

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067831.D
 Acq On : 01 Dec 2020 12:22
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:03 PM

Quant Time: Dec 02 04:06:11 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	7.98	168	240085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246859	95.78	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.56%#
35) Dibromofluoromethane	7.92	113	223131	99.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	198.00%#
50) Toluene-d8	10.34	98	810908	99.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	199.88%#
62) 4-Bromofluorobenzene	12.64	95	279689	99.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	199.42%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	203641	97.464	ug/l	96
3) Chloromethane	2.21	50	114668	95.095	ug/l	97
4) Vinyl Chloride	2.35	62	146535	96.490	ug/l	97
5) Bromomethane	2.76	94	125134	92.302	ug/l	97
6) Chloroethane	2.92	64	97295	98.400	ug/l	99
7) Trichlorofluoromethane	3.27	101	432882	93.152	ug/l	98
8) Diethyl Ether	3.71	74	86300	95.281	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	202907	95.753	ug/l	99
10) Methyl Iodide	4.30	142	250400	111.482	ug/l	98
11) Tert butyl alcohol	5.23	59	56407	282.743	ug/l	100
12) 1,1-Dichloroethene	4.07	96	190251	95.630	ug/l	97
13) Acrolein	3.93	56	49155	549.895	ug/l	94
14) Allyl chloride	4.72	41	188553	102.449	ug/l	98
15) Acrylonitrile	5.42	53	148276	472.124	ug/l	98
16) Acetone	4.16	43	149076	473.146	ug/l	94
17) Carbon Disulfide	4.41	76	529526	95.332	ug/l	97
18) Methyl Acetate	4.72	43	56073	86.551	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	435838	102.309	ug/l	96
20) Methylene Chloride	4.97	84	194279	80.311	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	213284	94.213	ug/l	98
22) Diisopropyl ether	6.37	45	350239	94.617	ug/l	96
23) Vinyl Acetate	6.31	43	1087140	527.922	ug/l	98
24) 1,1-Dichloroethane	6.27	63	305431	94.128	ug/l	98
25) 2-Butanone	7.21	43	160484	479.073	ug/l	98
26) 2,2-Dichloropropane	7.21	77	371467	96.002	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	236494	95.509	ug/l	98
28) Bromochloromethane	7.56	49	103322	100.290	ug/l	97
29) Tetrahydrofuran	7.57	42	93446	532.895	ug/l	99
30) Chloroform	7.71	83	401571	92.605	ug/l	100
31) Cyclohexane	7.98	56	241618	88.979	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	434498	94.920	ug/l	99
36) 1,1-Dichloropropene	8.11	75	286468	98.242	ug/l	99
37) Ethyl Acetate	7.29	43	74007	108.691	ug/l	97
38) Carbon Tetrachloride	8.10	117	424270	96.164	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	343561	99.423	ug/l	97
40) Benzene	8.36	78	756812	94.852	ug/l	98
41) Methacrylonitrile	7.53	41	34057m	89.130	ug/l	
42) 1,2-Dichloroethane	8.43	62	274083	96.382	ug/l	100
43) Isopropyl Acetate	8.46	43	153335	99.160	ug/l	99
44) Trichloroethene	9.11	130	261878	95.463	ug/l	99
45) 1,2-Dichloropropane	9.39	63	158414	96.735	ug/l	93
46) Dibromomethane	9.48	93	110656	97.187	ug/l	98
47) Bromodichloromethane	9.67	83	308708	95.105	ug/l	98
48) Methyl methacrylate	9.46	41	80704	102.781	ug/l	94
49) 1,4-Dioxane	9.47	88	23616	1815.194	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	356248	486.770	ug/l	100
52) Toluene	10.41	92	533792	95.688	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273842	97.743	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	301751	99.017	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	144702	92.866	ug/l	98
56) Ethyl methacrylate	10.67	69	158013	99.670	ug/l	99
57) 1,3-Dichloropropane	10.95	76	228838	92.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381160	528.364	ug/l	99
59) 2-Hexanone	10.99	43	252783	489.963	ug/l	100
60) Dibromochloromethane	11.14	129	225885	96.169	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145196	94.757	ug/l	99
64) Tetrachloroethene	10.88	164	226897	90.615	ug/l	95
65) Chlorobenzene	11.67	112	597523	94.334	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	246471	95.403	ug/l	95
67) Ethyl Benzene	11.75	91	1044060	96.760	ug/l	98
68) m/p-Xylenes	11.86	106	816414	191.886	ug/l	99
69) o-Xylene	12.18	106	372958	98.740	ug/l	99
70) Styrene	12.20	104	638406	97.200	ug/l	99
71) Bromoform	12.36	173	130609	95.507	ug/l	# 98
73) Isopropylbenzene	12.48	105	1062282	99.830	ug/l	98
74) N-amyl acetate	12.29	43	134642	102.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	129400	92.109	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	101710m	88.389	ug/l	
77) Bromobenzene	12.76	156	257844	97.469	ug/l	97
78) n-propylbenzene	12.83	91	1166364	98.896	ug/l	99
79) 2-Chlorotoluene	12.91	91	680250	98.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	921026	99.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46724	99.190	ug/l	99
82) 4-Chlorotoluene	13.01	91	727100	98.241	ug/l	98
83) tert-Butylbenzene	13.23	119	785498	100.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	912324	99.585	ug/l	100
85) sec-Butylbenzene	13.40	105	1030364	98.469	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013449	98.822	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	481336	94.324	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	479996	94.021	ug/l	100
89) n-Butylbenzene	13.84	91	846685	99.376	ug/l	99
90) Hexachloroethane	14.11	117	188652	99.639	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	422044	95.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28722	97.963	ug/l	95

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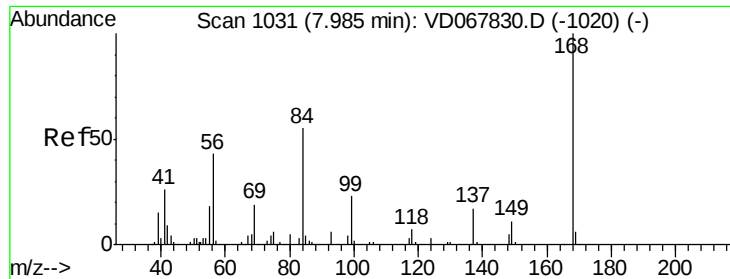
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	314667	101.642	ug/l	100
94) Hexachlorobutadiene	15.27	225	202216	100.100	ug/l	98
95) Naphthalene	15.40	128	528460	104.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	268810	100.545	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 240085

Ion Ratio Lower Upper

168 100

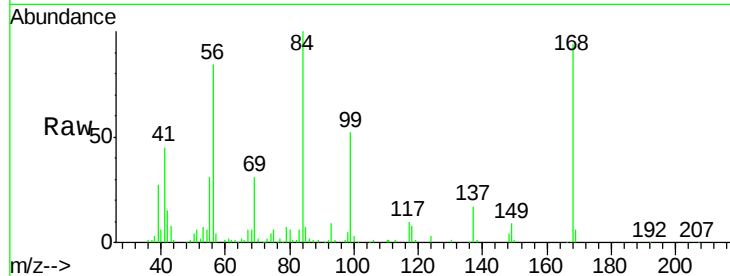
99 54.9 47.1 70.7

Manual Integrations

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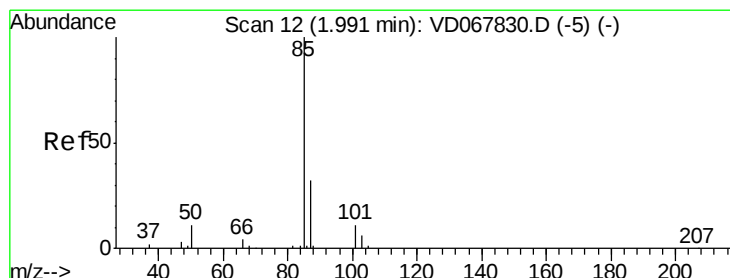
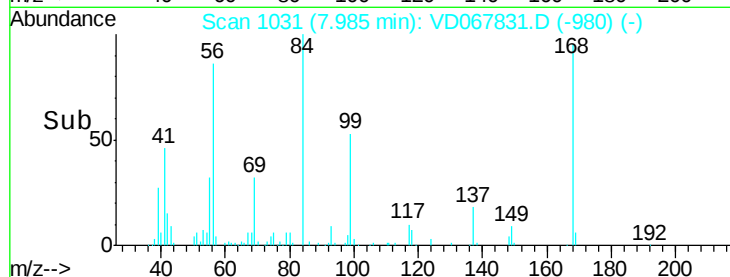
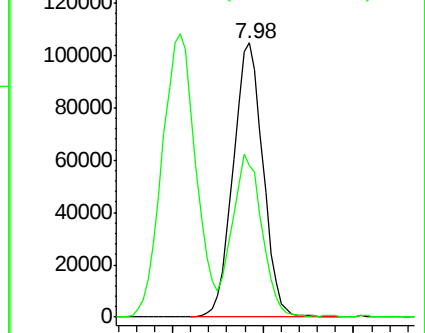
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 97.464 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067831.D

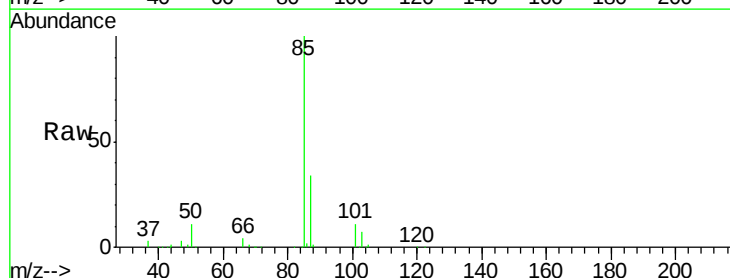
Acq: 01 Dec 2020 12:22

Tgt Ion: 85 Resp: 203641

Ion Ratio Lower Upper

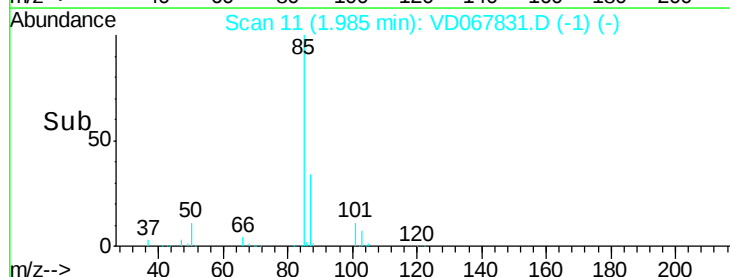
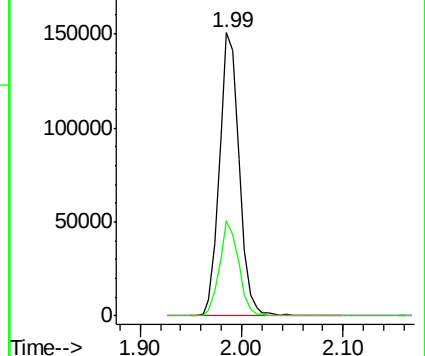
85 100

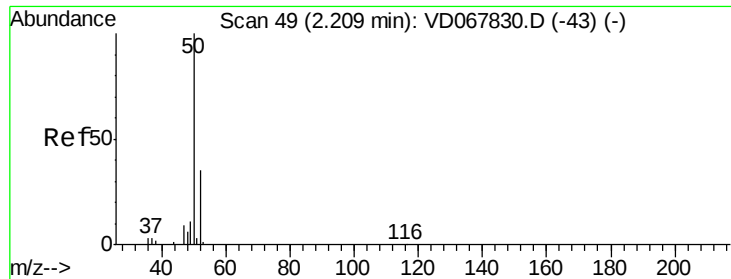
87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 95.095 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 114668

Ion Ratio Lower Upper

50 100

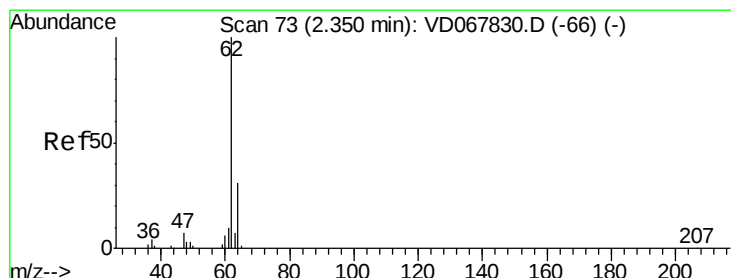
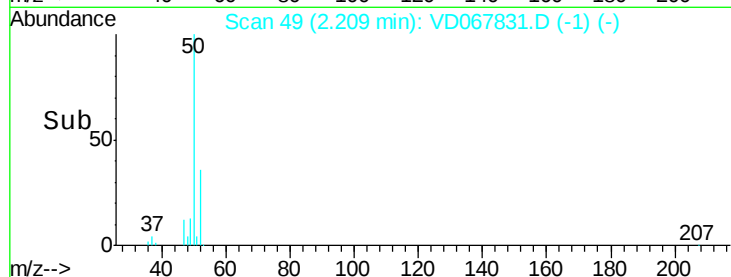
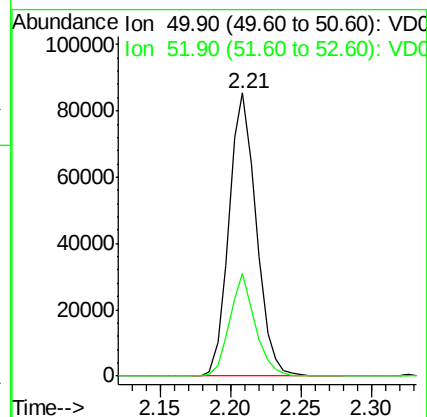
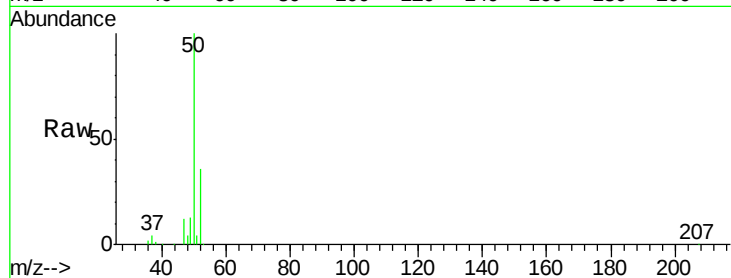
52 36.4 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.490 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067831.D

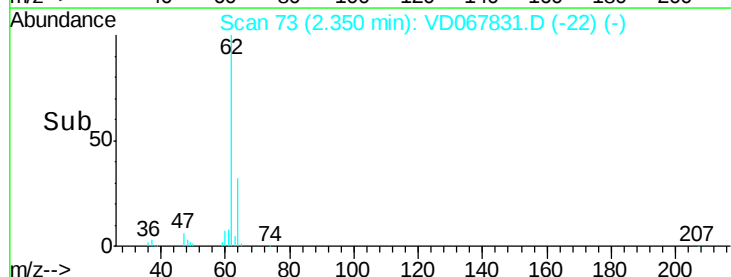
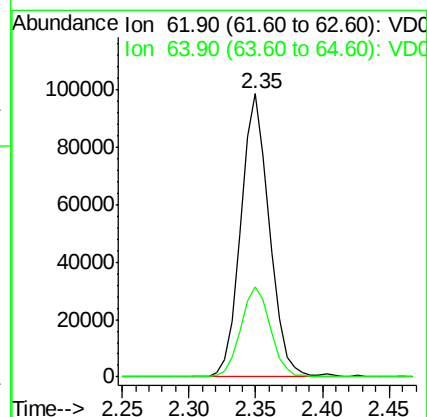
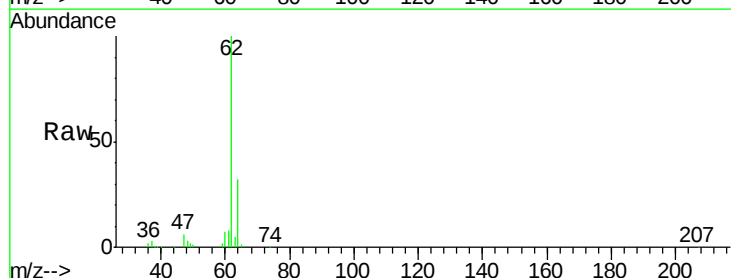
Acq: 01 Dec 2020 12:22

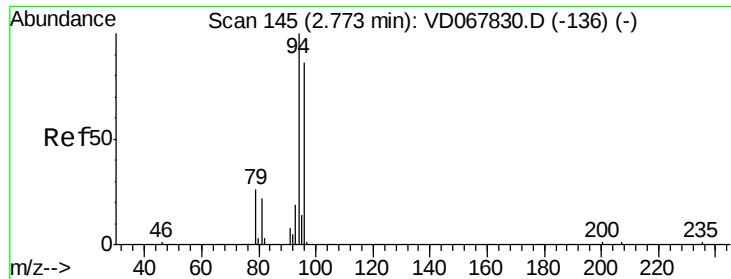
Tgt Ion: 62 Resp: 146535

Ion Ratio Lower Upper

62 100

64 32.0 24.5 36.7





#5

Bromomethane

Concen: 92.302 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 125134

Ion Ratio Lower Upper

94 100

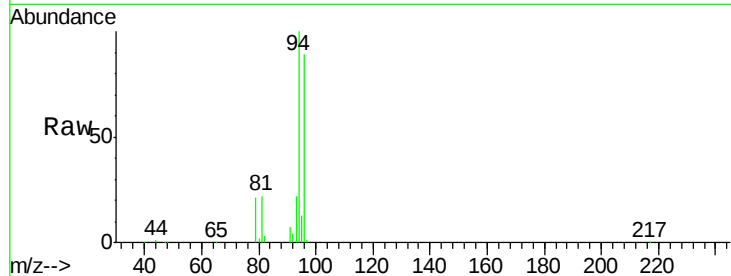
96 89.0 68.7 103.1

Manual Integrations

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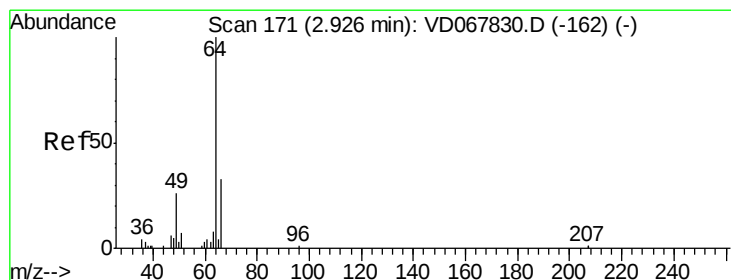
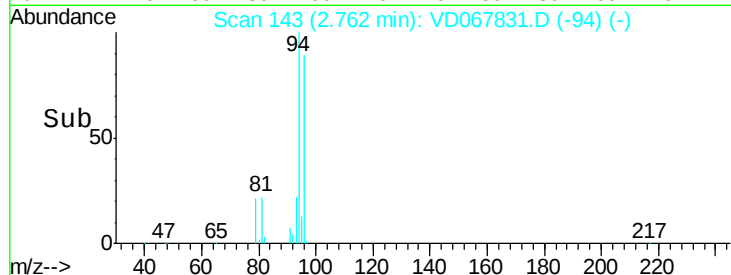
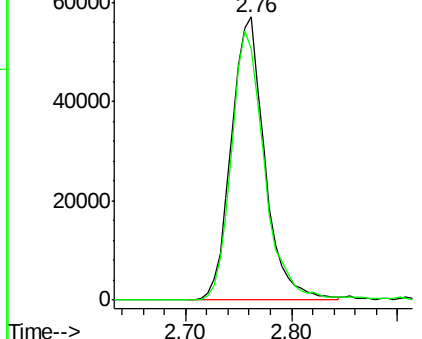
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 98.400 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067831.D

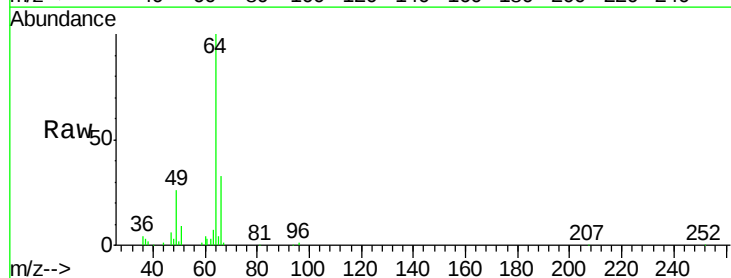
Acq: 01 Dec 2020 12:22

Tgt Ion: 64 Resp: 97295

Ion Ratio Lower Upper

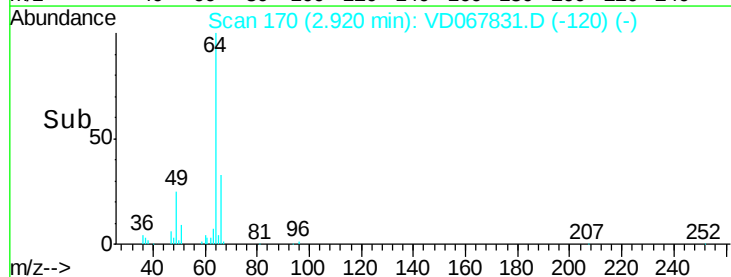
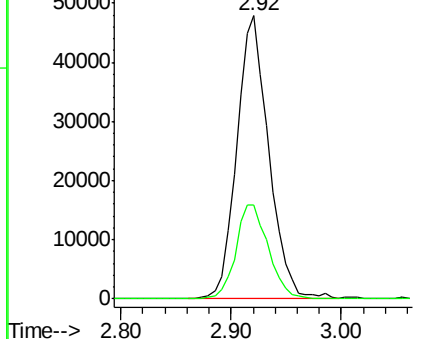
64 100

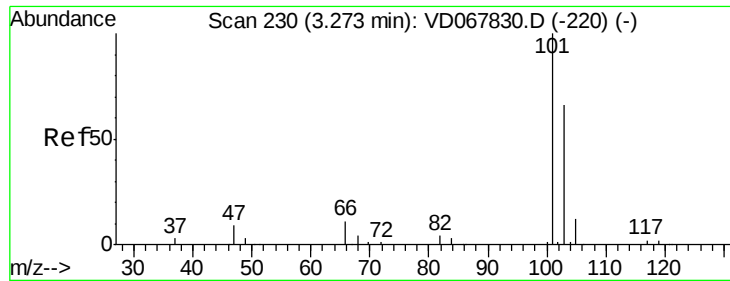
66 33.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

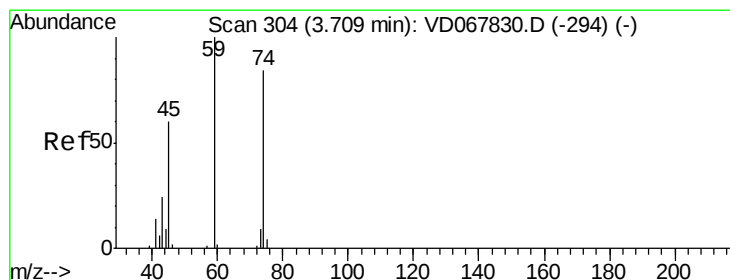
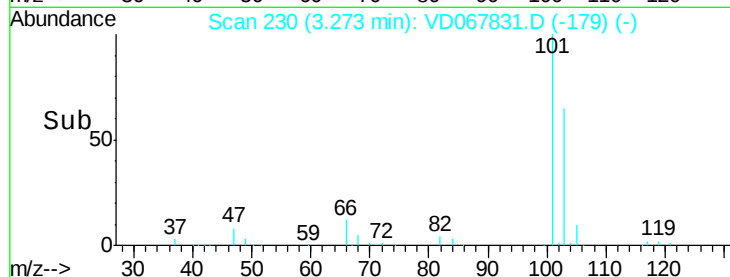
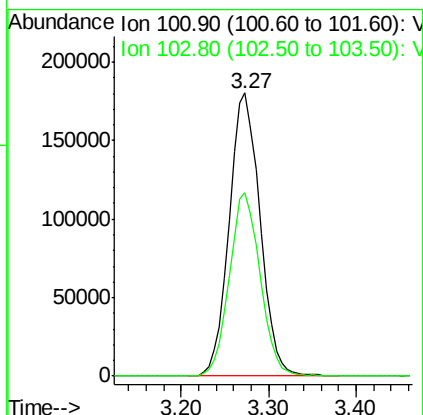
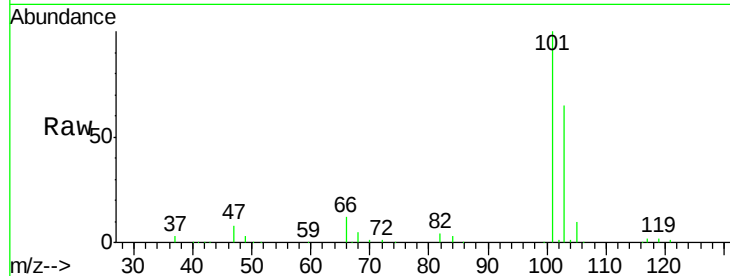
Trichlorofluoromethane
Concen: 93.152 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
432882	101	100			
	103	64.6	53.0	79.6	

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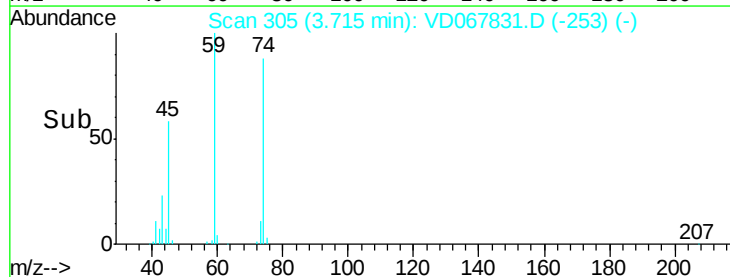
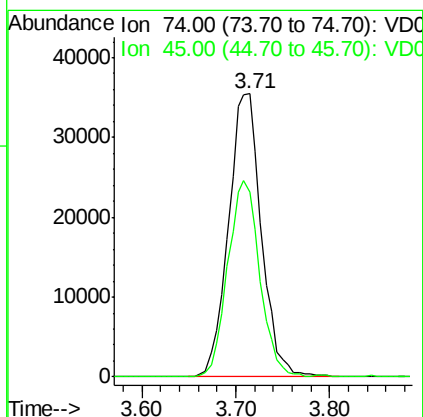
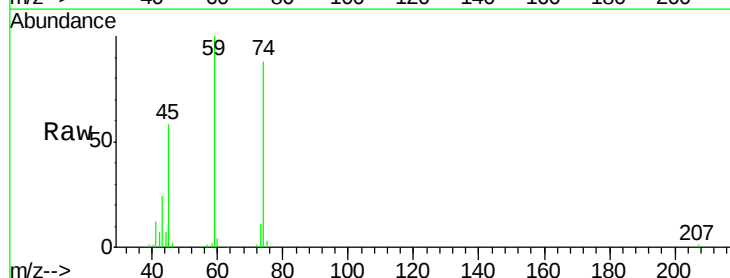
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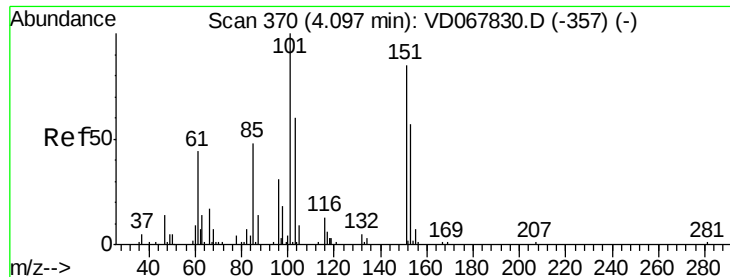


#8

Diethyl Ether
Concen: 95.281 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
86300	74	100			
	45	67.2	33.9	101.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.753 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

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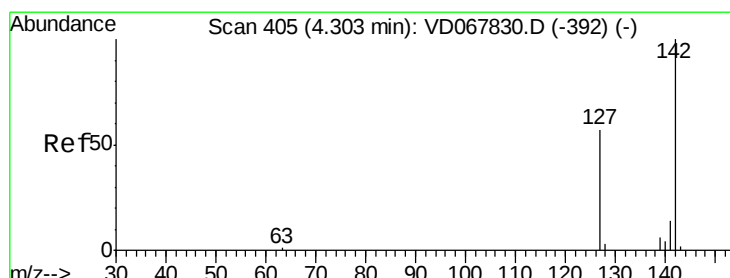
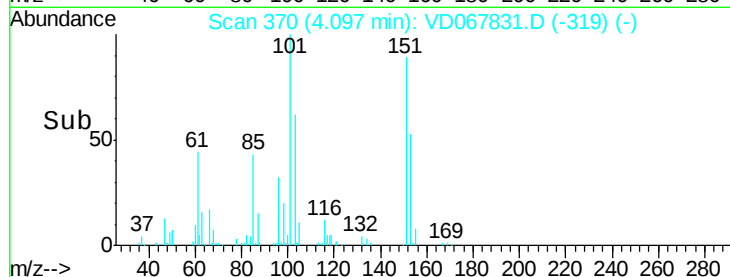
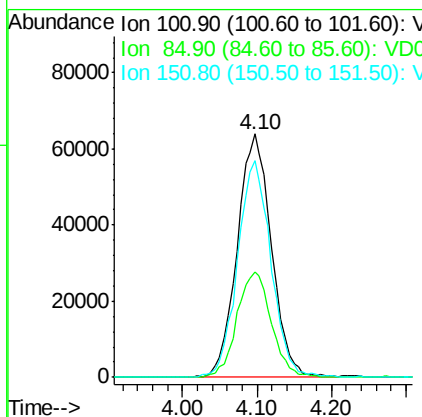
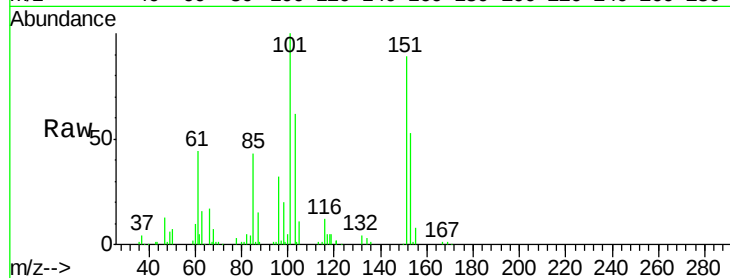
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	202907
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.2	54.4
151	87.2	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 111.482 ug/l

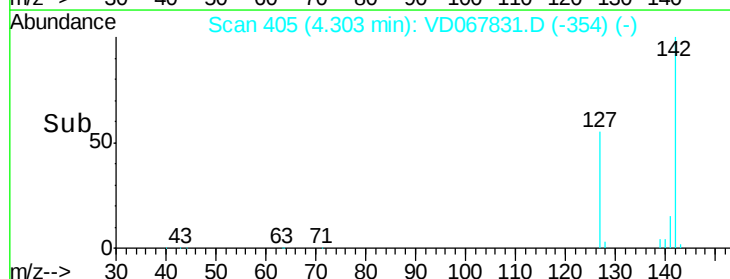
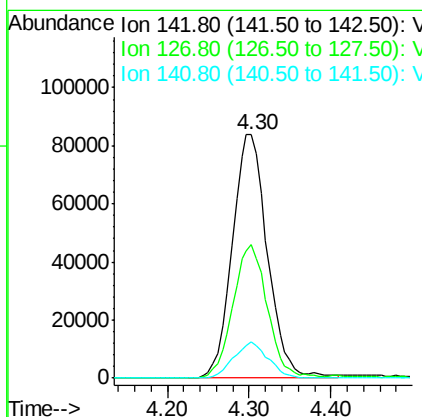
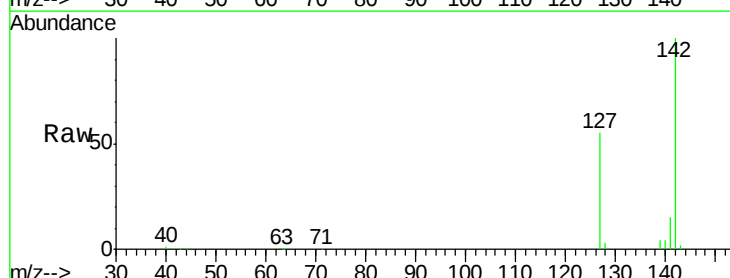
RT: 4.30 min Scan# 405

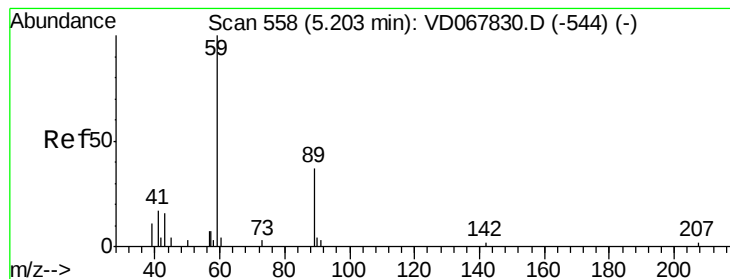
Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion:	142	Resp:	250400
Ion Ratio	Lower	Upper	
142	100		
127	53.7	43.9	65.9
141	14.4	12.2	18.2





#11

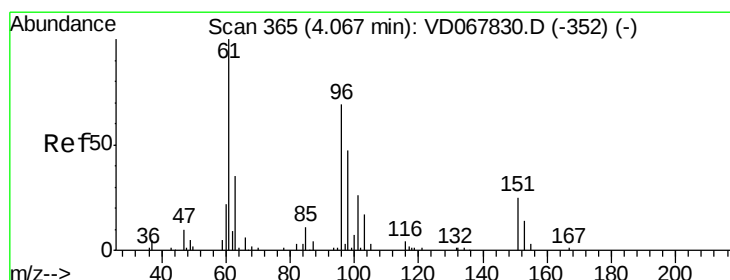
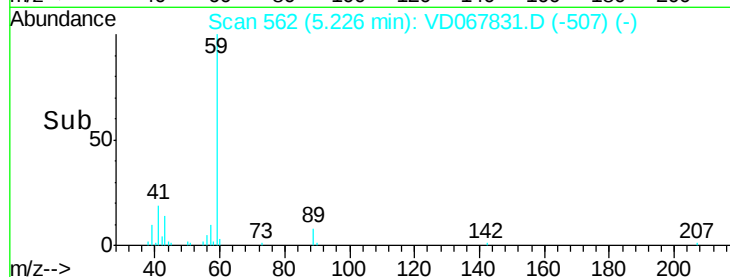
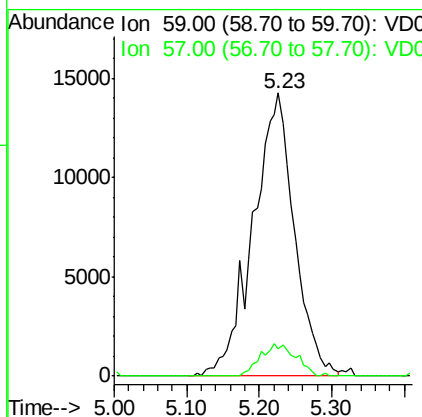
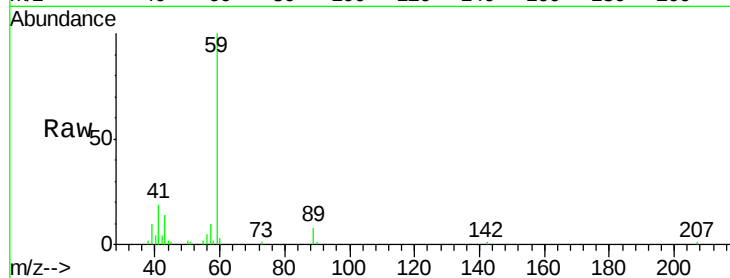
Tert butyl alcohol
Concen: 282.743 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

Manual Integrations
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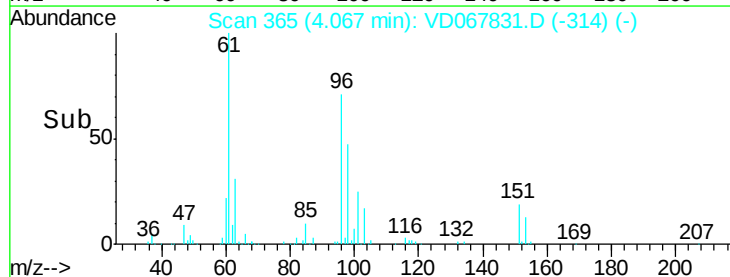
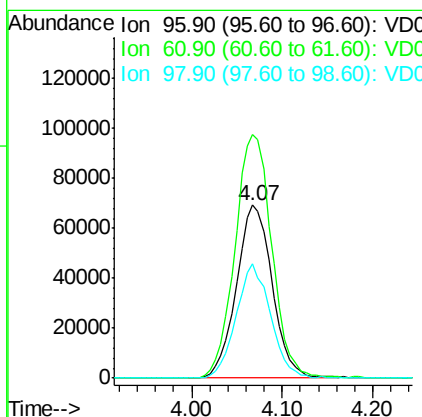
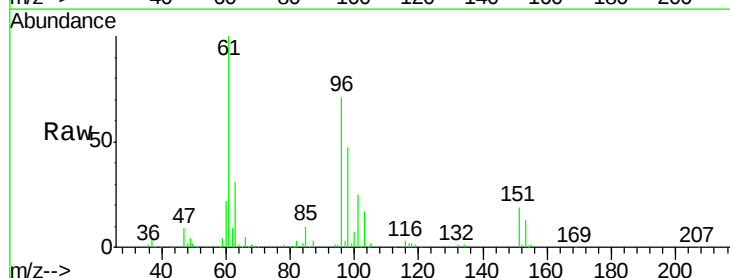
MMDadoda
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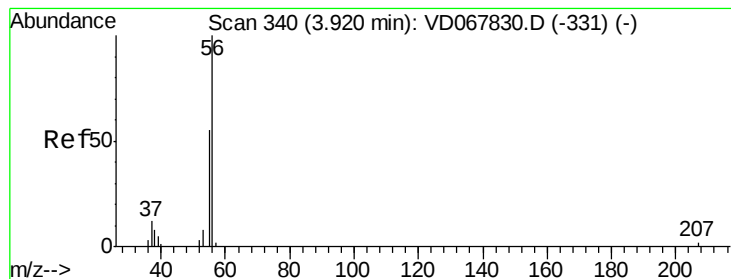


#12

1,1-Dichloroethene
Concen: 95.630 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.1	174.1
98	65.9	54.6	82.0





#13

Acrolein

Concen: 549.895 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 49155

Ion Ratio Lower Upper

56 100

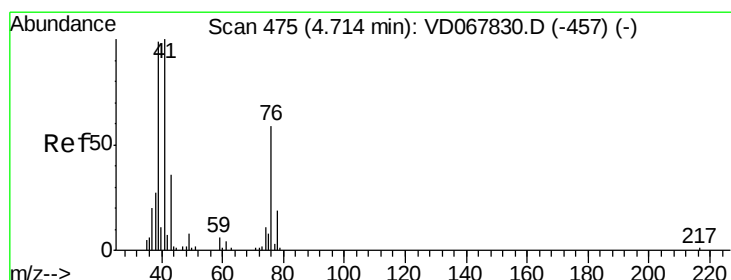
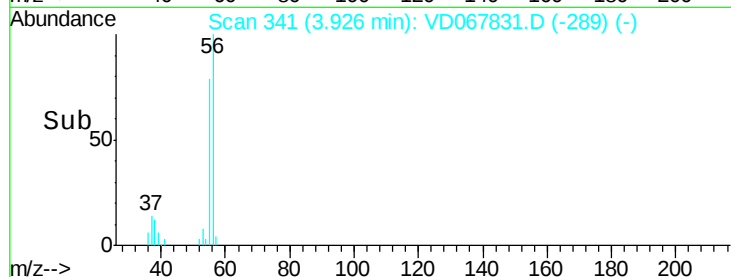
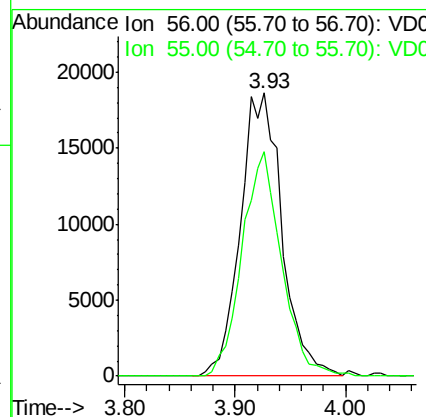
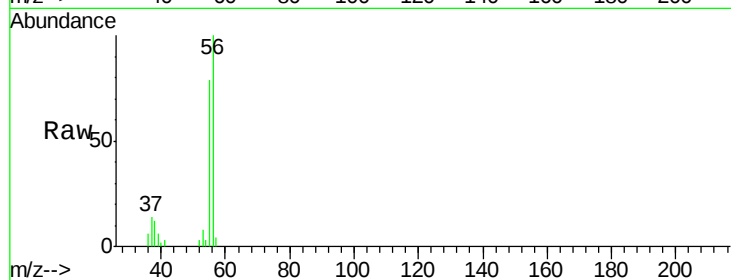
55 75.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 102.449 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

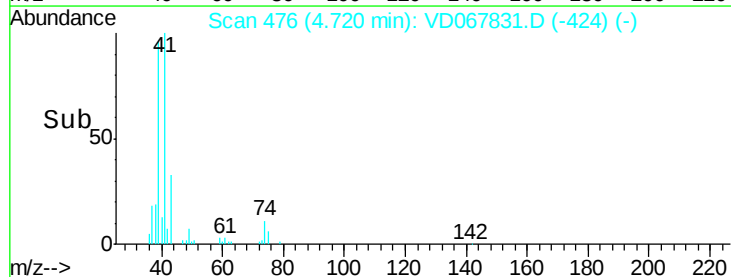
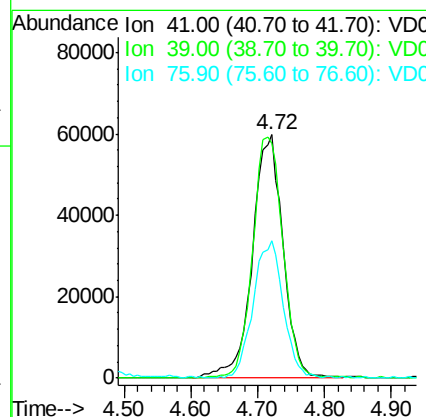
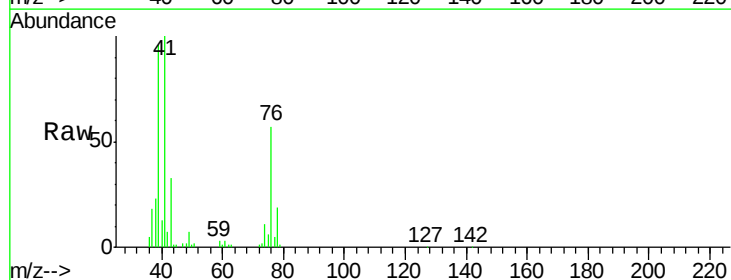
Tgt Ion: 41 Resp: 188553

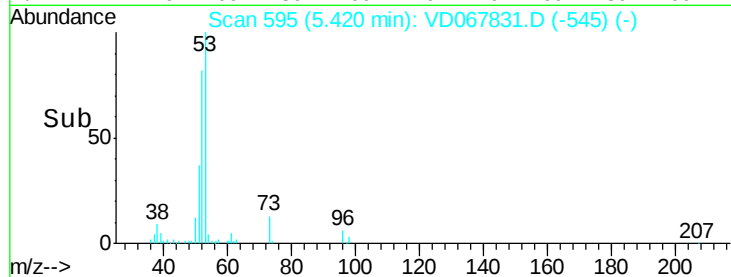
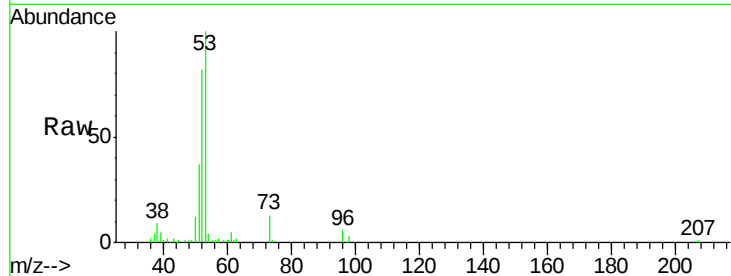
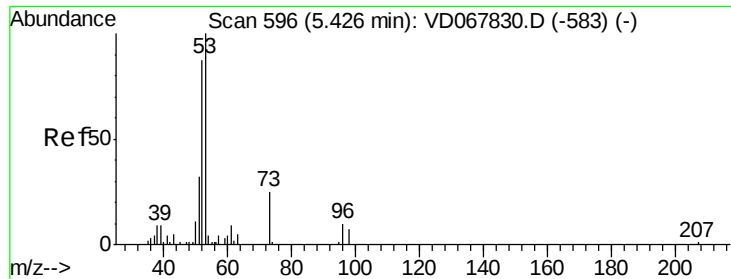
Ion Ratio Lower Upper

41 100

39 97.7 79.0 118.6

76 55.5 46.6 70.0





#15

Acrylonitrile

Concen: 472.124 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tot Ion:	53	Resp:	148276
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.2	99.2
51	39.9	31.1	46.7

Instrument :

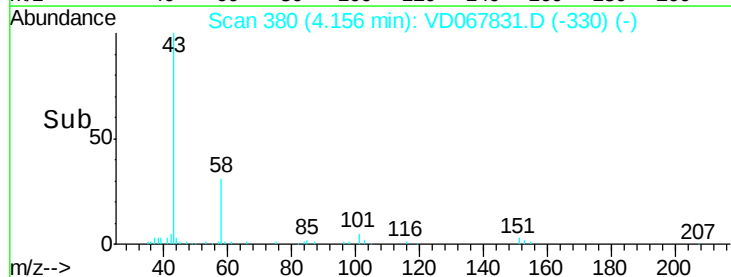
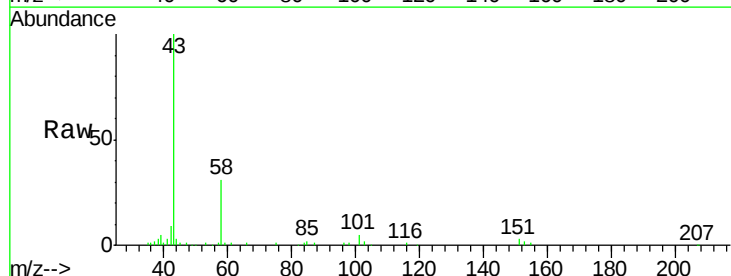
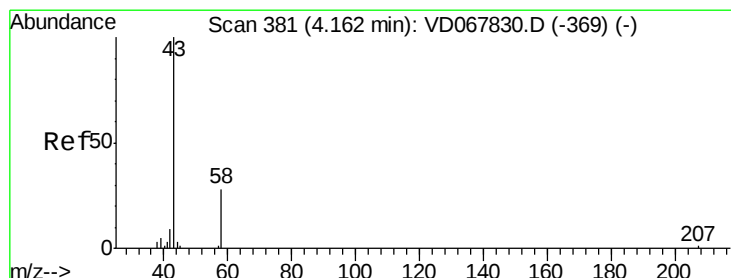
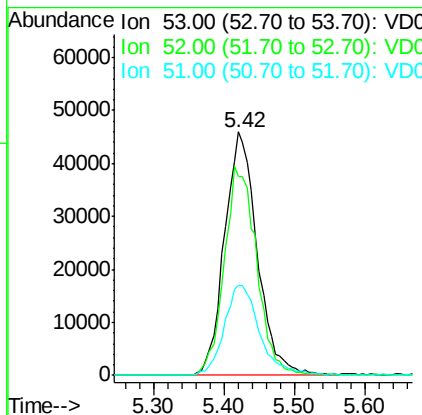
MSVOA_D

ClientSampleId :

VSTDIC100

Manual Integrations
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#16

Acetone

Concen: 473.146 ug/l

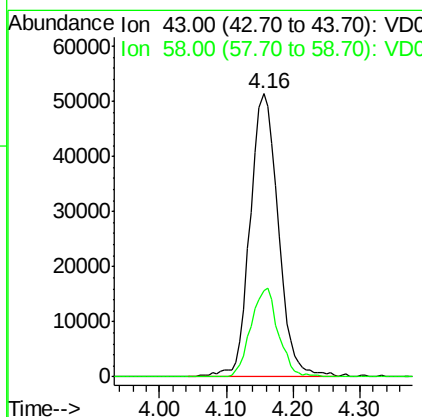
RT: 4.16 min Scan# 380

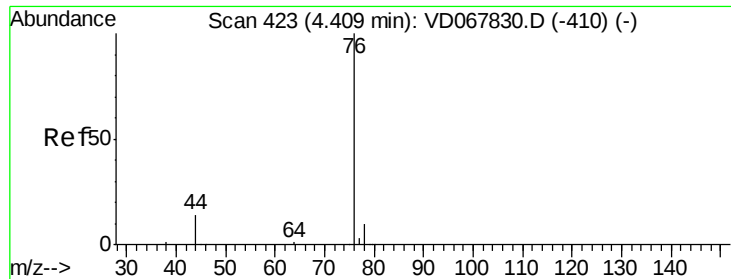
Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion:	43	Resp:	149076
Ion Ratio	Lower	Upper	
43	100		
58	30.6	21.9	32.9





#17

Carbon Disulfide

Concen: 95.332 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 529526

Ion Ratio Lower Upper

76 100

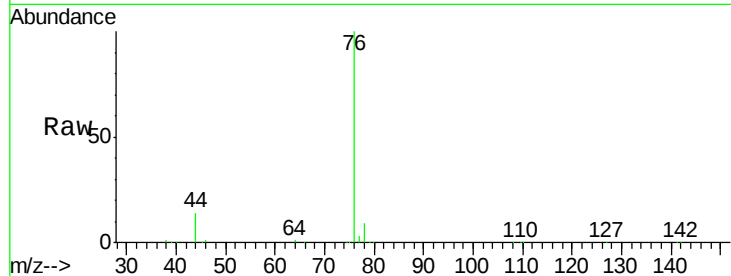
78 8.6 7.8 11.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

200000

150000

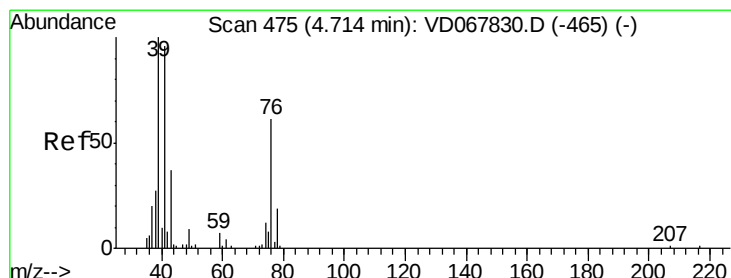
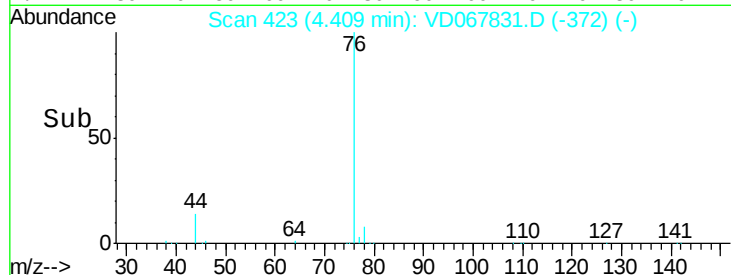
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 86.551 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067831.D

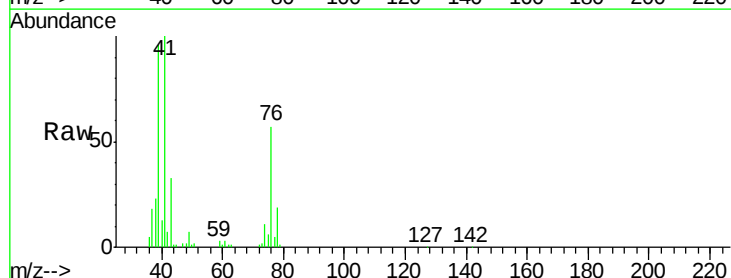
Acq: 01 Dec 2020 12:22

Tgt Ion: 43 Resp: 56073

Ion Ratio Lower Upper

43 100

74 36.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

15000

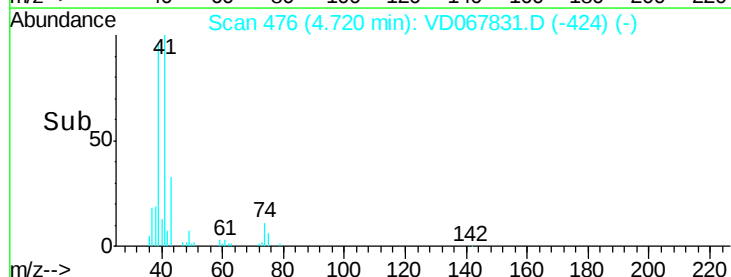
10000

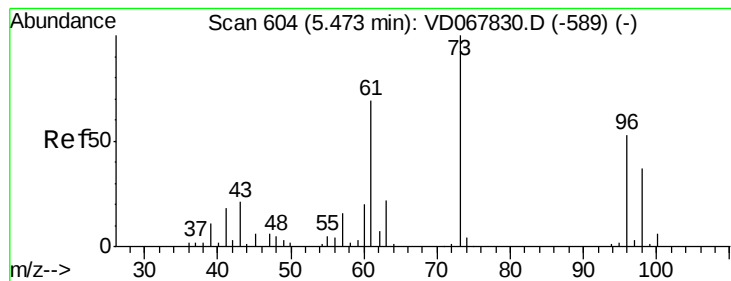
5000

0

4.60 4.70 4.80

Time-->





#19

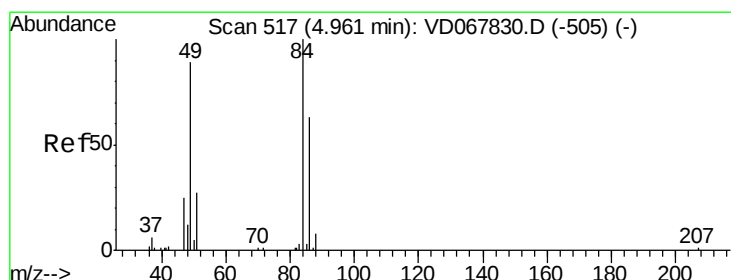
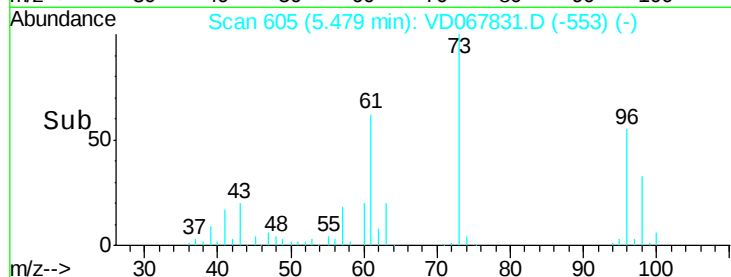
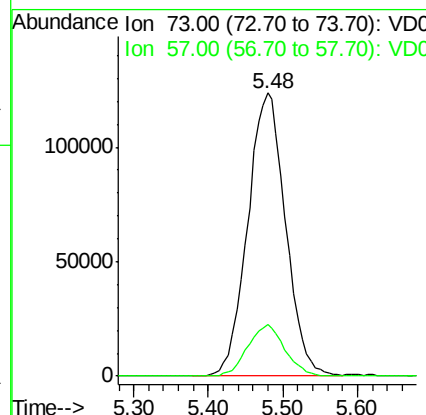
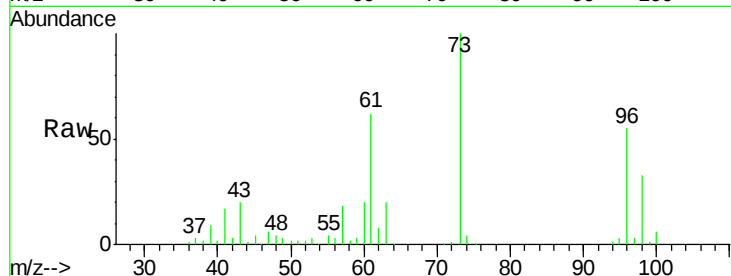
Methyl tert-butyl Ether
 Concen: 102.309 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	13.2	19.8

Manual Integrations
 APPROVED

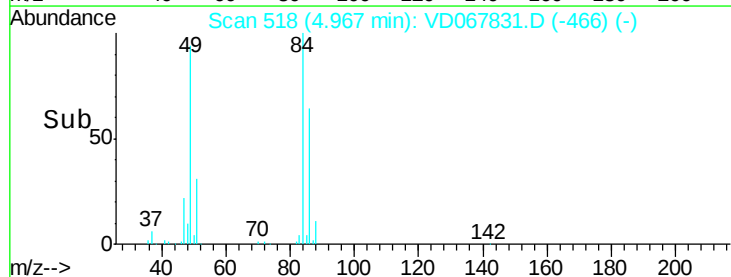
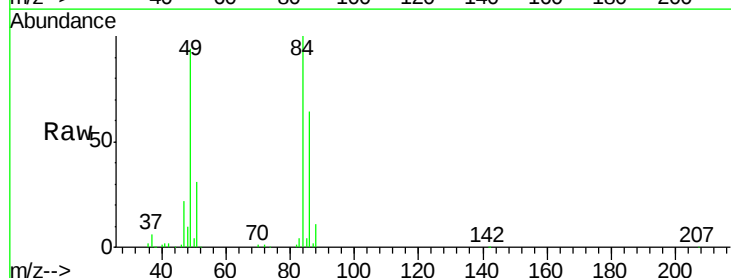
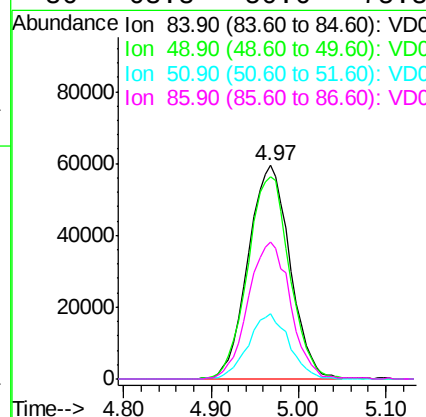
MMDadoda
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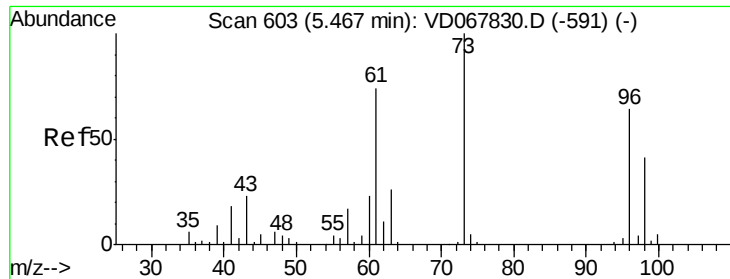


#20

Methylene Chloride
 Concen: 80.311 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.4	71.4	107.0
51	30.6	21.8	32.8
86	63.8	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 94.213 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

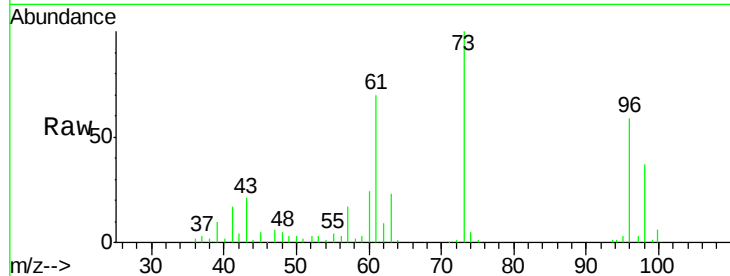
ClientSampleId :

VSTDIC100

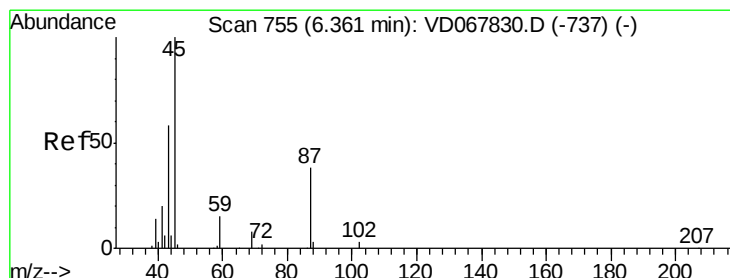
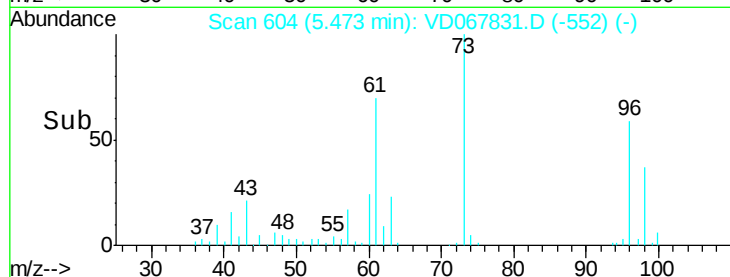
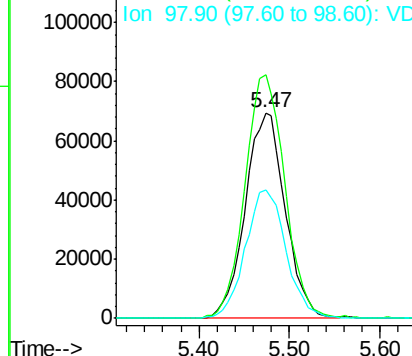
Tot Ion:	96	Resp:	213284
Ion	Ratio	Lower	Upper
96	100		
61	118.3	93.1	139.7
98	62.6	52.2	78.2

Manual Integrations
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12/2/2020 12:24:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 94.617 ug/l

RT: 6.37 min Scan# 756

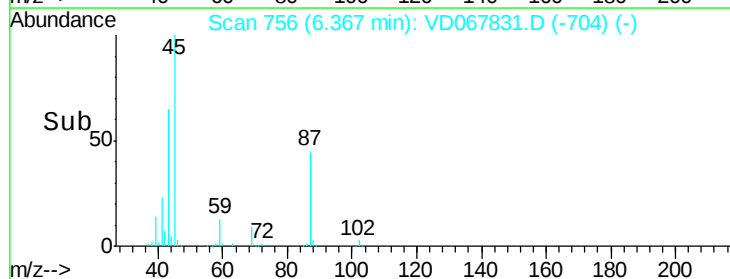
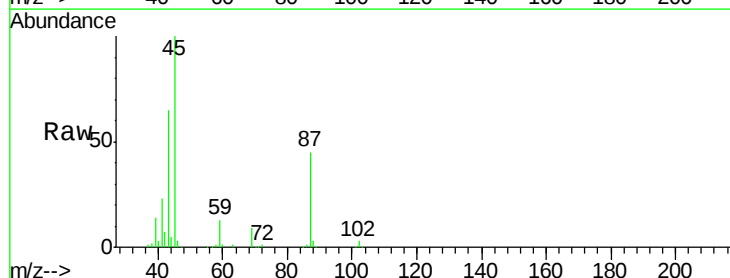
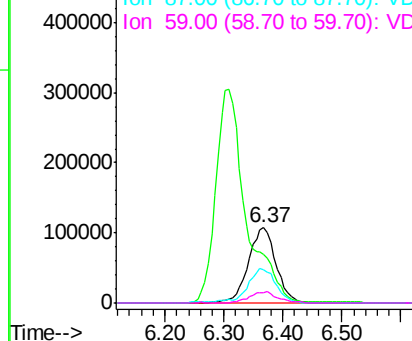
Delta R.T. 0.01 min

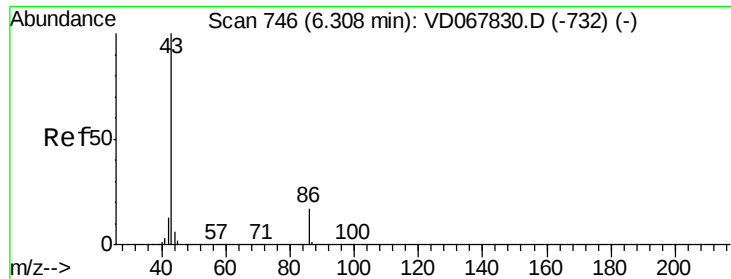
Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion:	45	Resp:	350239
Ion	Ratio	Lower	Upper
45	100		
43	64.2	49.8	74.6
87	44.3	32.1	48.1
59	13.1	11.9	17.9

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 527.922 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1087140

Ion Ratio Lower Upper

43 100

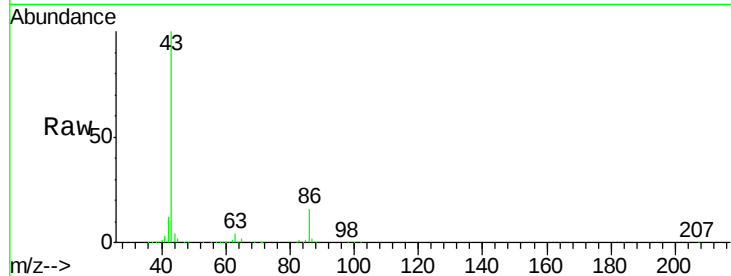
86 16.1 13.8 20.6

Manual Integrations

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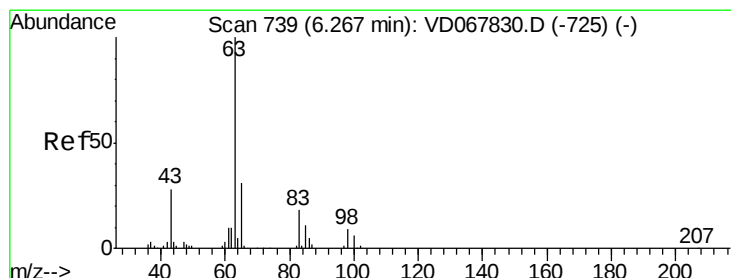
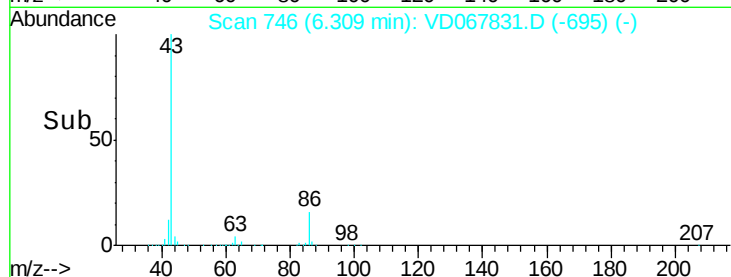
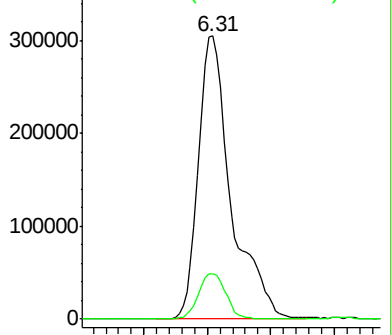
MMDadoda

12/2/2020 12:24:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 94.128 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

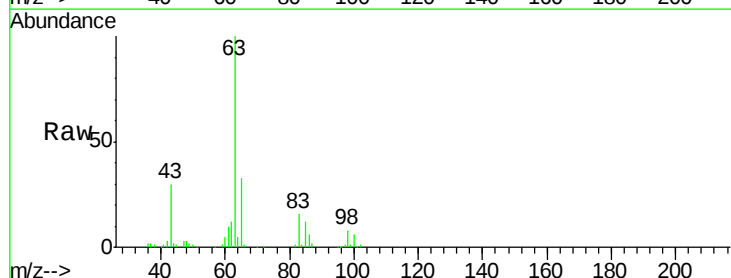
Tgt Ion: 63 Resp: 305431

Ion Ratio Lower Upper

63 100

98 8.2 4.5 13.5

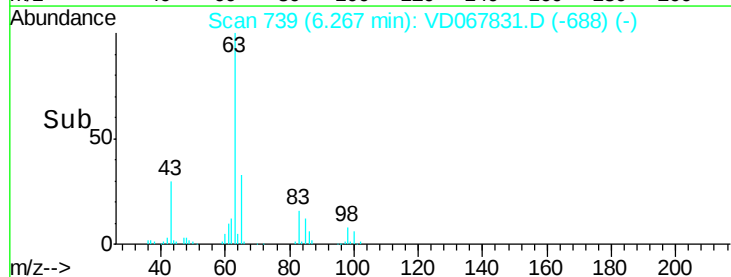
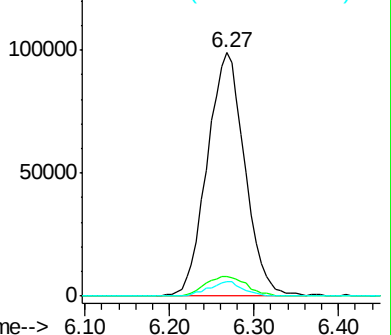
100 5.8 3.0 9.2

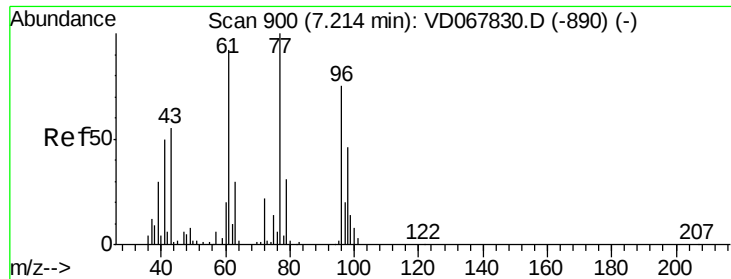


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





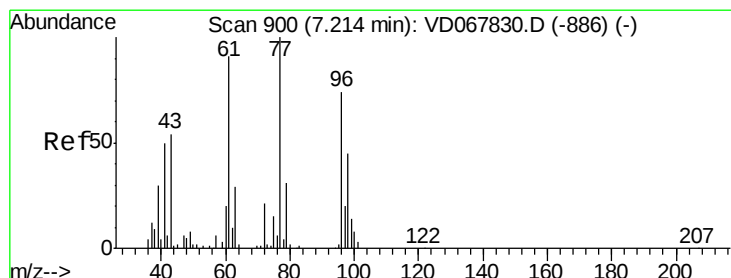
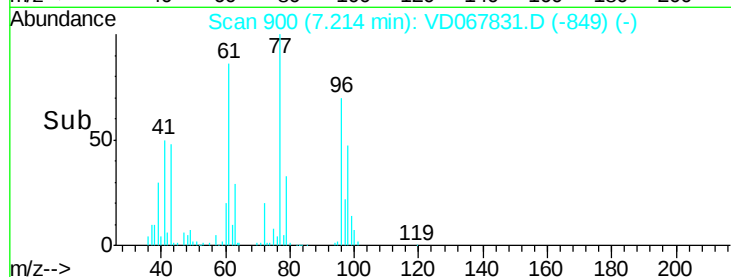
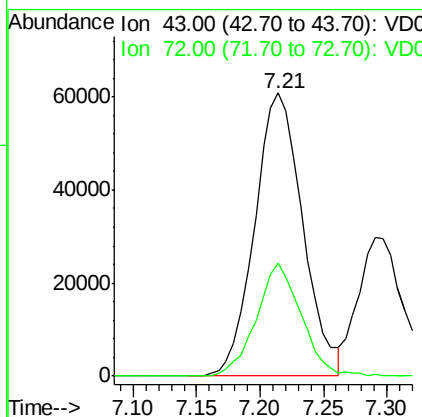
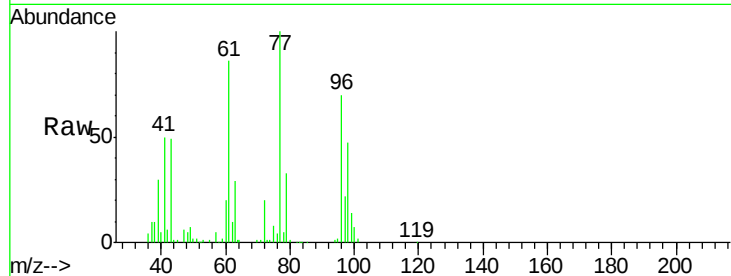
#25
2-Butanone
Concen: 479.073 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 160484
Ion Ratio Lower Upper
43 100
72 40.1 31.3 46.9

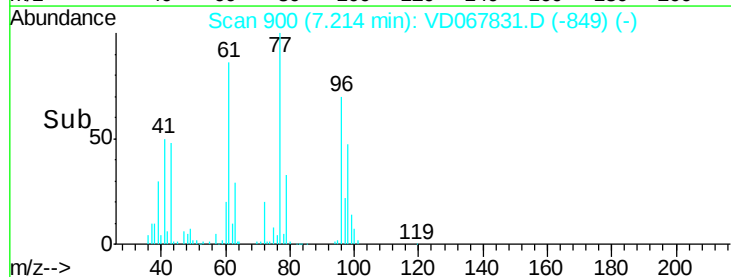
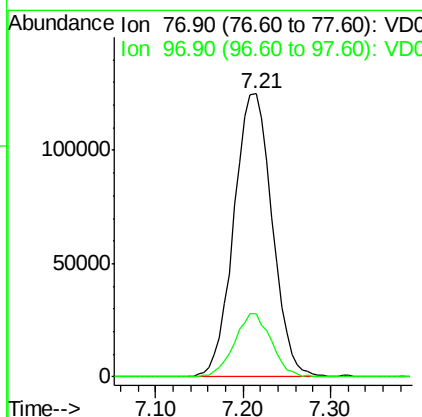
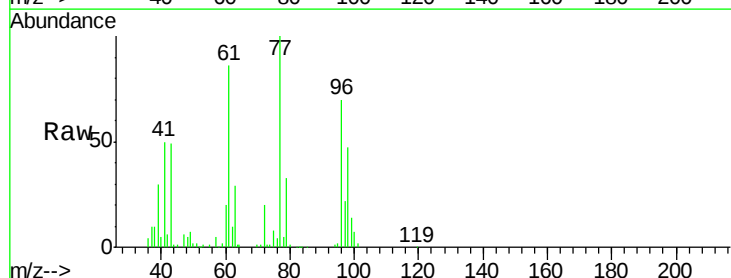
Manual Integrations
APPROVED

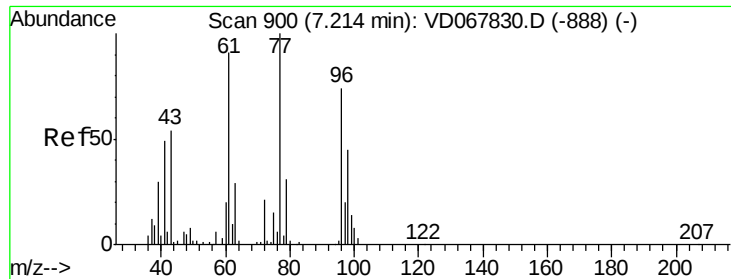
MMDadoda
12/2/2020 12:24:03 PM



#26
2,2-Dichloropropane
Concen: 96.002 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 77 Resp: 371467
Ion Ratio Lower Upper
77 100
97 21.6 11.1 33.1





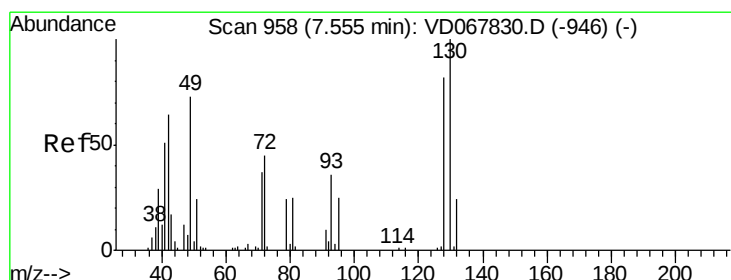
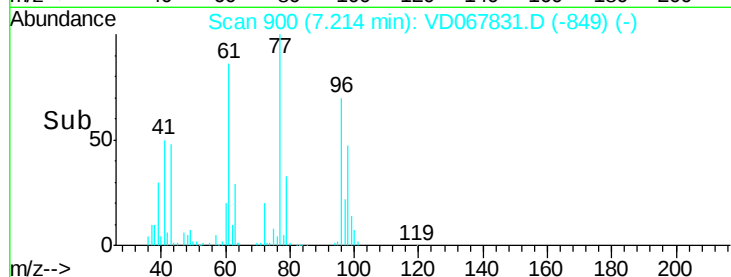
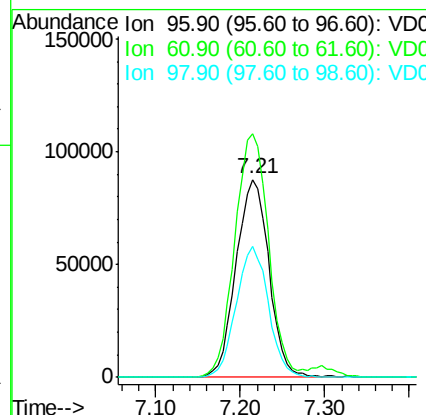
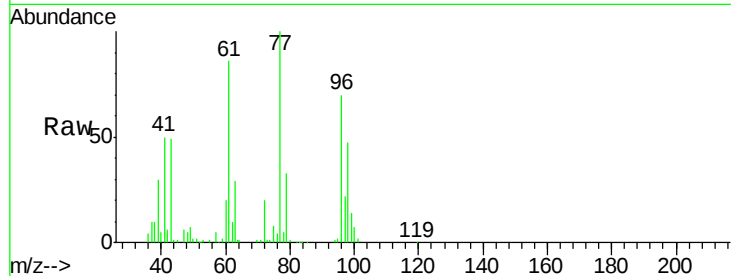
#27
 cis-1,2-Dichloroethene
 Concen: 95.509 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	236494		
61	126.6	0.0	248.4	
98	65.0	0.0	127.4	

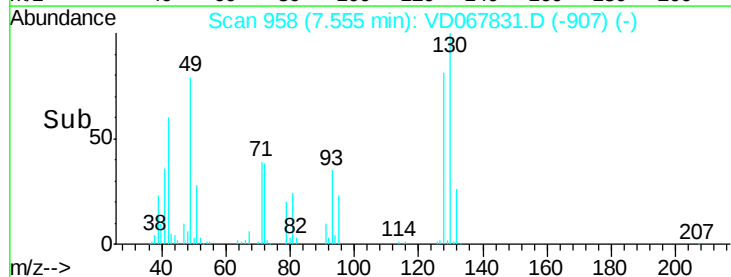
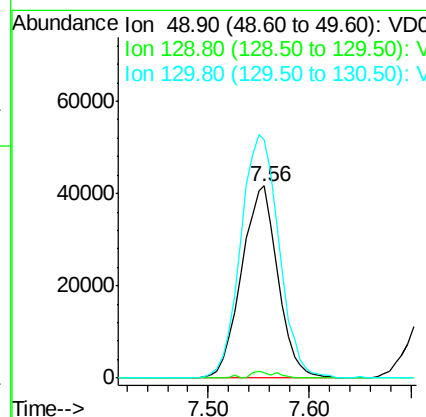
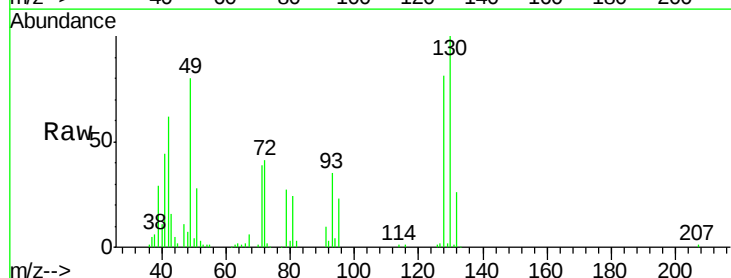
Manual Integrations
 APPROVED

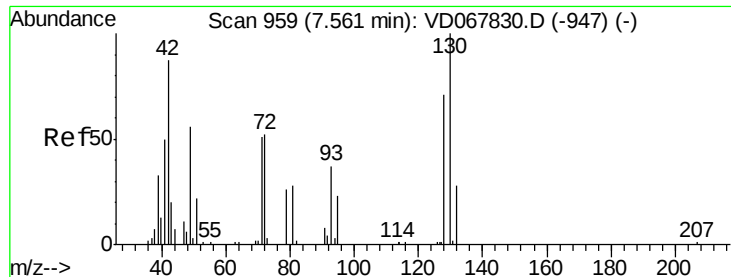
MMDadoda
 12/2/2020 12:24:03 PM



#28
 Bromochloromethane
 Concen: 100.290 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103322		
129	2.3	0.0	3.4	
130	134.0	110.2	165.2	





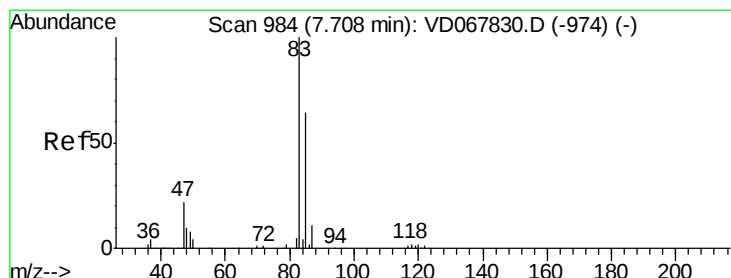
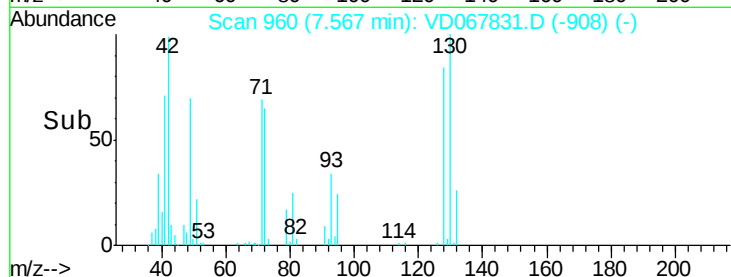
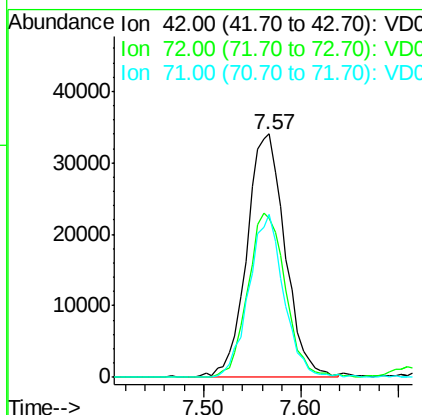
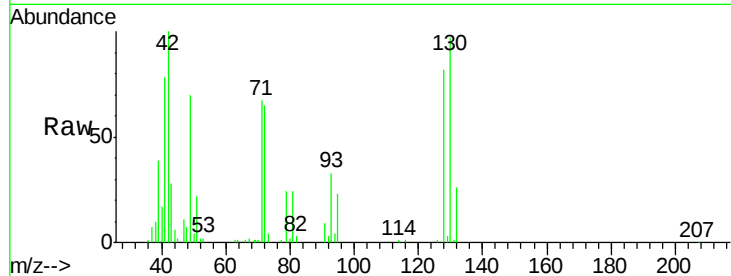
#29
Tetrahydrofuran
Concen: 532.895 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	66.2	51.9	77.9
71	60.7	48.2	72.4

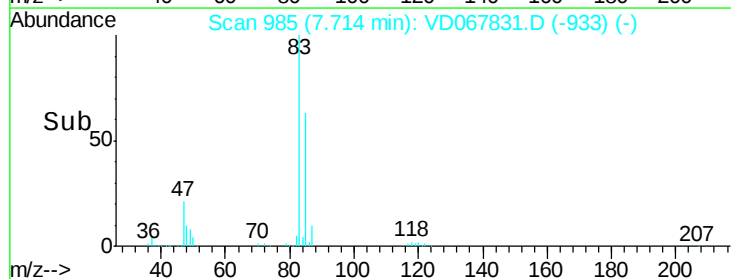
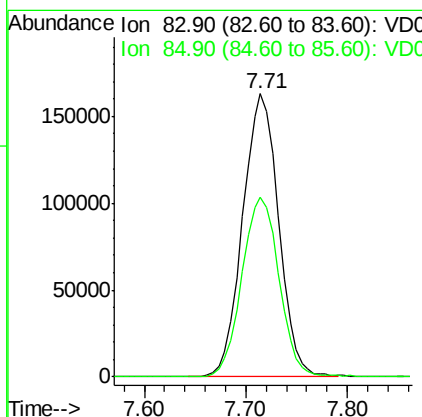
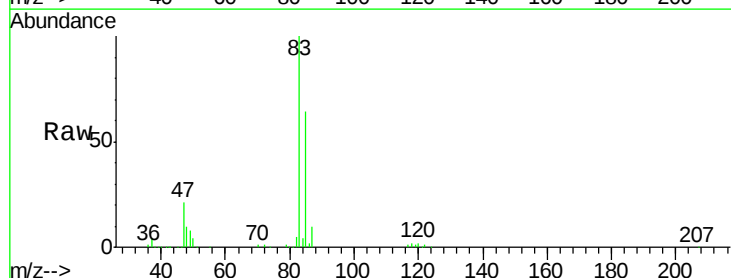
Manual Integrations
APPROVED

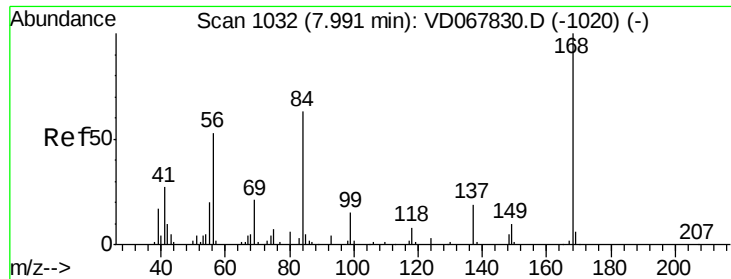
MMDadoda
12/2/2020 12:24:03 PM



#30
Chloroform
Concen: 92.605 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4





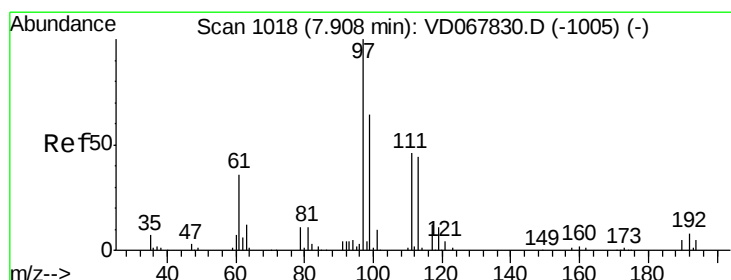
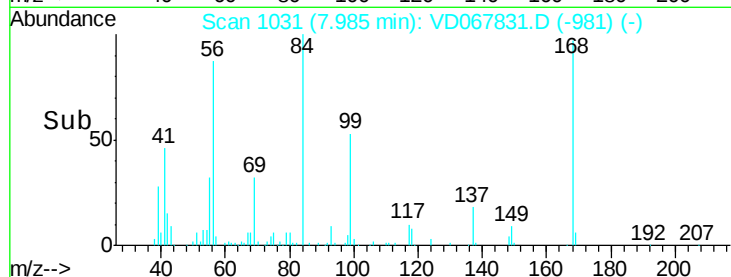
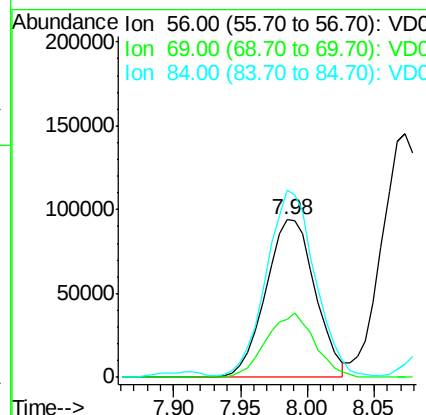
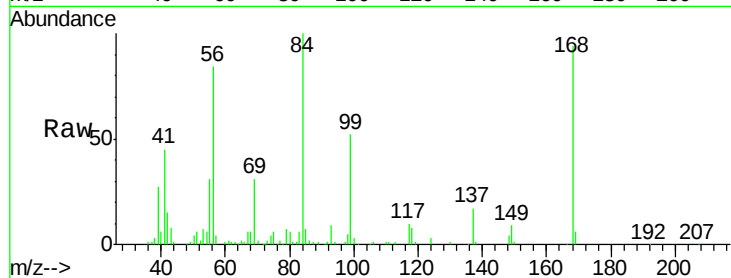
#31
Cyclohexane
Concen: 88.979 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100	241618		
69	37.0		32.1	48.1
84	115.4		93.2	139.8

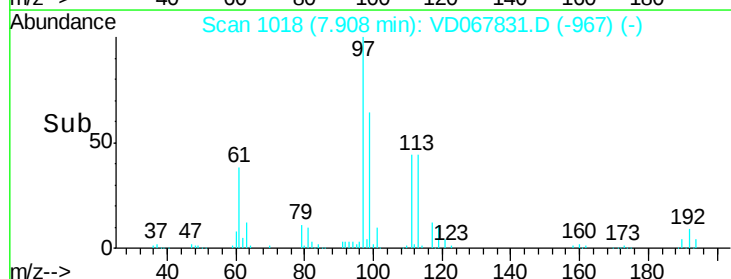
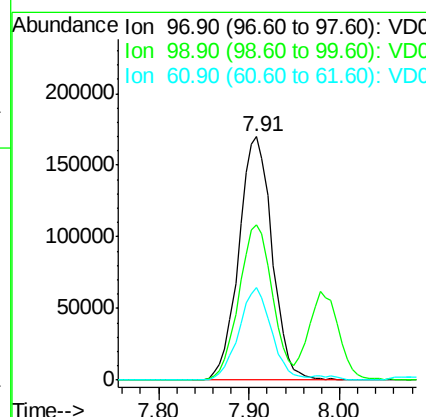
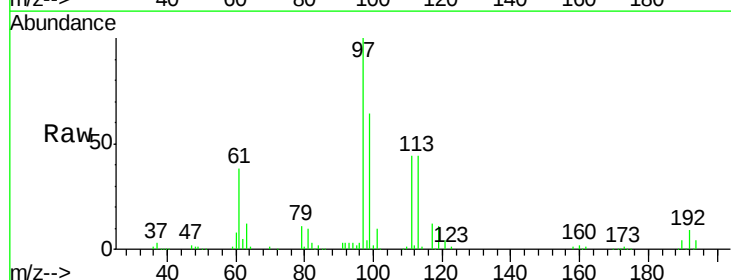
Manual Integrations
APPROVED

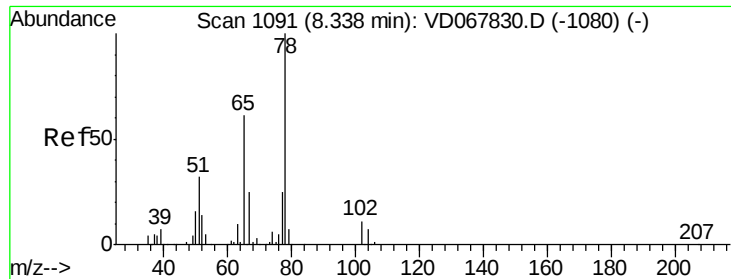
MMDadoda
12/2/2020 12:24:03 PM



#32
1,1,1-Trichloroethane
Concen: 94.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	434498		
99	64.6		51.4	77.2
61	37.1		30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 95.778 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 246859

Ion Ratio Lower Upper

65 100

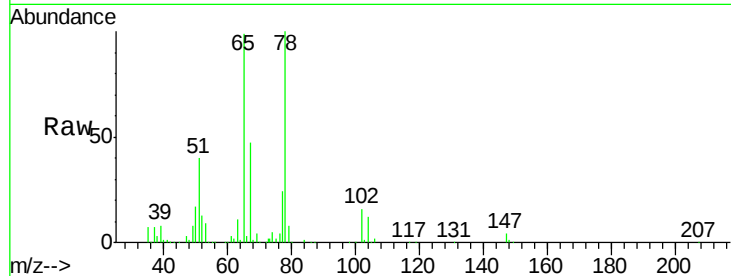
67 46.8 0.0 92.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

60000

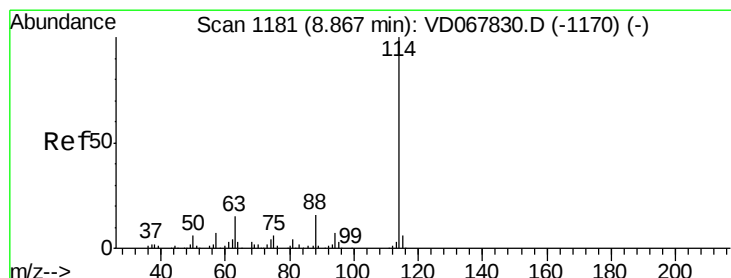
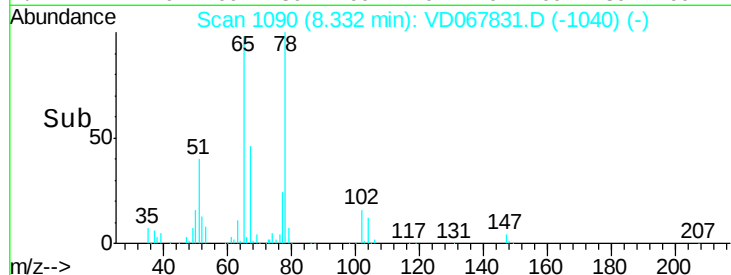
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

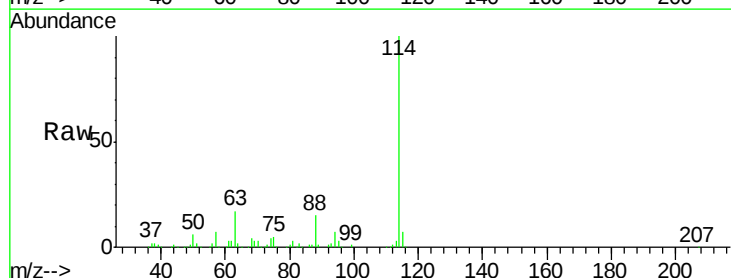
Tgt Ion: 114 Resp: 336834

Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

88 15.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

200000

150000

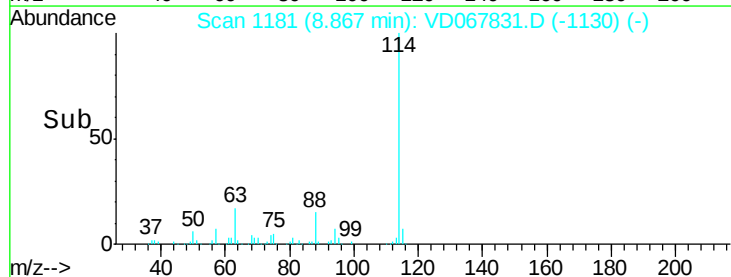
100000

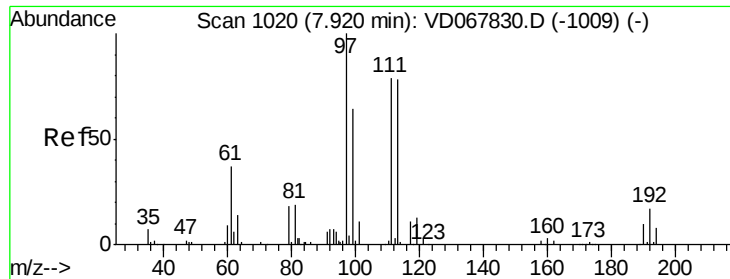
50000

0

8.80 8.90 9.00

Time-->





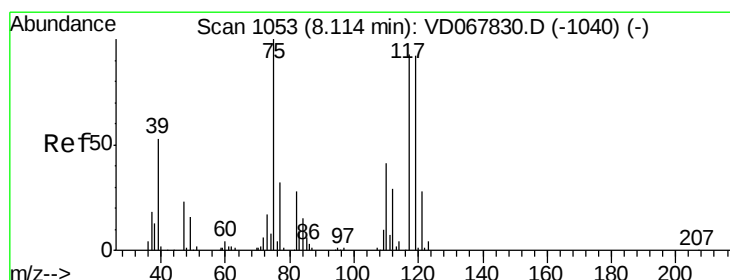
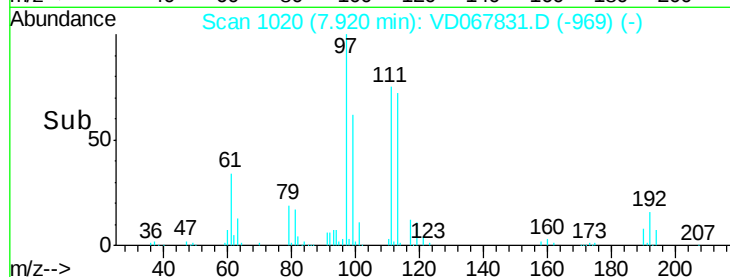
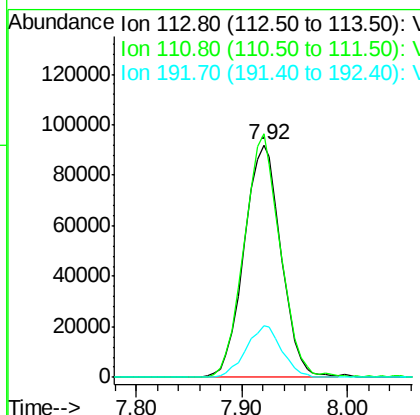
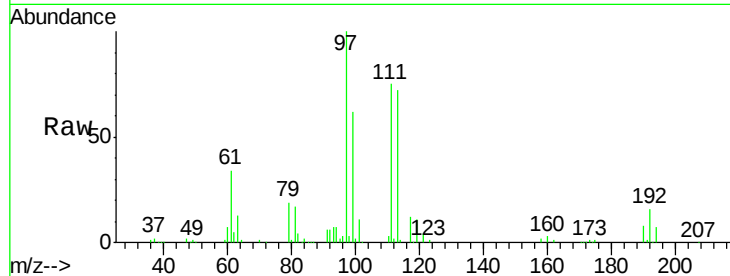
#35
 Dibromofluoromethane
 Concen: 98.997 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223131		
111	102.4	81.2	121.8	
192	21.6	16.8	25.2	

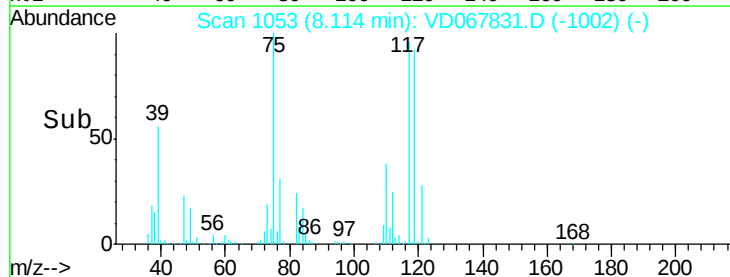
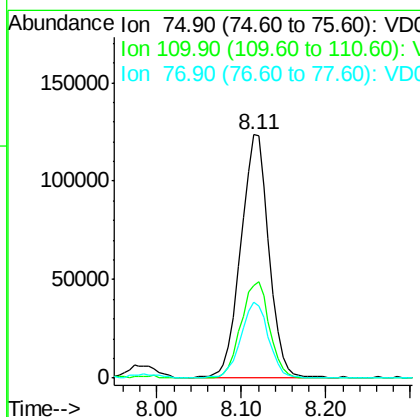
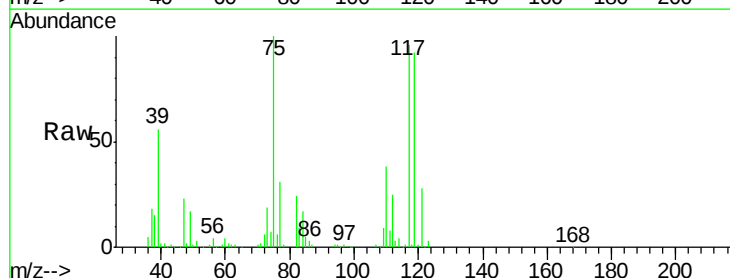
Manual Integrations
 APPROVED

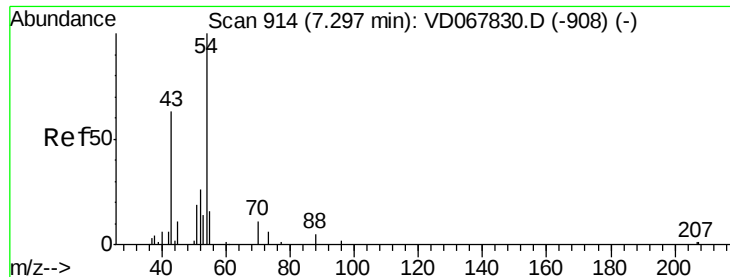
MMDadoda
 12/2/2020 12:24:03 PM



#36
 1,1-Dichloropropene
 Concen: 98.242 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	286468		
110	39.9	20.3	61.0	
77	30.9	24.7	37.1	





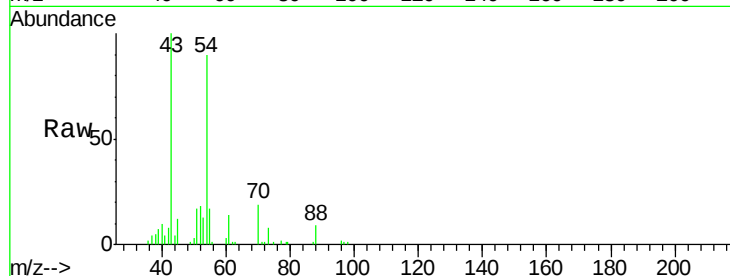
#37
Ethyl Acetate
Concen: 108.691 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.4	17.2
70	15.7	11.5	17.3

Manual Integrations
APPROVED

MMDadoda
12/2/2020 12:24:03 PM

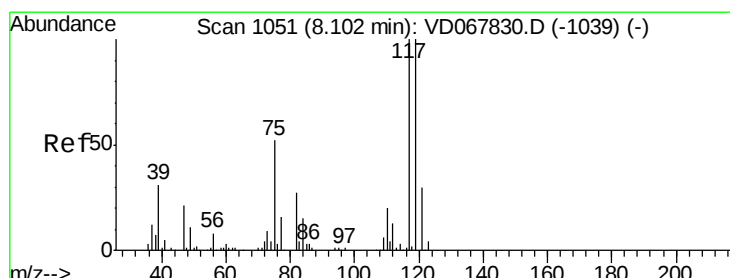
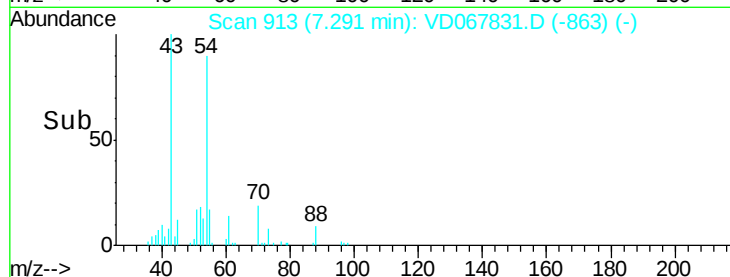
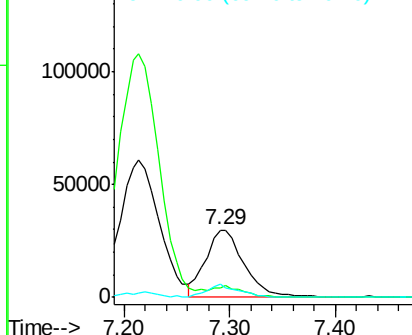


Abundance

Ion 43.00 (42.70 to 43.70): VDC

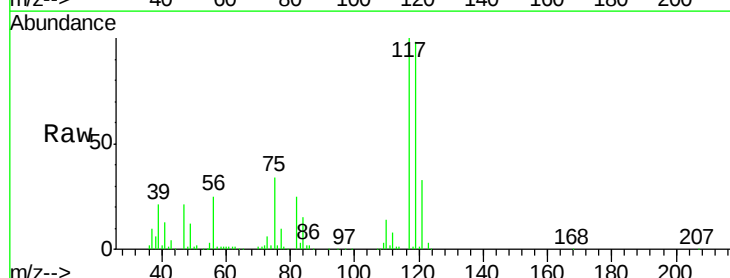
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 96.164 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	79.7	119.5
121	32.5	23.8	35.6

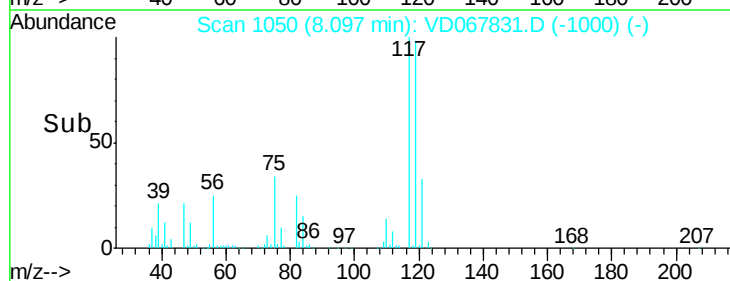
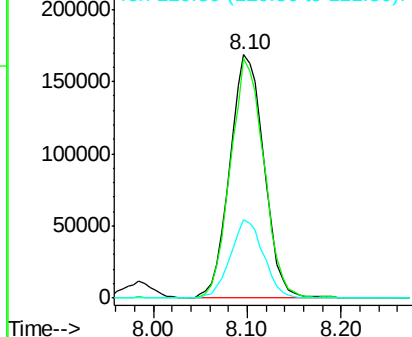


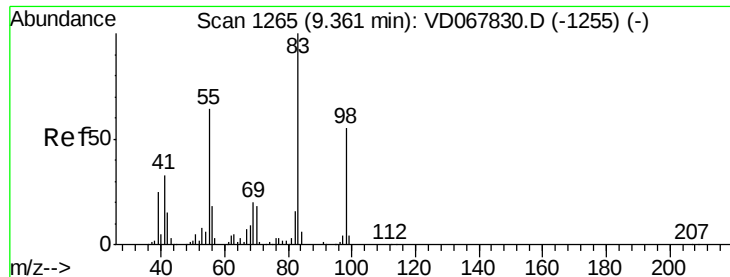
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





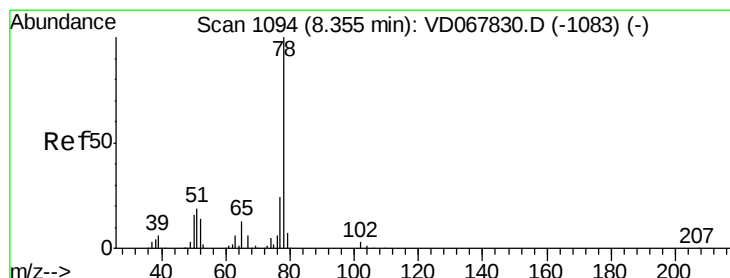
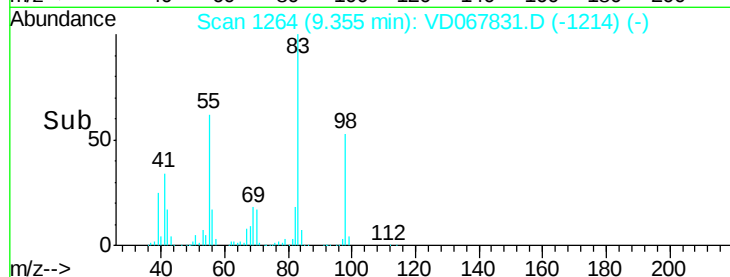
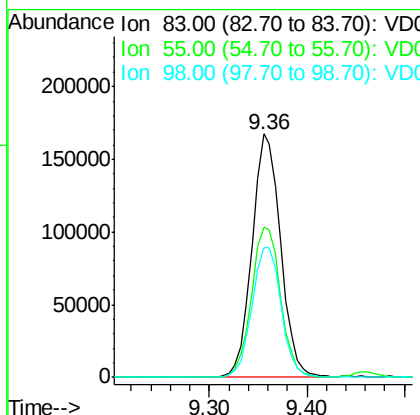
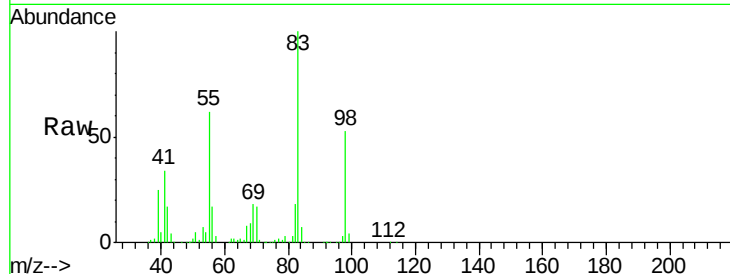
#39
Methvlcvclohexane
Concen: 99.423 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	343561		
55	61.8		51.6	77.4
98	53.3		44.3	66.5

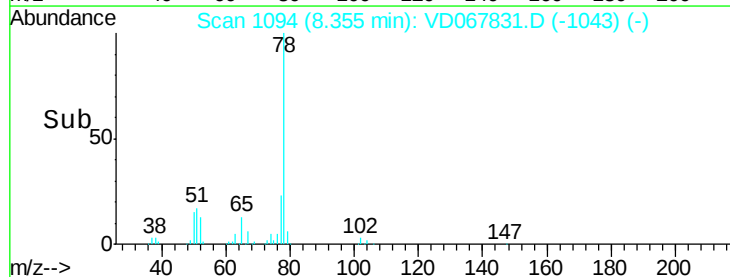
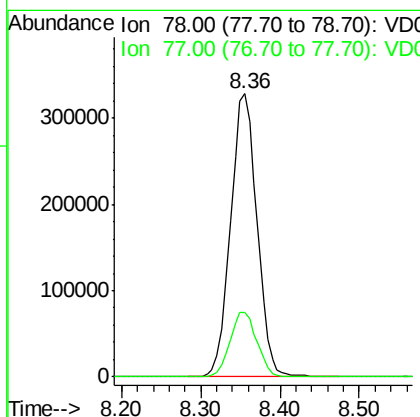
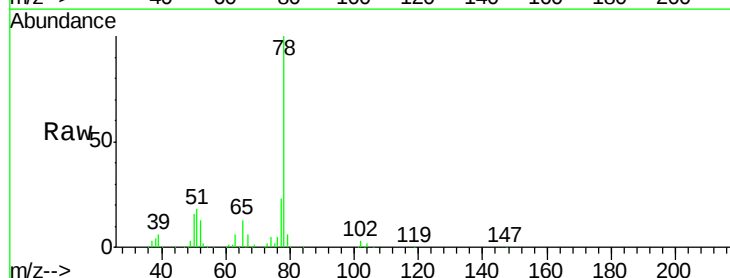
Manual Integrations
APPROVED

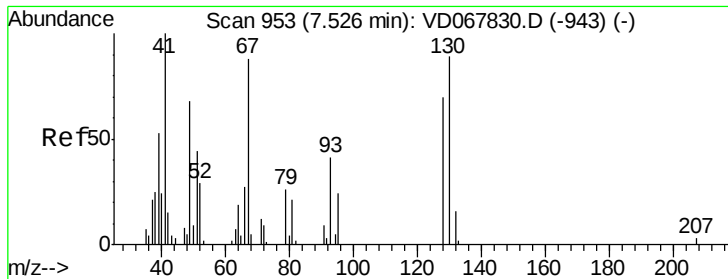
MMDadoda
12/2/2020 12:24:03 PM



#40
Benzene
Concen: 94.852 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	756812		
77	22.7		19.1	28.7





#41

Methacrylonitrile

Concen: 89.130 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 34057
Ion Ratio Lower Upper

41 100

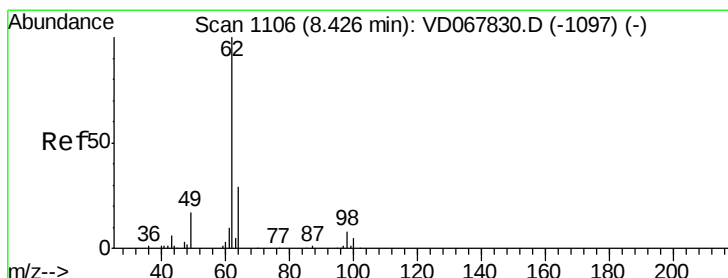
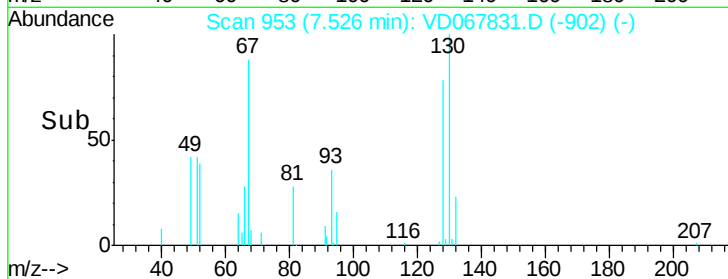
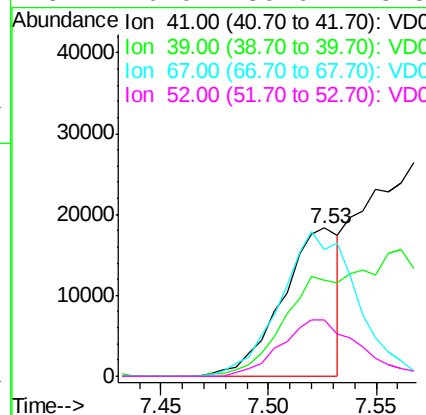
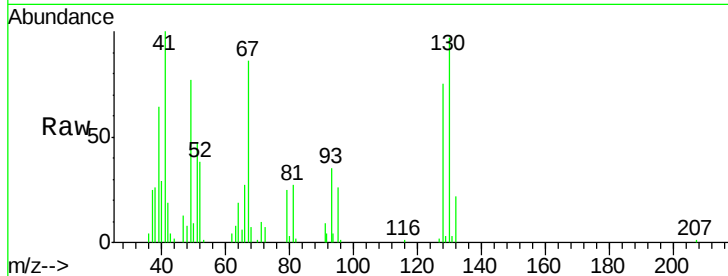
39 195.3 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 96.382 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

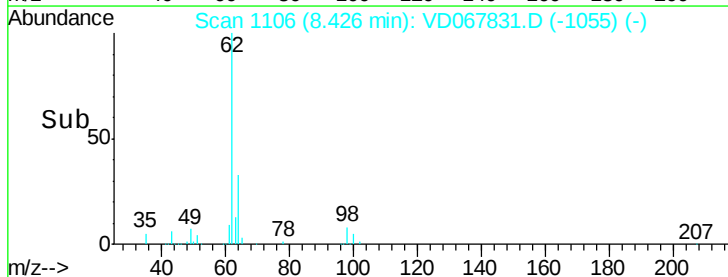
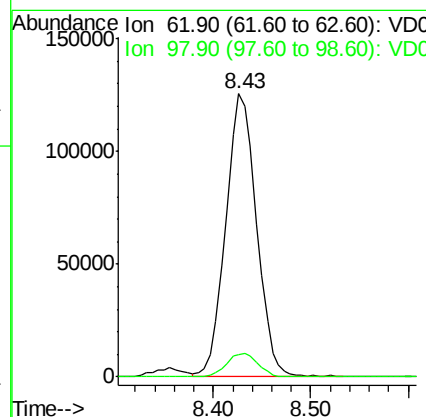
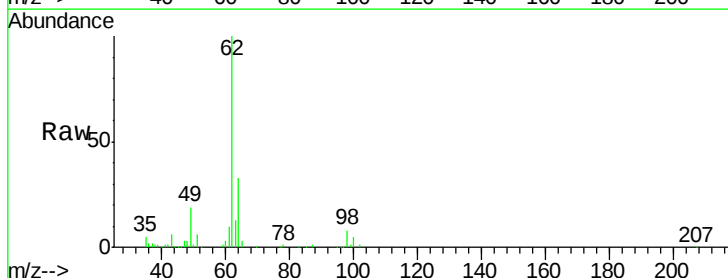
Lab File: VD067831.D

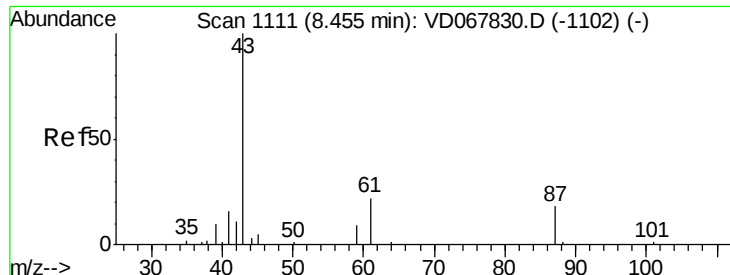
Acq: 01 Dec 2020 12:22

Tgt Ion: 62 Resp: 274083
Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 99.160 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

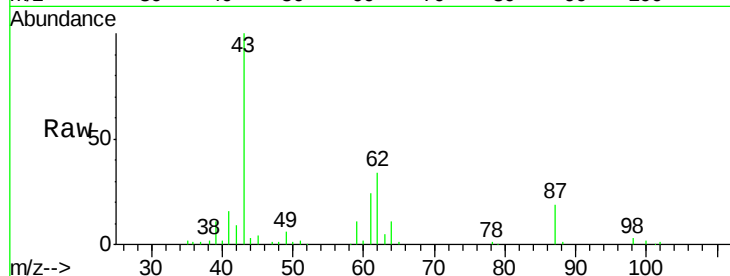
ClientSampleID :

VSTDIC100

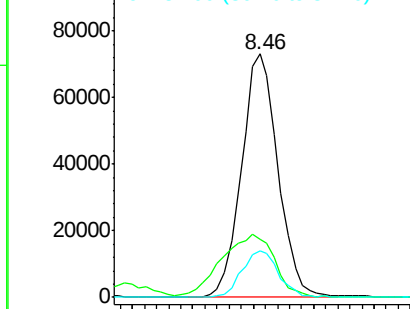
Tot Ion:	43	Resp:	153335
Ion	Ratio	Lower	Upper
43	100		
61	38.2	30.4	45.6
87	19.1	16.2	24.2

Manual Integrations
APPROVED

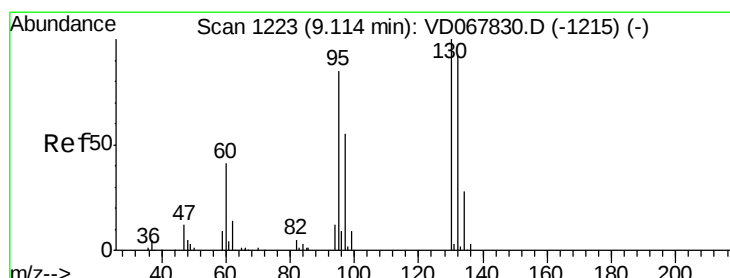
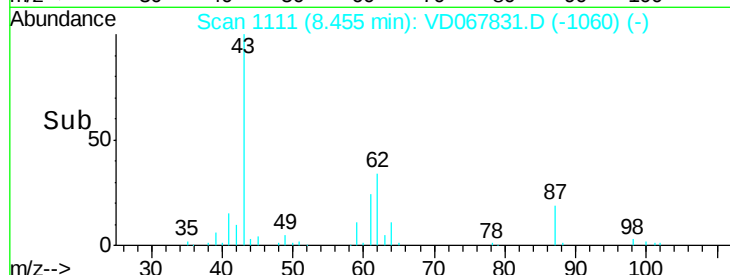
MMDadoda
12/2/2020 12:24:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



Time-->



#44

Trichloroethene

Concen: 95.463 ug/l

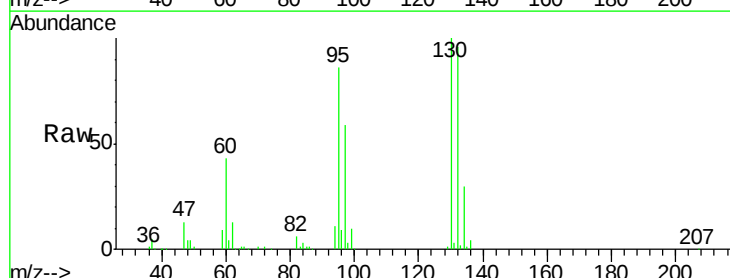
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

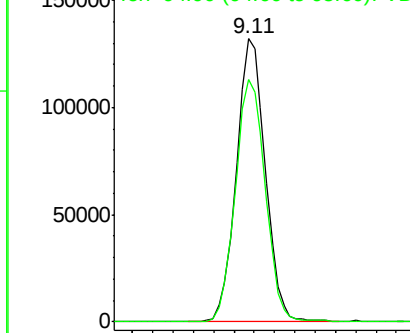
Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

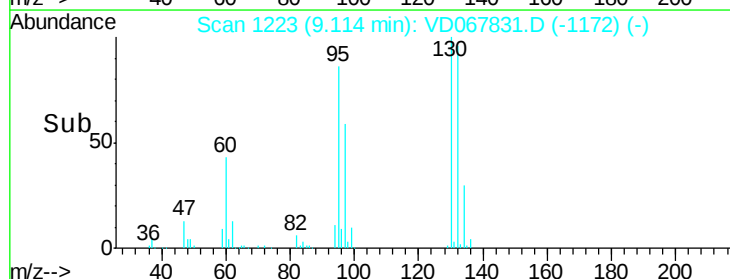
Tgt Ion:	130	Resp:	261878
Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	170.2

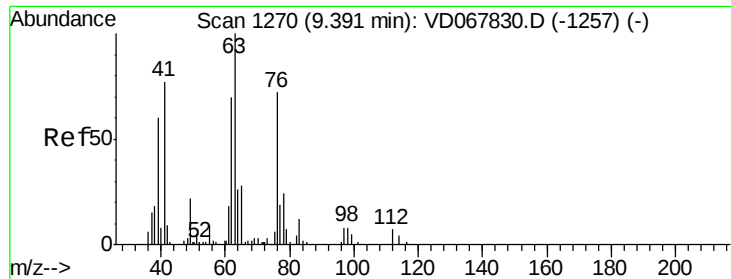


Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 96.735 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 158414

Ion Ratio Lower Upper

63 100

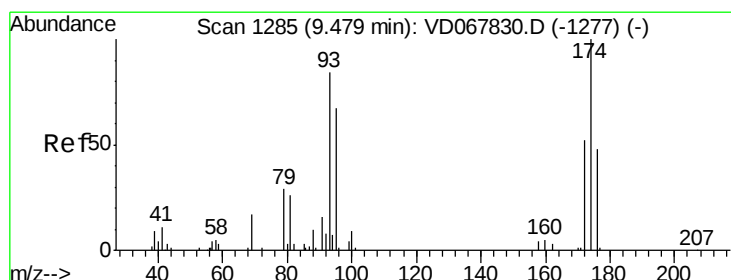
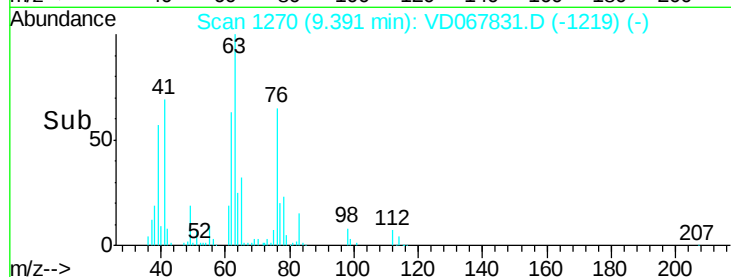
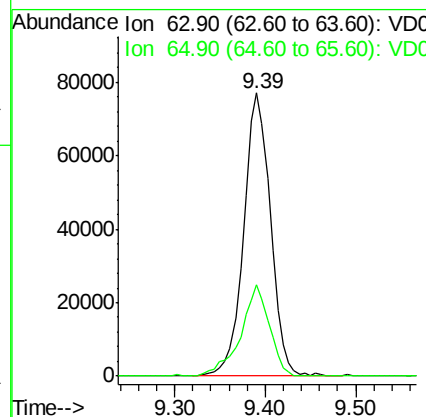
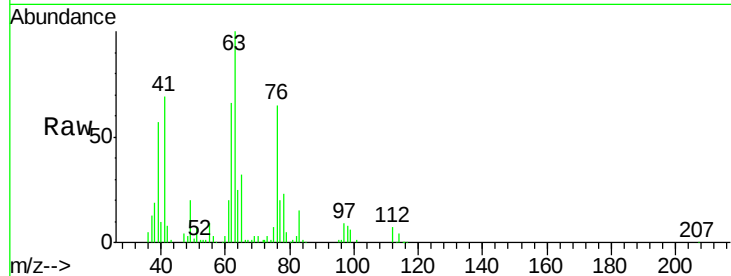
65 32.4 22.8 34.2

Manual Integrations

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#46

Dibromomethane

Concen: 97.187 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

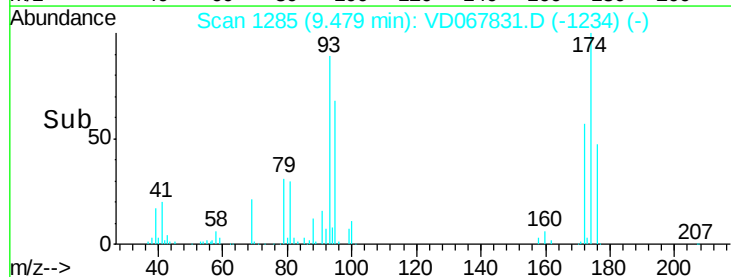
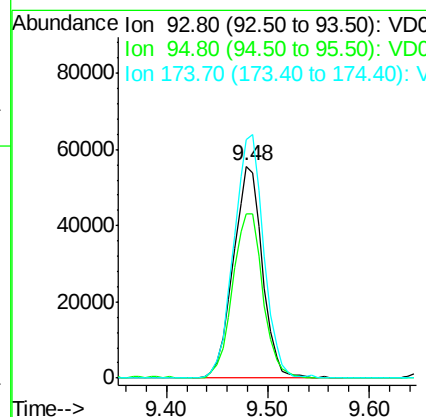
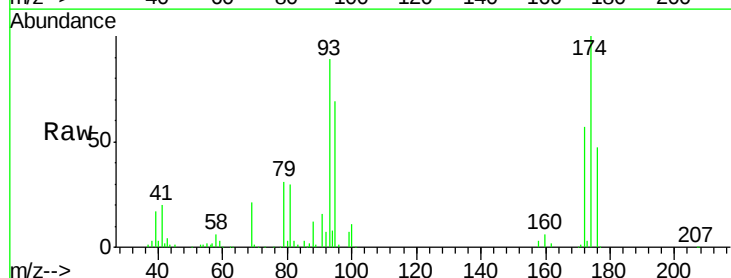
Tgt Ion: 93 Resp: 110656

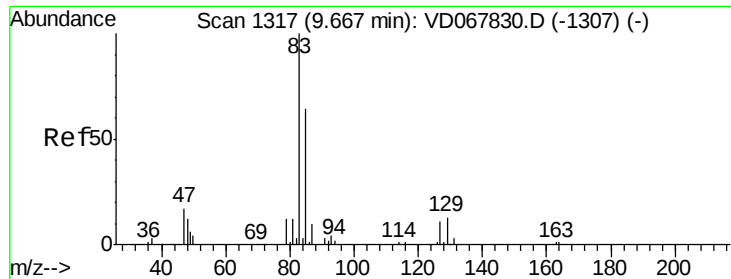
Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.4

174 117.5 91.5 137.3





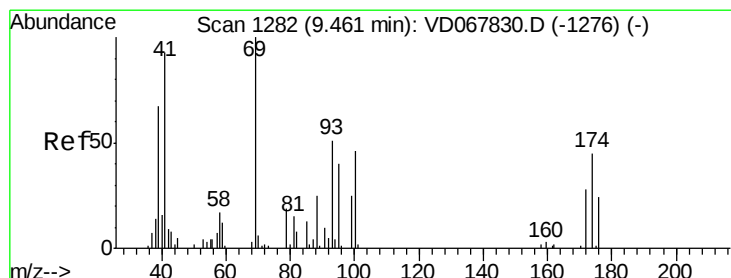
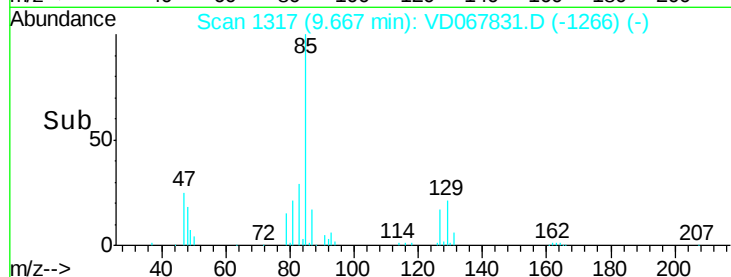
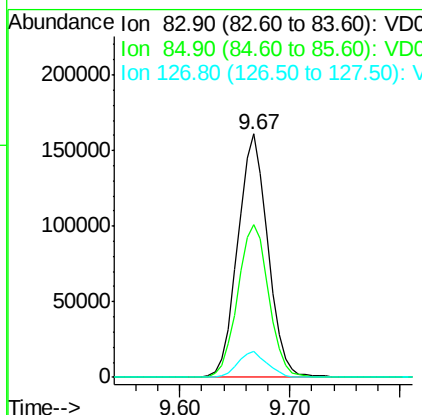
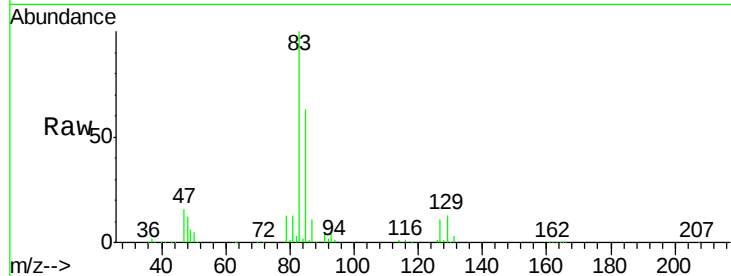
#47
Bromodichloromethane
Concen: 95.105 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.8	51.4	77.0	
127	10.9	8.5	12.7	

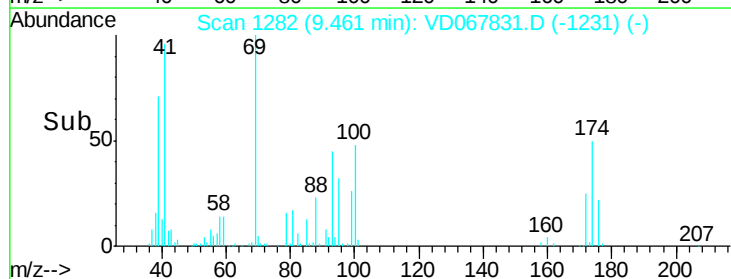
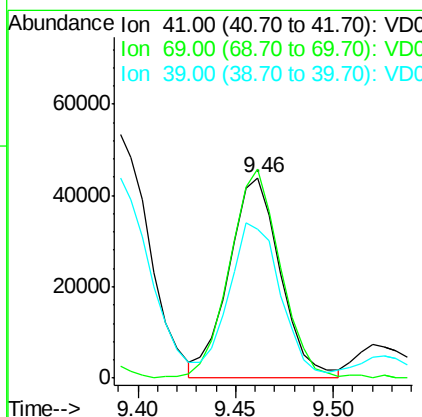
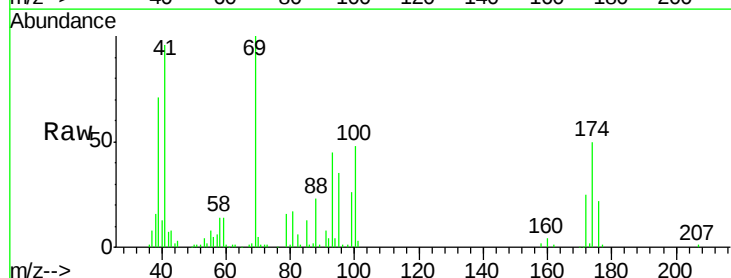
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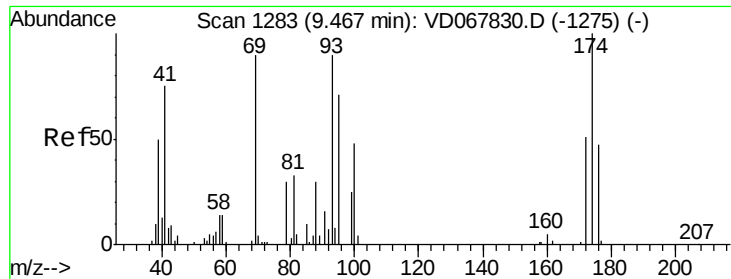
MMDadoda
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#48
Methyl methacrylate
Concen: 102.781 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	102.5	87.6	131.4	
39	72.1	61.2	91.8	





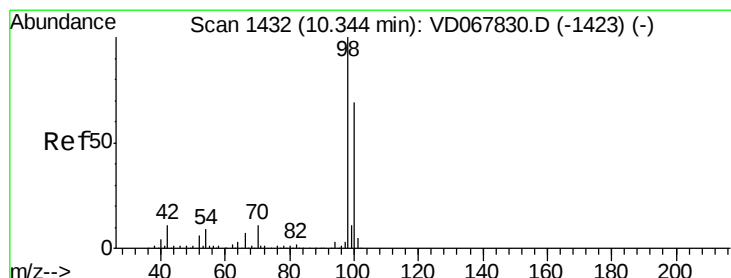
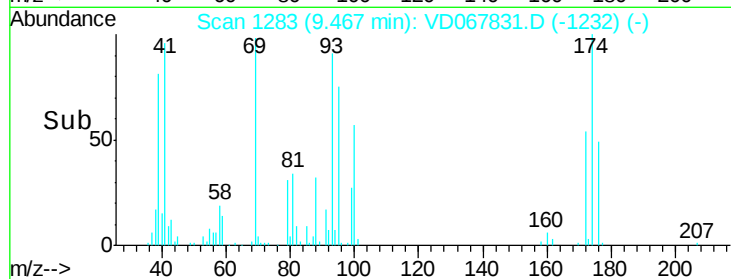
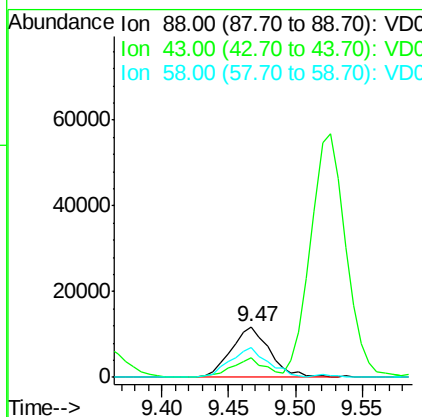
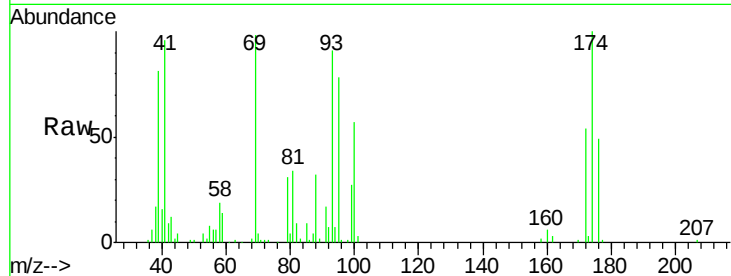
#49
1,4-Dioxane
Concen: 1815.194 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	23616		
43	34.2		30.1	45.1
58	58.3		42.4	63.6

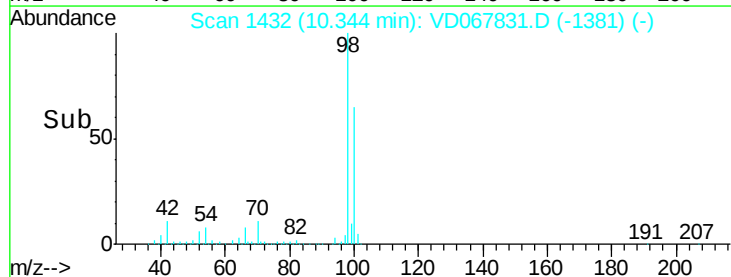
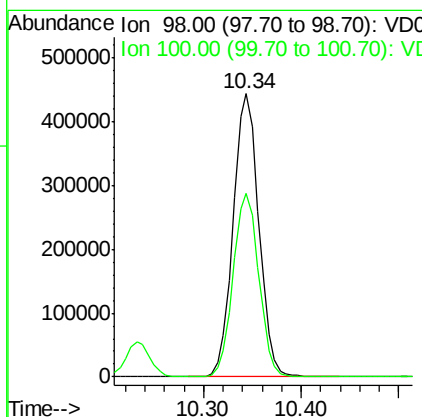
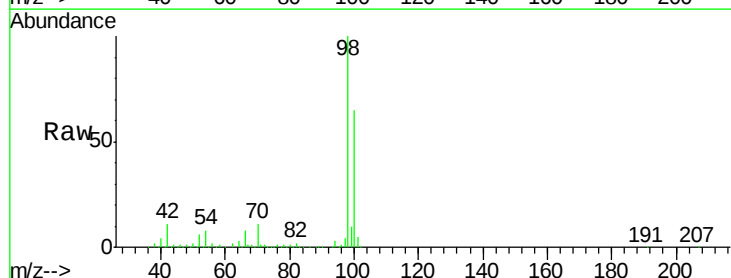
Manual Integrations
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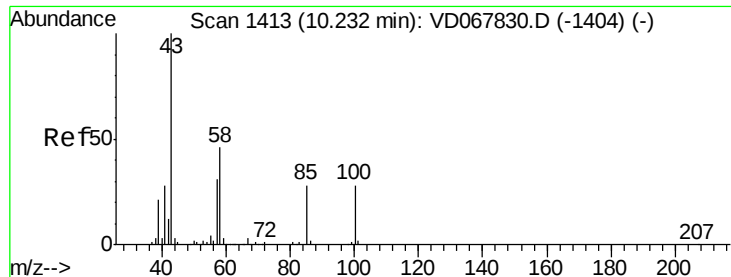
MMDadoda
12/2/2020 12:24:03 PM



#50
Toluene-d8
Concen: 99.944 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	810908		
100	64.7		52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 486.770 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 356248

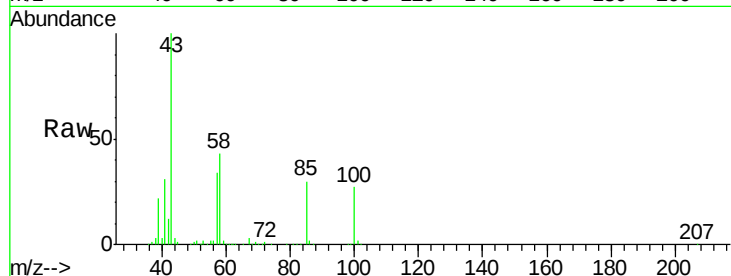
Ion Ratio Lower Upper

43 100

58 44.7 35.7 53.5

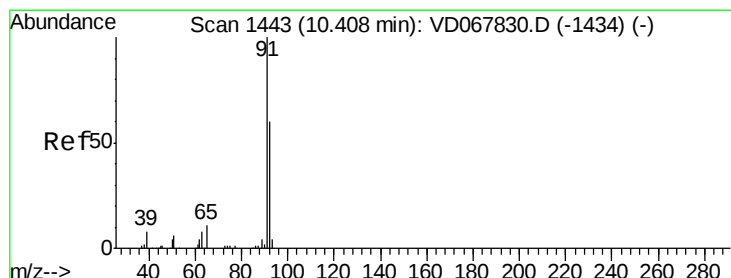
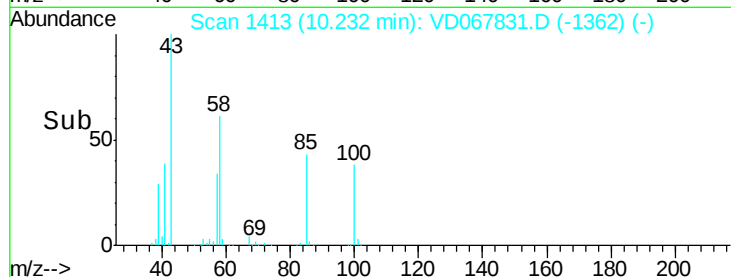
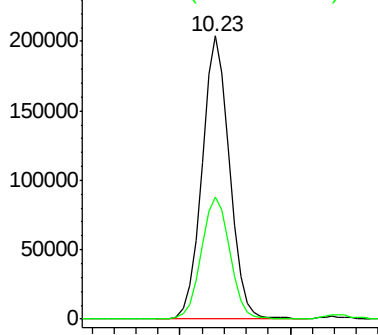
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 95.688 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067831.D

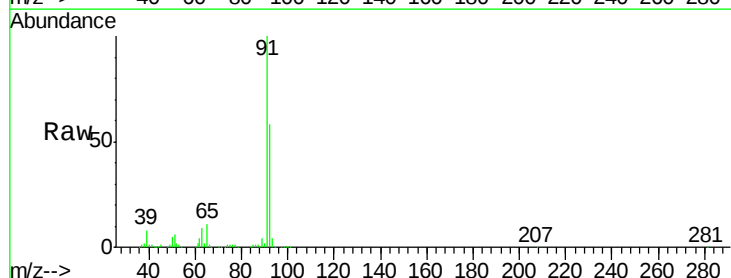
Acq: 01 Dec 2020 12:22

Tgt Ion: 92 Resp: 533792

Ion Ratio Lower Upper

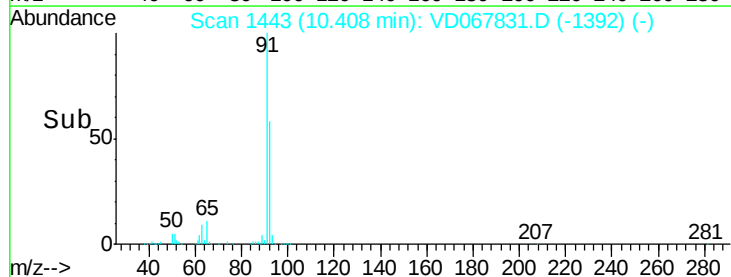
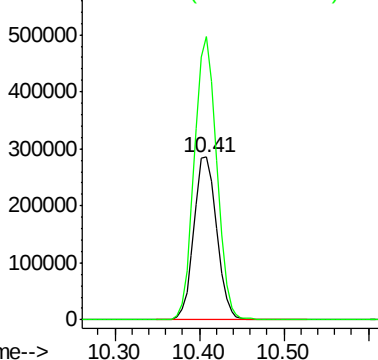
92 100

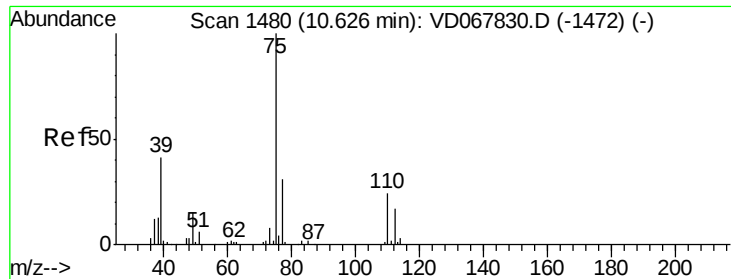
91 170.0 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





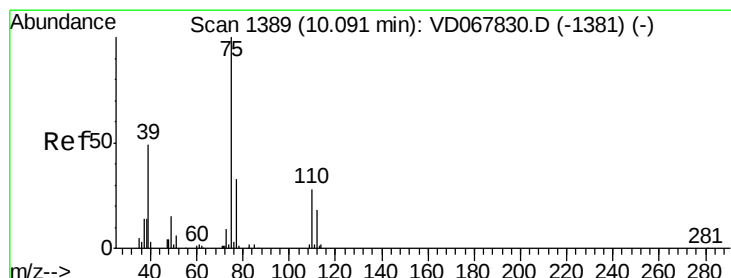
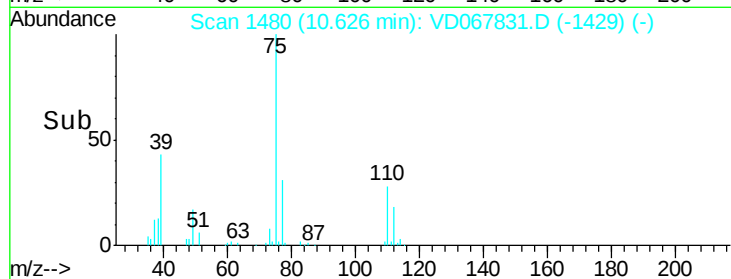
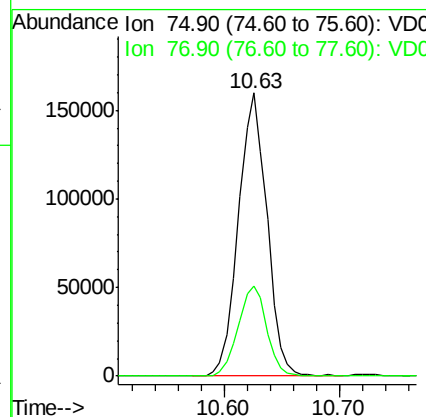
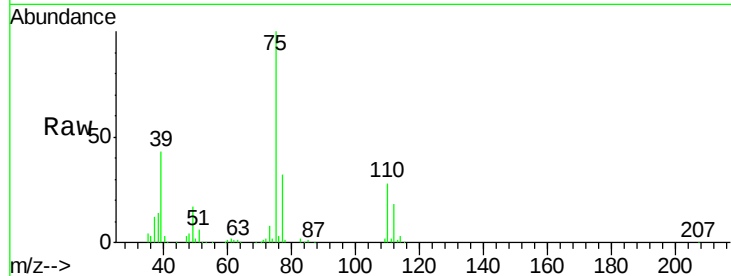
#53
t-1,3-Dichloropropene
Concen: 97.743 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

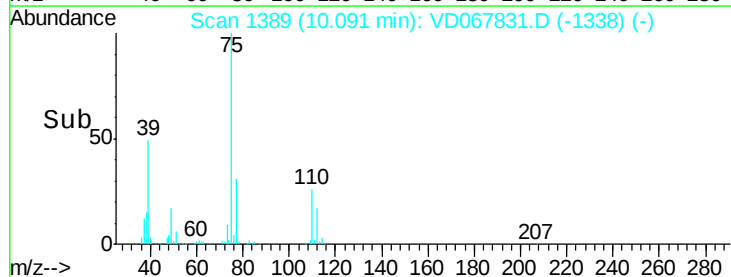
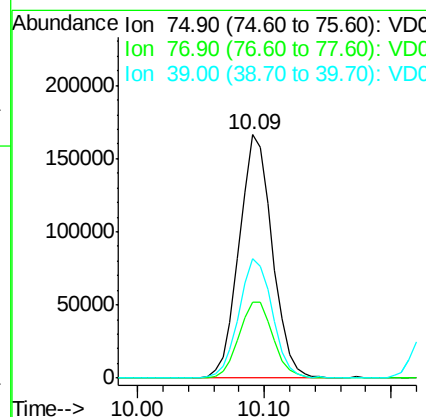
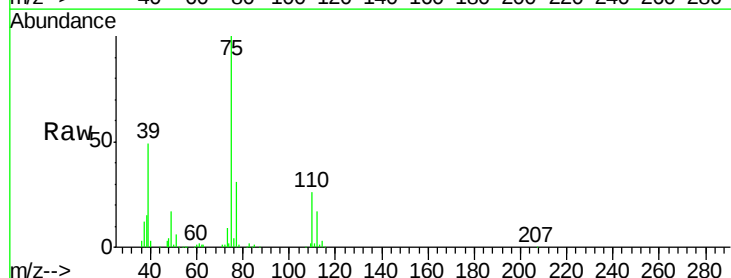
Manual Integrations
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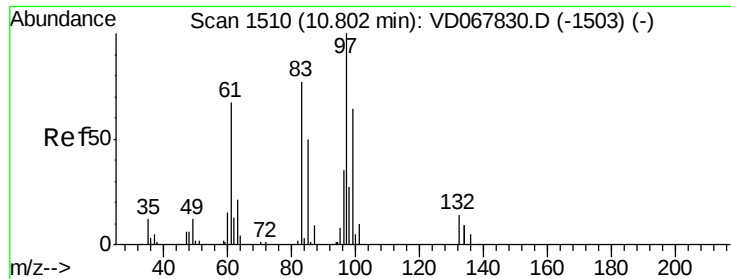
MMDadoda
12/2/2020 12:24:03 PM



#54
cis-1,3-Dichloropropene
Concen: 99.017 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.2
39	48.7	39.0	58.4





#55

1,1,2-Trichloroethane

Concen: 92.866 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

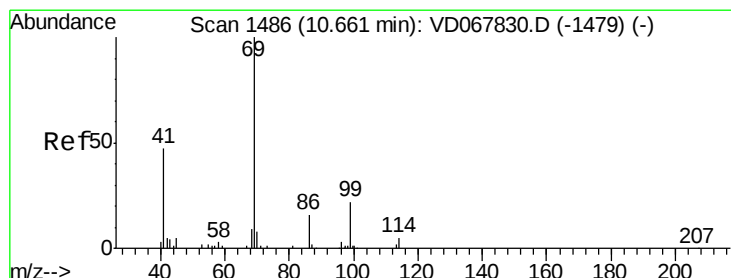
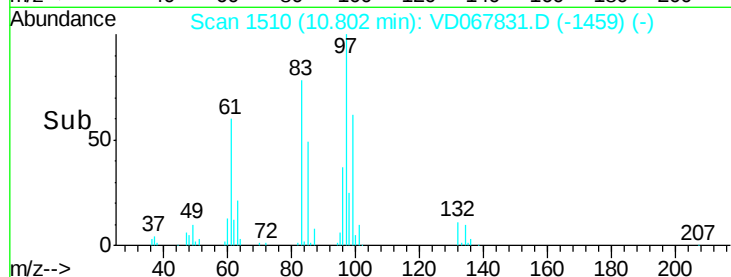
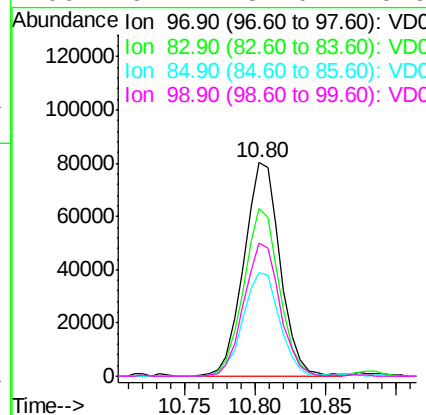
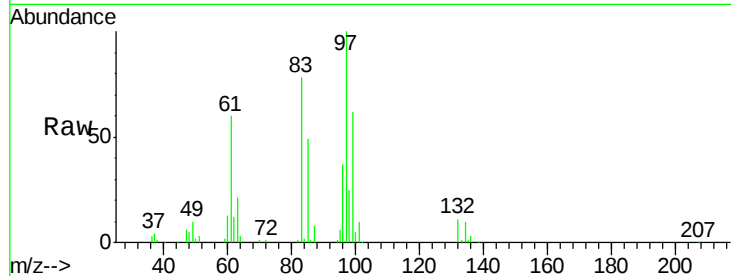
VSTDIC100

Tot Ion: 97 Resp: 144702

Ion	Ratio	Lower	Upper
97	100		
83	78.4	61.9	92.9
85	48.8	40.2	60.4
99	62.4	51.0	76.6

Manual Integrations
APPROVED

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12/2/2020 12:24:03 PM



#56

Ethyl methacrylate

Concen: 99.670 ug/l

RT: 10.67 min Scan# 1487

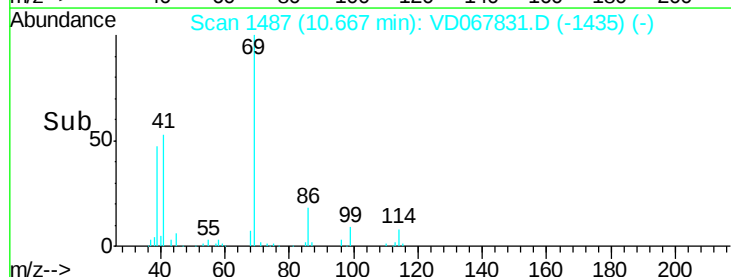
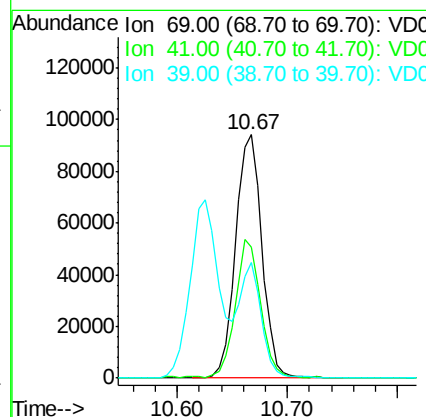
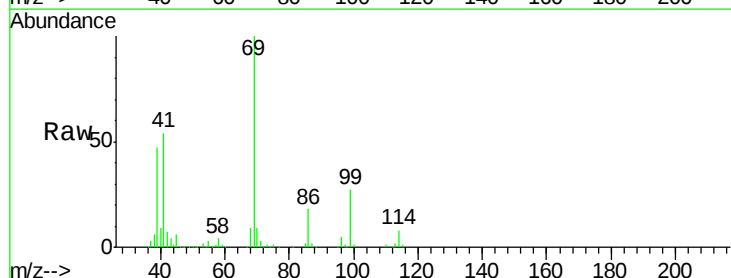
Delta R.T. 0.01 min

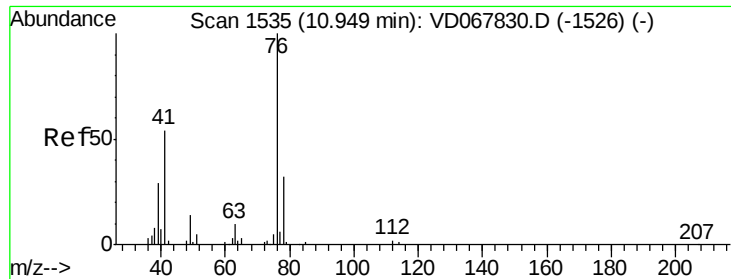
Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion: 69 Resp: 158013

Ion	Ratio	Lower	Upper
69	100		
41	53.5	42.8	64.2
39	39.3	30.5	45.7





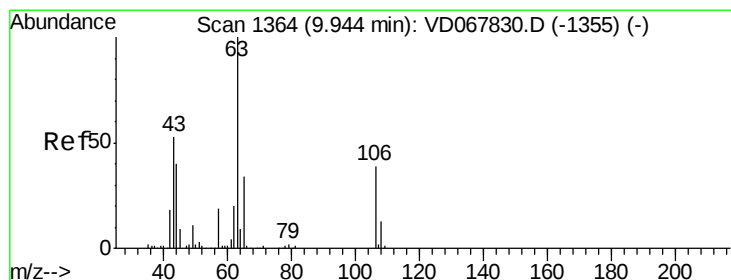
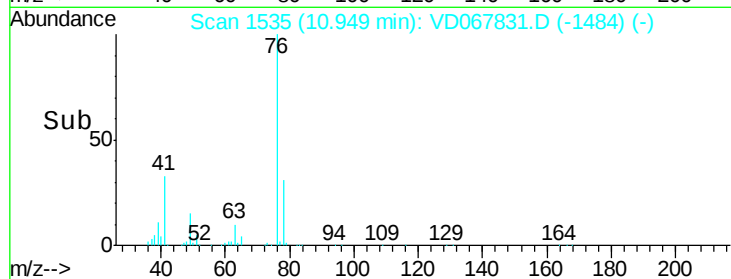
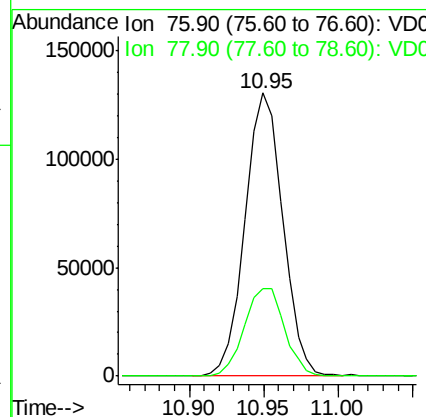
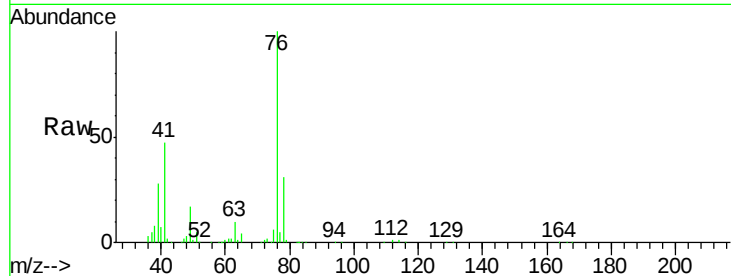
#57
 1,3-Dichloropropane
 Concen: 92.713 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 228838
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 39.8

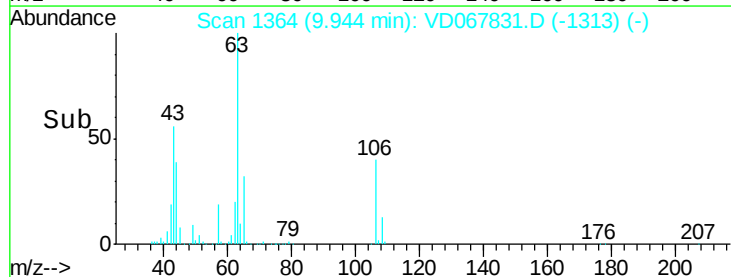
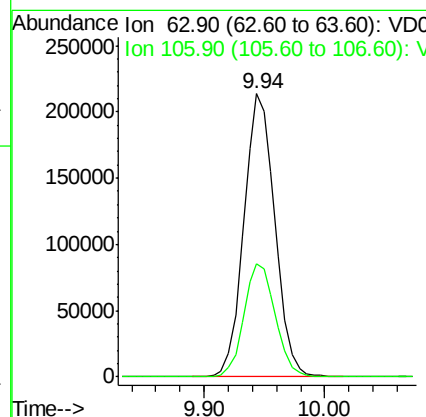
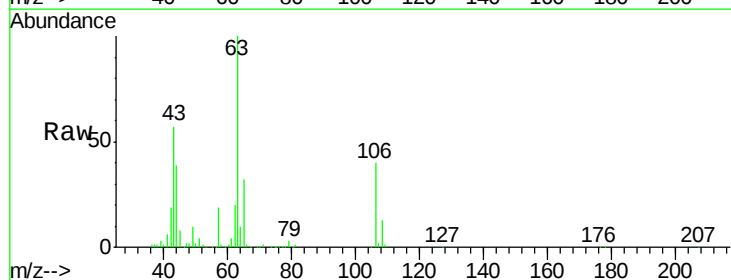
Manual Integrations
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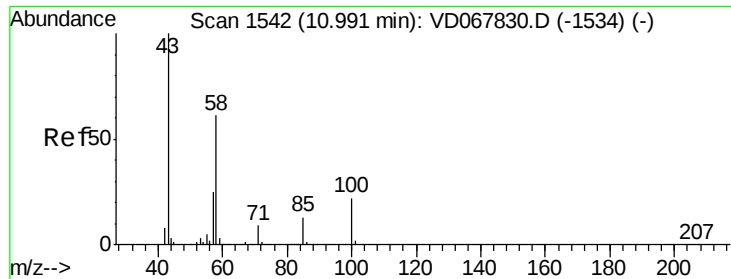
MMDadoda
 12/2/2020 12:24:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 528.364 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 63 Resp: 381160
 Ion Ratio Lower Upper
 63 100
 106 40.7 32.0 48.0





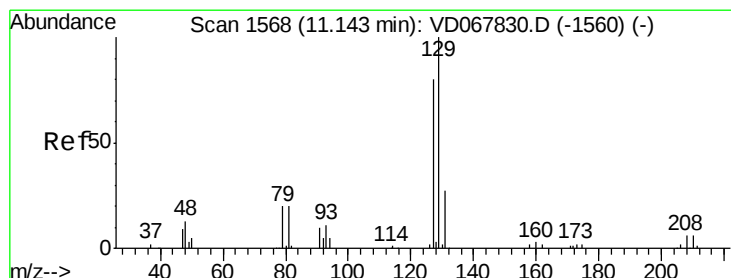
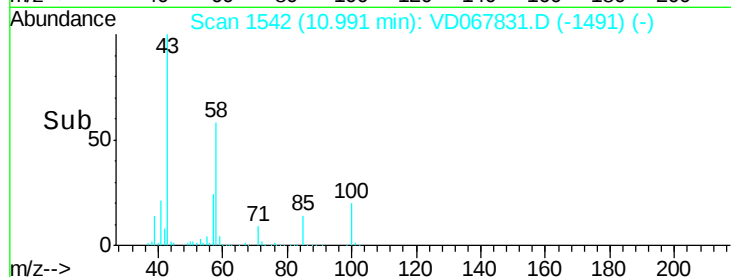
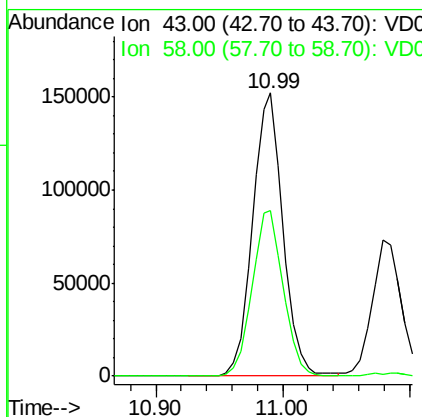
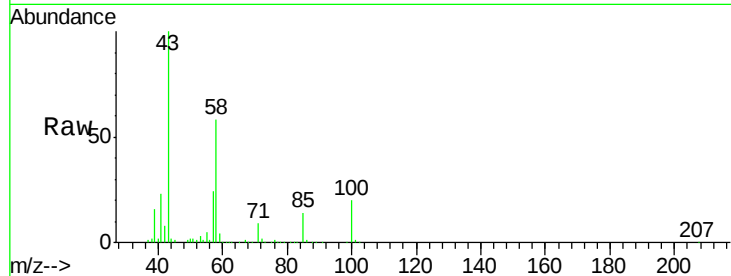
#59
2-Hexanone
Concen: 489.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 252783
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.7

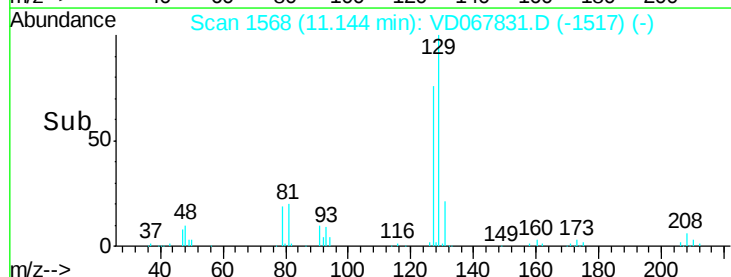
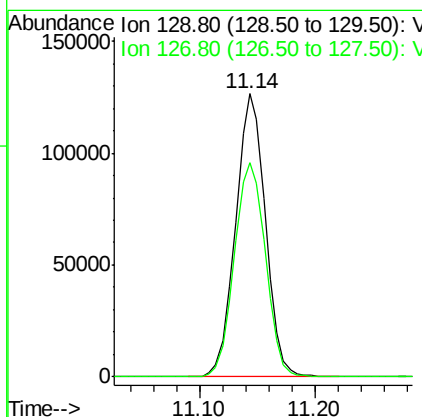
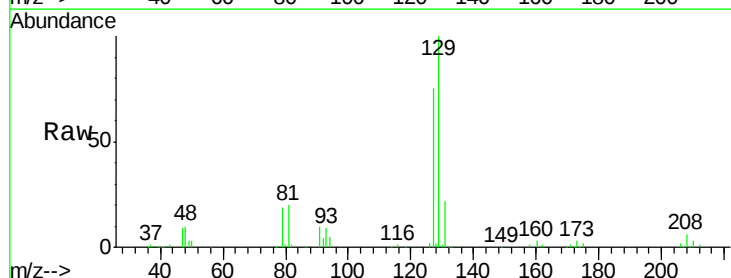
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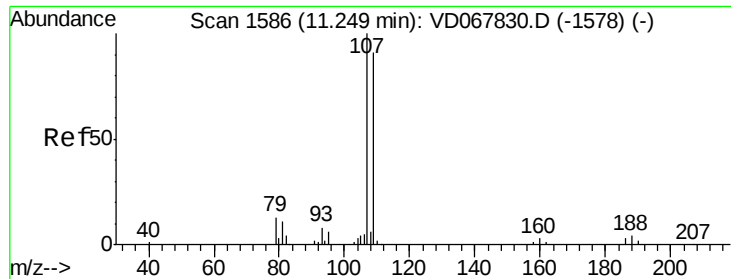
MMDadoda
12/2/2020 12:24:03 PM



#60
Dibromochloromethane
Concen: 96.169 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 129 Resp: 225885
Ion Ratio Lower Upper
129 100
127 79.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 94.757 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 145196

Ion Ratio Lower Upper

107 100

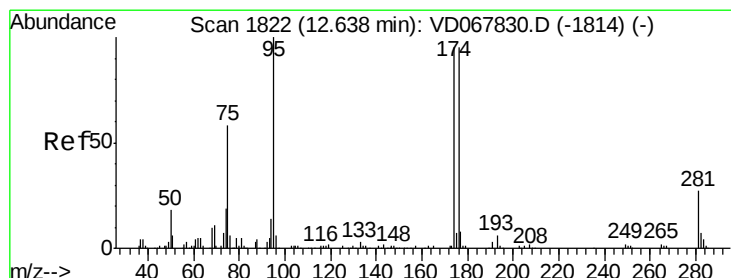
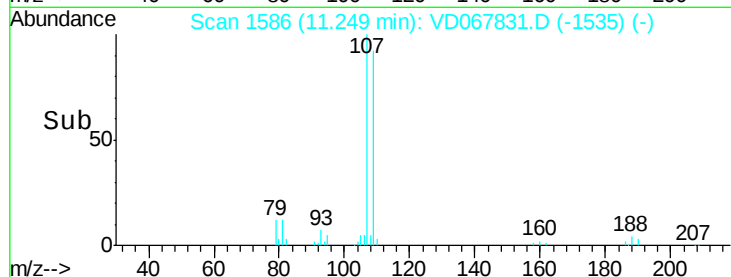
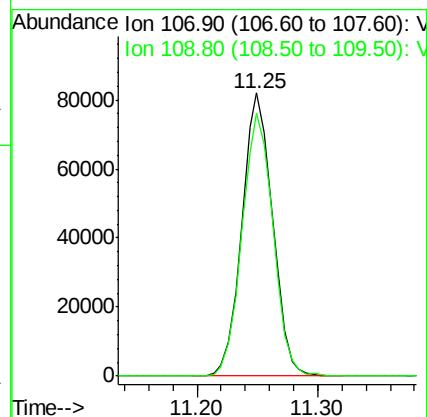
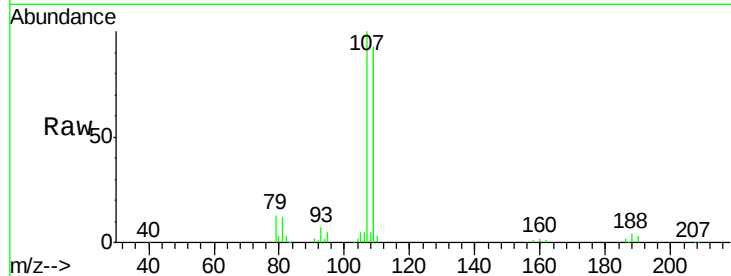
109 94.3 75.9 113.9

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 99.707 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

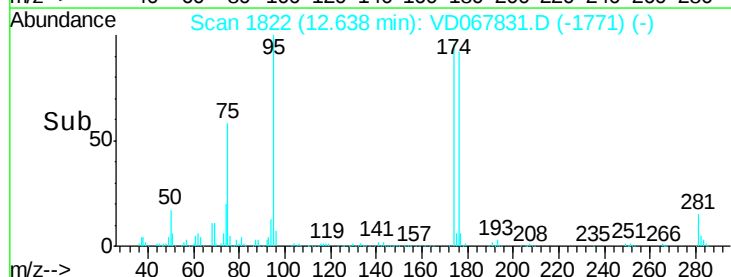
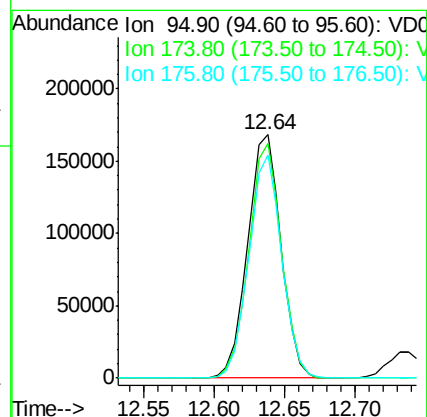
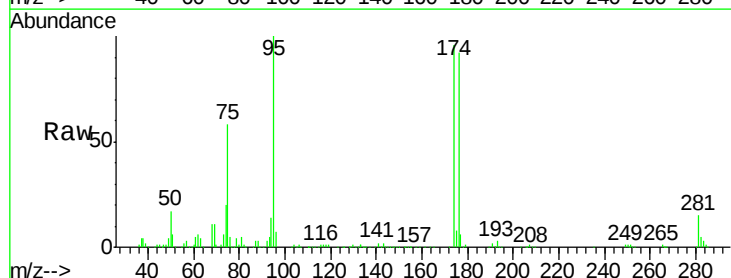
Tgt Ion: 95 Resp: 279689

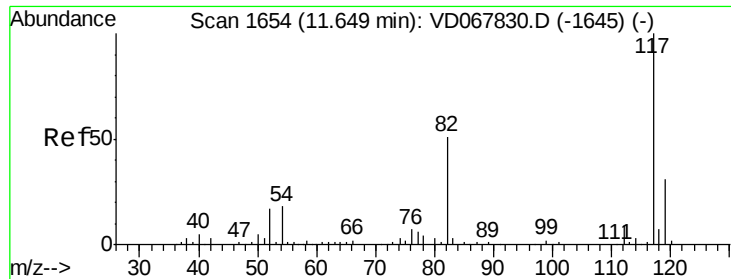
Ion Ratio Lower Upper

95 100

174 94.6 0.0 186.0

176 89.8 0.0 184.2





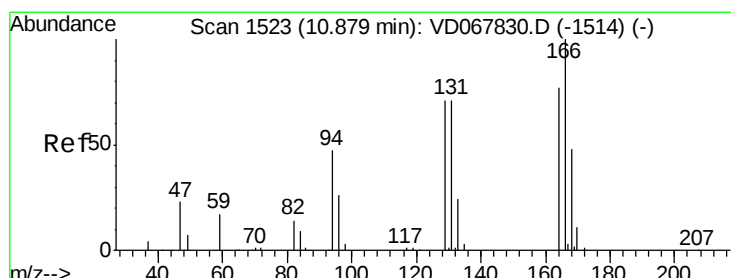
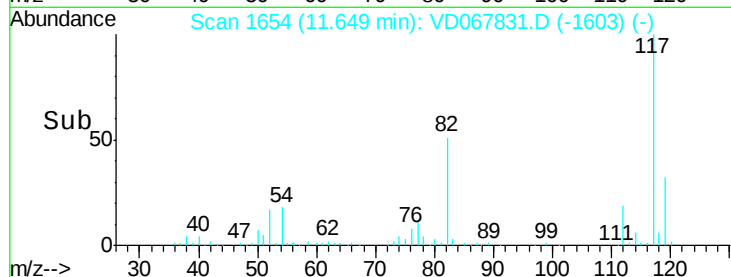
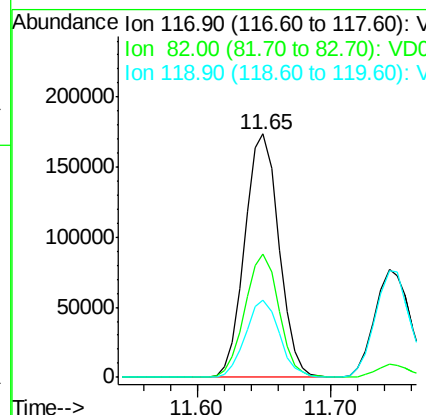
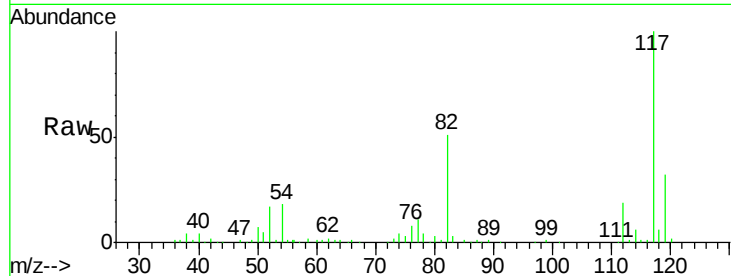
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306978		
82	50.7		40.6	60.8
119	31.7		25.1	37.7

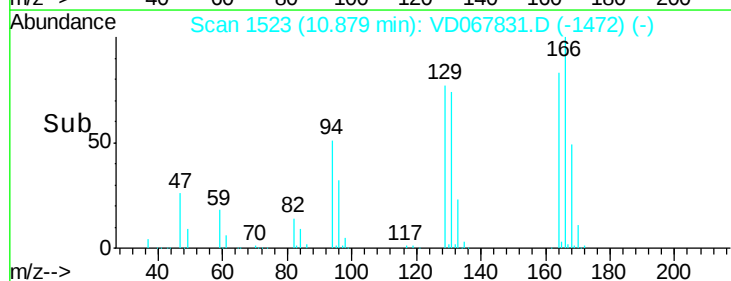
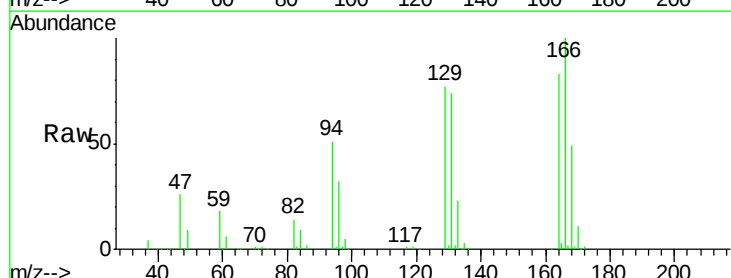
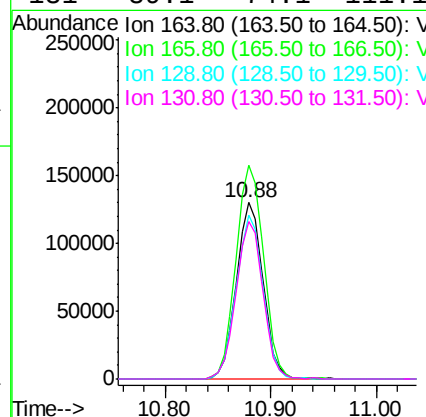
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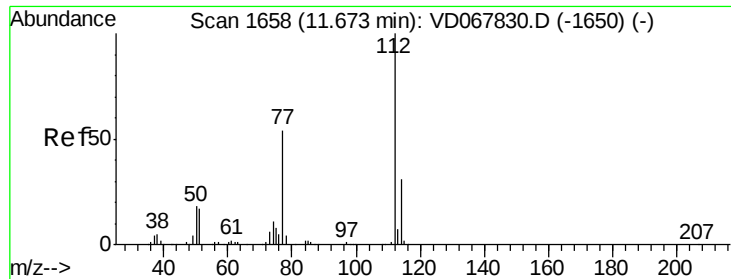
MMDadoda
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#64
Tetrachloroethene
Concen: 90.615 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226897		
166	121.0		103.8	155.6
129	92.7		73.3	109.9
131	89.1		74.1	111.1





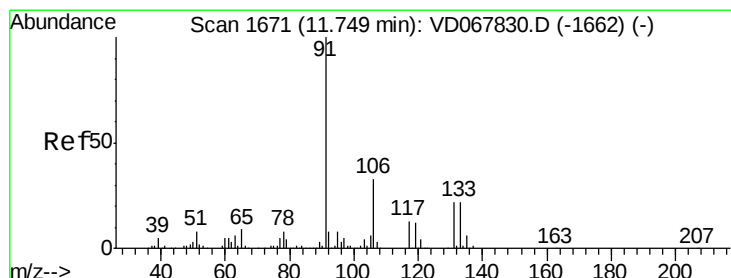
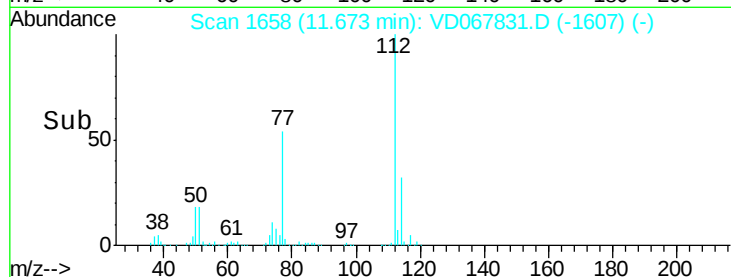
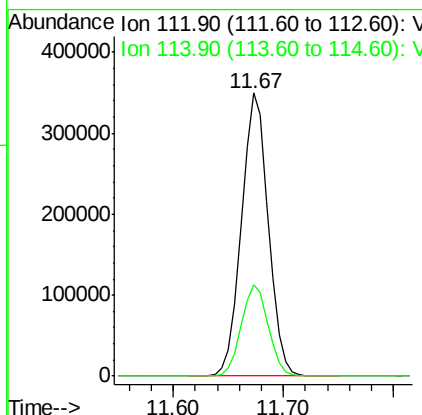
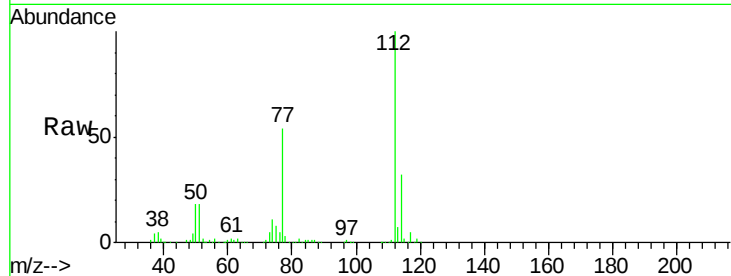
#65
Chlorobenzene
Concen: 94.334 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.0	37.4

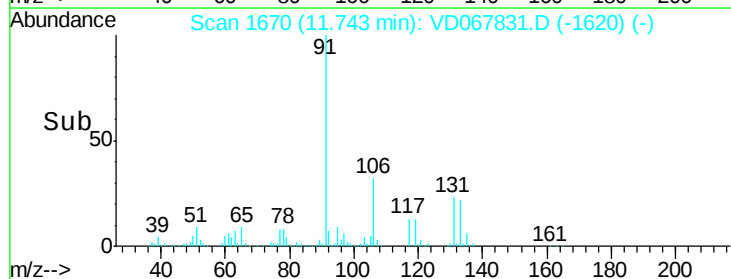
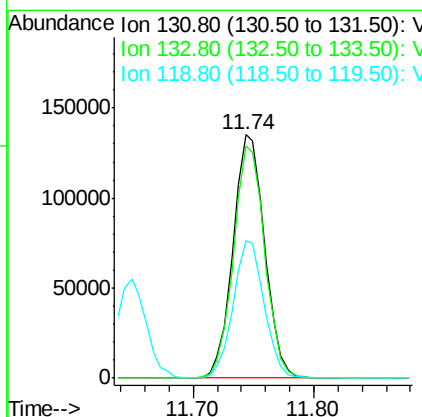
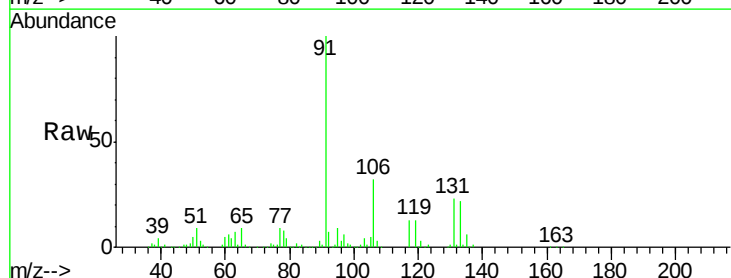
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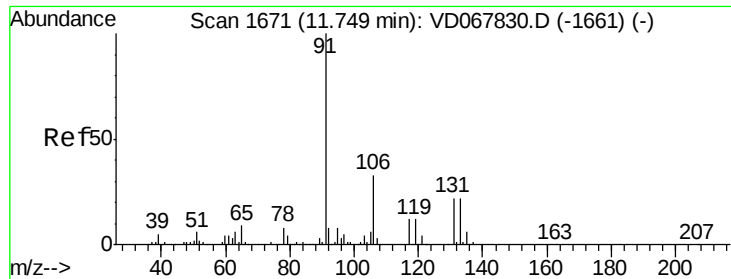
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 95.403 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	49.9	149.7
119	55.4	29.6	88.9





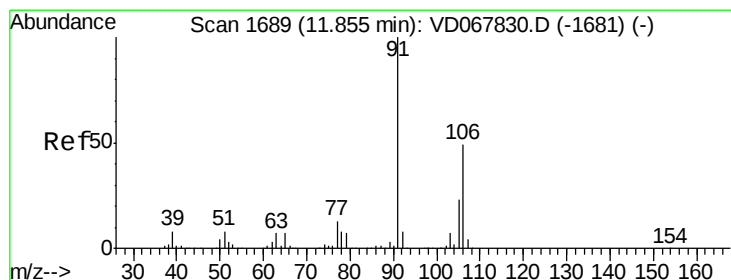
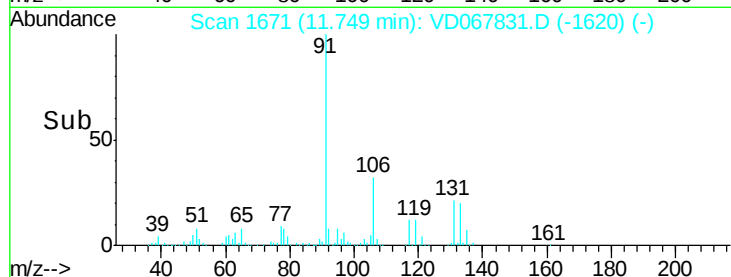
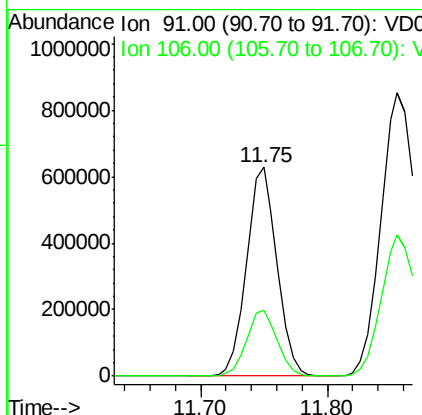
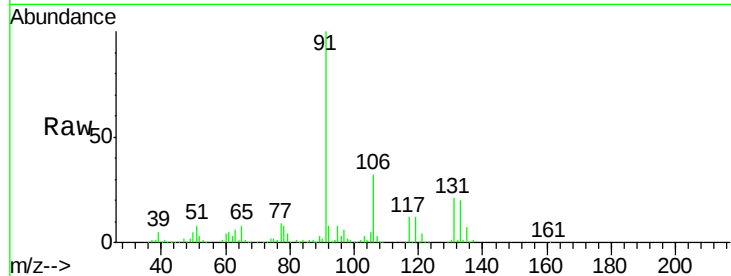
#67
Ethyl Benzene
Concen: 96.760 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1044060
Ion Ratio Lower Upper
91 100
106 31.5 26.2 39.2

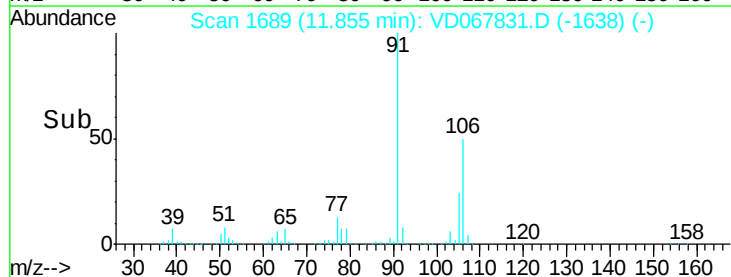
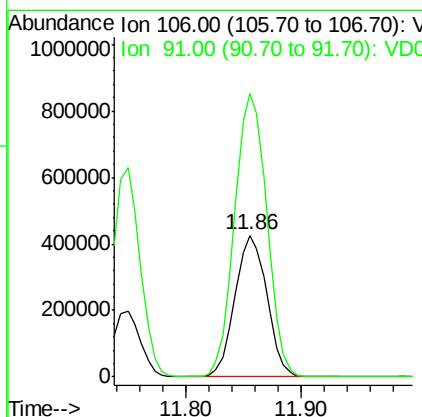
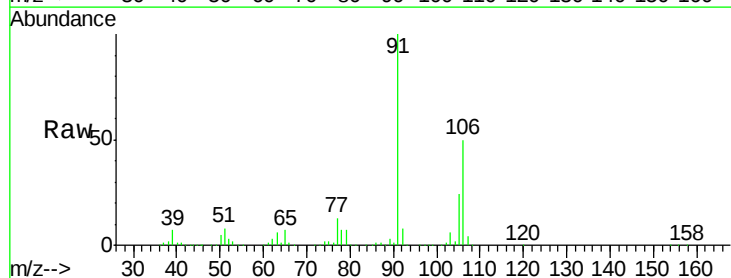
Manual Integrations
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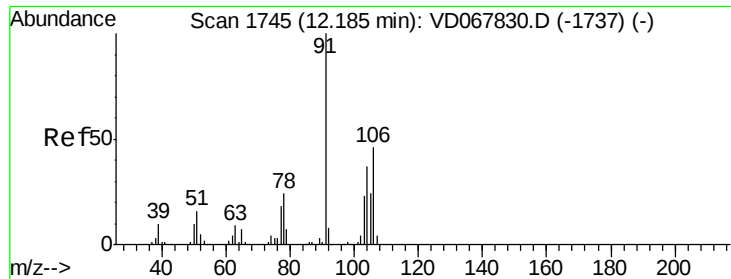
MMDadoda
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#68
m/p-Xylenes
Concen: 191.886 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 106 Resp: 816414
Ion Ratio Lower Upper
106 100
91 202.2 162.8 244.2





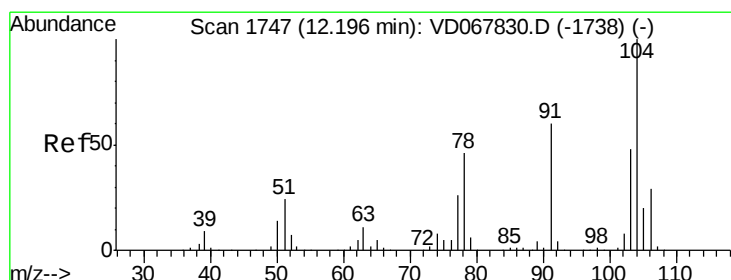
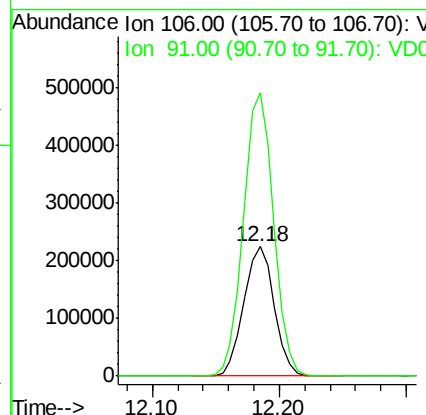
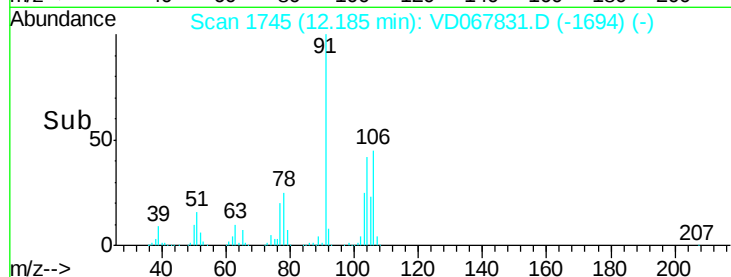
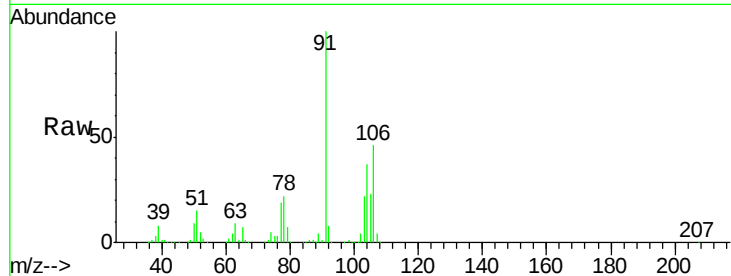
#69
o-Xylene
Concen: 98.740 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.2	107.5	372958	322.5	

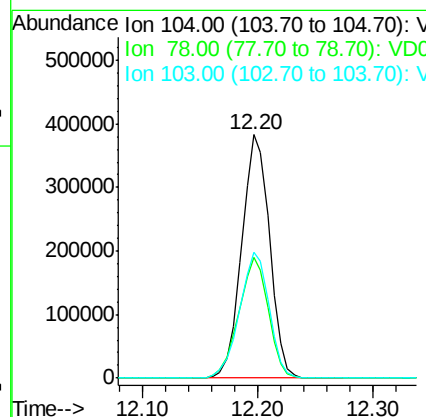
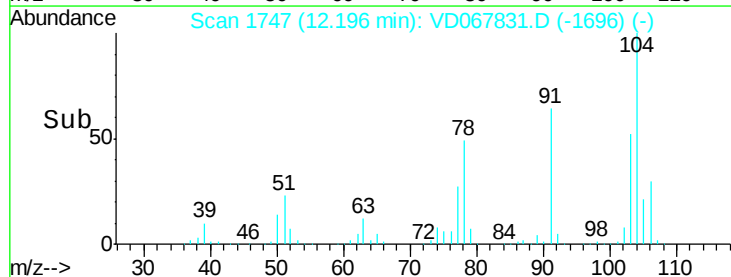
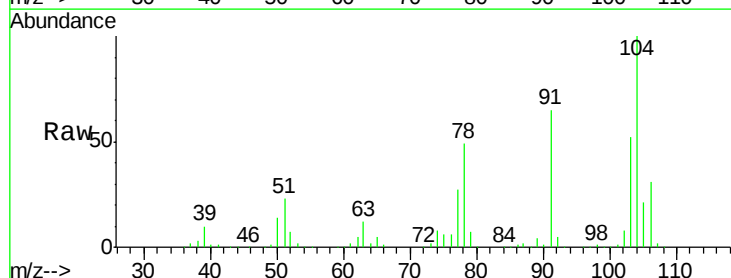
Manual Integrations
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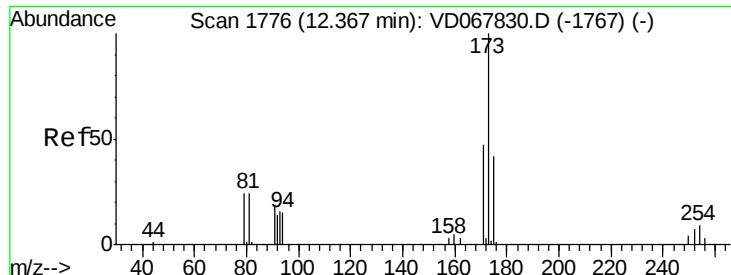
MMDadoda
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#70
Styrene
Concen: 97.200 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.6	41.6	638406	62.4	
103	54.7	43.2		64.8	





#71

Bromoform

Concen: 95.507 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

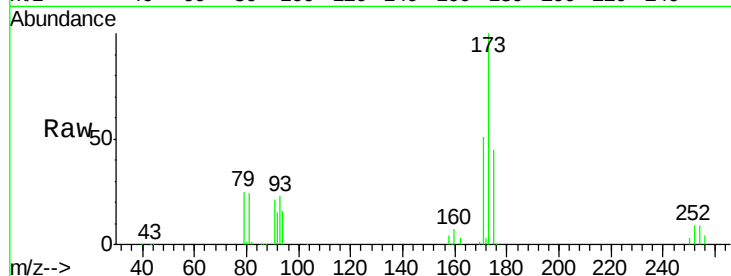
ClientSampleId :

VSTDICC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.3
254	0.1	0.1	0.1

Manual Integrations
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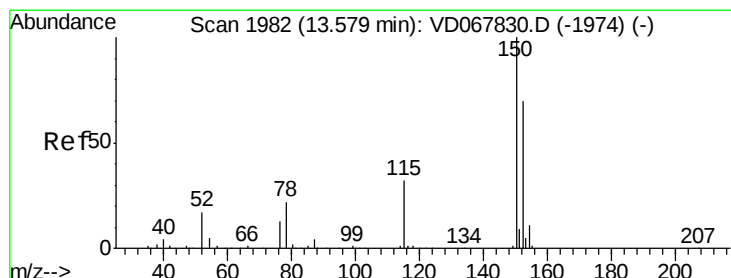
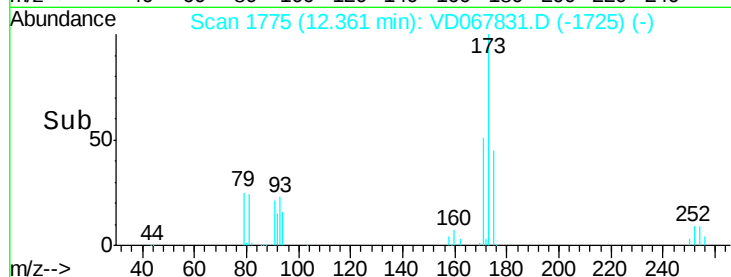
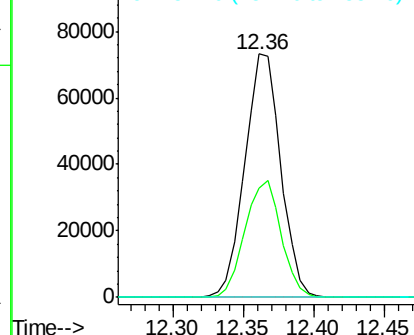


Abundance

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

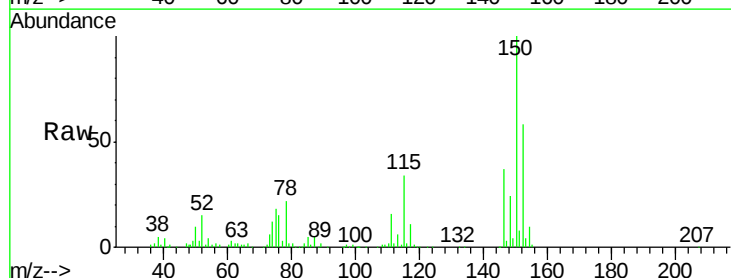
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.1	87.4
150	193.0	0.0	339.0

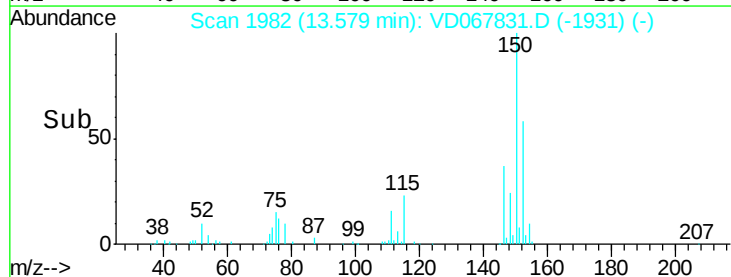
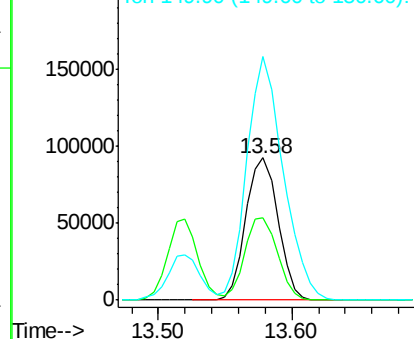


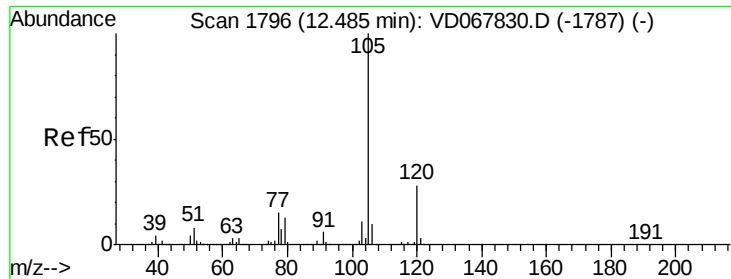
Abundance

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: 99.830 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 1062282

Ion Ratio Lower Upper

105 100

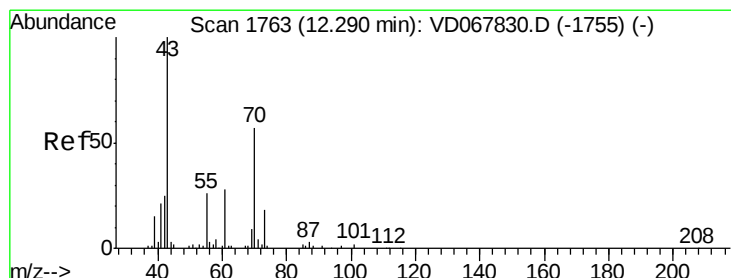
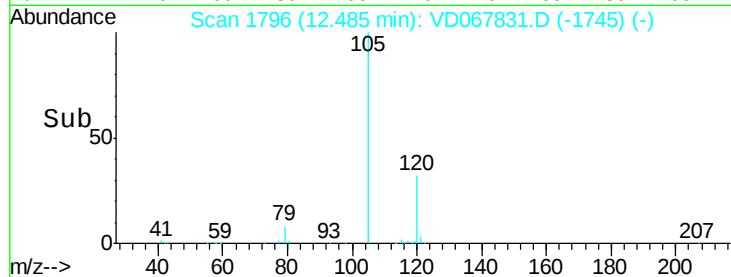
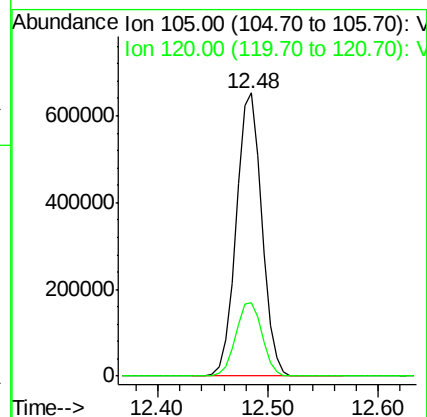
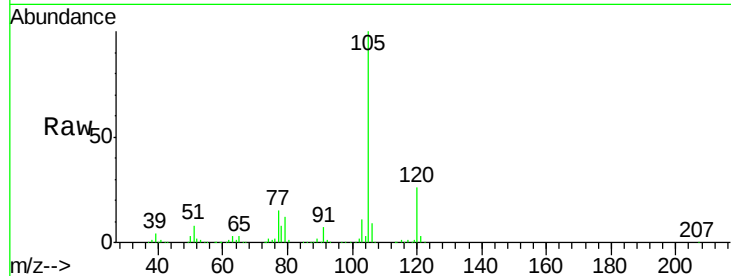
120 26.9 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 102.294 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion: 43 Resp: 134642

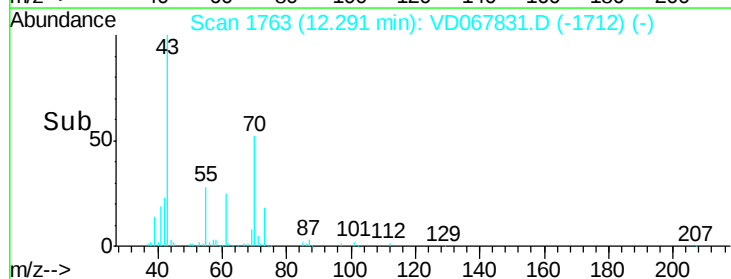
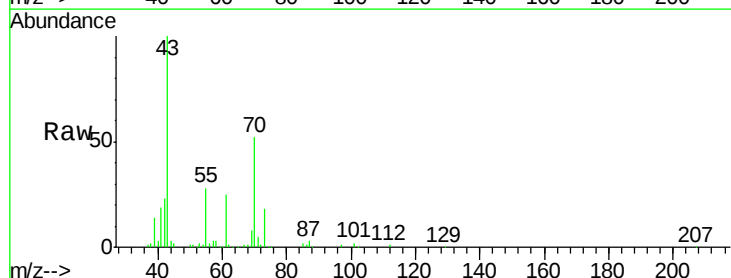
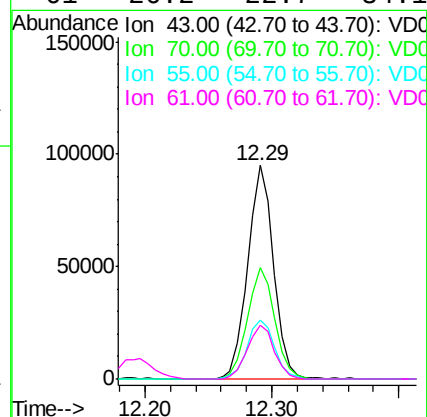
Ion Ratio Lower Upper

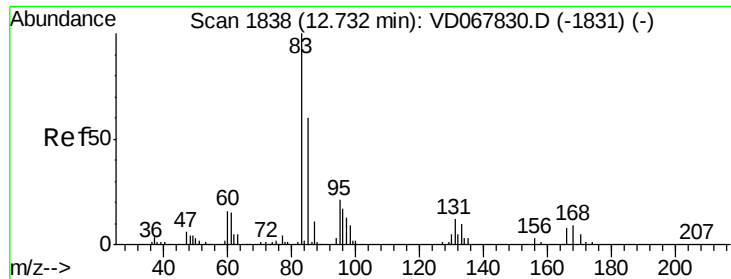
43 100

70 54.6 44.6 66.8

55 29.2 22.2 33.2

61 26.2 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 92.109 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

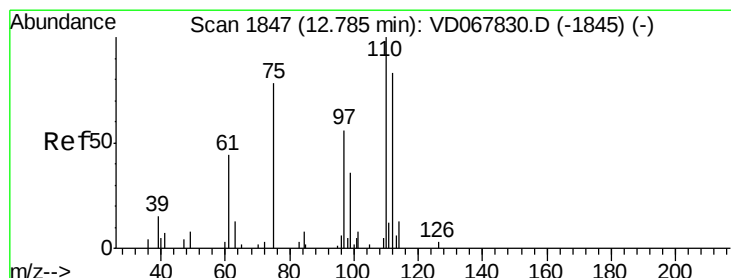
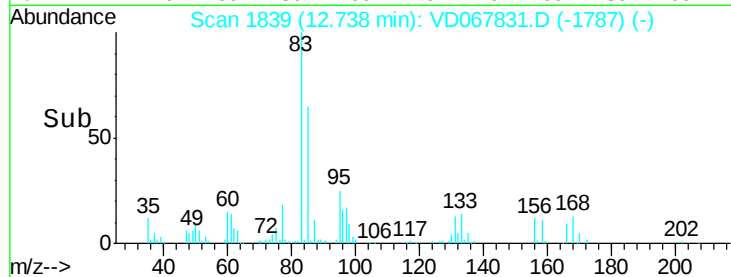
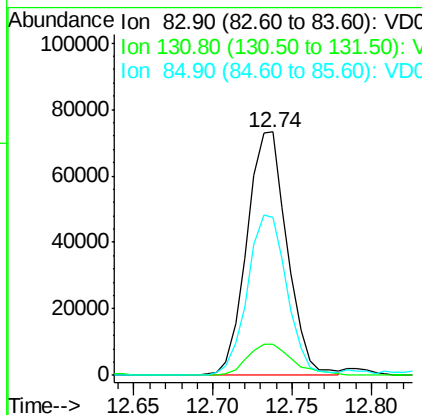
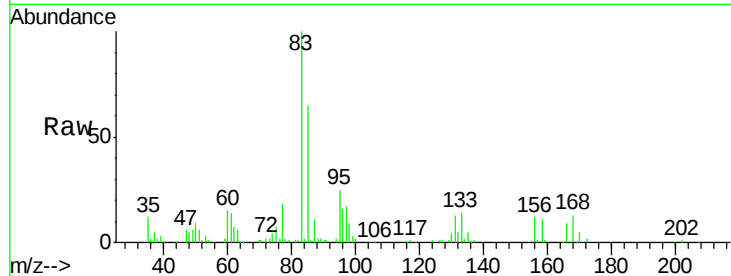
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	129400
Ion Ratio	Lower	Upper	
83	100		
131	14.5	8.0	24.0
85	65.0	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 88.389 ug/l m

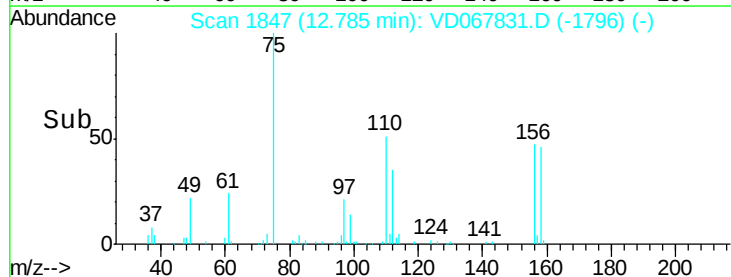
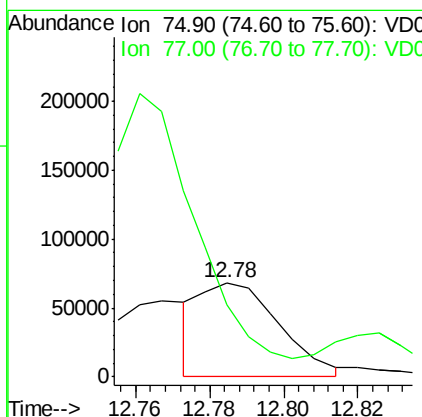
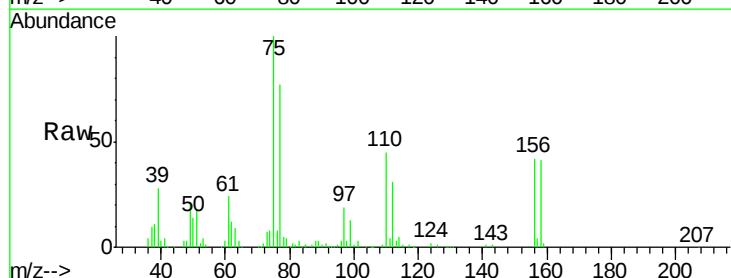
RT: 12.78 min Scan# 1847

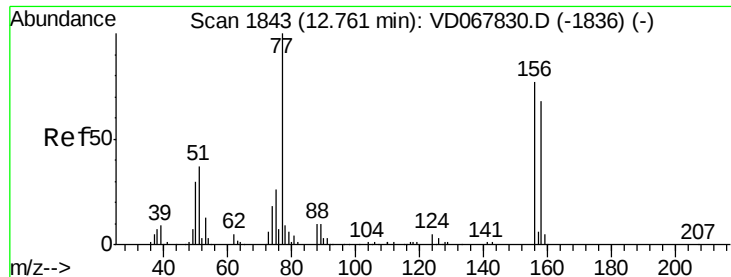
Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion:	75	Resp:	101710
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





#77

Bromobenzene

Concen: 97.469 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 257844

Ion Ratio Lower Upper

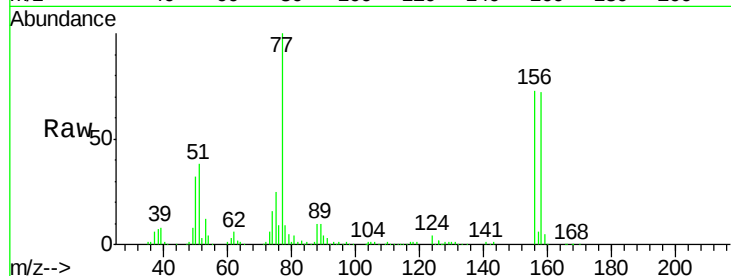
156 100

77 145.4 71.5 214.5

158 98.0 47.1 141.4

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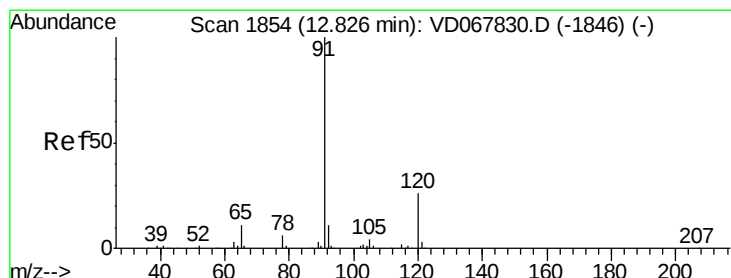
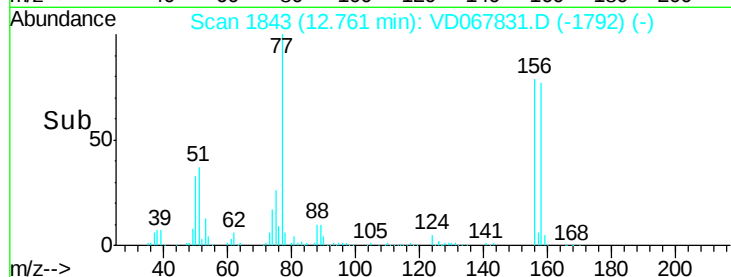
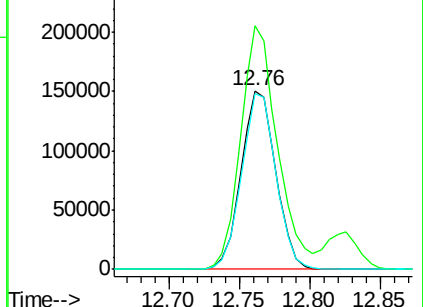
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 98.896 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067831.D

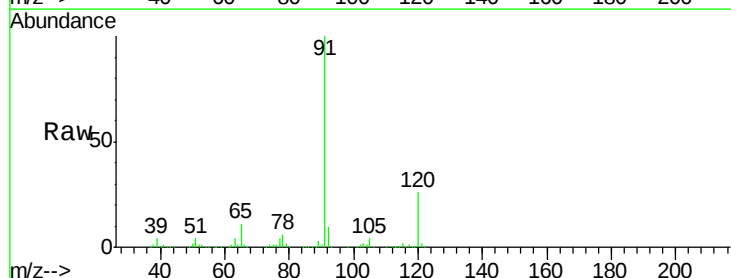
Acq: 01 Dec 2020 12:22

Tgt Ion: 91 Resp: 1166364

Ion Ratio Lower Upper

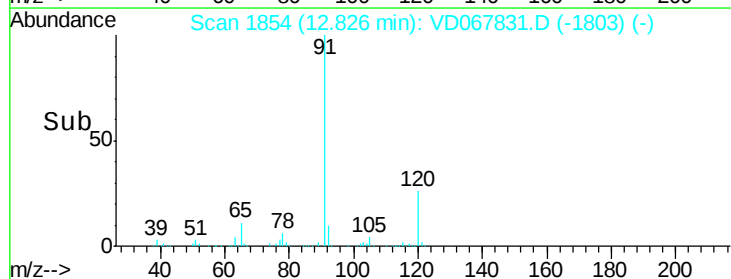
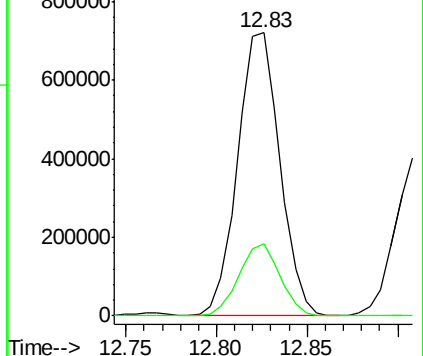
91 100

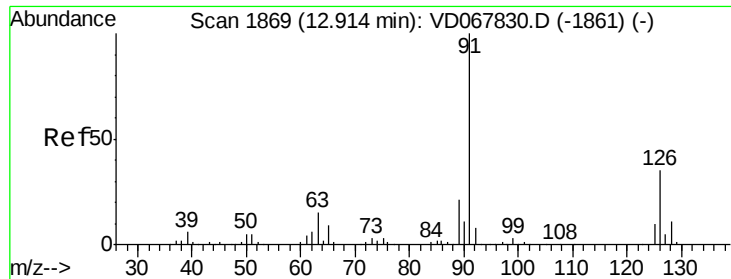
120 24.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.044 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 680250

Ion Ratio Lower Upper

91 100

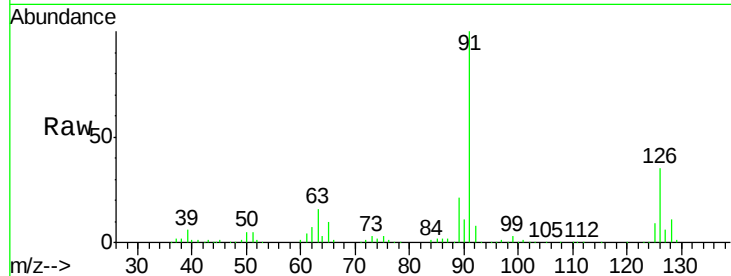
126 36.5 17.9 53.7

Manual Integrations

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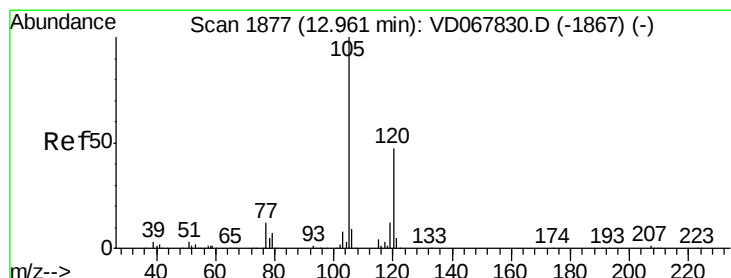
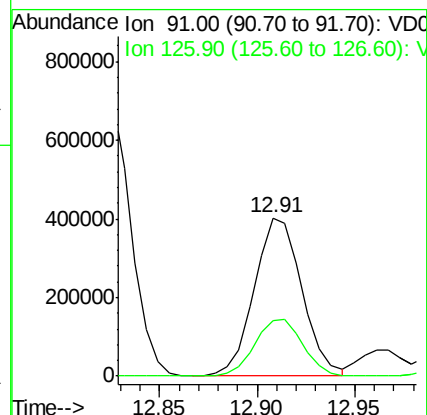
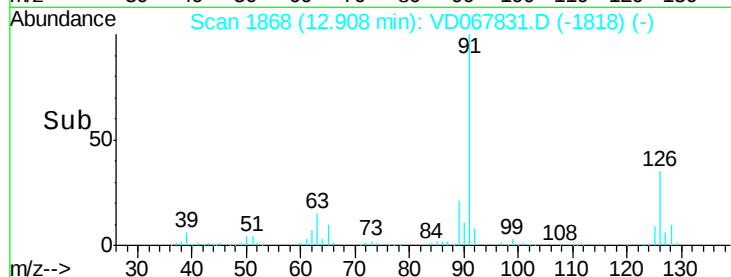
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 99.971 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067831.D

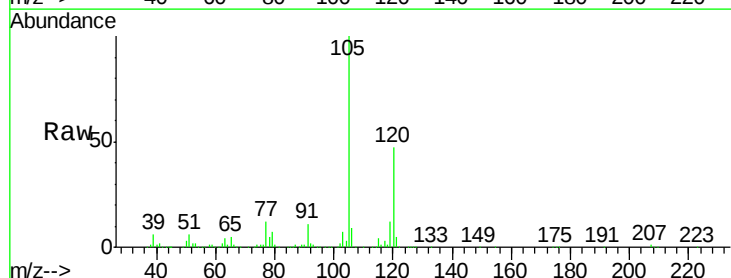
Acq: 01 Dec 2020 12:22

Tgt Ion: 105 Resp: 921026

Ion Ratio Lower Upper

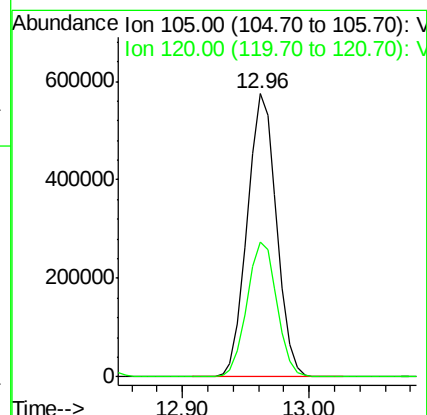
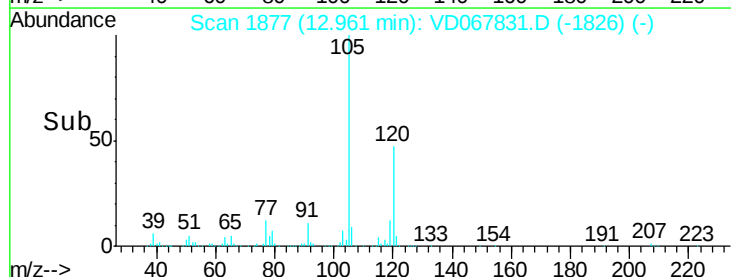
105 100

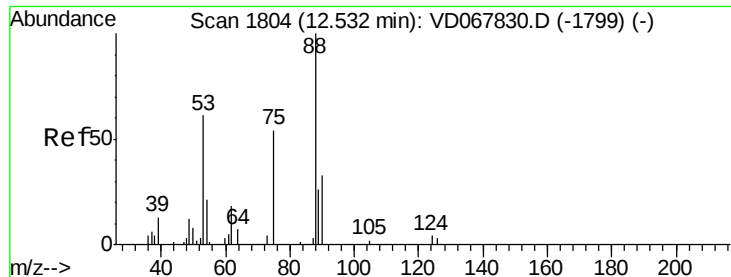
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.190 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

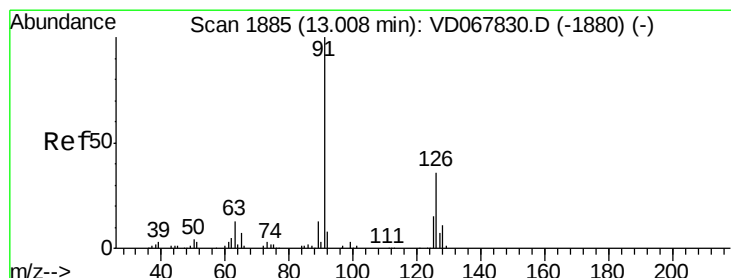
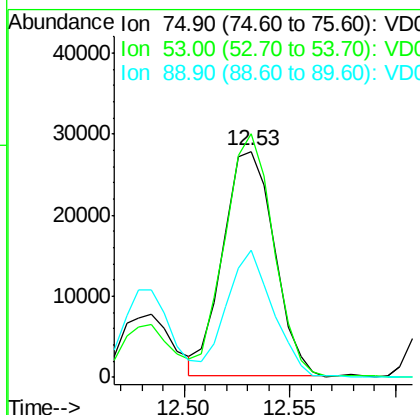
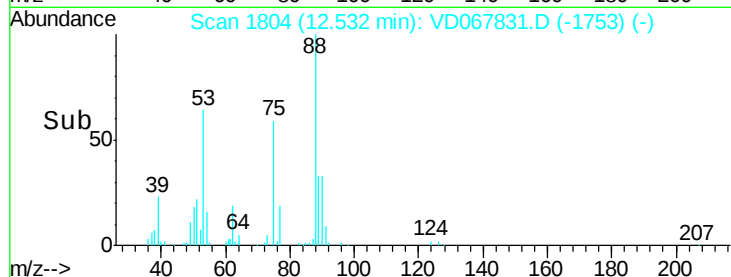
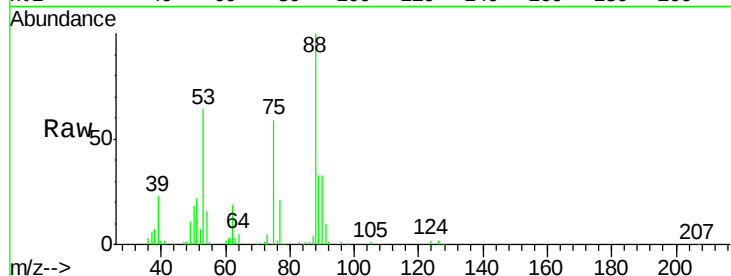
ClientSampleId :

VSTDICC100

Tot Ion:	75	Resp:	46724
Ion	Ratio	Lower	Upper
75	100		
53	104.0	84.6	127.0
89	50.9	41.0	61.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 98.241 ug/l

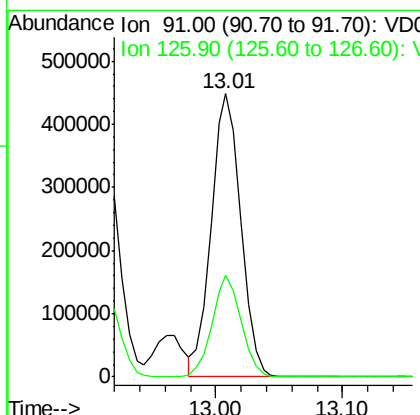
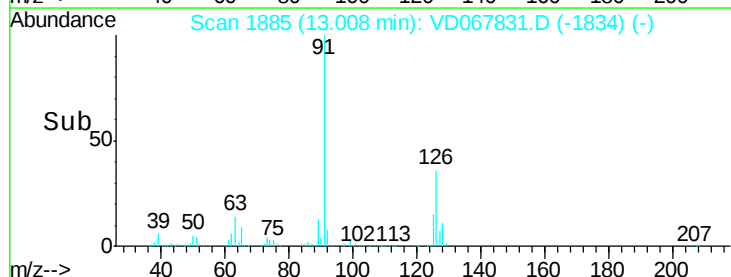
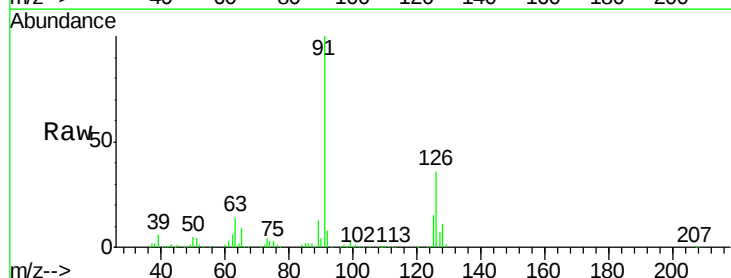
RT: 13.01 min Scan# 1885

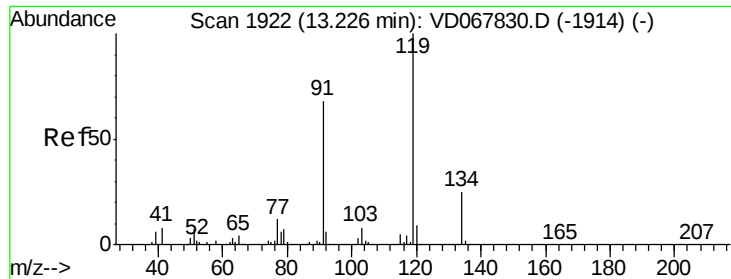
Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion:	91	Resp:	727100
Ion	Ratio	Lower	Upper
91	100		
126	35.2	18.1	54.4





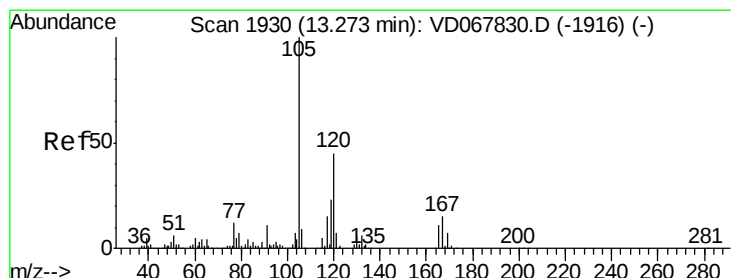
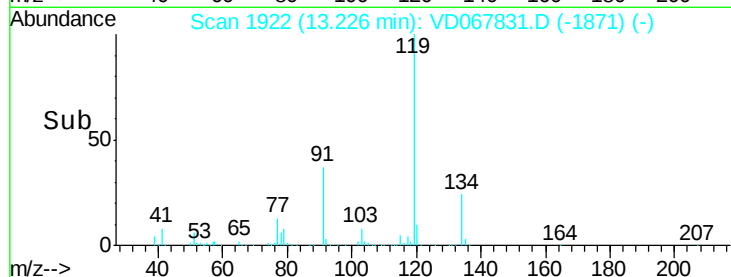
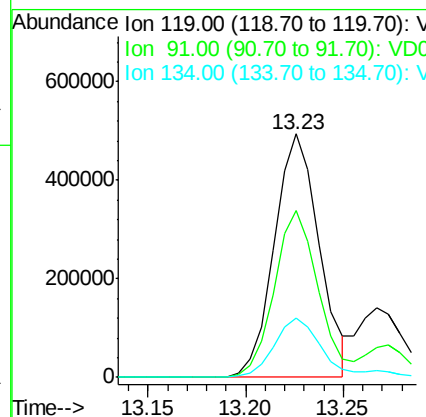
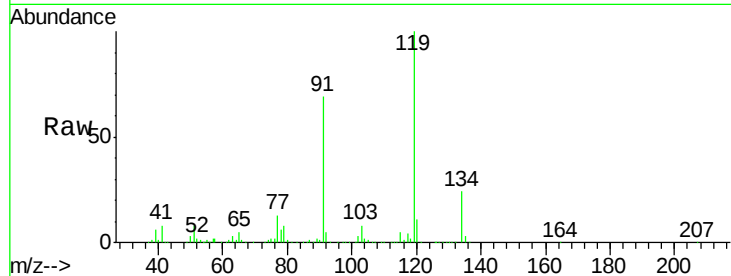
#83
tert-Butylbenzene
Concen: 100.193 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.1	99.3
134	26.8	13.6	40.8

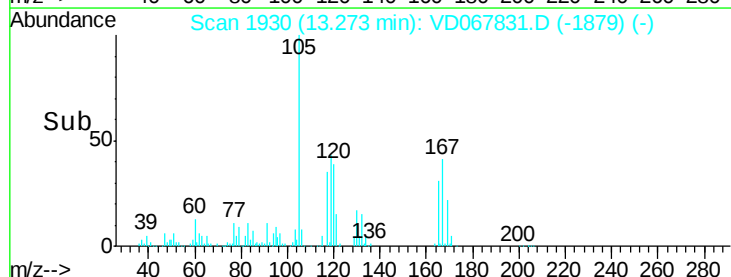
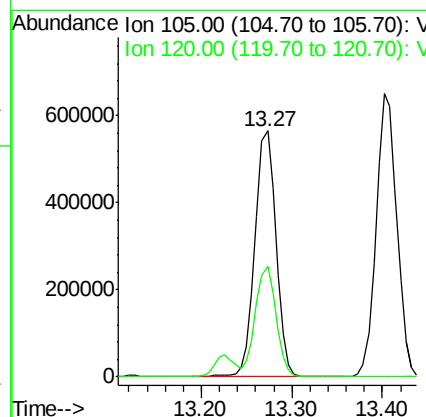
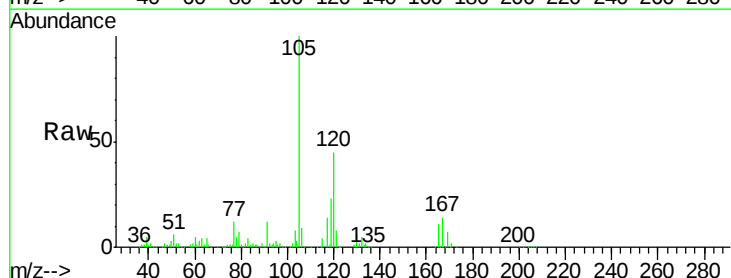
Manual Integrations
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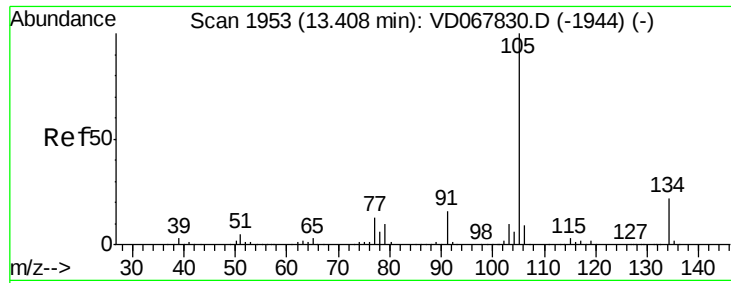
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#84
1,2,4-Trimethylbenzene
Concen: 99.585 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





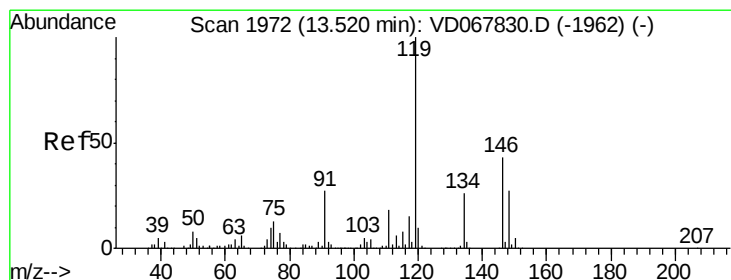
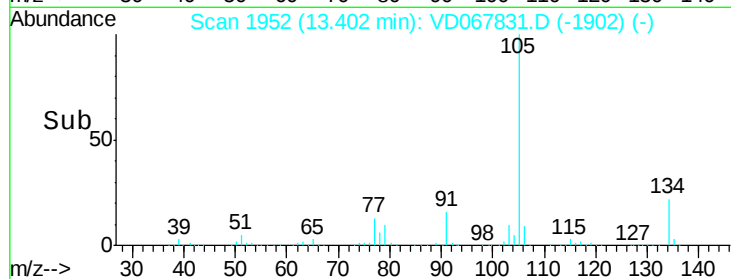
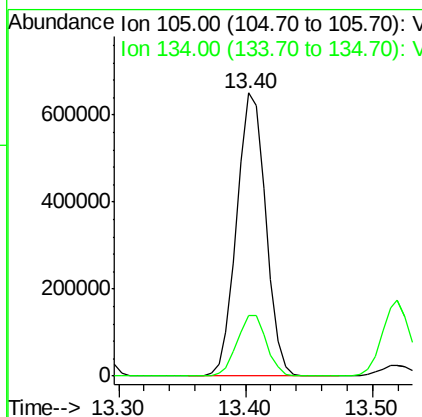
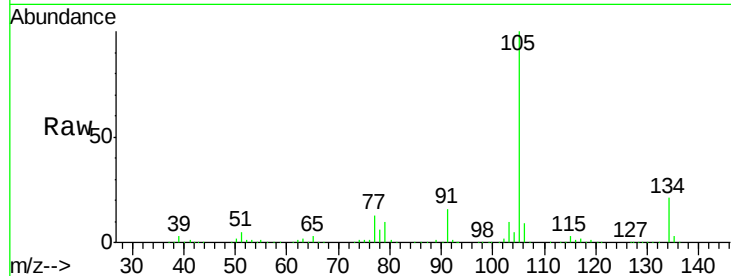
#85
 sec-Butylbenzene
 Concen: 98.469 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1030364
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.9 32.9

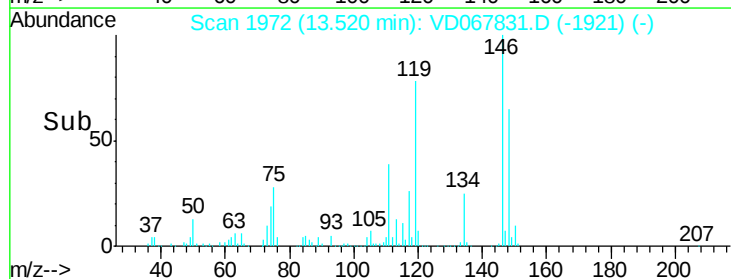
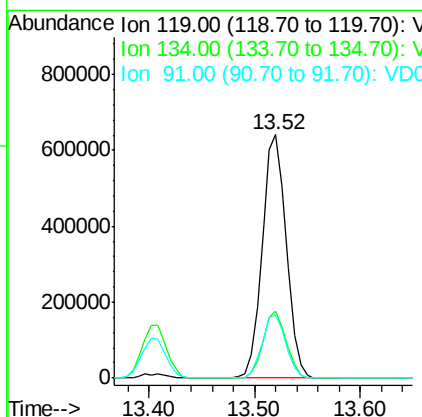
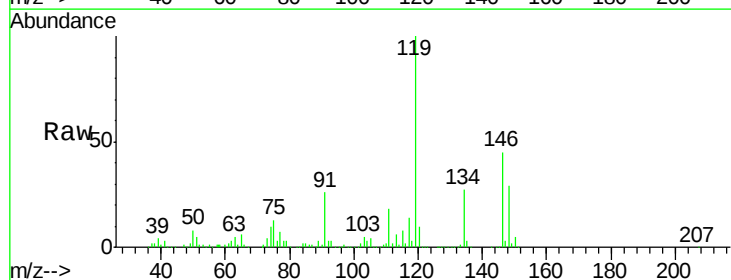
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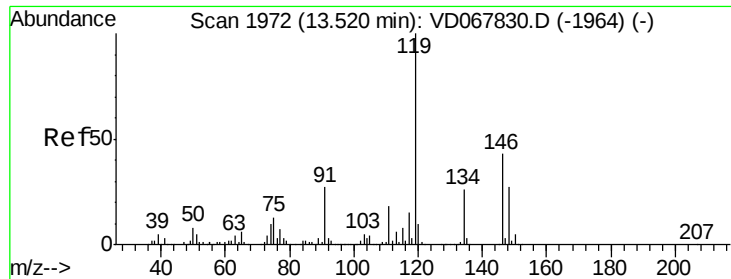
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#86
 p-Isopropyltoluene
 Concen: 98.822 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion:119 Resp: 1013449
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 25.5 12.8 38.3





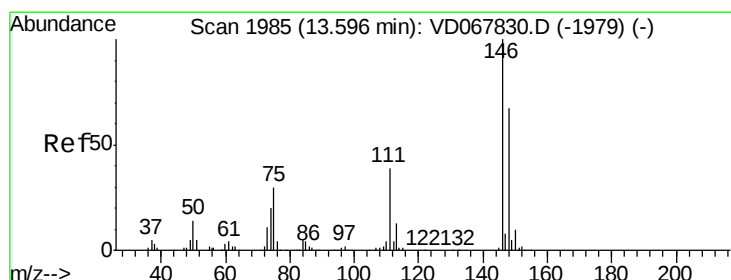
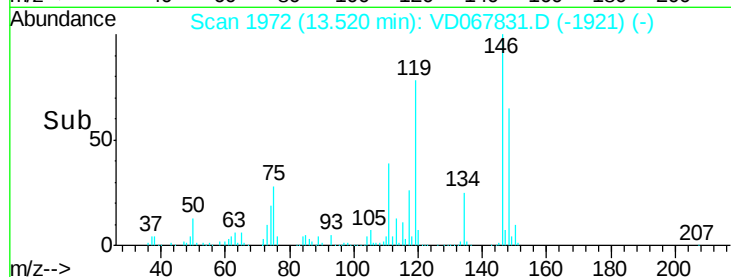
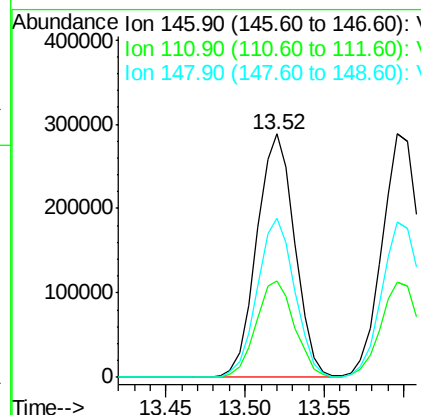
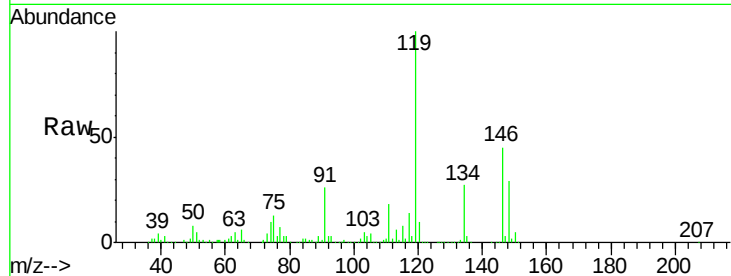
#87
 1,3-Dichlorobenzene
 Concen: 94.324 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	481336		
111	39.9	20.8	62.2	
148	64.4	32.9	98.6	

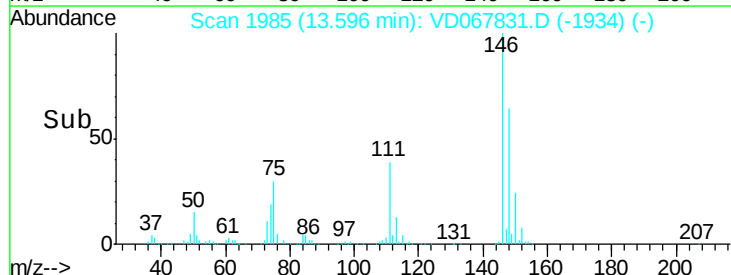
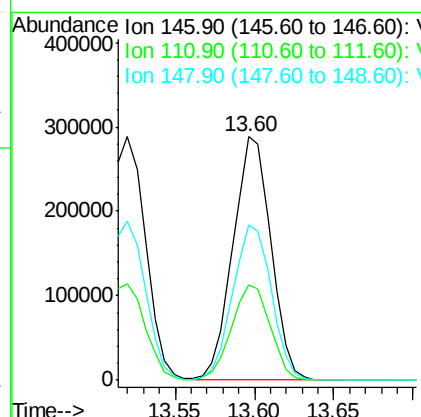
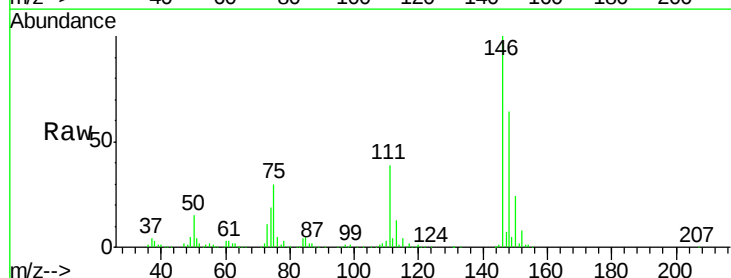
Manual Integrations
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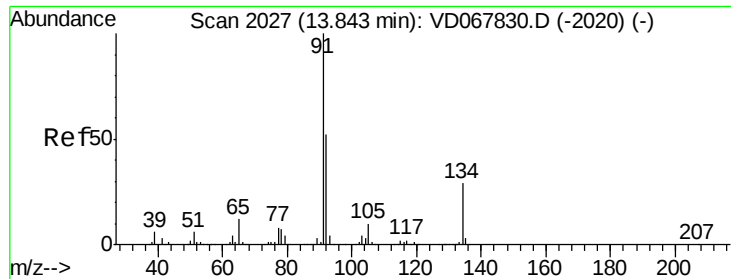
MMDadoda
 12/2/2020 12:24:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 94.021 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	479996		
111	39.8	19.9	59.6	
148	65.0	32.4	97.2	





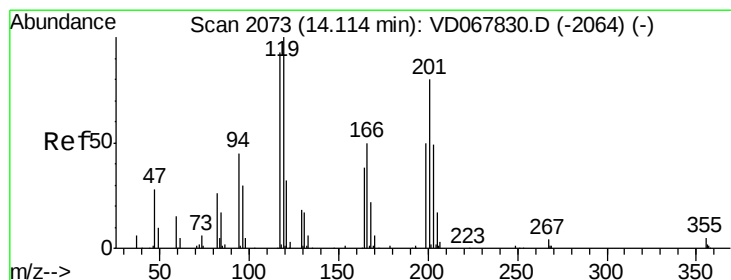
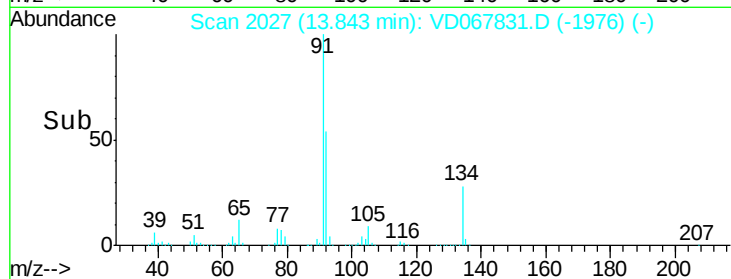
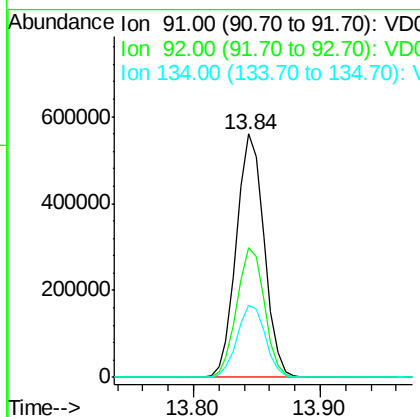
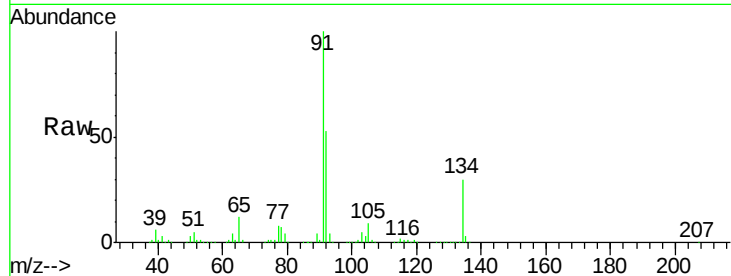
#89
n-Butylbenzene
Concen: 99.376 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.3	78.8	
134	29.9	14.8	44.3	

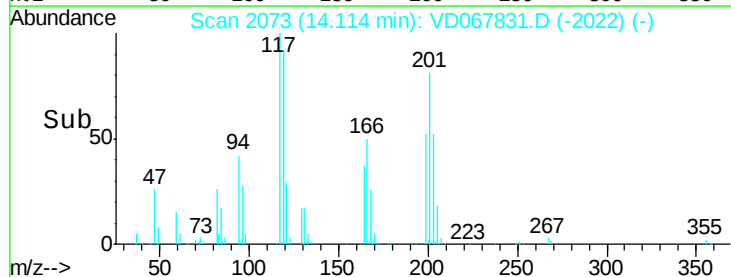
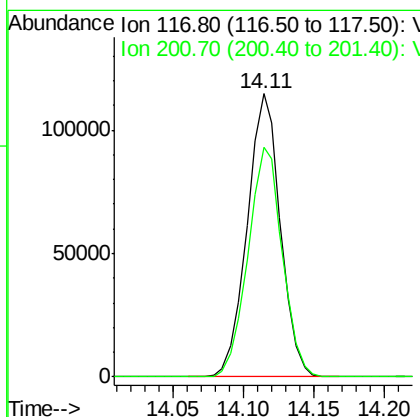
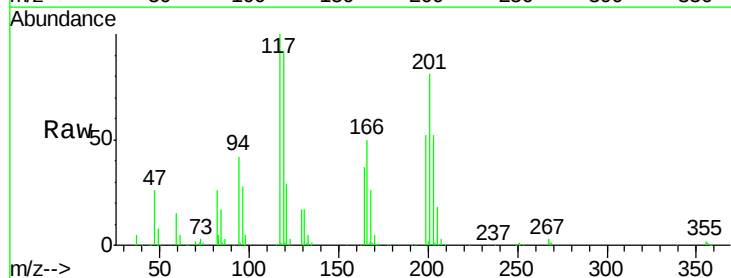
Manual Integrations
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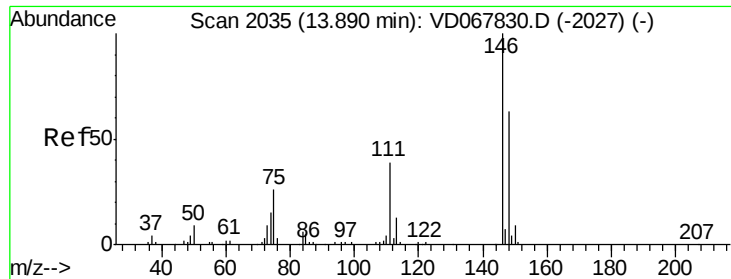
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#90
Hexachloroethane
Concen: 99.639 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.3	43.9	131.6	





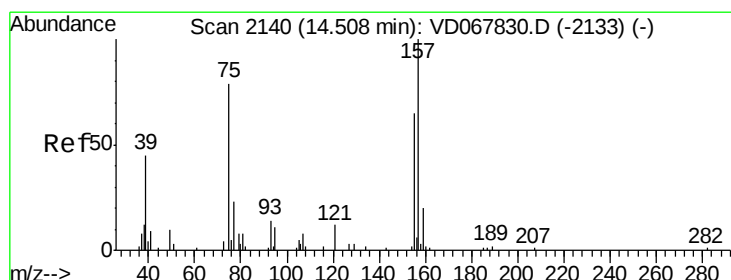
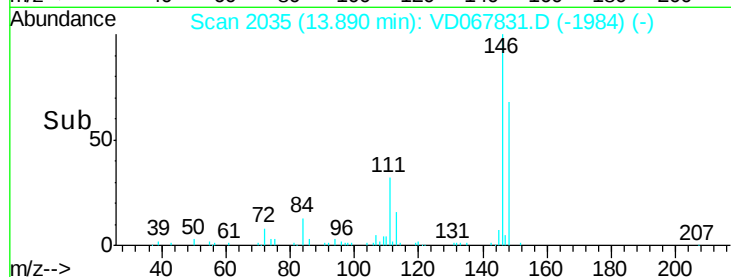
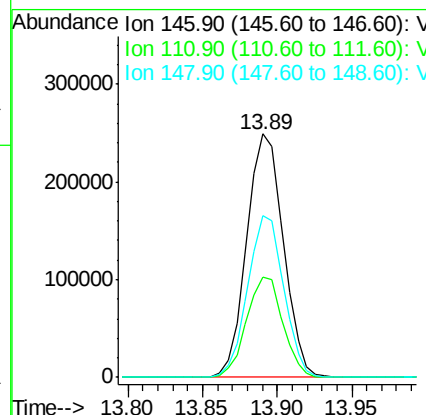
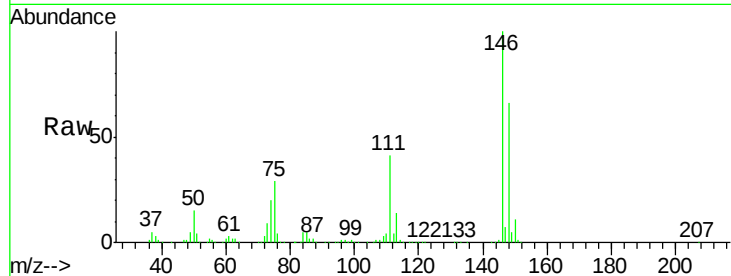
#91
1,2-Dichlorobenzene
Concen: 95.359 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	422044		
111	41.1	20.4	61.2	
148	65.6	32.1	96.3	

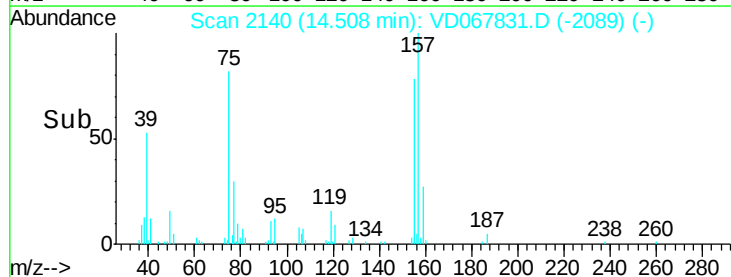
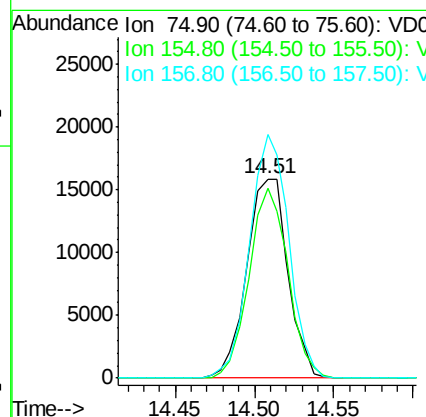
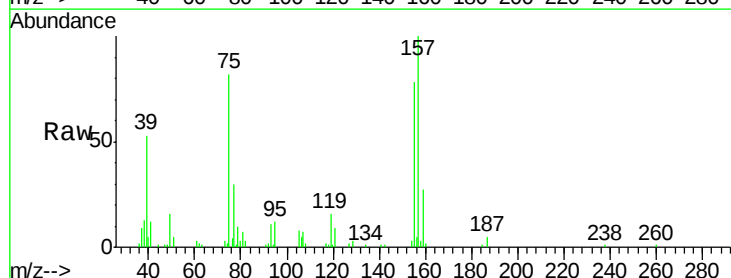
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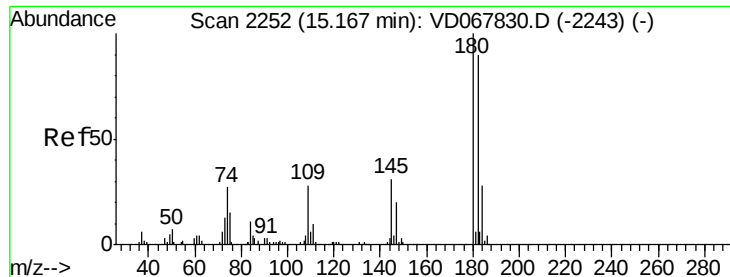
MMDadoda
12/2/2020 12:24:03 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 97.963 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28722		
155	89.8	44.1	132.4	
157	116.1	62.4	187.2	





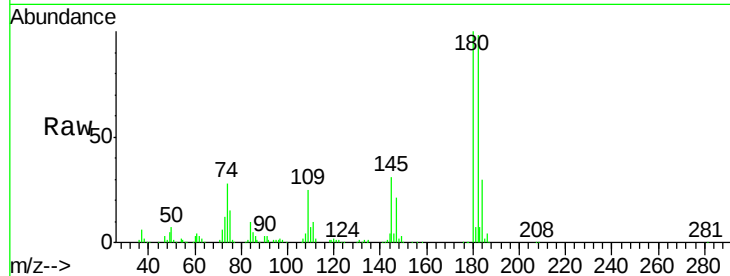
#93
 1,2,4-Trichlorobenzene
 Concen: 101.642 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

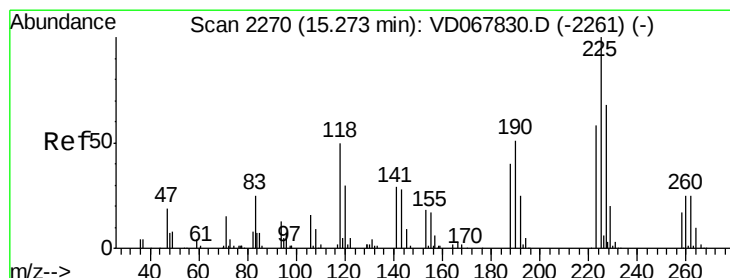
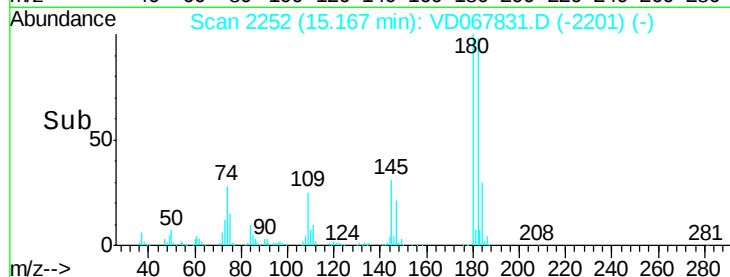
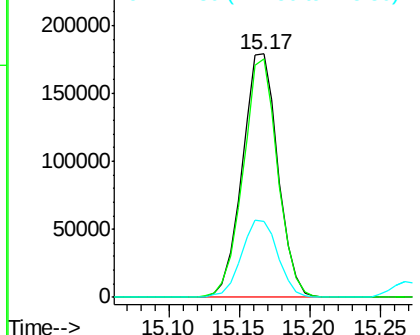
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.5	142.6	
145	32.6	16.4	49.4	

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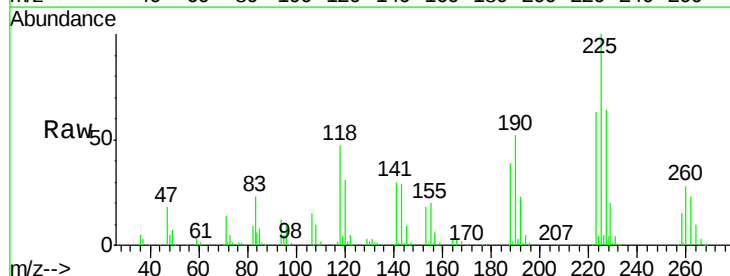


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

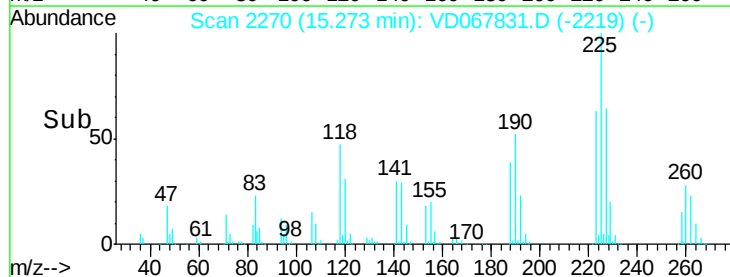
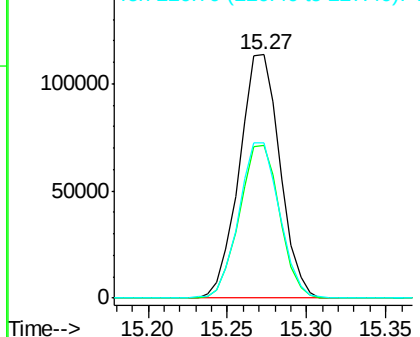


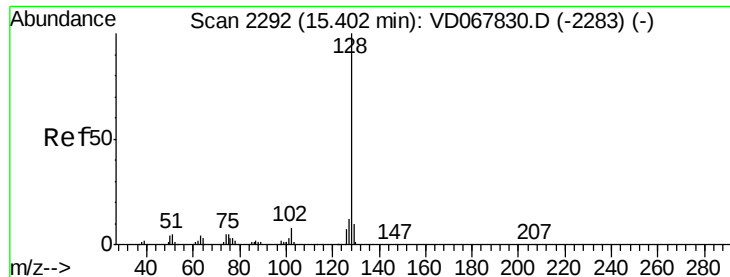
#94
 Hexachlorobutadiene
 Concen: 100.100 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.1	93.3	
227	63.8	33.1	99.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





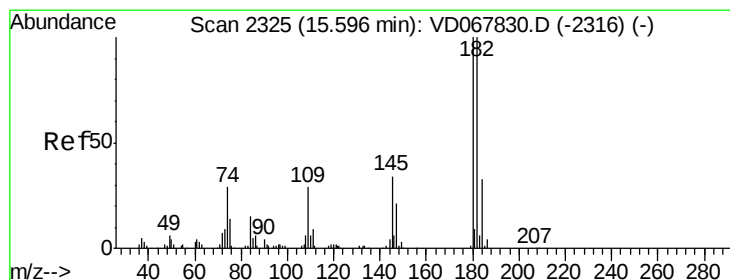
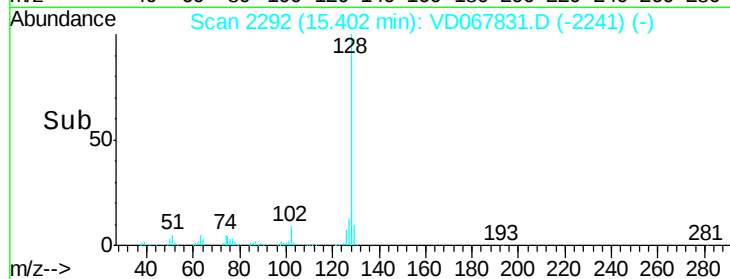
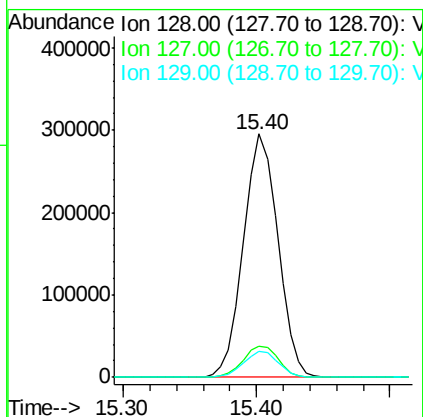
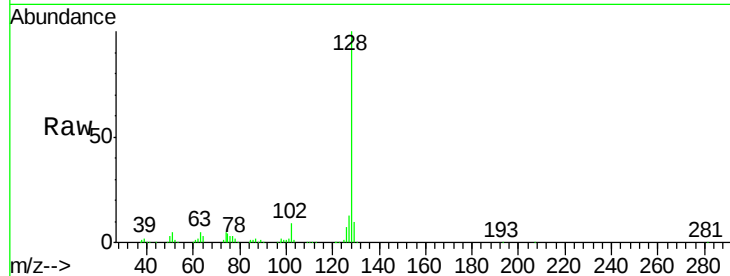
#95
Naphthalene
Concen: 104.903 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	528460		
127	13.0		10.6	15.8
129	10.9		9.0	13.6

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#96
1,2,3-Trichlorobenzene
Concen: 100.545 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	268810		
182	95.8		47.3	142.0
145	34.3		16.8	50.4

