

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067832.D
 Acq On : 01 Dec 2020 12:49
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:05 PM

Quant Time: Dec 02 04:07:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	232642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	347861	139.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	278.56%#
35) Dibromofluoromethane	7.92	113	319911	142.87	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	285.74%#
50) Toluene-d8	10.34	98	1148691	142.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	285.02%#
62) 4-Bromofluorobenzene	12.64	95	398751	143.09	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	286.18%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	298872	147.619	ug/l	98
3) Chloromethane	2.21	50	172255	147.423	ug/l	98
4) Vinyl Chloride	2.35	62	215297	146.305	ug/l	100
5) Bromomethane	2.75	94	188350	143.376	ug/l	90
6) Chloroethane	2.91	64	144360	150.671	ug/l	97
7) Trichlorofluoromethane	3.27	101	639167	141.942	ug/l	95
8) Diethyl Ether	3.70	74	127513	145.286	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	294656	143.499	ug/l	99
10) Methyl Iodide	4.30	142	371172	170.539	ug/l	97
11) Tert butyl alcohol	5.22	59	83094	429.838	ug/l	100
12) 1,1-Dichloroethene	4.07	96	280114	145.304	ug/l	99
13) Acrolein	3.93	56	78079	901.412	ug/l	96
14) Allyl chloride	4.71	41	281474	157.831	ug/l	98
15) Acrylonitrile	5.43	53	223990	736.022	ug/l	99
16) Acetone	4.16	43	220744	723.024	ug/l	95
17) Carbon Disulfide	4.41	76	782198	145.327	ug/l	98
18) Methyl Acetate	4.71	43	88077	140.301	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	639014	154.801	ug/l	97
20) Methylene Chloride	4.96	84	285296	121.708	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	313797	143.047	ug/l	98
22) Diisopropyl ether	6.37	45	528444	147.327	ug/l	97
23) Vinyl Acetate	6.30	43	1601013	802.335	ug/l	97
24) 1,1-Dichloroethane	6.27	63	450632	143.319	ug/l	98
25) 2-Butanone	7.21	43	234849	723.496	ug/l	97
26) 2,2-Dichloropropane	7.21	77	531659	141.797	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	349684	145.739	ug/l	100
28) Bromochloromethane	7.55	49	143702	143.948	ug/l	96
29) Tetrahydrofuran	7.56	42	135923	799.927	ug/l	98
30) Chloroform	7.71	83	586720	139.631	ug/l	95
31) Cyclohexane	7.99	56	351247	133.489	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	634821	143.119	ug/l	99
36) 1,1-Dichloropropene	8.11	75	422198	145.740	ug/l	98
37) Ethyl Acetate	7.29	43	109323	161.613	ug/l	97
38) Carbon Tetrachloride	8.10	117	620432	141.550	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	510653	148.749	ug/l	95
40) Benzene	8.36	78	1110567	140.103	ug/l	99
41) Methacrylonitrile	7.53	41	52227m	137.580	ug/l	
42) 1,2-Dichloroethane	8.43	62	402306	142.402	ug/l	99
43) Isopropyl Acetate	8.46	43	232739	151.499	ug/l	97
44) Trichloroethene	9.11	130	382861	140.481	ug/l	95
45) 1,2-Dichloropropane	9.39	63	227293	139.707	ug/l	98
46) Dibromomethane	9.48	93	161523	142.794	ug/l	97
47) Bromodichloromethane	9.66	83	457369	141.829	ug/l	99
48) Methyl methacrylate	9.46	41	115043	147.476	ug/l	97
49) 1,4-Dioxane	9.46	88	37272	2883.651	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	524641	721.567	ug/l	99
52) Toluene	10.41	92	780791	140.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	406874	146.181	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	445298	147.081	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	208182	134.483	ug/l	92
56) Ethyl methacrylate	10.67	69	234283	148.750	ug/l	98
57) 1,3-Dichloropropane	10.95	76	335635	136.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	565742	789.382	ug/l	100
59) 2-Hexanone	10.98	43	375412	732.431	ug/l	99
60) Dibromochloromethane	11.14	129	333944	143.108	ug/l	97
61) 1,2-Dibromoethane	11.25	107	208511	136.971	ug/l	99
64) Tetrachloroethene	10.88	164	339083	139.226	ug/l	96
65) Chlorobenzene	11.67	112	862975	140.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	356576	141.903	ug/l	95
67) Ethyl Benzene	11.75	91	1532781	146.048	ug/l	100
68) m/p-Xylenes	11.86	106	1193098	288.306	ug/l	100
69) o-Xylene	12.18	106	552141	150.289	ug/l	99
70) Styrene	12.20	104	934385	146.264	ug/l	100
71) Bromoform	12.36	173	193886	145.765	ug/l	96
73) Isopropylbenzene	12.48	105	1550233	150.999	ug/l	98
74) N-amyl acetate	12.29	43	199156	156.826	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	194856	143.760	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	148083m	133.382	ug/l	
77) Bromobenzene	12.76	156	371941	145.726	ug/l	97
78) n-propylbenzene	12.83	91	1684092	148.002	ug/l	100
79) 2-Chlorotoluene	12.91	91	979523	146.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1319428	148.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	67846	149.282	ug/l	95
82) 4-Chlorotoluene	13.01	91	1031519	144.455	ug/l	99
83) tert-Butylbenzene	13.23	119	1136228	150.215	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1305442	147.692	ug/l	99
85) sec-Butylbenzene	13.40	105	1505196	149.094	ug/l	99
86) p-Isopropyltoluene	13.52	119	1448805	146.426	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	692941	140.743	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	691369	140.363	ug/l	98
89) n-Butylbenzene	13.84	91	1216055	147.935	ug/l	98
90) Hexachloroethane	14.11	117	273471	149.705	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	604094	141.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40452	143.002	ug/l	96

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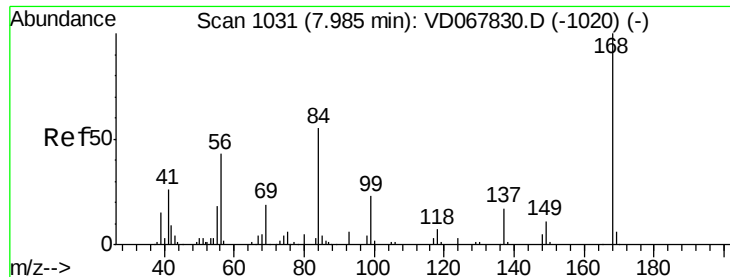
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	452189	151.389	ug/l	99
94) Hexachlorobutadiene	15.27	225	290438	149.015	ug/l	98
95) Naphthalene	15.40	128	771781	158.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	388113	150.462	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 232642

Ion Ratio Lower Upper

168 100

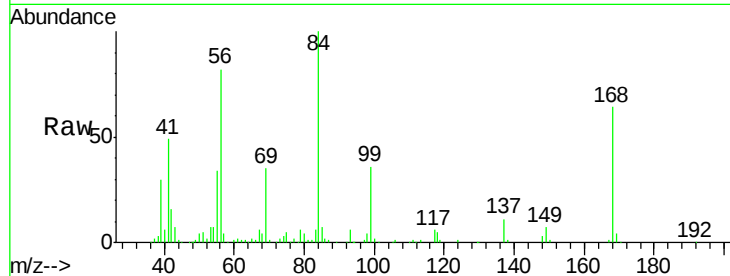
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Manual Integrations

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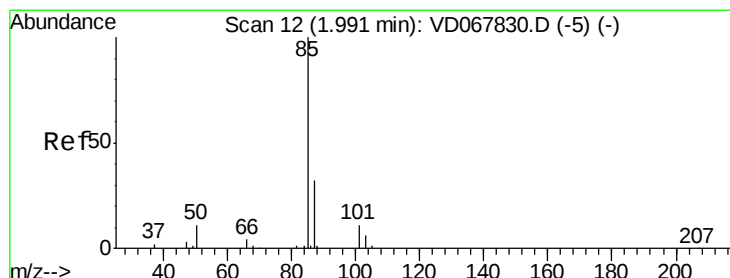
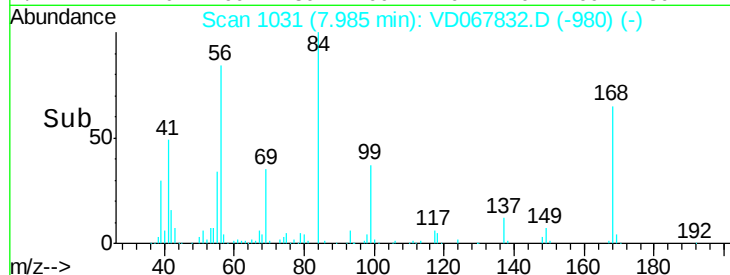
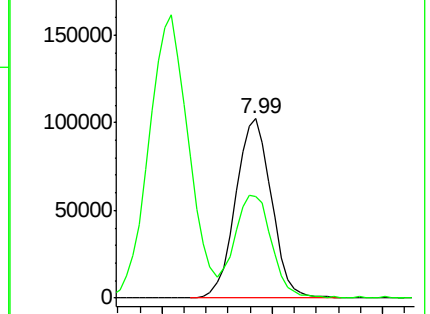
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 147.619 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067832.D

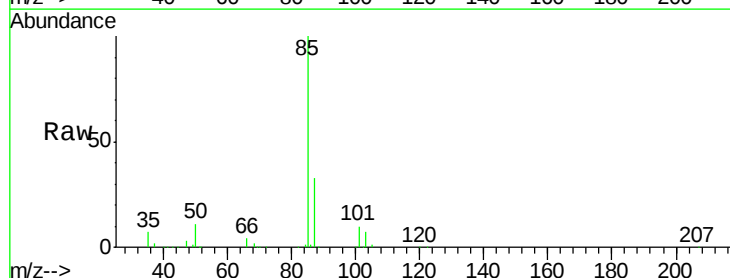
Acq: 01 Dec 2020 12:49

Tgt Ion: 85 Resp: 298872

Ion Ratio Lower Upper

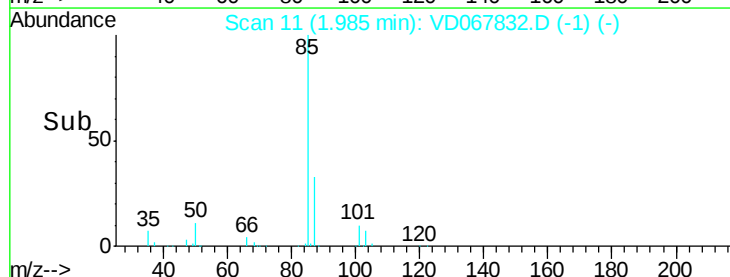
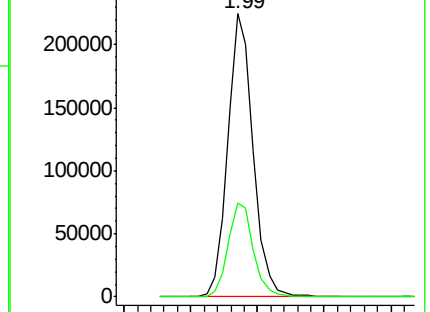
85 100

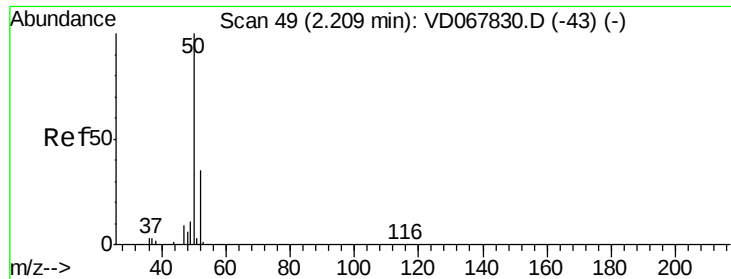
87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 147.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 172255

Ion Ratio Lower Upper

50 100

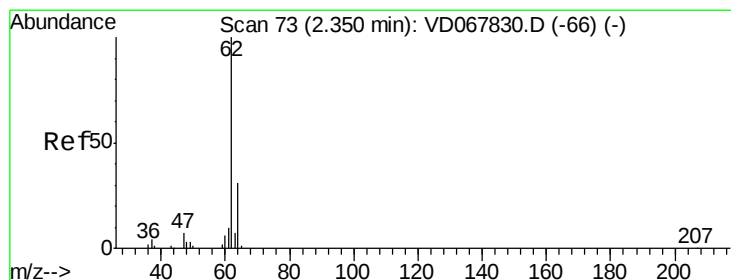
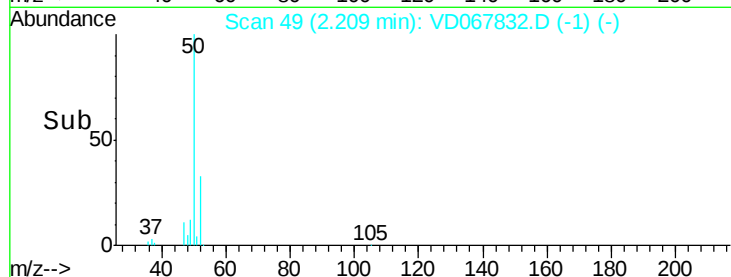
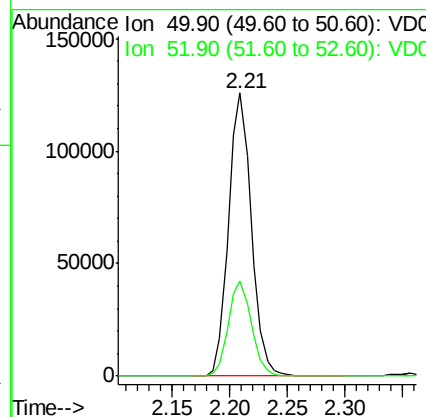
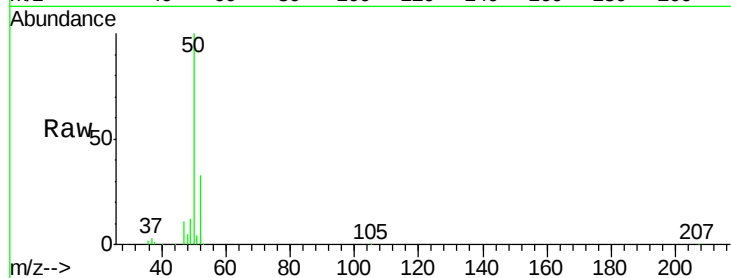
52 33.4 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 146.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067832.D

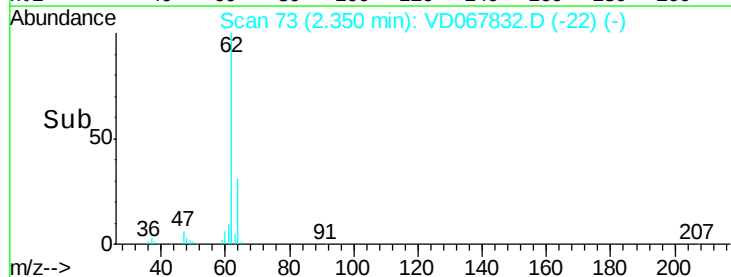
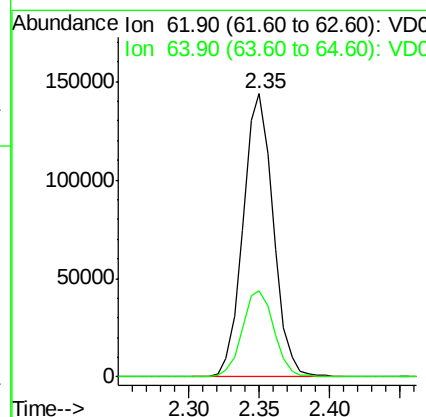
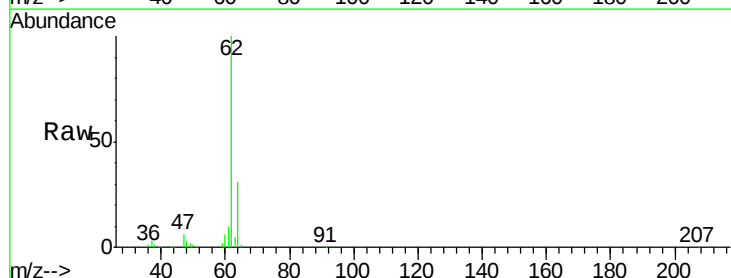
Acq: 01 Dec 2020 12:49

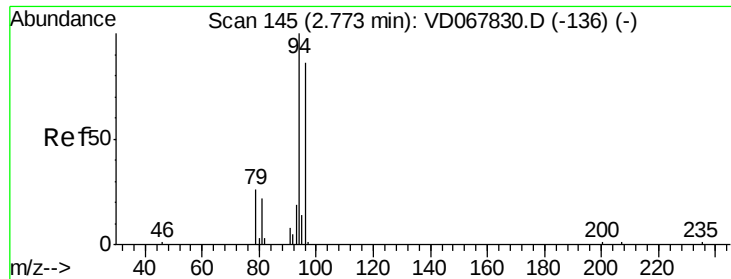
Tgt Ion: 62 Resp: 215297

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 143.376 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 188350

Ion Ratio Lower Upper

94 100

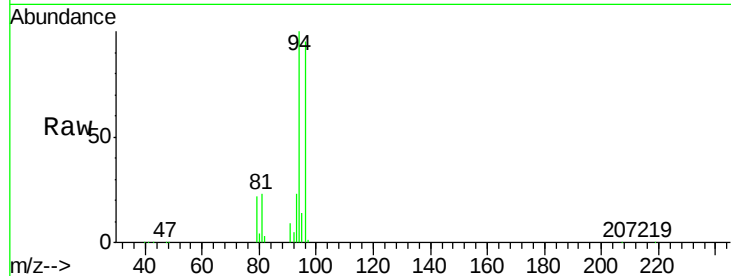
96 95.4 68.7 103.1

Manual Integrations

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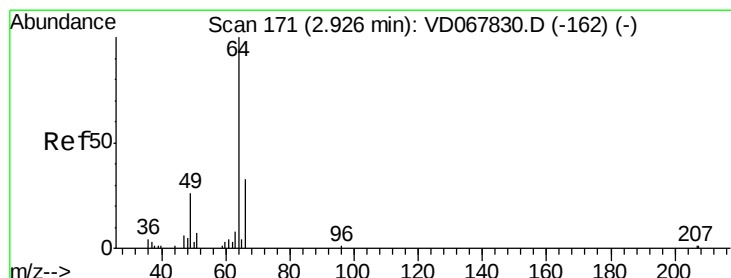
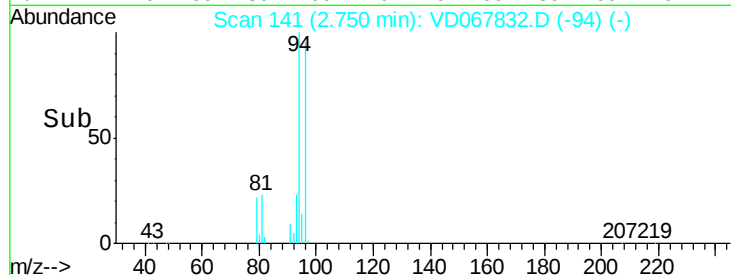
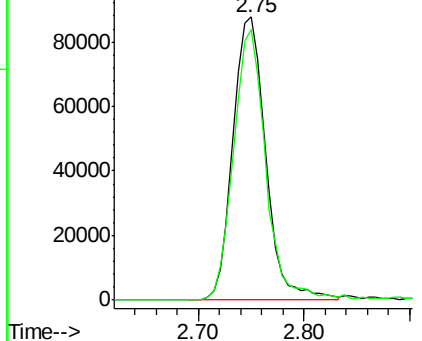
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 150.671 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067832.D

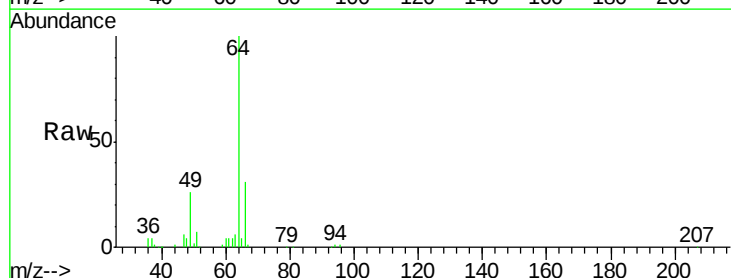
Acq: 01 Dec 2020 12:49

Tgt Ion: 64 Resp: 144360

Ion Ratio Lower Upper

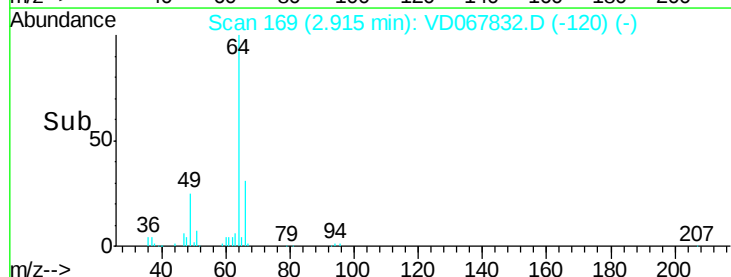
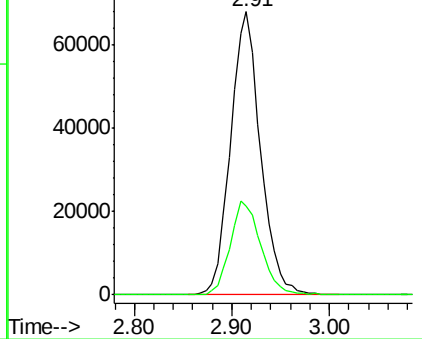
64 100

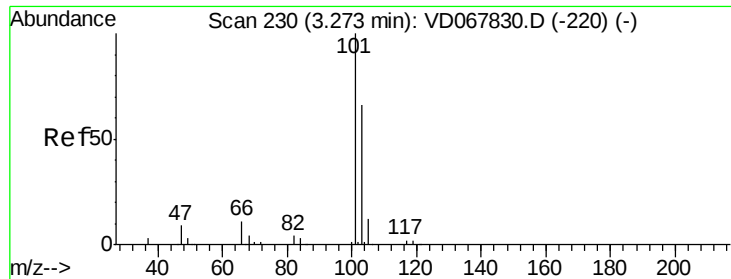
66 31.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

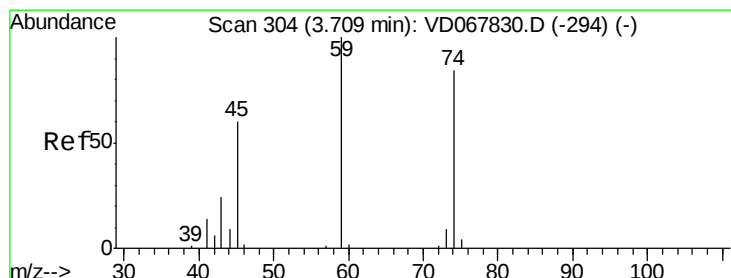
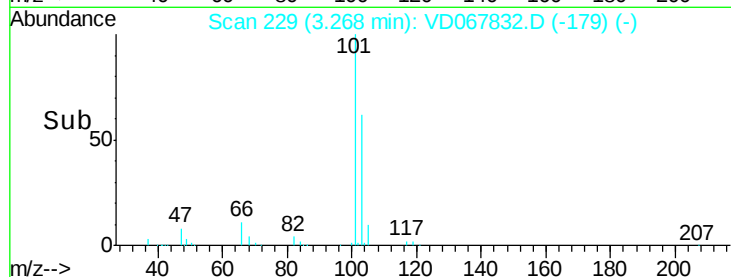
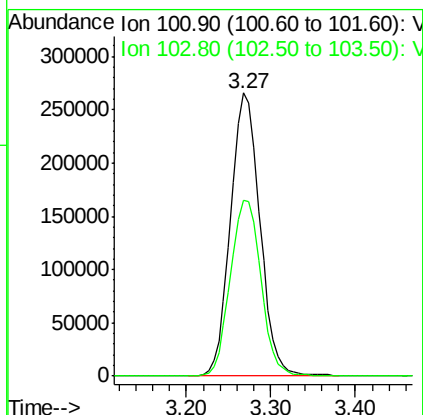
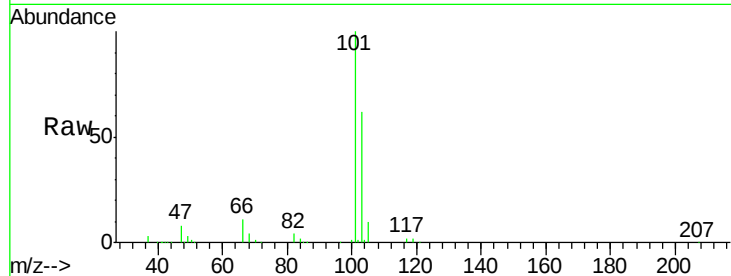
Trichlorofluoromethane
 Concen: 141.942 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	53.0	79.6

Manual Integrations
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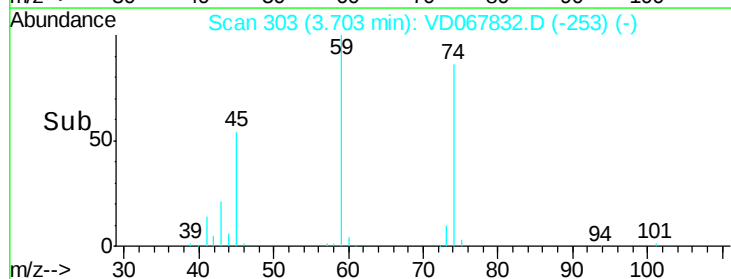
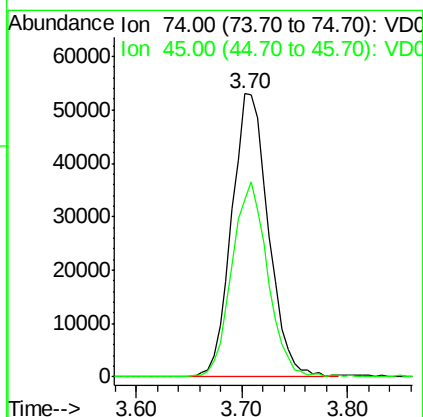
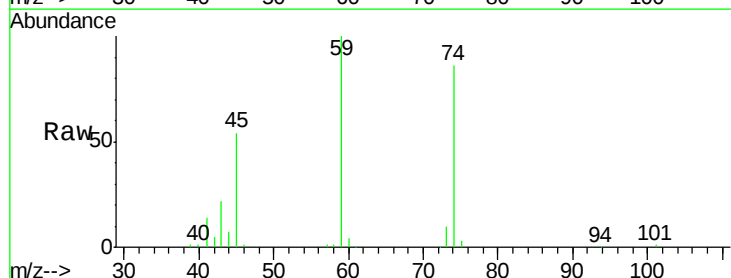
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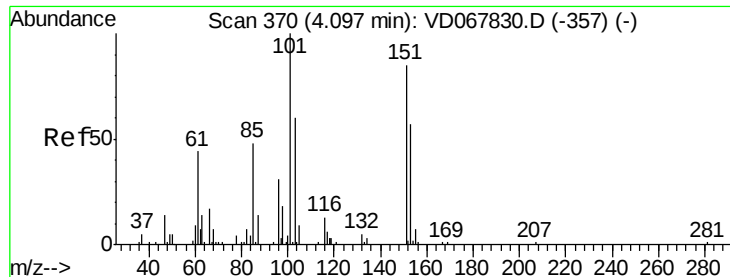


#8

Diethyl Ether
 Concen: 145.286 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	67.0	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.499 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

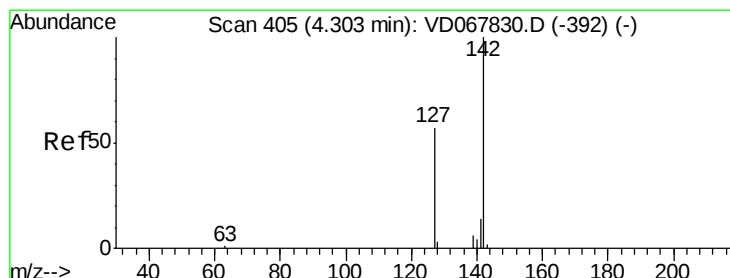
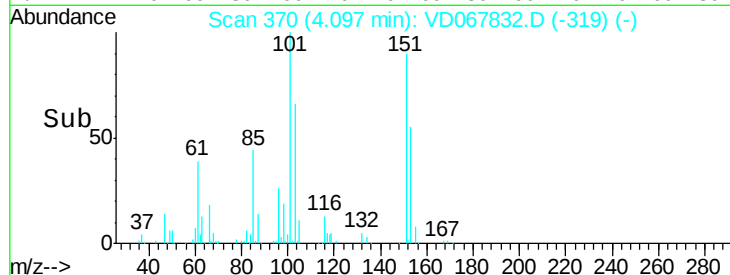
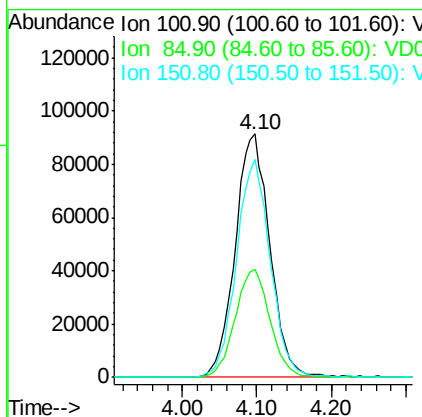
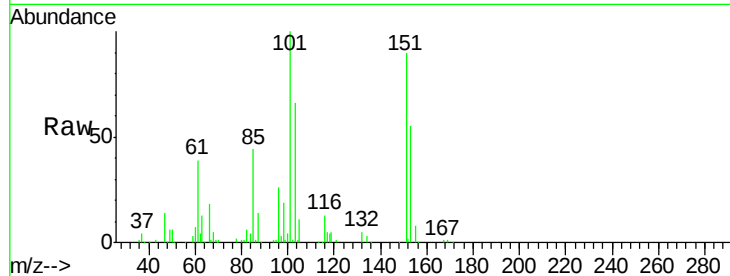
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	294656
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.2	54.4
151	87.7	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 170.539 ug/l

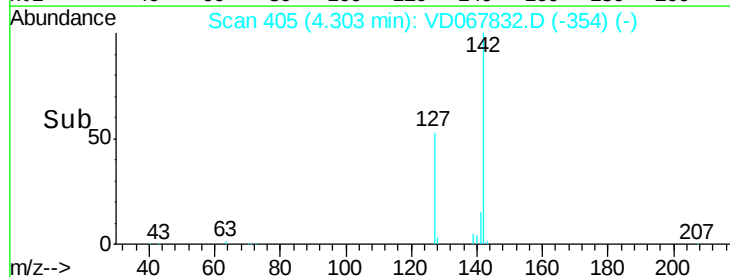
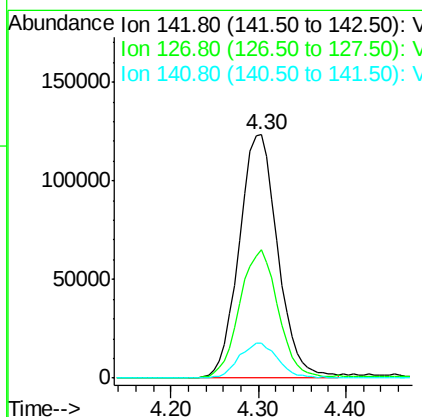
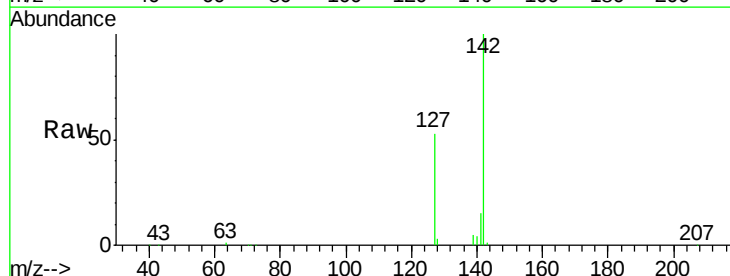
RT: 4.30 min Scan# 405

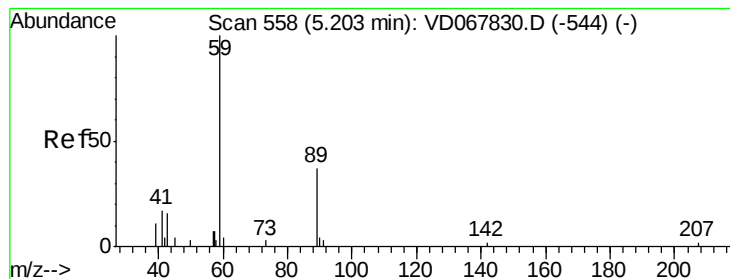
Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	142	Resp:	371172
Ion Ratio	Lower	Upper	
142	100		
127	52.7	43.9	65.9
141	14.6	12.2	18.2





#11

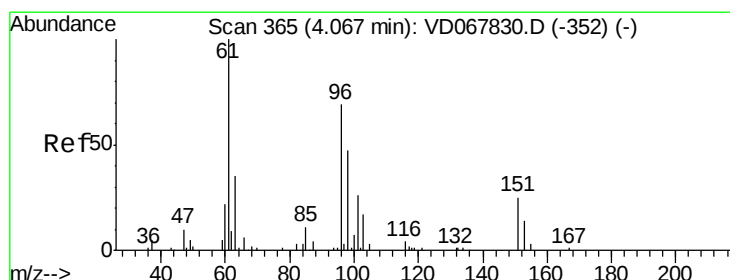
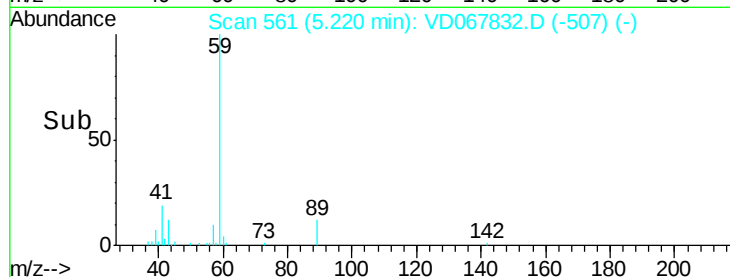
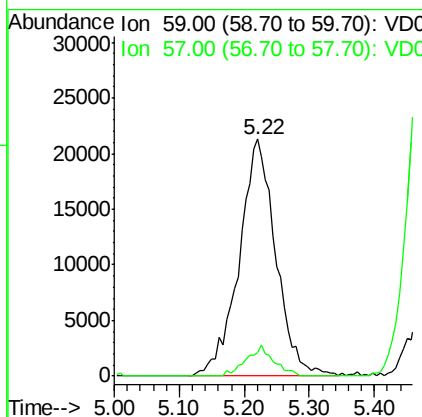
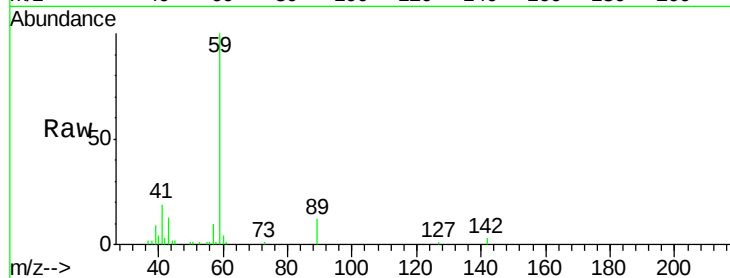
Tert butyl alcohol
Concen: 429.838 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

Manual Integrations
APPROVED

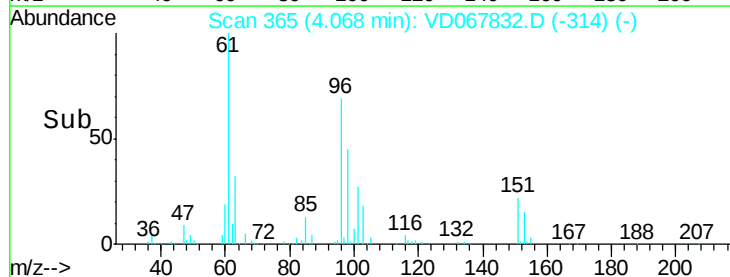
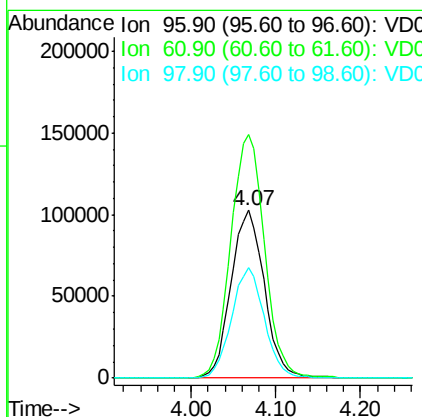
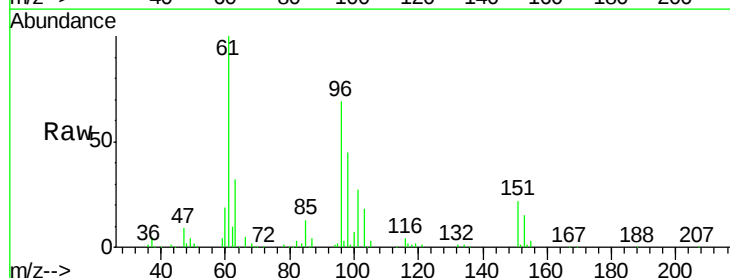
MMDadoda
12/2/2020 12:24:05 PM

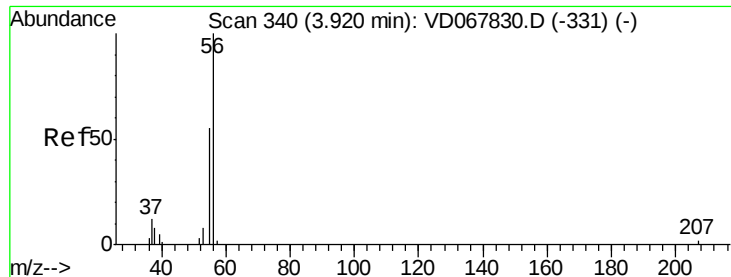


#12

1,1-Dichloroethene
Concen: 145.304 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	116.1	174.1
98	65.5	54.6	82.0





#13

Acrolein

Concen: 901.412 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 78079

Ion Ratio Lower Upper

56 100

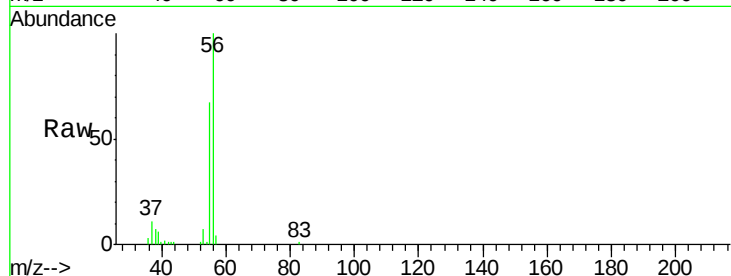
55 67.5 56.5 84.7

Manual Integrations

APPROVED

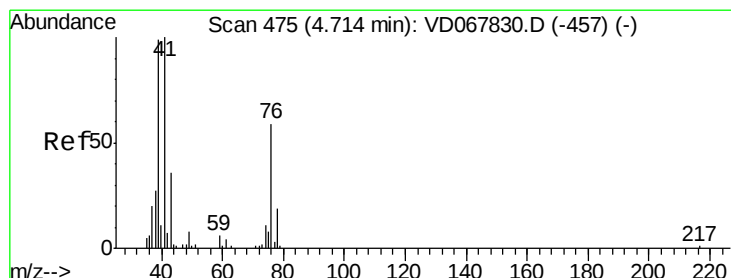
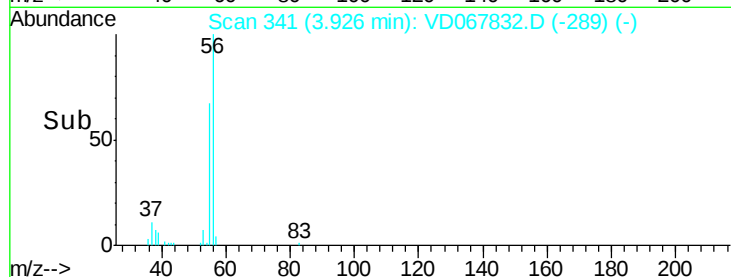
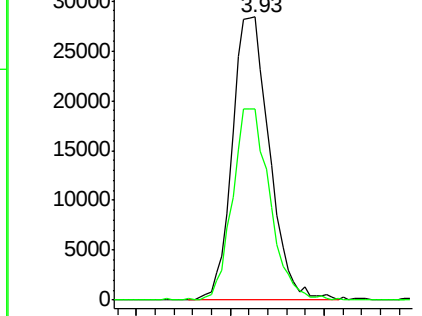
MMDadoda

12/2/2020 12:24:05 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 157.831 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

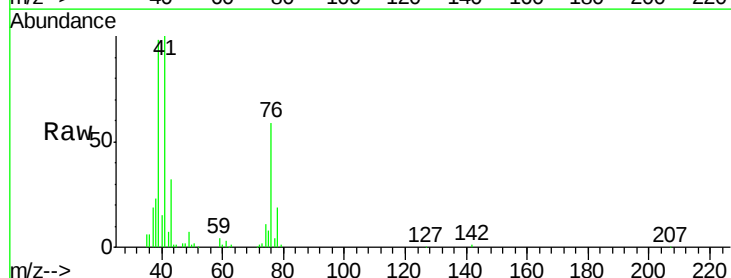
Tgt Ion: 41 Resp: 281474

Ion Ratio Lower Upper

41 100

39 98.3 79.0 118.6

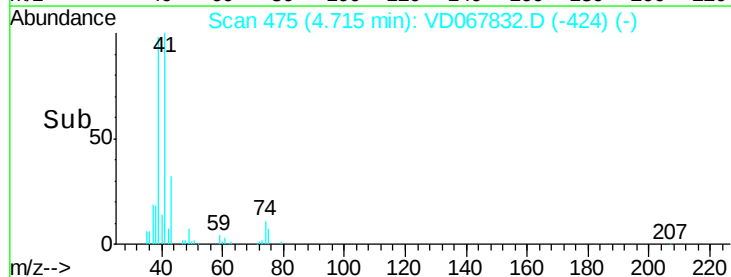
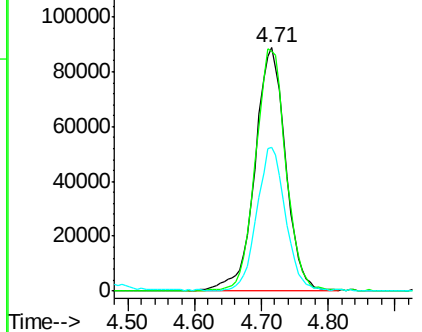
76 55.0 46.6 70.0

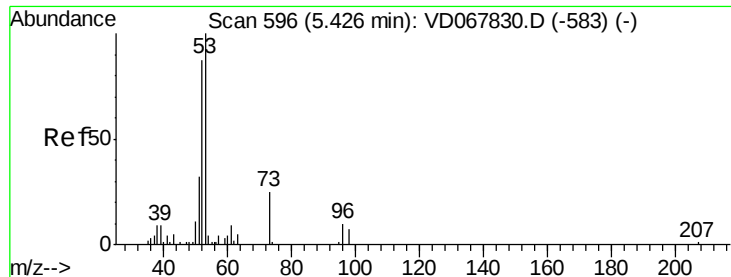


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 736.022 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

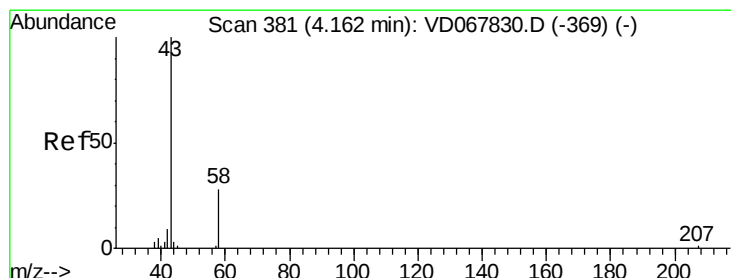
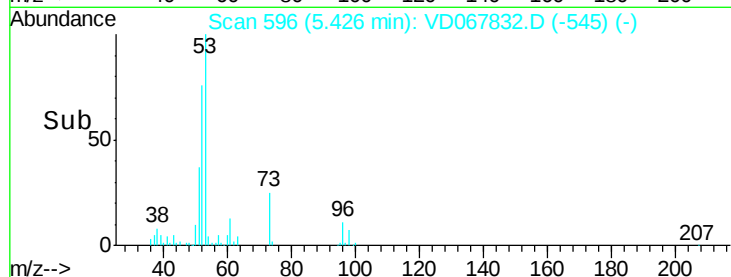
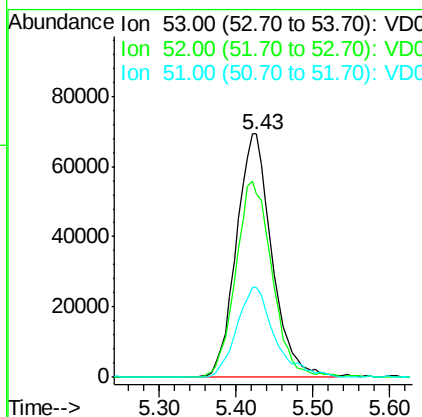
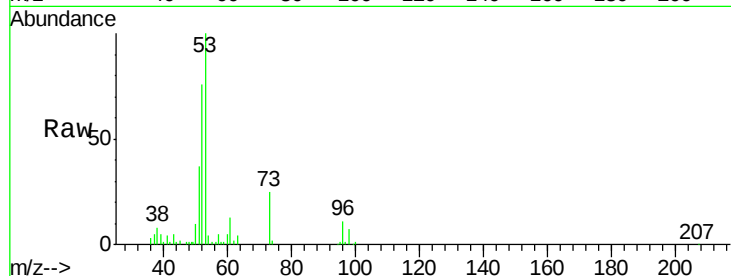
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	223990
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	39.7	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 723.024 ug/l

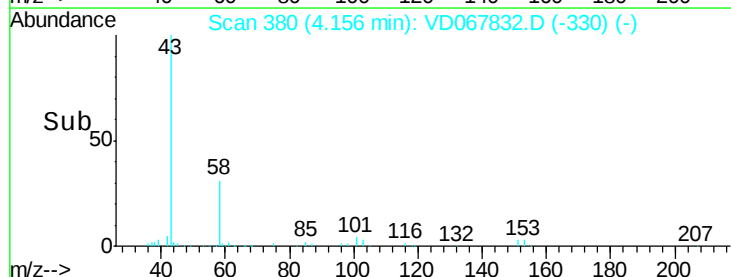
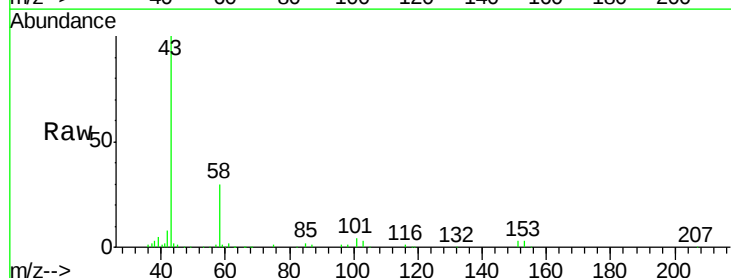
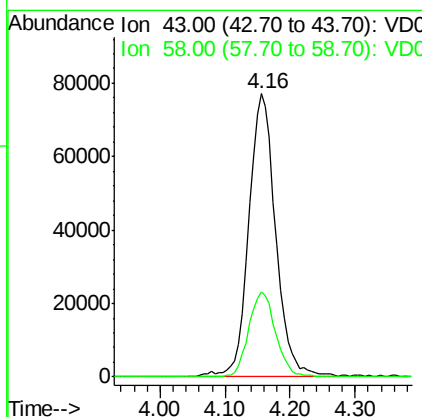
RT: 4.16 min Scan# 380

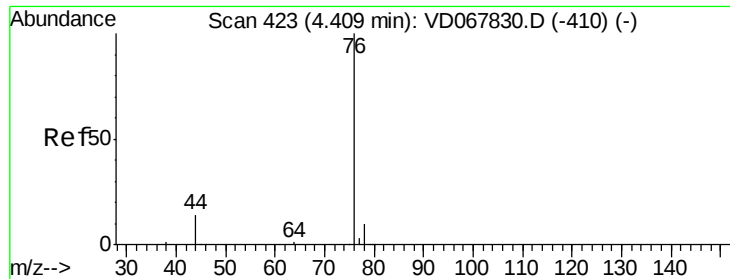
Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	43	Resp:	220744
Ion Ratio	Lower	Upper	
43	100		
58	30.2	21.9	32.9





#17

Carbon Disulfide

Concen: 145.327 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 782198

Ion Ratio Lower Upper

76 100

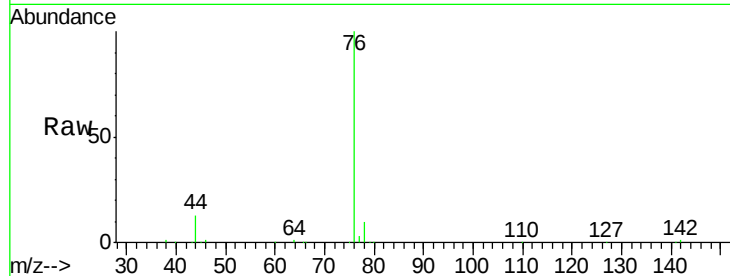
78 10.3 7.8 11.6

Manual Integrations

APPROVED

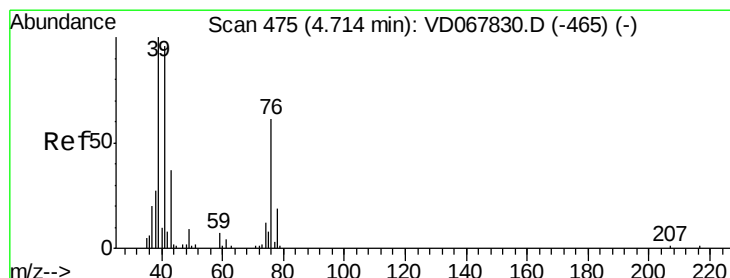
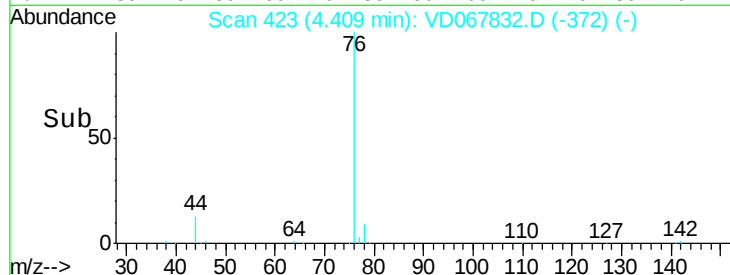
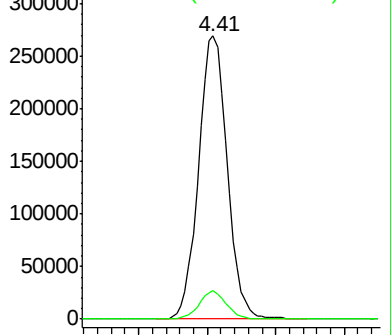
MMDadoda

12/2/2020 12:24:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 140.301 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067832.D

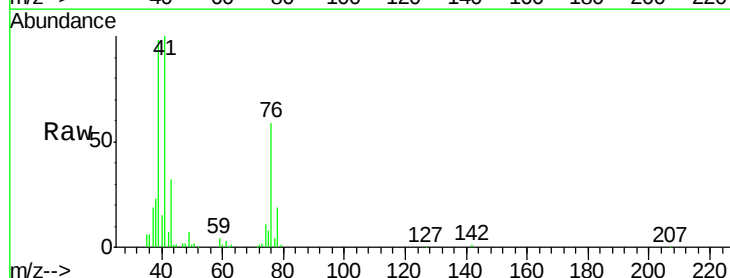
Acq: 01 Dec 2020 12:49

Tgt Ion: 43 Resp: 88077

Ion Ratio Lower Upper

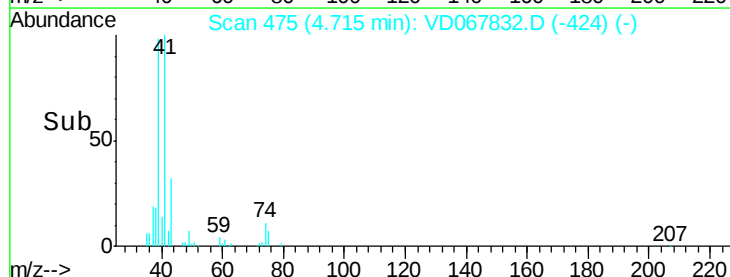
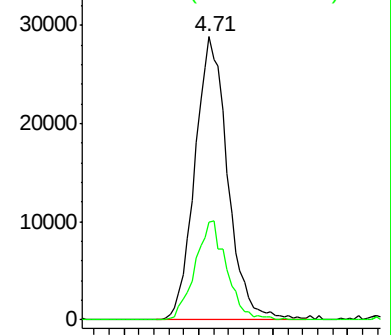
43 100

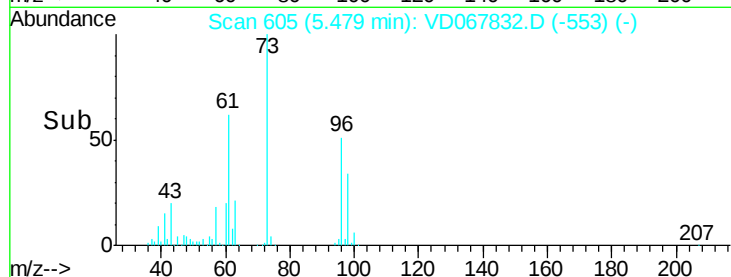
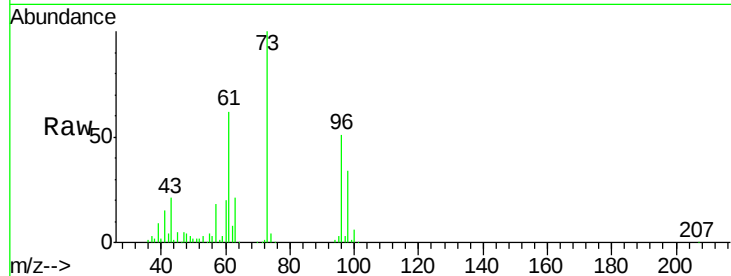
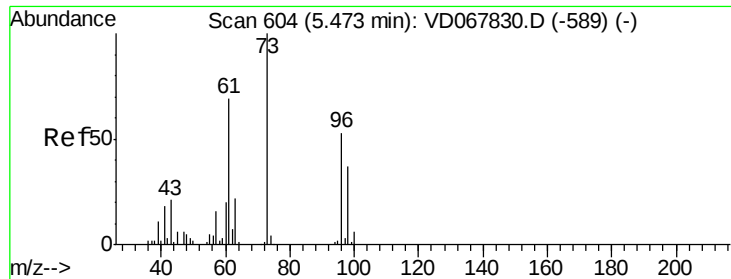
74 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





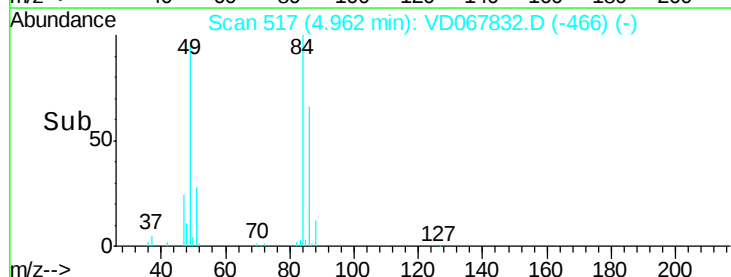
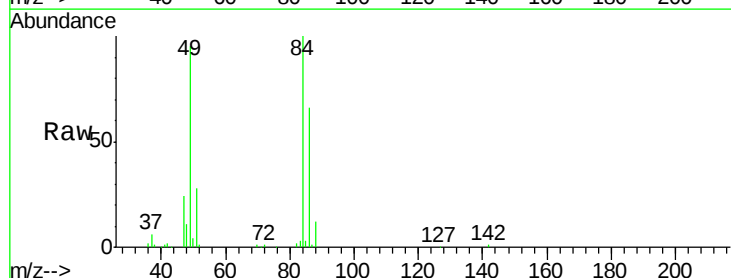
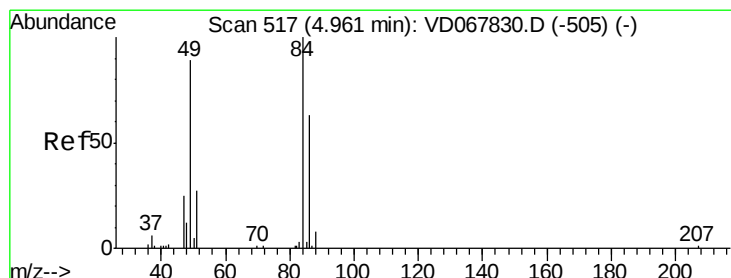
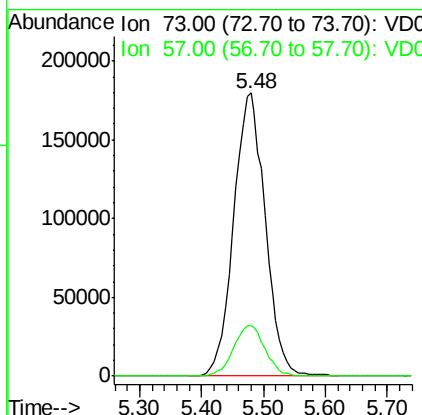
#19
Methyl tert-butyl Ether
Concen: 154.801 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tot Ion: 73 Resp: 639014
Ion Ratio Lower Upper
73 100
57 18.0 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

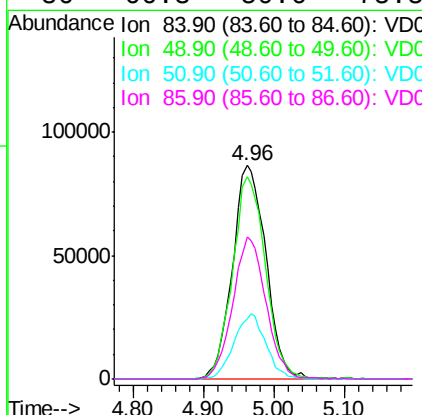
Manual Integrations
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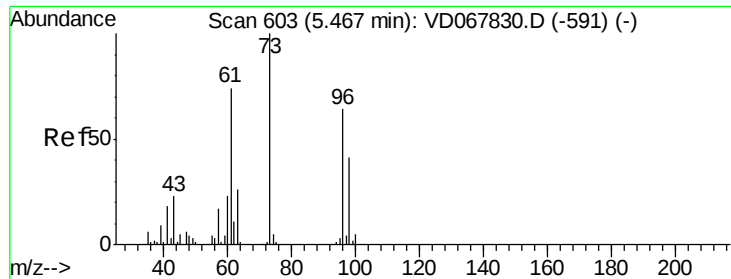
MMDadoda
12/2/2020 12:24:05 PM



#20
Methylene Chloride
Concen: 121.708 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 84 Resp: 285296
Ion Ratio Lower Upper
84 100
49 94.6 71.4 107.0
51 28.0 21.8 32.8
86 66.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 143.047 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

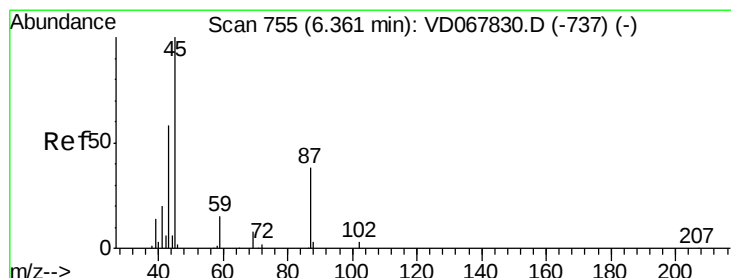
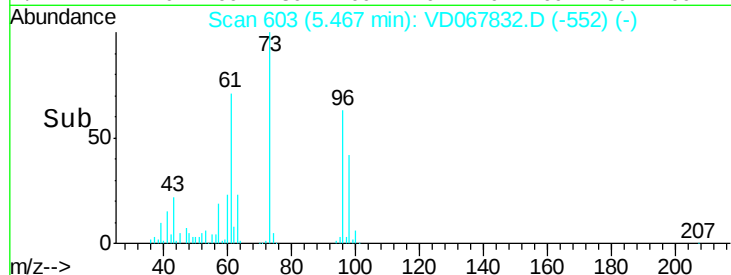
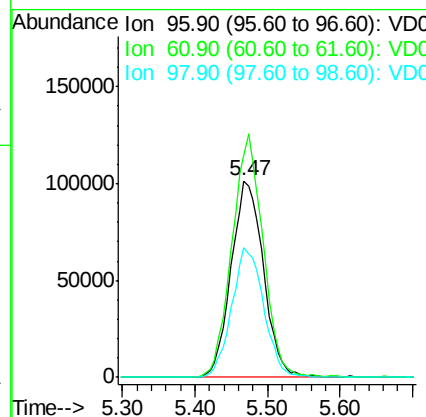
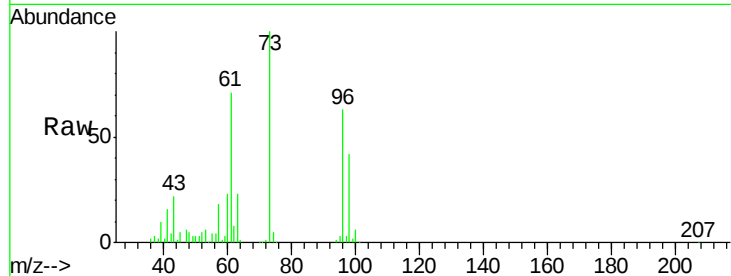
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	313797
Ion	Ratio	Lower	Upper
96	100		
61	112.7	93.1	139.7
98	65.7	52.2	78.2

Manual Integrations
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MMDadoda
12/2/2020 12:24:05 PM



#22

Diisopropyl ether

Concen: 147.327 ug/l

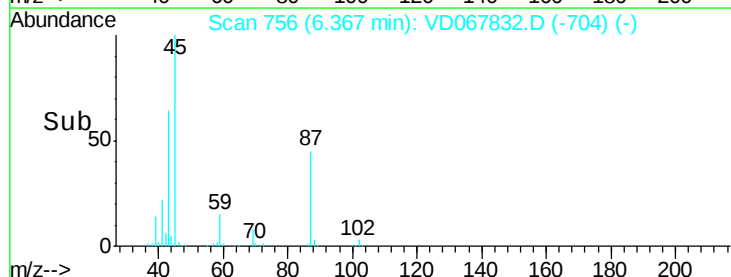
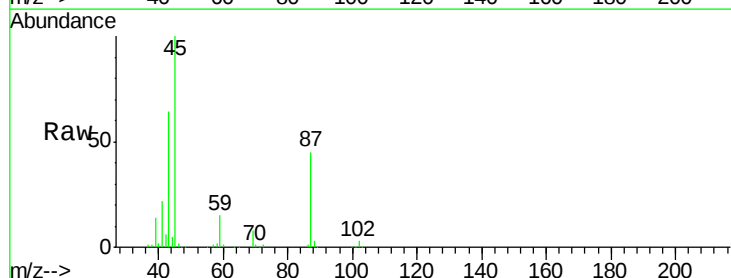
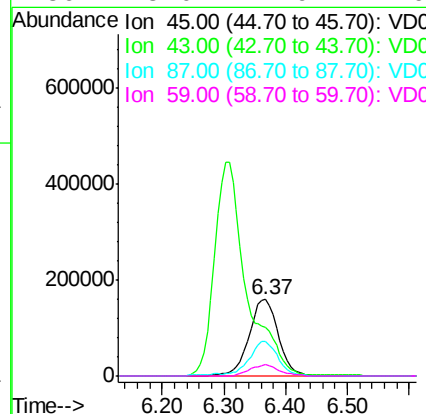
RT: 6.37 min Scan# 756

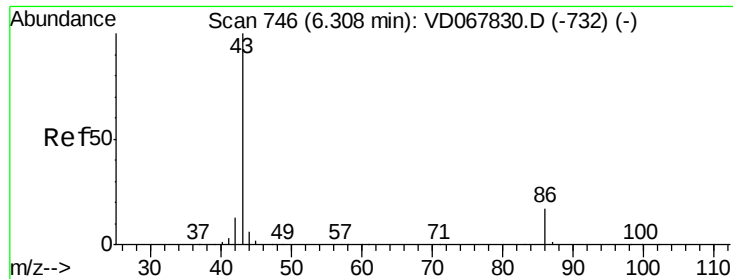
Delta R.T. 0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	45	Resp:	528444
Ion	Ratio	Lower	Upper
45	100		
43	62.8	49.8	74.6
87	44.3	32.1	48.1
59	15.0	11.9	17.9





#23

Vinyl Acetate

Concen: 802.335 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1601013

Ion Ratio Lower Upper

43 100

86 15.9

13.8

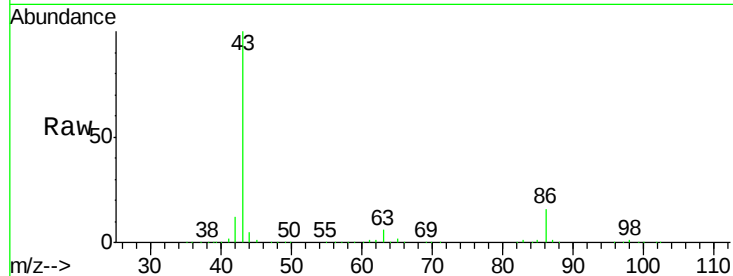
20.6

Manual Integrations

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MMDadoda

12/2/2020 12:24:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

400000

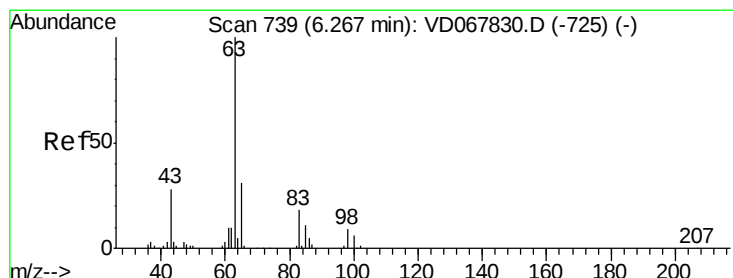
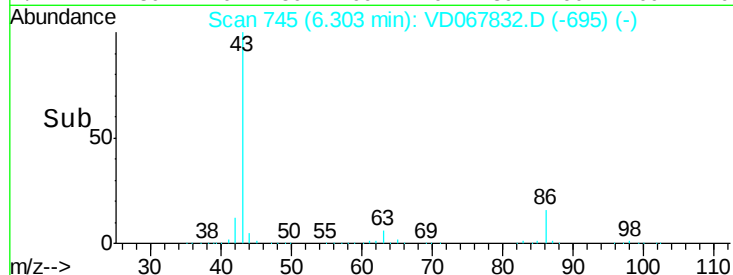
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 143.319 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion: 63 Resp: 450632

Ion Ratio Lower Upper

63 100

98 8.0

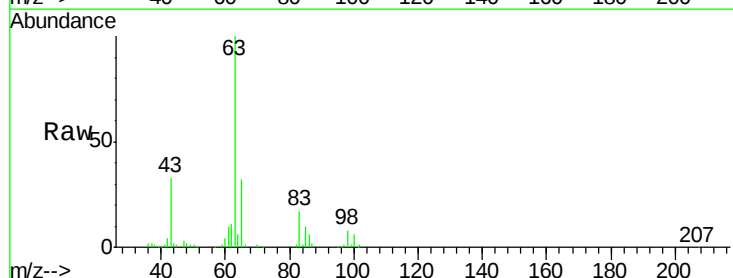
4.5

13.5

100 5.6

3.0

9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

200000

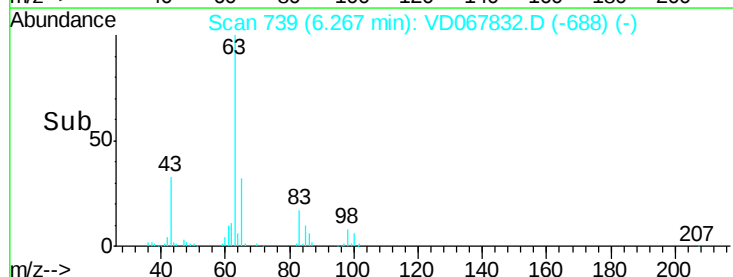
150000

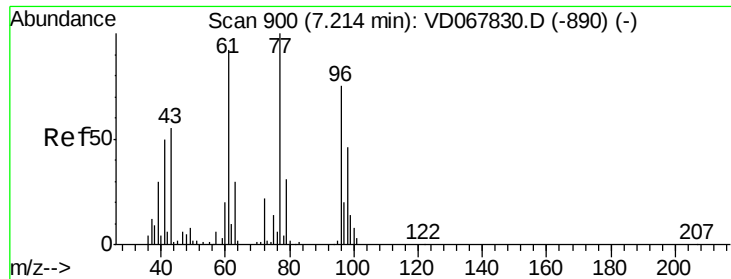
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





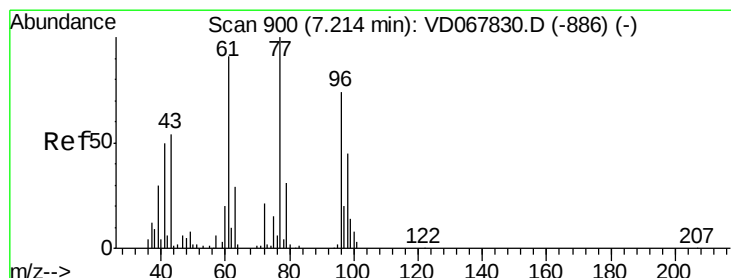
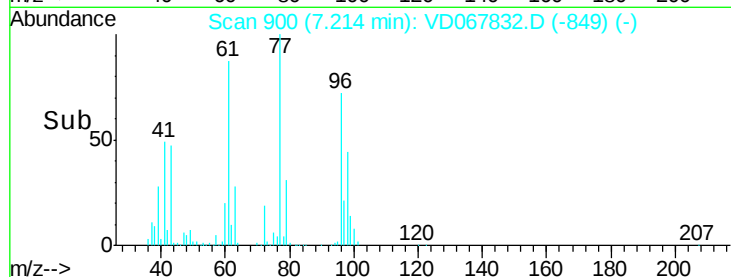
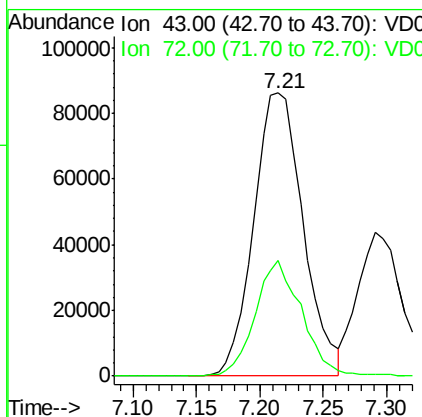
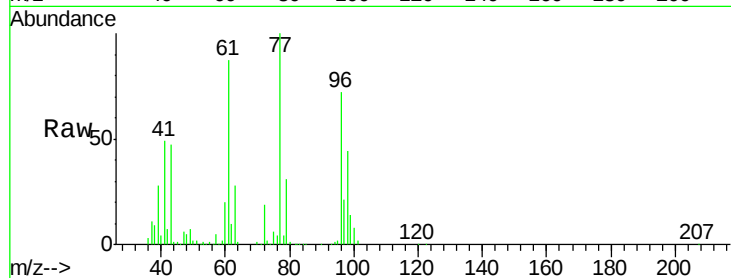
#25
2-Butanone
Concen: 723.496 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 234849
Ion Ratio Lower Upper
43 100
72 40.7 31.3 46.9

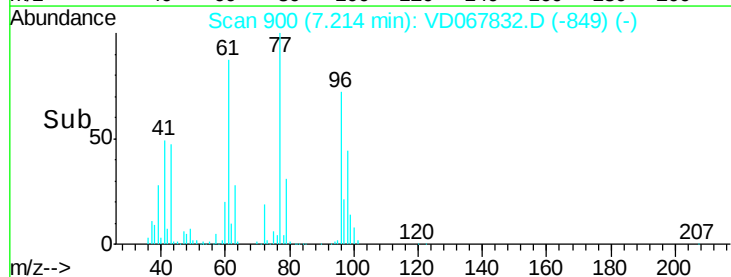
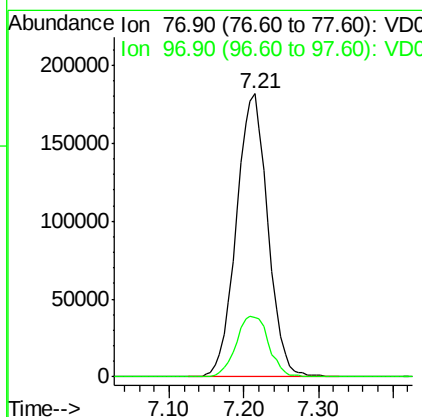
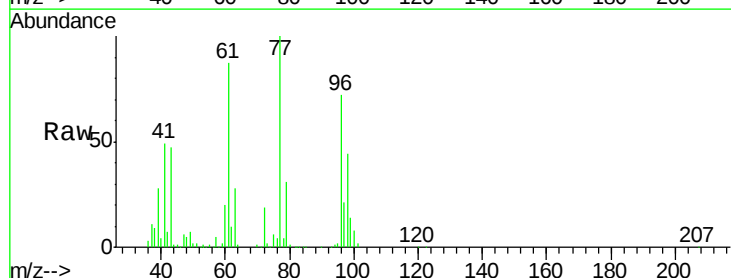
Manual Integrations
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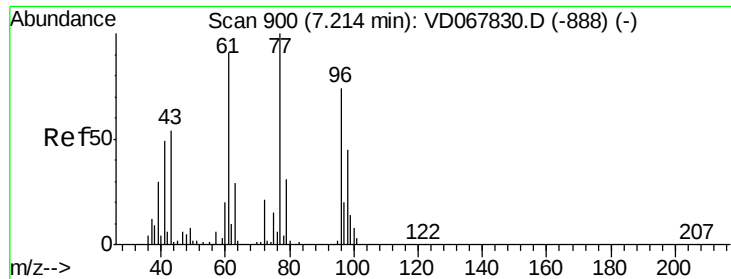
MMDadoda
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#26
2,2-Dichloropropane
Concen: 141.797 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 77 Resp: 531659
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.1





#27

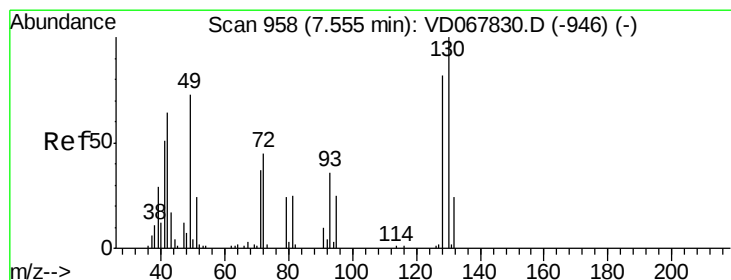
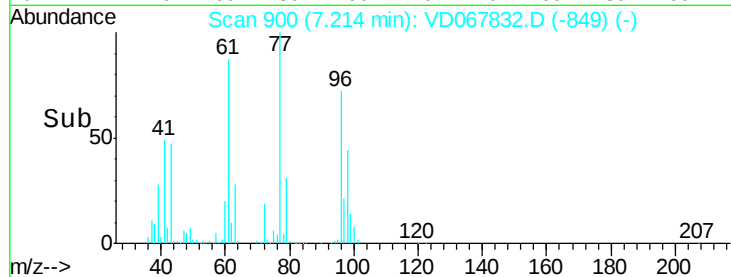
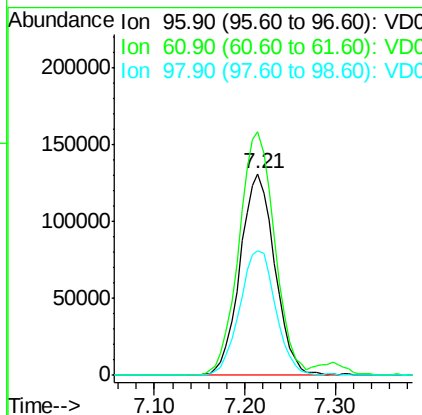
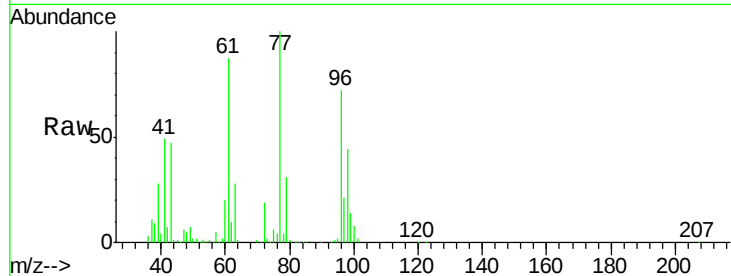
cis-1,2-Dichloroethene
Concen: 145.739 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	349684		
61	123.9	0.0	248.4	
98	63.8	0.0	127.4	

Manual Integrations
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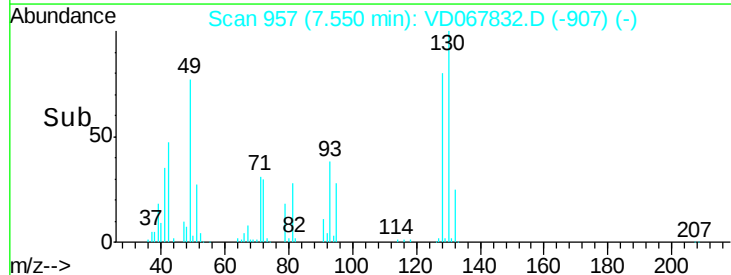
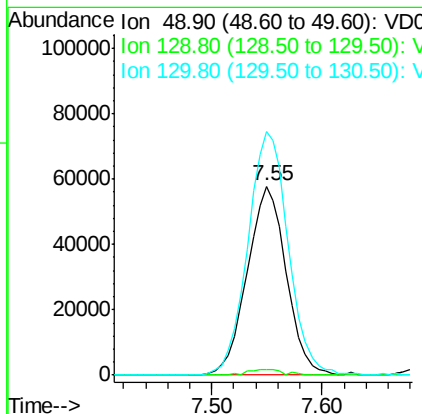
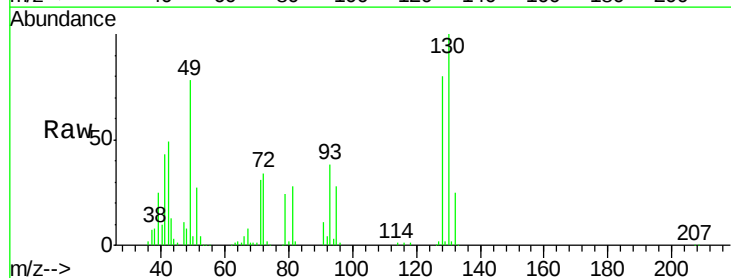
MMDadoda
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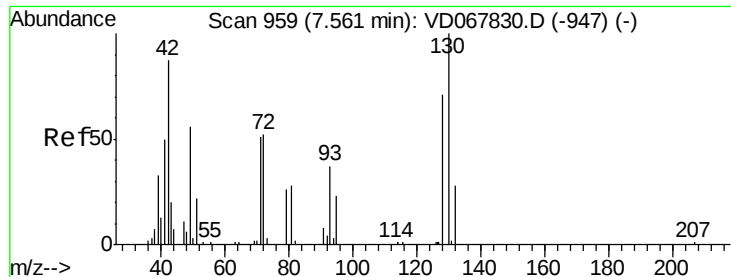


#28

Bromochloromethane
Concen: 143.948 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143702		
129	2.5	0.0	3.4	
130	133.2	110.2	165.2	





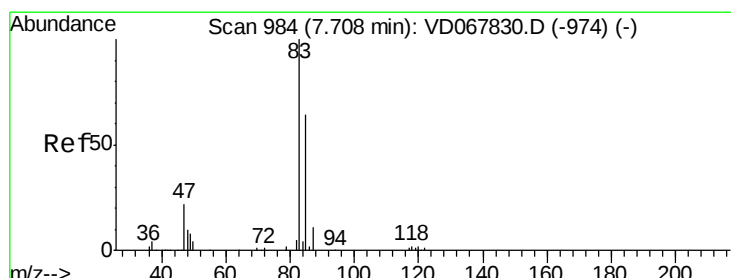
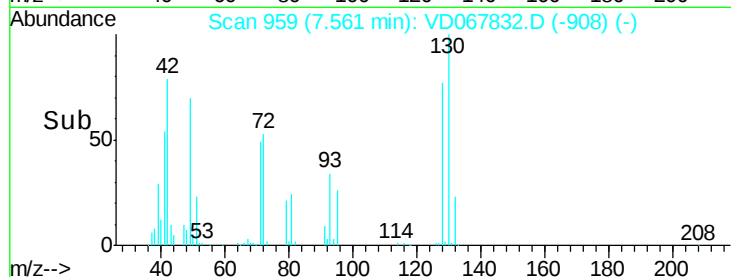
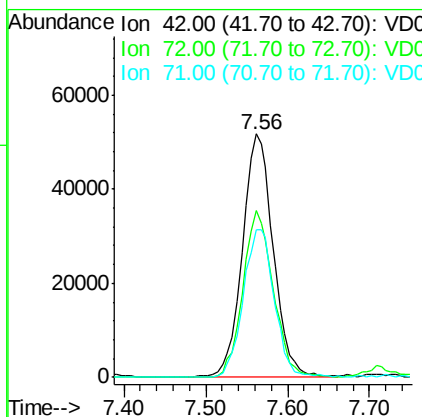
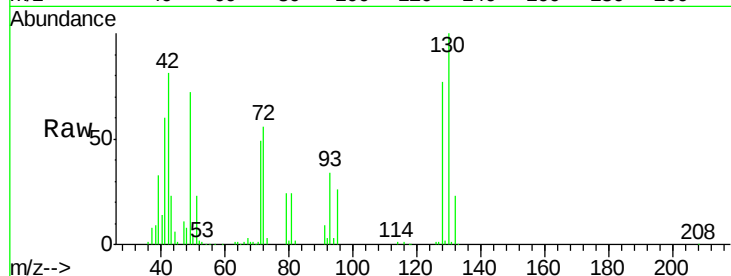
#29
Tetrahydrofuran
Concen: 799.927 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	67.4	51.9	77.9
71	61.0	48.2	72.4

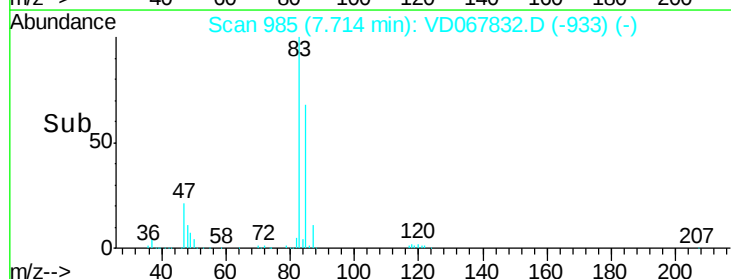
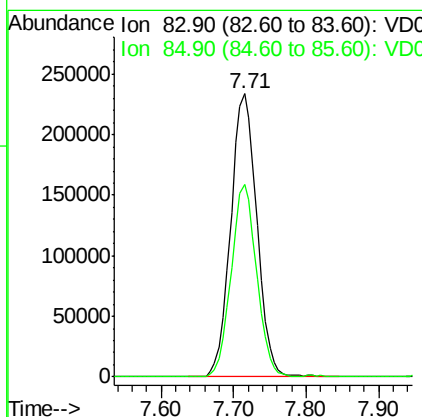
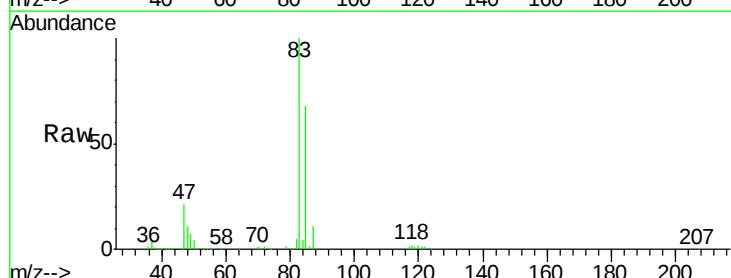
Manual Integrations
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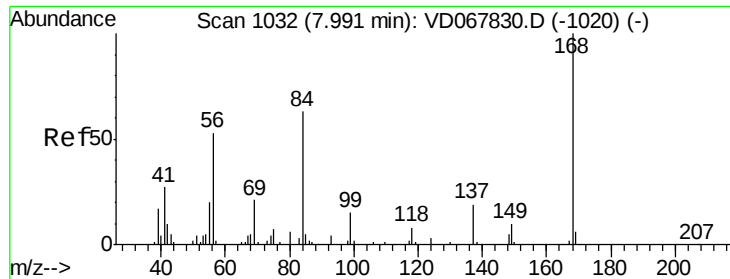
MMDadoda
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#30
Chloroform
Concen: 139.631 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.0	76.4





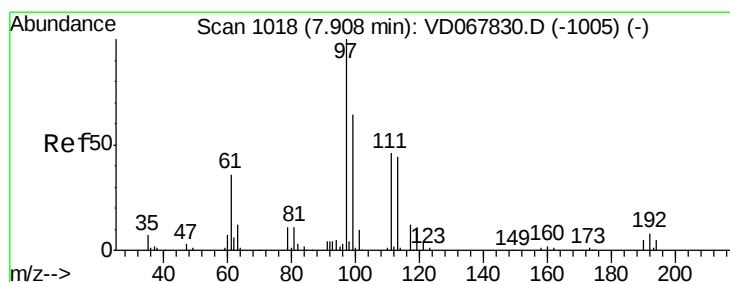
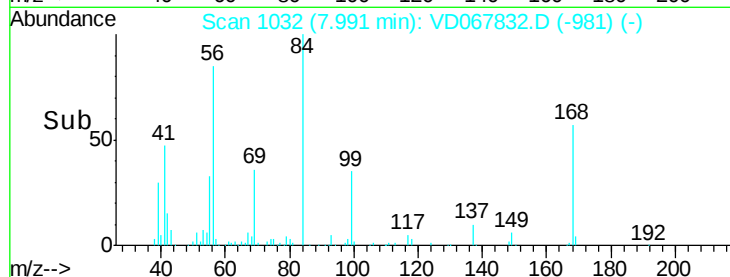
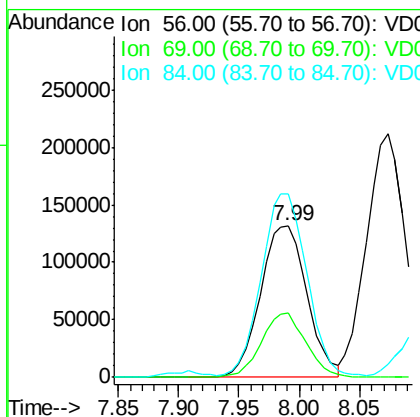
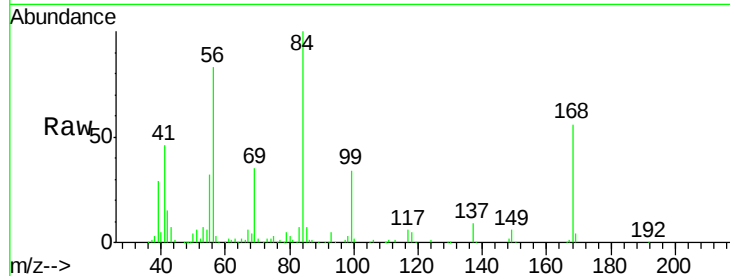
#31
Cyclohexane
Concen: 133.489 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.3	32.1	48.1
84	116.5	93.2	139.8

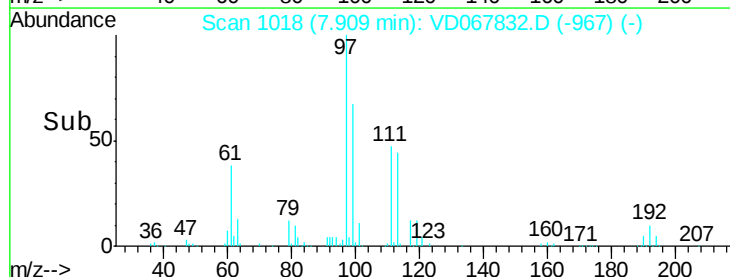
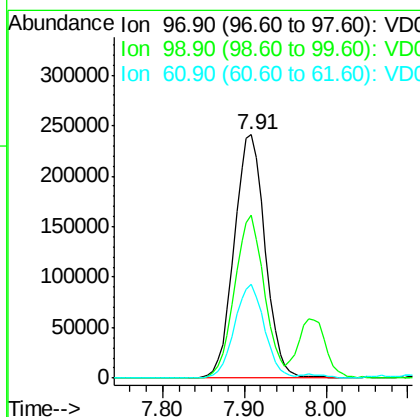
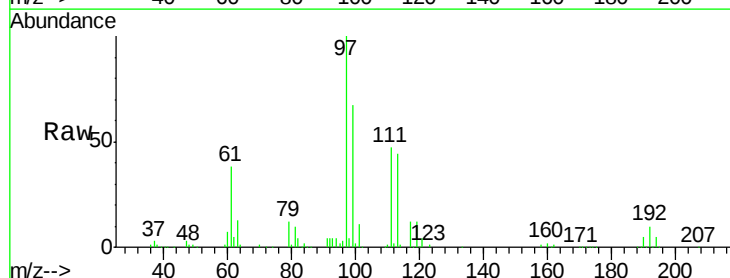
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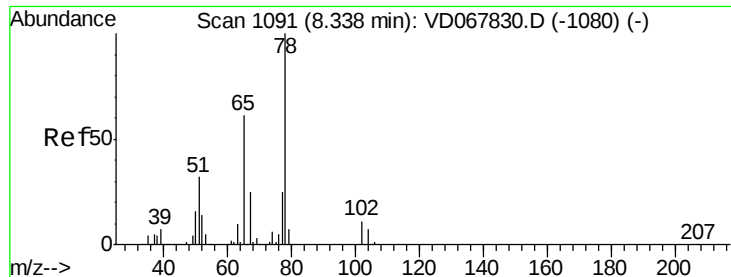
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 143.119 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	37.4	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 139.283 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 347861

Ion Ratio Lower Upper

65 100

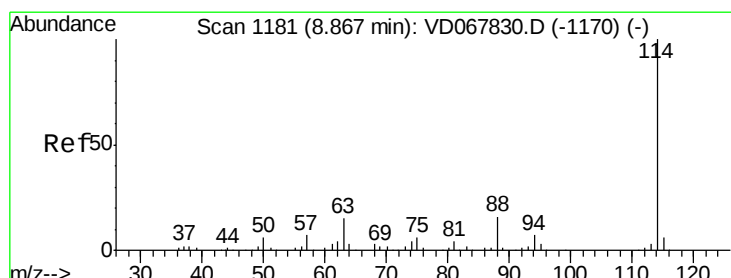
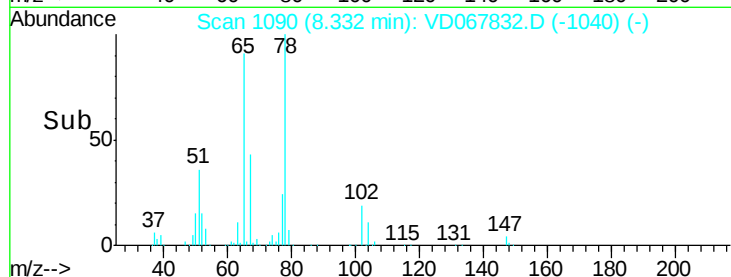
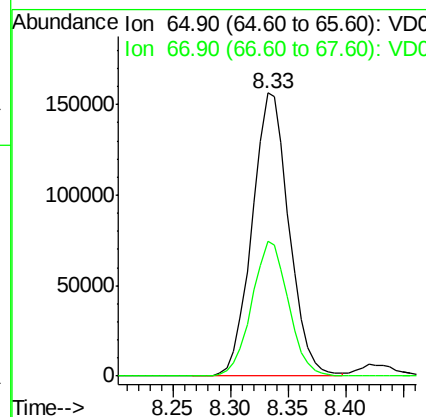
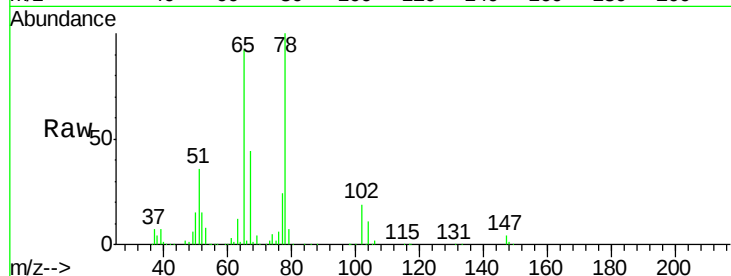
67 47.5 0.0 92.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

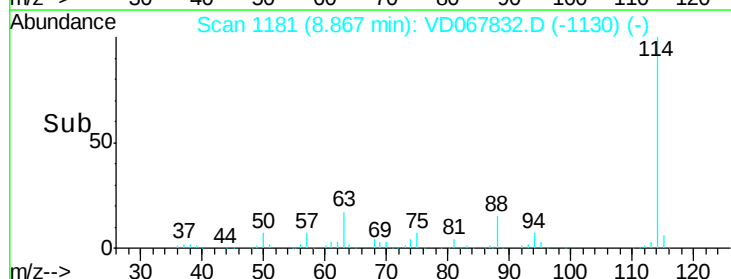
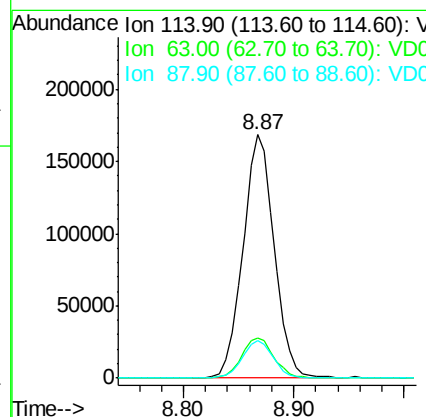
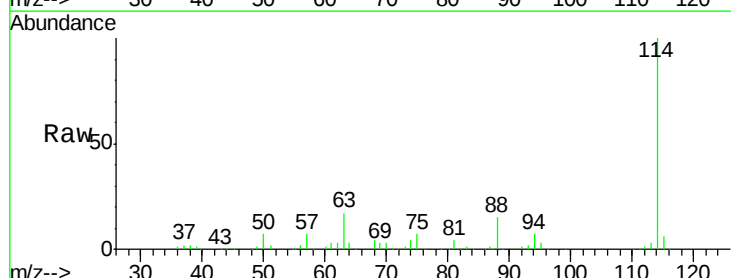
Tgt Ion: 114 Resp: 334636

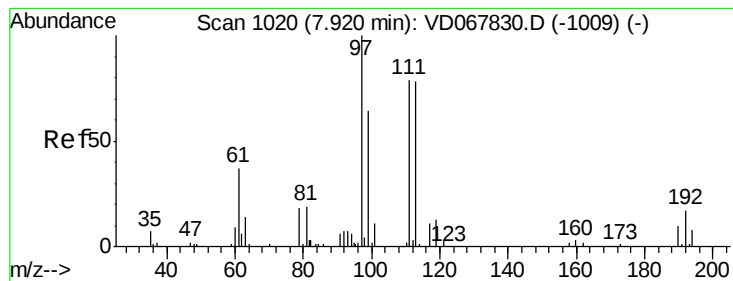
Ion Ratio Lower Upper

114 100

63 16.6 0.0 30.8

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 142.868 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

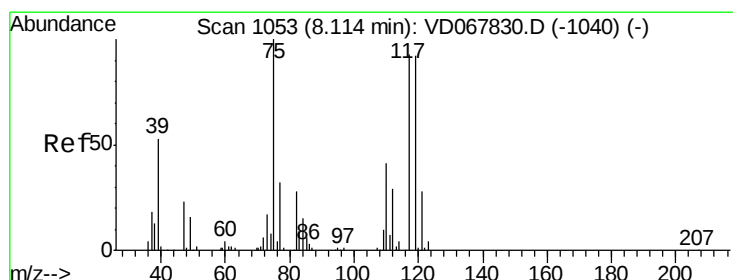
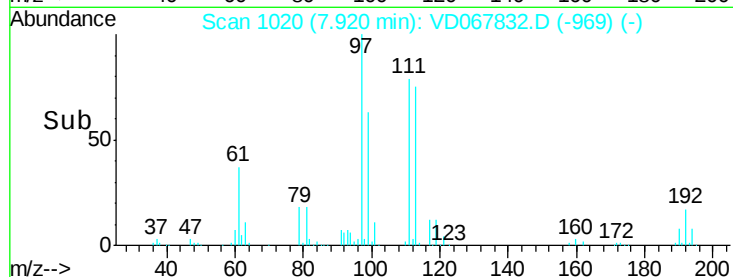
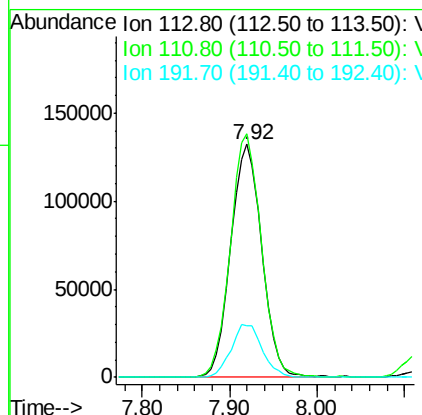
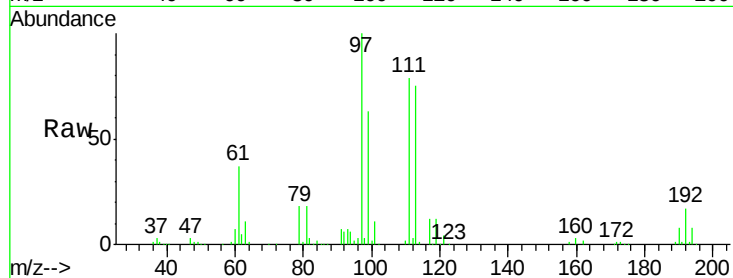
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	319911
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.2	121.8
192	22.7	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 145.740 ug/l

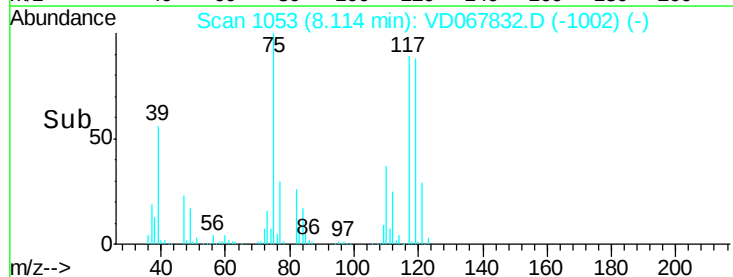
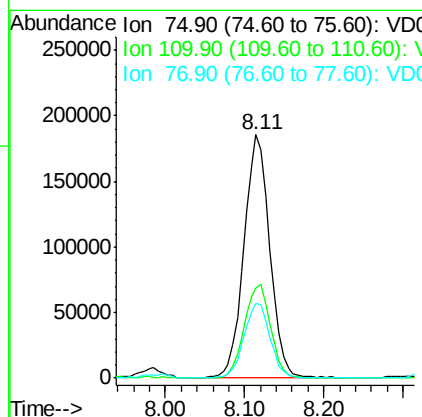
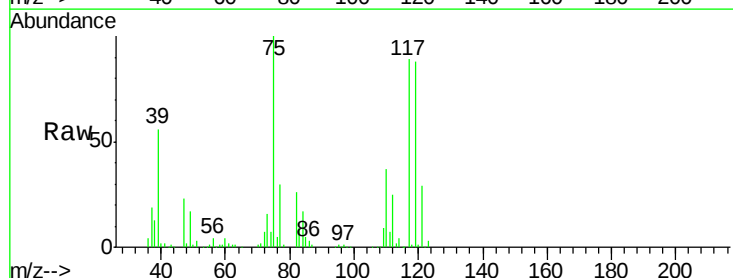
RT: 8.11 min Scan# 1053

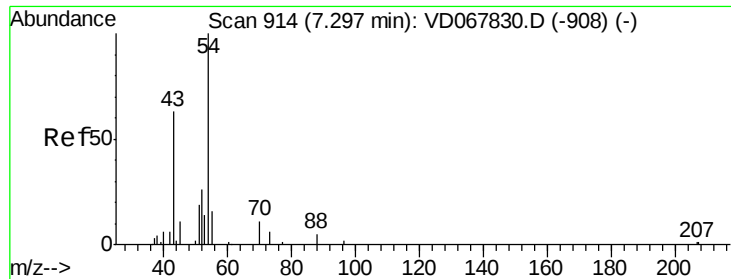
Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	75	Resp:	422198
Ion Ratio	Lower	Upper	
75	100		
110	38.9	20.3	61.0
77	30.9	24.7	37.1





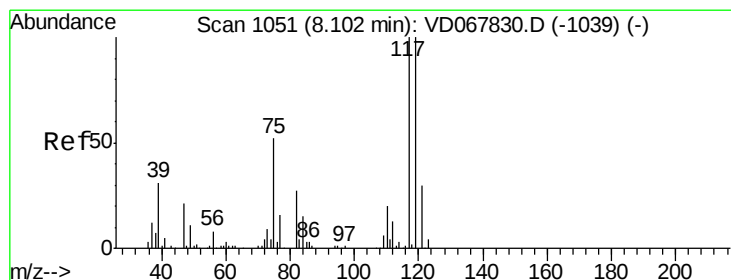
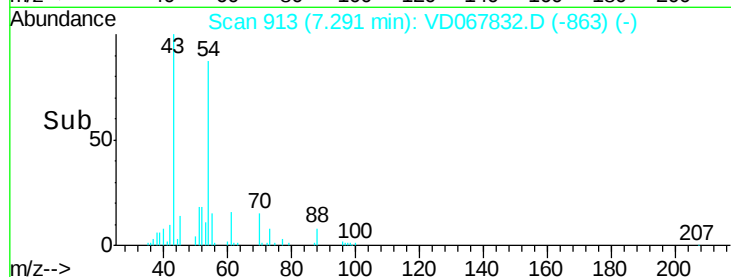
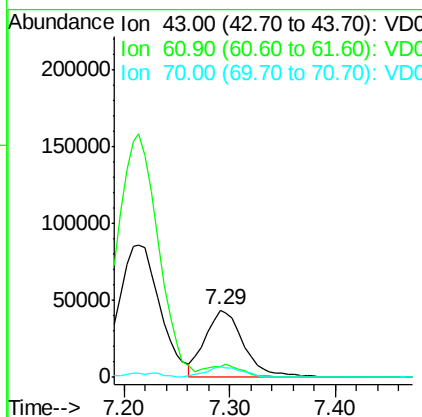
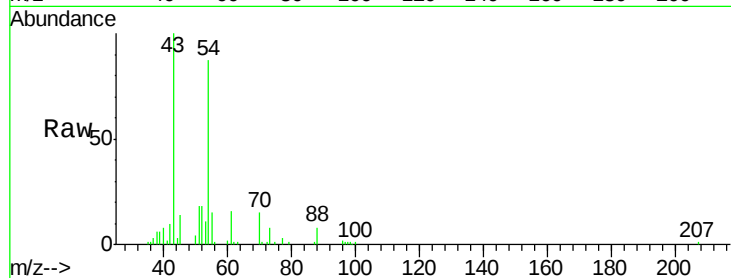
#37
Ethyl Acetate
Concen: 161.613 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.4		11.4	17.2
70	15.6		11.5	17.3

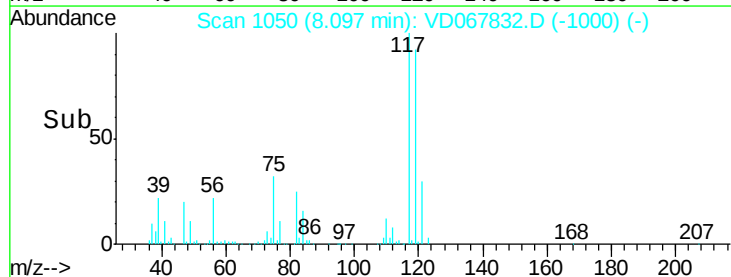
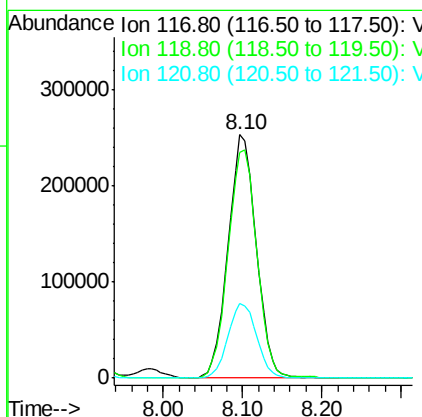
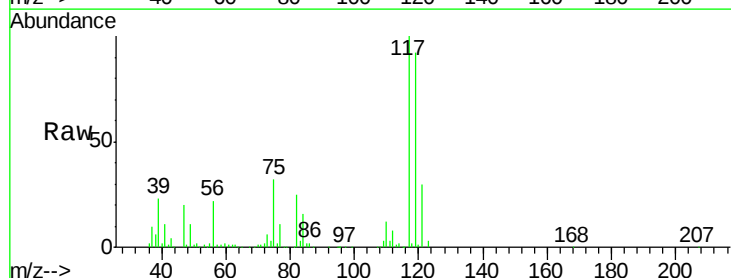
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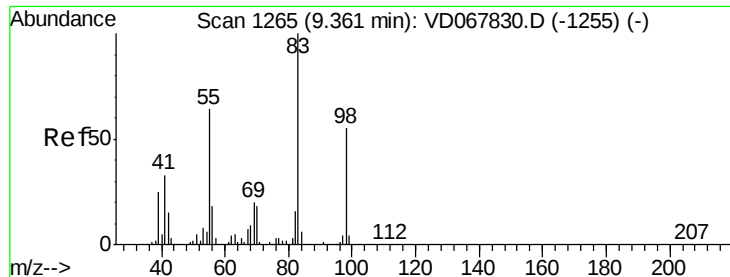
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#38
Carbon Tetrachloride
Concen: 141.550 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.5		79.7	119.5
121	30.5		23.8	35.6





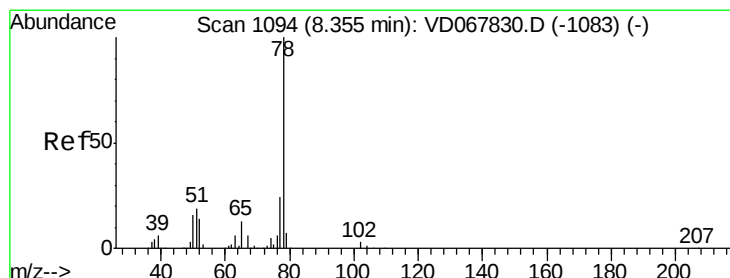
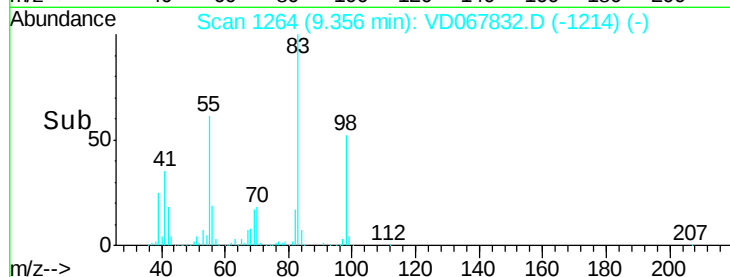
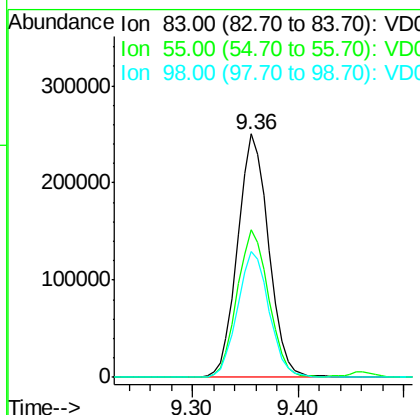
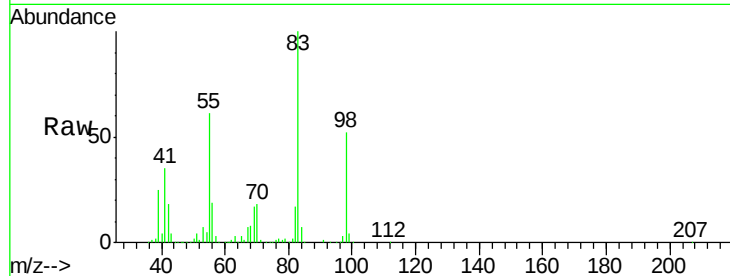
#39
Methvlcvclohexane
Concen: 148.749 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.7	51.6	77.4
98	51.8	44.3	66.5

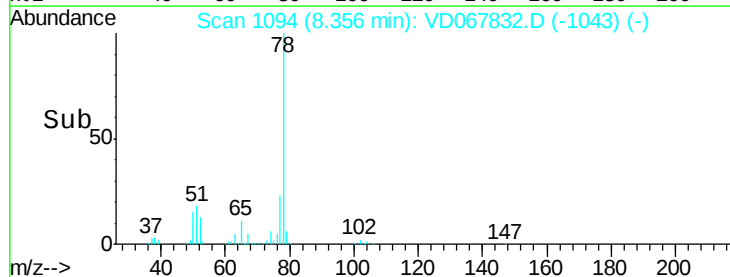
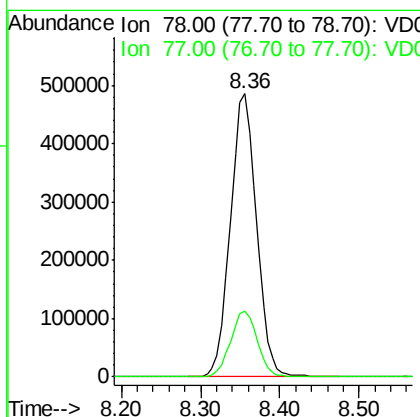
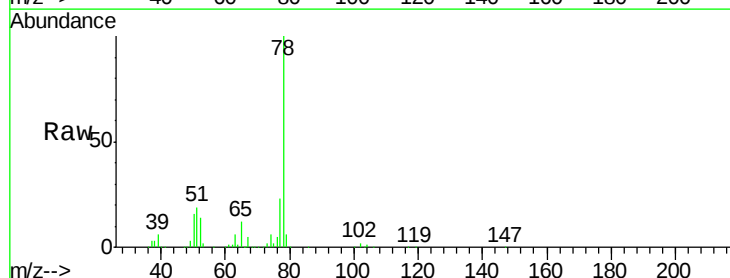
Manual Integrations
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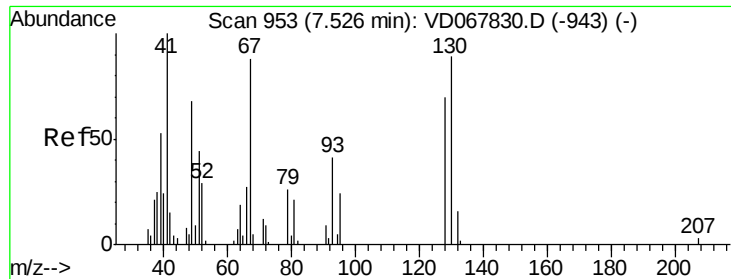
MMDadoda
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#40
Benzene
Concen: 140.103 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





#41

Methacrylonitrile

Concen: 137.580 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 52227
Ion Ratio Lower Upper

41 100

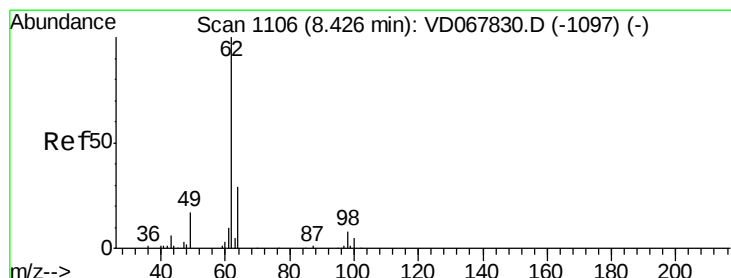
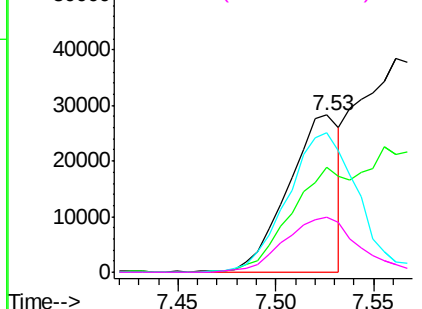
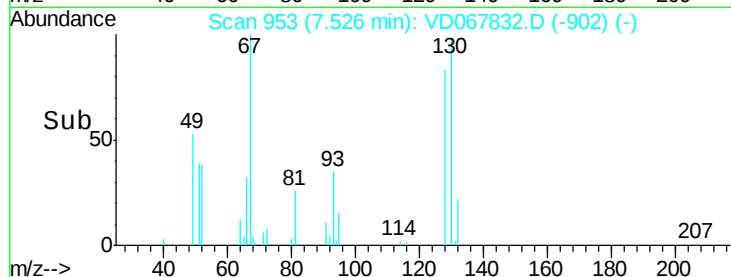
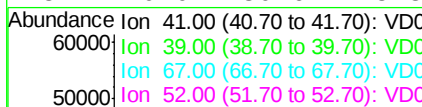
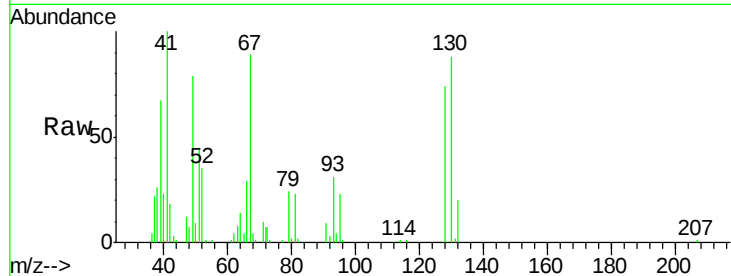
39 95.6 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

Manual Integrations
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MMDadoda
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#42

1,2-Dichloroethane

Concen: 142.402 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

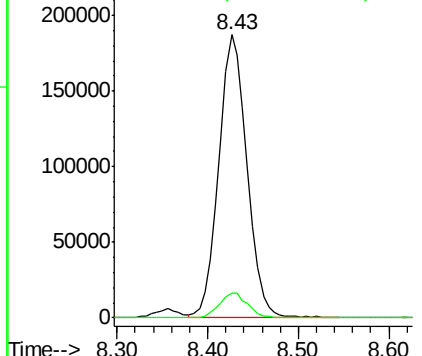
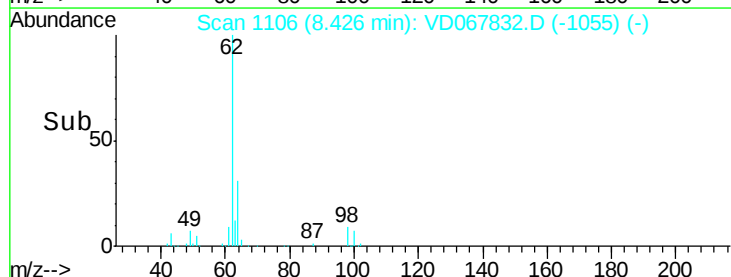
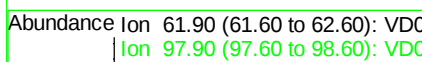
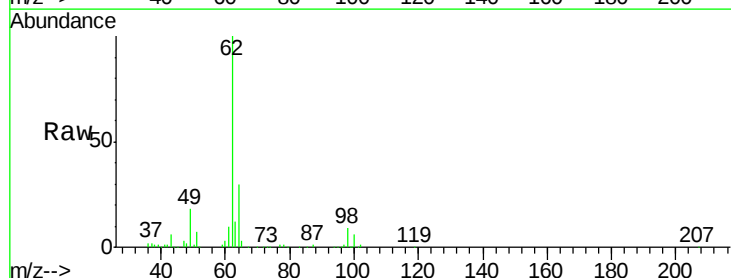
Lab File: VD067832.D

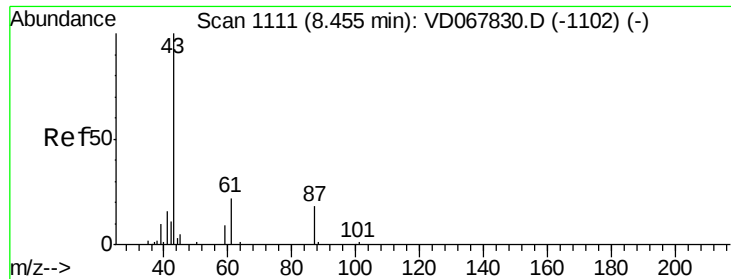
Acq: 01 Dec 2020 12:49

Tgt Ion: 62 Resp: 402306
Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.2





#43

Isopropyl Acetate

Concen: 151.499 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

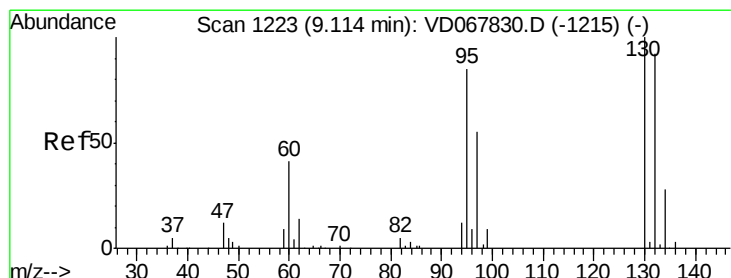
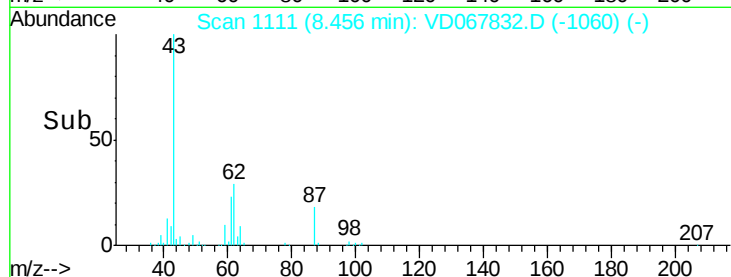
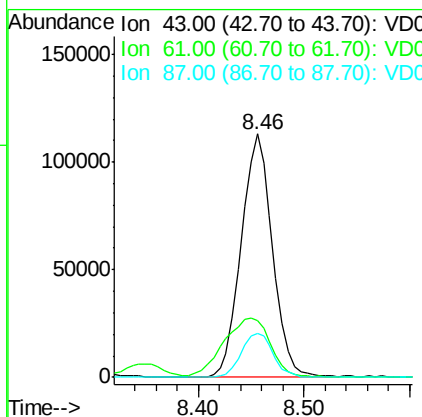
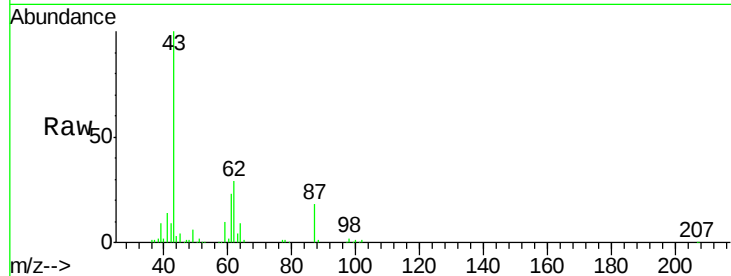
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	232739
Ion	Ratio	Lower	Upper
43	100		
61	36.6	30.4	45.6
87	18.6	16.2	24.2

Manual Integrations
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#44

Trichloroethene

Concen: 140.481 ug/l

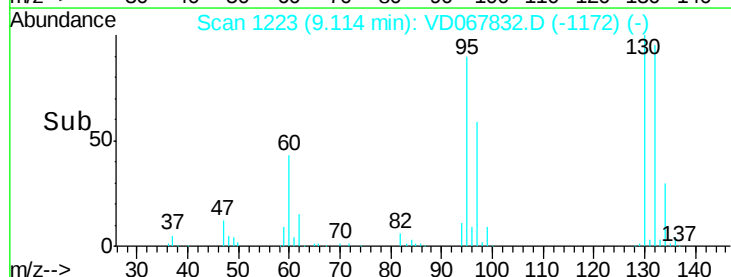
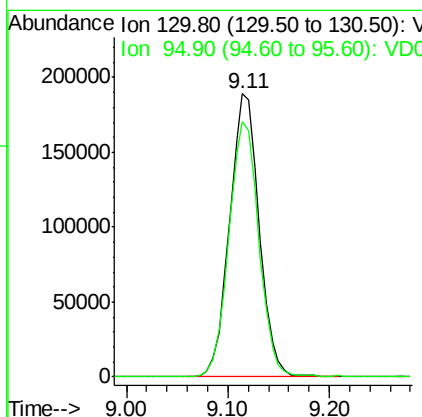
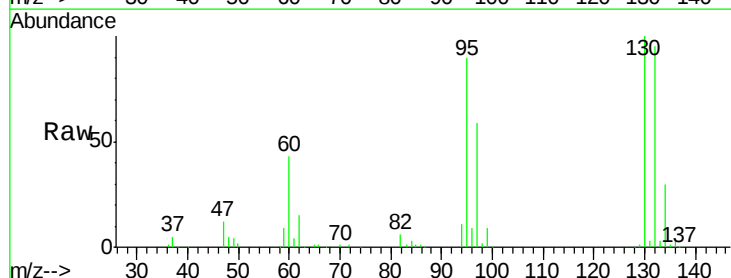
RT: 9.11 min Scan# 1223

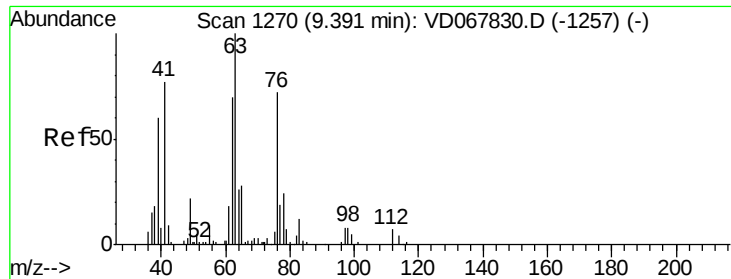
Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	130	Resp:	382861
Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	170.2





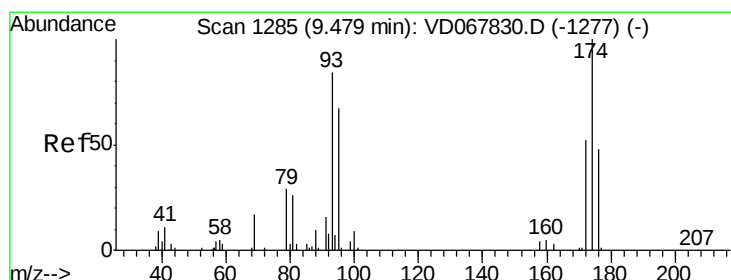
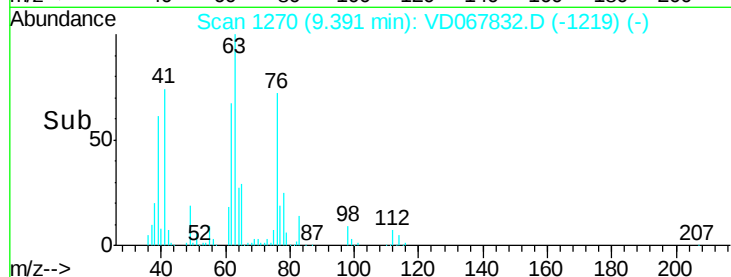
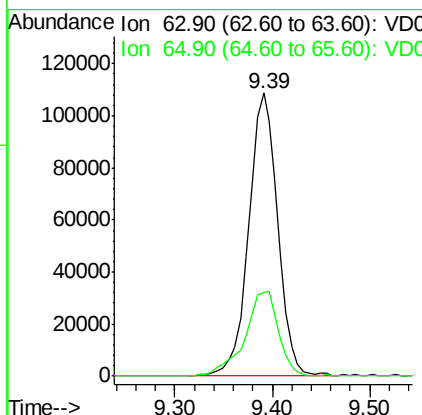
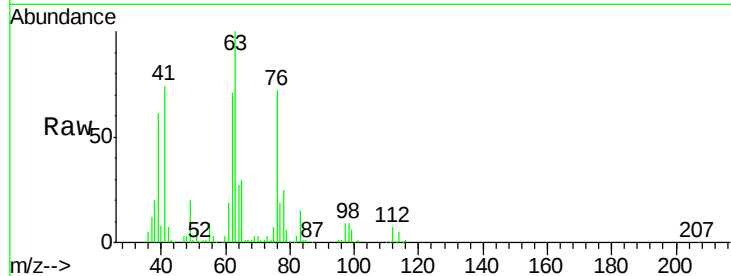
#45
 1,2-Dichloropropane
 Concen: 139.707 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 227293
 Ion Ratio Lower Upper
 63 100
 65 29.6 22.8 34.2

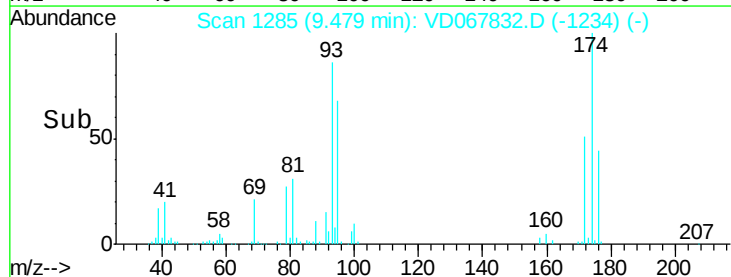
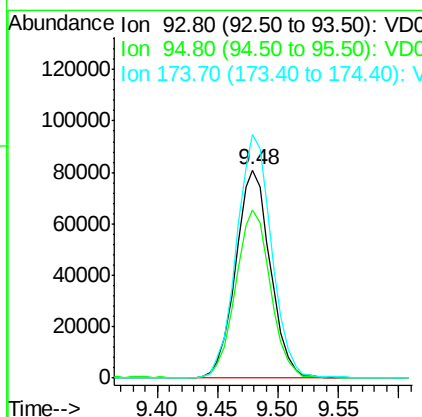
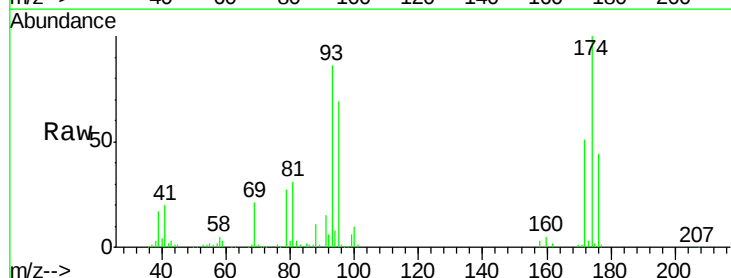
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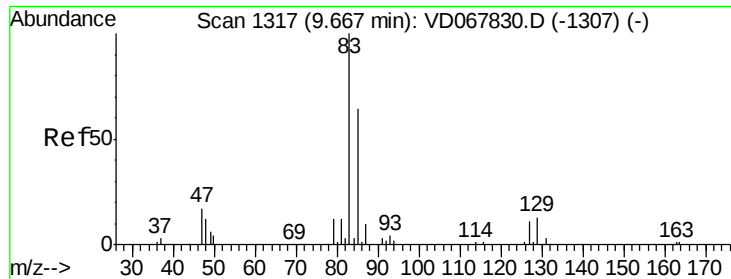
MMDadoda
 12/2/2020 12:24:05 PM



#46
 Dibromomethane
 Concen: 142.794 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 93 Resp: 161523
 Ion Ratio Lower Upper
 93 100
 95 81.7 64.2 96.4
 174 118.2 91.5 137.3





#47

Bromodichloromethane

Concen: 141.829 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

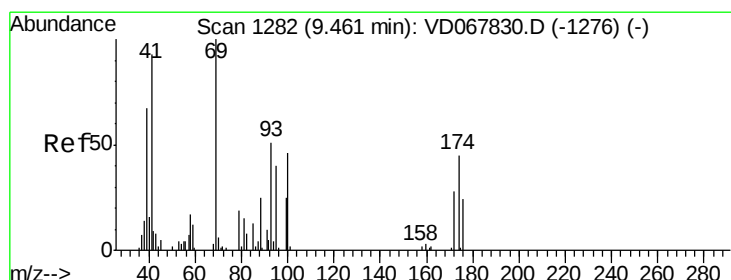
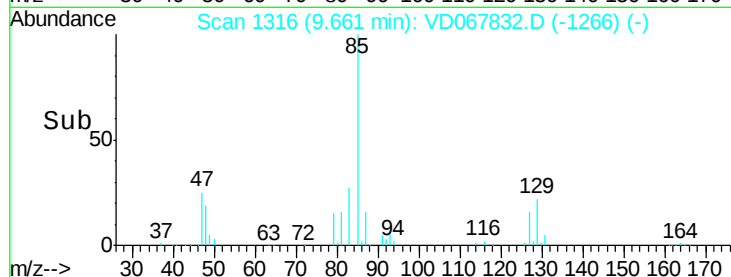
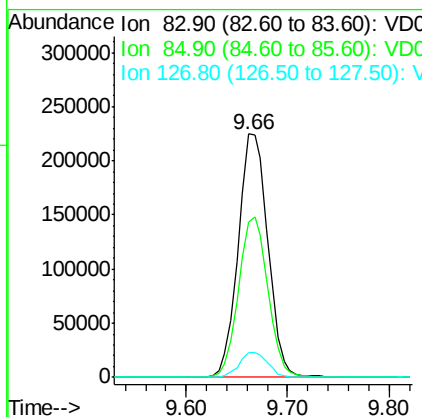
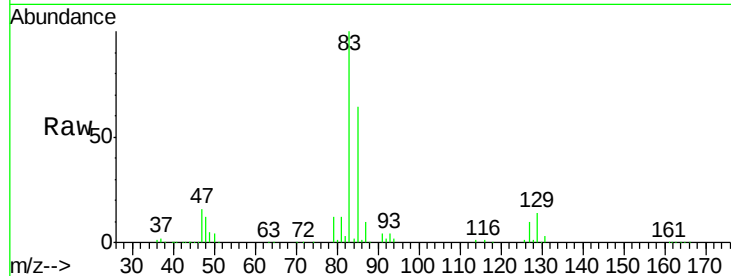
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	457369
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.4	77.0
127	9.9	8.5	12.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 147.476 ug/l

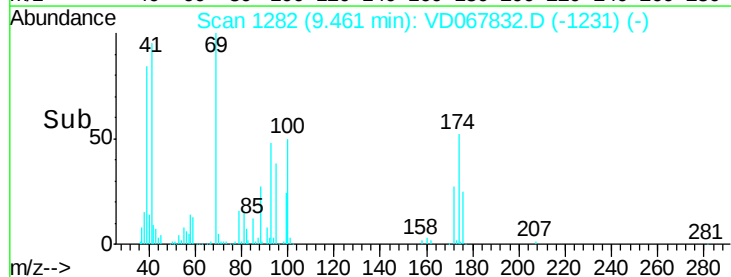
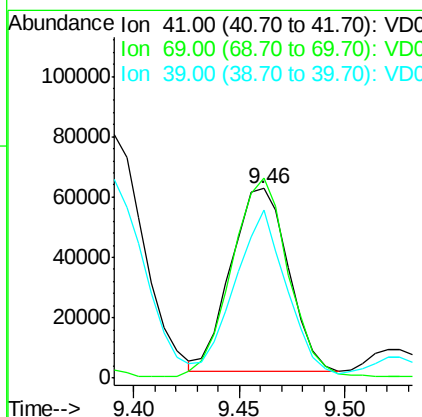
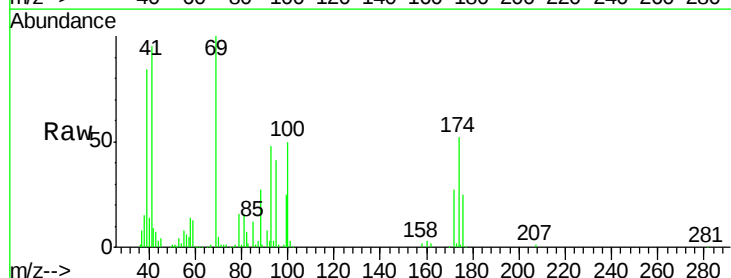
RT: 9.46 min Scan# 1282

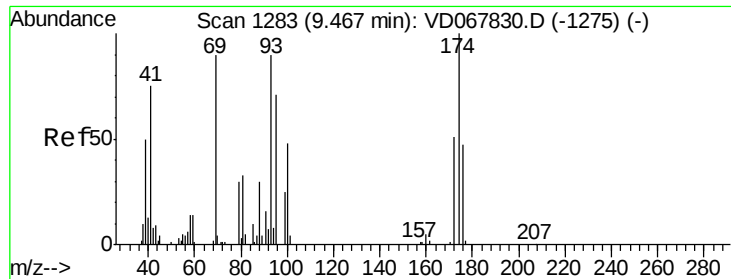
Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion:	41	Resp:	115043
Ion Ratio	Lower	Upper	
41	100		
69	106.9	87.6	131.4
39	79.6	61.2	91.8





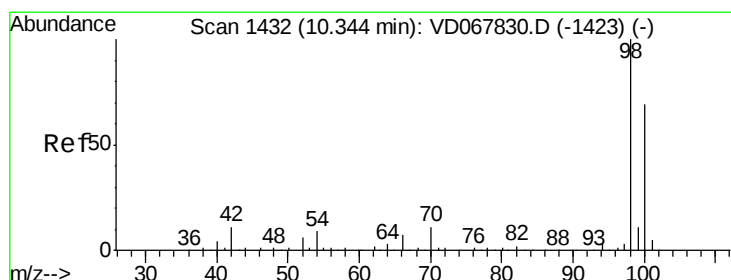
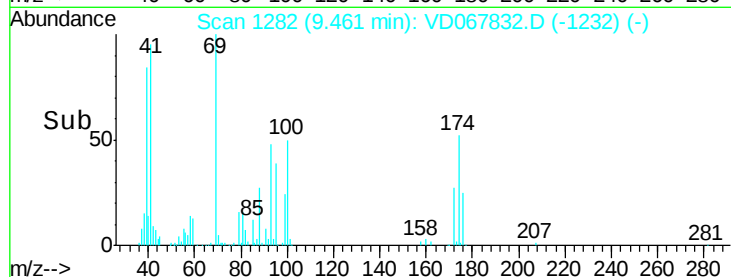
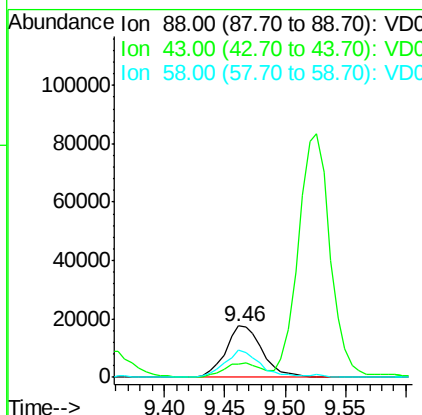
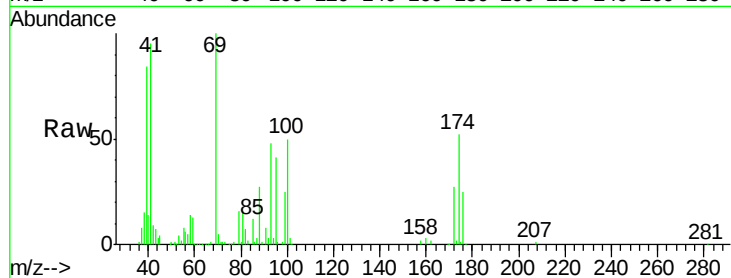
#49
1,4-Dioxane
Concen: 2883.651 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	37272
Ion	Ratio	Lower	Upper
88	100		
43	27.6	30.1	45.1#
58	51.7	42.4	63.6

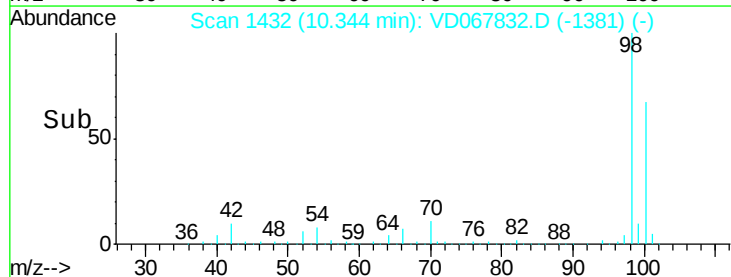
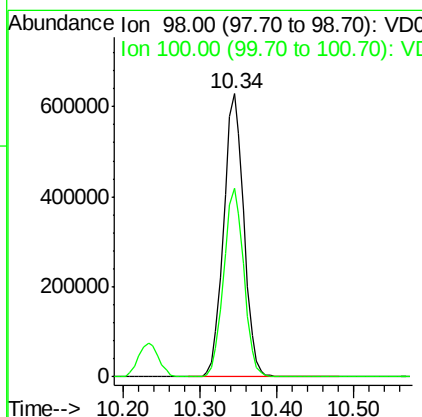
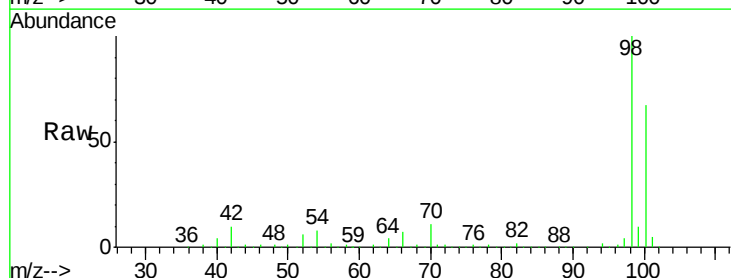
Manual Integrations
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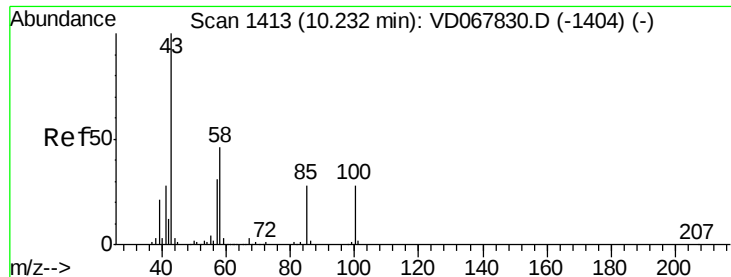
MMDadoda
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#50
Toluene-d8
Concen: 142.505 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	98	Resp	1148691
Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 721.567 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 524641

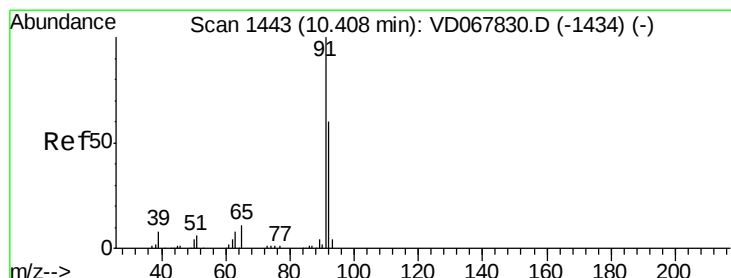
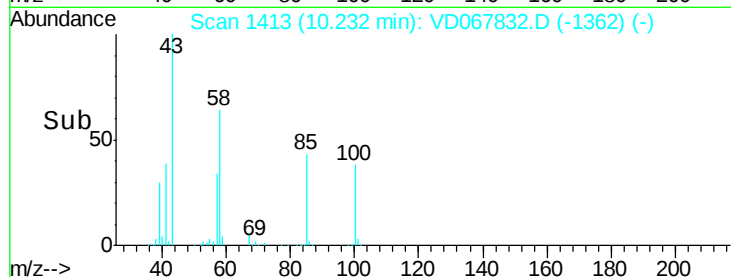
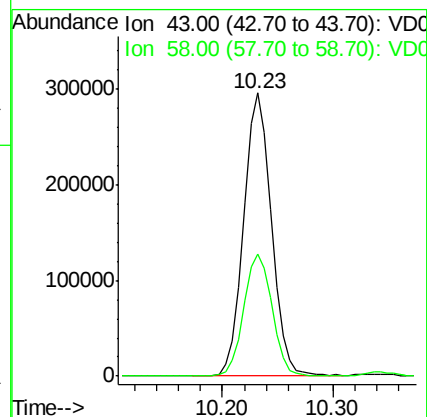
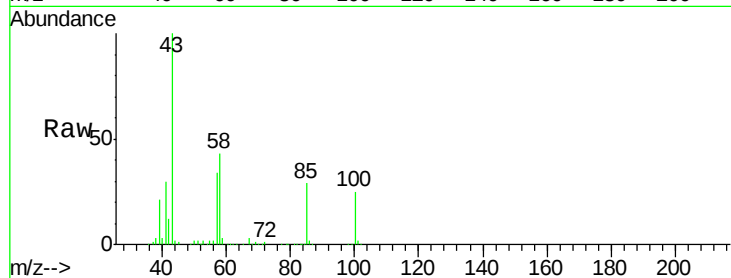
Ion Ratio Lower Upper

43 100

58 43.9 35.7 53.5

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#52

Toluene

Concen: 140.885 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067832.D

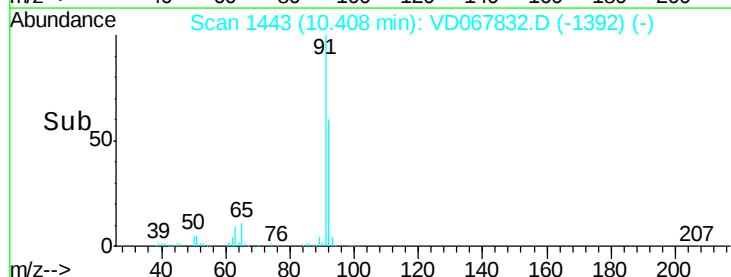
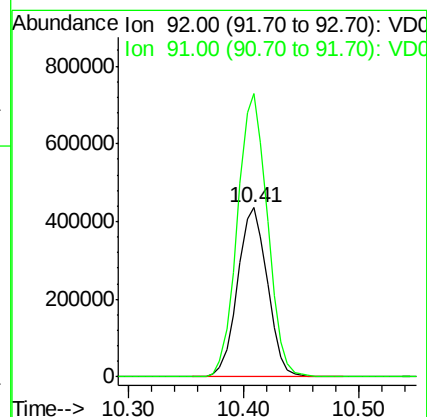
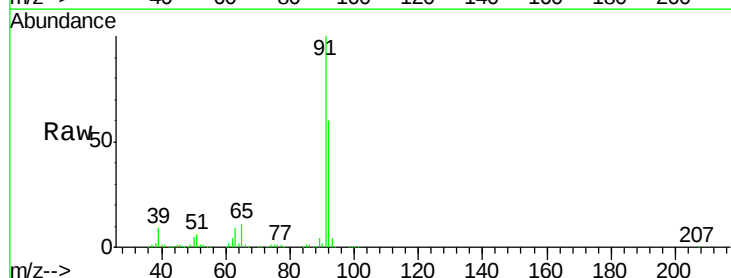
Acq: 01 Dec 2020 12:49

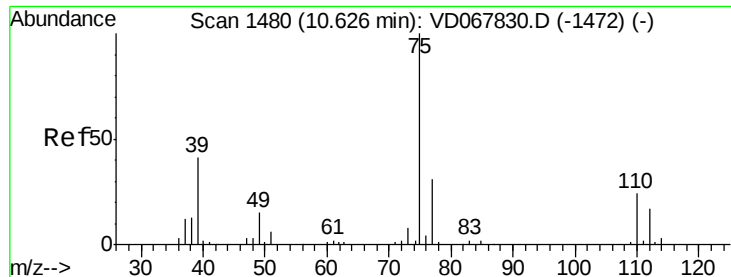
Tgt Ion: 92 Resp: 780791

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2





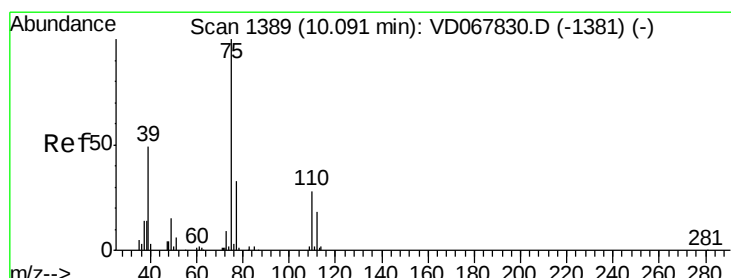
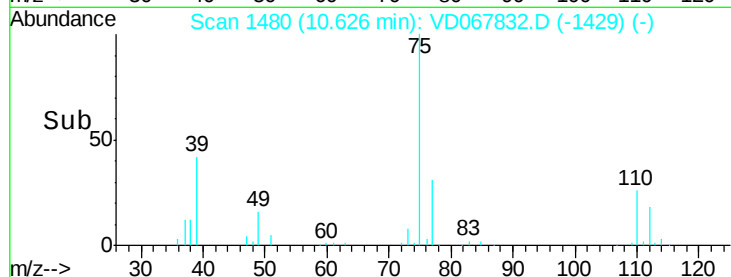
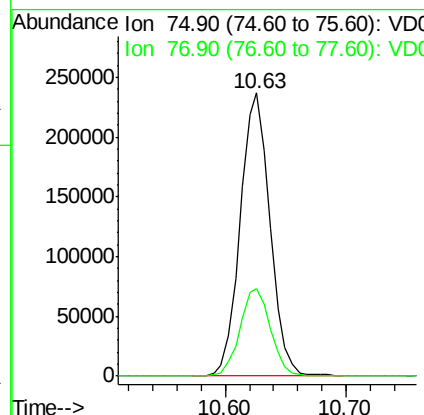
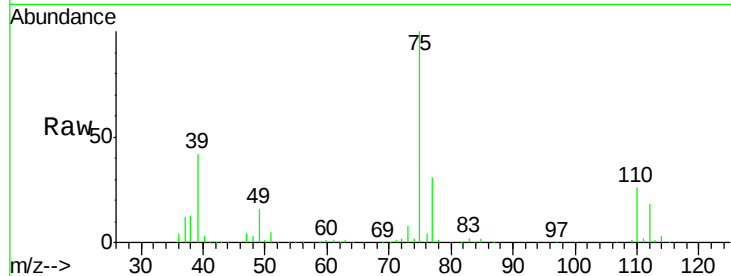
#53
 t-1,3-Dichloropropene
 Concen: 146.181 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 406874
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4

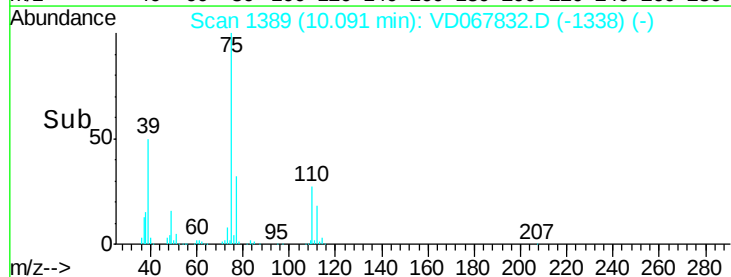
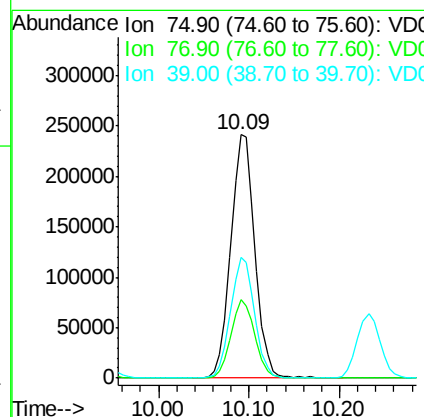
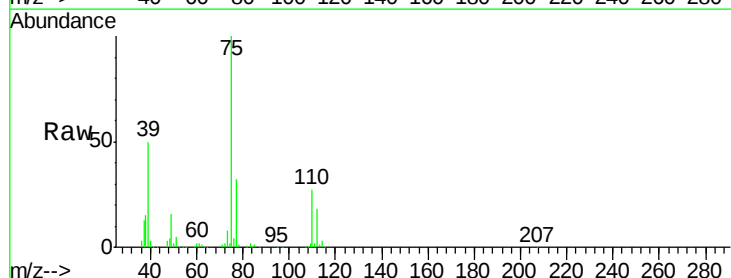
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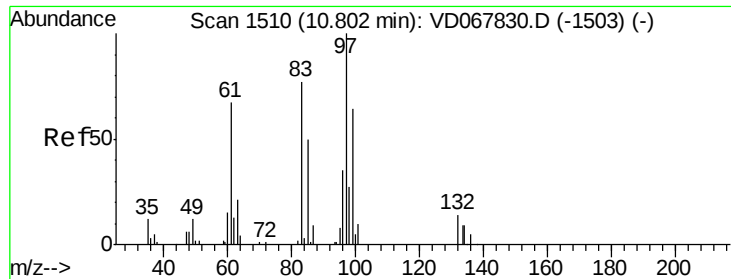
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#54
 cis-1,3-Dichloropropene
 Concen: 147.081 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 75 Resp: 445298
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2
 39 49.6 39.0 58.4





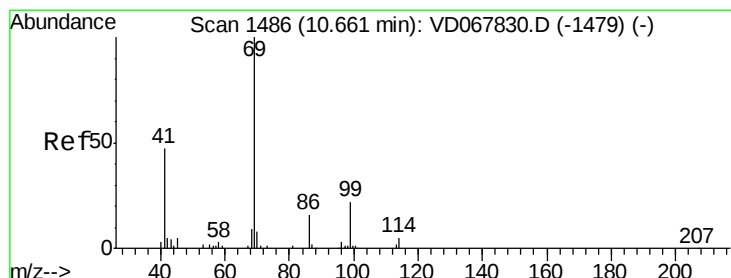
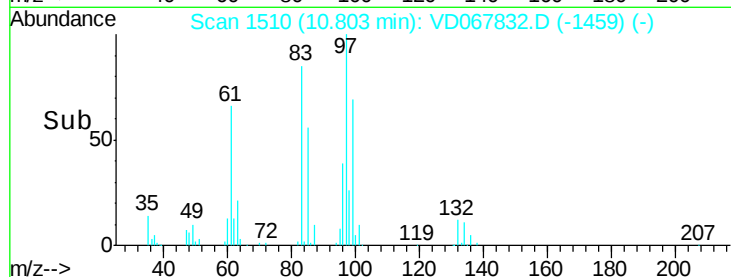
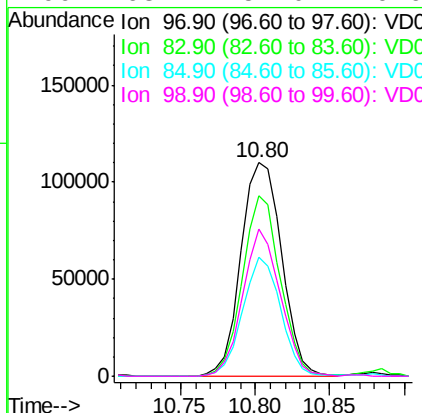
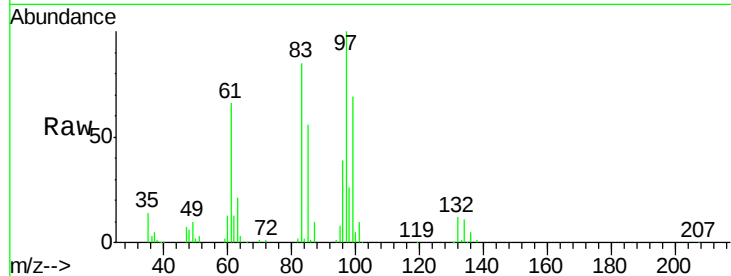
#55
 1,1,2-Trichloroethane
 Concen: 134.483 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	208182
Ion Ratio	Lower	Upper	
97	100		
83	84.6	61.9	92.9
85	56.0	40.2	60.4
99	68.7	51.0	76.6

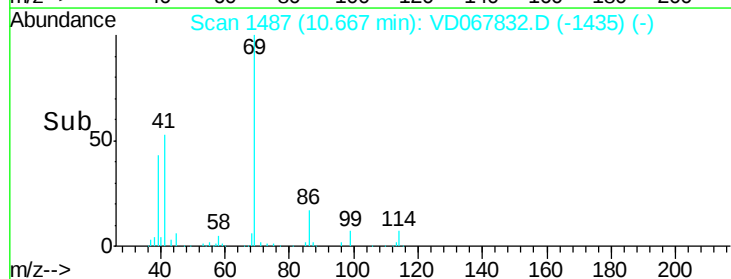
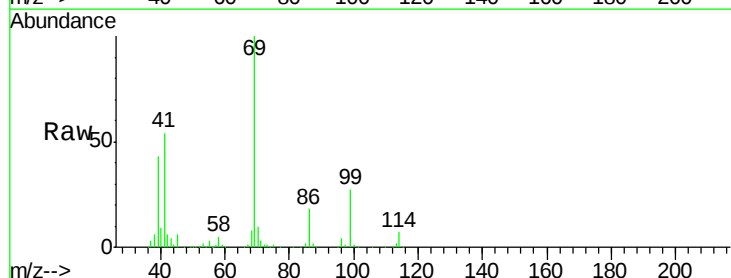
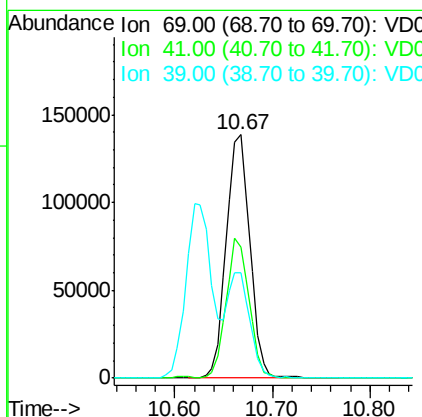
Manual Integrations
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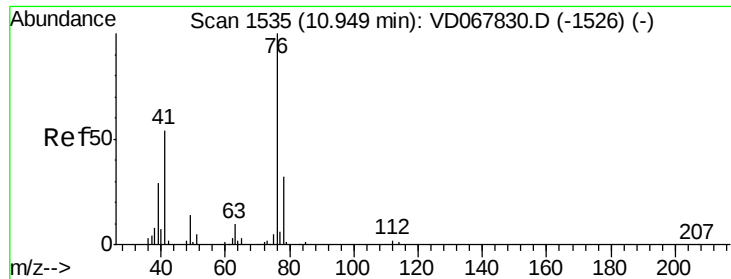
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 12/2/2020 12:24:05 PM



#56
 Ethyl methacrylate
 Concen: 148.750 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	69	Resp	234283
Ion Ratio	Lower	Upper	
69	100		
41	55.7	42.8	64.2
39	39.1	30.5	45.7





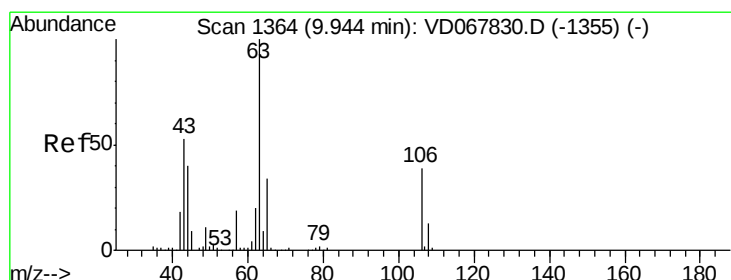
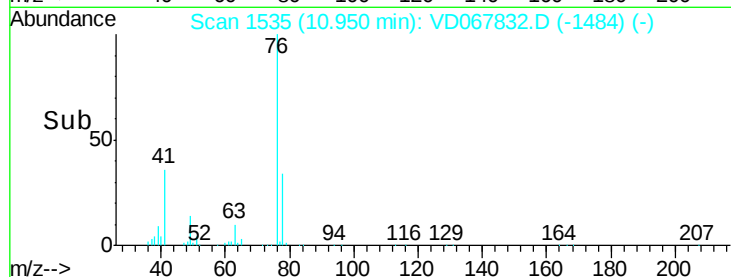
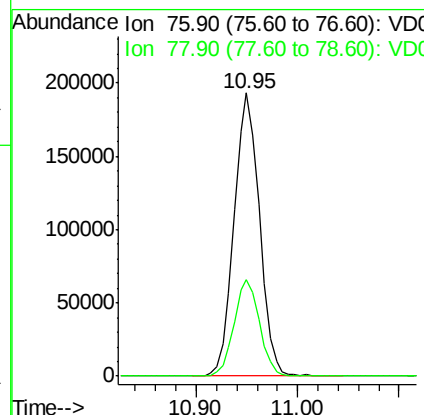
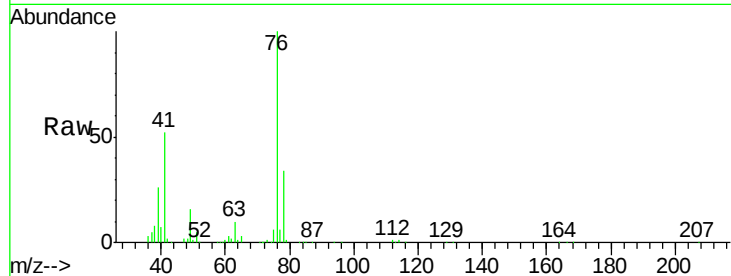
#57
 1,3-Dichloropropane
 Concen: 136.875 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 335635
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.6 39.8

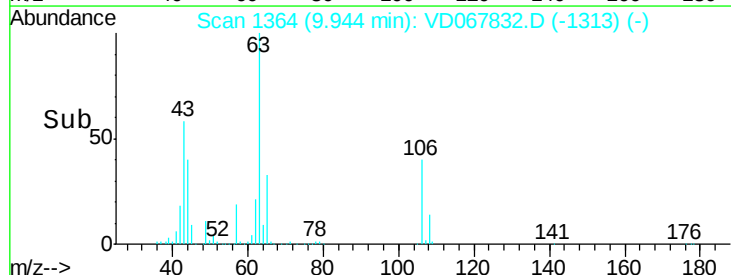
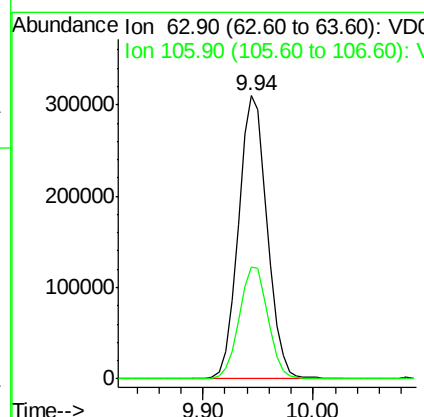
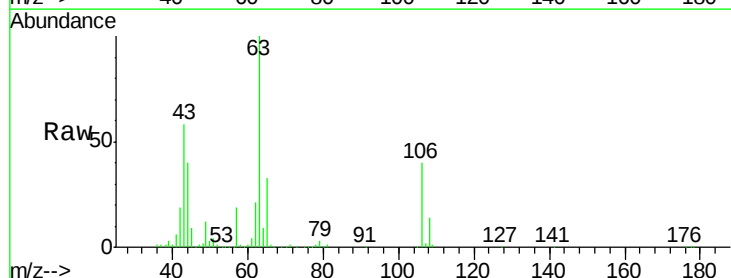
Manual Integrations
 APPROVED

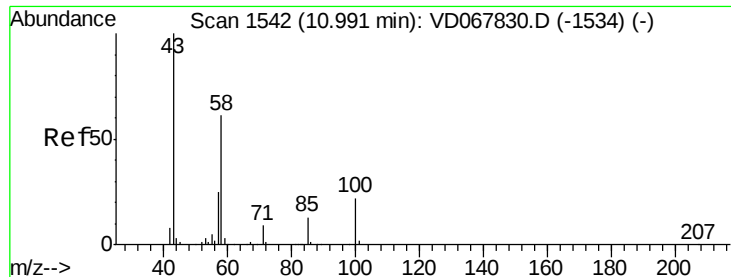
MMDadoda
 12/2/2020 12:24:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 789.382 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 63 Resp: 565742
 Ion Ratio Lower Upper
 63 100
 106 39.9 32.0 48.0





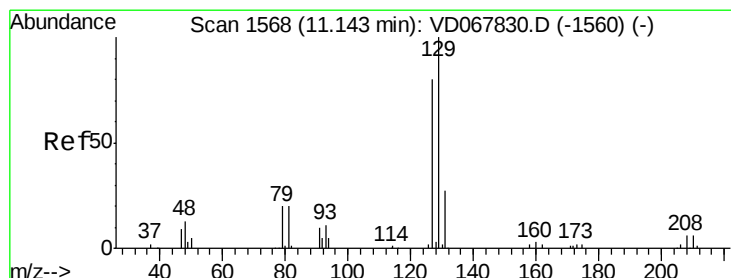
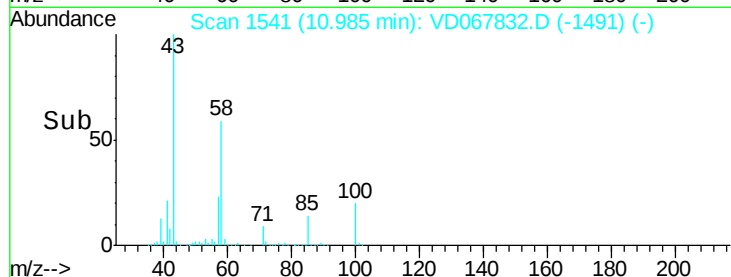
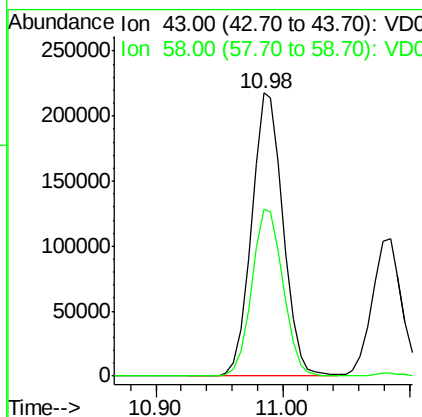
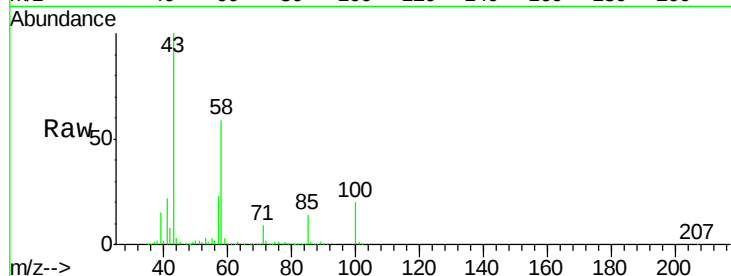
#59
2-Hexanone
Concen: 732.431 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	375412
Ion Ratio	100	Lower	Upper
43	100		
58	59.0	29.9	89.7

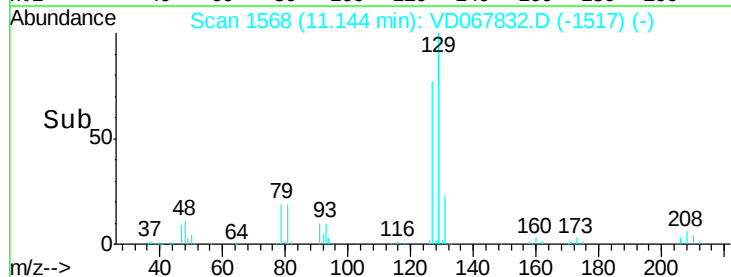
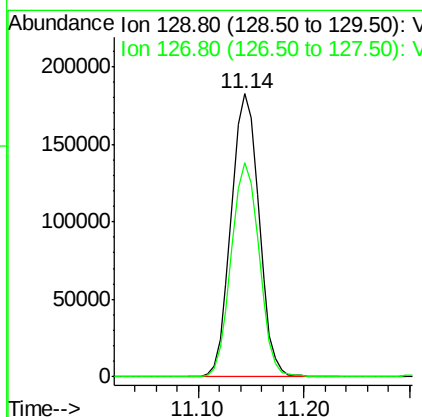
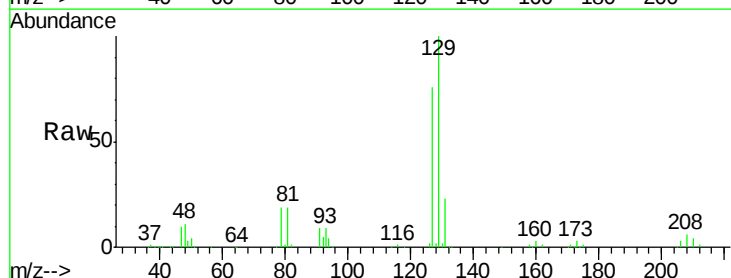
Manual Integrations
APPROVED

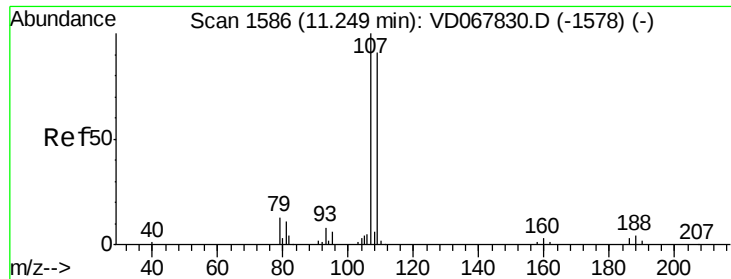
MMDadoda
12/2/2020 12:24:05 PM



#60
Dibromochloromethane
Concen: 143.108 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	129	Resp	333944	
Ion Ratio	129	100	Lower	Upper
127	75.8	39.2	117.6	





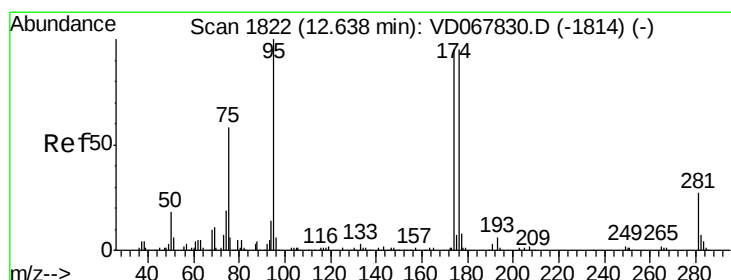
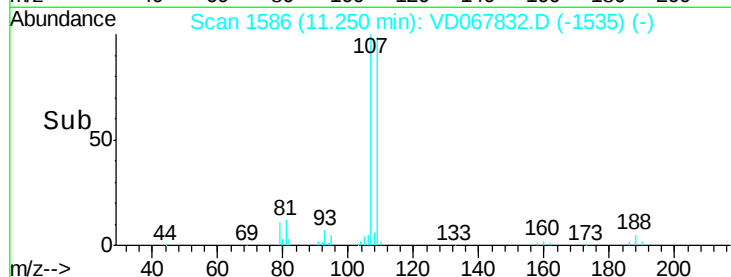
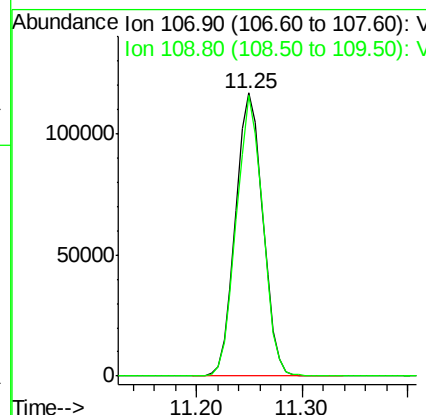
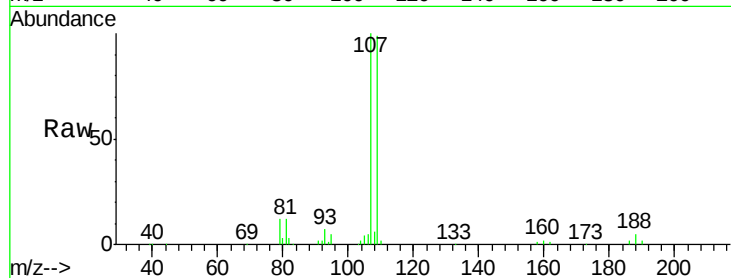
#61
 1,2-Dibromoethane
 Concen: 136.971 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	208511		
109	95.8	75.9	113.9	

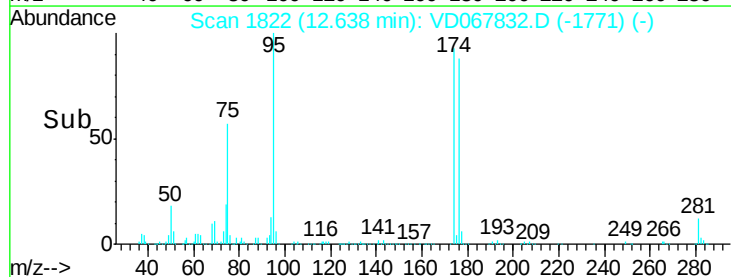
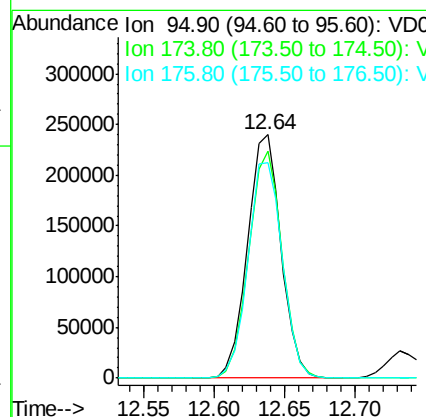
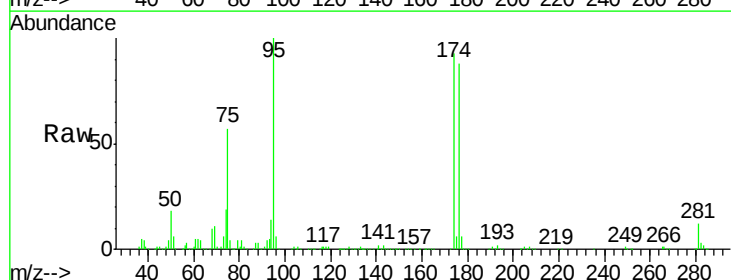
Manual Integrations
 APPROVED

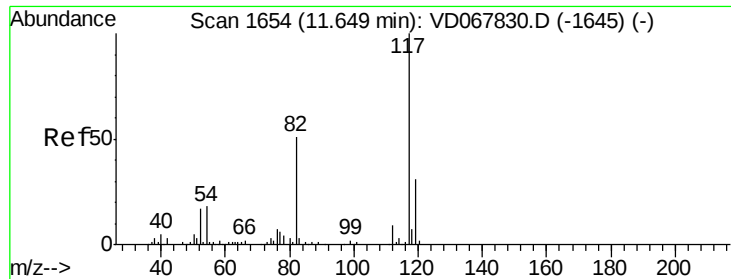
MMDadoda
 12/2/2020 12:24:05 PM



#62
 4-Bromofluorobenzene
 Concen: 143.085 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	398751		
174	92.9	0.0	186.0	
176	91.1	0.0	184.2	





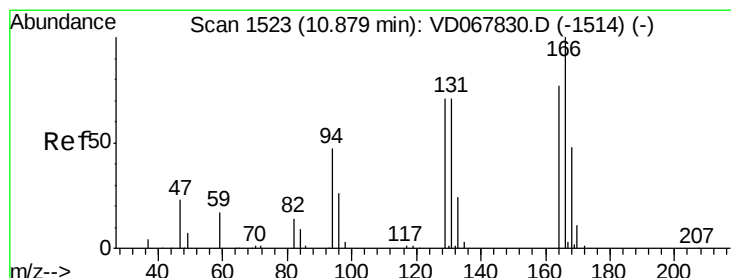
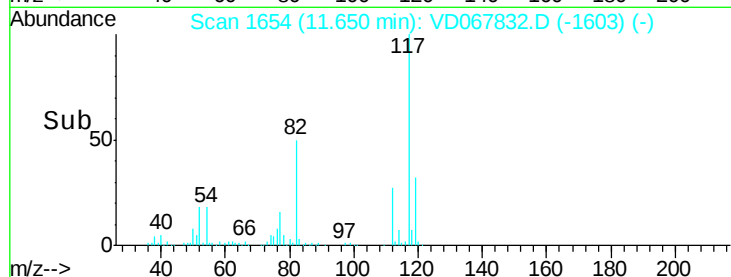
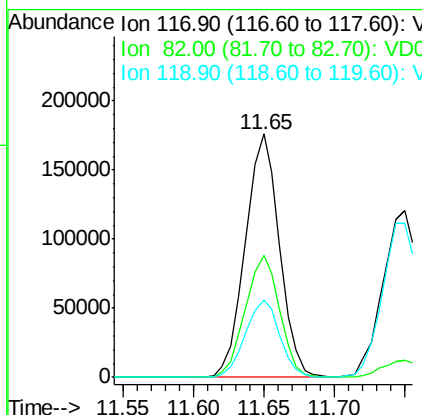
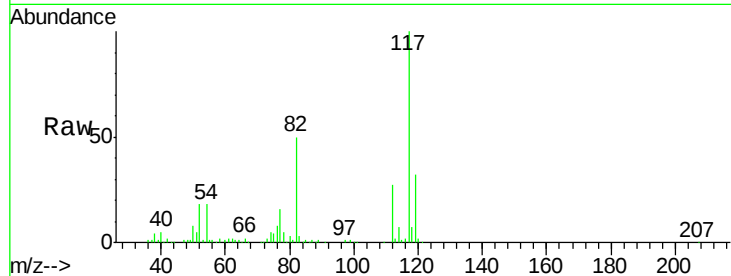
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298582		
82	49.9		40.6	60.8
119	31.9		25.1	37.7

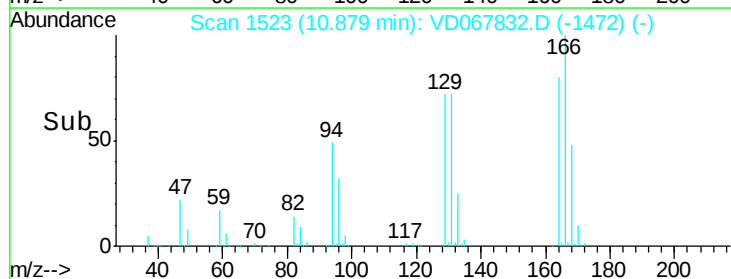
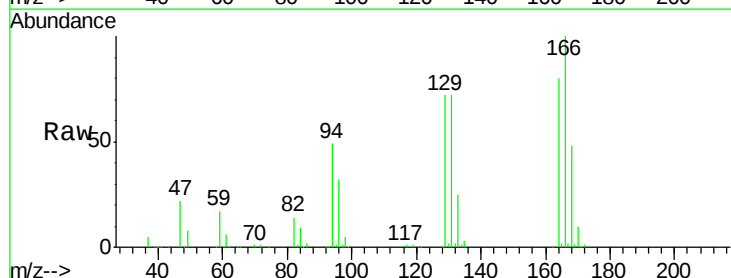
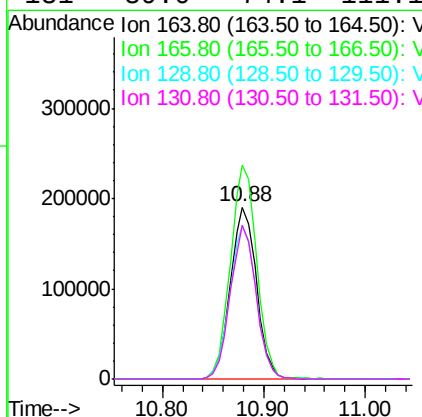
Manual Integrations
APPROVED

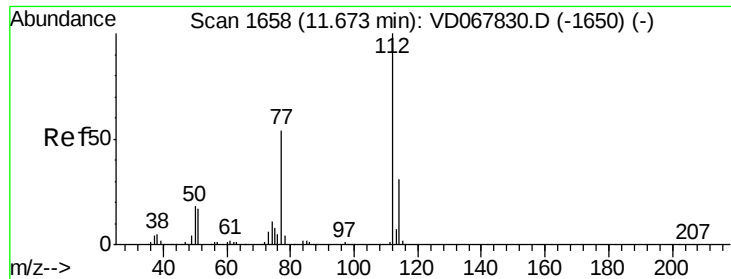
MMDadoda
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#64
Tetrachloroethene
Concen: 139.226 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	339083		
166	124.3		103.8	155.6
129	89.5		73.3	109.9
131	89.0		74.1	111.1





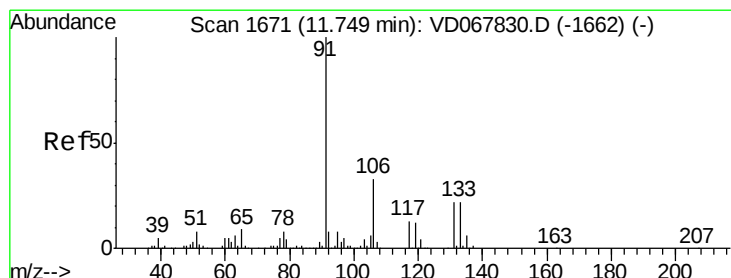
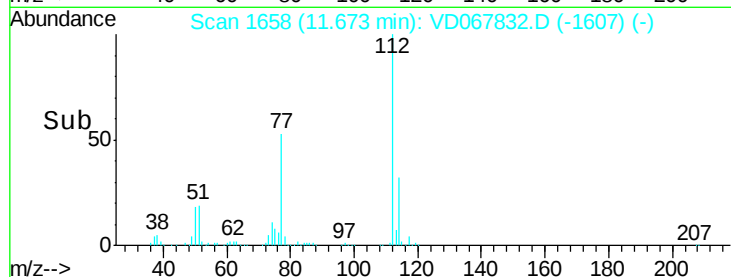
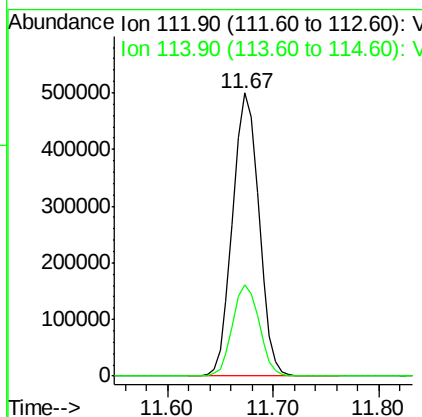
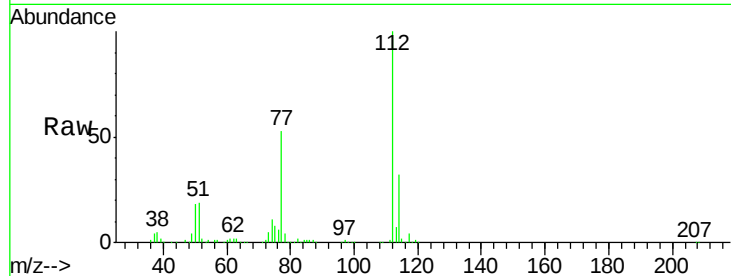
#65
Chlorobenzene
Concen: 140.073 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 862975
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

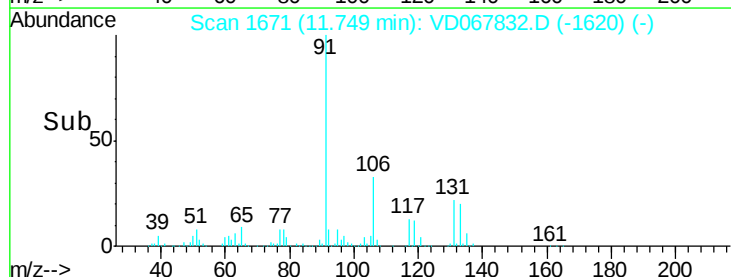
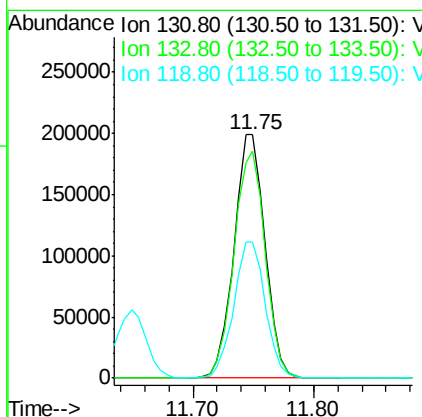
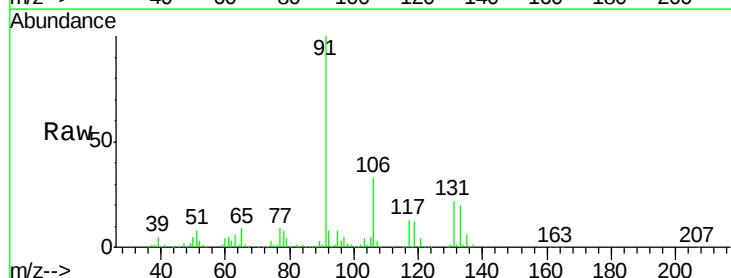
Manual Integrations
APPROVED

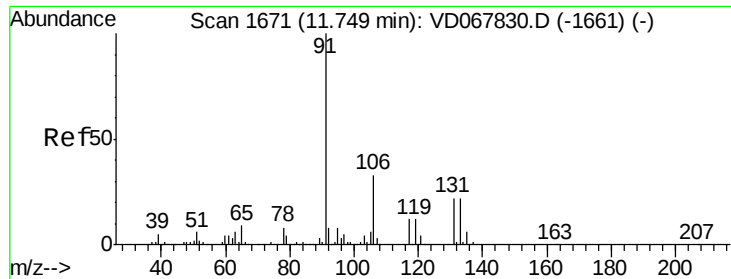
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#66
1,1,1,2-Tetrachloroethane
Concen: 141.903 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:131 Resp: 356576
Ion Ratio Lower Upper
131 100
133 93.9 49.9 149.7
119 56.9 29.6 88.9





#67

Ethyl Benzene

Concen: 146.048 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1532781

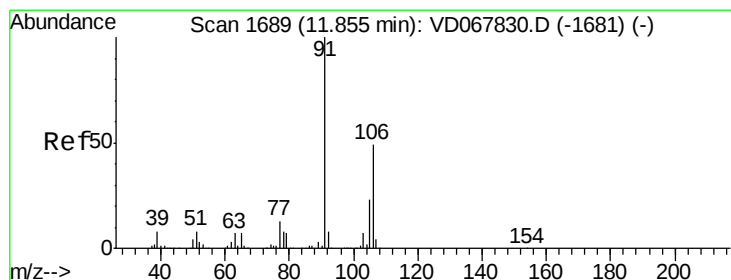
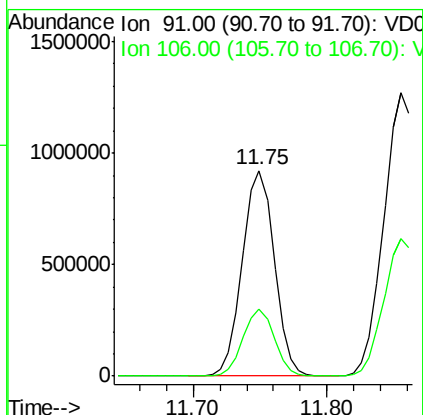
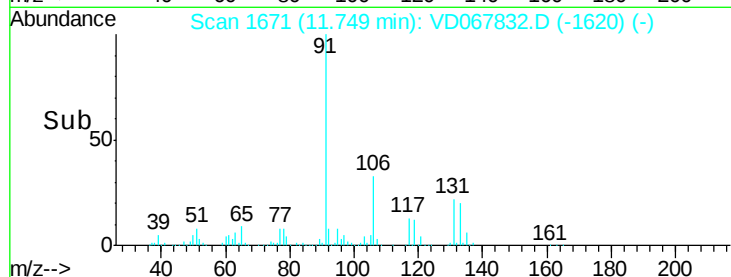
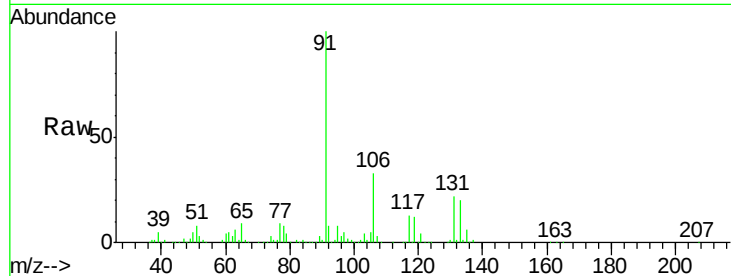
Ion Ratio Lower Upper

91 100

106 32.5 26.2 39.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 288.306 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067832.D

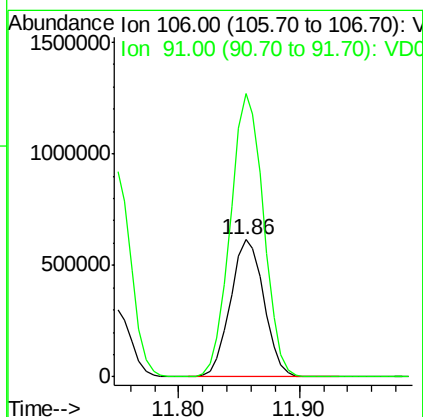
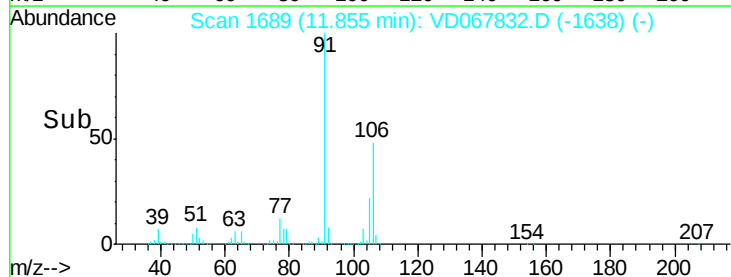
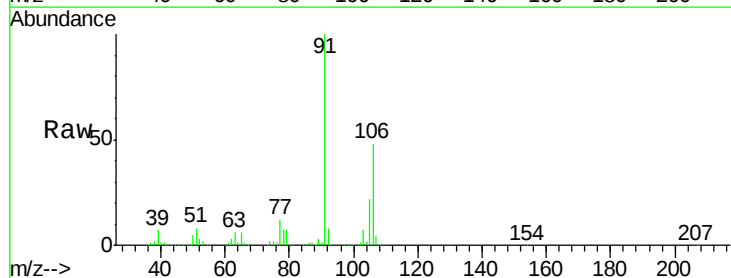
Acq: 01 Dec 2020 12:49

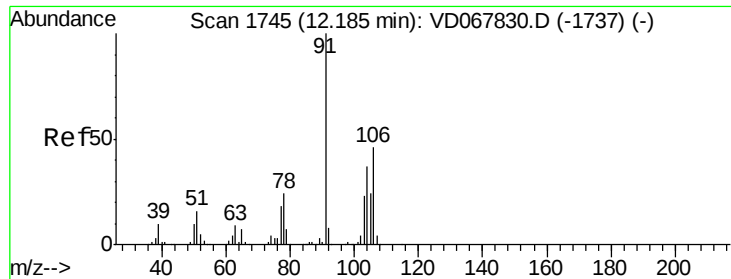
Tgt Ion: 106 Resp: 1193098

Ion Ratio Lower Upper

106 100

91 203.6 162.8 244.2





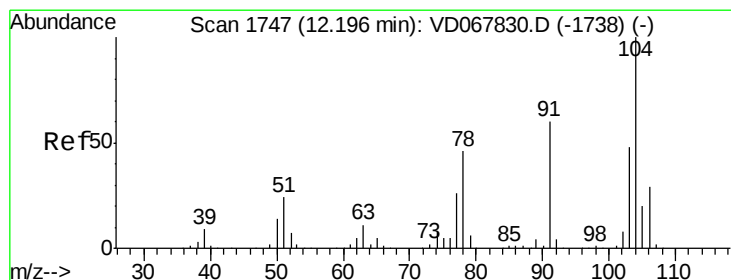
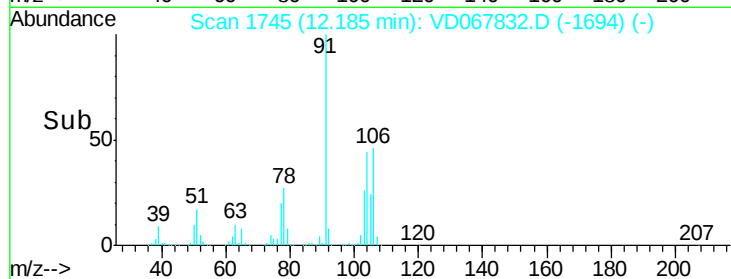
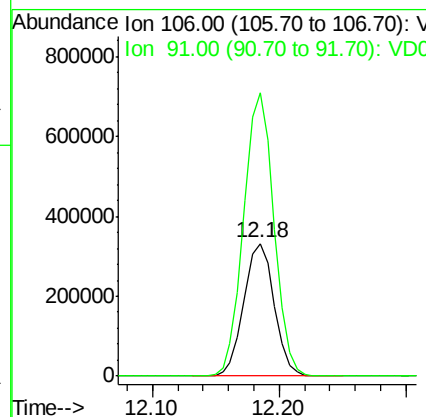
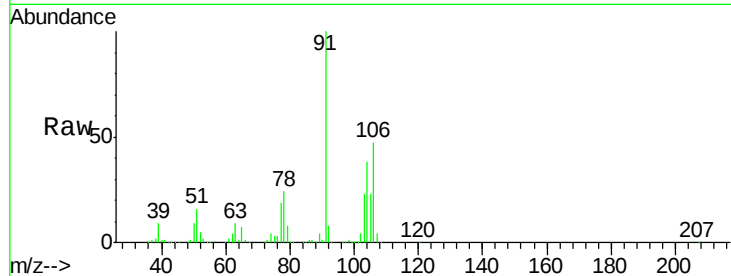
#69
o-Xylene
Concen: 150.289 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	107.5	322.5

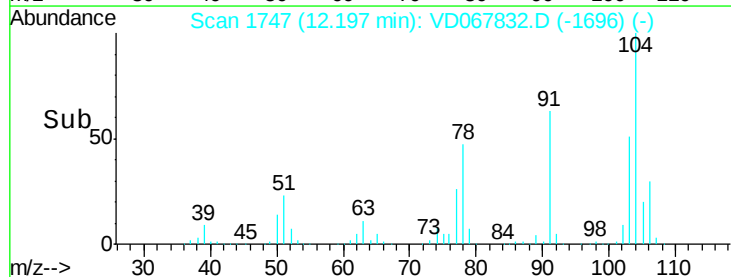
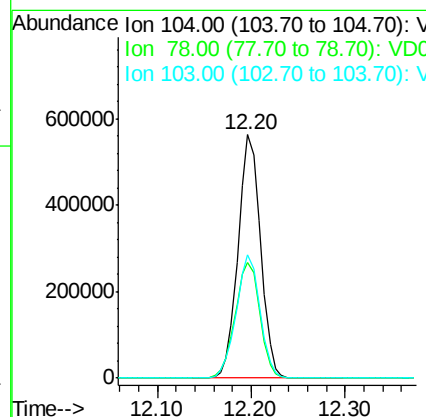
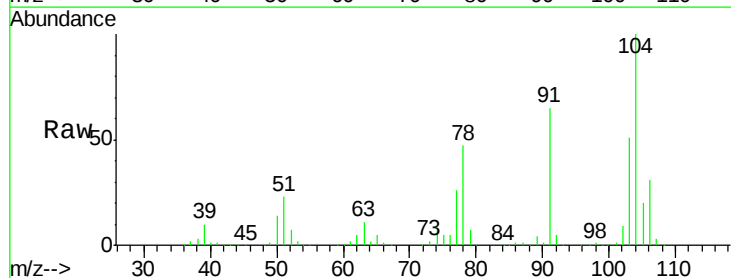
Manual Integrations
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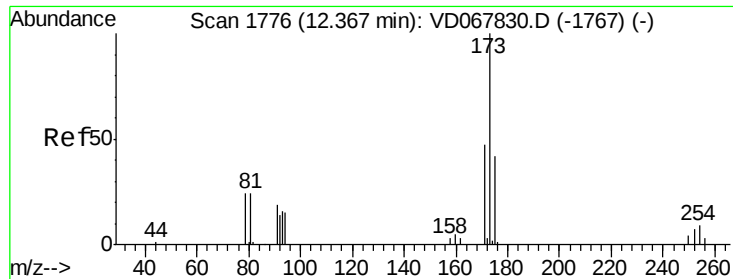
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#70
Styrene
Concen: 146.264 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.6	62.4
103	53.7	43.2	64.8





#71

Bromoform

Concen: 145.765 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

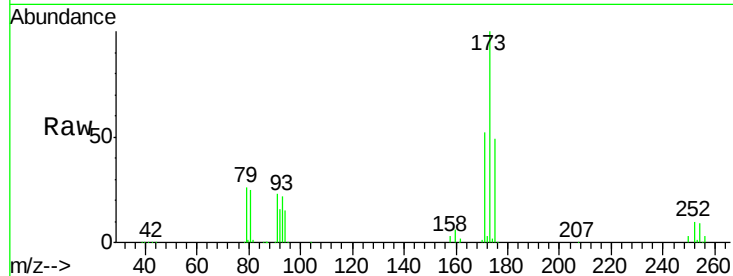
ClientSampleId :

VSTDIC150

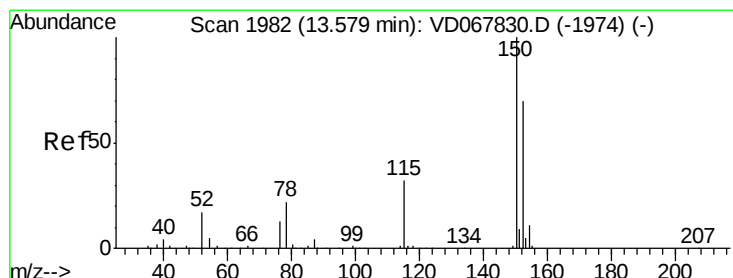
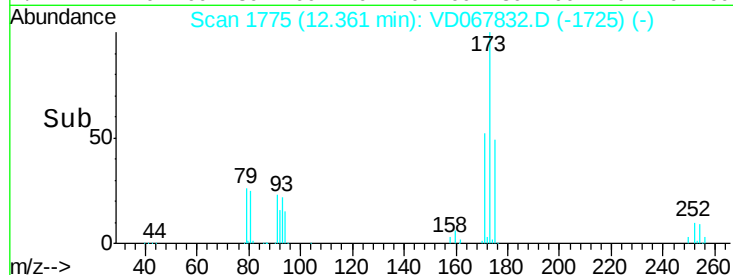
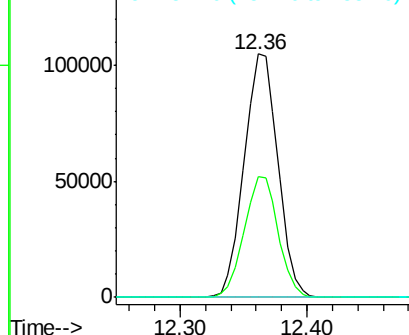
Tot Ion:	173	Resp:	193886
Ion Ratio	Lower	Upper	
173	100		
175	49.7	23.4	70.3
254	0.1	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

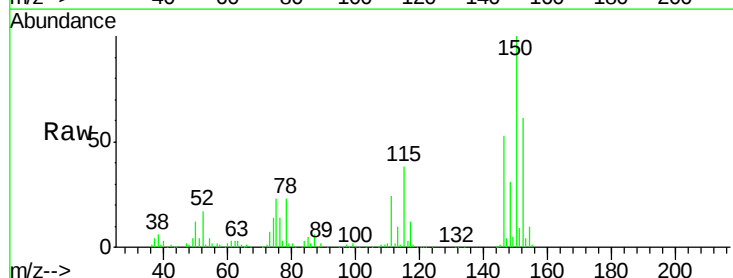
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

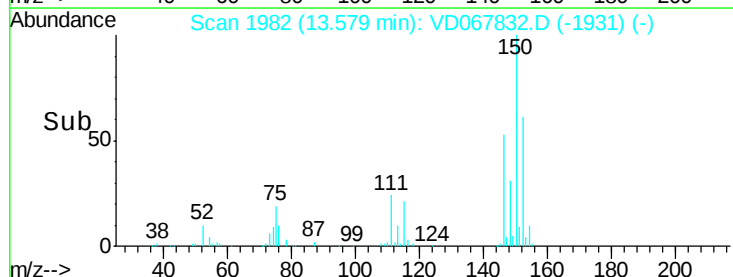
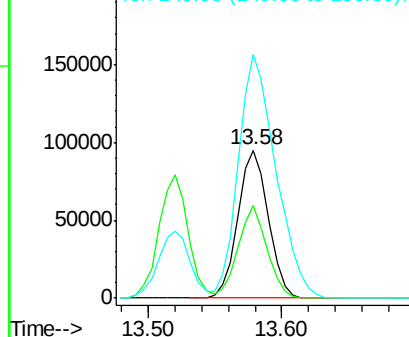
Lab File: VD067832.D

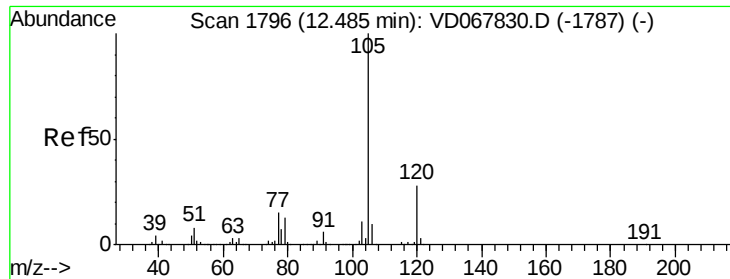
Acq: 01 Dec 2020 12:49

Tgt Ion:	152	Resp:	149288
Ion Ratio	Lower	Upper	
152	100		
115	59.4	29.1	87.4
150	204.4	0.0	339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





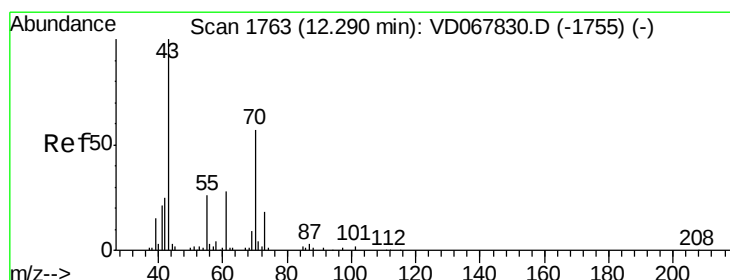
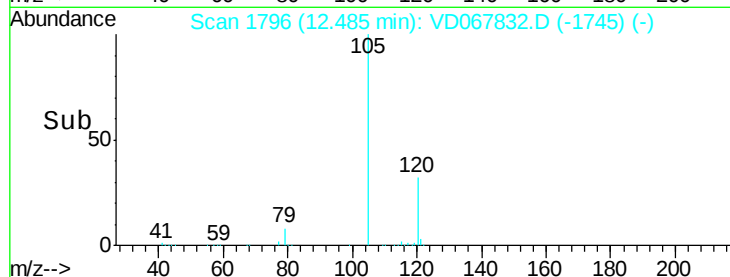
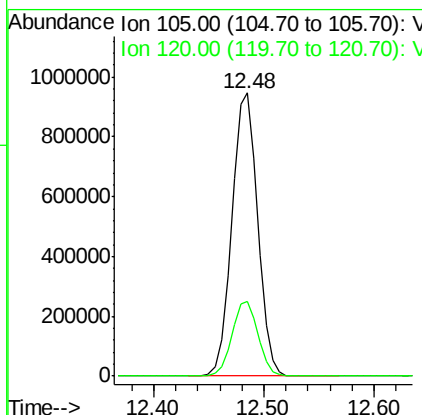
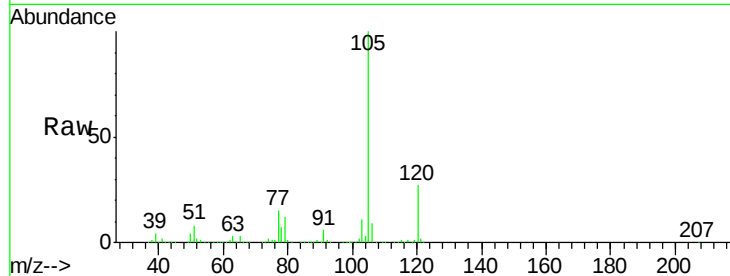
#73
Isopropylbenzene
Concen: 150.999 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1550233
Ion Ratio Lower Upper
105 100
120 26.6 13.9 41.6

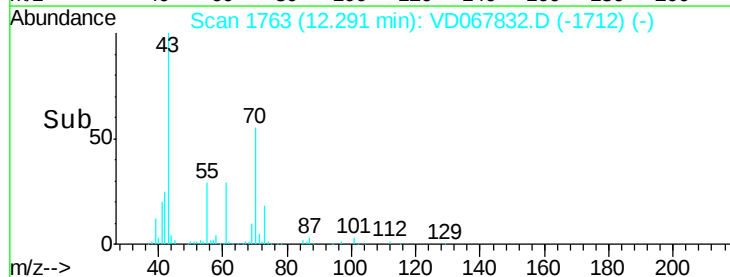
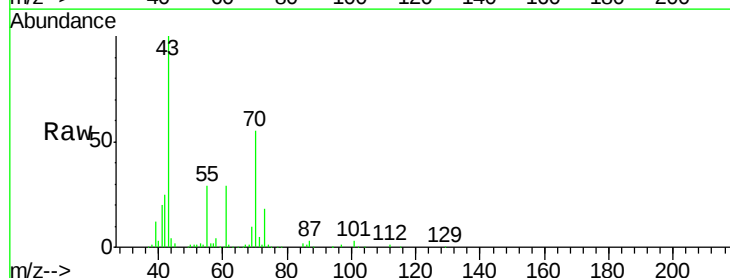
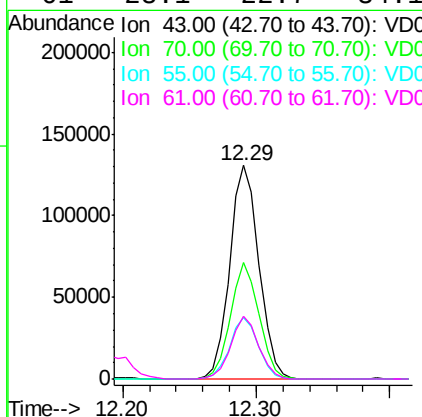
Manual Integrations
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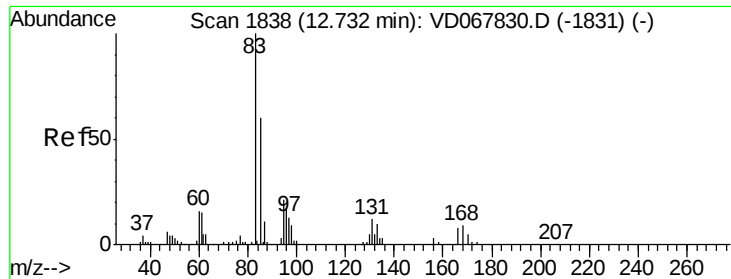
MMDadoda
12/2/2020 12:24:05 PM



#74
N-ethyl acetate
Concen: 156.826 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 43 Resp: 199156
Ion Ratio Lower Upper
43 100
70 53.4 44.6 66.8
55 28.5 22.2 33.2
61 28.1 22.7 34.1





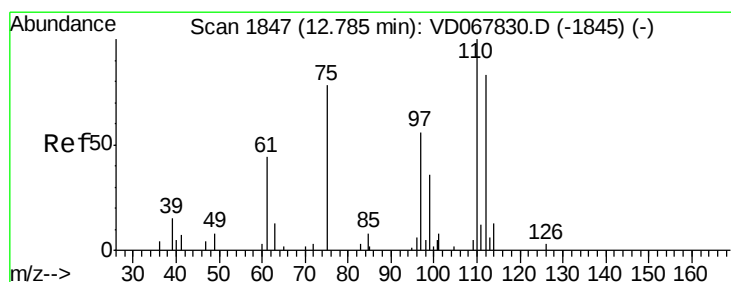
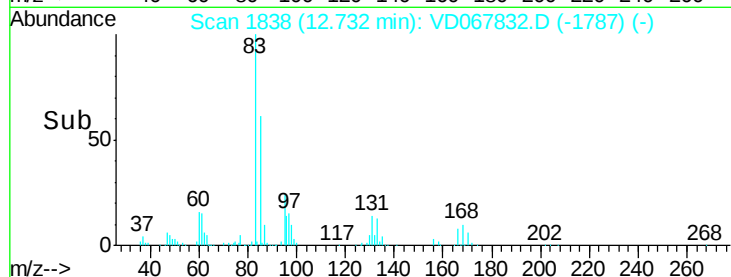
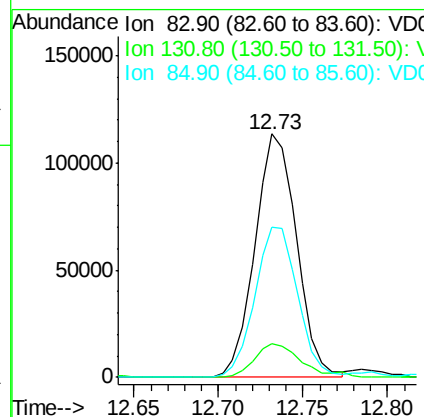
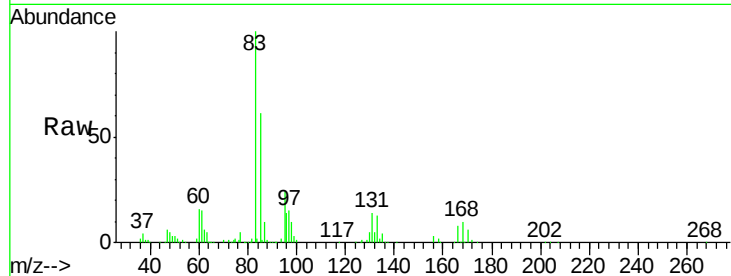
#75
 1,1,2,2-Tetrachloroethane
 Concen: 143.760 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194856		
131	15.4	8.0	24.0	
85	63.3	31.7	95.1	

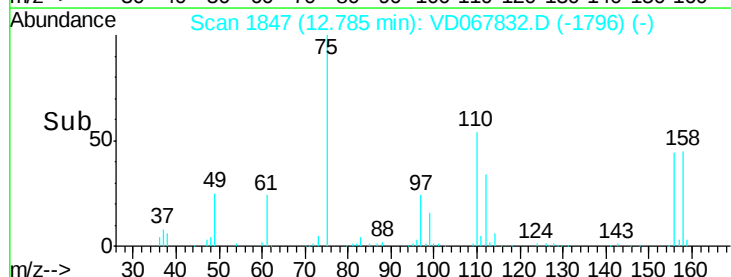
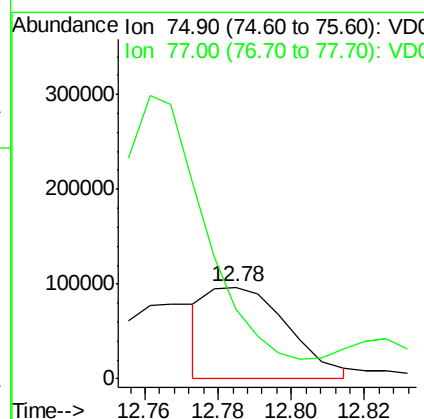
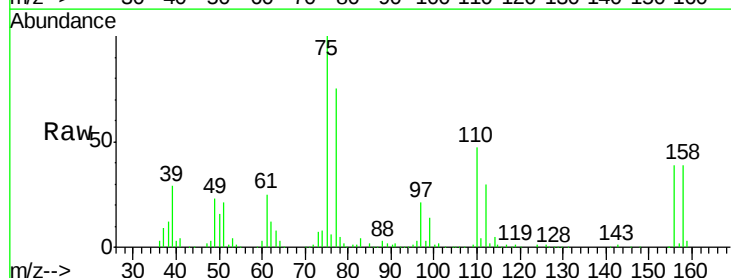
Manual Integrations
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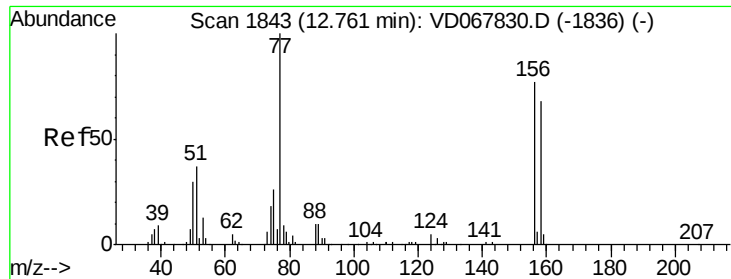
MMDadoda
 12/2/2020 12:24:05 PM



#76
 1,2,3-Trichloropropane
 Concen: 133.382 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148083		
77	0.0	175.9	527.7	





#77

Bromobenzene

Concen: 145.726 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

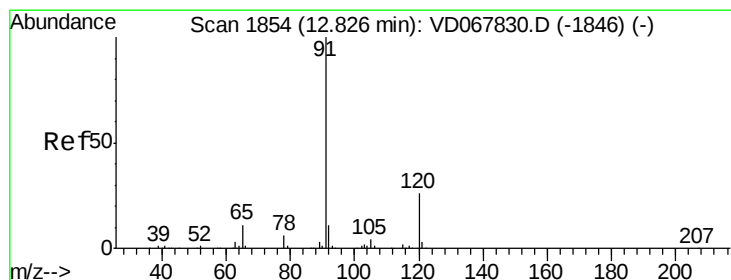
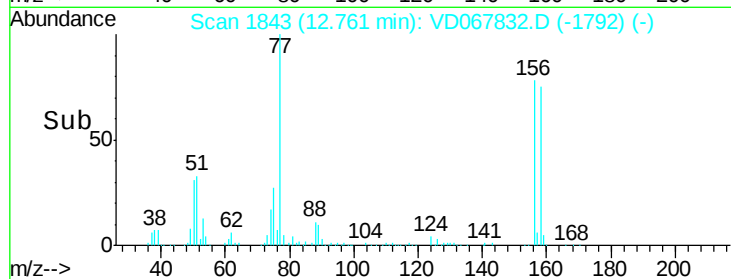
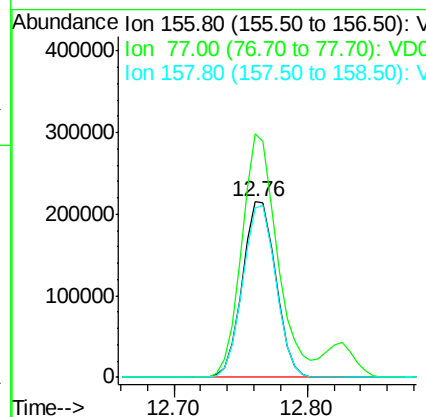
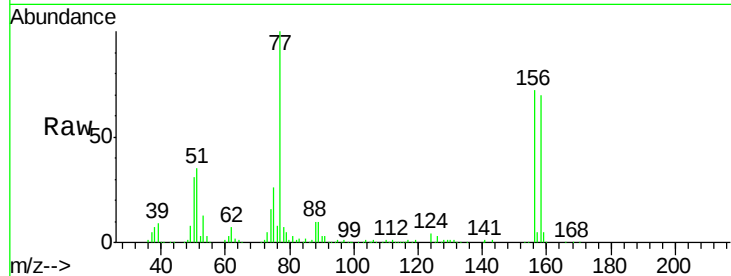
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.6	71.5	214.5
158	97.3	47.1	141.4

Manual Integrations
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#78

n-propylbenzene

Concen: 148.002 ug/l

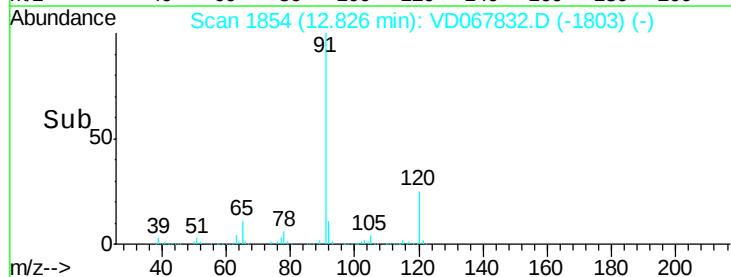
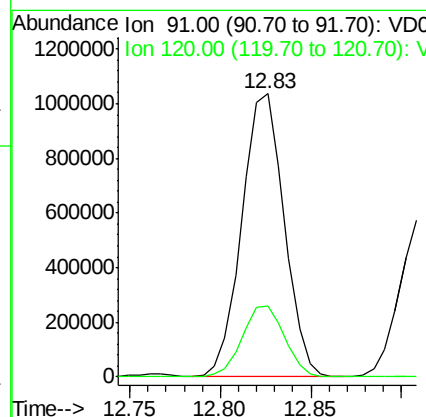
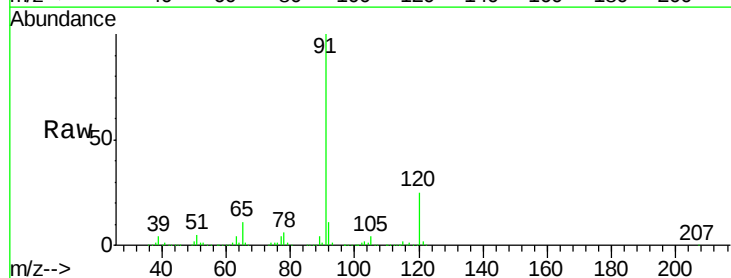
RT: 12.83 min Scan# 1854

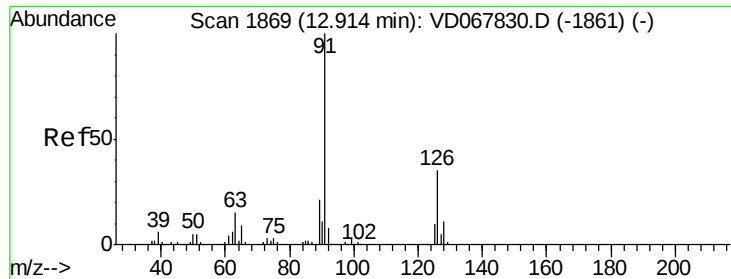
Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.7	38.0





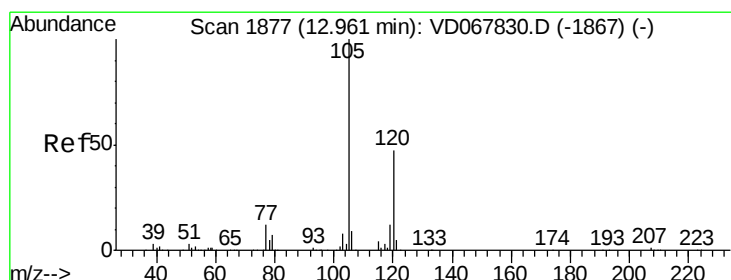
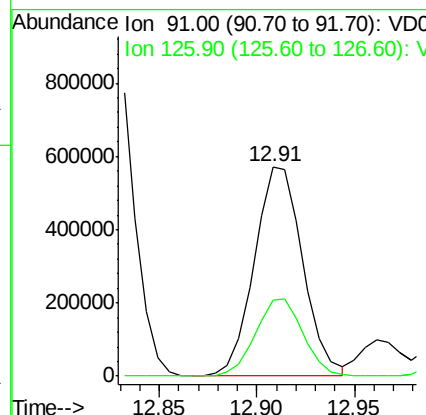
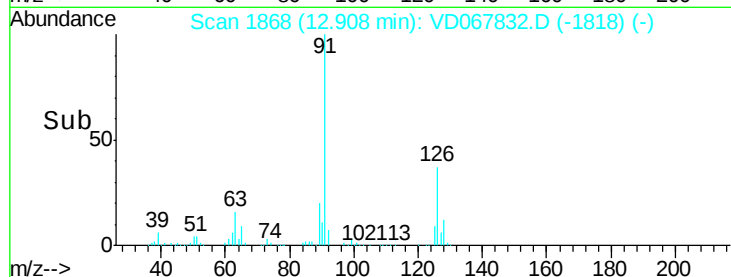
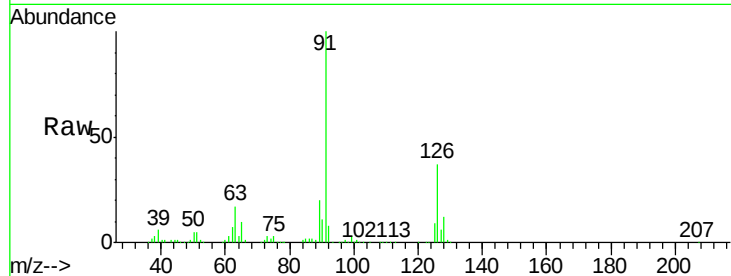
#79
 2-Chlorotoluene
 Concen: 146.326 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 979523
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.7

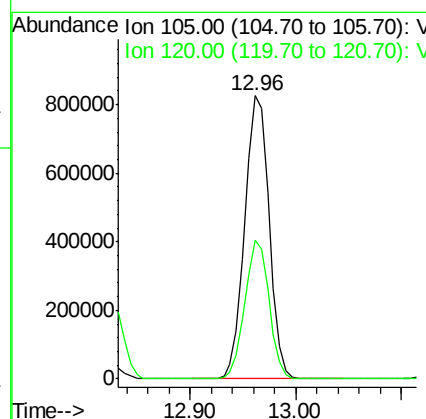
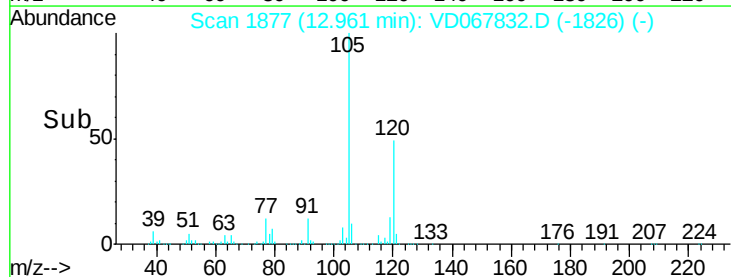
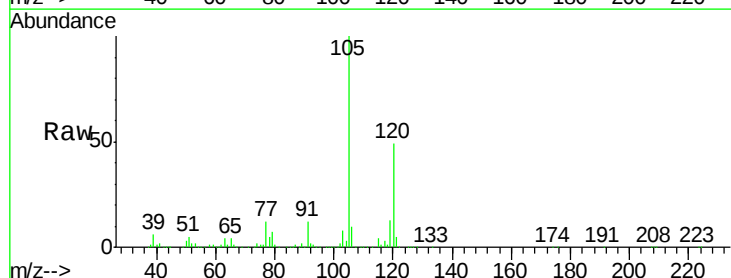
Manual Integrations
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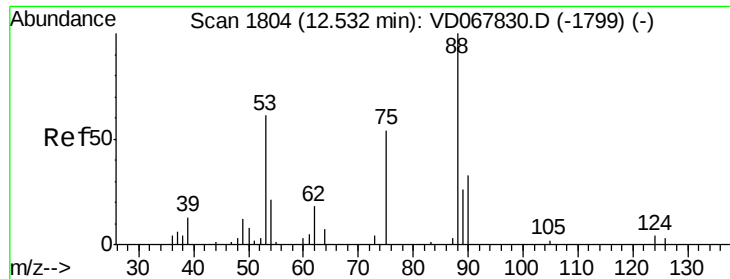
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 148.438 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 105 Resp: 1319428
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





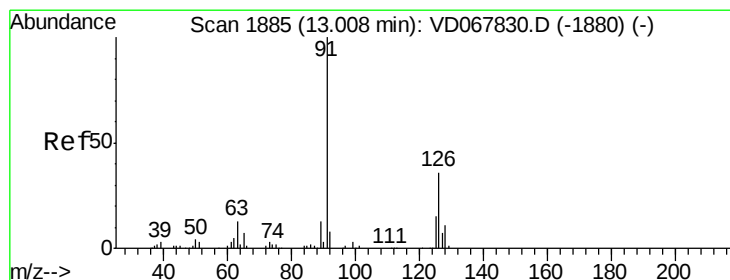
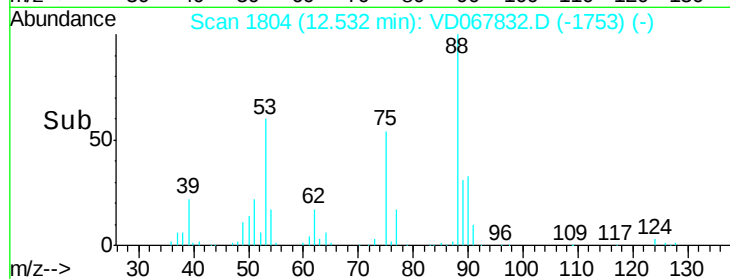
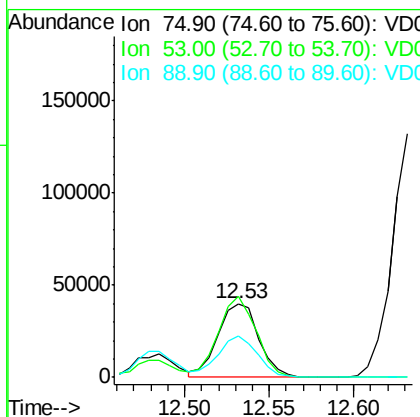
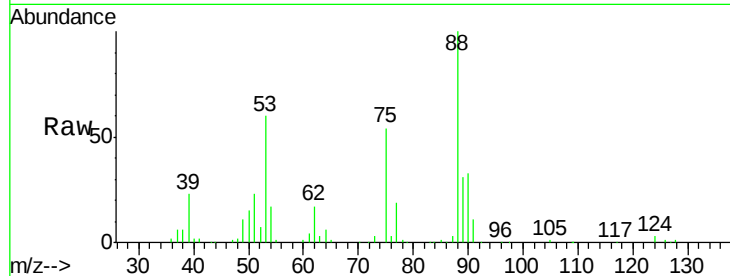
#81
trans-1,4-Dichloro-2-butene
Concen: 149.282 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	84.6	127.0
89	54.4	41.0	61.6

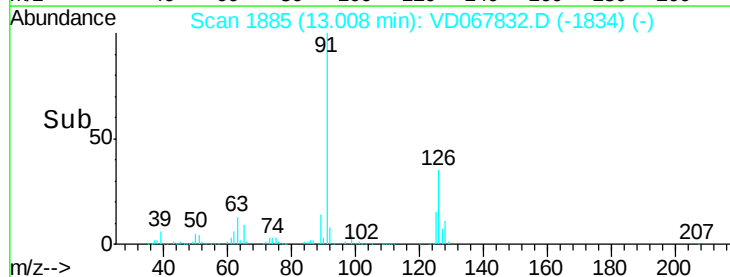
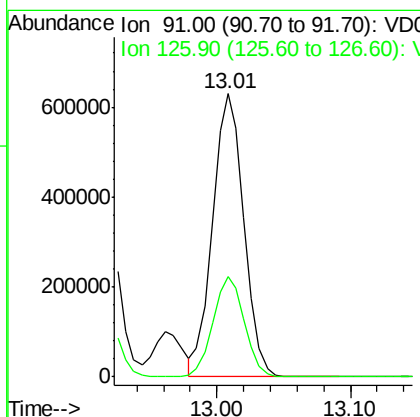
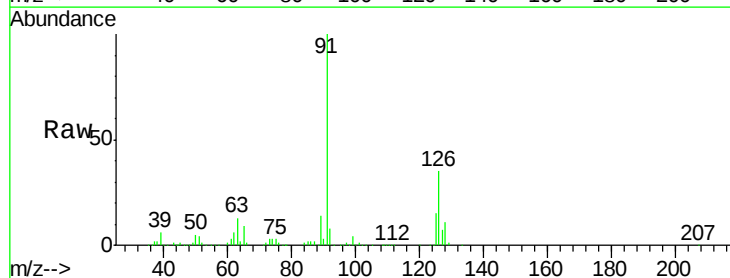
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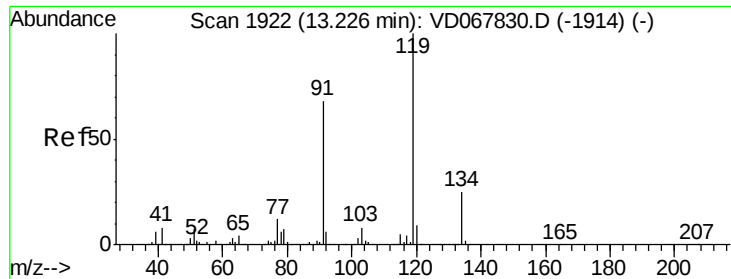
MMDadoda
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#82
4-Chlorotoluene
Concen: 144.455 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.1	54.4





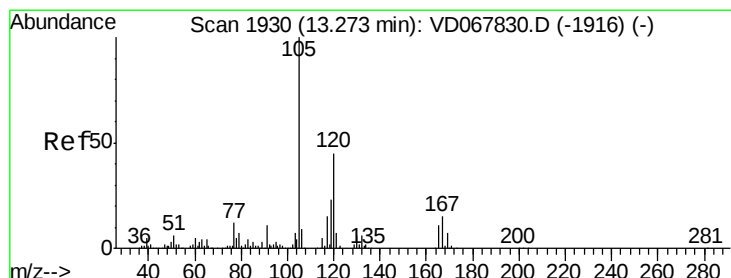
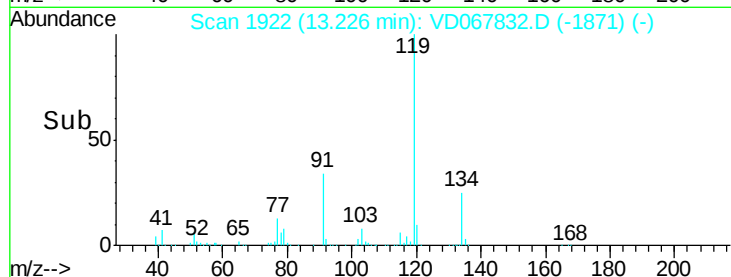
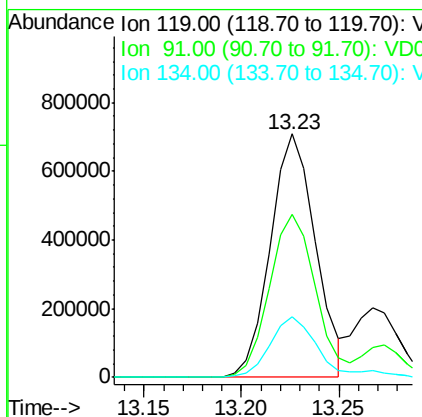
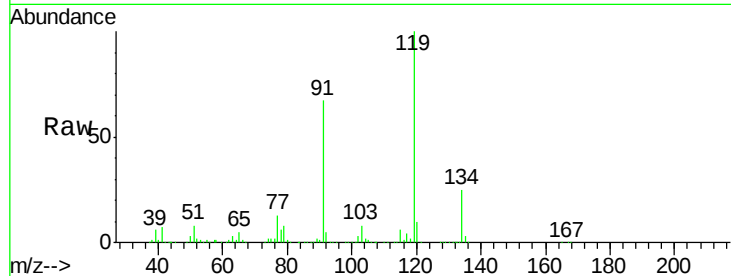
#83
tert-Butylbenzene
Concen: 150.215 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1136228
Ion Ratio Lower Upper
119 100
91 68.5 33.1 99.3
134 27.2 13.6 40.8

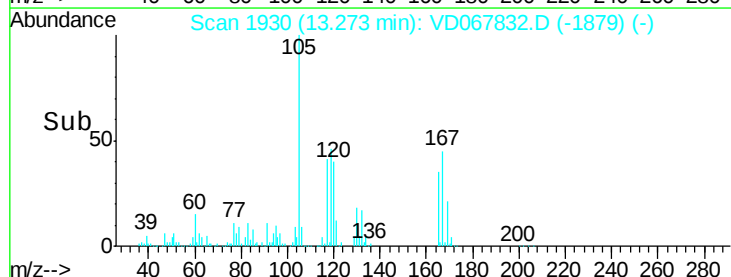
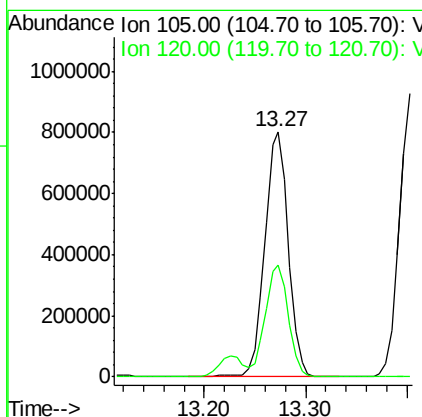
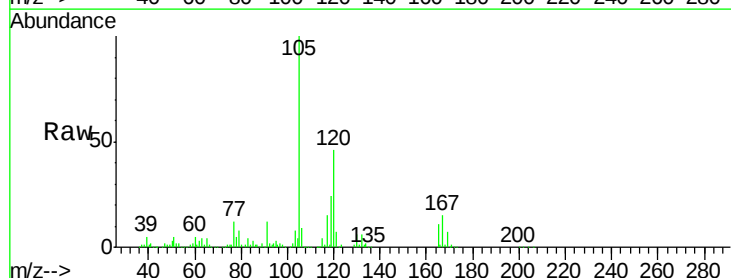
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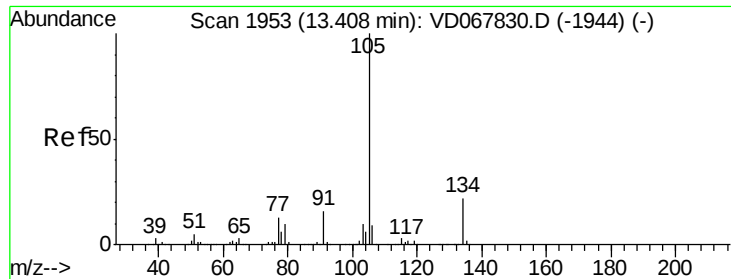
MMDadoda
12/2/2020 12:24:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 147.692 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:105 Resp: 1305442
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5





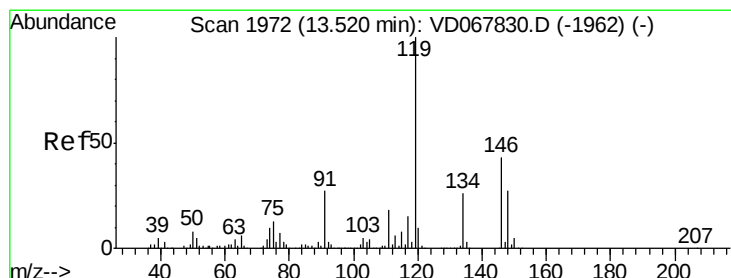
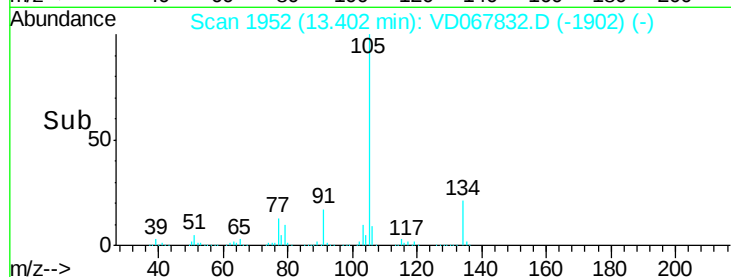
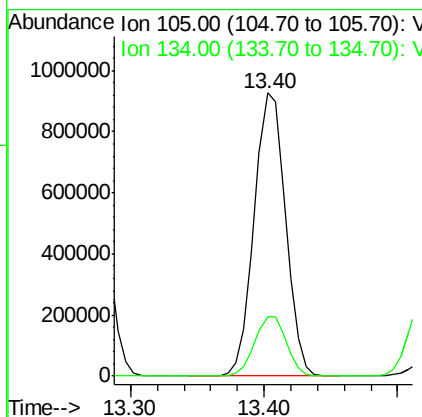
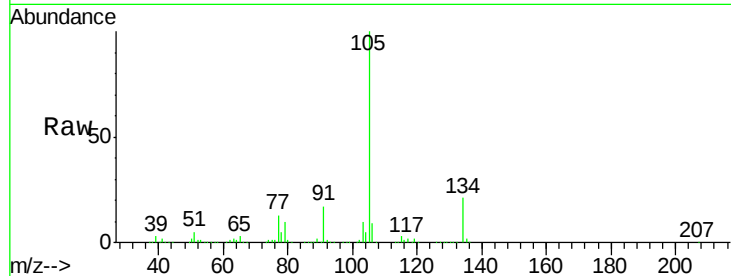
#85
 sec-Butylbenzene
 Concen: 149.094 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tot Ion:105 Resp: 1505196
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.9 32.9

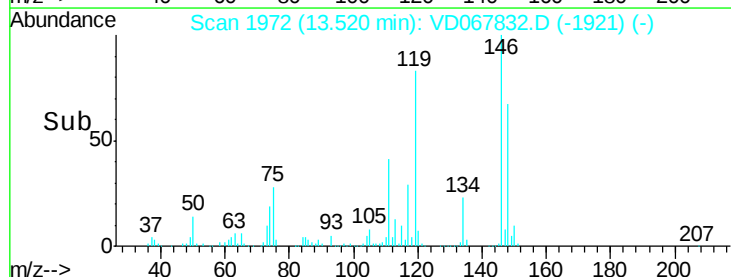
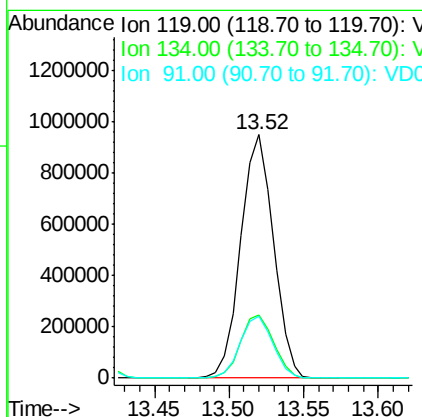
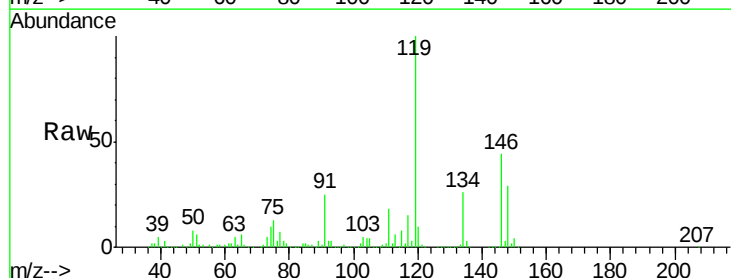
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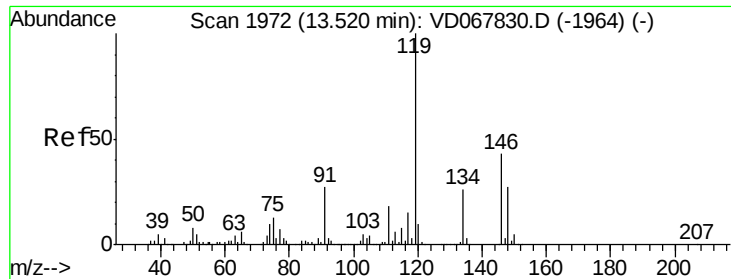
MMDadoda
 12/2/2020 12:24:05 PM



#86
 p-Isopropyltoluene
 Concen: 146.426 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion:119 Resp: 1448805
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 25.4 12.8 38.3





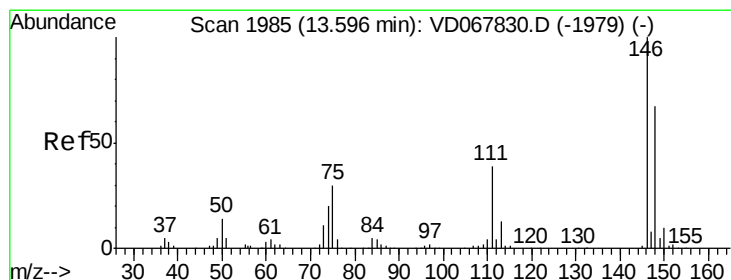
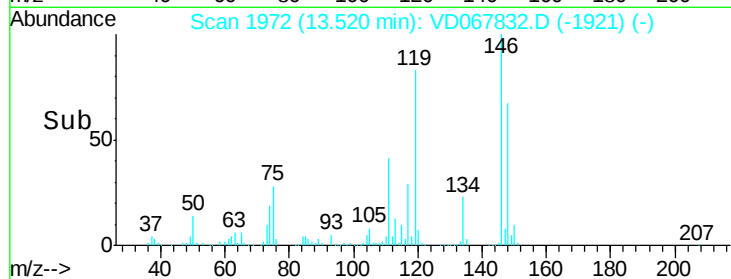
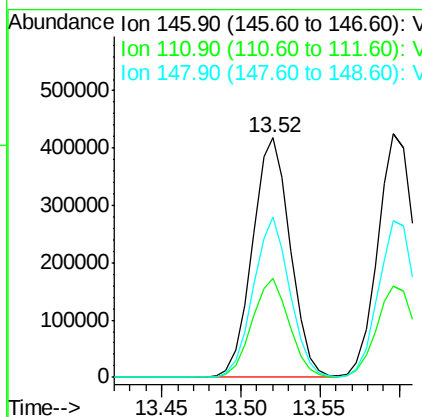
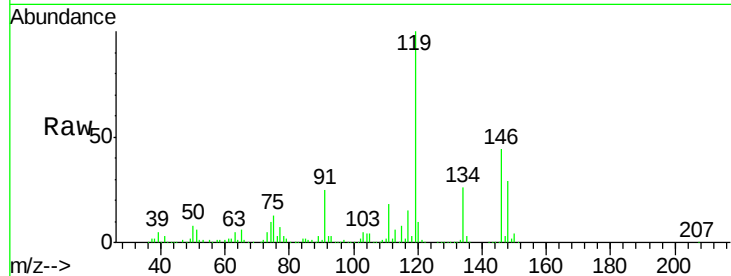
#87
 1,3-Dichlorobenzene
 Concen: 140.743 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	692941		
111	40.5	20.8	62.2	
148	64.4	32.9	98.6	

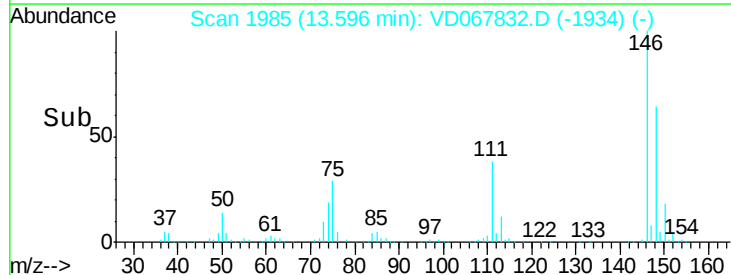
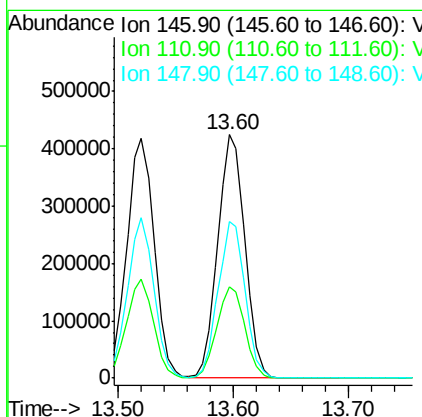
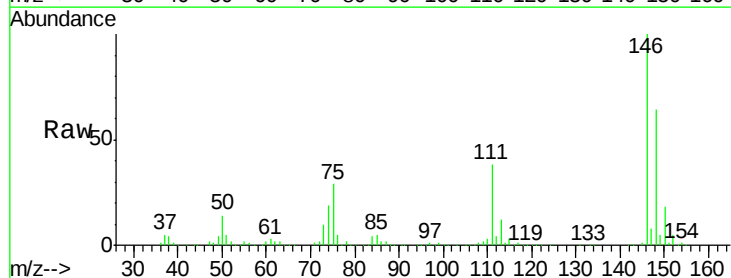
Manual Integrations
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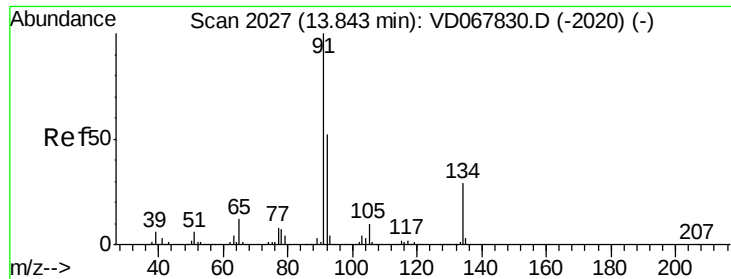
MMDadoda
 12/2/2020 12:24:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 140.363 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	691369		
111	38.2	19.9	59.6	
148	63.7	32.4	97.2	





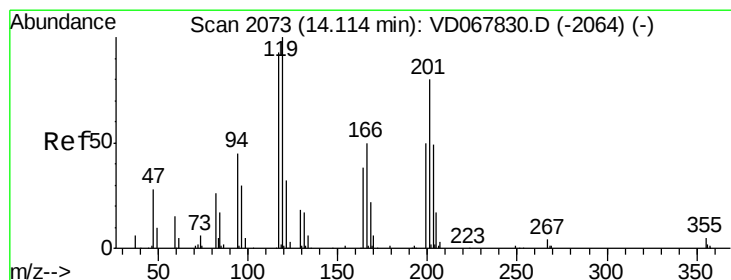
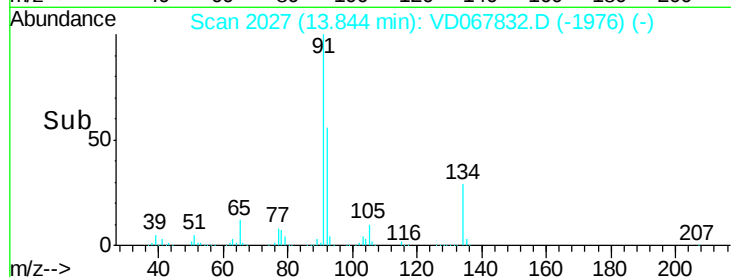
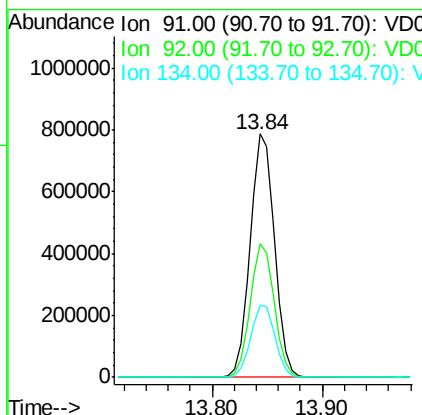
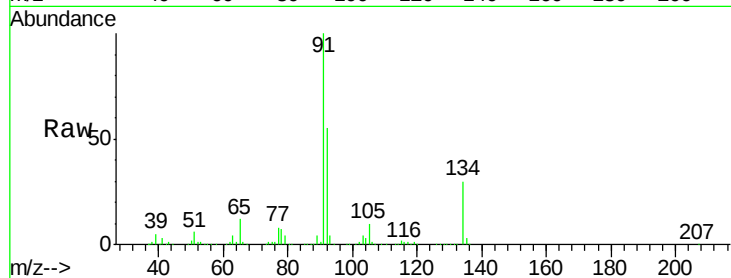
#89
n-Butylbenzene
Concen: 147.935 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1216055
Ion Ratio Lower Upper
91 100
92 54.2 26.3 78.8
134 29.8 14.8 44.3

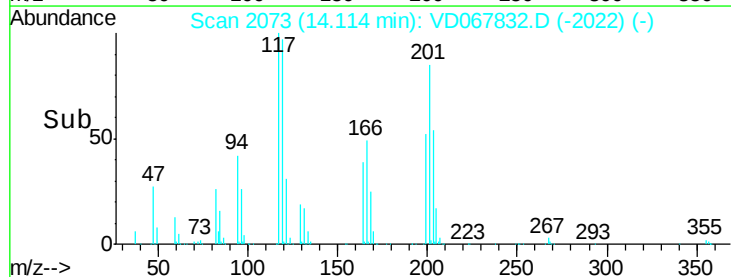
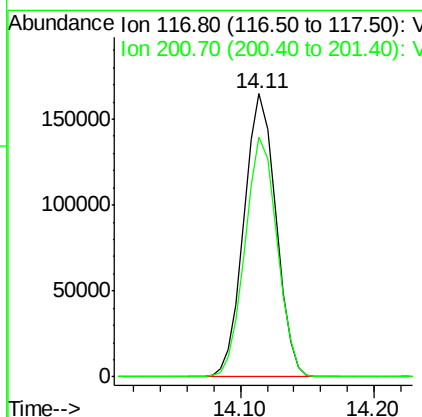
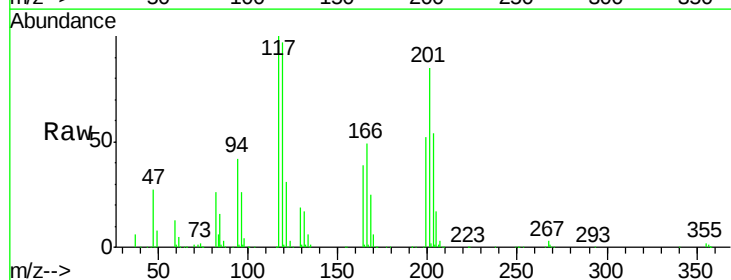
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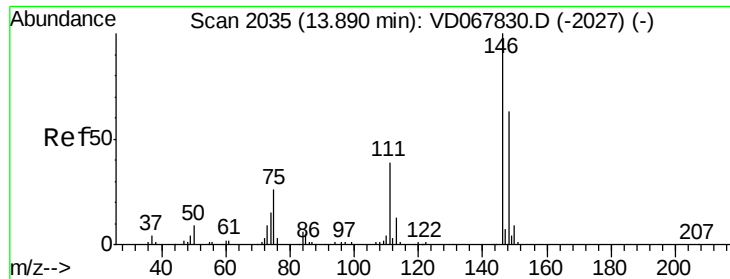
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#90
Hexachloroethane
Concen: 149.705 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 117 Resp: 273471
Ion Ratio Lower Upper
117 100
201 84.9 43.9 131.6





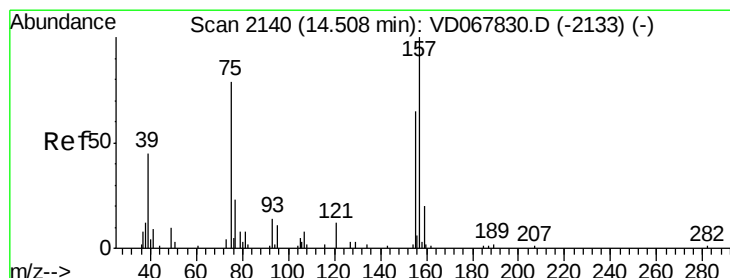
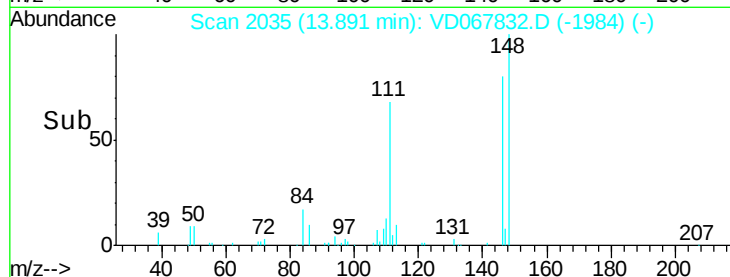
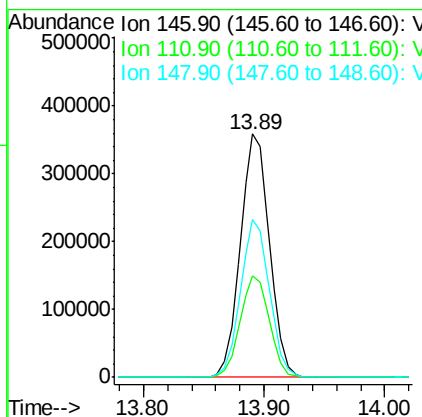
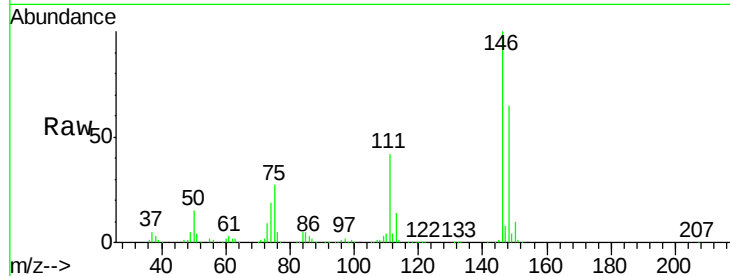
#91
1,2-Dichlorobenzene
Concen: 141.470 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	64.3	32.1	96.3

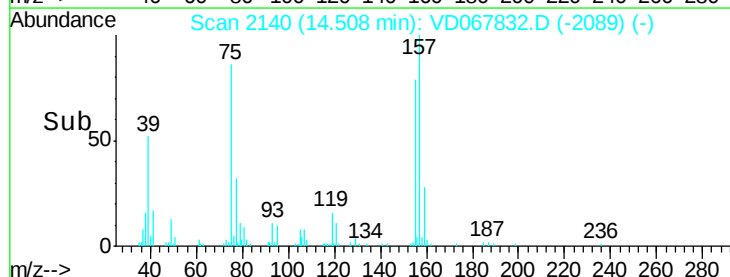
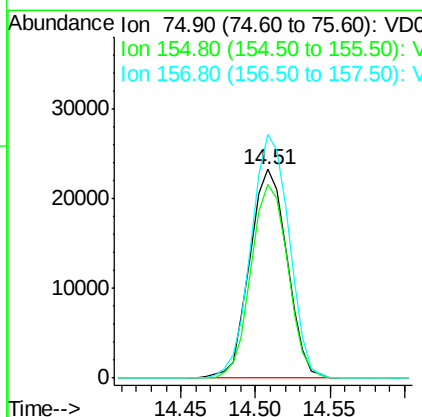
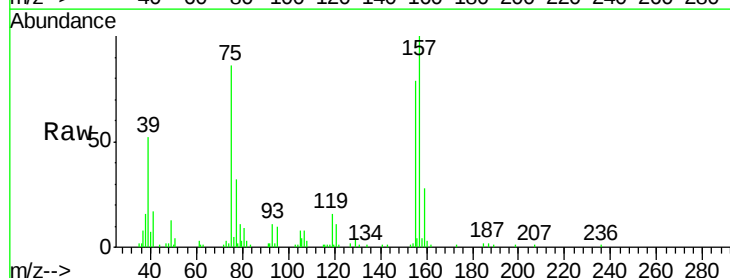
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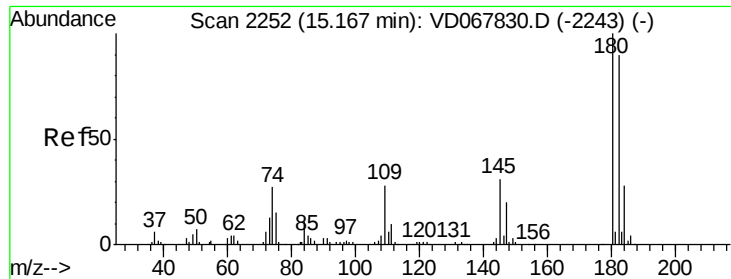
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#92
1,2-Dibromo-3-Chloropropane
Concen: 143.002 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	44.1	132.4
157	118.5	62.4	187.2





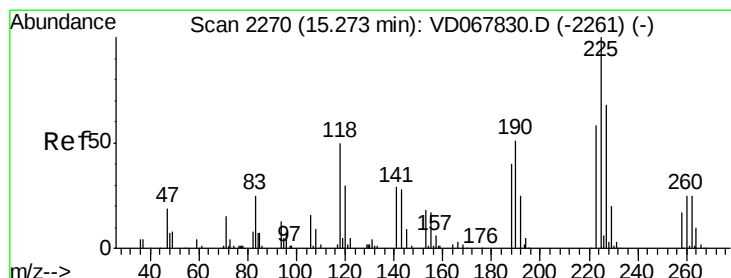
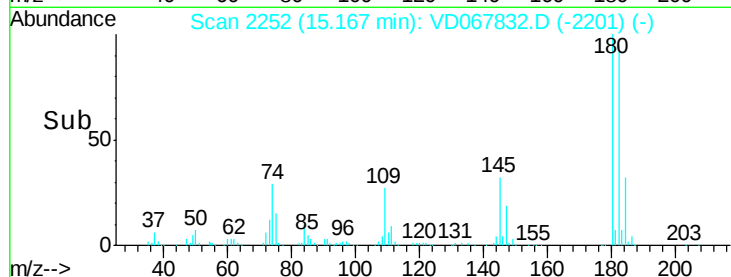
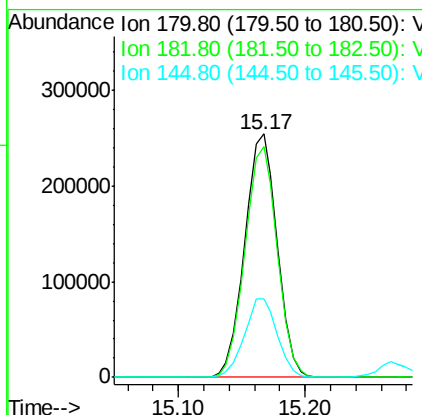
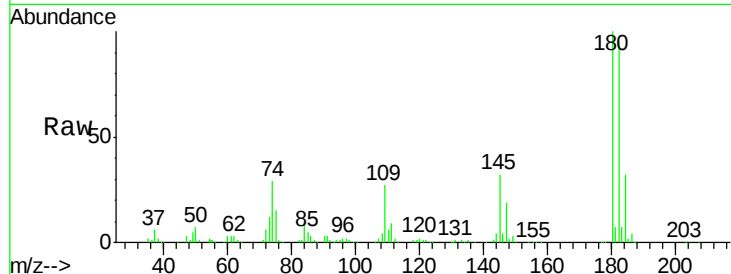
#93
 1,2,4-Trichlorobenzene
 Concen: 151.389 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	452189		
182	94.5	47.5	142.6	
145	32.6	16.4	49.4	

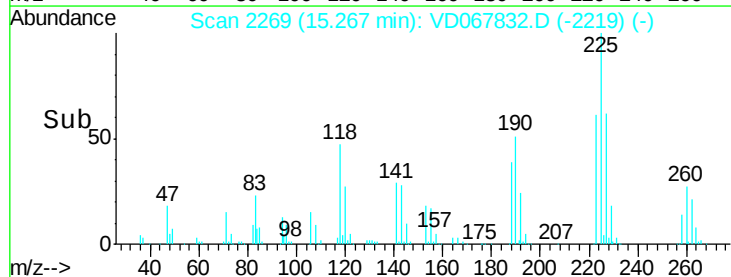
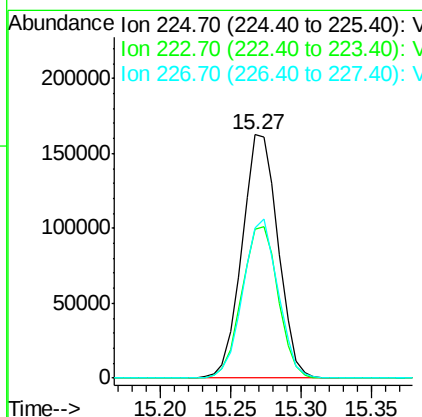
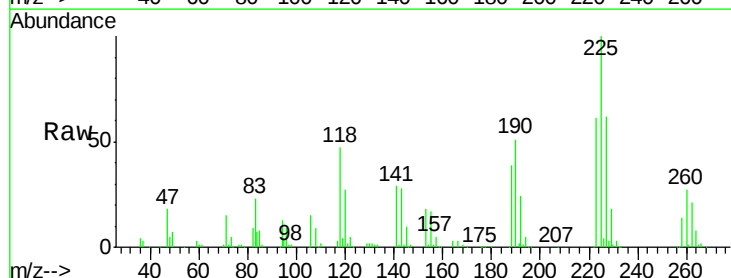
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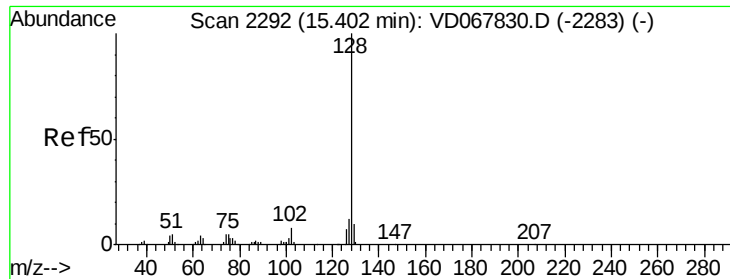
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#94
 Hexachlorobutadiene
 Concen: 149.015 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	290438		
223	62.8	31.1	93.3	
227	63.5	33.1	99.3	





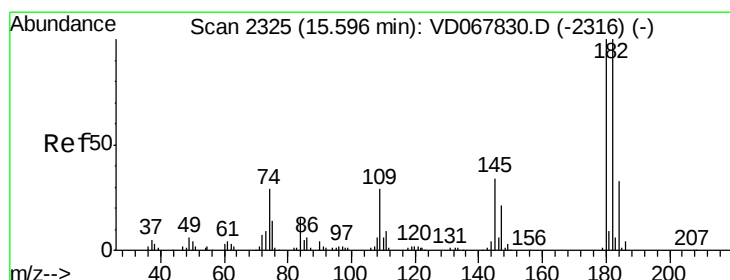
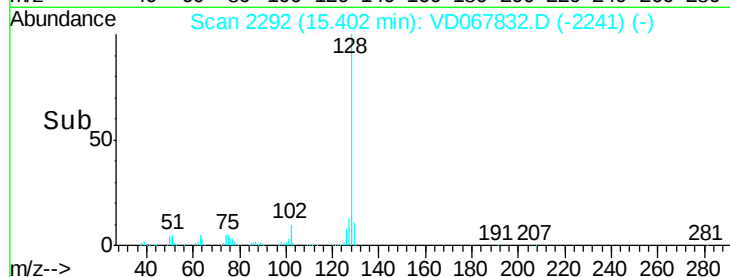
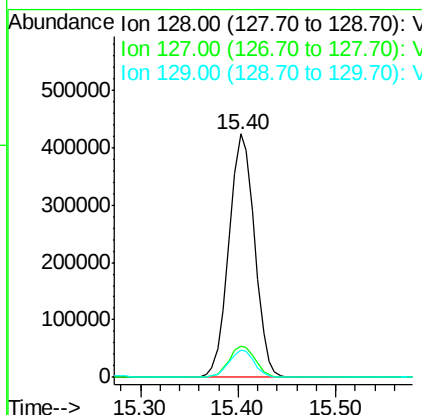
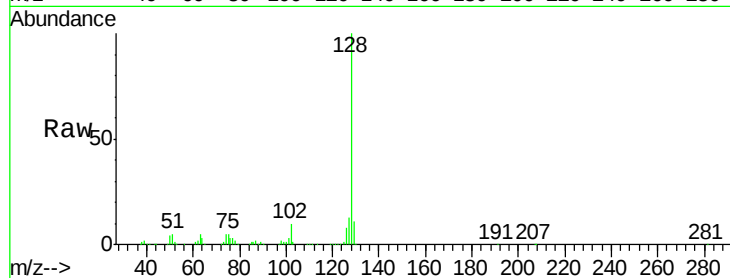
#95
Naphthalene
Concen: 158.790 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 150.462 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	34.1	16.8	50.4

