

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067247.D
 Acq On : 13 Oct 2020 12:16
 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
 10/14/2020 2:10:13 PM

Quant Time: Oct 13 12:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	356705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	338973	92.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.00%	
35) Dibromofluoromethane	7.92	113	352141	101.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.08%	
50) Toluene-d8	10.34	98	1249079	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
62) 4-Bromofluorobenzene	12.64	95	432382	97.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	271149	77.448	ug/l	95
3) Chloromethane	2.21	50	201191	85.690	ug/l	94
4) Vinyl Chloride	2.35	62	216754	83.520	ug/l	98
5) Bromomethane	2.76	94	159885	78.608	ug/l	99
6) Chloroethane	2.91	64	133415	82.139	ug/l	100
7) Trichlorofluoromethane	3.27	101	552591	84.730	ug/l	96
8) Diethyl Ether	3.71	74	133264	91.698	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	295514	85.318	ug/l	99
10) Methyl Iodide	4.30	142	327837	114.557	ug/l	99
11) Tert butyl alcohol	5.23	59	83889	273.315	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	271631	89.173	ug/l	97
13) Acrolein	3.92	56	110684	671.148	ug/l	98
14) Allyl chloride	4.71	41	325799	95.865	ug/l	98
15) Acrylonitrile	5.43	53	232115	484.202	ug/l	99
16) Acetone	4.16	43	234059	454.021	ug/l	99
17) Carbon Disulfide	4.41	76	765669	88.022	ug/l	96
18) Methyl Acetate	4.72	43	105356	88.999	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	575046	97.962	ug/l	98
20) Methylene Chloride	4.97	84	301446	72.650	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	319623	91.724	ug/l	97
22) Diisopropyl ether	6.36	45	590635	94.263	ug/l	100
23) Vinyl Acetate	6.31	43	1847274	543.326	ug/l	98
24) 1,1-Dichloroethane	6.26	63	484076	88.673	ug/l	99
25) 2-Butanone	7.21	43	276205	476.903	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	487621	85.562	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	345831	90.399	ug/l	97
28) Bromochloromethane	7.55	49	175165	96.177	ug/l #	99
29) Tetrahydrofuran	7.57	42	156364	489.888	ug/l	98
30) Chloroform	7.71	83	575041	87.833	ug/l	89
31) Cyclohexane	7.99	56	357243	81.480	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	562661	87.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	421642	92.085	ug/l	99
37) Ethyl Acetate	7.30	43	129666	97.682	ug/l #	93
38) Carbon Tetrachloride	8.10	117	533610	90.906	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	454491	96.810	ug/l	99
40) Benzene	8.36	78	1140602	90.407	ug/l	98
41) Methacrylonitrile	7.53	41	81428	143.766	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	356698	90.492	ug/l	99
43) Isopropyl Acetate	8.46	43	256846	98.743	ug/l	100
44) Trichloroethene	9.11	130	362722	89.973	ug/l	98
45) 1,2-Dichloropropane	9.39	63	265530	91.651	ug/l	98
46) Dibromomethane	9.48	93	164600	90.237	ug/l	96
47) Bromodichloromethane	9.66	83	449658	93.081	ug/l	94
48) Methyl methacrylate	9.46	41	124580	98.313	ug/l	94
49) 1,4-Dioxane	9.46	88	33883	1751.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	629070	476.595	ug/l	100
52) Toluene	10.41	92	790111	92.513	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	405465	96.496	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	467625	94.992	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	218835	87.372	ug/l	99
56) Ethyl methacrylate	10.66	69	257186	105.095	ug/l	99
57) 1,3-Dichloropropane	10.95	76	364049	92.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	666304	528.600	ug/l	98
59) 2-Hexanone	10.98	43	441817	497.081	ug/l	97
60) Dibromochloromethane	11.14	129	329537	91.098	ug/l	100
61) 1,2-Dibromoethane	11.25	107	226118	92.733	ug/l	100
64) Tetrachloroethene	10.88	164	317048	86.305	ug/l	97
65) Chlorobenzene	11.67	112	866286	90.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	345732	90.800	ug/l	99
67) Ethyl Benzene	11.75	91	1536198	95.220	ug/l	99
68) m/p-Xylenes	11.86	106	1164156	185.732	ug/l	98
69) o-Xylene	12.18	106	538217	92.867	ug/l	98
70) Styrene	12.20	104	936078	93.997	ug/l	99
71) Bromoform	12.37	173	186451	91.562	ug/l #	99
73) Isopropylbenzene	12.48	105	1518665	98.524	ug/l	100
74) N-amyl acetate	12.30	43	233432	101.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	225600	93.621	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	146385m	84.914	ug/l	
77) Bromobenzene	12.77	156	361757	92.204	ug/l	98
78) n-propylbenzene	12.83	91	1699021	93.724	ug/l	100
79) 2-Chlorotoluene	12.91	91	968425	91.639	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1286606	94.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	71850	96.798	ug/l	97
82) 4-Chlorotoluene	13.01	91	1029439	91.280	ug/l	99
83) tert-Butylbenzene	13.23	119	1108916	97.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1282963	96.129	ug/l	99
85) sec-Butylbenzene	13.41	105	1487132	94.699	ug/l	100
86) p-Isopropyltoluene	13.53	119	1408387	94.890	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	668952	87.081	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	680219	90.292	ug/l	99
89) n-Butylbenzene	13.85	91	1255222	96.927	ug/l	100
90) Hexachloroethane	14.12	117	243053	94.388	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601392	90.495	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40970	94.391	ug/l	95

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	431166	99.714	ug/l	99
94) Hexachlorobutadiene	15.28	225	262394	96.680	ug/l	99
95) Naphthalene	15.41	128	777145	114.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	378892	102.042	ug/l	100

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

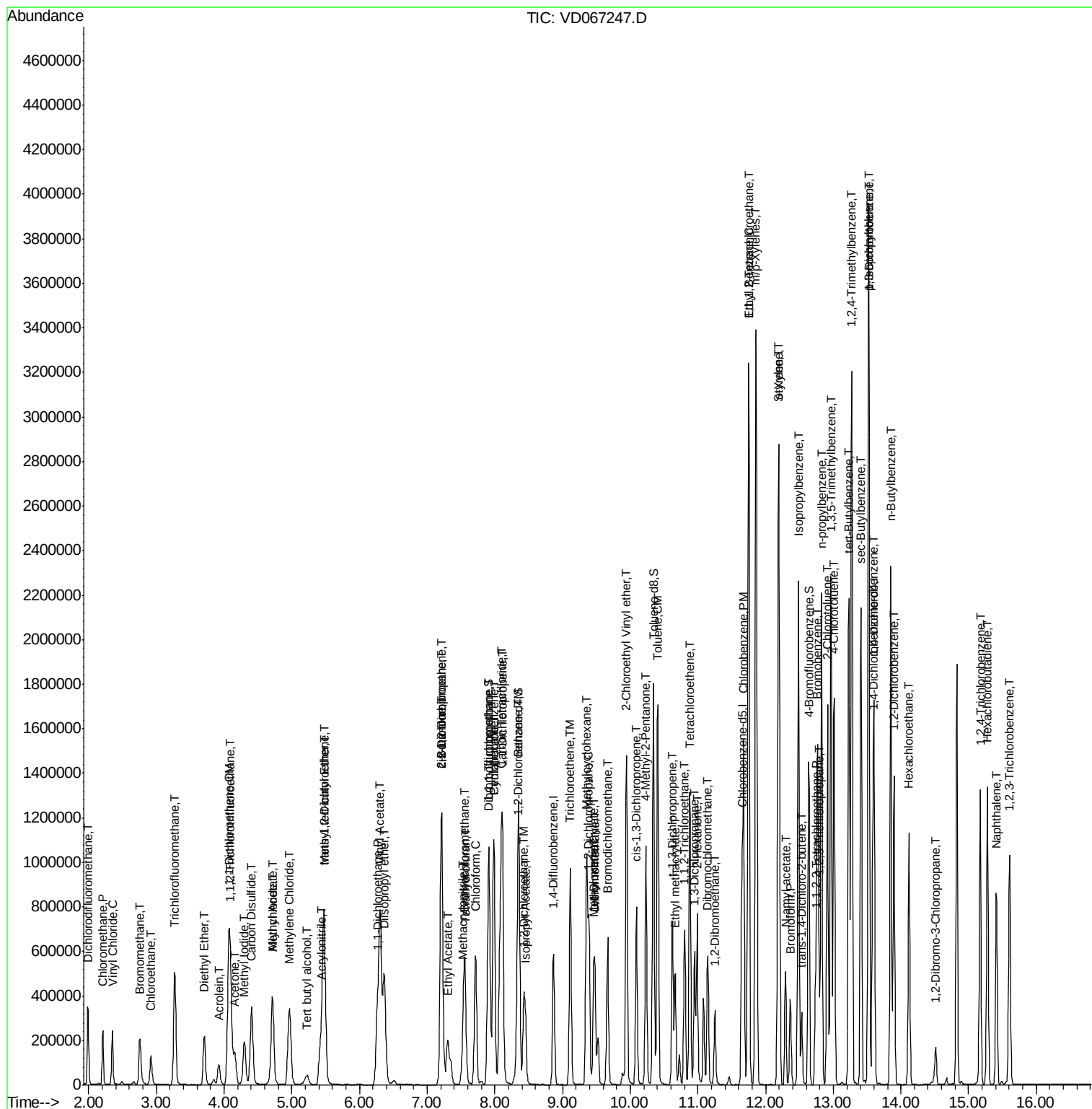
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101320\
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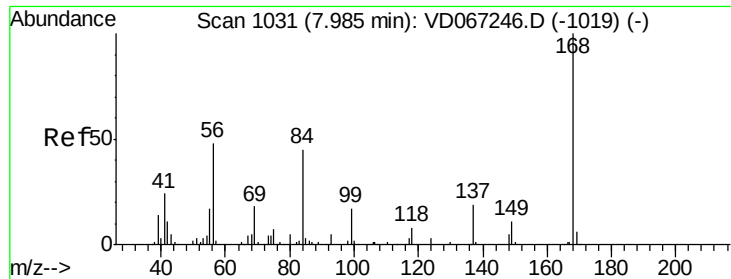
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 356705

Ion Ratio Lower Upper

168 100

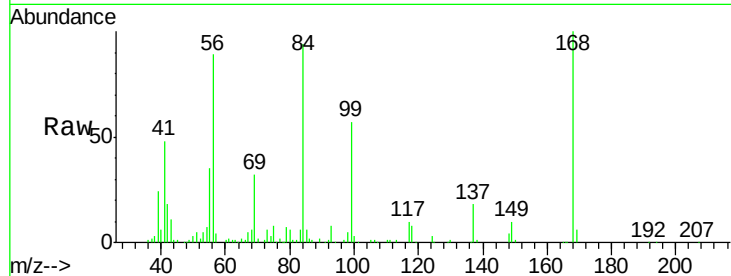
99 56.8 45.9 68.9

Manual Integrations

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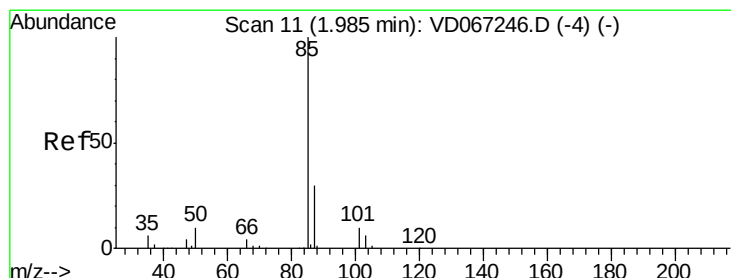
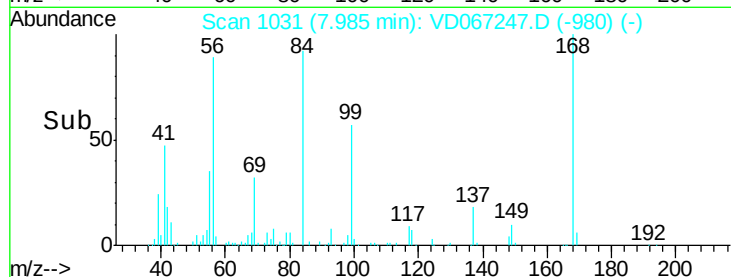
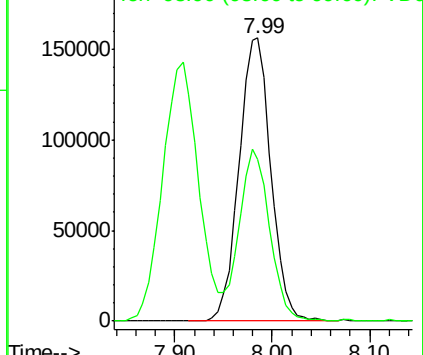
MMDadoda

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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: 77.448 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067247.D

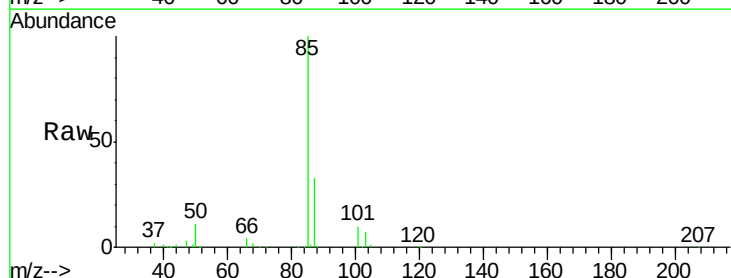
Acq: 13 Oct 2020 12:16

Tgt Ion: 85 Resp: 271149

Ion Ratio Lower Upper

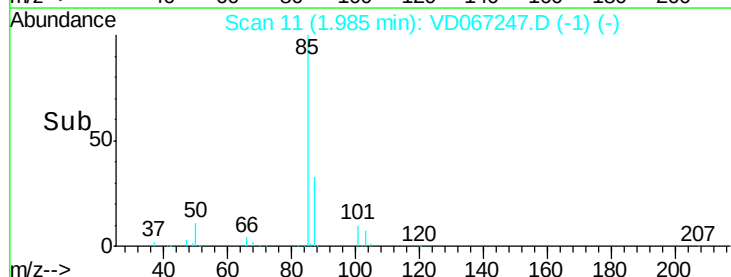
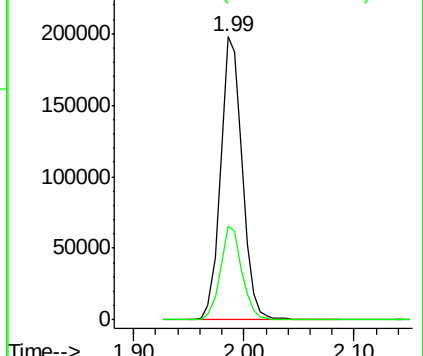
85 100

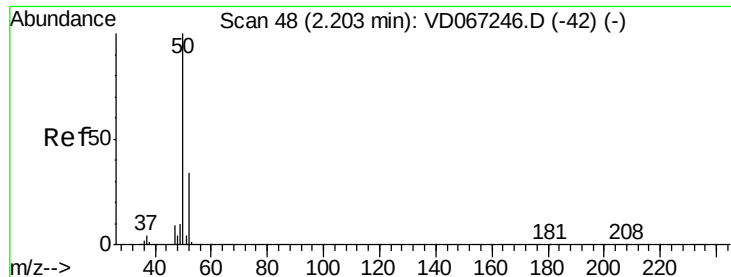
87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 85.690 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 201191

Ion Ratio Lower Upper

50 100

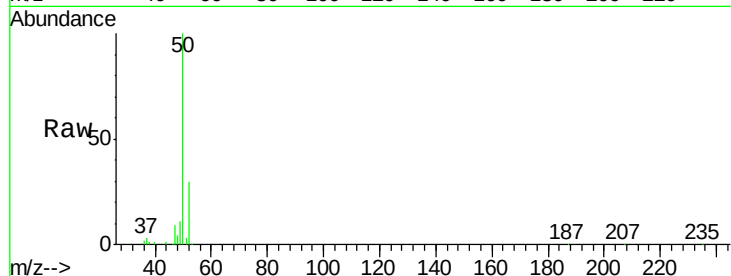
52 30.5 27.1 40.7

Manual Integrations

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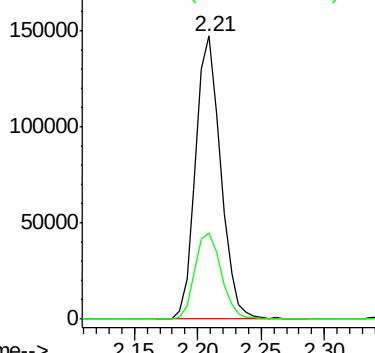
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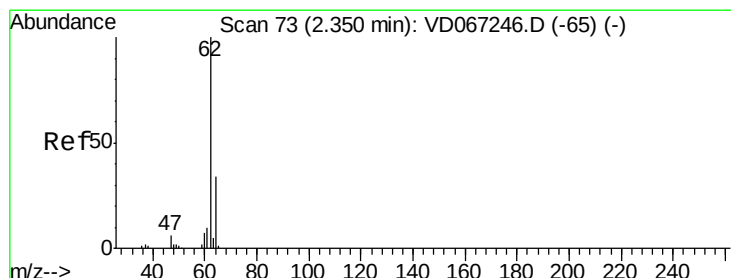
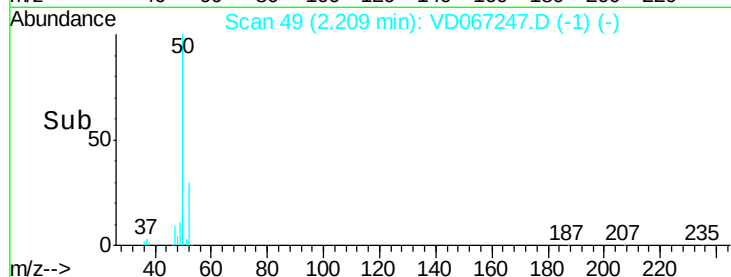


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 83.520 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067247.D

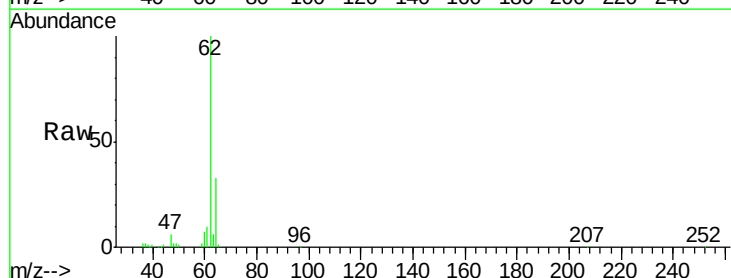
Acq: 13 Oct 2020 12:16

Tgt Ion: 62 Resp: 216754

Ion Ratio Lower Upper

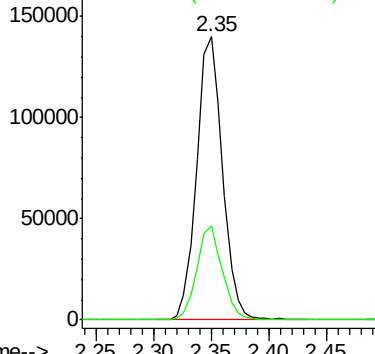
62 100

64 33.0 27.4 41.0

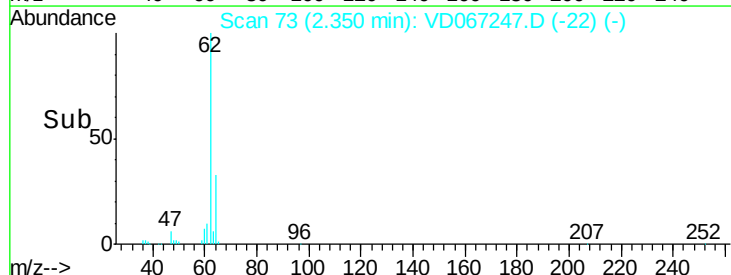


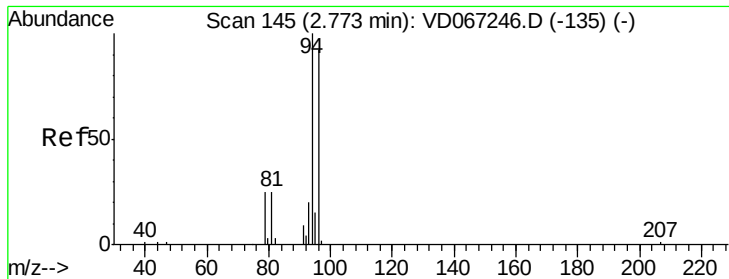
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 78.608 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 159885

Ion Ratio Lower Upper

94 100

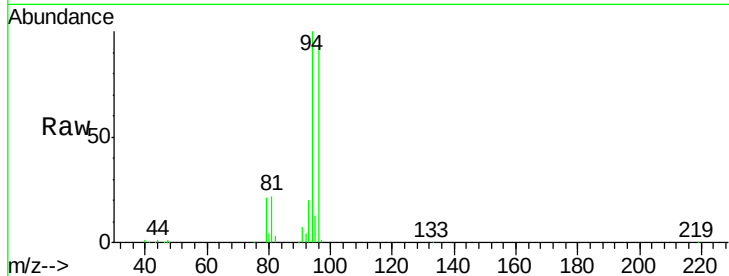
96 93.4 73.8 110.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

80000

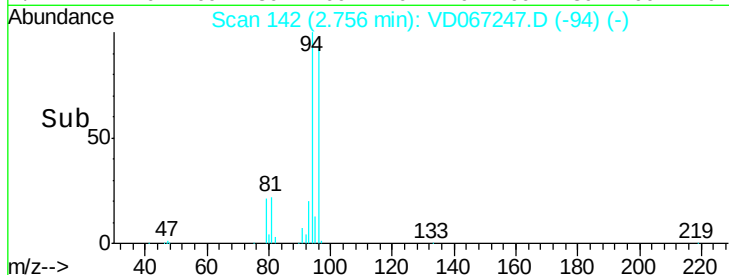
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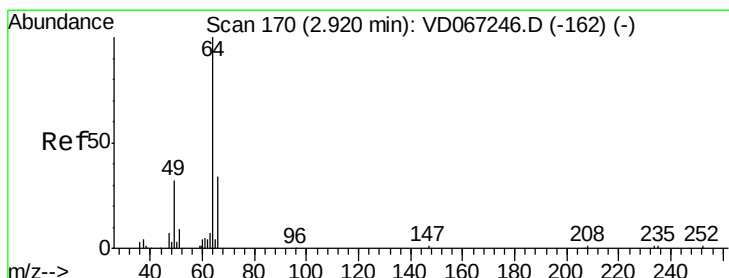
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0

Time-->



Time-->



#6

Chloroethane

Concen: 82.139 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067247.D

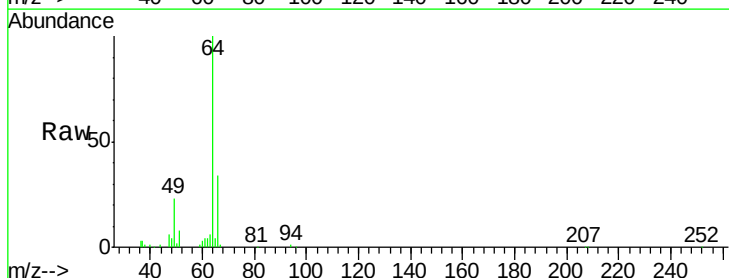
Acq: 13 Oct 2020 12:16

Tgt Ion: 64 Resp: 133415

Ion Ratio Lower Upper

64 100

66 34.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

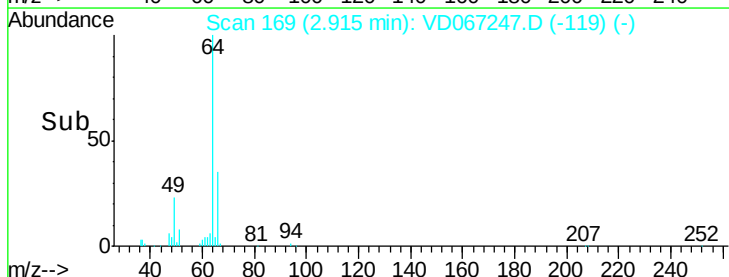
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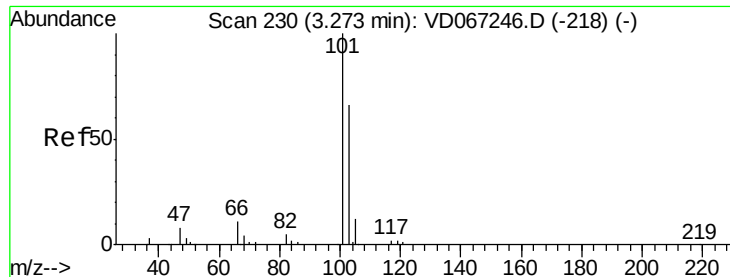
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Time-->



Time-->



#7

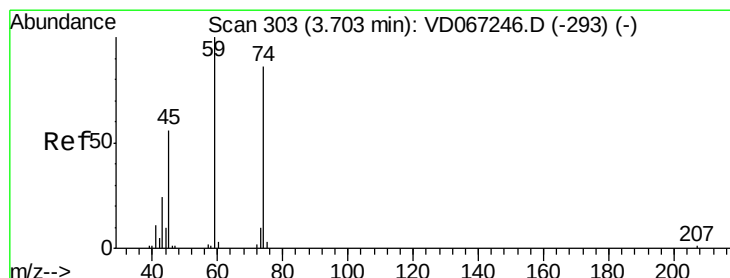
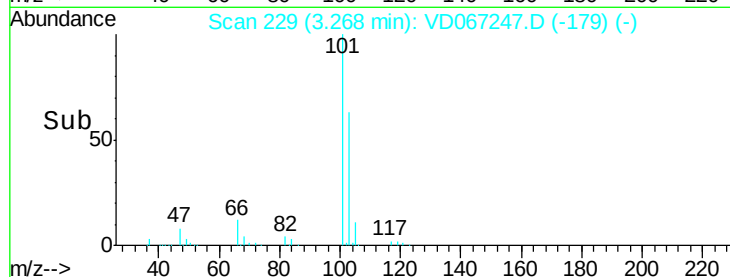
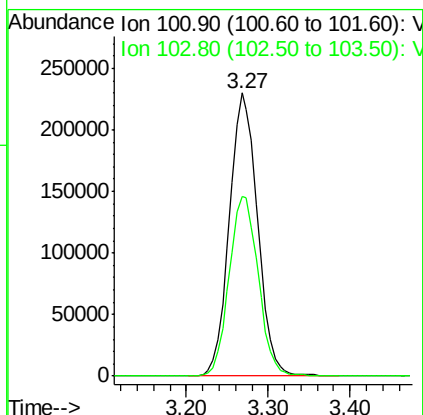
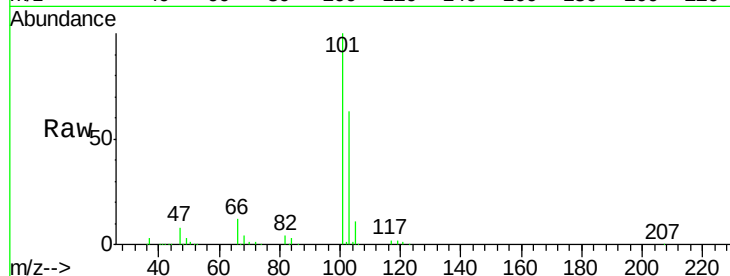
Trichlorofluoromethane
Concen: 84.730 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.1	79.7

Manual Integrations
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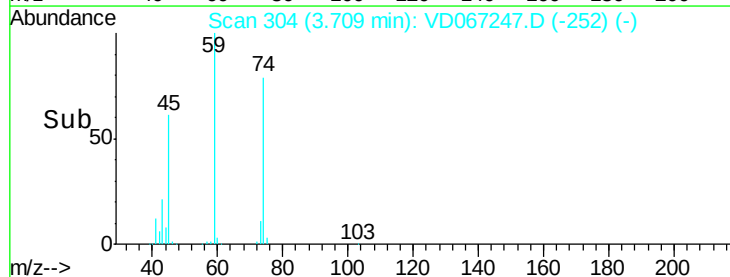
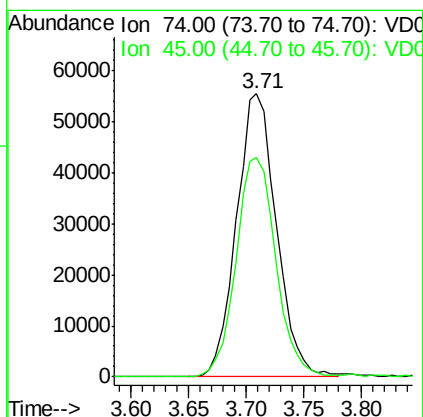
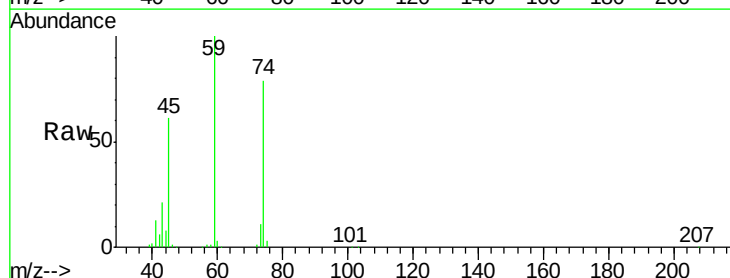
MMDadoda
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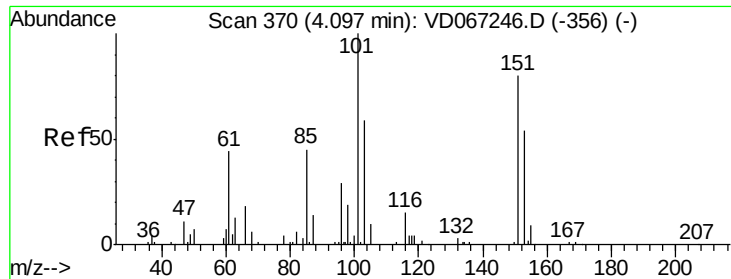


#8

Diethyl Ether
Concen: 91.698 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.4	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.318 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

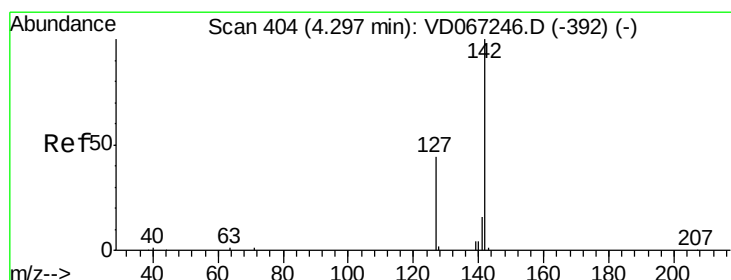
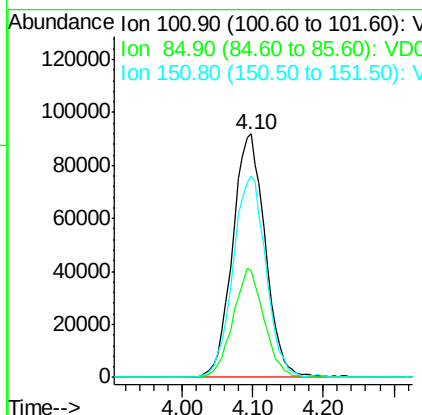
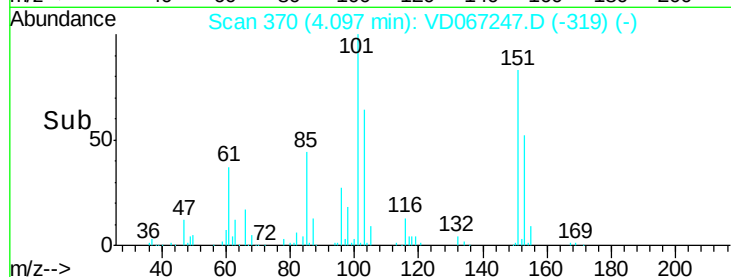
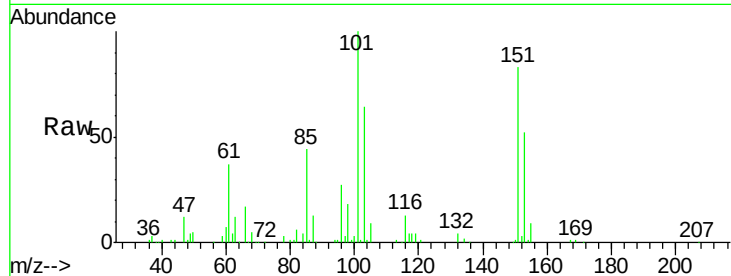
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	295514
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	83.4	66.3	99.5

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#10

Methyl Iodide

Concen: 114.557 ug/l

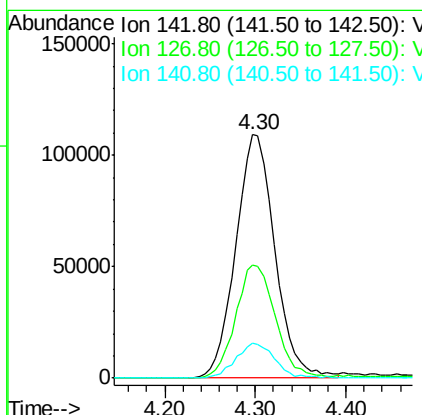
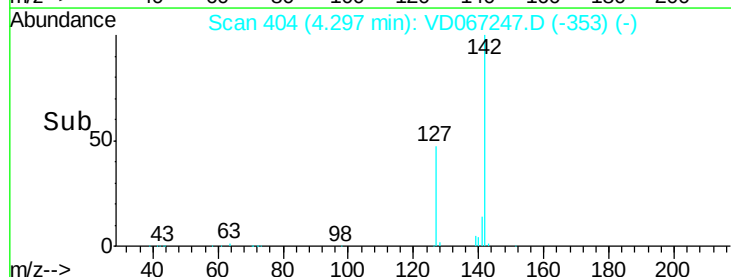
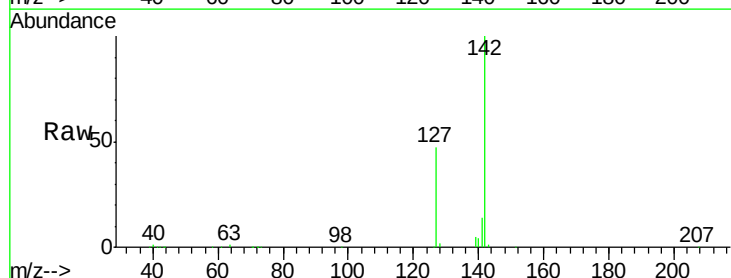
RT: 4.30 min Scan# 404

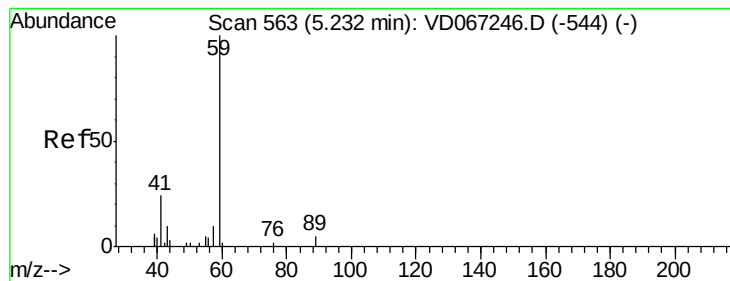
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	142	Resp:	327837
Ion Ratio	Lower	Upper	
142	100		
127	47.2	38.4	57.6
141	14.2	11.6	17.4





#11

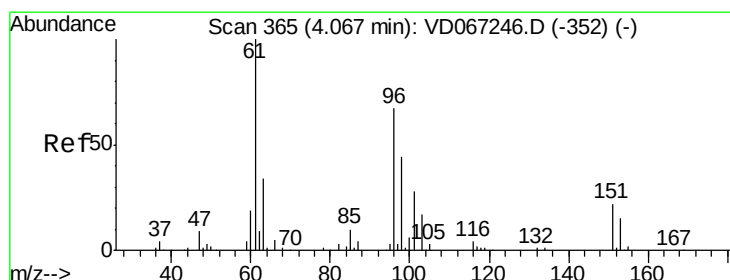
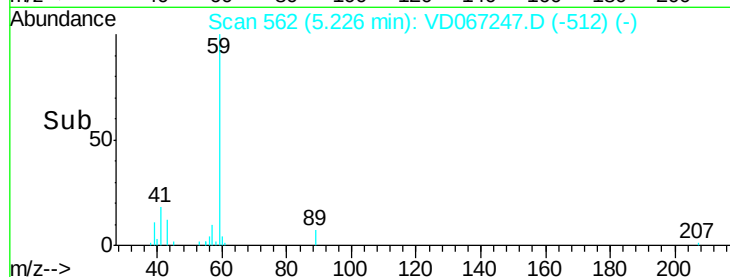
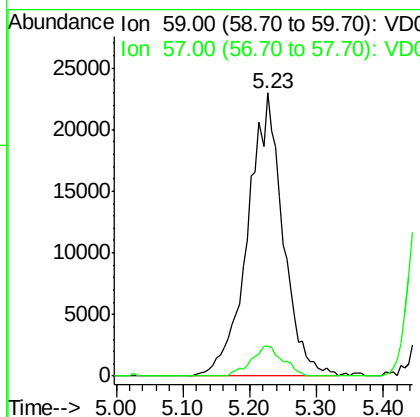
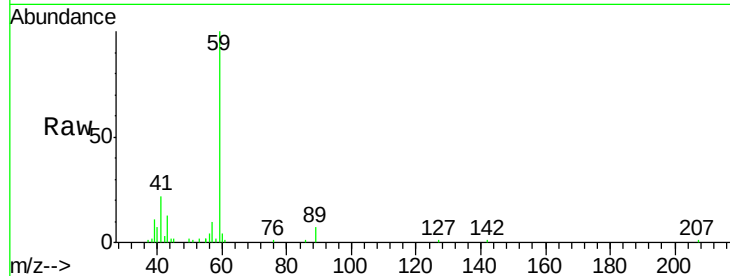
Tert butyl alcohol
 Concen: 273.315 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	5.1	7.7#

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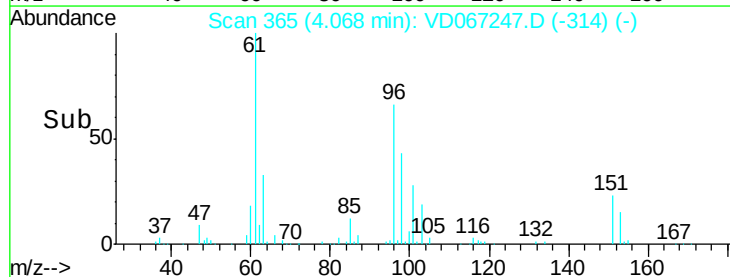
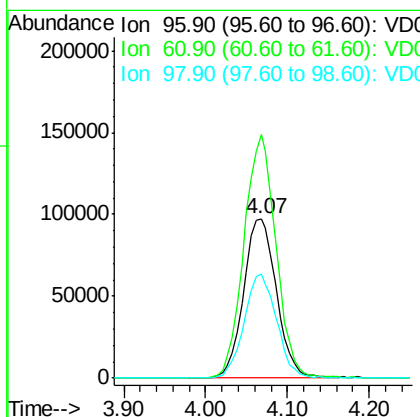
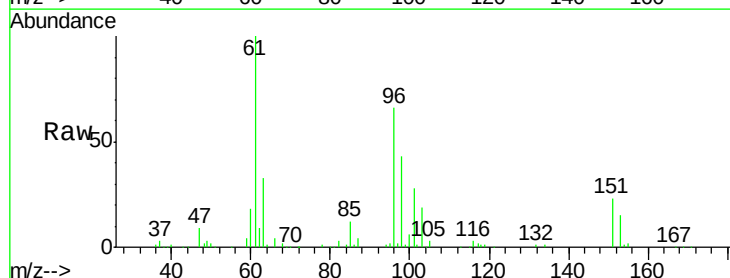
MMDadoda
 10/14/2020 2:10:13 PM

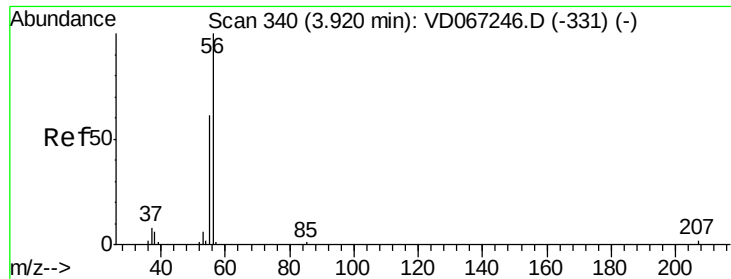


#12

1,1-Dichloroethene
 Concen: 89.173 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	118.6	177.8
98	65.3	51.8	77.6





#13

Acrolein

Concen: 671.148 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 110684

Ion Ratio Lower Upper

56 100

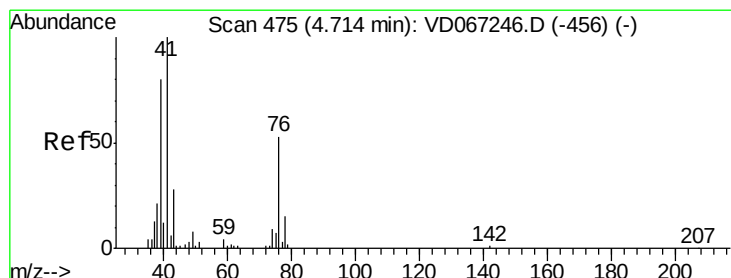
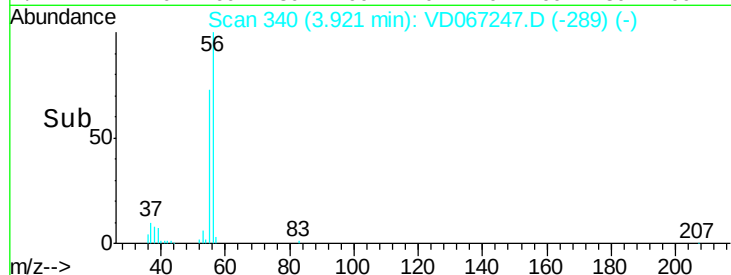
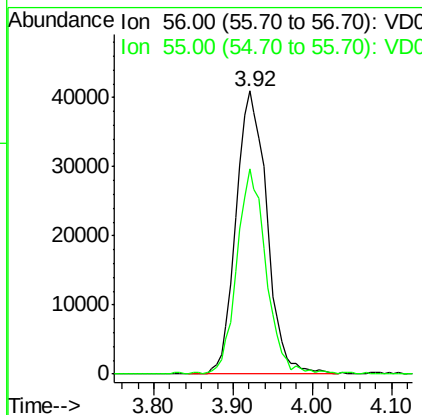
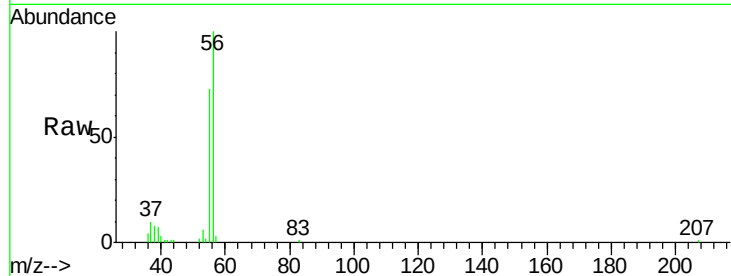
55 68.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 95.865 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

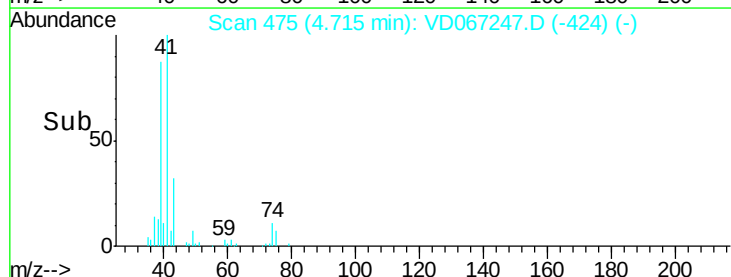
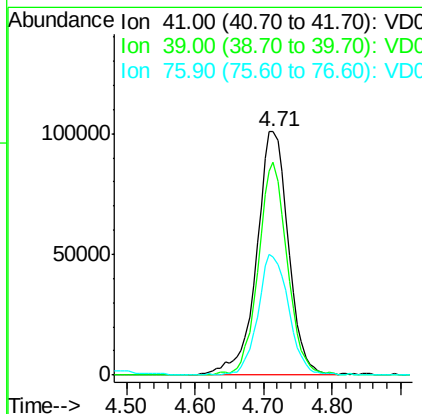
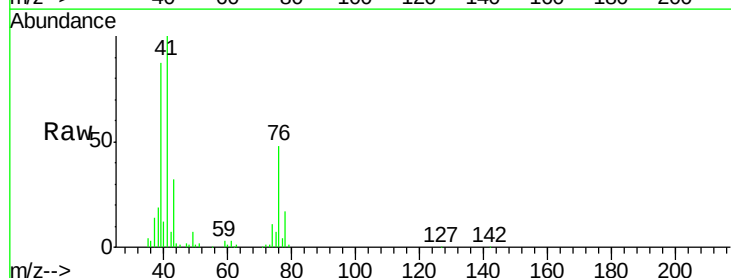
Tgt Ion: 41 Resp: 325799

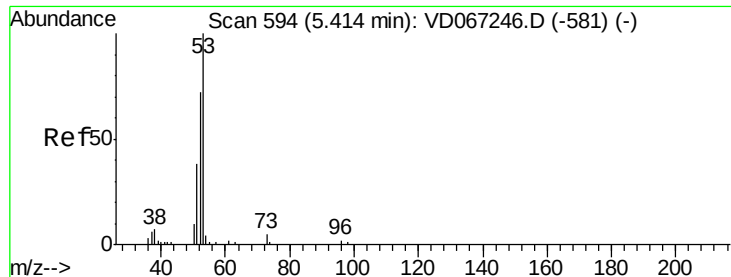
Ion Ratio Lower Upper

41 100

39 79.6 63.8 95.6

76 47.4 40.4 60.6





#15

Acrylonitrile

Concen: 484.202 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

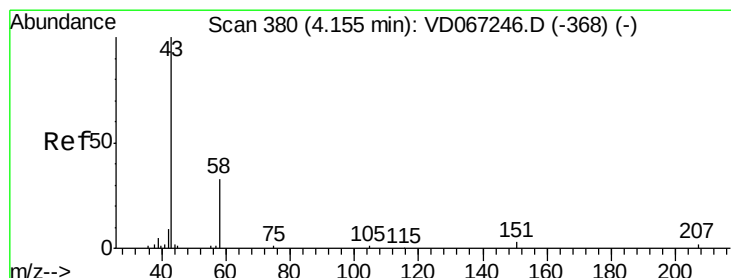
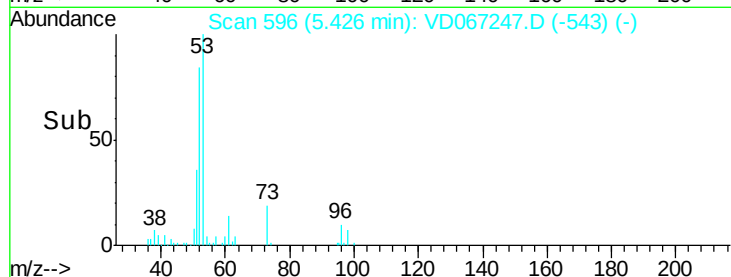
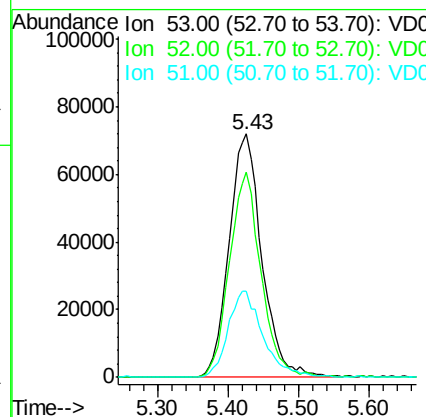
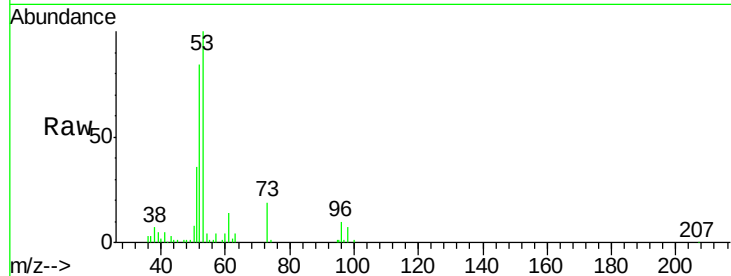
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	232115
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.6	98.4
51	37.6	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 454.021 ug/l

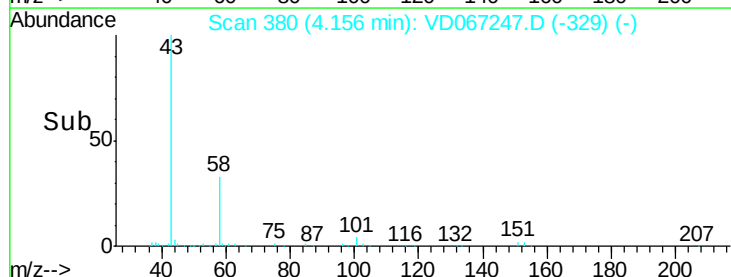
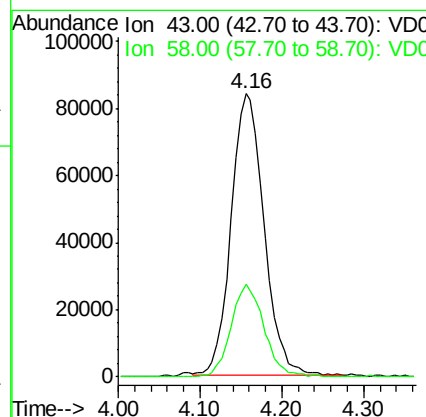
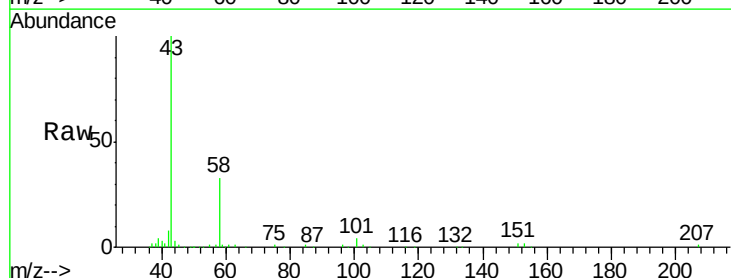
RT: 4.16 min Scan# 380

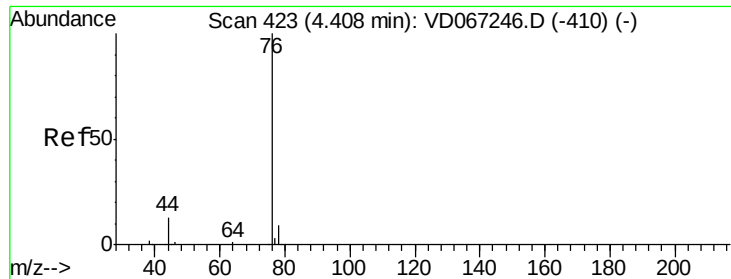
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	43	Resp:	234059
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.1	39.1





#17

Carbon Disulfide

Concen: 88.022 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 765669

Ion Ratio Lower Upper

76 100

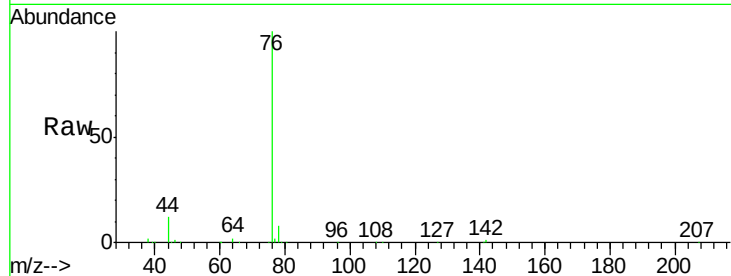
78 7.9 7.4 11.0

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

4.41

250000

200000

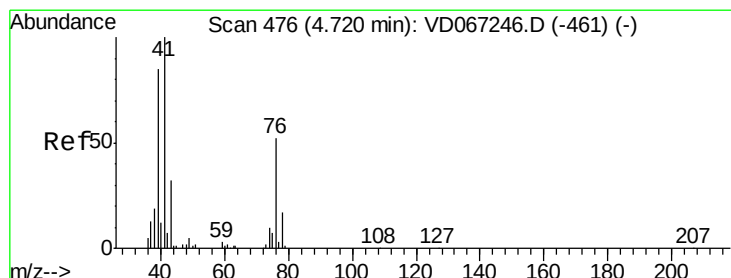
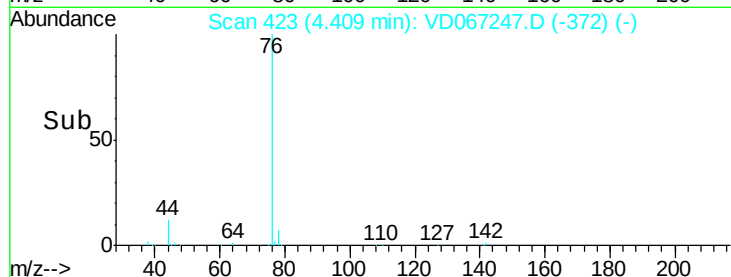
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 88.999 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067247.D

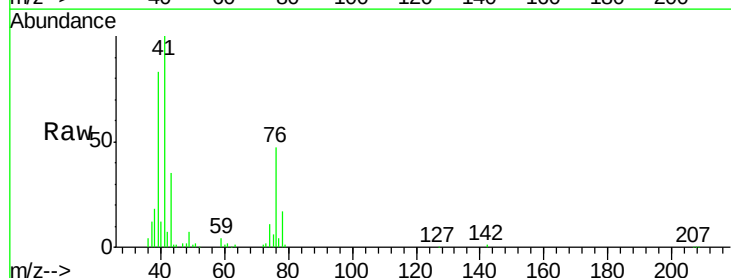
Acq: 13 Oct 2020 12:16

Tgt Ion: 43 Resp: 105356

Ion Ratio Lower Upper

43 100

74 31.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

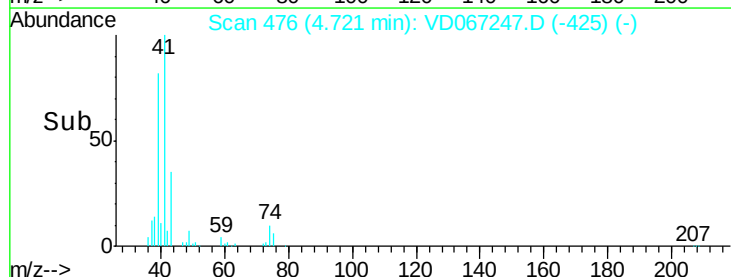
30000

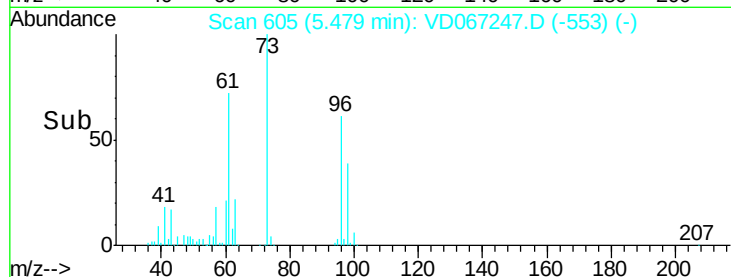
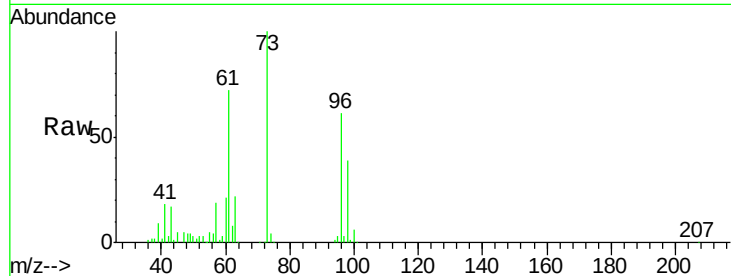
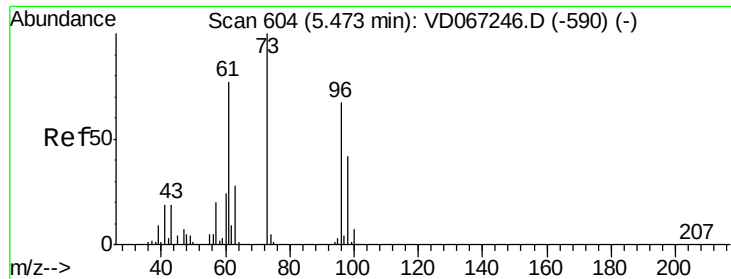
20000

10000

0

Time-->





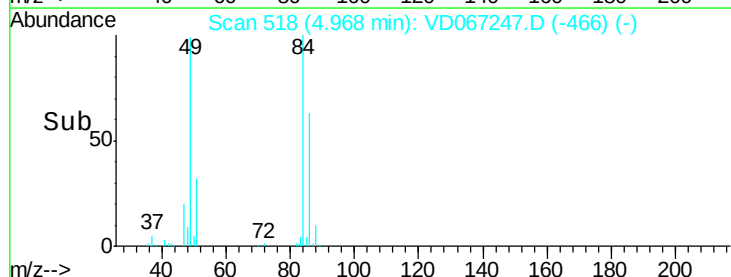
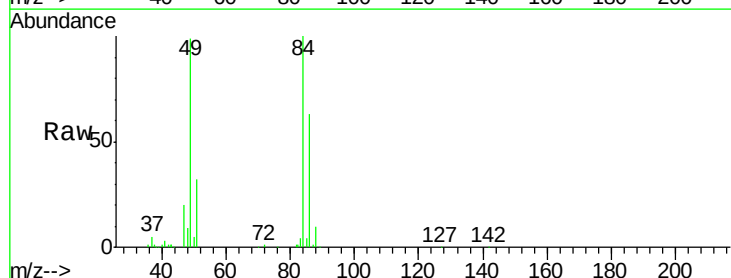
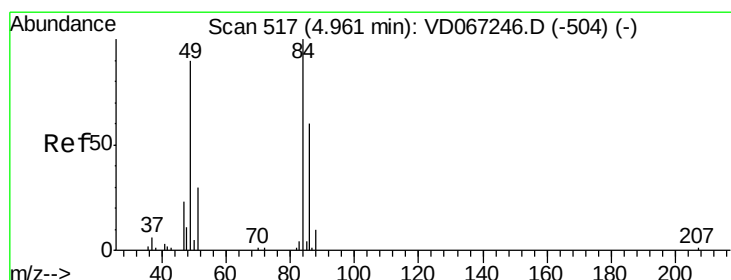
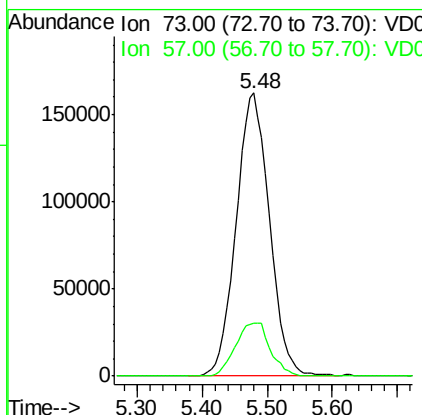
#19
Methyl tert-butyl Ether
Concen: 97.962 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tot Ion: 73 Resp: 575046
Ion Ratio Lower Upper
73 100
57 18.5 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

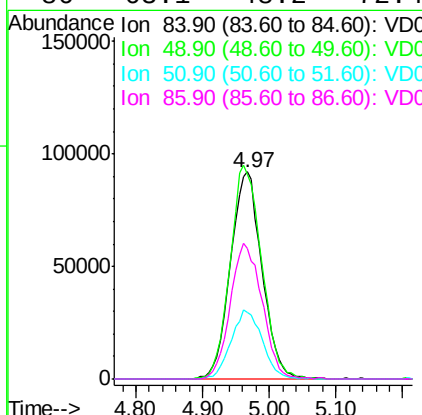
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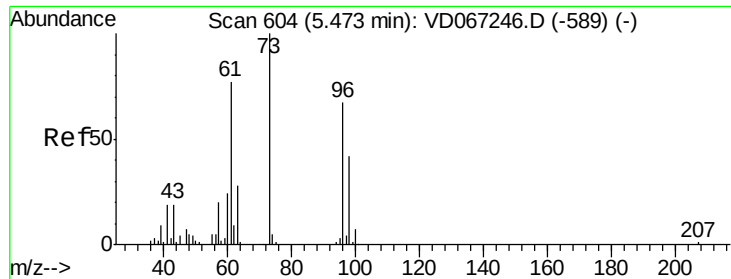
MMDadoda
10/14/2020 2:10:13 PM



#20
Methylene Chloride
Concen: 72.650 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 84 Resp: 301446
Ion Ratio Lower Upper
84 100
49 99.0 72.2 108.2
51 32.2 23.8 35.8
86 63.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 91.724 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 319623

Ion Ratio Lower Upper

96 100

61 119.3 92.0 138.0

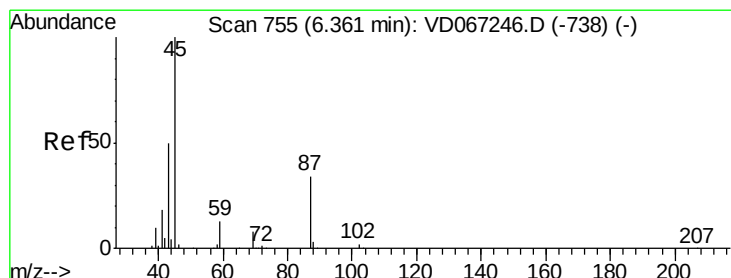
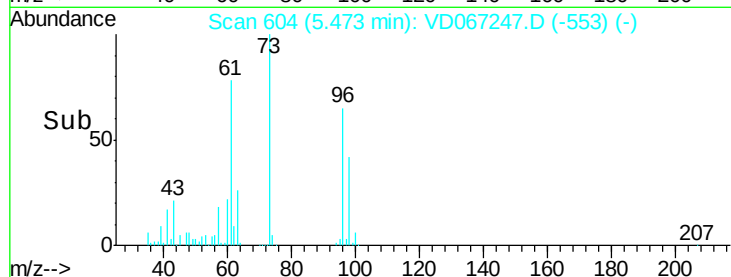
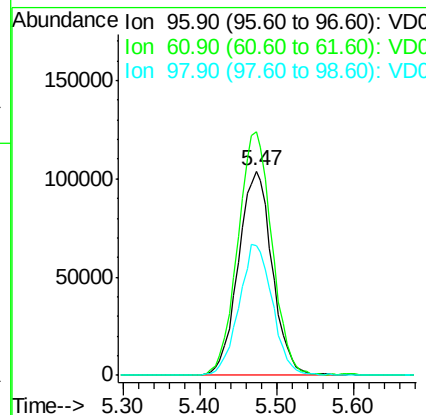
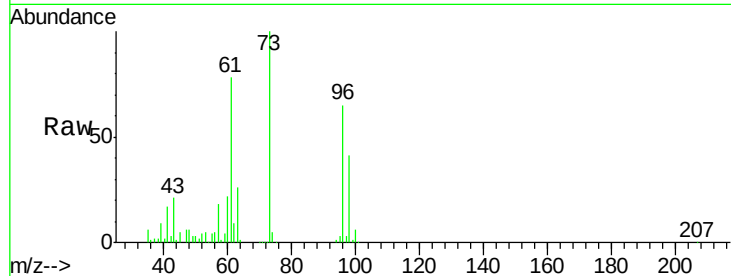
98 63.7 49.8 74.8

Manual Integrations

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10/14/2020 2:10:13 PM



#22

Diisopropyl ether

Concen: 94.263 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion: 45 Resp: 590635

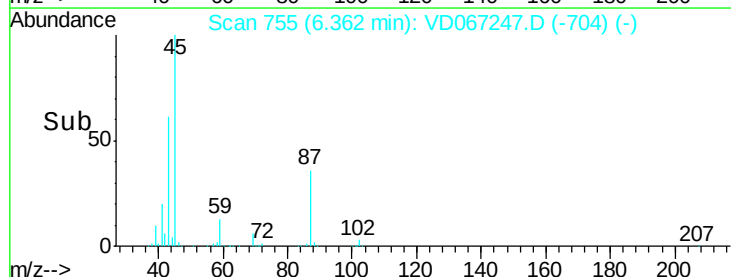
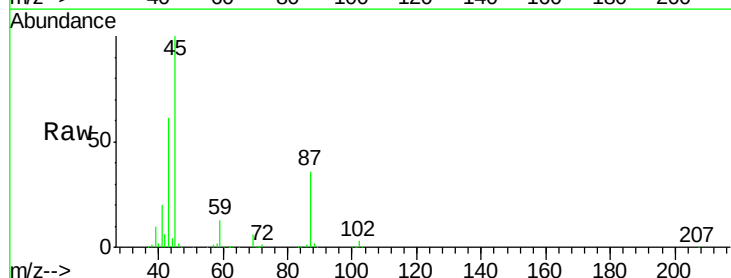
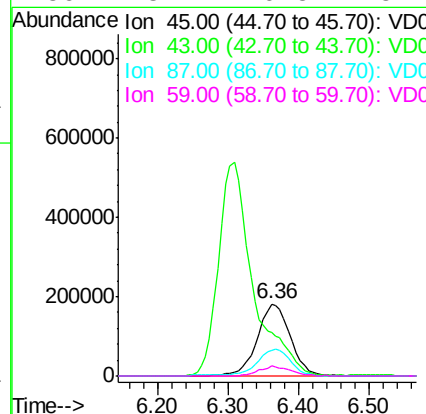
Ion Ratio Lower Upper

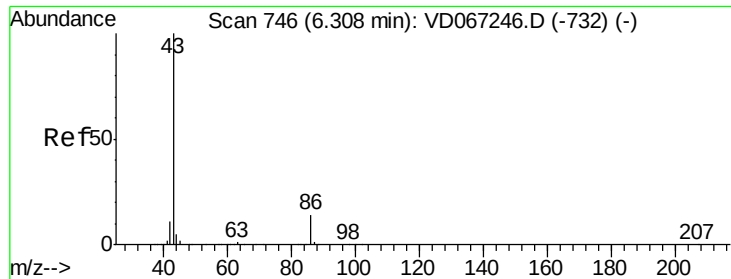
45 100

43 59.6 48.0 72.0

87 35.9 28.5 42.7

59 13.1 10.5 15.7





#23

Vinyl Acetate

Concen: 543.326 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1847274

Ion Ratio Lower Upper

43 100

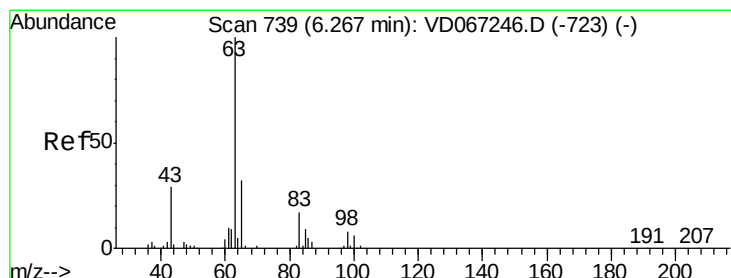
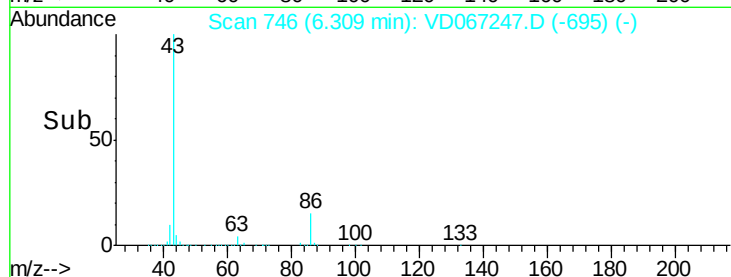
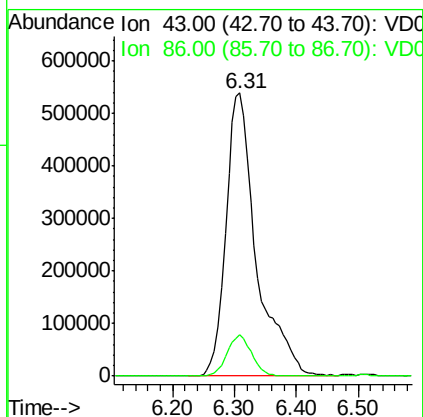
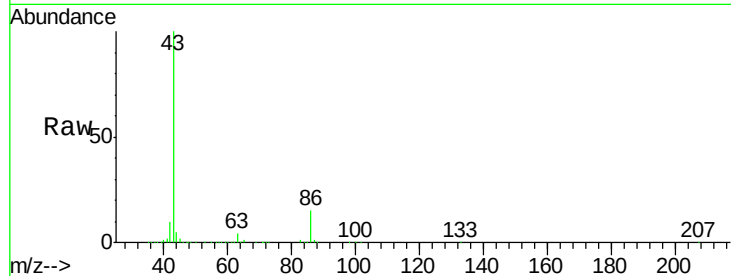
86 14.4 11.0 16.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 88.673 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

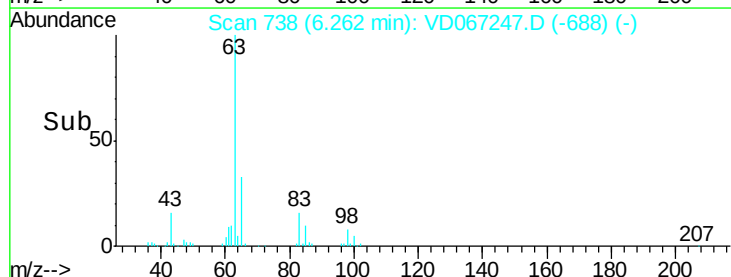
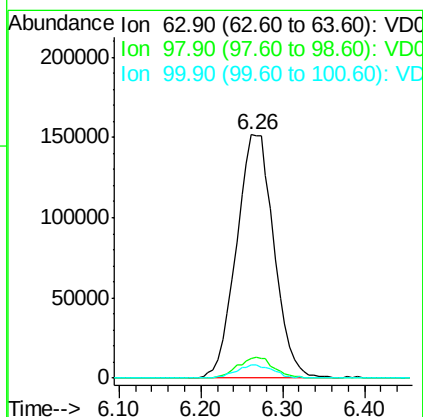
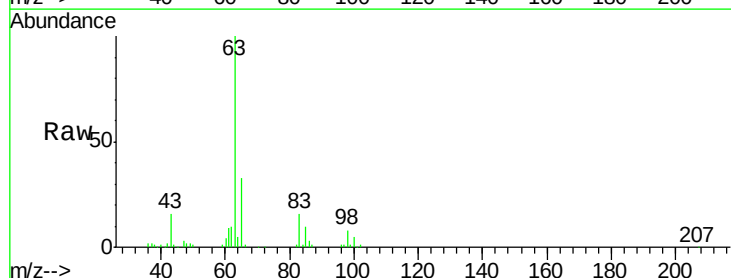
Tgt Ion: 63 Resp: 484076

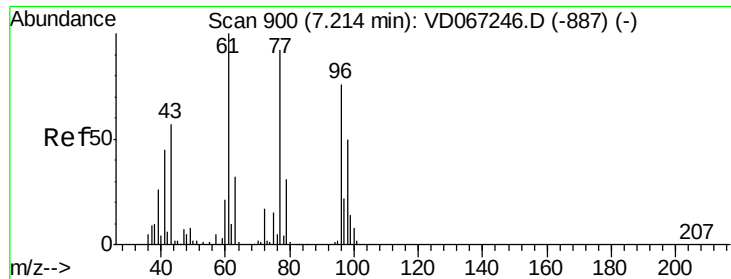
Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.2

100 5.3 2.8 8.4





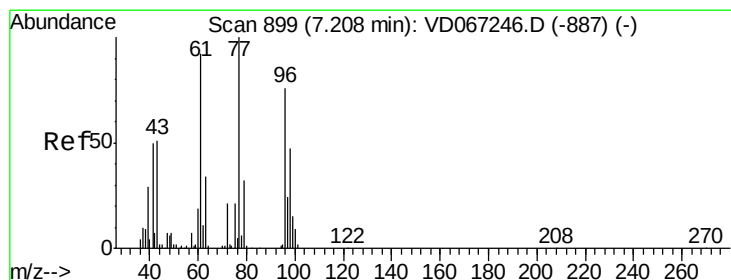
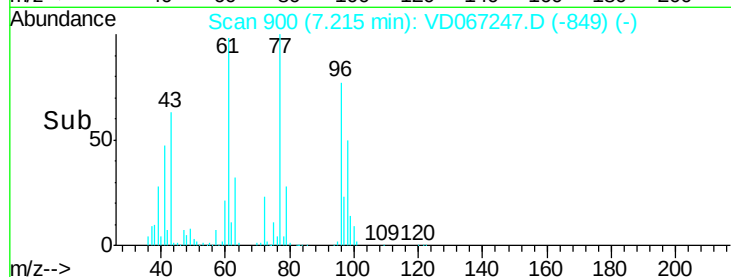
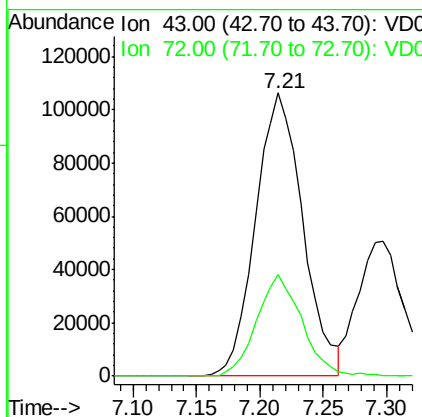
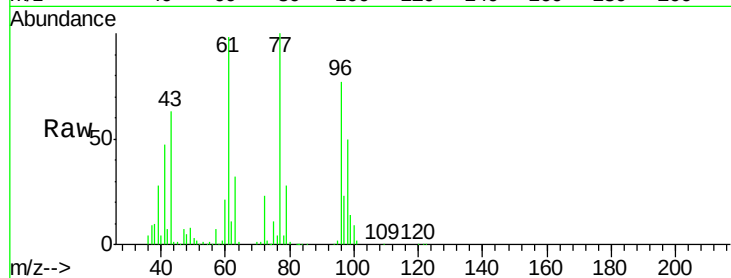
#25
2-Butanone
Concen: 476.903 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 276205
Ion Ratio Lower Upper
43 100
72 36.1 23.7 35.5#

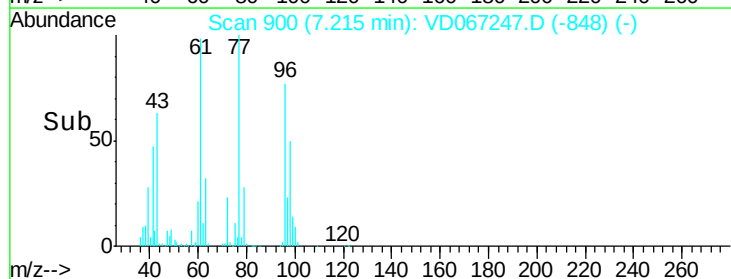
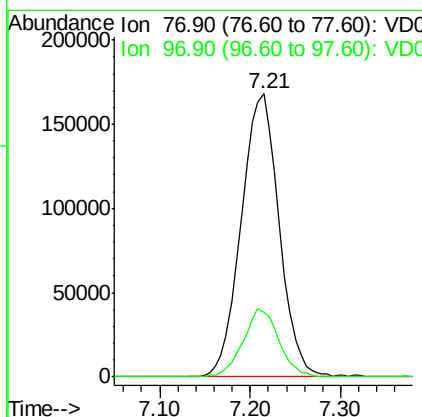
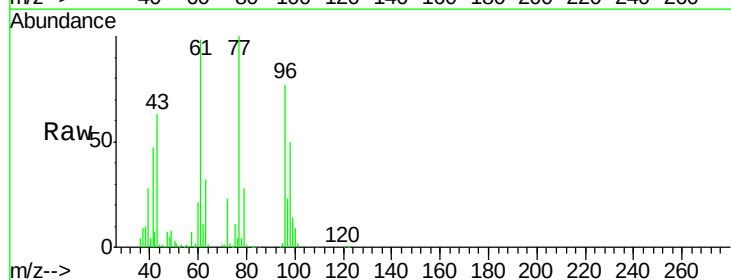
Manual Integrations
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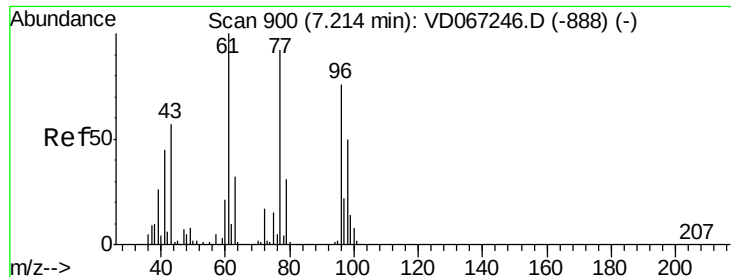
MMDadoda
10/14/2020 2:10:13 PM



#26
2,2-Dichloropropane
Concen: 85.562 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 77 Resp: 487621
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 90.399 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

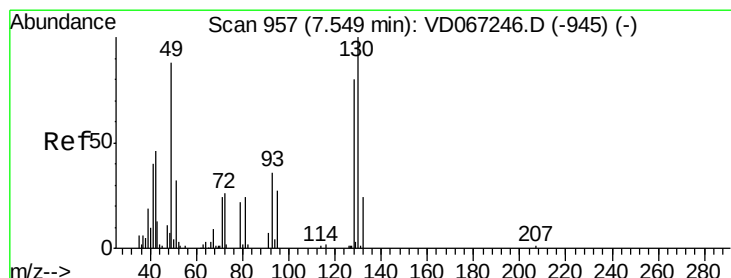
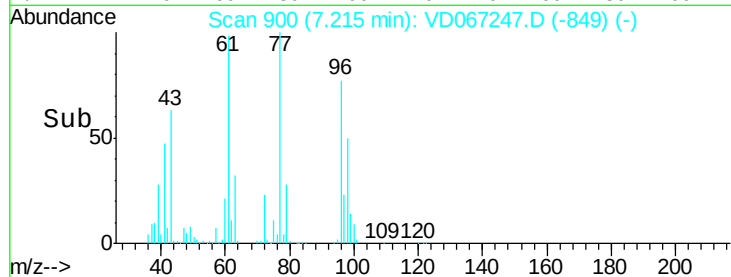
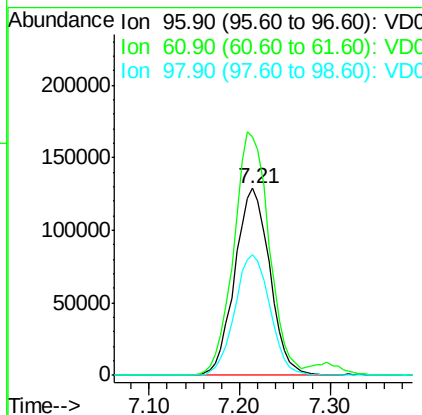
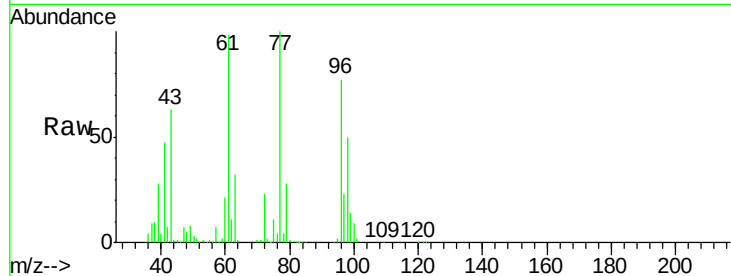
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	345831
Ion Ratio	Lower	Upper	
96	100		
61	132.1	0.0	255.4
98	65.1	0.0	128.0

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10/14/2020 2:10:13 PM



#28

Bromochloromethane

Concen: 96.177 ug/l

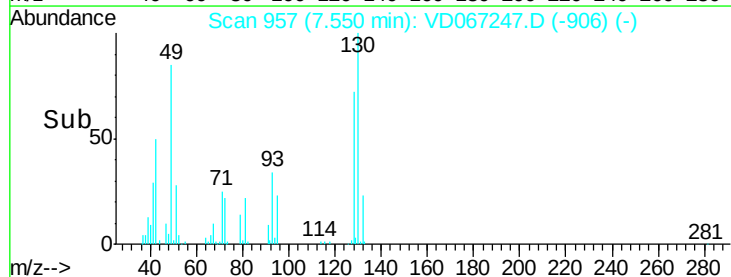
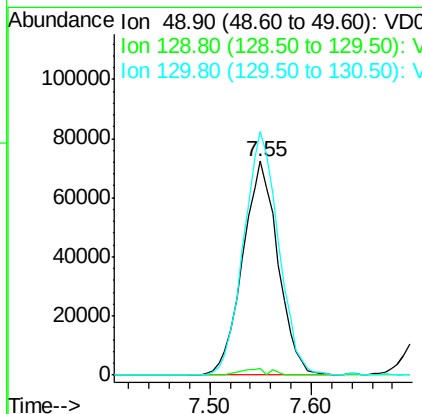
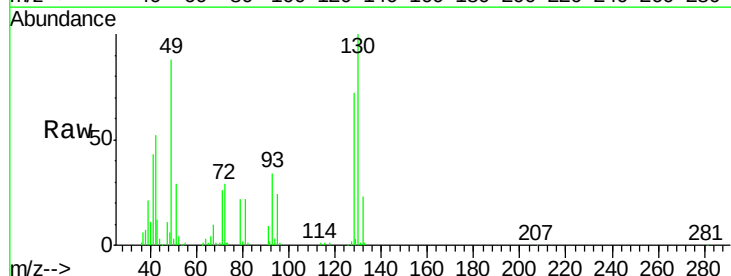
RT: 7.55 min Scan# 957

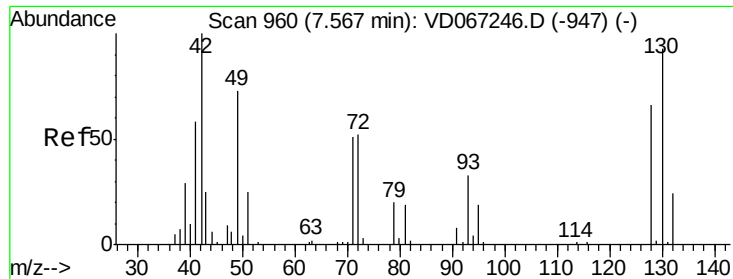
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	49	Resp:	175165
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	1.6#
130	112.4	91.0	136.6





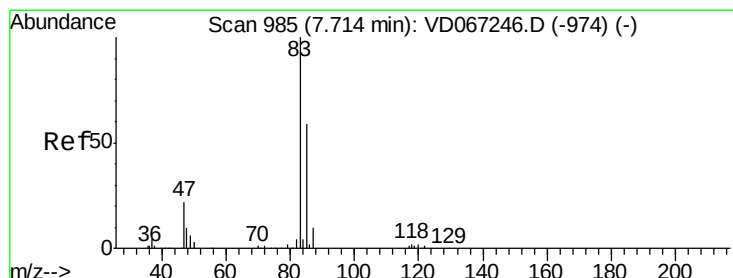
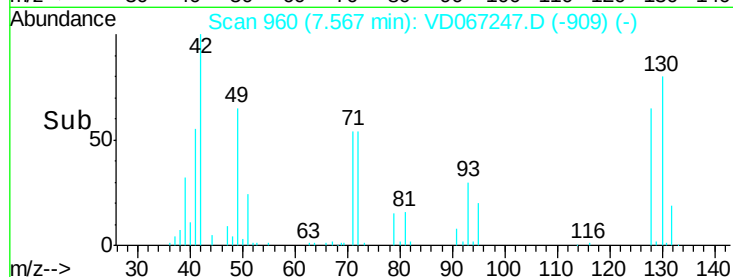
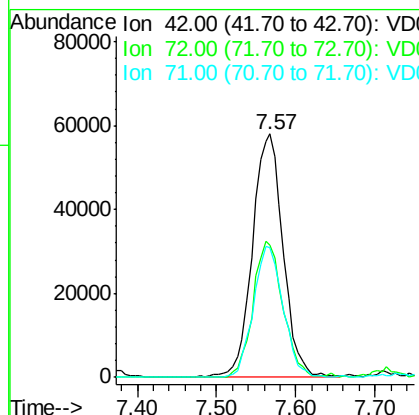
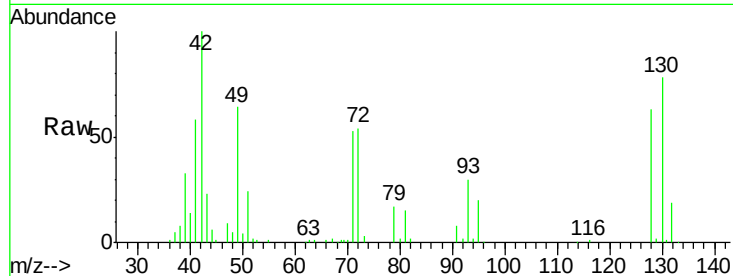
#29
Tetrahydrofuran
Concen: 489.888 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	43.2	64.8
71	52.3	39.4	59.0

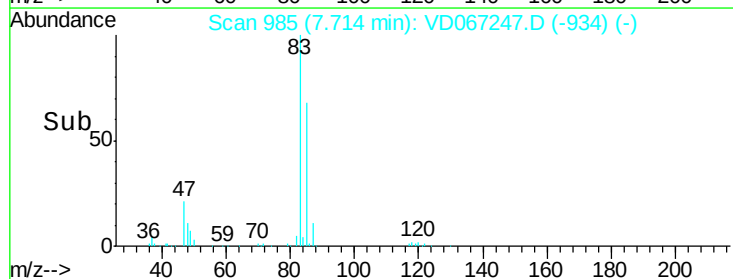
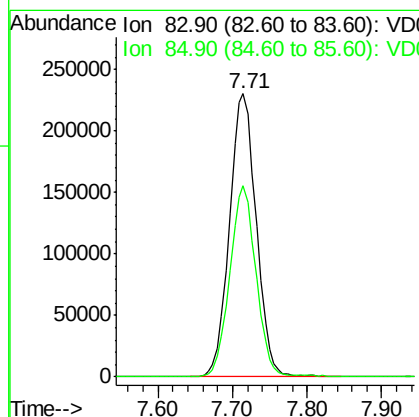
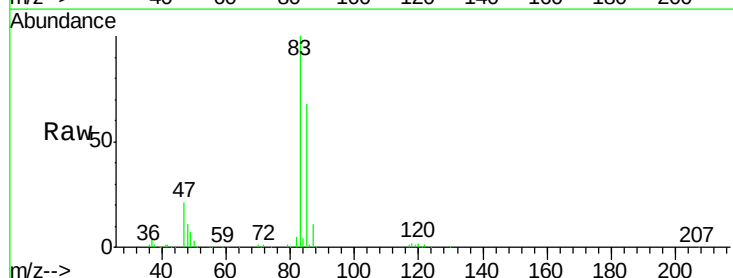
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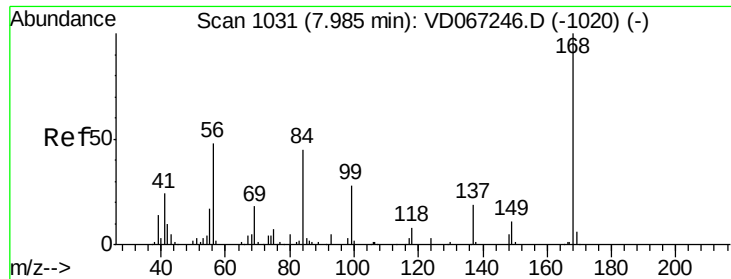
MMDadoda
10/14/2020 2:10:13 PM



#30
Chloroform
Concen: 87.833 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	47.3	70.9





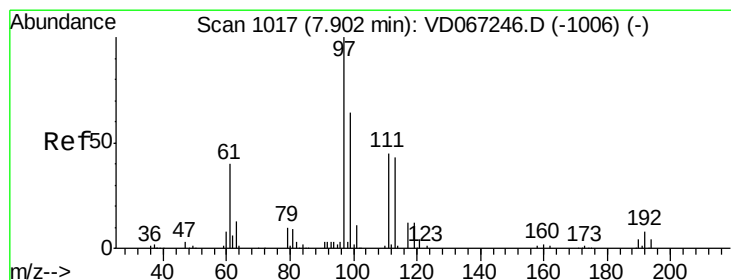
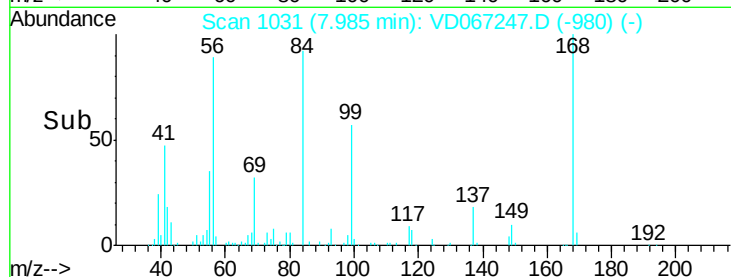
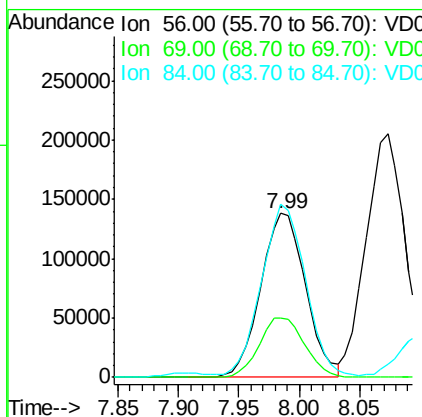
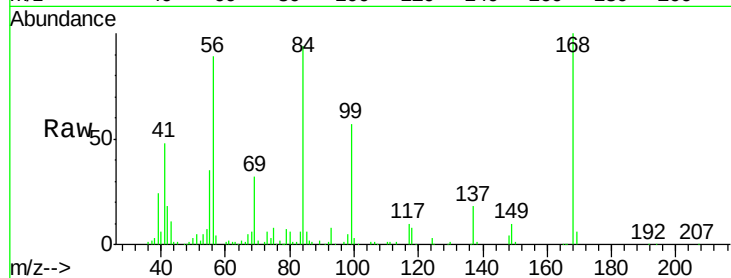
#31
Cyclohexane
Concen: 81.480 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	36.5	29.8	44.6	
84	102.9	76.6	114.8	

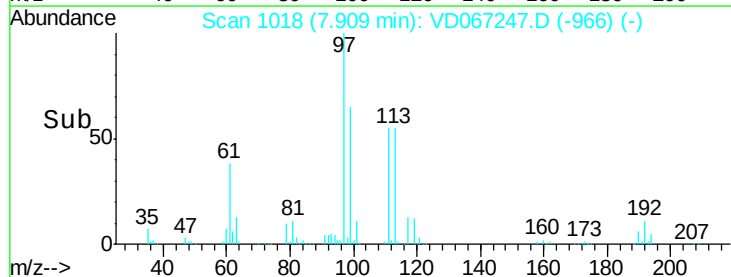
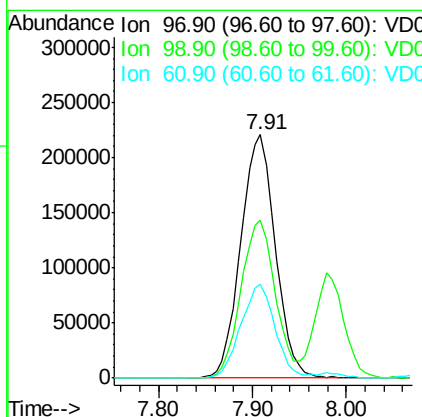
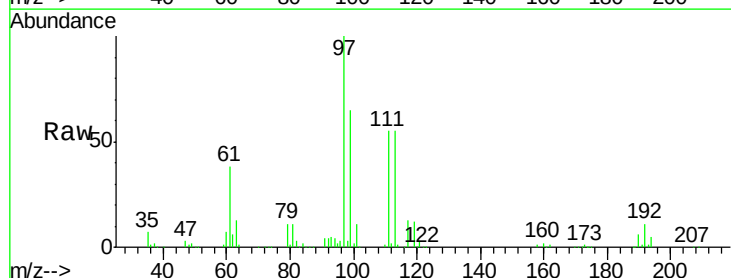
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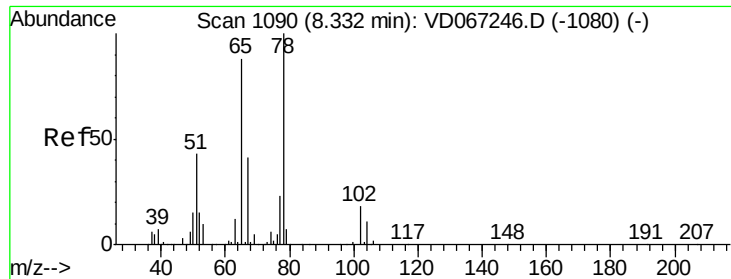
MMDadoda
10/14/2020 2:10:13 PM



#32
1,1,1-Trichloroethane
Concen: 87.561 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.9	50.2	75.4	
61	38.5	30.5	45.7	





#33

1,2-Dichloroethane-d4

Concen: 92.496 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 338973

Ion Ratio Lower Upper

65 100

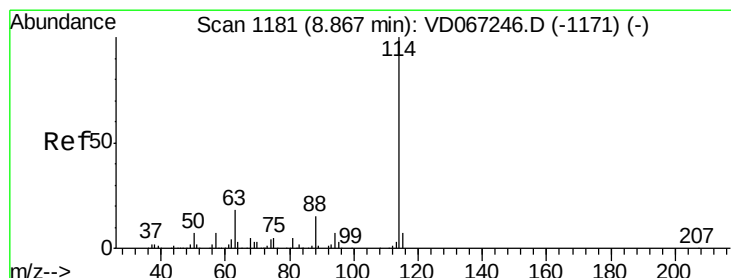
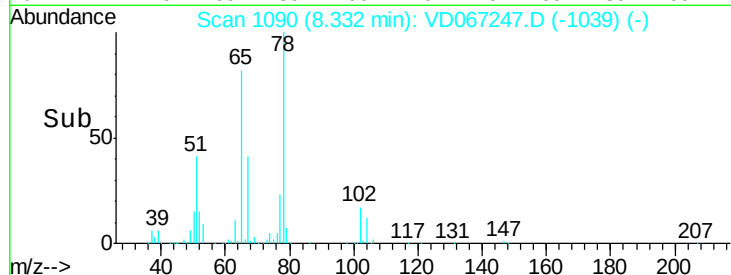
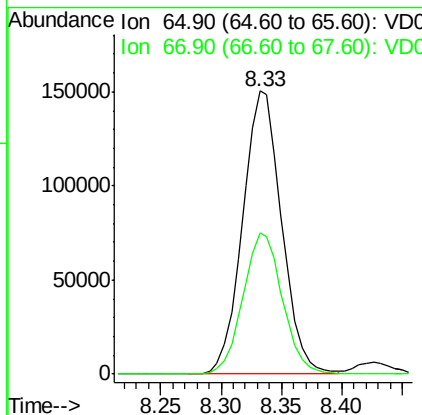
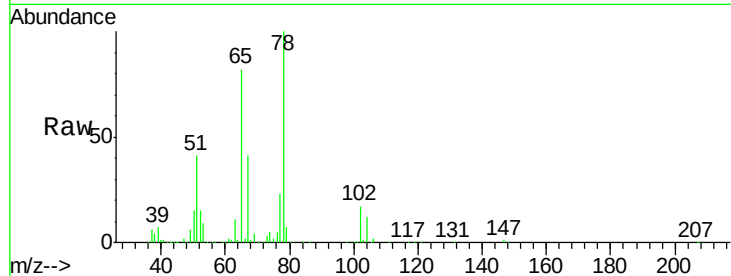
67 50.4 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

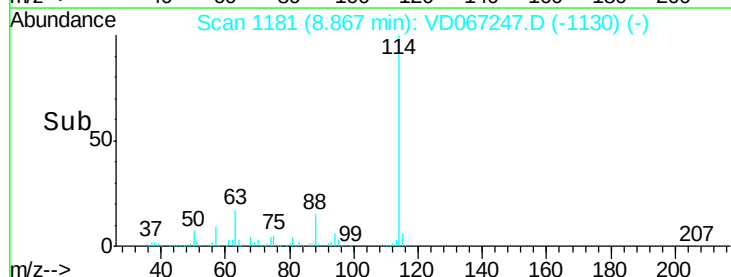
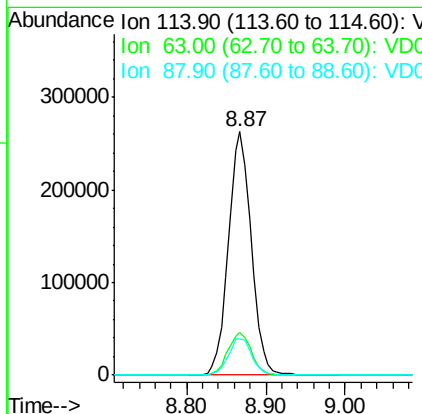
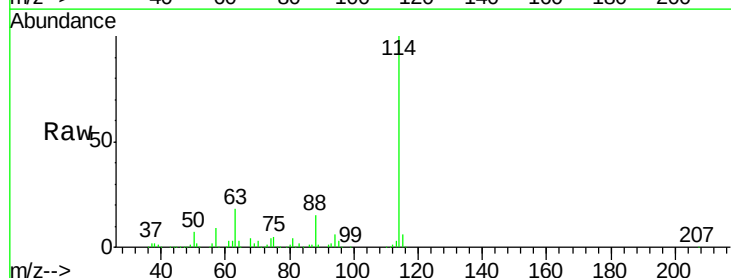
Tgt Ion: 114 Resp: 523397

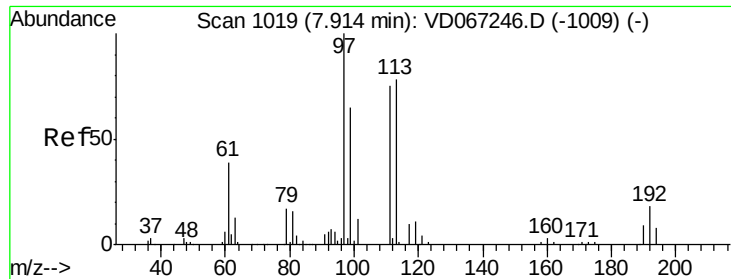
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 15.0 0.0 30.6





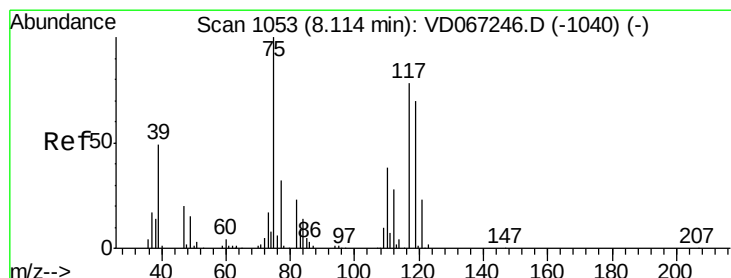
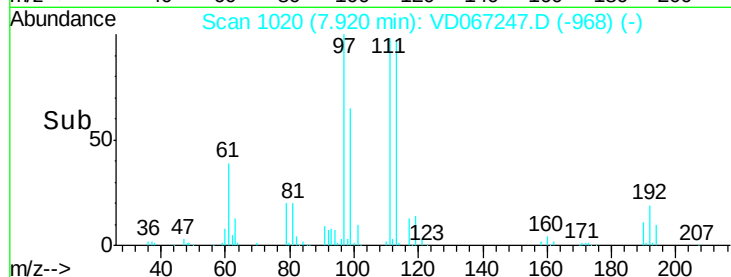
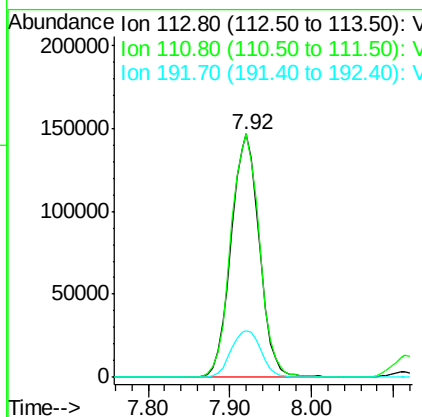
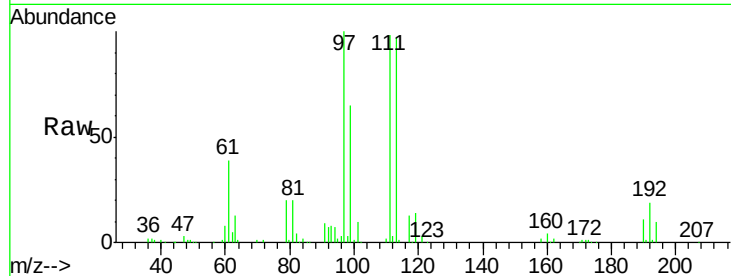
#35
 Dibromofluoromethane
 Concen: 101.041 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	352141		
111	101.4	81.6	122.4	
192	20.5	17.0	25.4	

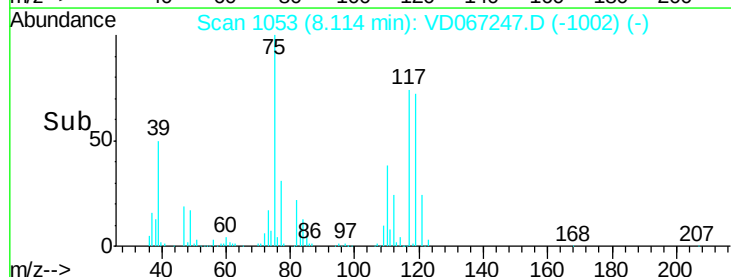
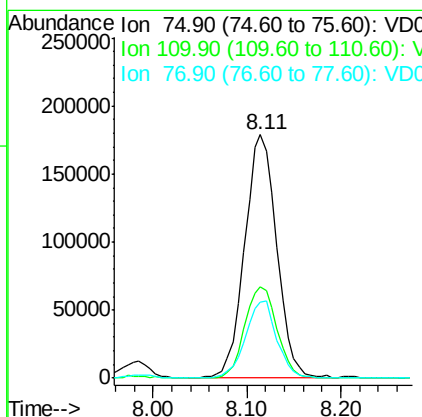
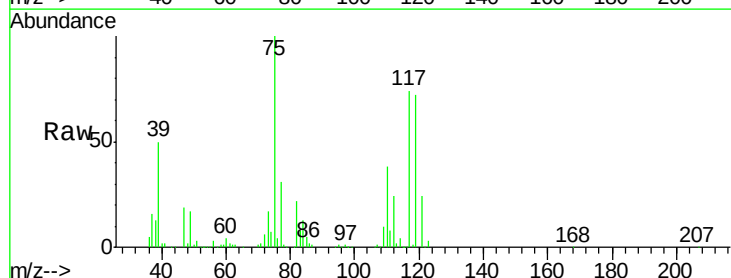
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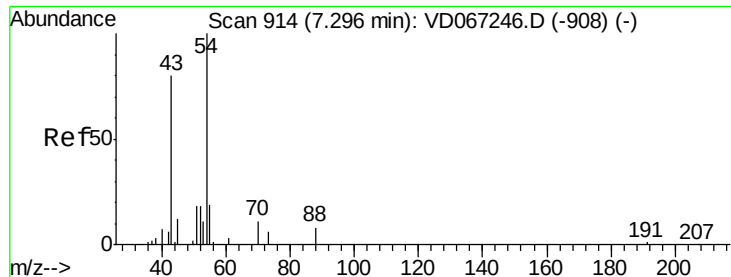
MMDadoda
 10/14/2020 2:10:13 PM



#36
 1,1-Dichloropropene
 Concen: 92.085 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	421642		
110	37.9	19.6	58.7	
77	31.1	24.6	37.0	





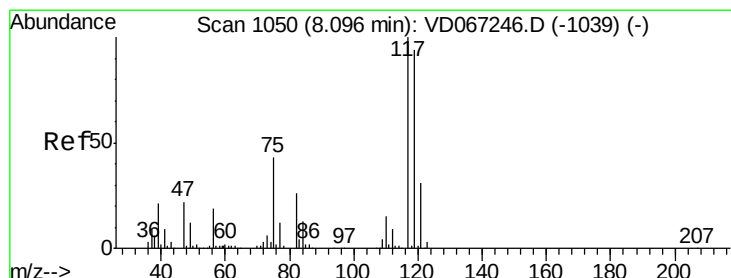
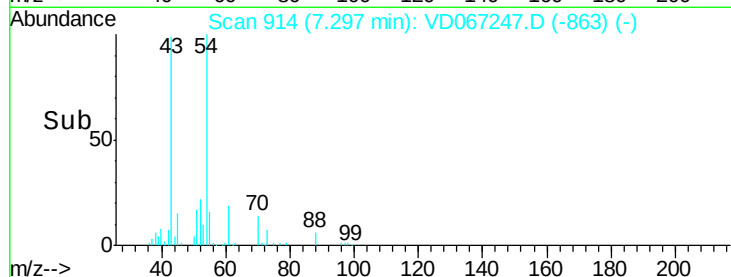
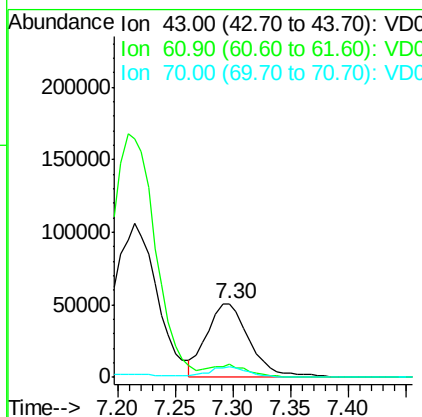
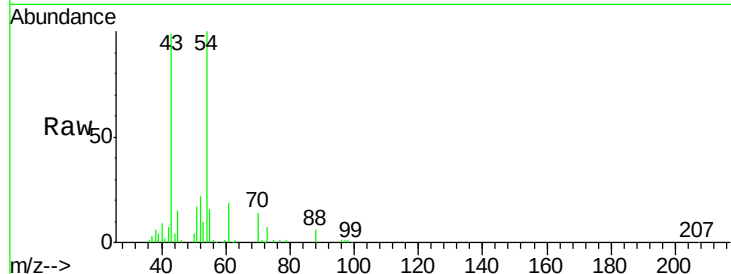
#37
Ethyl Acetate
Concen: 97.682 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	15.6	23.4#
70	13.7	10.4	15.6

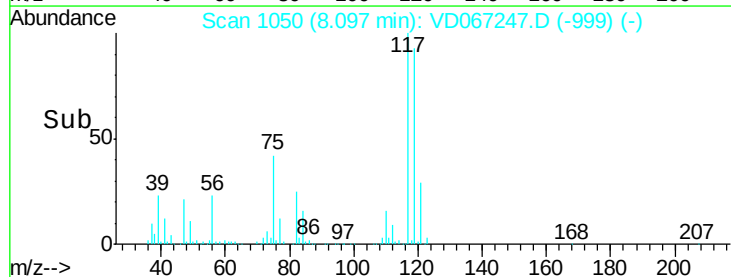
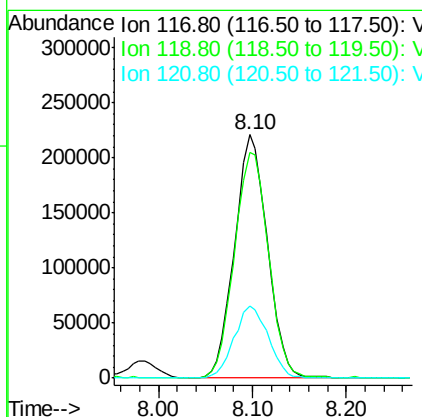
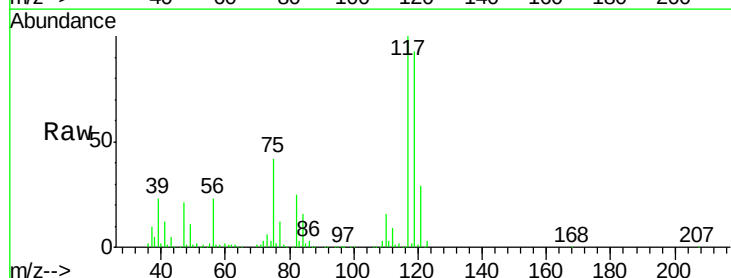
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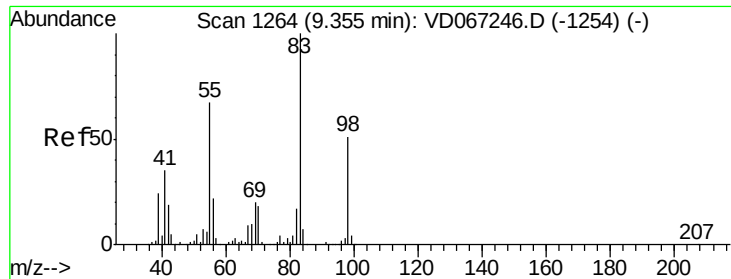
MMDadoda
10/14/2020 2:10:13 PM



#38
Carbon Tetrachloride
Concen: 90.906 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.4
121	29.5	24.9	37.3





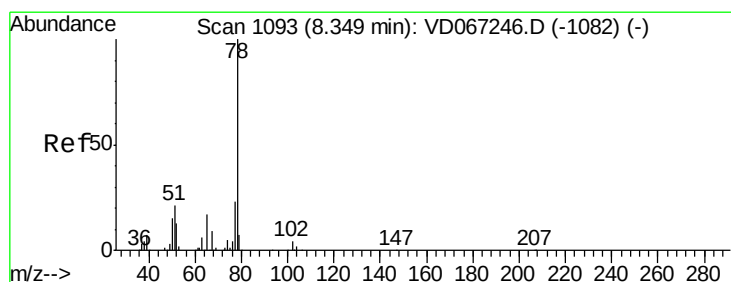
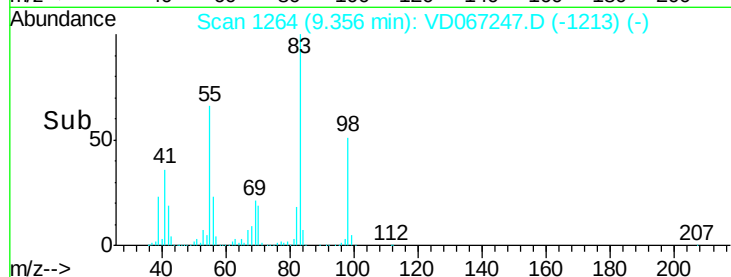
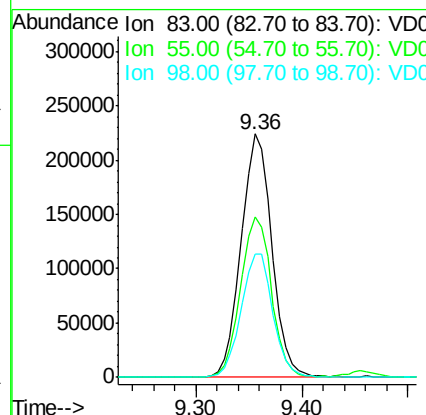
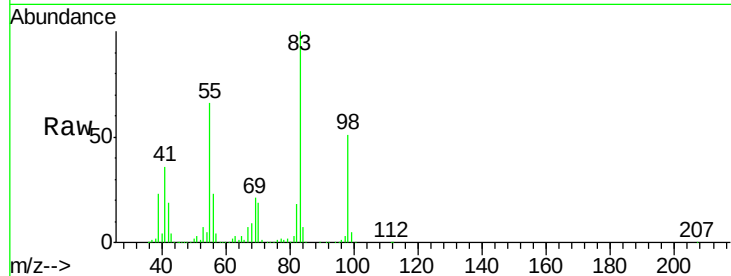
#39
Methylvlcyclohexane
Concen: 96.810 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.9	53.3	79.9
98	50.8	41.0	61.4

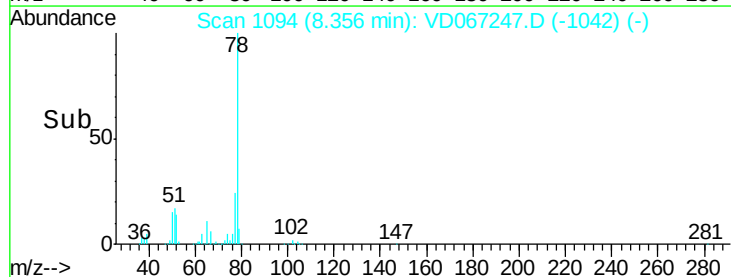
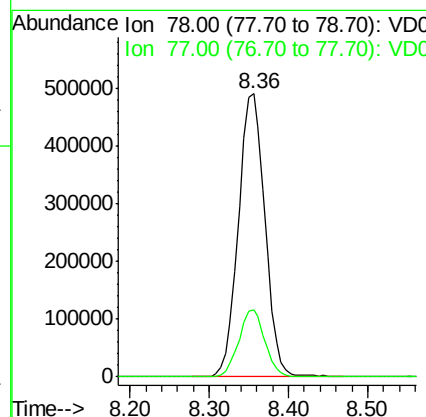
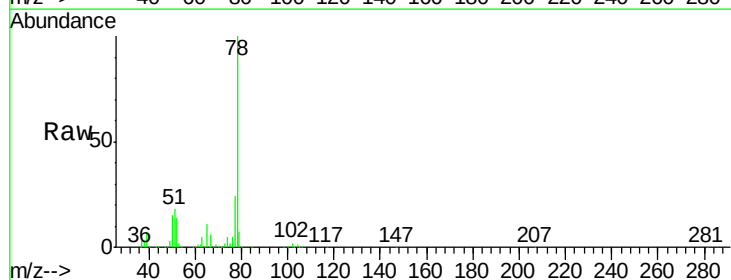
Manual Integrations
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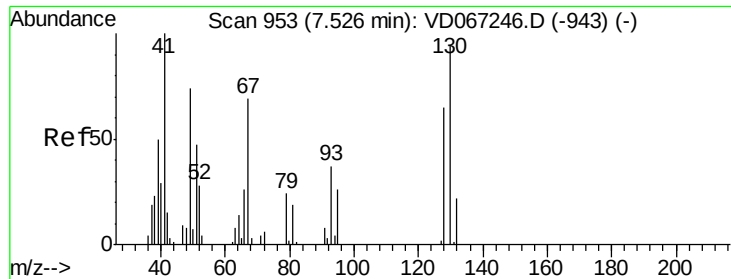
MMDadoda
10/14/2020 2:10:13 PM



#40
Benzene
Concen: 90.407 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





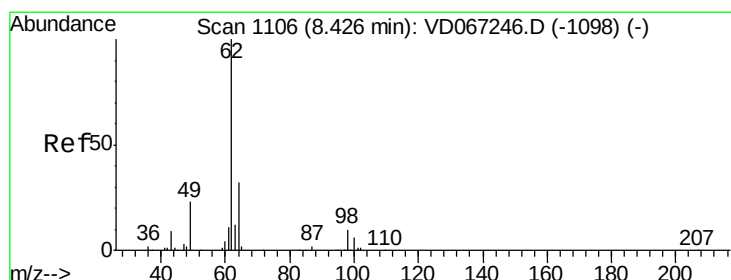
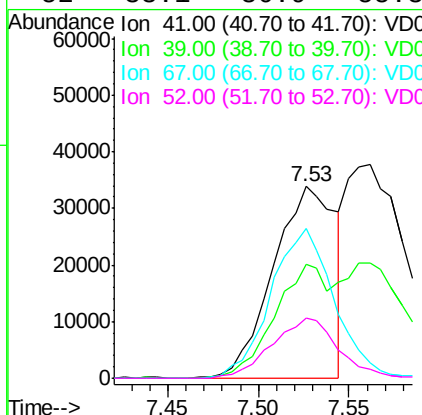
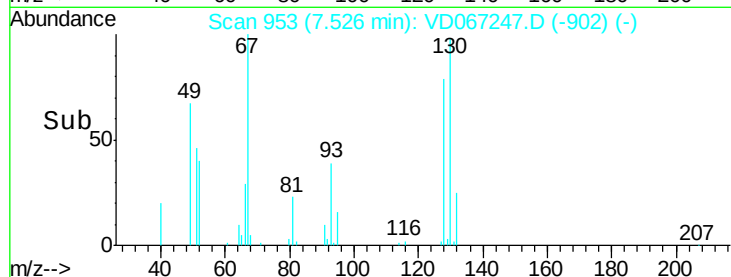
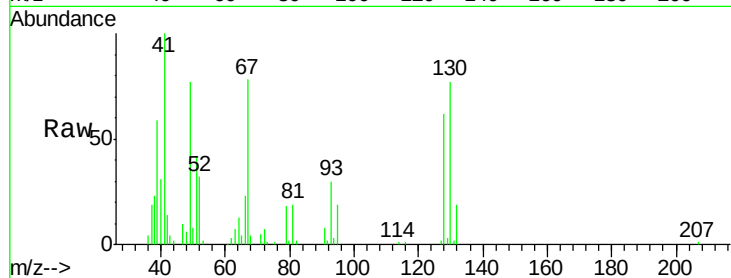
#41
Methacrylonitrile
Concen: 143.766 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.3	60.0	90.0#
67	80.0	88.9	133.3#
52	33.1	36.9	55.3#

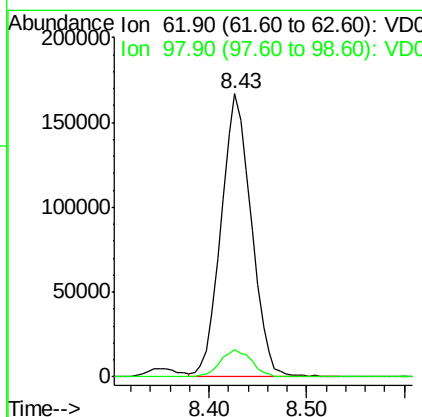
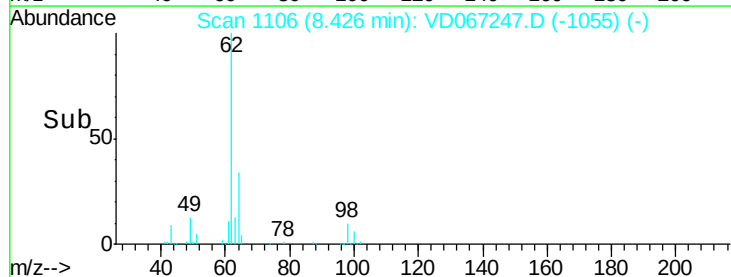
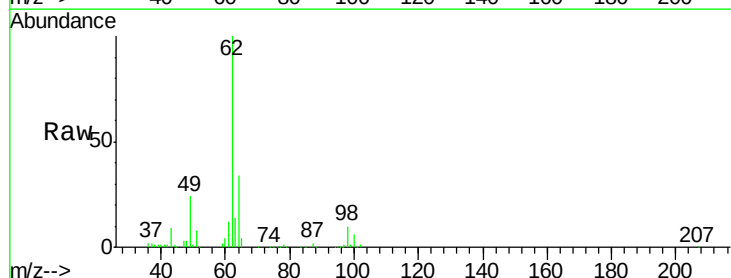
Manual Integrations
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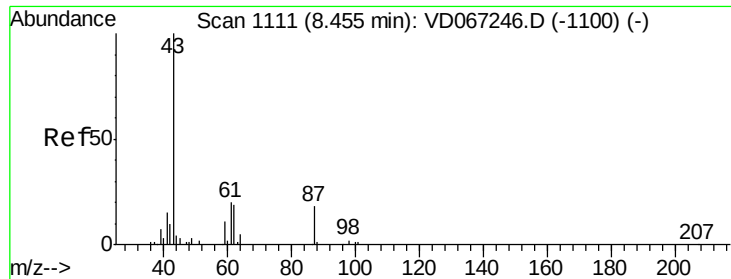
MMDadoda
10/14/2020 2:10:13 PM



#42
1,2-Dichloroethane
Concen: 90.492 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





#43

Isopropyl Acetate

Concen: 98.743 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

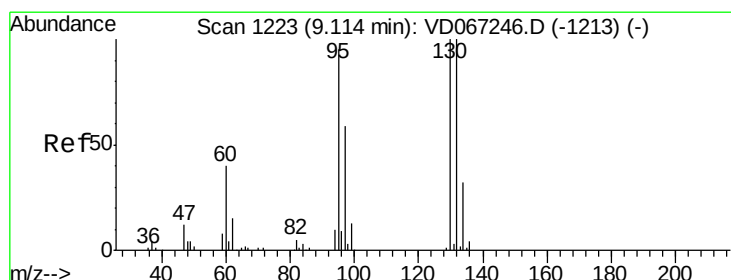
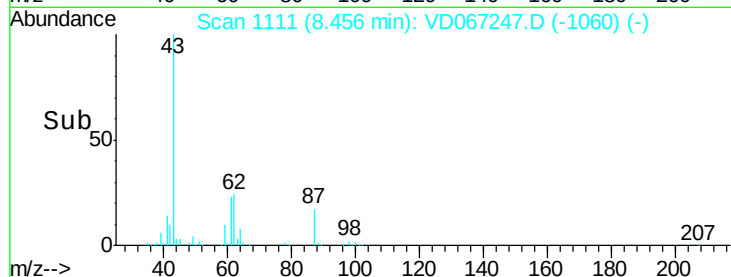
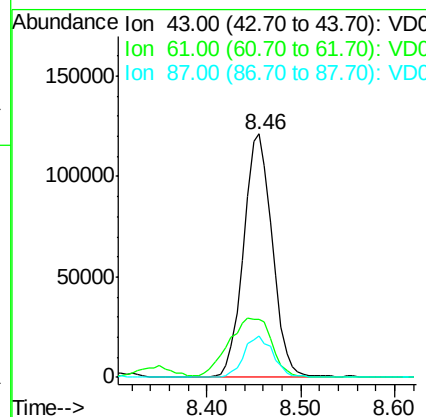
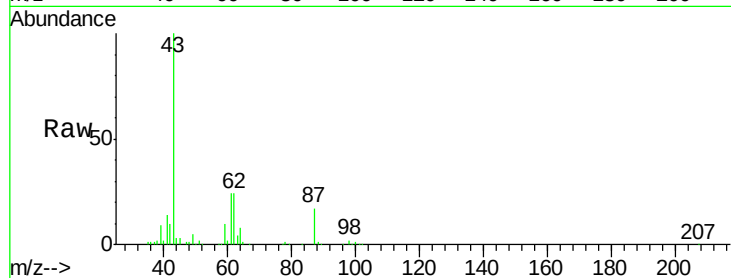
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	256846
Ion	Ratio	Lower	Upper
43	100		
61	36.7	29.5	44.3
87	17.4	14.2	21.4

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#44

Trichloroethene

Concen: 89.973 ug/l

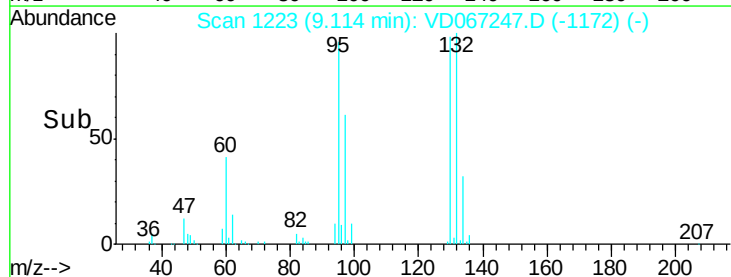
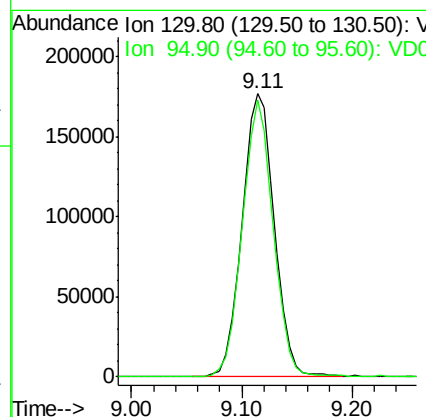
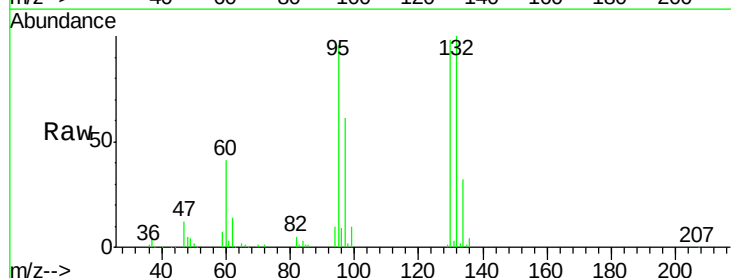
RT: 9.11 min Scan# 1223

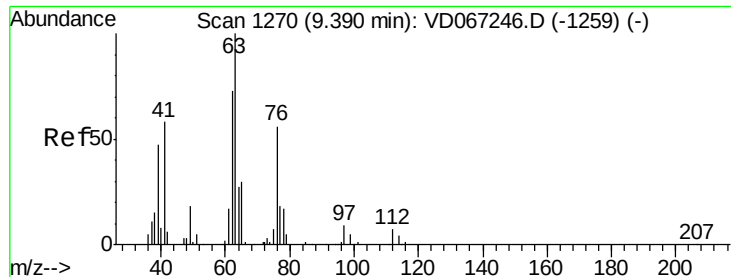
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	130	Resp:	362722
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	190.6





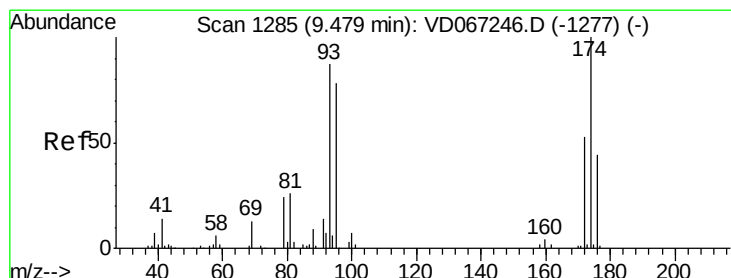
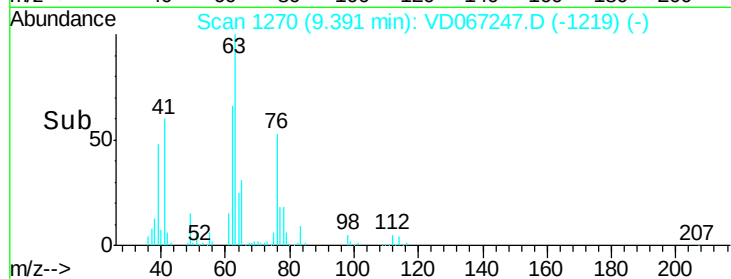
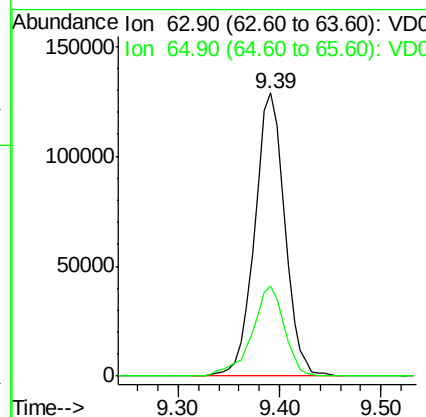
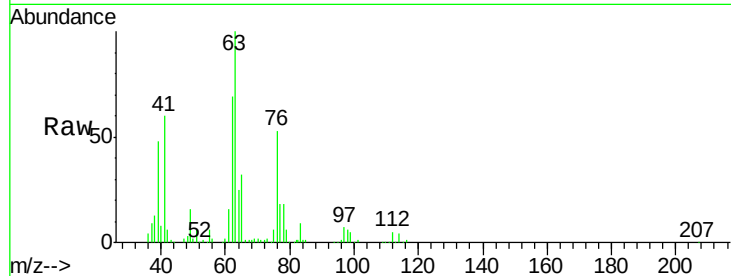
#45
 1,2-Dichloropropane
 Concen: 91.651 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	36.8

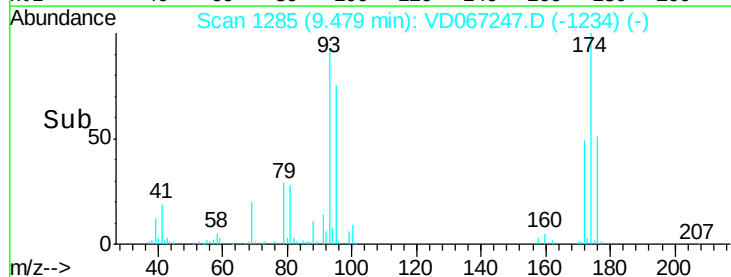
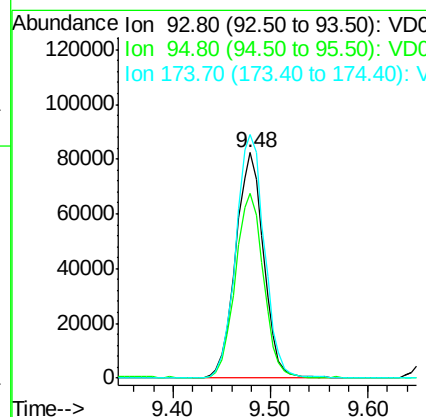
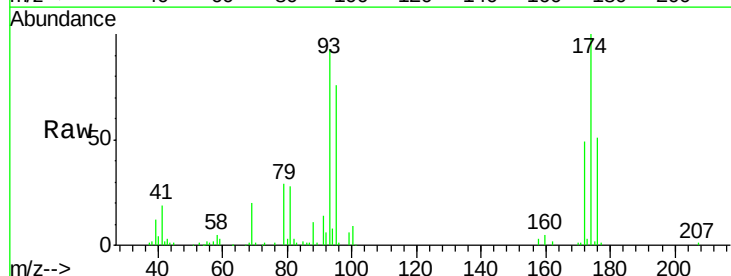
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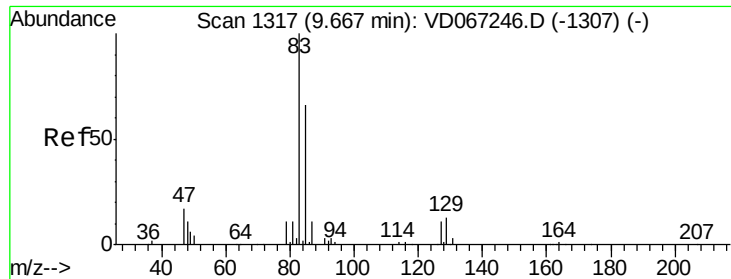
MMDadoda
 10/14/2020 2:10:13 PM



#46
 Dibromomethane
 Concen: 90.237 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	68.0	102.0
174	109.9	91.8	137.6





#47

Bromodichloromethane

Concen: 93.081 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

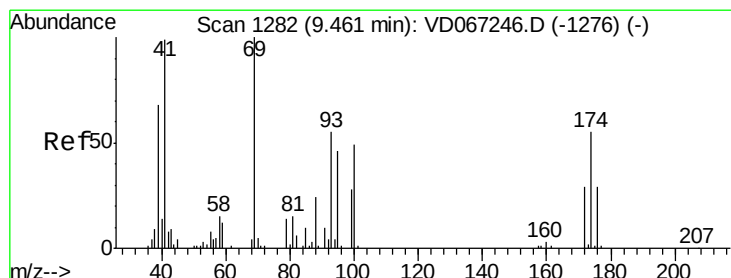
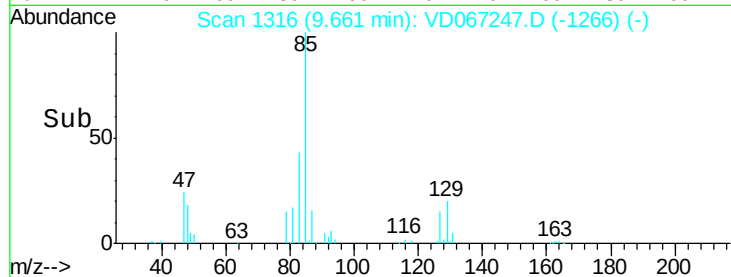
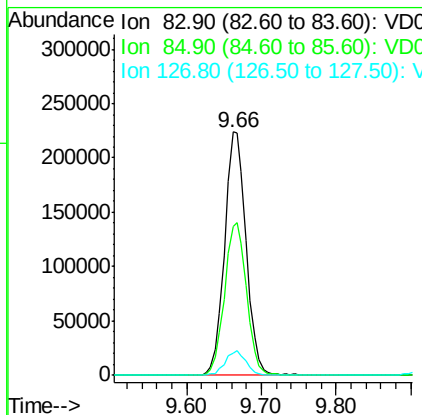
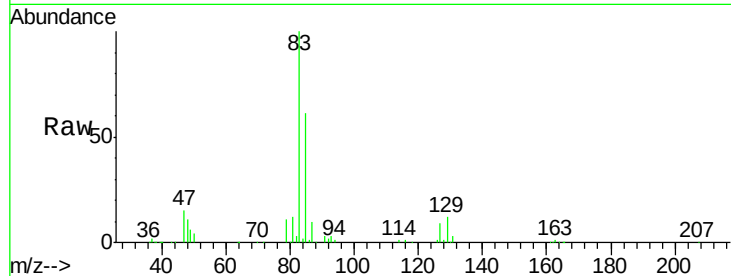
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	449658
Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.1	79.7
127	9.2	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 98.313 ug/l

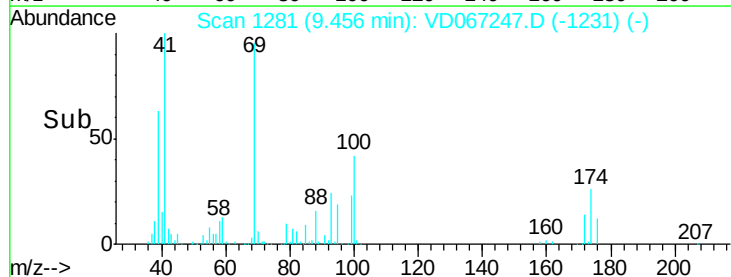
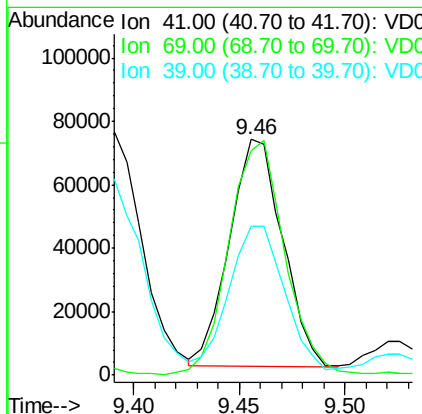
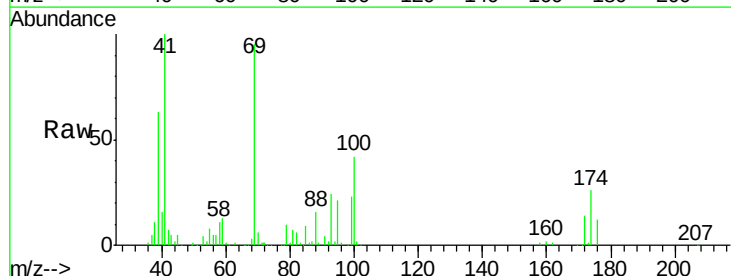
RT: 9.46 min Scan# 1281

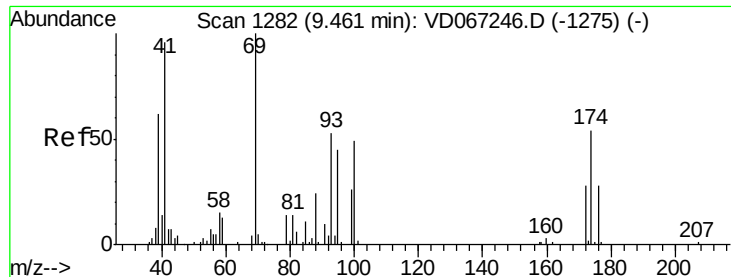
Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	41	Resp:	124580
Ion	Ratio	Lower	Upper
41	100		
69	109.9	89.0	133.6
39	64.8	60.2	90.2





#49

1,4-Dioxane

Concen: 1751.224 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 33883

Ion Ratio Lower Upper

88 100

43 31.7 23.9 35.9

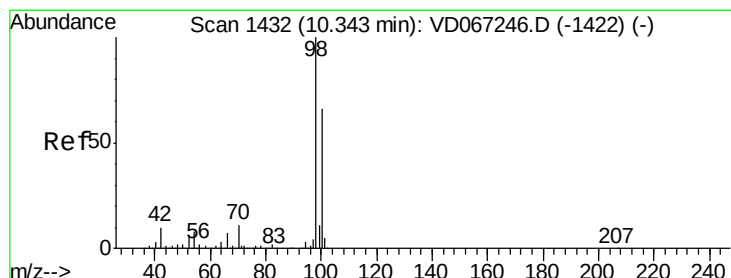
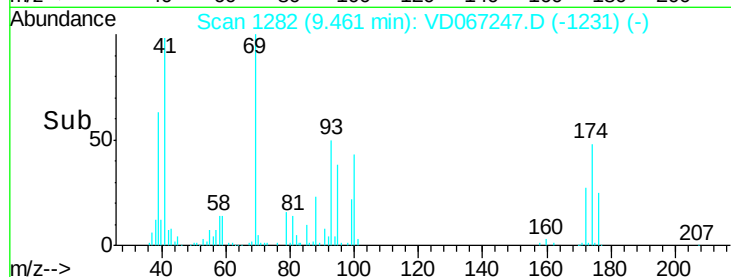
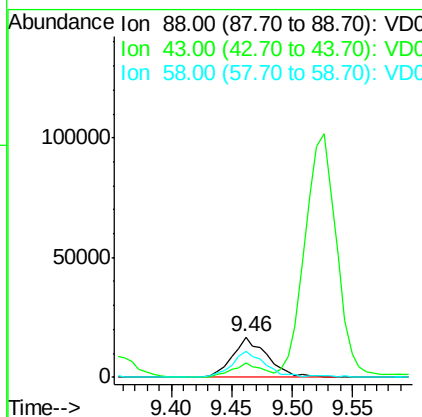
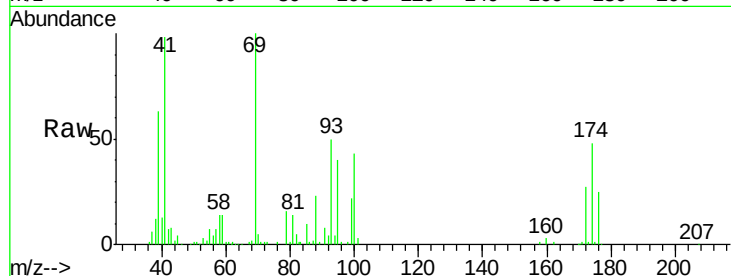
58 60.5 51.0 76.6

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#50

Toluene-d8

Concen: 98.274 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067247.D

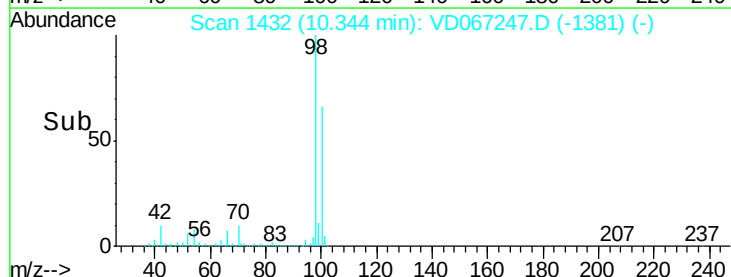
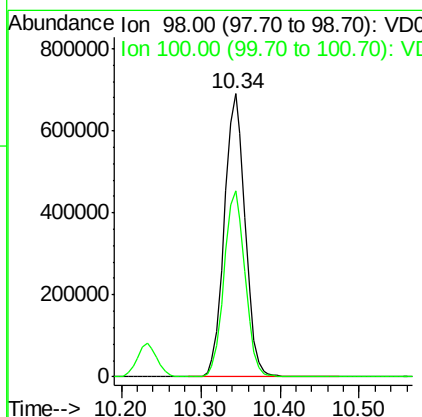
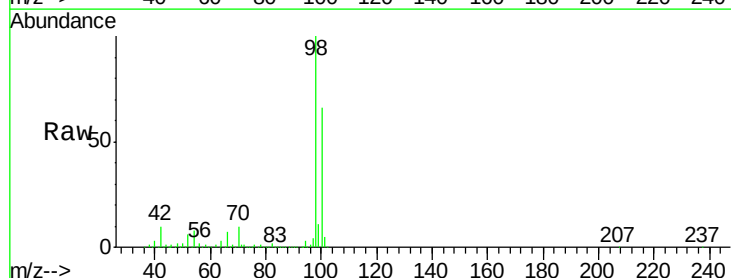
Acq: 13 Oct 2020 12:16

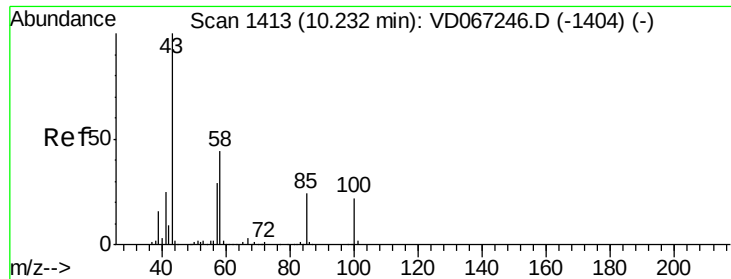
Tgt Ion: 98 Resp: 1249079

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7





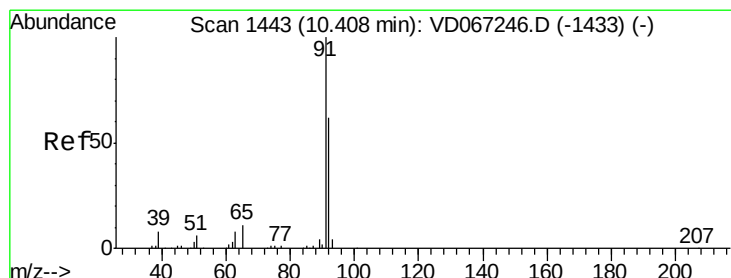
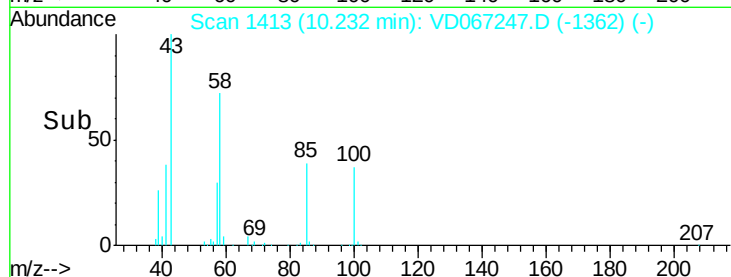
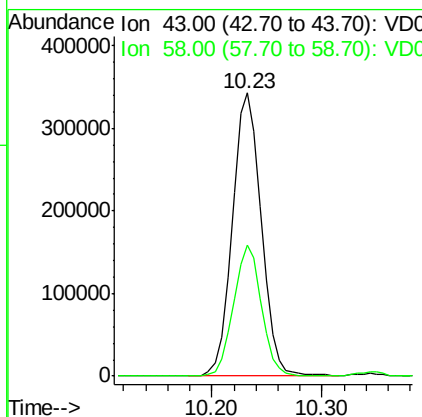
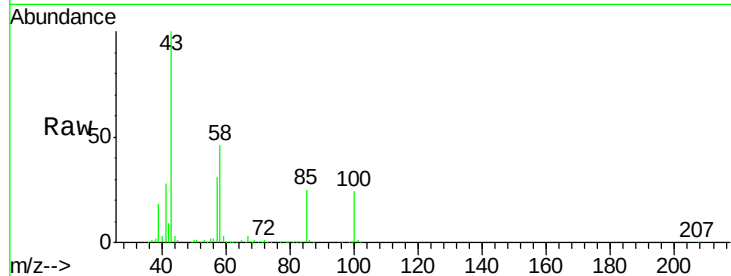
#51
4-Methyl-2-Pentanone
Concen: 476.595 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 629070
Ion Ratio Lower Upper
43 100
58 44.7 35.7 53.5

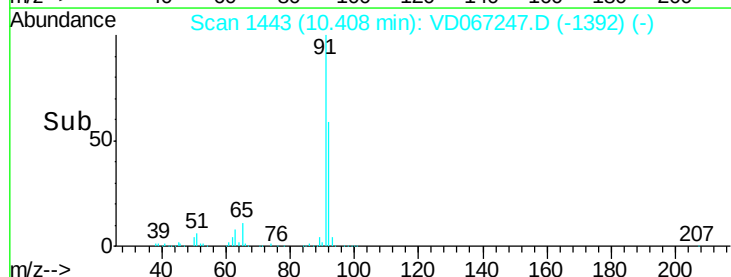
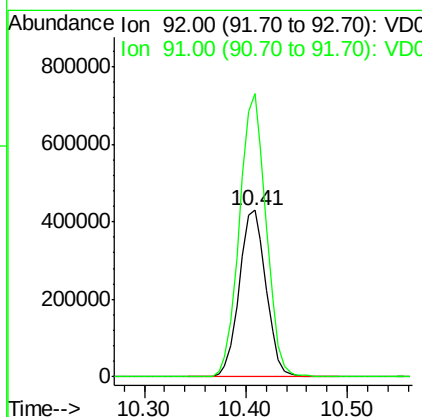
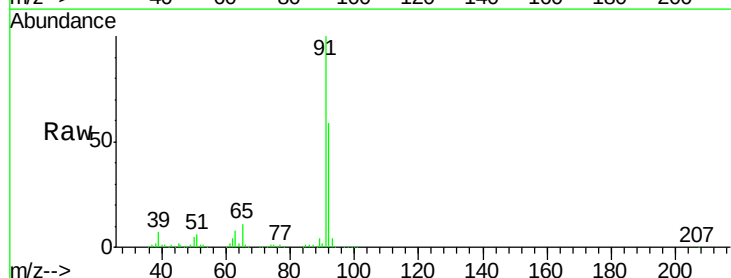
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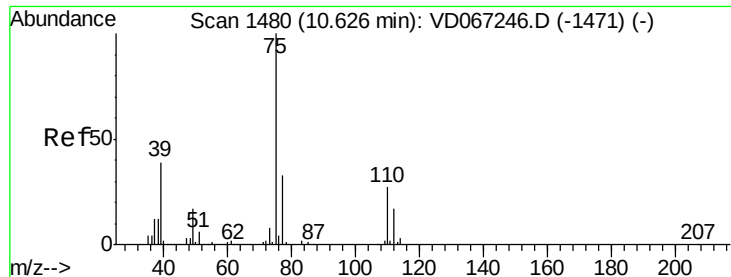
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#52
Toluene
Concen: 92.513 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 92 Resp: 790111
Ion Ratio Lower Upper
92 100
91 167.8 133.8 200.8





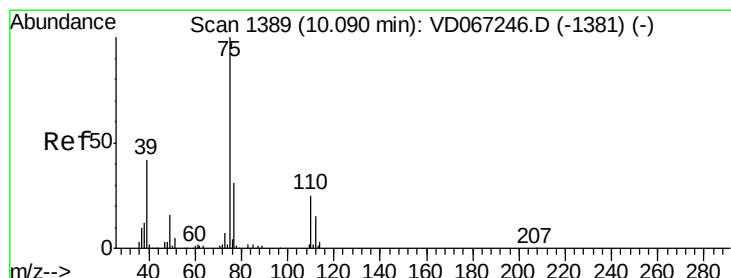
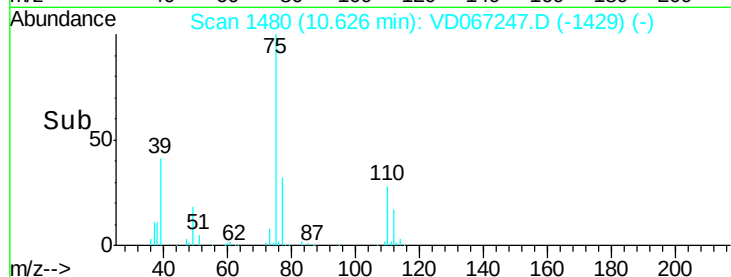
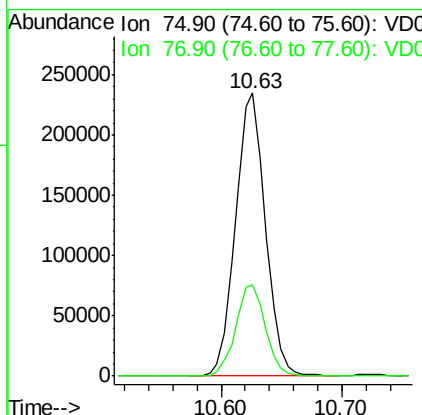
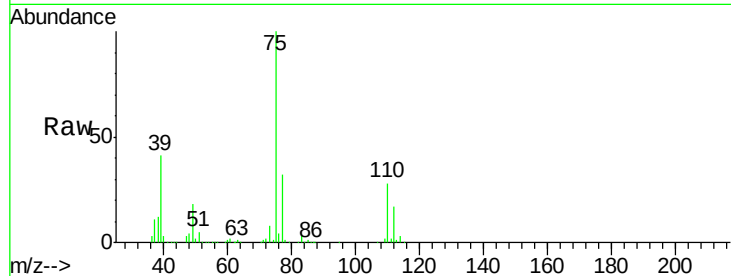
#53
t-1,3-Dichloropropene
Concen: 96.496 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 405465
Ion Ratio Lower Upper
75 100
77 32.3 26.5 39.7

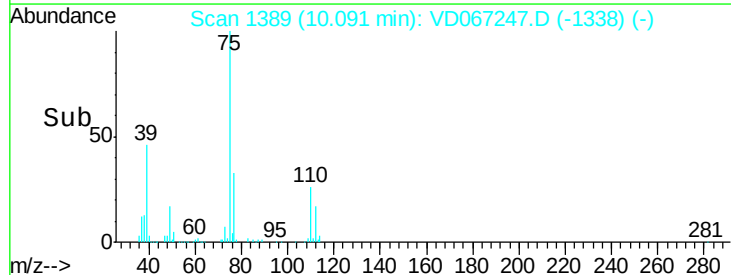
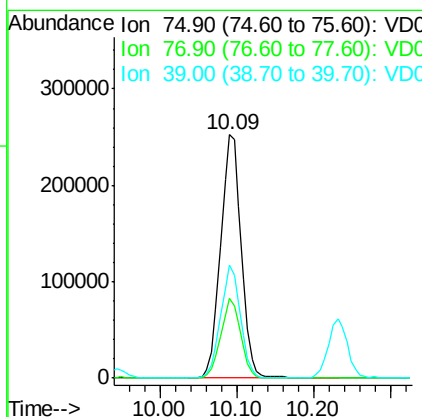
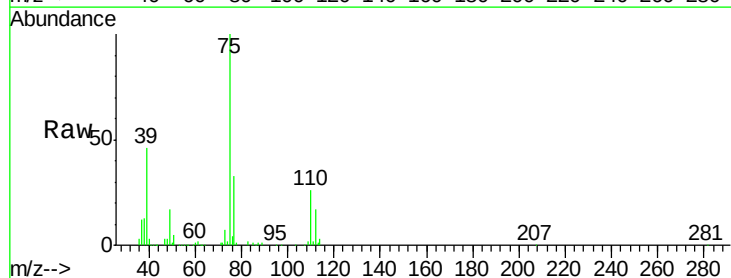
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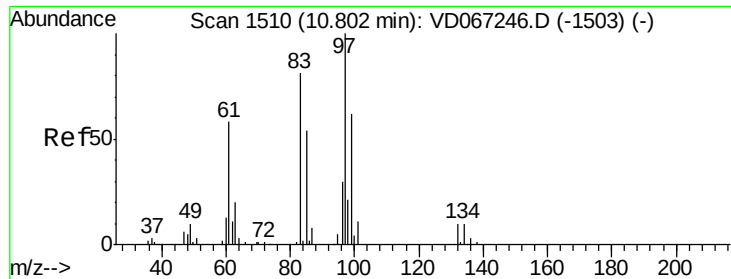
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#54
cis-1,3-Dichloropropene
Concen: 94.992 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 75 Resp: 467625
Ion Ratio Lower Upper
75 100
77 32.8 24.5 36.7
39 46.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 87.372 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

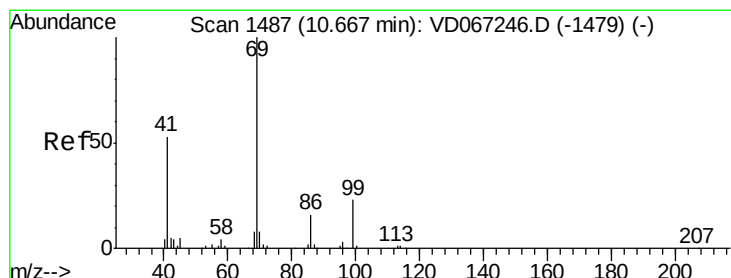
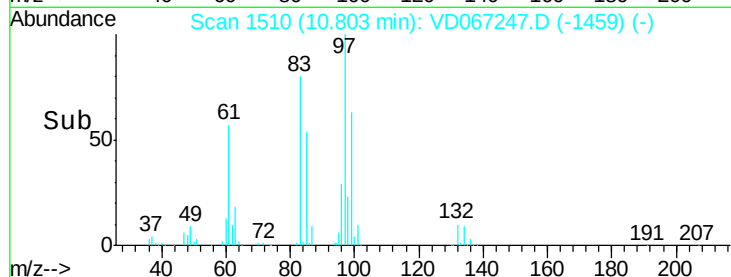
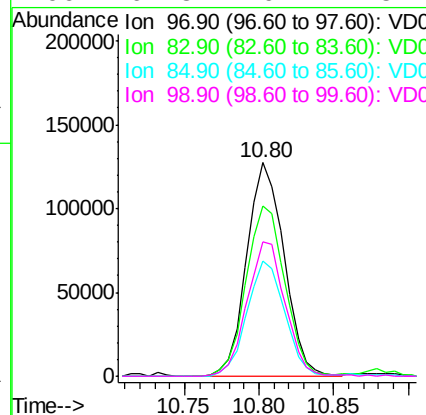
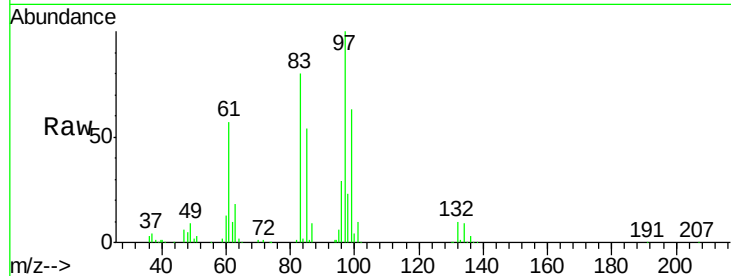
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	218835		
83	79.9	64.9	97.3	
85	54.2	43.3	64.9	
99	62.8	49.1	73.7	

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#56

Ethyl methacrylate

Concen: 105.095 ug/l

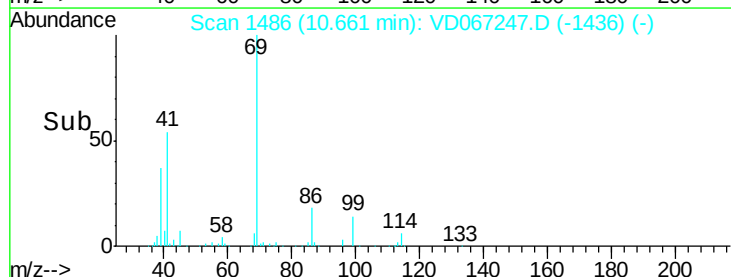
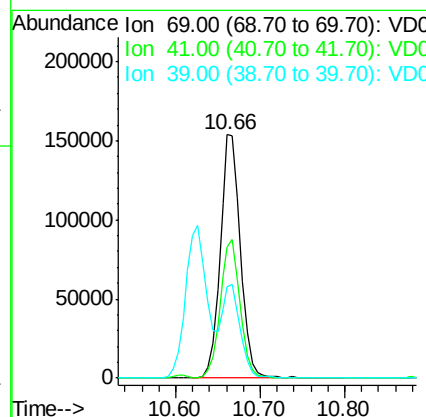
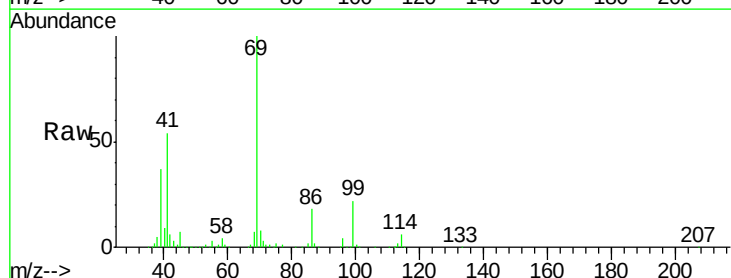
RT: 10.66 min Scan# 1486

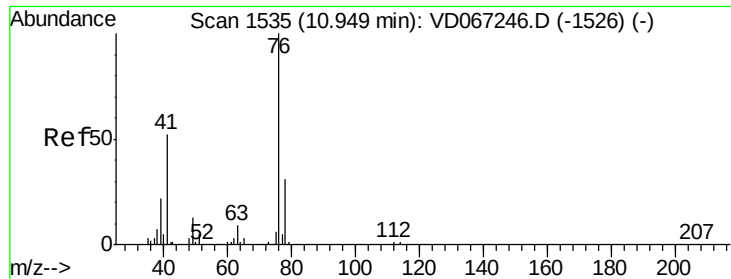
Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	257186		
41	56.4	44.7	67.1	
39	33.2	26.2	39.2	





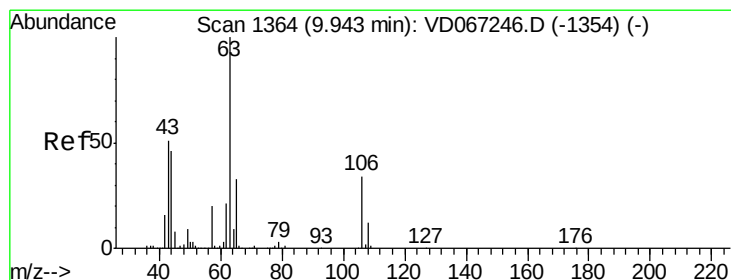
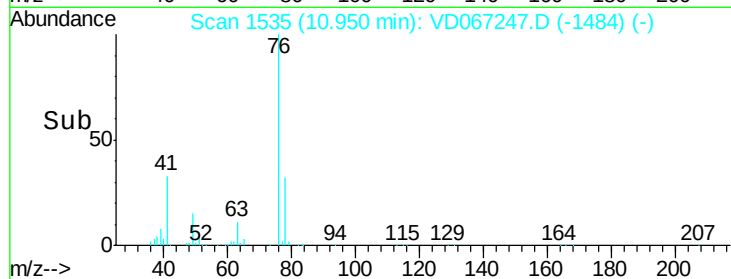
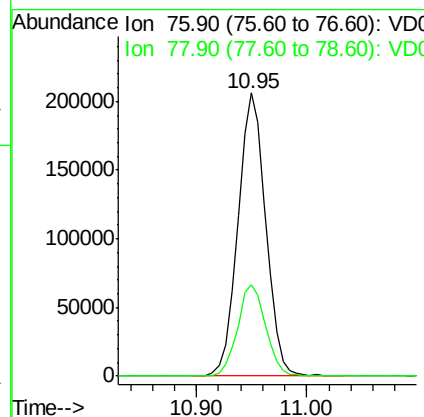
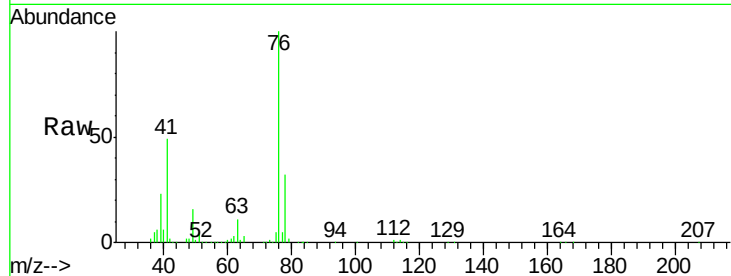
#57
 1,3-Dichloropropane
 Concen: 92.845 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.8	40.2

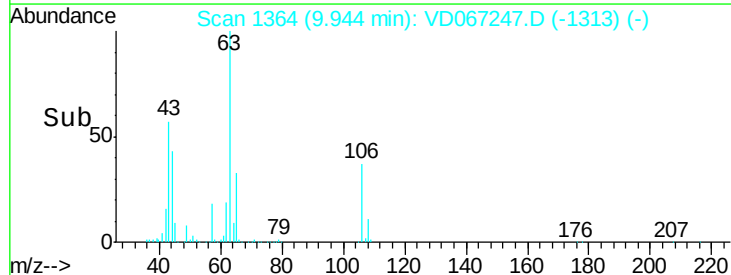
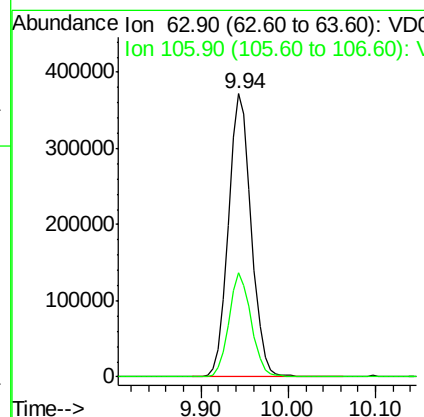
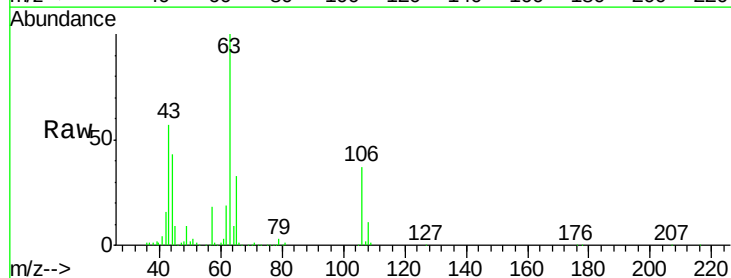
Manual Integrations
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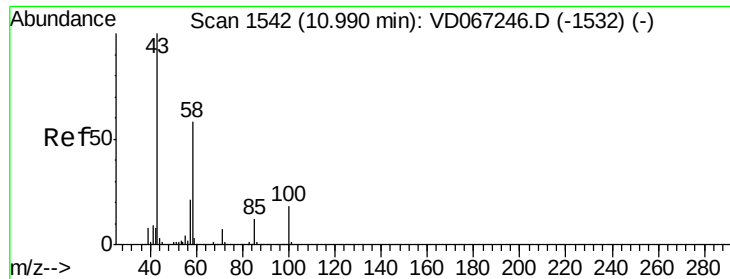
MMDadoda
 10/14/2020 2:10:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 528.600 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.6	27.8	41.6





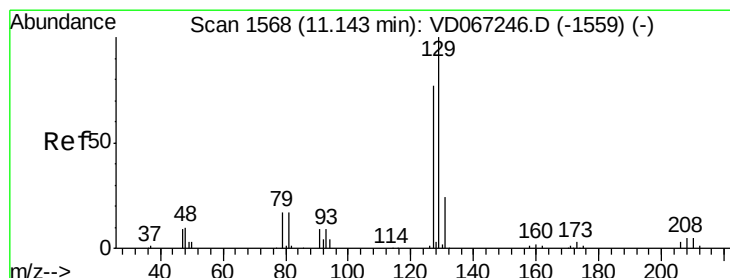
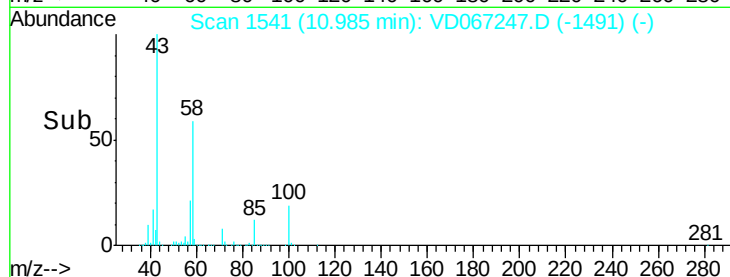
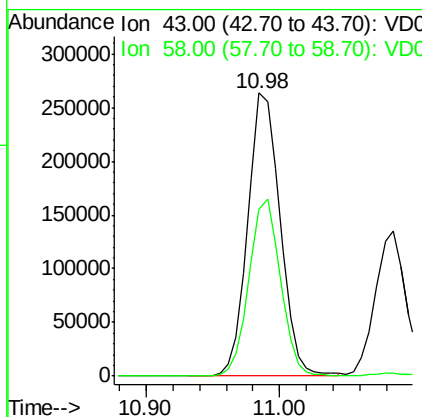
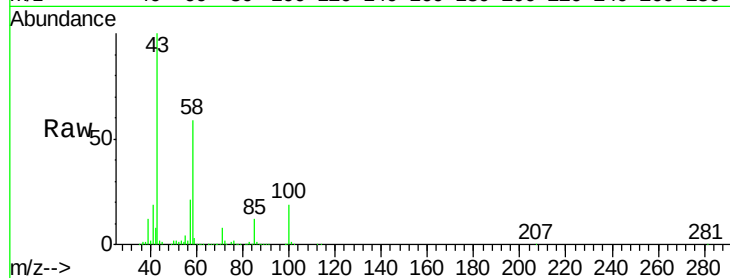
#59
2-Hexanone
Concen: 497.081 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 441817
Ion Ratio Lower Upper
43 100
58 60.7 29.3 87.9

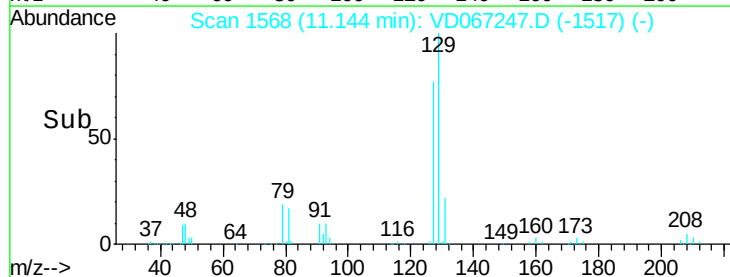
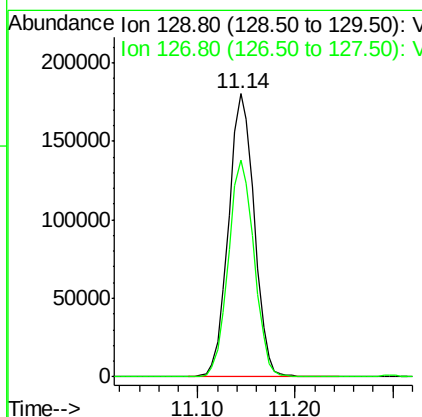
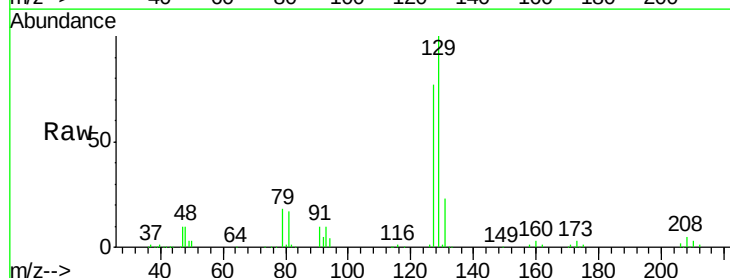
Manual Integrations
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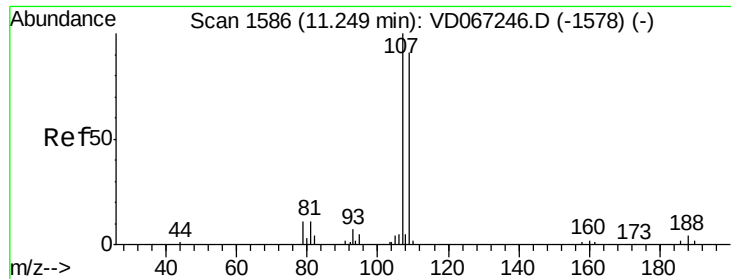
MMDadoda
10/14/2020 2:10:13 PM



#60
Dibromochloromethane
Concen: 91.098 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 129 Resp: 329537
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





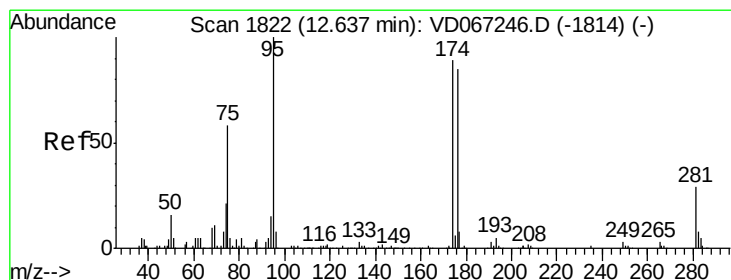
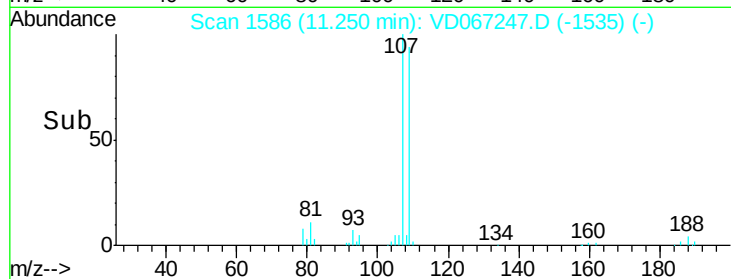
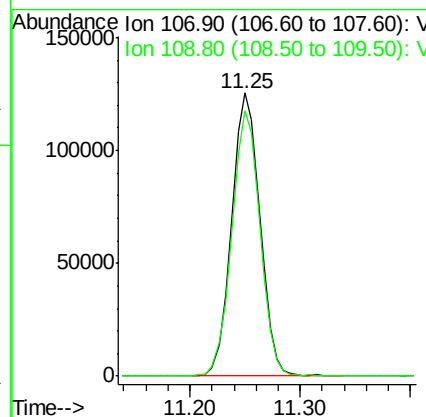
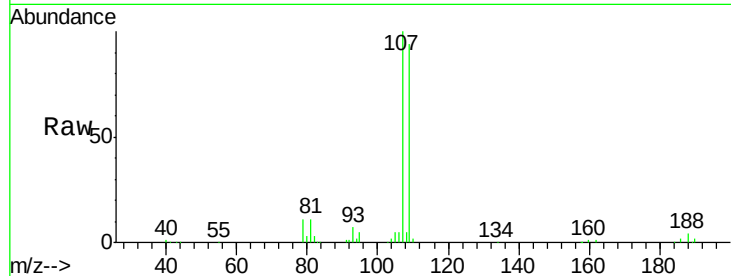
#61
 1,2-Dibromoethane
 Concen: 92.733 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	226118		
109	93.7	74.6	112.0	

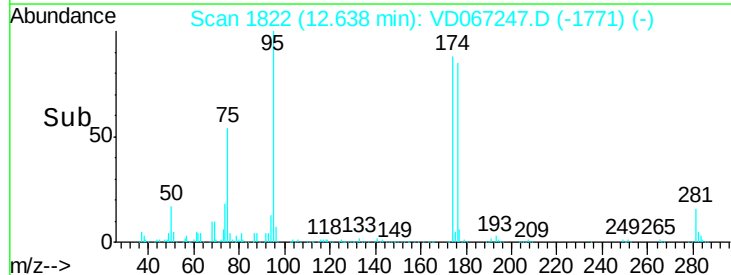
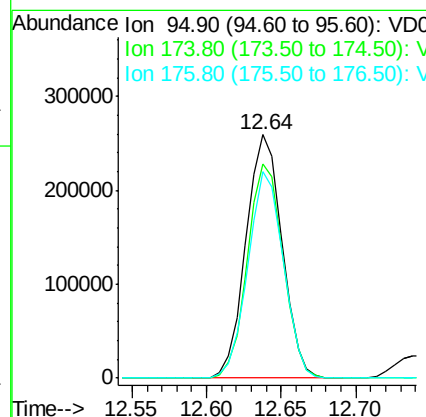
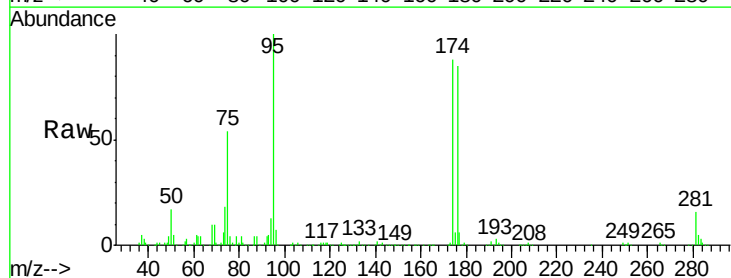
Manual Integrations
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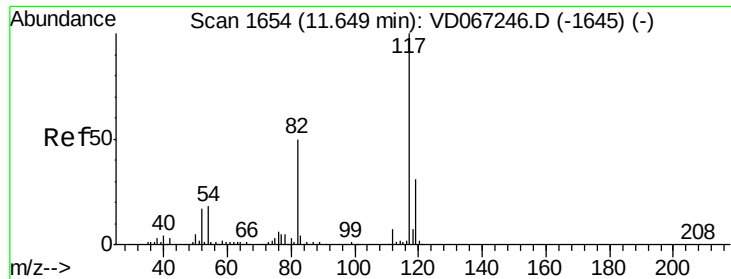
MMDadoda
 10/14/2020 2:10:13 PM



#62
 4-Bromofluorobenzene
 Concen: 97.788 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	432382		
174	87.2	0.0	175.2	
176	83.2	0.0	168.6	





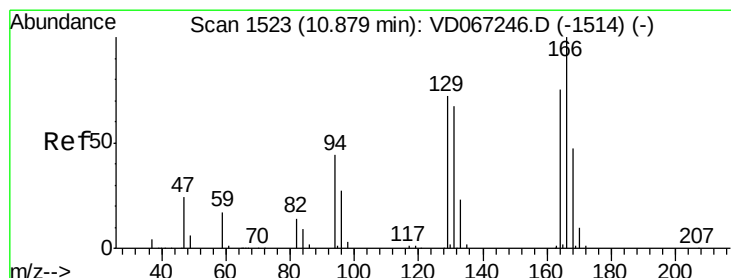
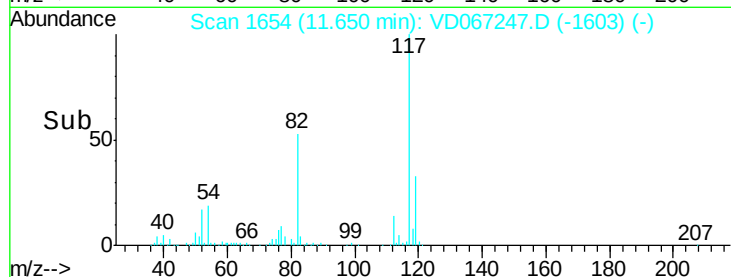
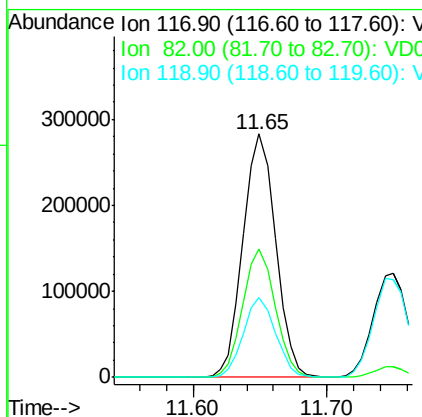
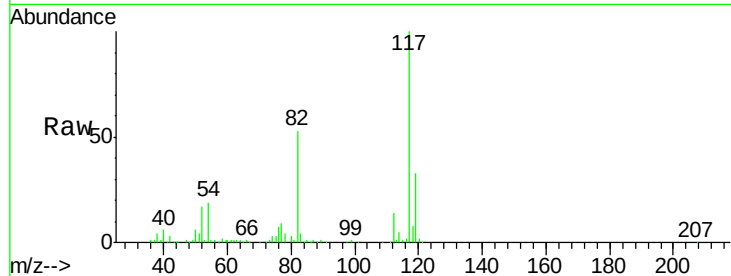
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	39.9	59.9
119	32.9	24.9	37.3

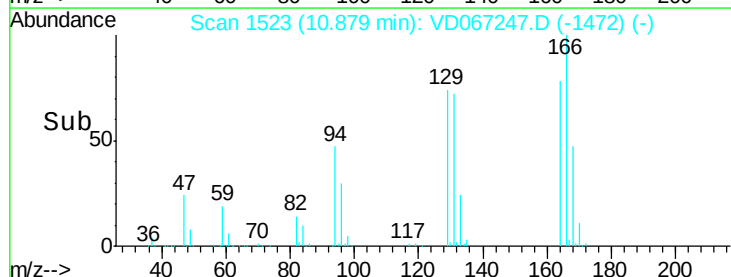
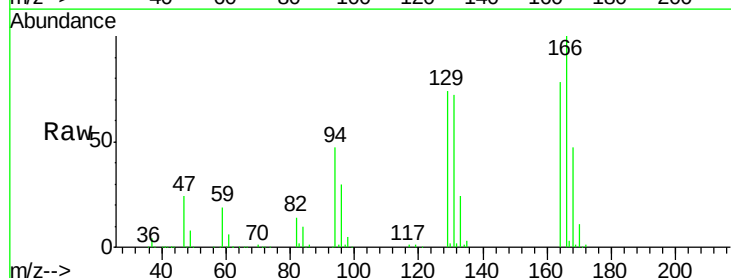
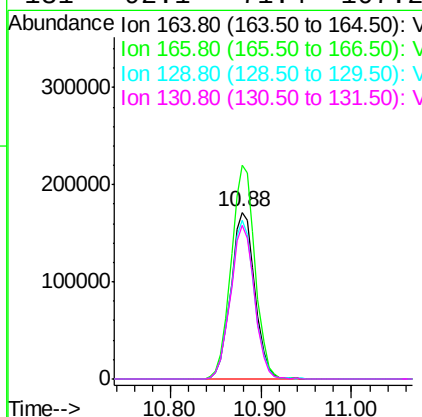
Manual Integrations
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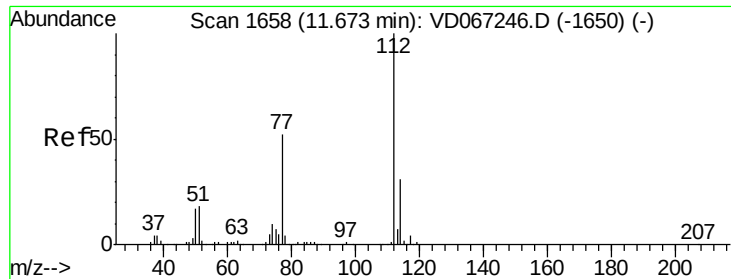
MMDadoda
10/14/2020 2:10:13 PM



#64
Tetrachloroethene
Concen: 86.305 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	107.3	160.9
129	95.2	77.3	115.9
131	92.1	71.4	107.2





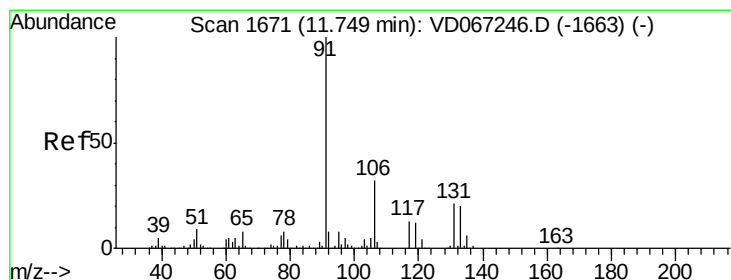
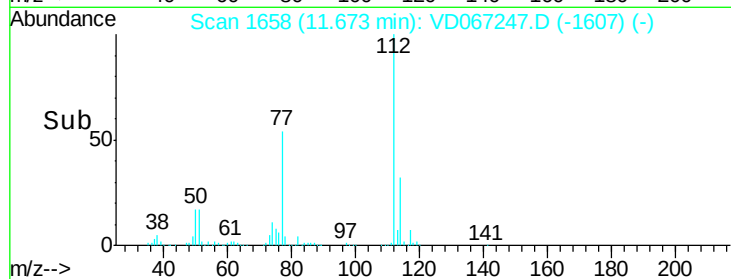
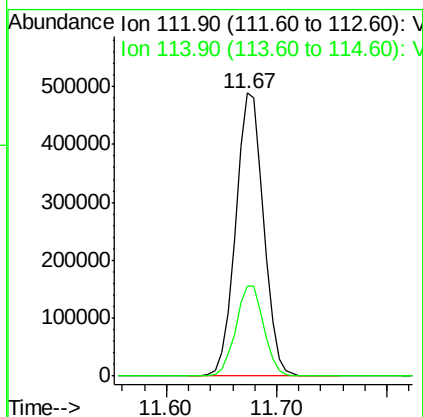
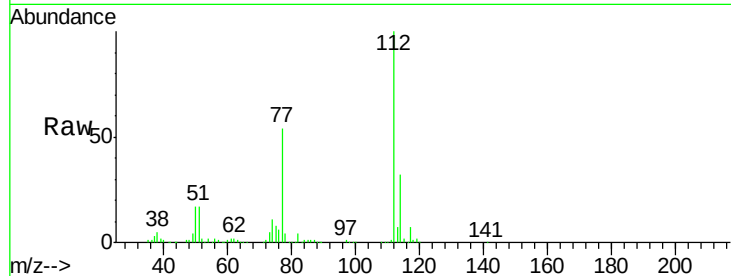
#65
Chlorobenzene
Concen: 90.343 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.4

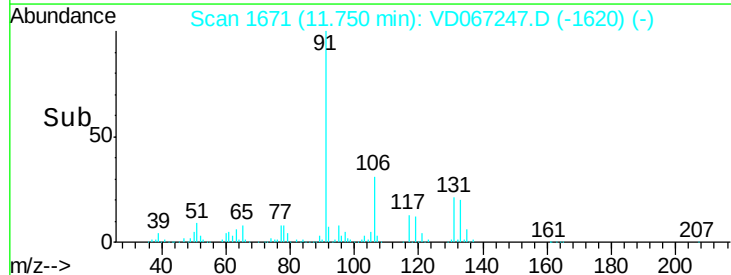
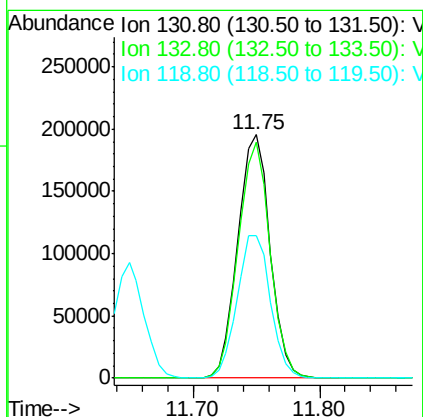
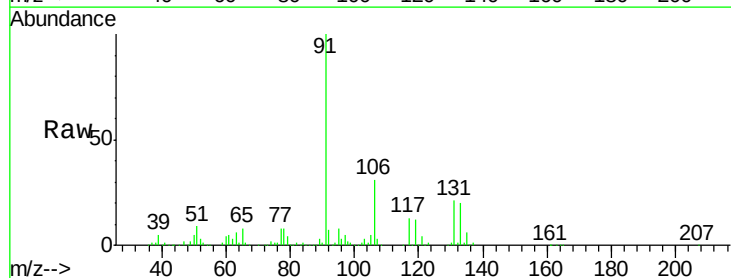
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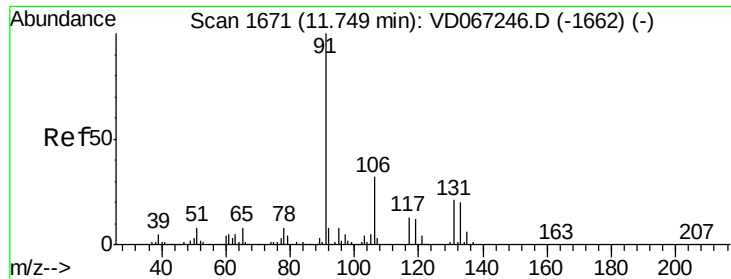
MMDadoda
10/14/2020 2:10:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 90.800 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.1	144.3
119	60.5	30.0	90.0





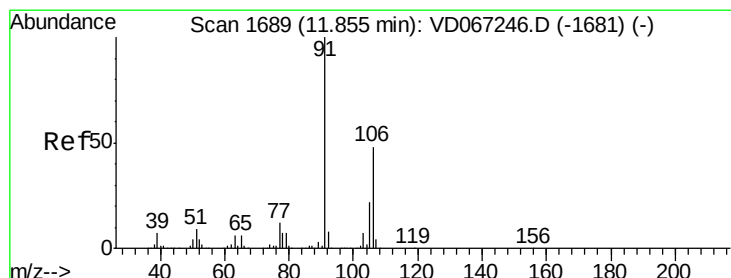
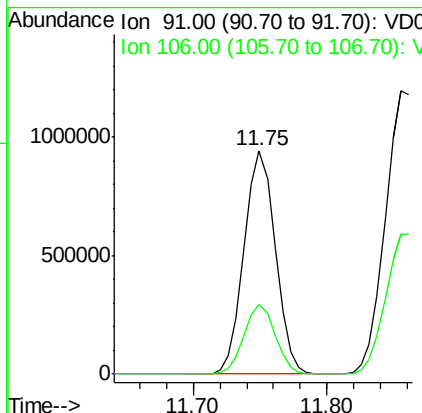
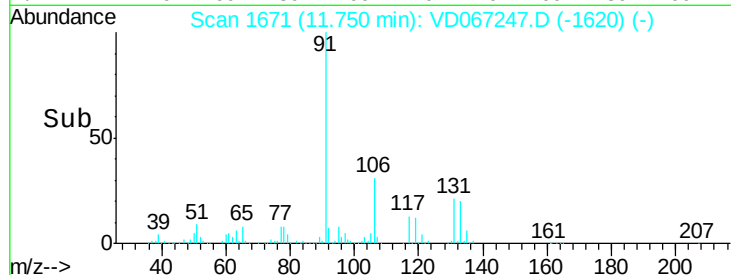
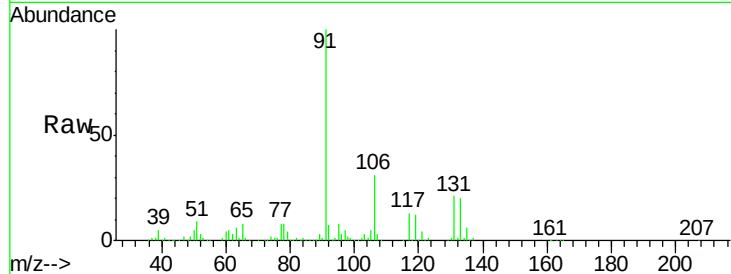
#67
Ethyl Benzene
Concen: 95.220 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1536198
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

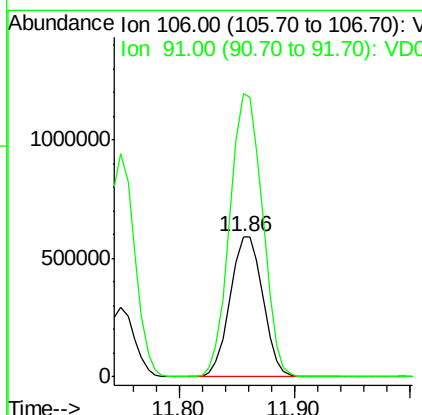
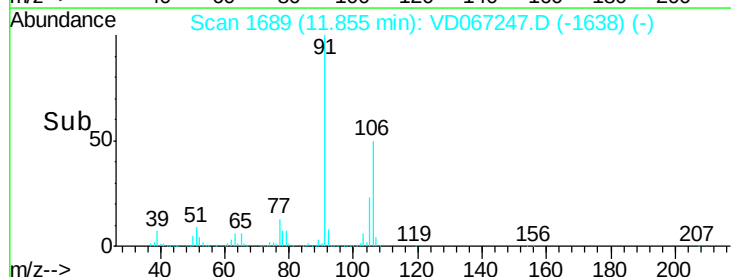
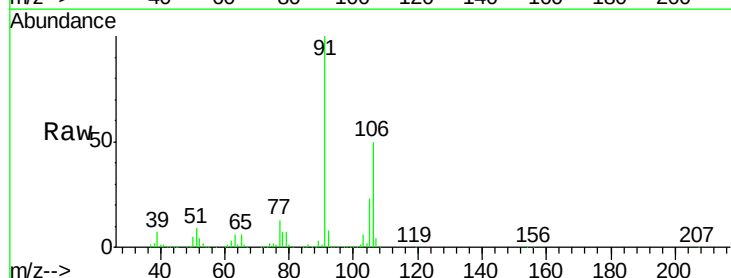
Manual Integrations
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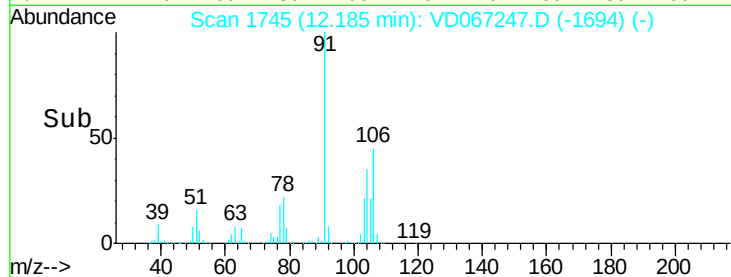
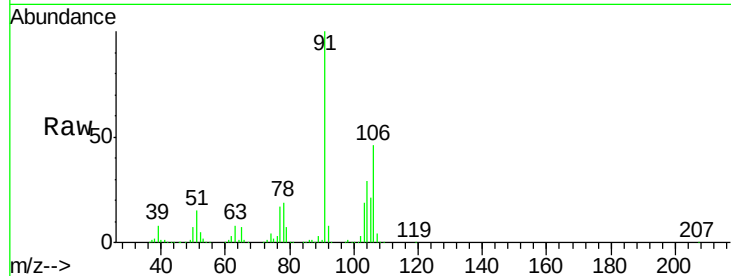
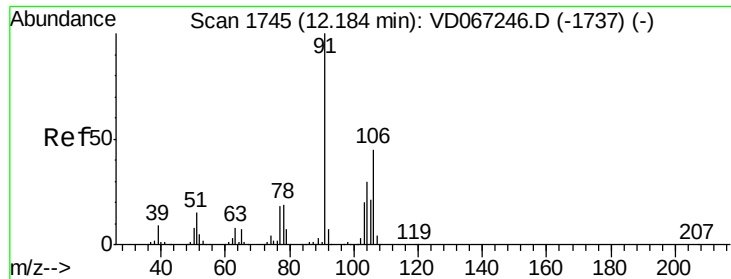
MMDadoda
10/14/2020 2:10:13 PM



#68
m/p-Xylenes
Concen: 185.732 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 106 Resp: 1164156
Ion Ratio Lower Upper
106 100
91 201.8 163.8 245.8





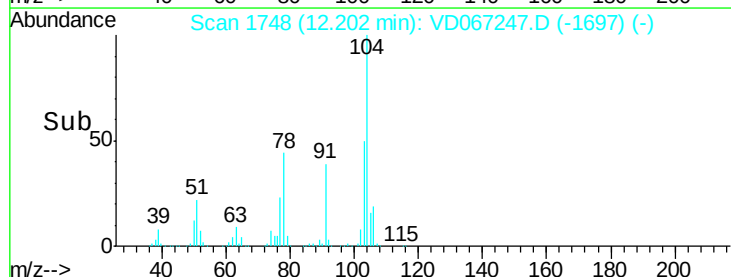
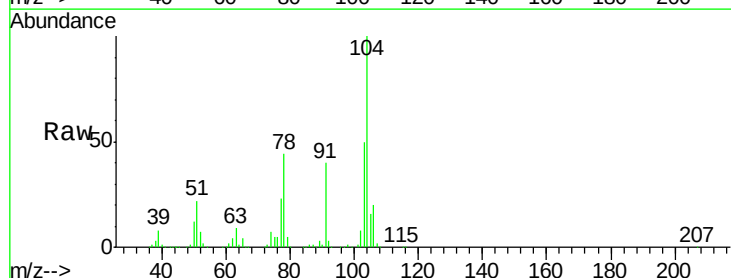
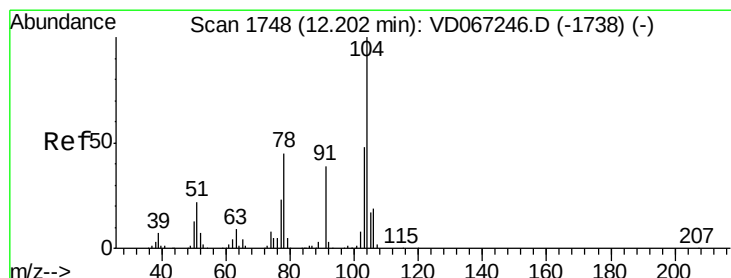
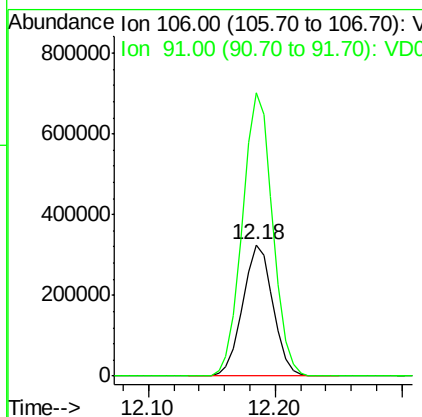
#69
o-Xylene
Concen: 92.867 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tot Ion	Ratio	Resp	Lower	Upper
106	100	538217		
91	214.9	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

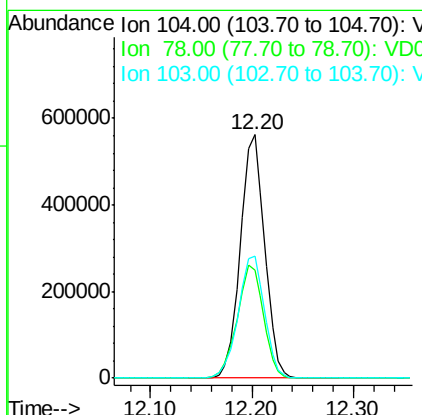
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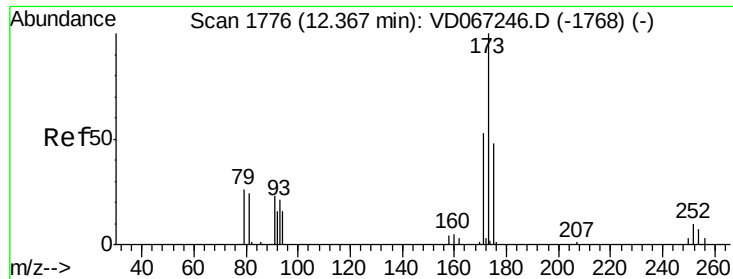
MMDadoda
10/14/2020 2:10:13 PM



#70
Styrene
Concen: 93.997 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	936078		
78	50.1	39.8	59.6	
103	54.2	42.6	64.0	





#71

Bromoform

Concen: 91.562 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

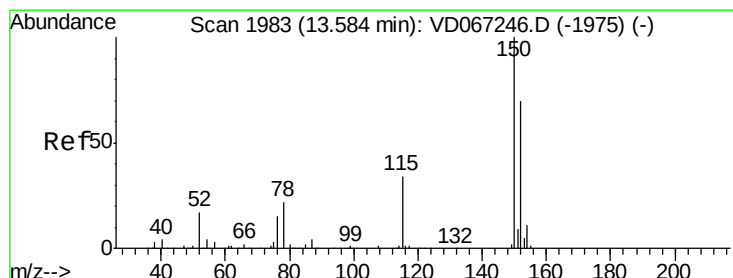
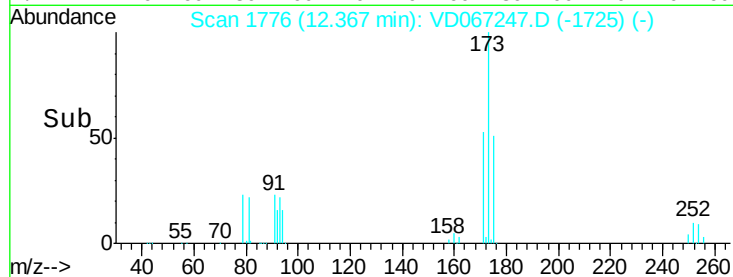
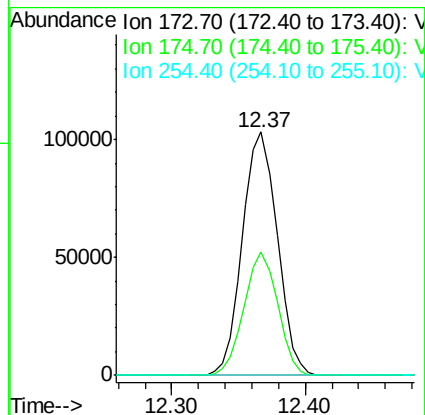
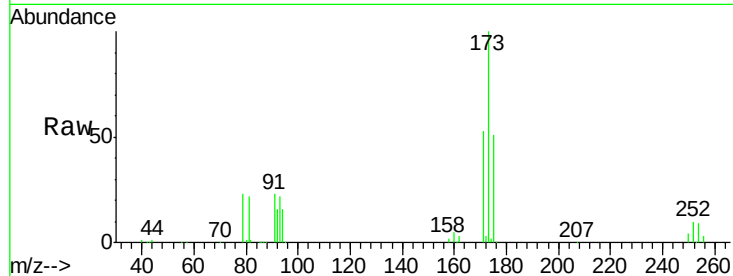
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1

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10/14/2020 2:10:13 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

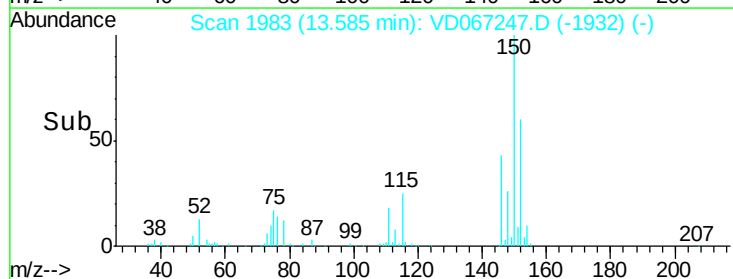
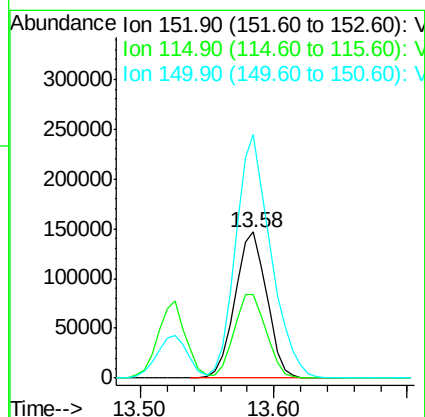
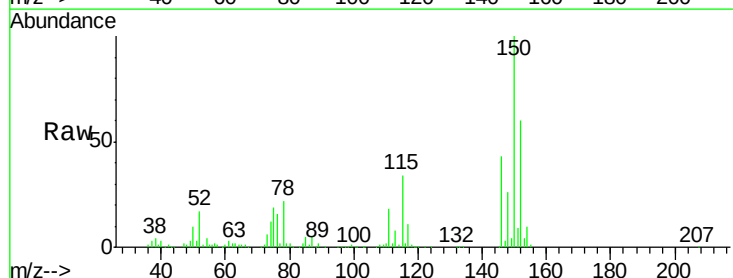
RT: 13.58 min Scan# 1983

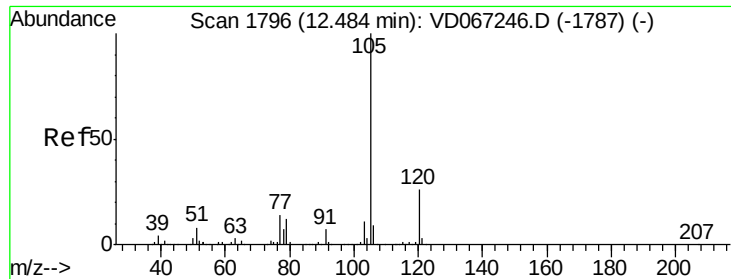
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	87.9
150	184.1	0.0	339.0





#73

Isopropylbenzene

Concen: 98.524 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 1518665

Ion Ratio Lower Upper

105 100

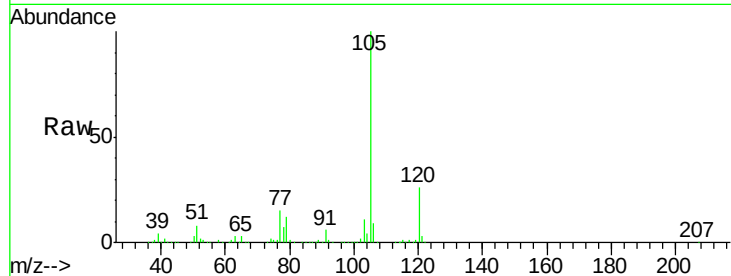
120 26.5 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

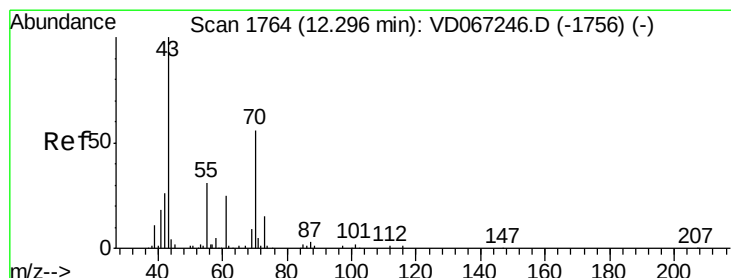
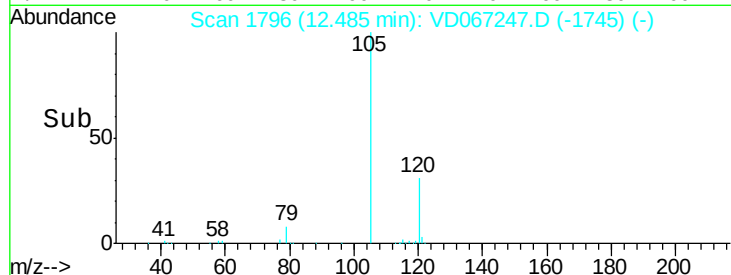
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 101.682 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion: 43 Resp: 233432

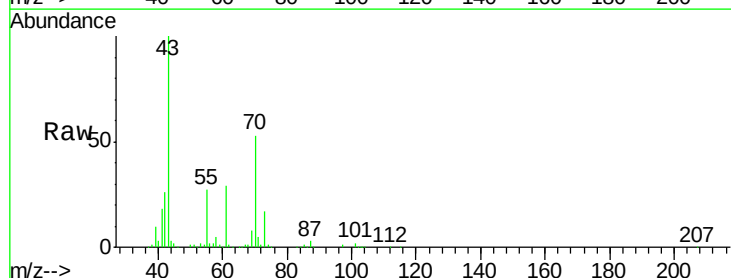
Ion Ratio Lower Upper

43 100

70 52.2 42.7 64.1

55 28.3 24.0 36.0

61 27.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

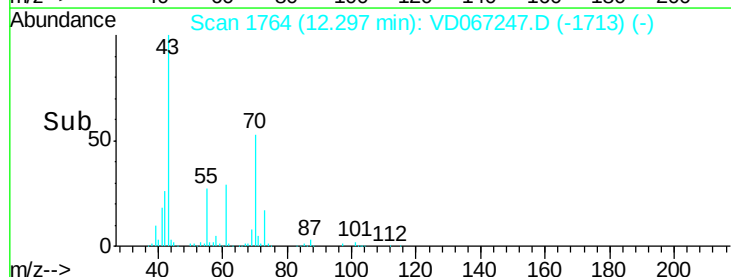
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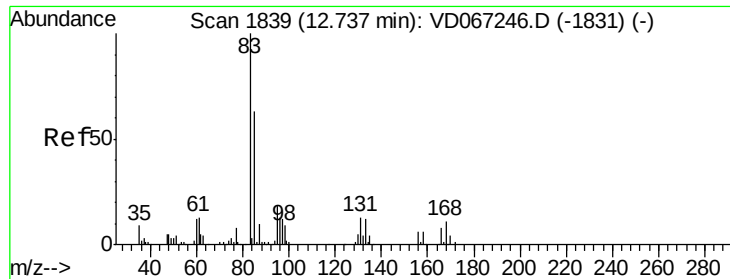
50000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 93.621 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

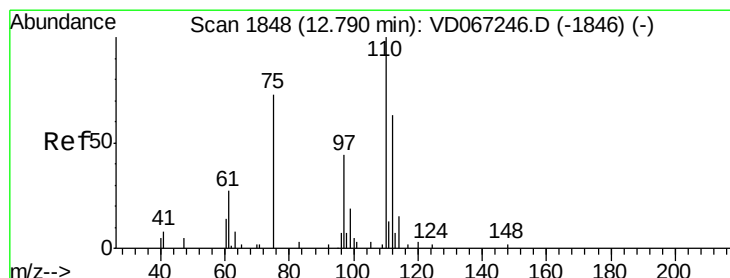
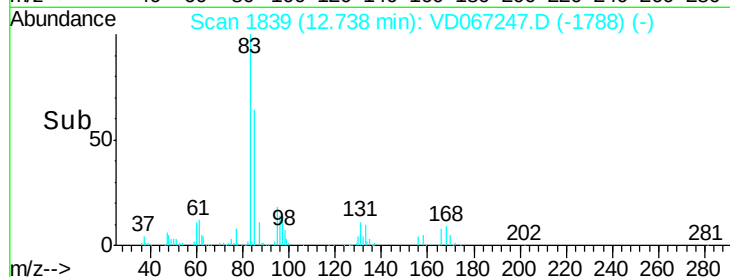
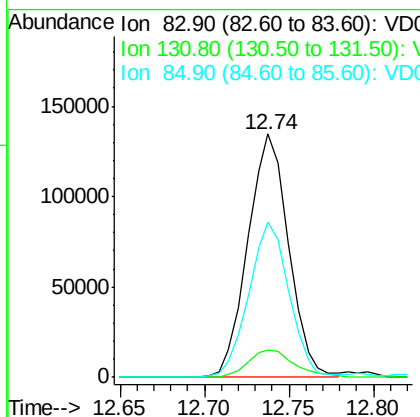
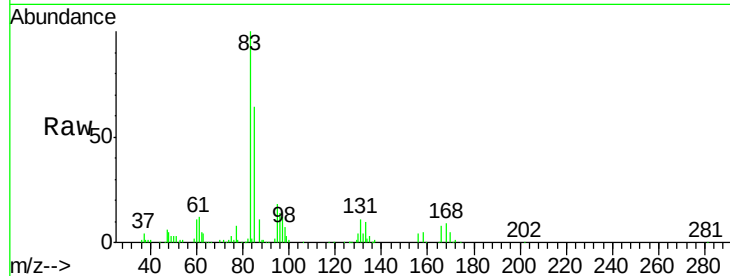
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	225600
Ion Ratio	Lower	Upper	
83	100		
131	12.8	6.5	19.5
85	63.0	32.6	97.7

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10/14/2020 2:10:13 PM



#76

1,2,3-Trichloropropane

Concen: 84.914 ug/l m

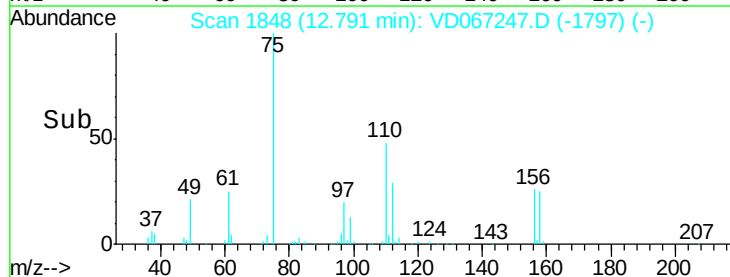
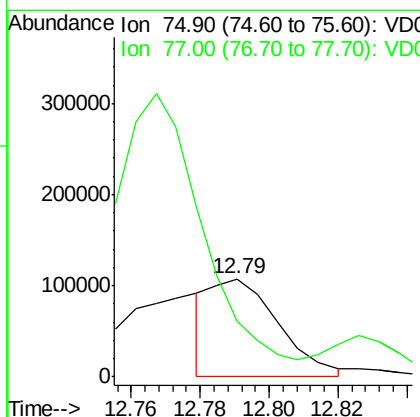
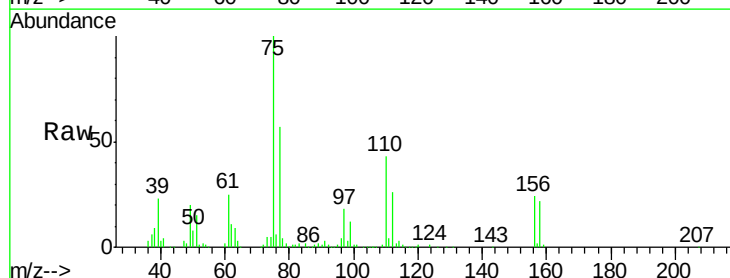
RT: 12.79 min Scan# 1848

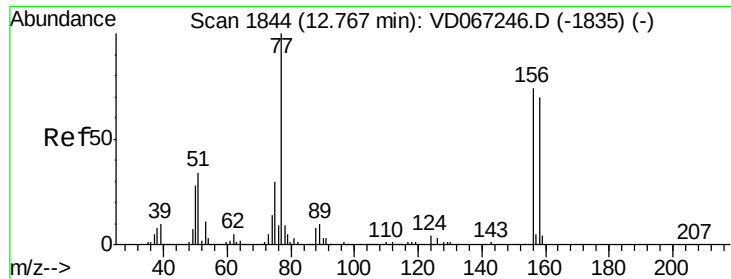
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	75	Resp:	146385
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 92.204 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

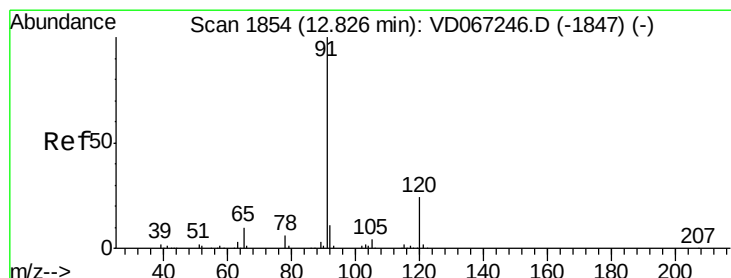
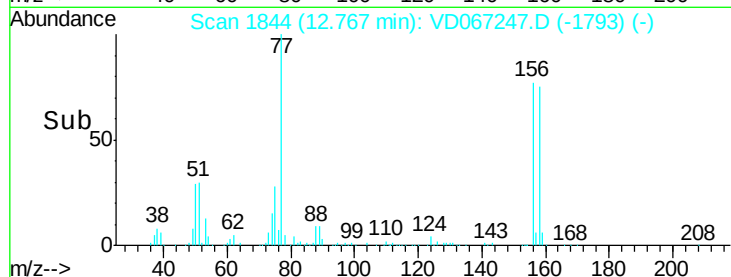
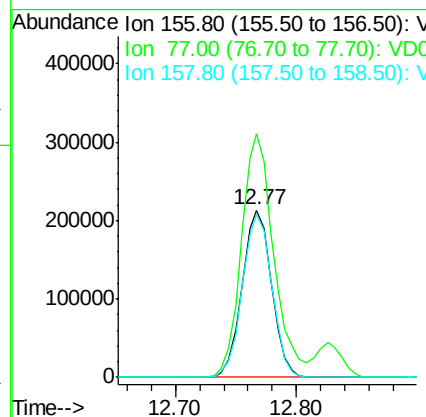
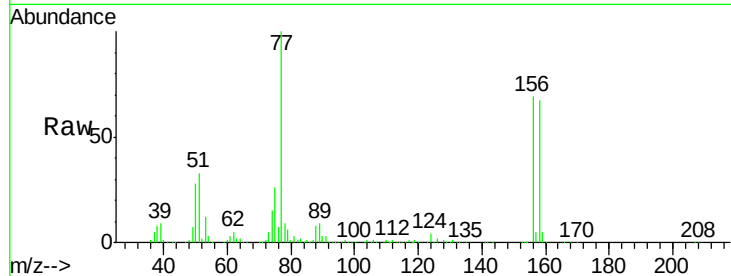
ClientSampleId :

VSTDICC100

Tot Ion:	156	Resp:	361757
Ion Ratio	Lower	Upper	
156	100		
77	159.9	78.0	233.8
158	98.0	49.1	147.3

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#78

n-propylbenzene

Concen: 93.724 ug/l

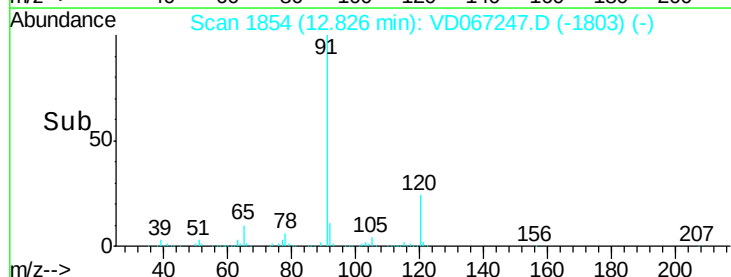
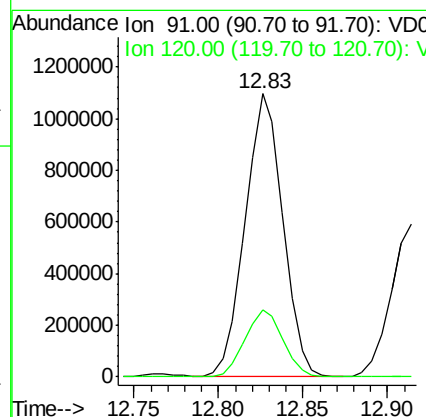
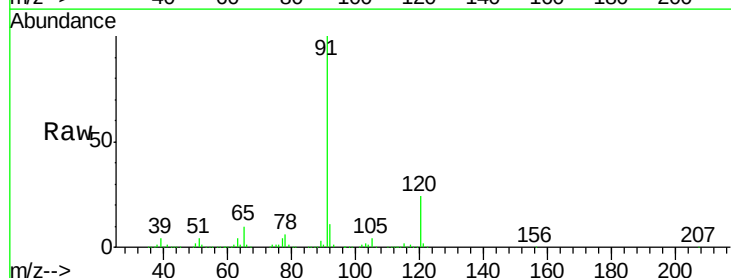
RT: 12.83 min Scan# 1854

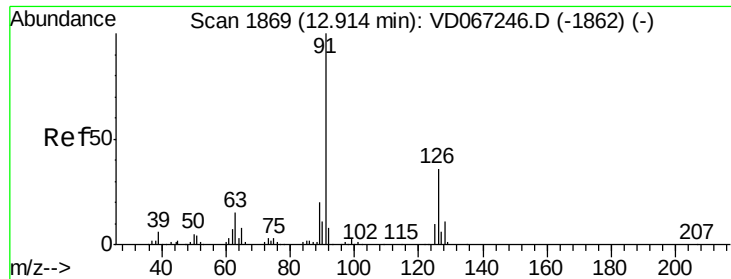
Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion:	91	Resp:	1699021
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





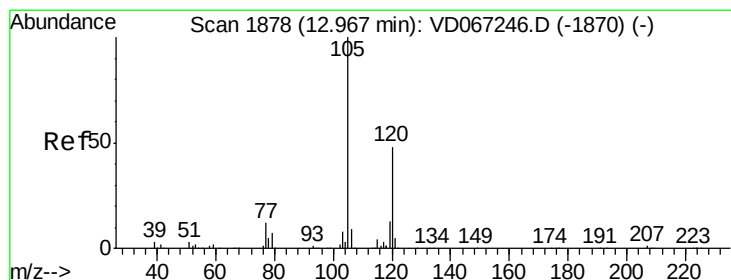
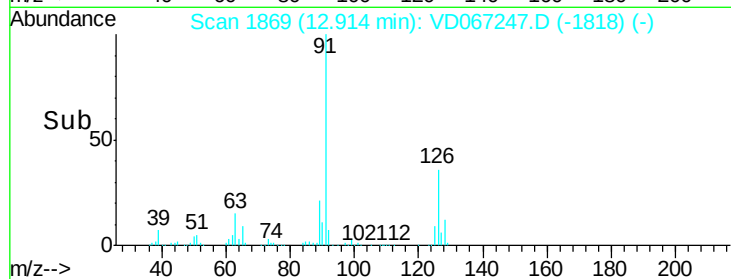
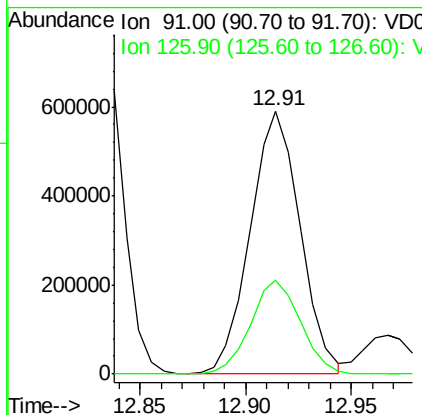
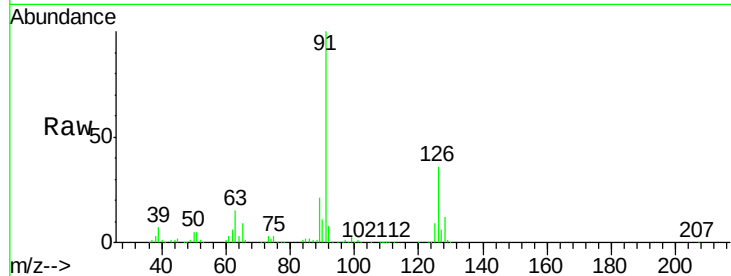
#79
 2-Chlorotoluene
 Concen: 91.639 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 968425
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.6 52.8

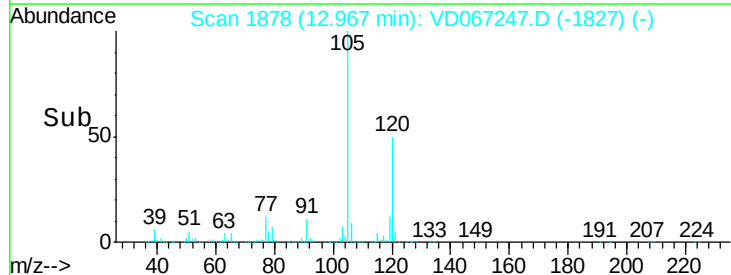
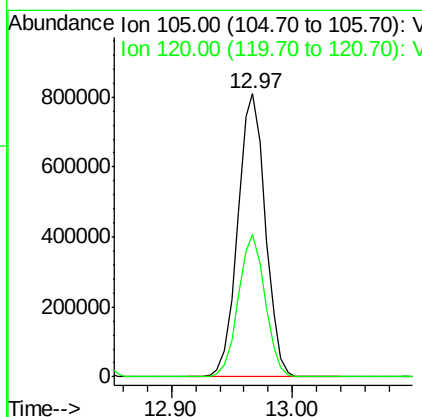
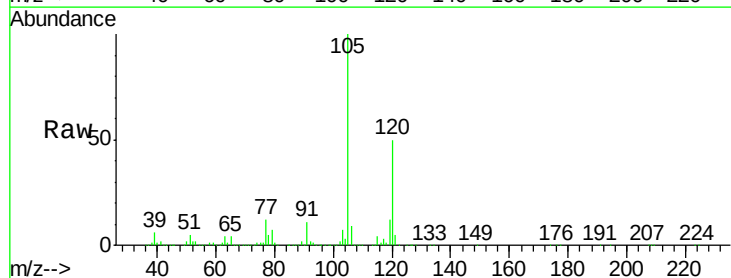
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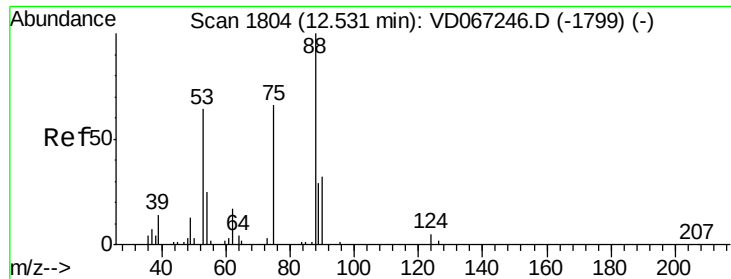
MMDadoda
 10/14/2020 2:10:13 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 94.859 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 105 Resp: 1286606
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8





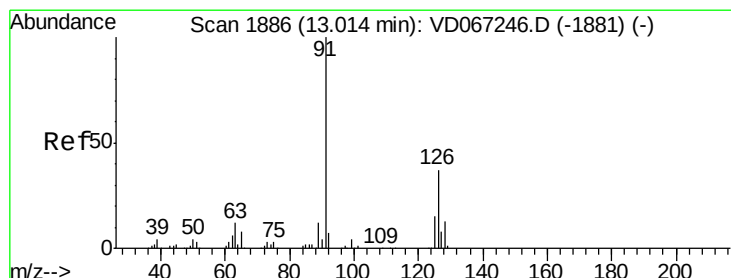
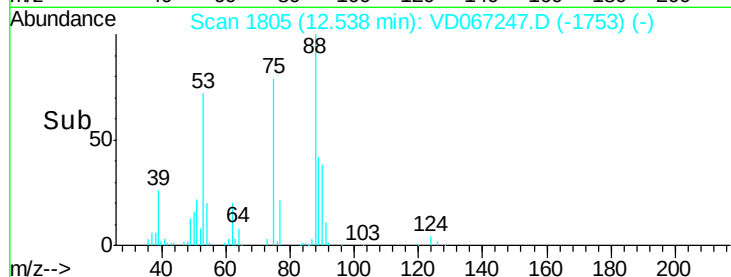
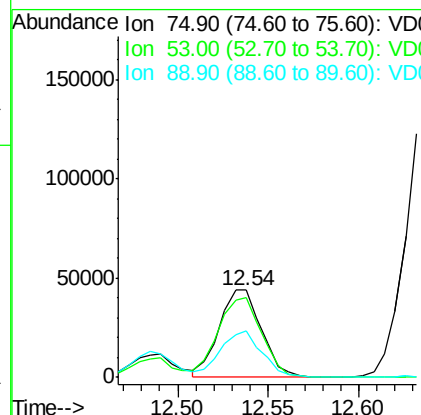
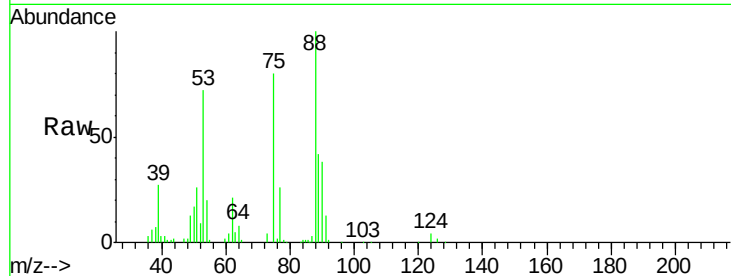
#81
trans-1,4-Dichloro-2-butene
Concen: 96.798 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	78.5	117.7
89	52.2	39.9	59.9

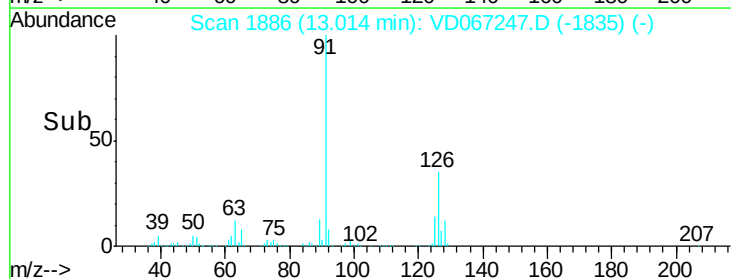
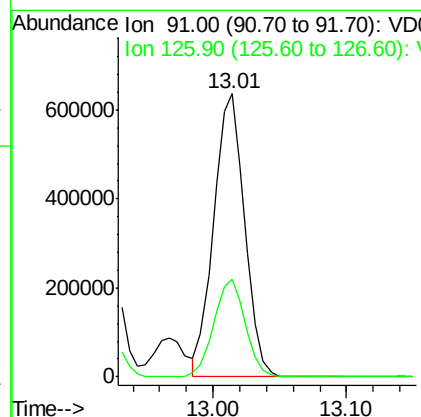
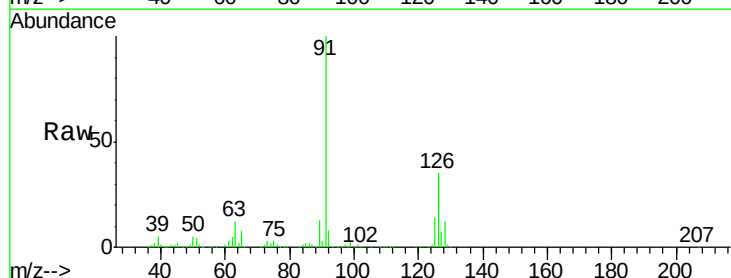
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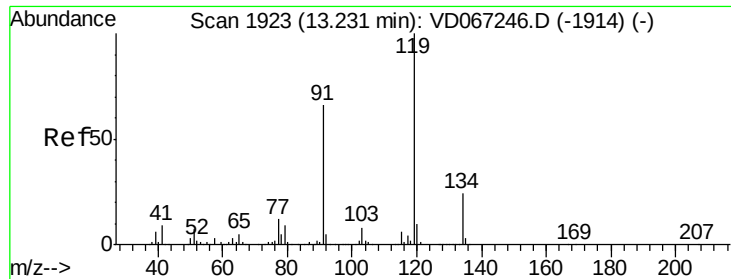
MMDadoda
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#82
4-Chlorotoluene
Concen: 91.280 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5





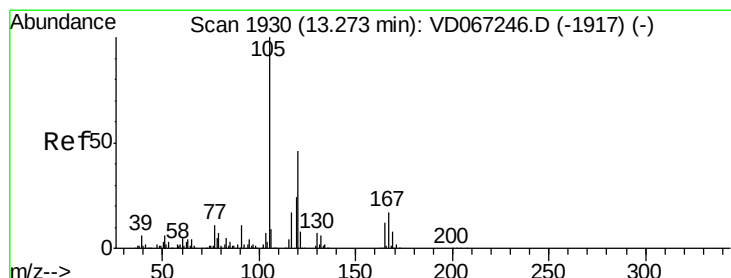
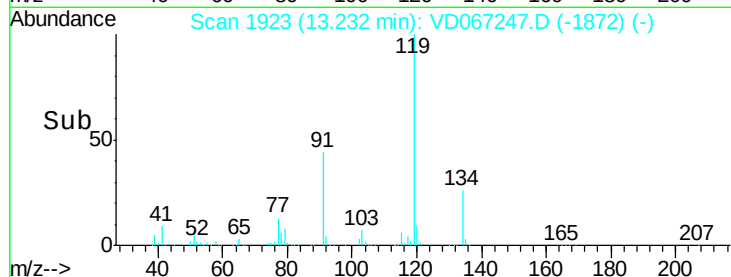
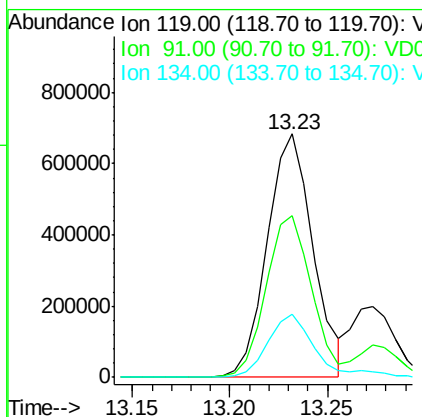
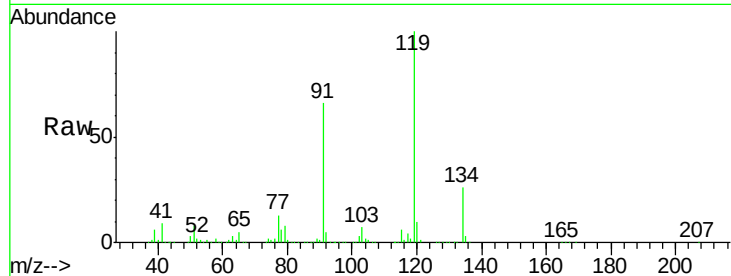
#83
tert-Butylbenzene
Concen: 97.929 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1108916
Ion Ratio Lower Upper
119 100
91 65.9 33.1 99.2
134 27.1 13.3 39.9

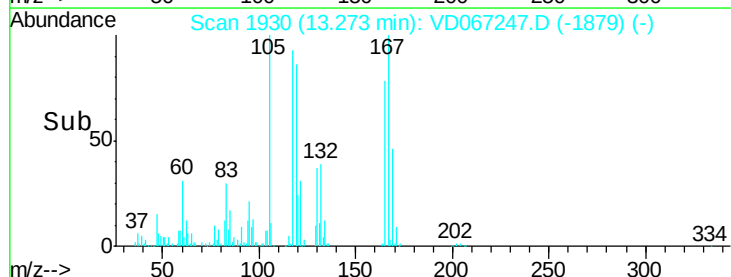
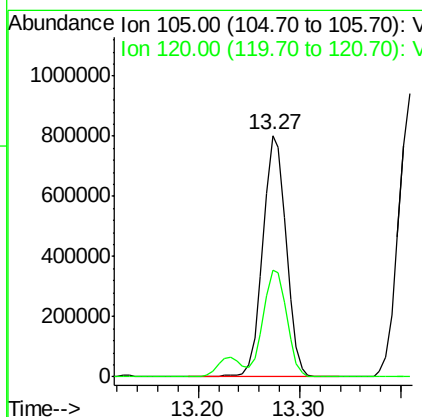
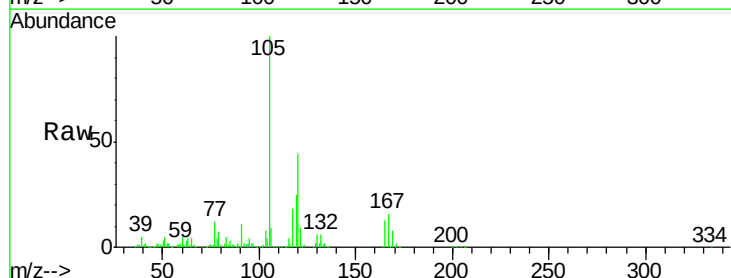
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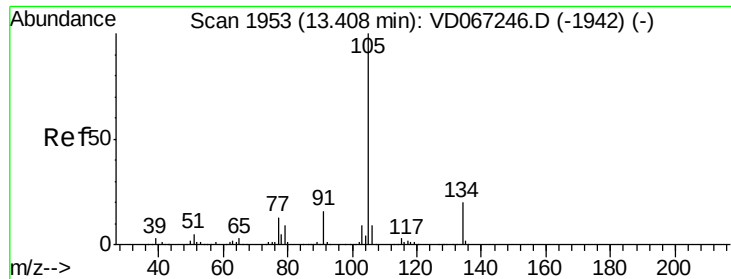
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#84
1,2,4-Trimethylbenzene
Concen: 96.129 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion:105 Resp: 1282963
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.3





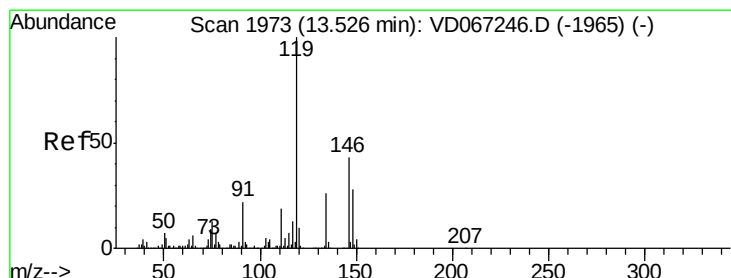
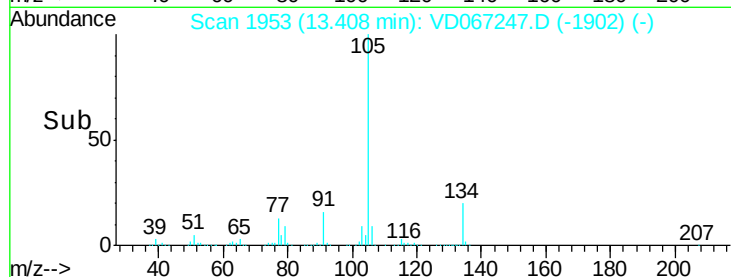
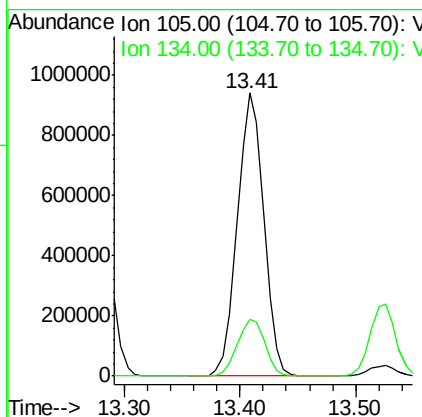
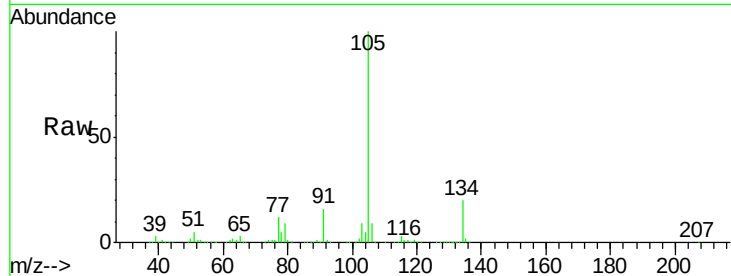
#85
 sec-Butylbenzene
 Concen: 94.699 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1487132
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5

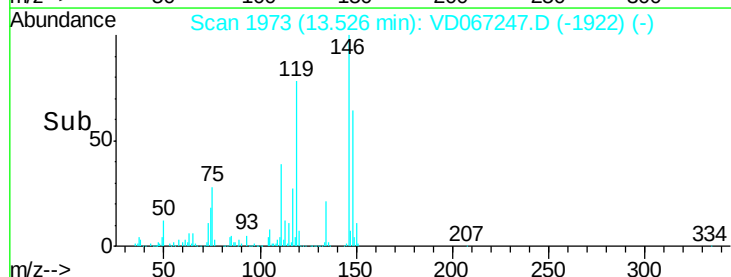
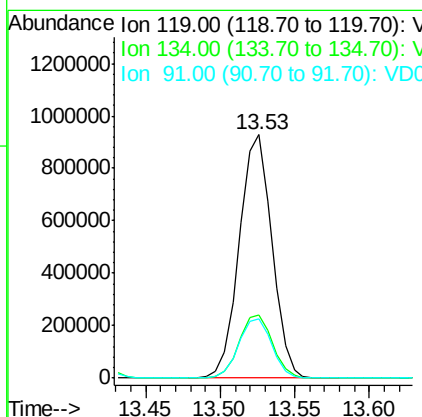
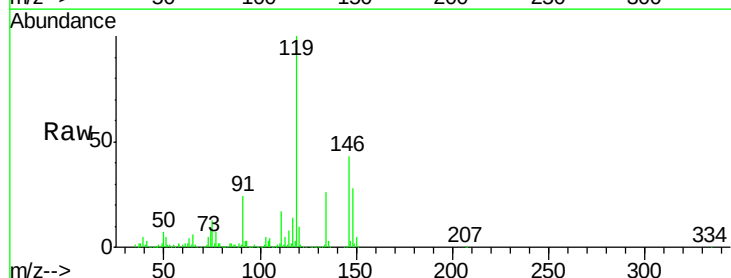
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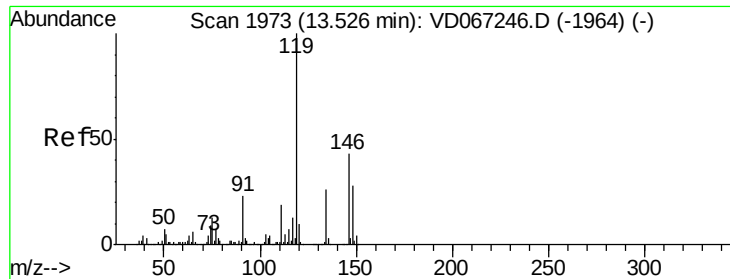
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#86
 p-Isopropyltoluene
 Concen: 94.890 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion:119 Resp: 1408387
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 24.7 11.9 35.9





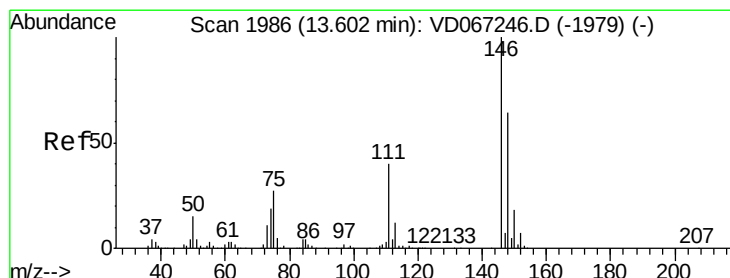
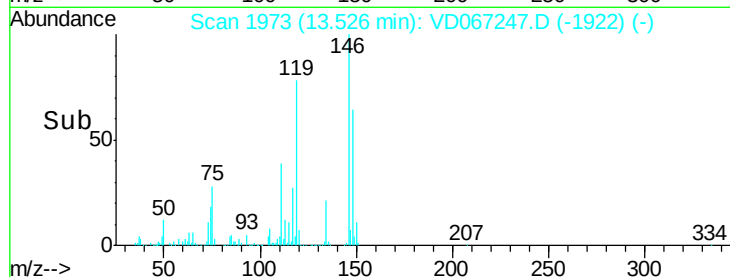
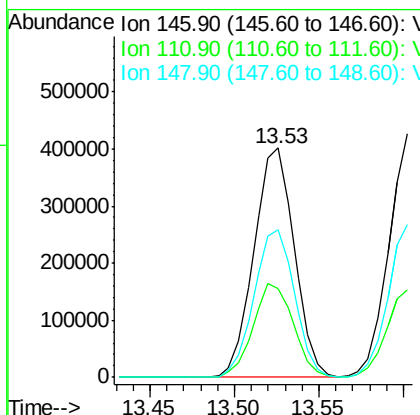
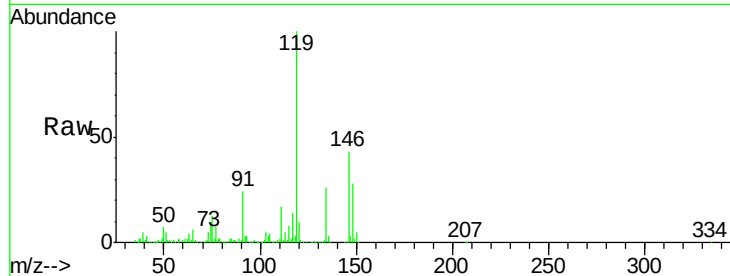
#87
 1,3-Dichlorobenzene
 Concen: 87.081 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	64.4	31.9	95.9

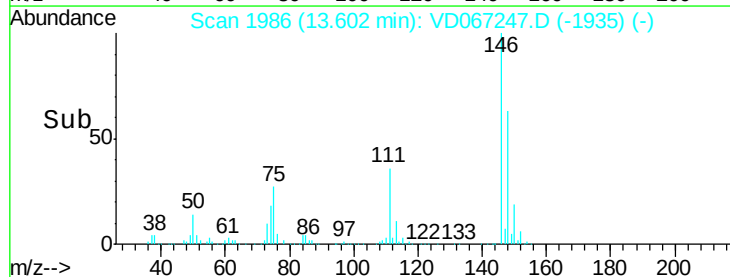
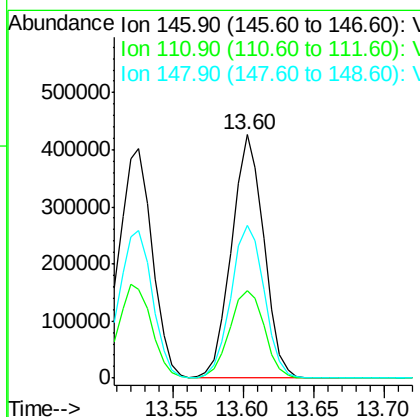
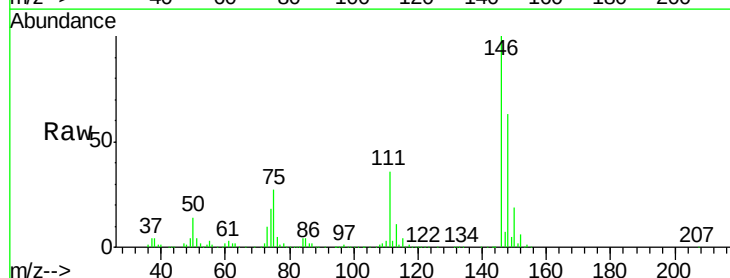
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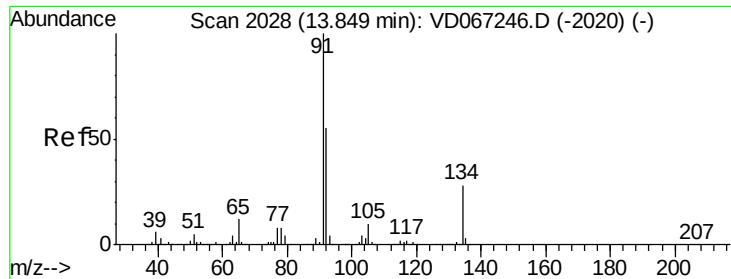
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#88
 1,4-Dichlorobenzene
 Concen: 90.292 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.7
148	64.6	31.9	95.9





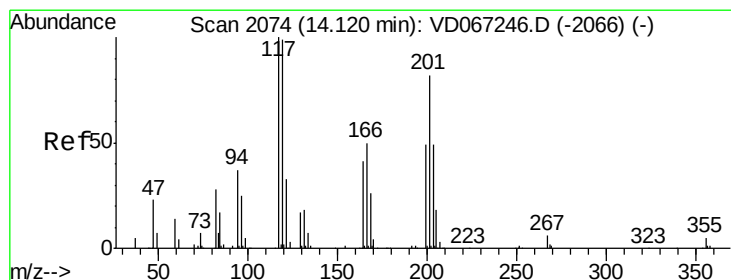
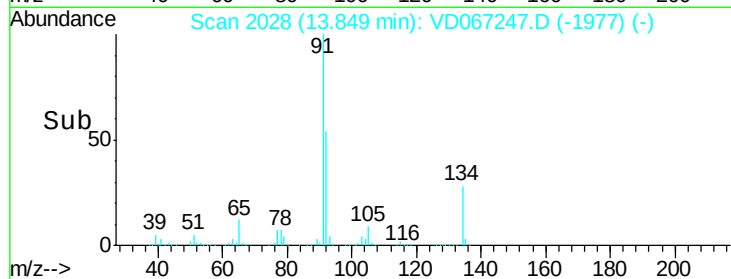
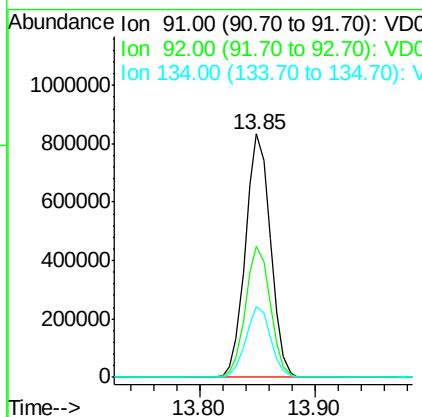
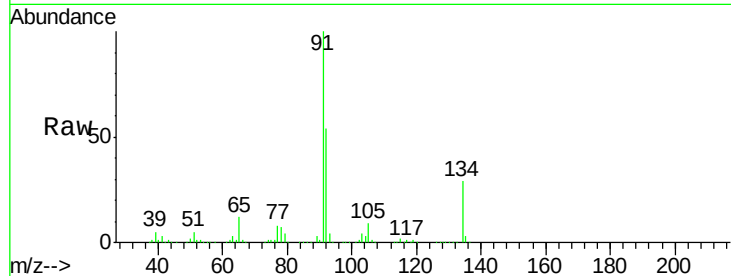
#89
n-Butylbenzene
Concen: 96.927 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1255222
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 28.7 14.2 42.6

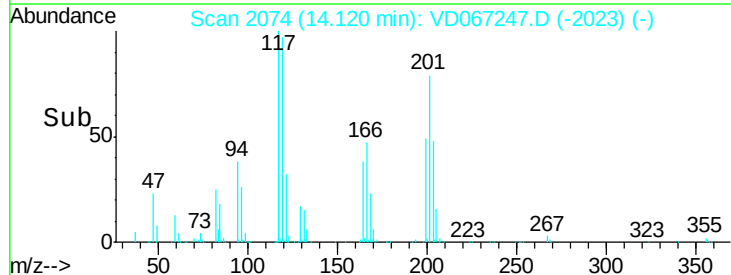
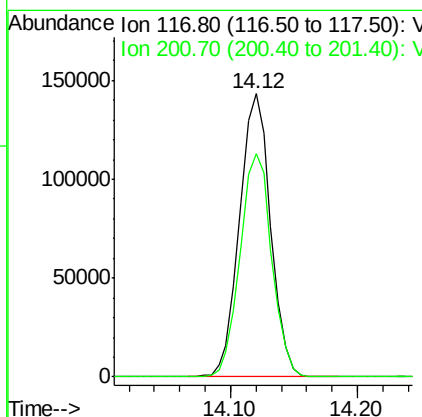
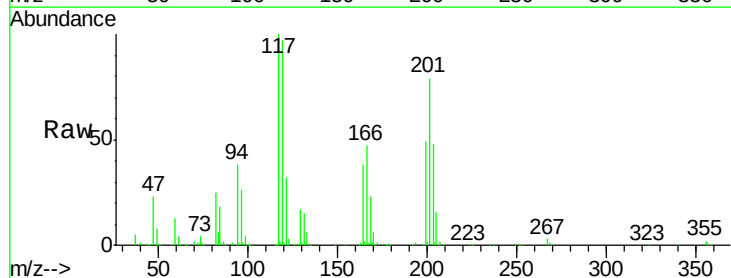
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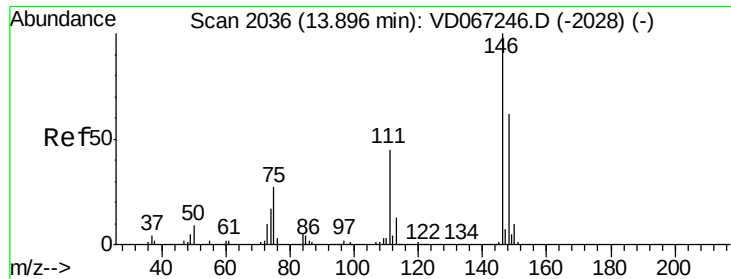
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#90
Hexachloroethane
Concen: 94.388 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 117 Resp: 243053
Ion Ratio Lower Upper
117 100
201 80.3 40.8 122.2





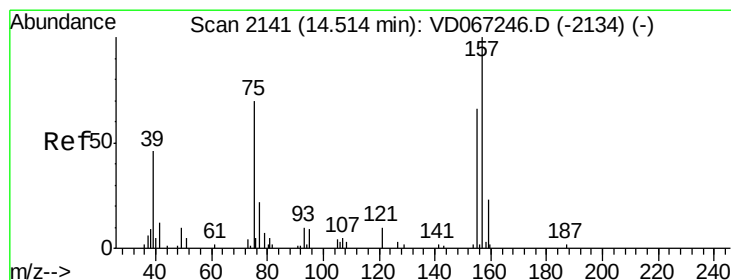
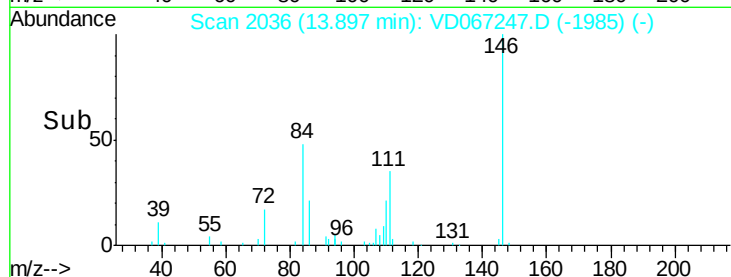
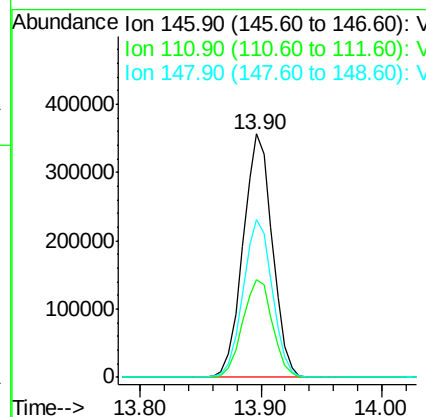
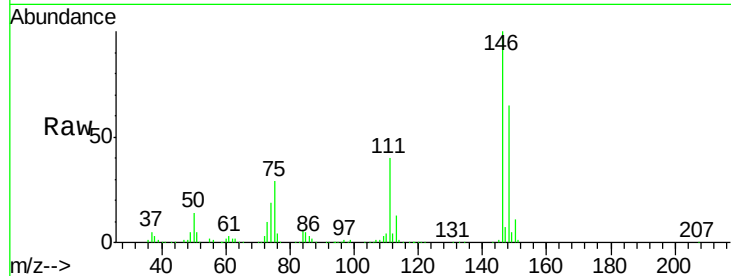
#91
1,2-Dichlorobenzene
Concen: 90.495 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.0	66.0
148	64.7	32.5	97.5

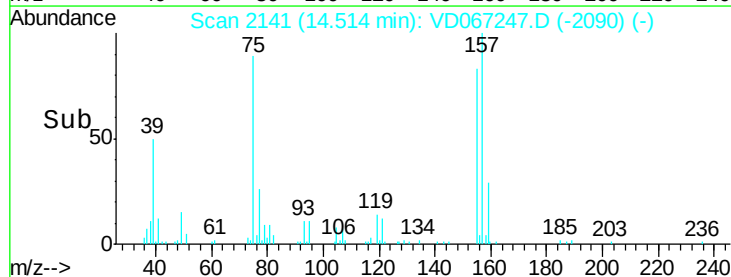
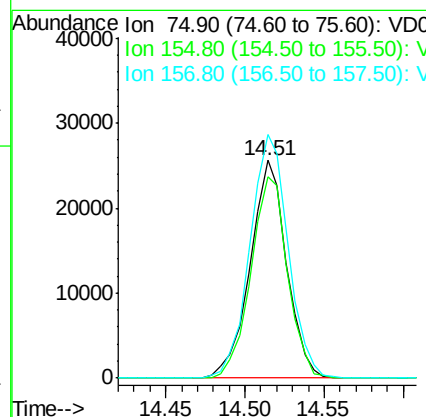
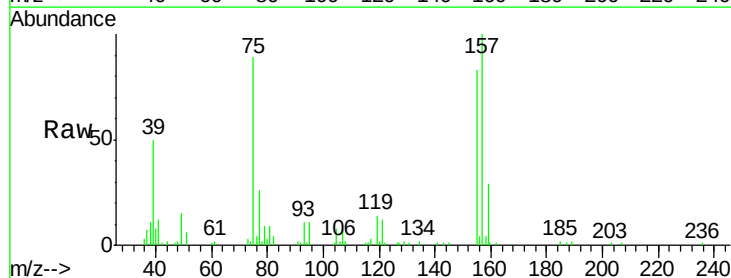
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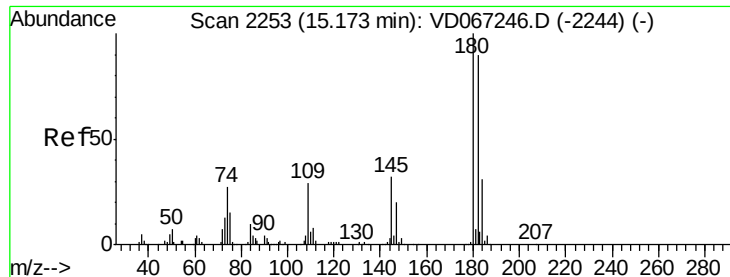
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 94.391 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	44.8	134.4
157	117.2	62.5	187.4





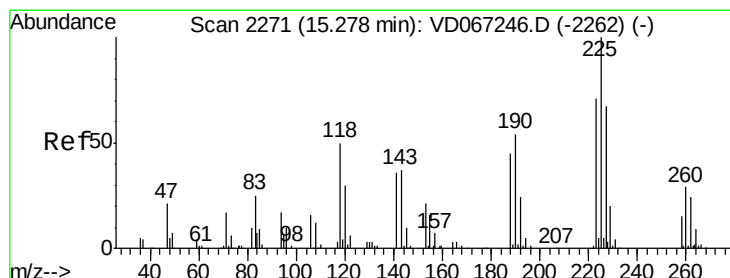
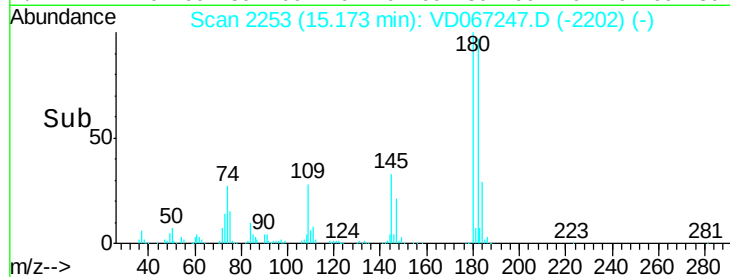
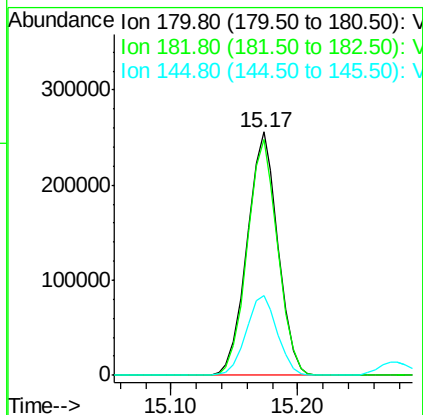
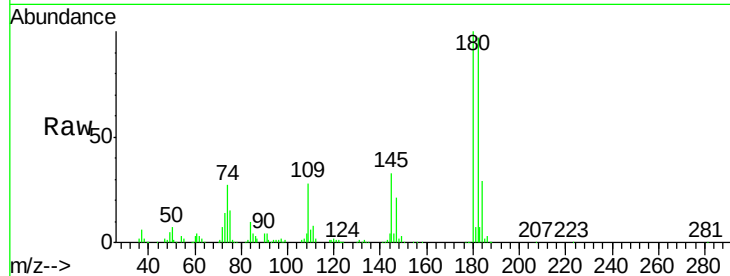
#93
 1,2,4-Trichlorobenzene
 Concen: 99.714 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	431166		
182	95.9	48.1	144.4	
145	33.1	16.3	48.9	

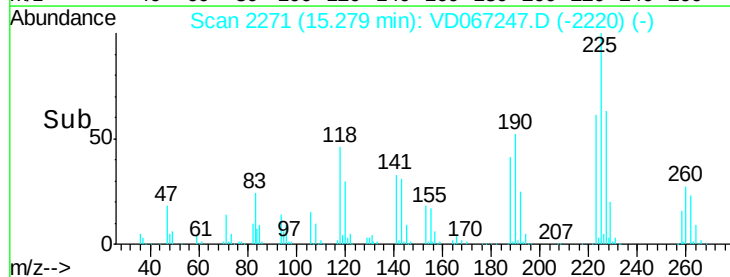
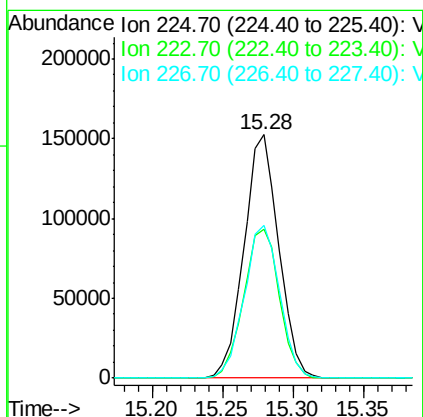
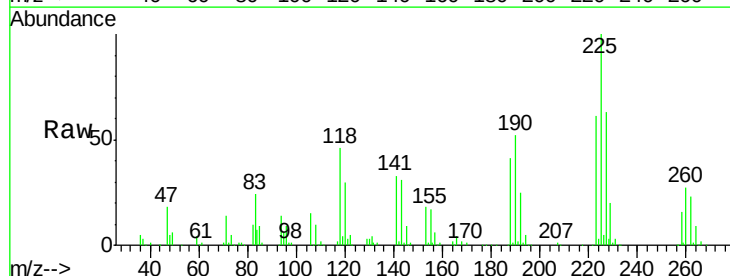
Manual Integrations
 APPROVED

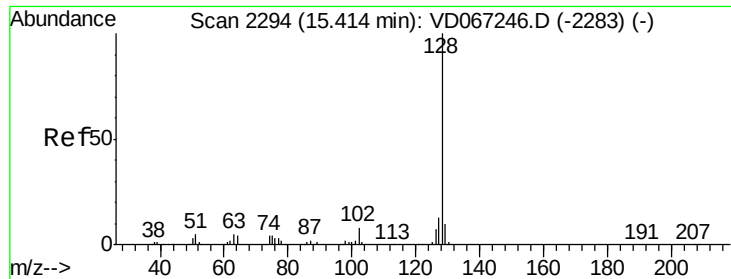
MMDadoda
 10/14/2020 2:10:13 PM



#94
 Hexachlorobutadiene
 Concen: 96.680 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262394		
223	63.2	31.9	95.7	
227	64.0	31.2	93.6	





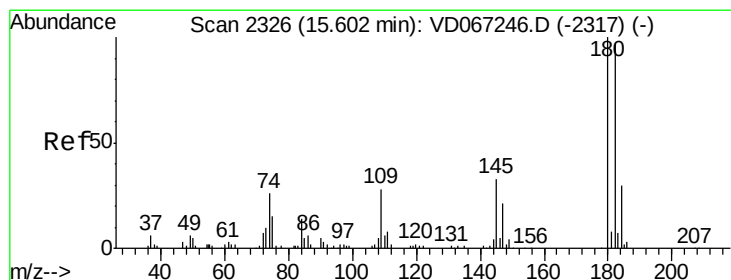
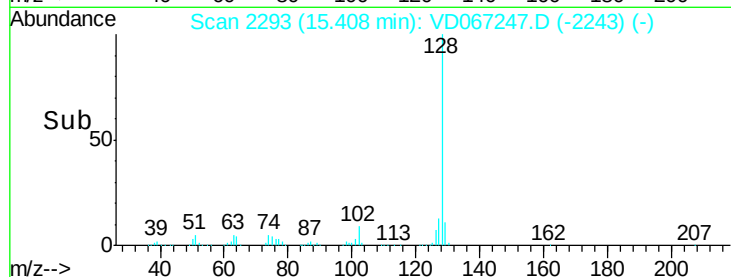
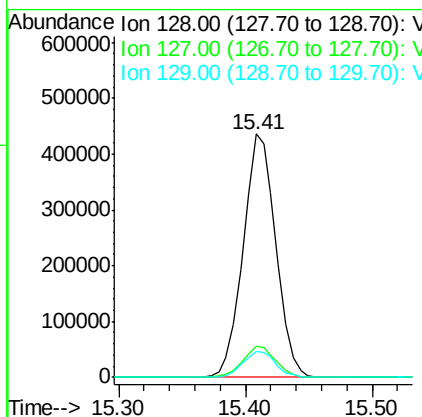
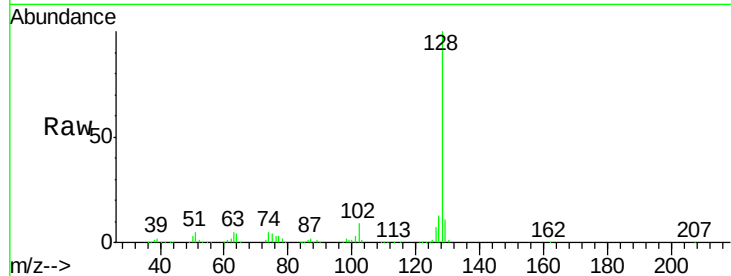
#95
Naphthalene
Concen: 114.506 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 102.042 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	34.5	17.3	51.9

