

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067035.D
 Acq On : 02 Oct 2020 15:03
 Operator : VA/SY
 Sample : L4213-03MSD
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Quant Time: Oct 03 04:48:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	502120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193705	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	185516	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.91	113	207614	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	741664	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.63	95	209799	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	173653	54.791	ug/l	97
3) Chloromethane	2.21	50	146059	46.182	ug/l	99
4) Vinyl Chloride	2.35	62	152187	47.990	ug/l	99
5) Bromomethane	2.77	94	115898	57.334	ug/l	99
6) Chloroethane	2.93	64	93449	48.387	ug/l	98
7) Trichlorofluoromethane	3.27	101	344503	48.896	ug/l	98
8) Diethyl Ether	3.71	74	83703	47.907	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	195472	49.085	ug/l	98
10) Methyl Iodide	4.30	142	212099	54.814	ug/l	99
11) Tert butyl alcohol	5.22	59	40553	164.224	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	181037	48.358	ug/l	96
13) Acrolein	3.93	56	48937	191.061	ug/l	99
14) Allyl chloride	4.71	41	244068	50.185	ug/l	99
15) Acrylonitrile	5.43	53	147381	229.194	ug/l	98
16) Acetone	4.16	43	140930	241.353	ug/l	97
17) Carbon Disulfide	4.41	76	494520	43.043	ug/l	98
18) Methyl Acetate	4.73	43	87614	59.700	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	344145	50.357	ug/l	95
20) Methylene Chloride	4.97	84	216851	52.731	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	199635	46.858	ug/l	98
22) Diisopropyl ether	6.36	45	464571	52.324	ug/l	98
23) Vinyl Acetate	6.31	43	1060814	210.844	ug/l	98
24) 1,1-Dichloroethane	6.27	63	350170	51.104	ug/l	96
25) 2-Butanone	7.21	43	178515	215.635	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311032	53.361	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	221482	48.676	ug/l	99
28) Bromochloromethane	7.55	49	133669	50.513	ug/l	99
29) Tetrahydrofuran	7.57	42	109515	230.068	ug/l	97
30) Chloroform	7.71	83	372123	50.063	ug/l	98
31) Cyclohexane	7.98	56	248540	43.265	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	346694	50.327	ug/l	99
36) 1,1-Dichloropropene	8.11	75	265521	46.786	ug/l	99
37) Ethyl Acetate	7.29	43	83783	42.615	ug/l	98
38) Carbon Tetrachloride	8.10	117	315166	51.326	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	239030	39.838	ug/l	94
40) Benzene	8.35	78	802889	50.935	ug/l	98
41) Methacrylonitrile	7.51	41	36863	34.706	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	214448	48.686	ug/l	99
43) Isopropyl Acetate	8.45	43	161953	44.715	ug/l	99
44) Trichloroethene	9.11	130	224997	47.800	ug/l	99
45) 1,2-Dichloropropane	9.38	63	193297	52.190	ug/l	96
46) Dibromomethane	9.47	93	101530	47.695	ug/l	99
47) Bromodichloromethane	9.66	83	283286	51.195	ug/l	92
48) Methyl methacrylate	9.46	41	83690	45.103	ug/l #	84
49) 1,4-Dioxane	9.46	88	20283	912.945	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	425740	235.992	ug/l	98
52) Toluene	10.40	92	519942	51.205	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	226582	45.816	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	292065	48.363	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	142990	48.314	ug/l	95
56) Ethyl methacrylate	10.66	69	152817	50.012	ug/l	96
57) 1,3-Dichloropropane	10.94	76	235234	49.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	437493	257.245	ug/l	99
59) 2-Hexanone	10.98	43	284510	236.285	ug/l	98
60) Dibromochloromethane	11.14	129	192947	48.914	ug/l	97
61) 1,2-Dibromoethane	11.24	107	133611	46.991	ug/l	98
64) Tetrachloroethene	10.87	164	196749	53.898	ug/l	96
65) Chlorobenzene	11.67	112	507736	50.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	212953	56.059	ug/l	99
67) Ethyl Benzene	11.74	91	905612	52.926	ug/l	99
68) m/p-Xylenes	11.86	106	697224	104.557	ug/l	99
69) o-Xylene	12.18	106	324359	54.393	ug/l	95
70) Styrene	12.20	104	522678	51.044	ug/l	99
71) Bromoform	12.36	173	104226	52.857	ug/l #	96
73) Isopropylbenzene	12.48	105	835168	63.497	ug/l	99
74) N-amyl acetate	12.29	43	137963	58.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	135639	61.207	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	172591	102.292	ug/l #	100
77) Bromobenzene	12.76	156	192724	60.683	ug/l	98
78) n-propylbenzene	12.83	91	894835	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	534540	60.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	687915	61.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40572	59.951	ug/l	98
82) 4-Chlorotoluene	13.01	91	525340	55.519	ug/l	100
83) tert-Butylbenzene	13.23	119	552650	59.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	673685	60.747	ug/l	100
85) sec-Butylbenzene	13.41	105	687966	52.205	ug/l	100
86) p-Isopropyltoluene	13.52	119	639224	52.320	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	314830	50.893	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	307937	49.784	ug/l	99
89) n-Butylbenzene	13.85	91	462664	41.435	ug/l	98
90) Hexachloroethane	14.11	117	120104	56.120	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	286137	52.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21007	58.806	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

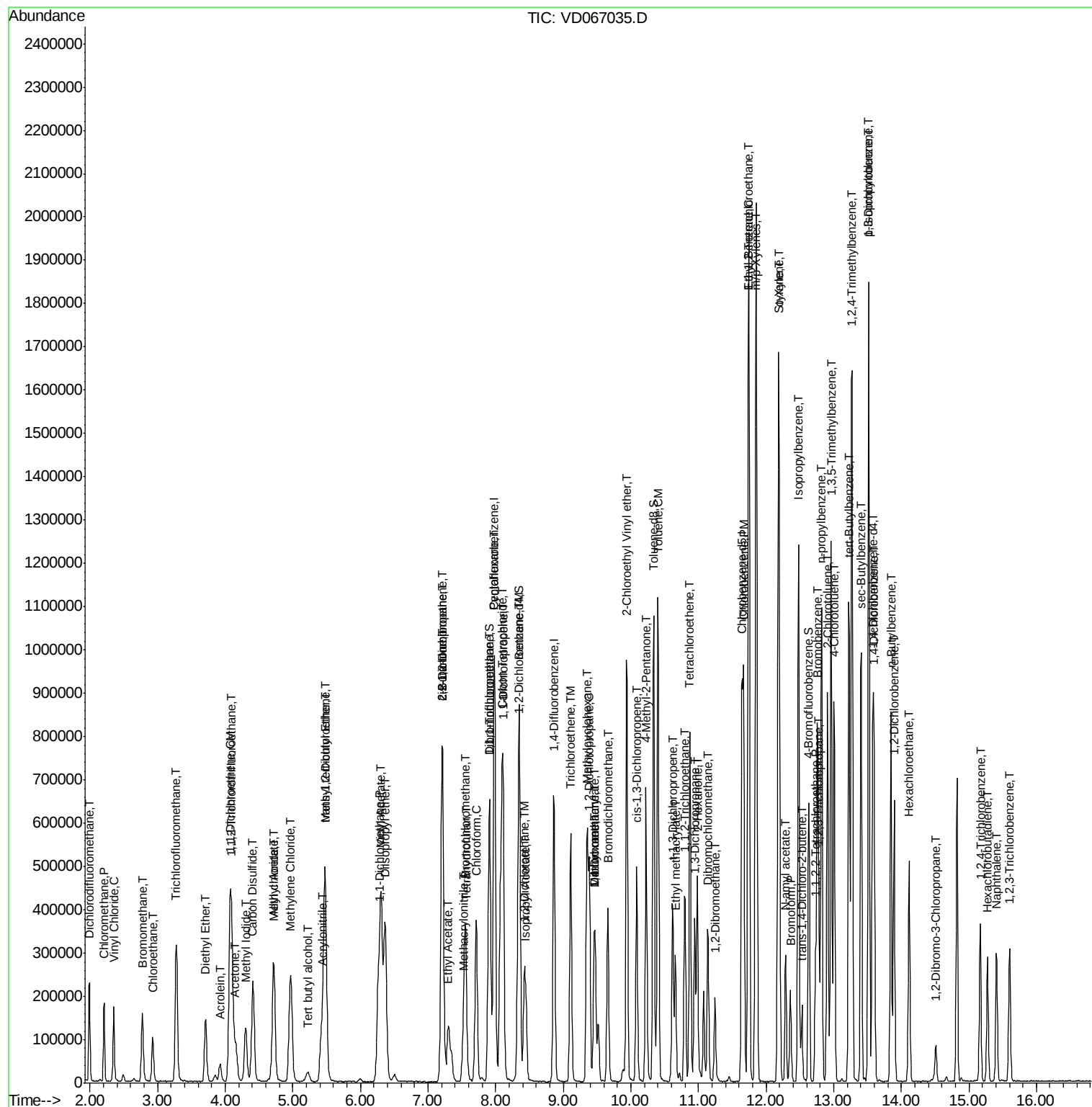
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123224	35.262	ug/l	99
94) Hexachlorobutadiene	15.27	225	56926	26.525	ug/l	98
95) Naphthalene	15.41	128	266449	45.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111564	36.776	ug/l	97

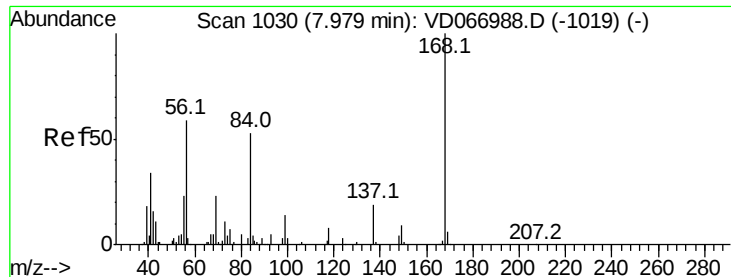
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

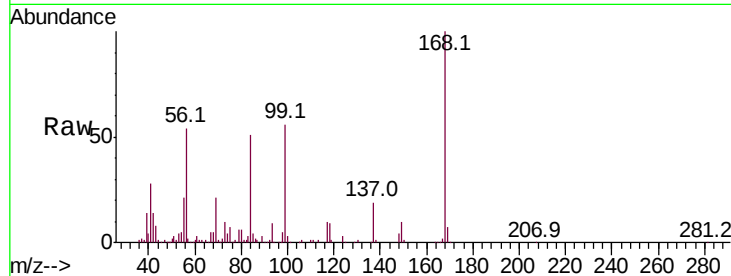
B-15(3-4)MSD

Tot Ion:168 Resp: 397134

Ion Ratio Lower Upper

168 100

99 55.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

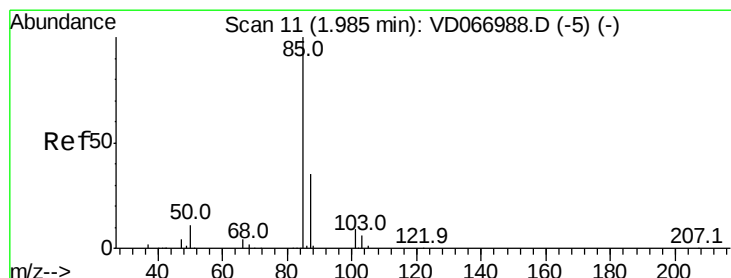
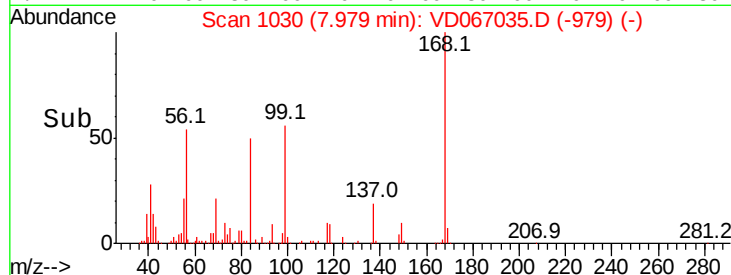
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.791 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067035.D

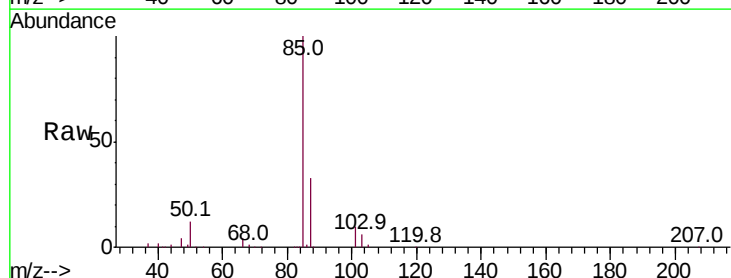
Acq: 02 Oct 2020 15:03

Tgt Ion: 85 Resp: 173653

Ion Ratio Lower Upper

85 100

87 33.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

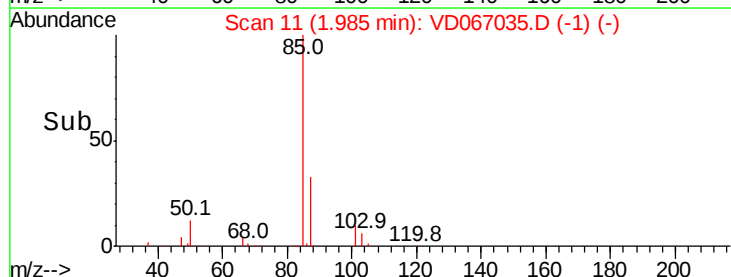
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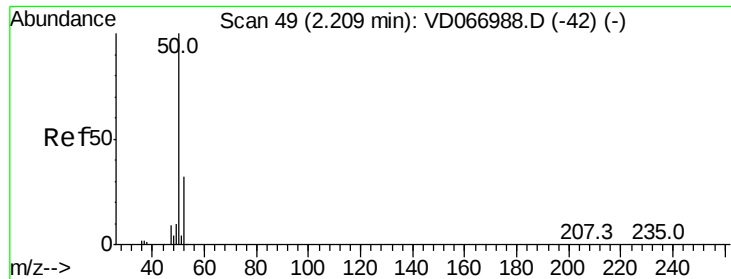
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.182 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

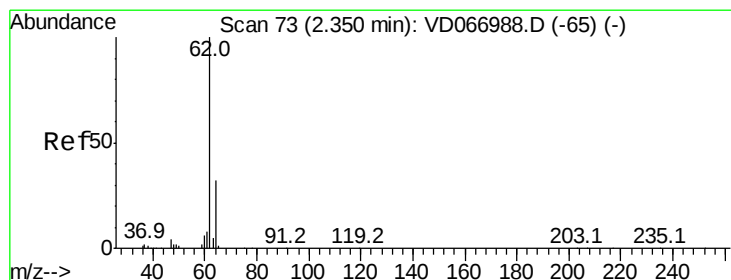
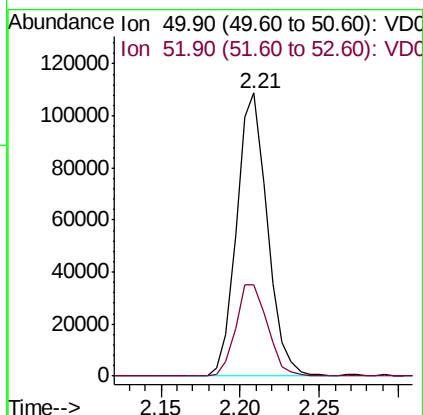
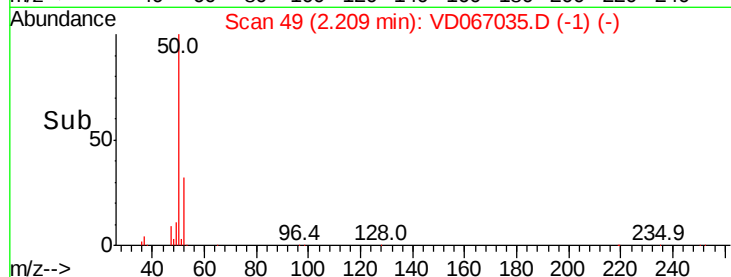
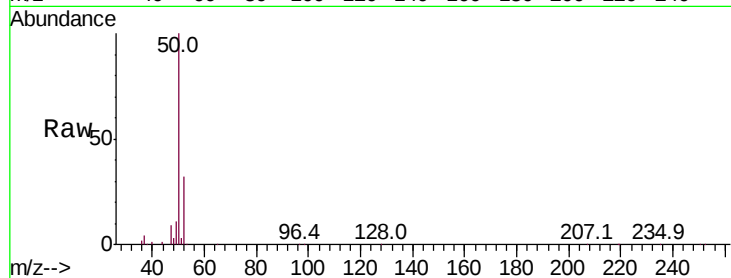
B-15(3-4)MSD

Tot Ion: 50 Resp: 146059

Ion Ratio Lower Upper

50 100

52 32.1 25.3 37.9



#4

Vinyl Chloride

Concen: 47.990 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067035.D

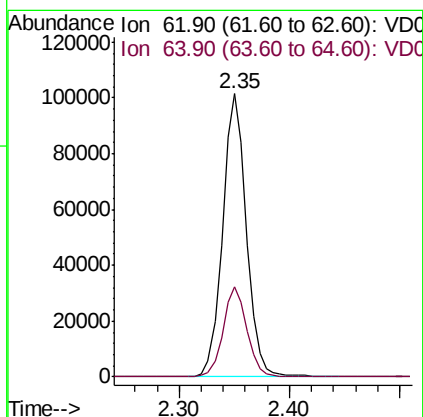
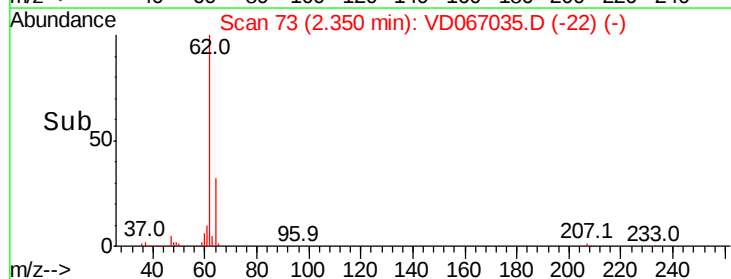
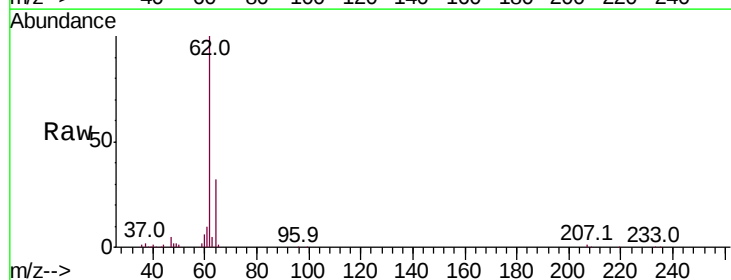
Acq: 02 Oct 2020 15:03

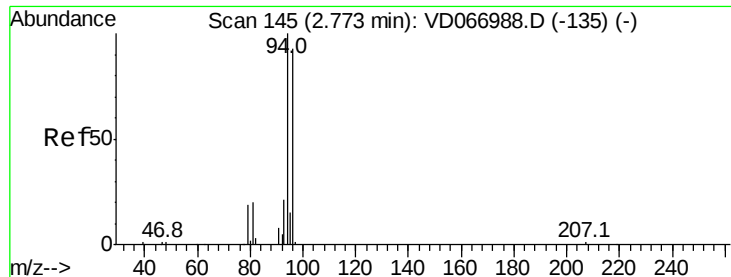
Tgt Ion: 62 Resp: 152187

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 57.334 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

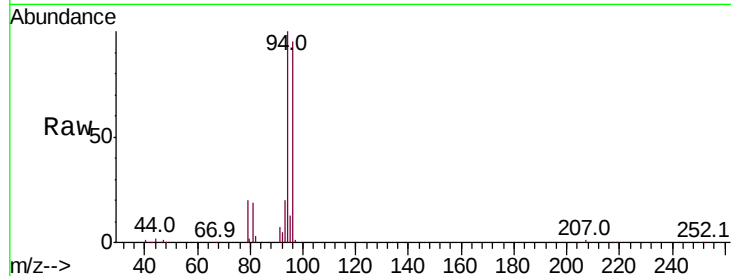
B-15(3-4)MSD

Tot Ion: 94 Resp: 115898

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

30000

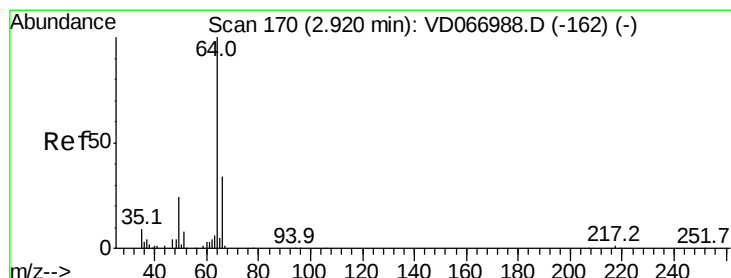
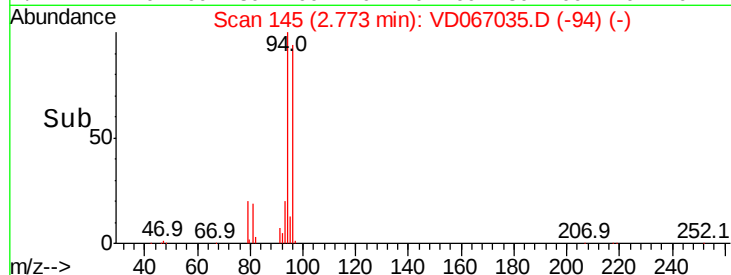
20000

10000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 48.387 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067035.D

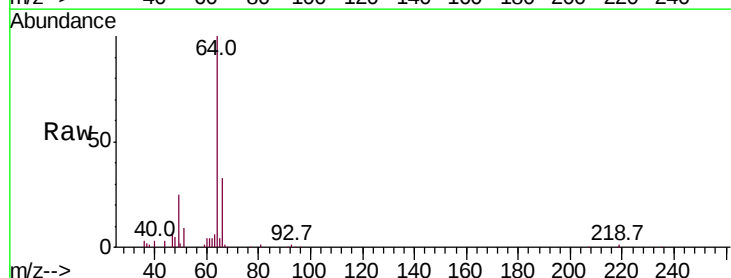
Acq: 02 Oct 2020 15:03

Tgt Ion: 64 Resp: 93449

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

50000

40000

30000

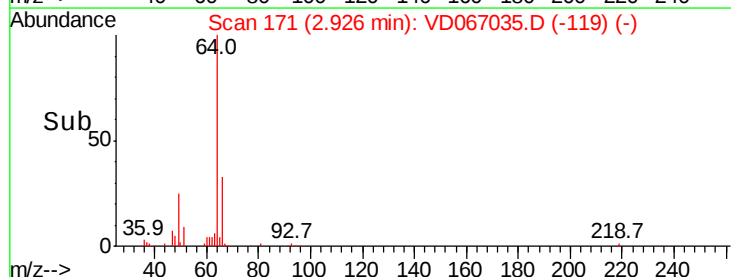
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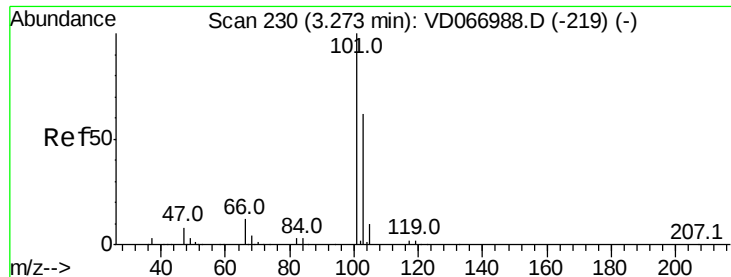
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0

Time-->

2.85 2.90 2.95 3.00



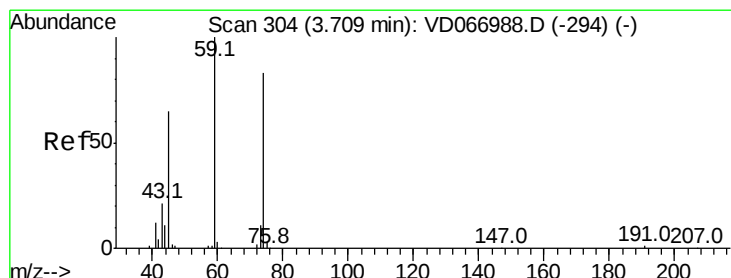
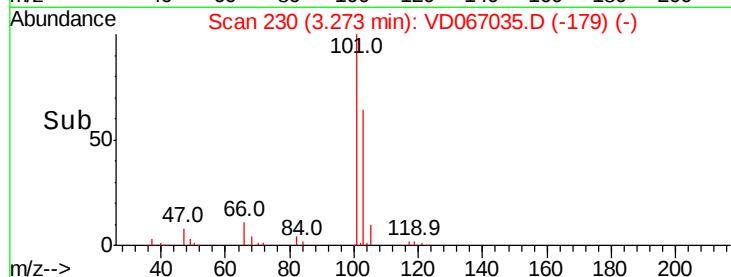
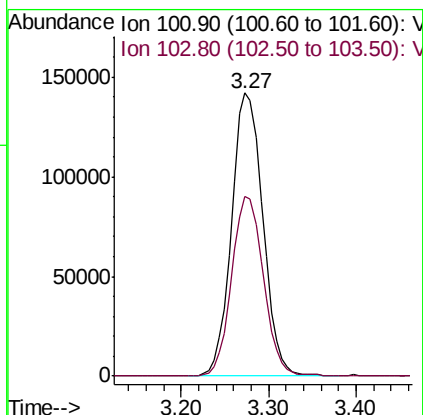
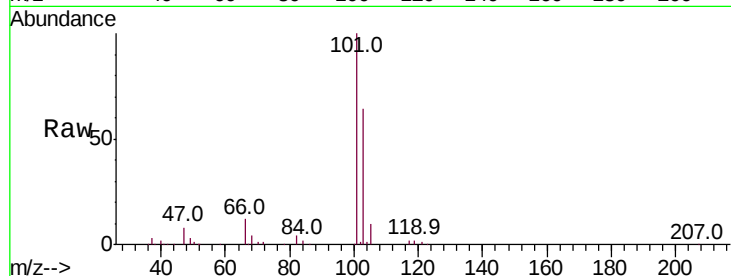


#7

Trichlorofluoromethane
 Concen: 48.896 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

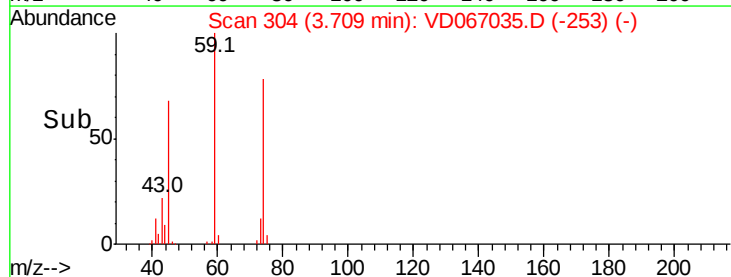
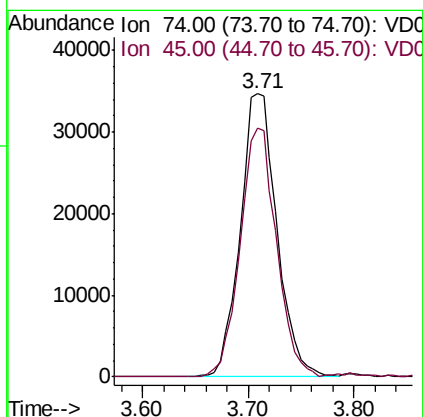
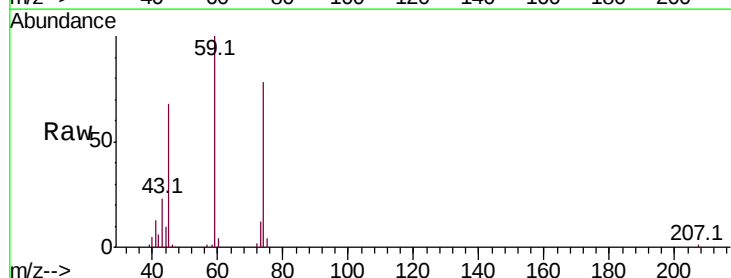
Tot Ion:101 Resp: 344503
 Ion Ratio Lower Upper
 101 100
 103 63.7 49.8 74.8

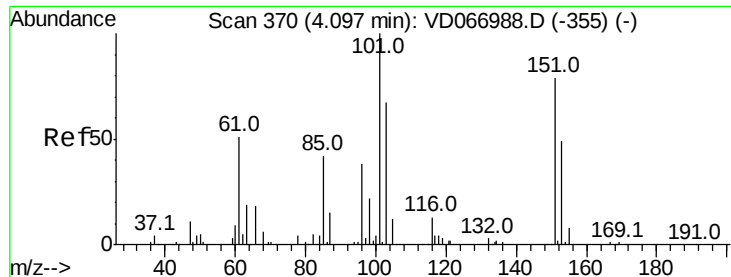


#8

Diethyl Ether
 Concen: 47.907 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 74 Resp: 83703
 Ion Ratio Lower Upper
 74 100
 45 86.9 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.085 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

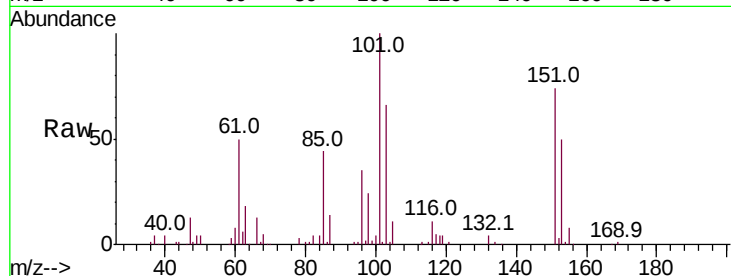
Tot Ion:101 Resp: 195472

Ion Ratio Lower Upper

101 100

85 42.0 33.8 50.8

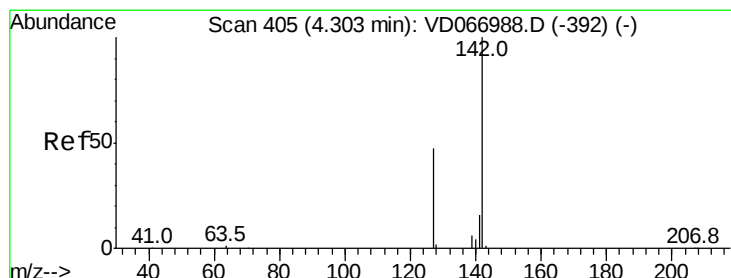
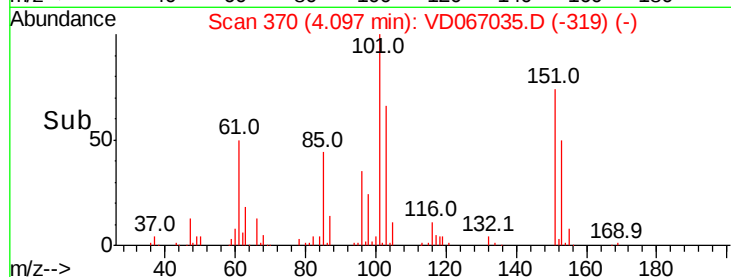
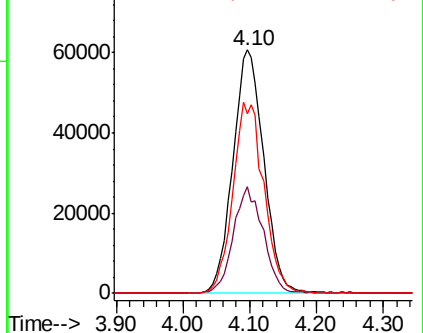
151 77.9 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.814 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

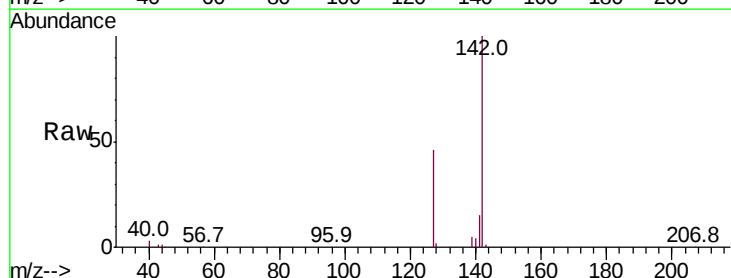
Tgt Ion:142 Resp: 212099

Ion Ratio Lower Upper

142 100

127 44.4 36.3 54.5

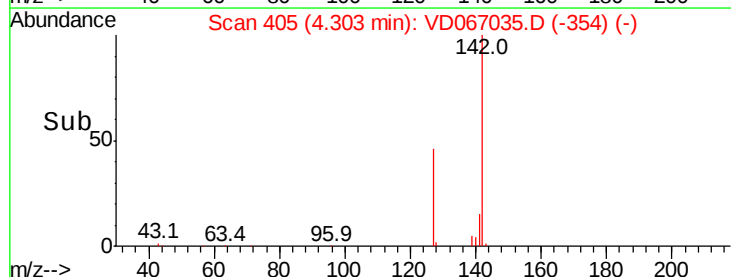
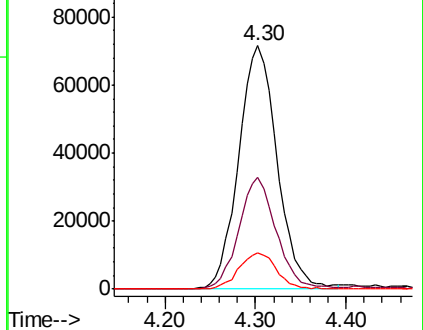
141 14.6 12.0 18.0

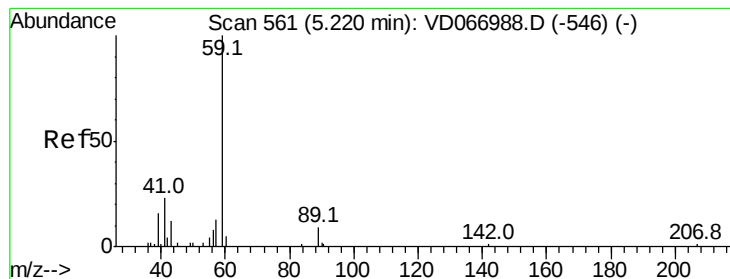


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



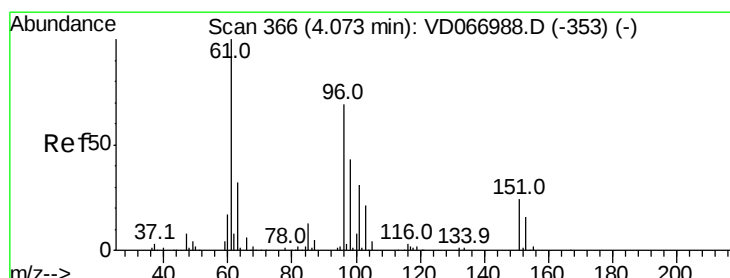
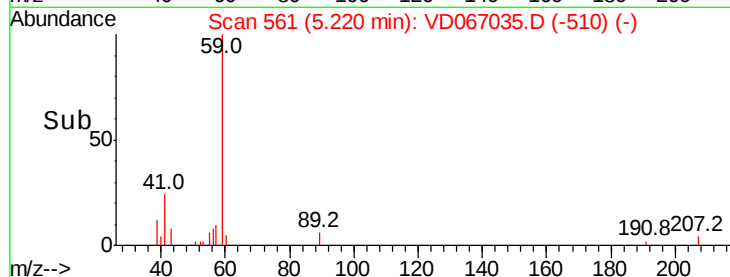
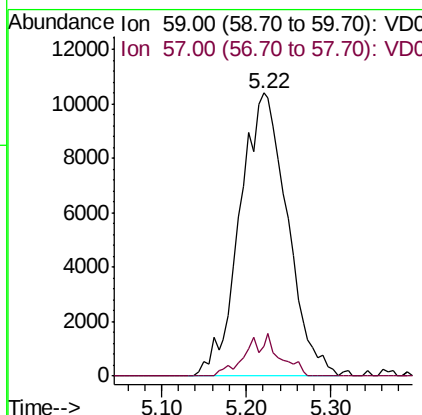
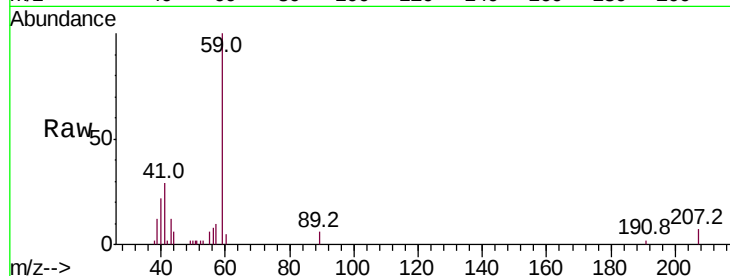


#11

Tert butyl alcohol
 Concen: 164.224 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

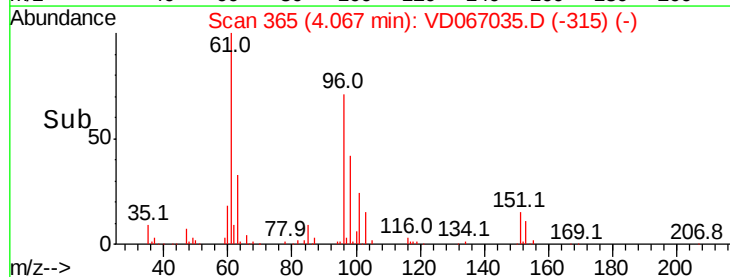
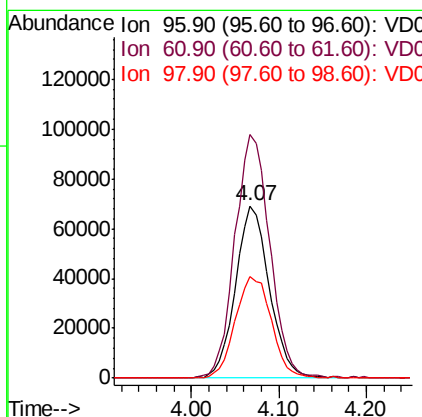
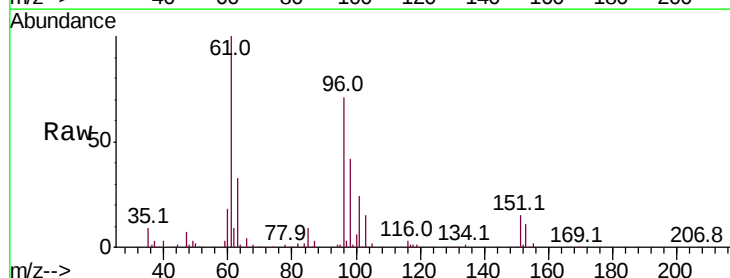
Tot Ion: 59 Resp: 40553
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.2 12.4#

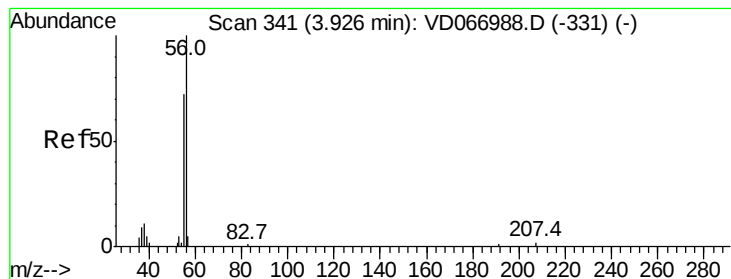


#12

1,1-Dichloroethene
 Concen: 48.358 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 96 Resp: 181037
 Ion Ratio Lower Upper
 96 100
 61 141.3 116.4 174.6
 98 59.3 49.9 74.9





#13

Acrolein

Concen: 191.061 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

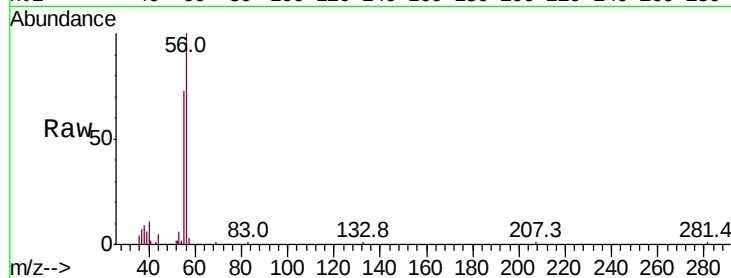
B-15(3-4)MSD

Tot Ion: 56 Resp: 48937

Ion Ratio Lower Upper

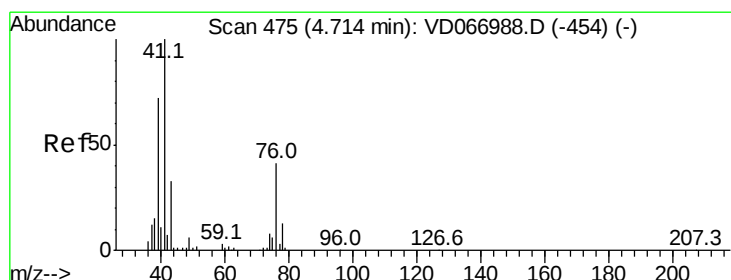
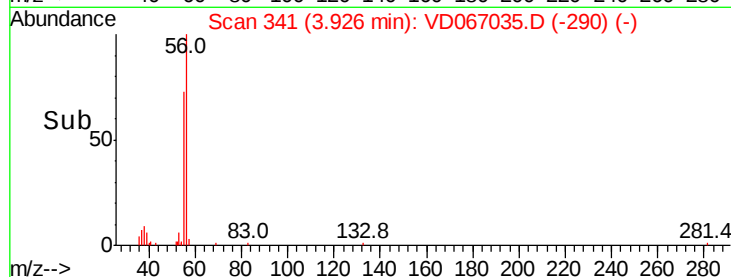
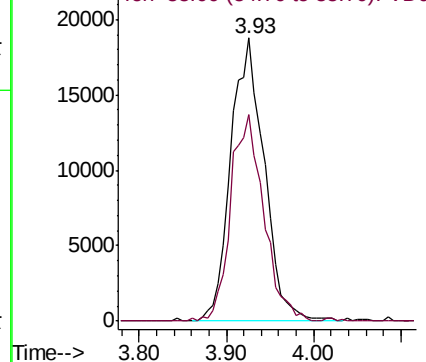
56 100

55 71.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.185 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

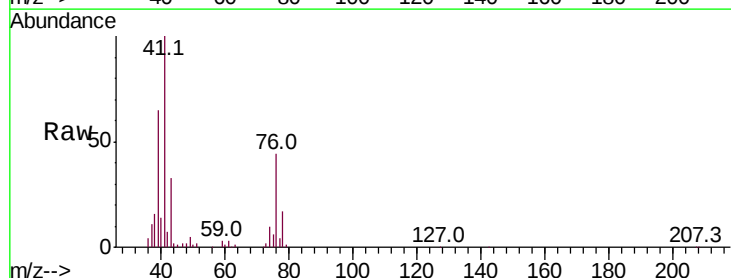
Tgt Ion: 41 Resp: 244068

Ion Ratio Lower Upper

41 100

39 69.8 56.2 84.2

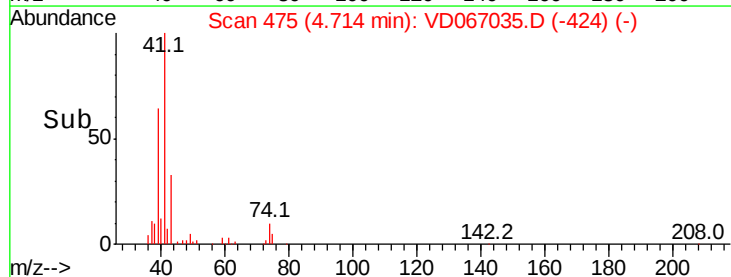
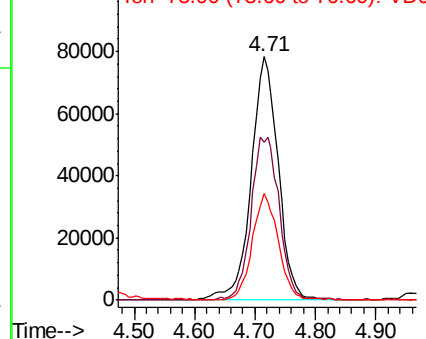
76 41.8 34.2 51.2

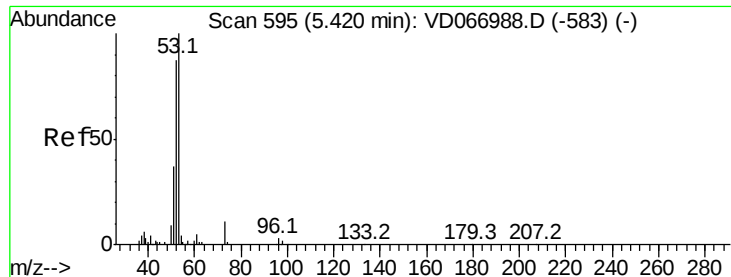


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 229.194 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

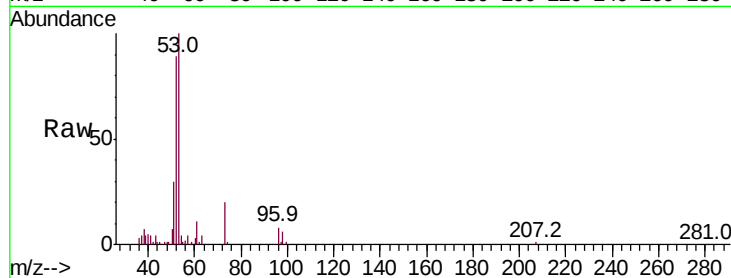
MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 53 Resp: 147381

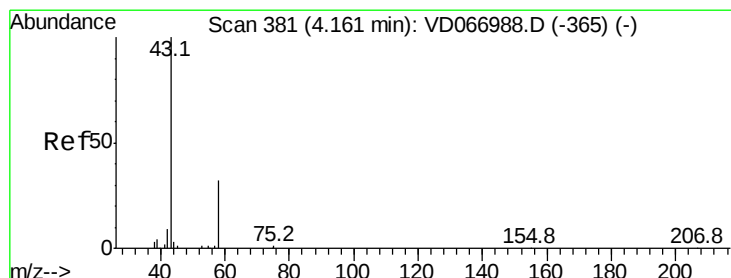
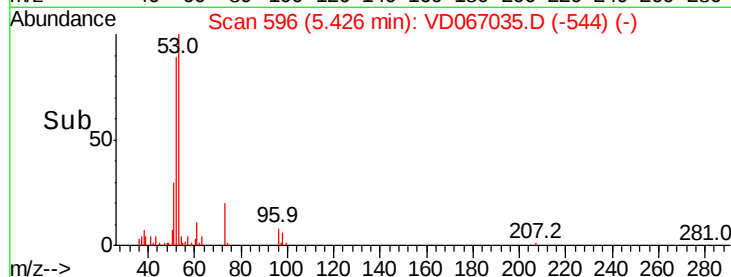
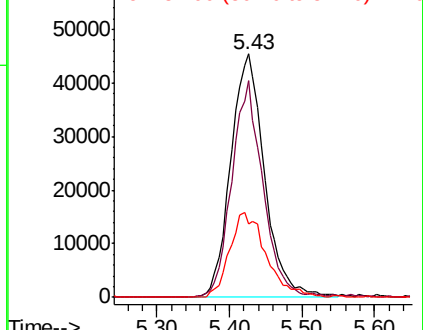
Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.3	100.9
51	37.6	30.2	45.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 241.353 ug/l

RT: 4.16 min Scan# 380

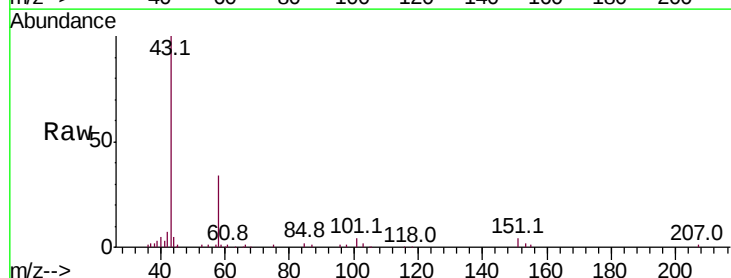
Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

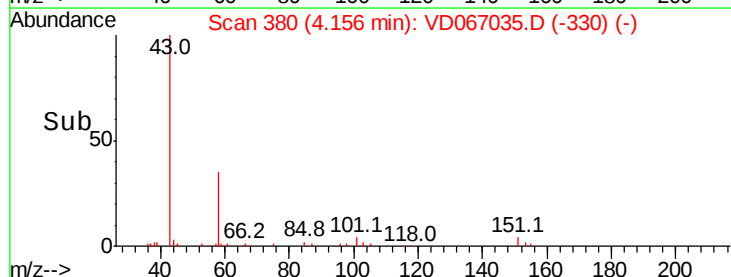
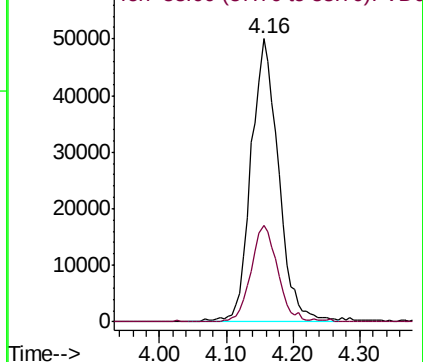
Tgt Ion: 43 Resp: 140930

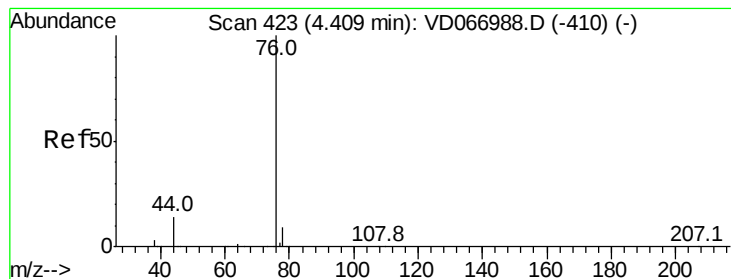
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.9	38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 43.043 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

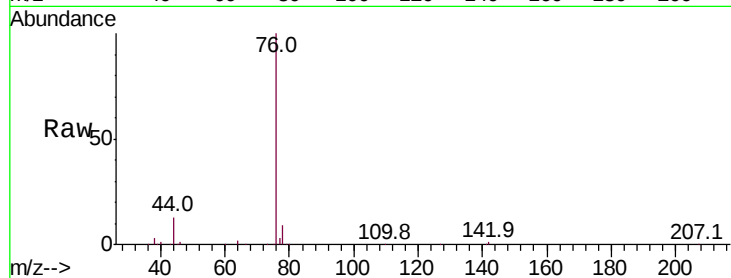
B-15(3-4)MSD

Tot Ion: 76 Resp: 494520

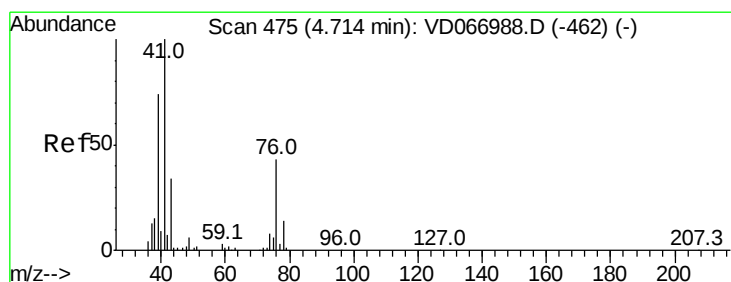
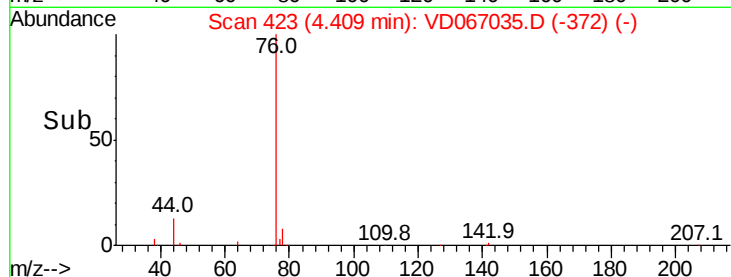
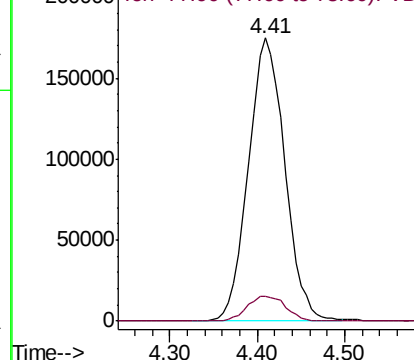
Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 59.700 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067035.D

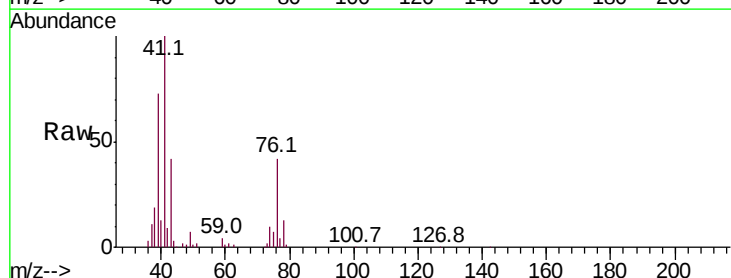
Acq: 02 Oct 2020 15:03

Tgt Ion: 43 Resp: 87614

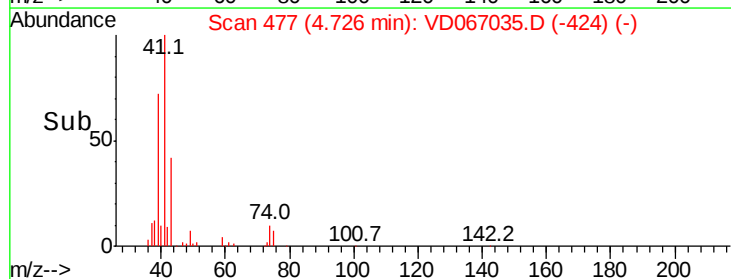
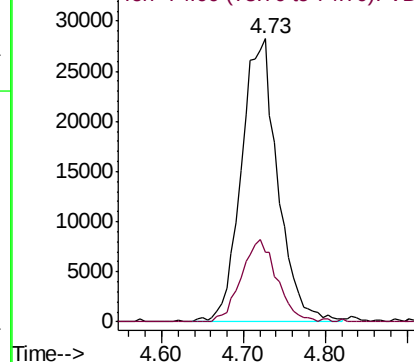
Ion Ratio Lower Upper

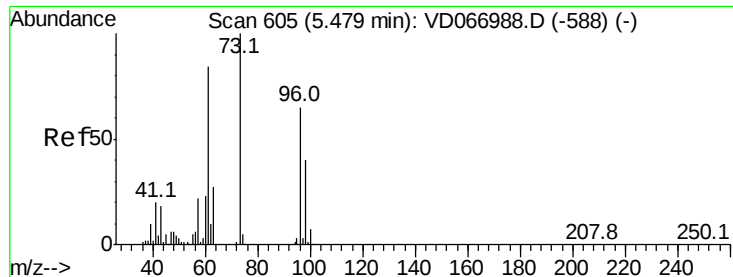
43 100

74 28.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

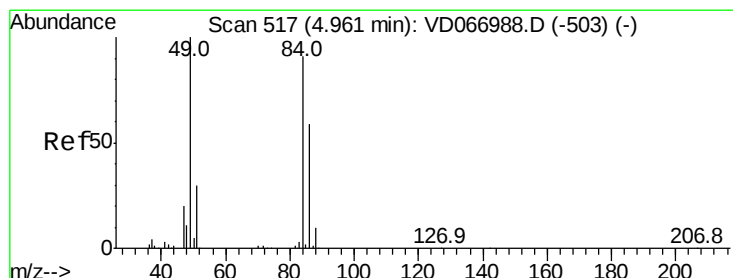
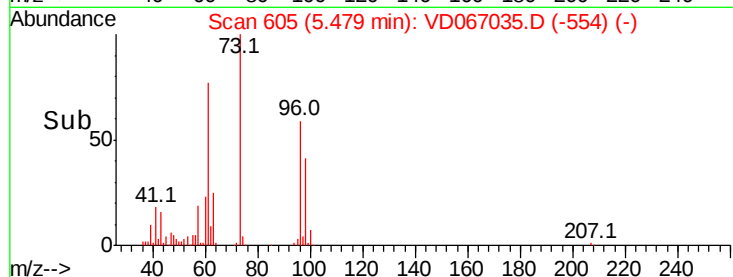
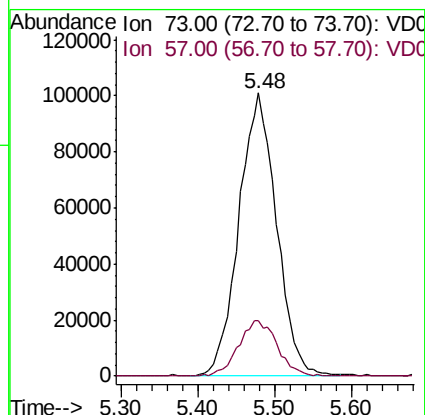
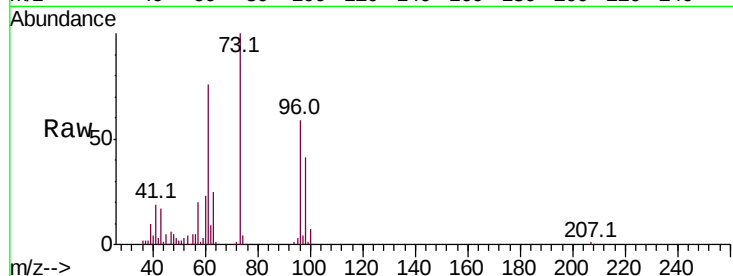




#19
Methvl tert-butvl Ether
Concen: 50.357 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

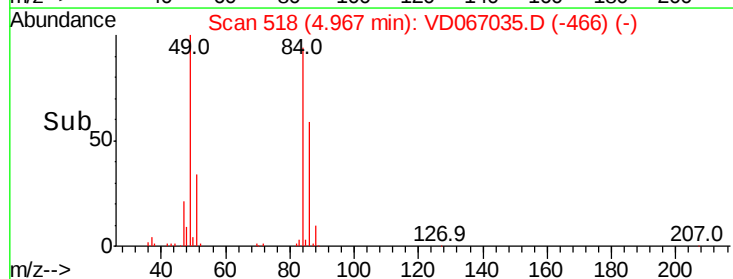
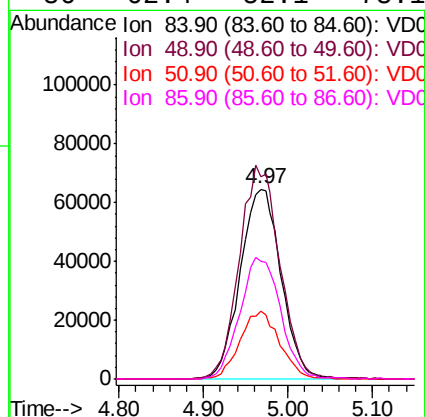
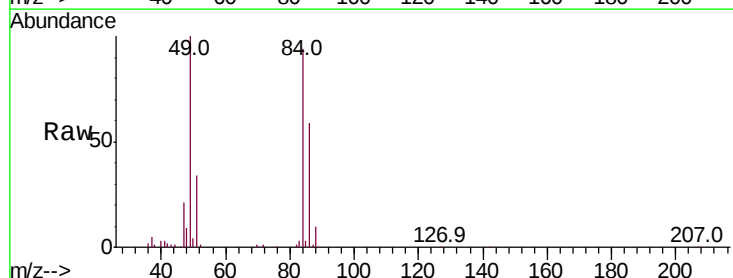
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

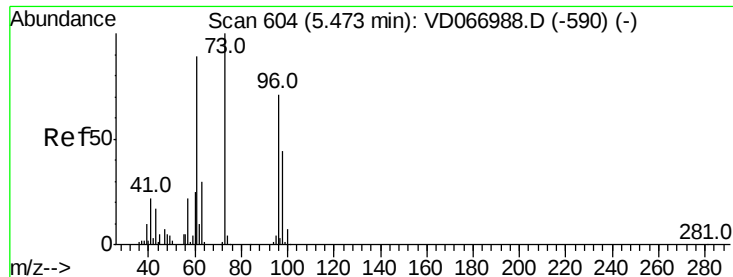
Tot Ion: 73 Resp: 344145
Ion Ratio Lower Upper
73 100
57 19.5 17.4 26.0



#20
Methylene Chloride
Concen: 52.731 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion: 84 Resp: 216851
Ion Ratio Lower Upper
84 100
49 106.7 88.2 132.2
51 35.9 26.6 39.8
86 62.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 46.858 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

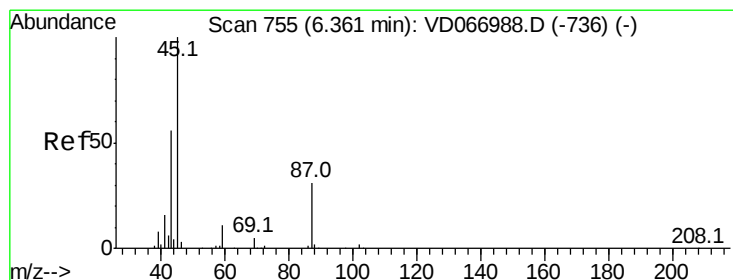
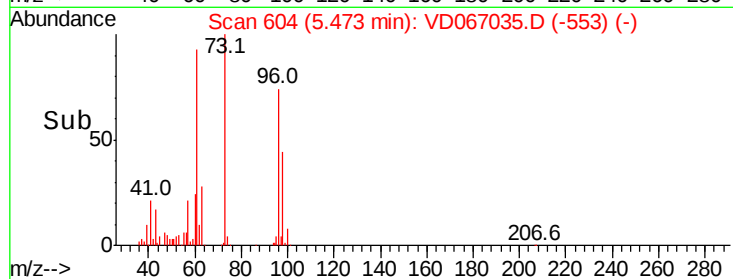
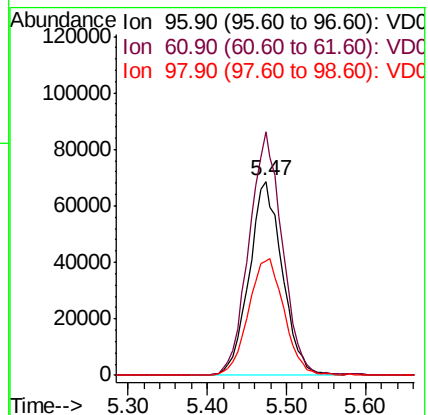
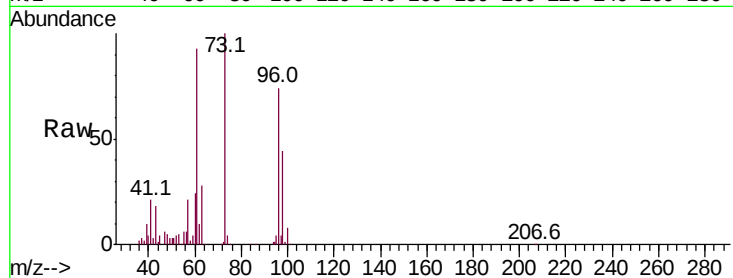
Tot Ion: 96 Resp: 199635

Ion Ratio Lower Upper

96 100

61 125.7 99.6 149.4

98 59.1 49.4 74.2



#22

Diisopropyl ether

Concen: 52.324 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion: 45 Resp: 464571

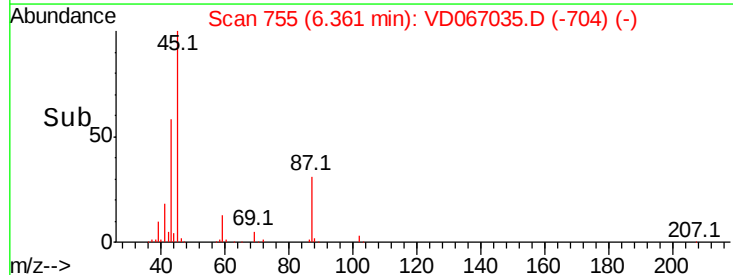
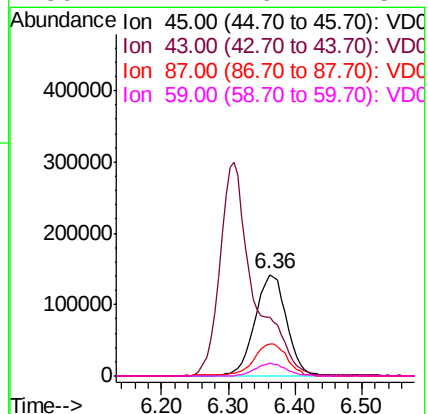
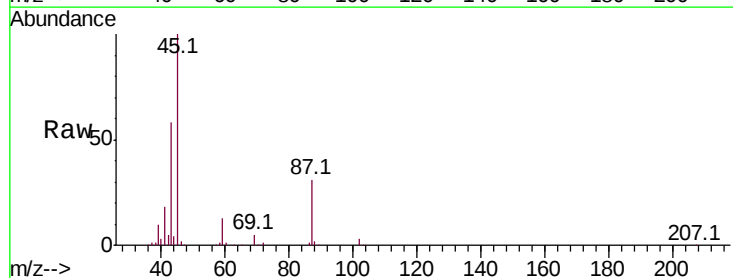
Ion Ratio Lower Upper

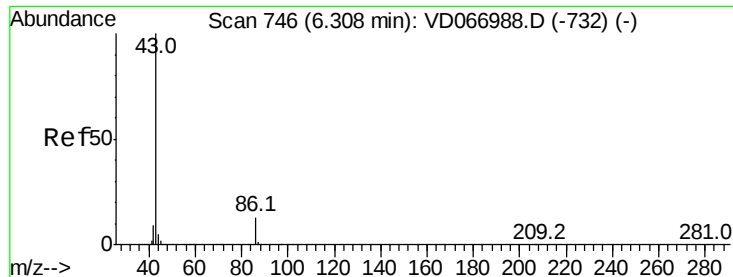
45 100

43 57.8 45.2 67.8

87 30.9 25.6 38.4

59 12.7 9.1 13.7





#23

Vinyl Acetate

Concen: 210.844 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

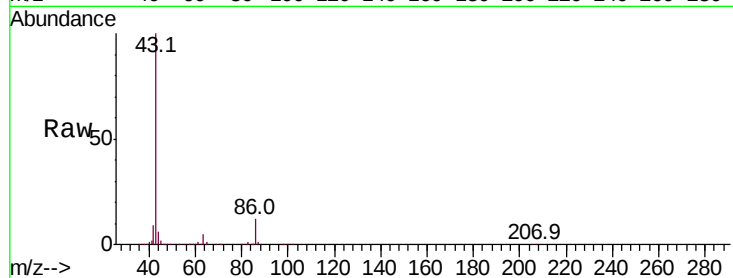
B-15(3-4)MSD

Tot Ion: 43 Resp: 1060814

Ion Ratio Lower Upper

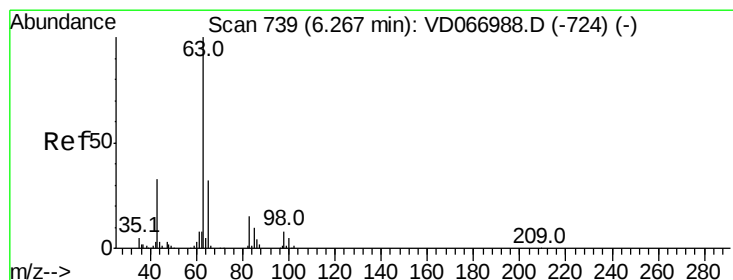
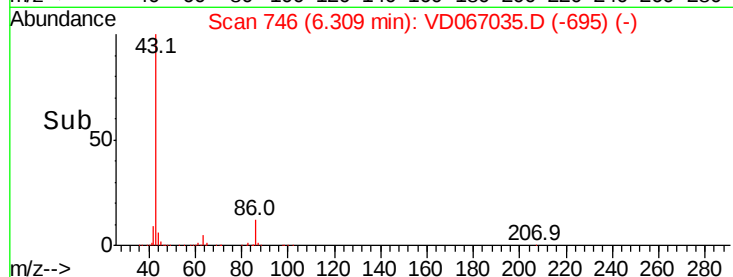
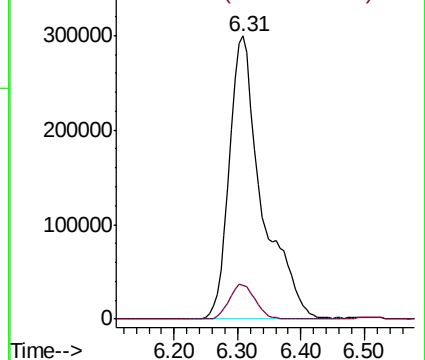
43 100

86 11.8 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.104 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

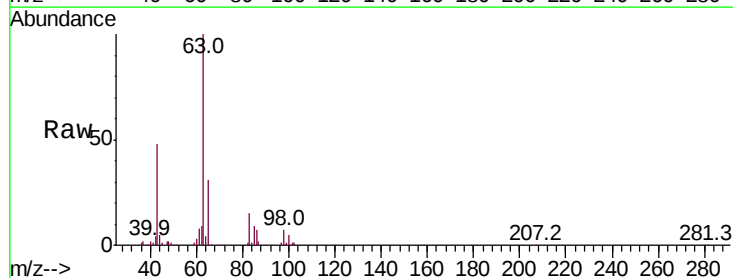
Tgt Ion: 63 Resp: 350170

Ion Ratio Lower Upper

63 100

98 6.6 4.2 12.6

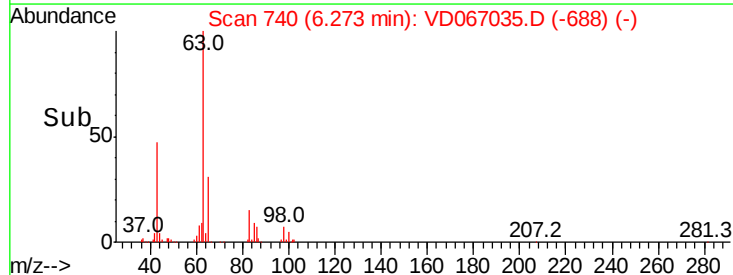
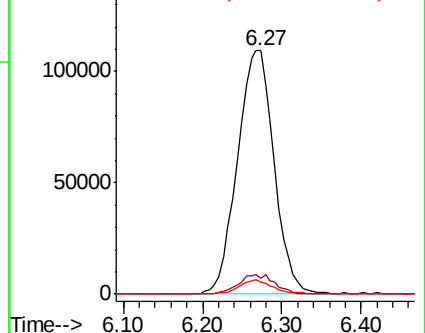
100 4.6 2.6 7.8

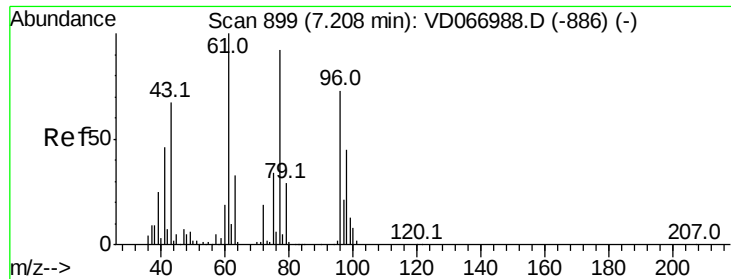


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

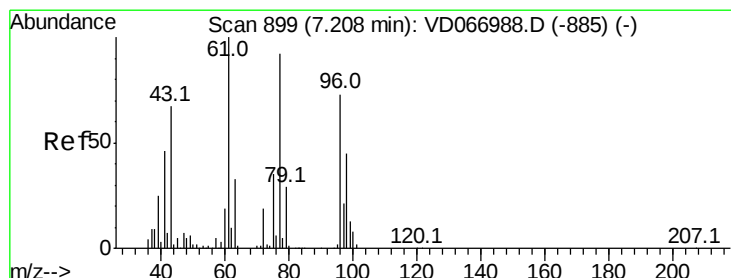
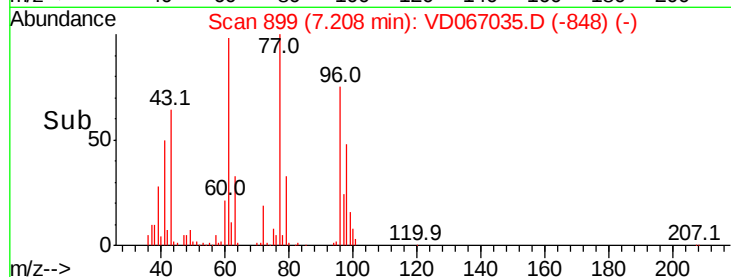
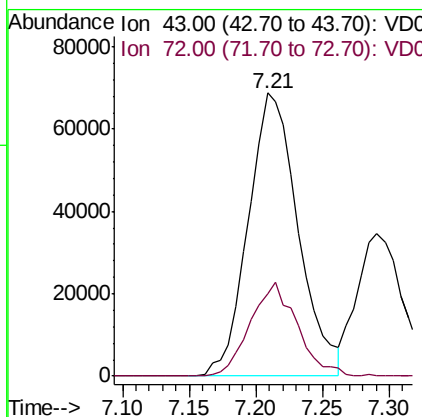
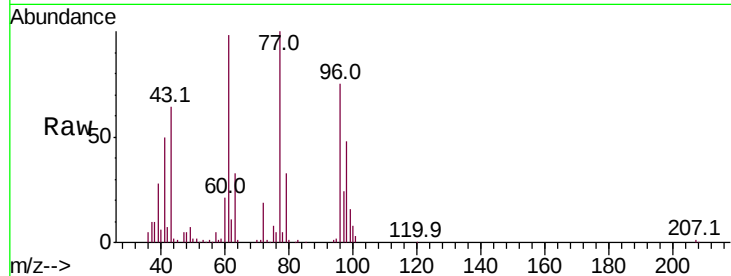




#25
 2-Butanone
 Concen: 215.635 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

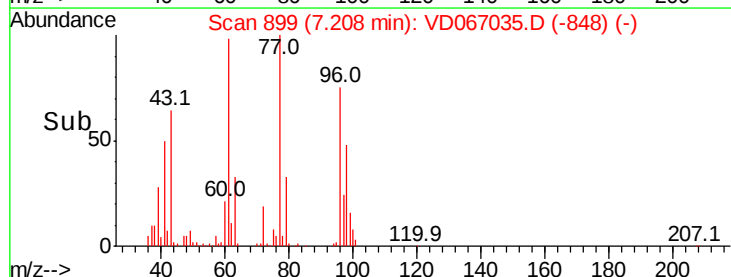
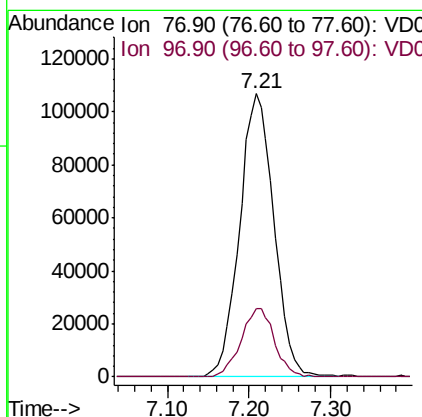
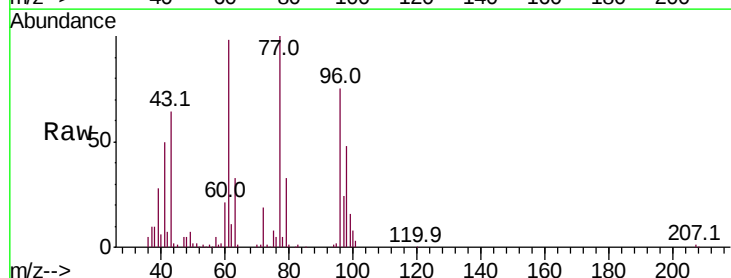
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

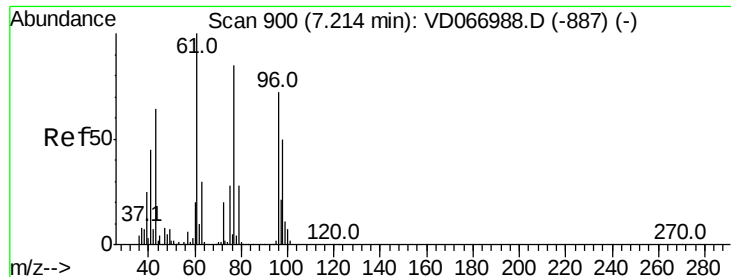
Tot Ion: 43 Resp: 178515
 Ion Ratio Lower Upper
 43 100
 72 29.0 22.8 34.2



#26
 2,2-Dichloropropane
 Concen: 53.361 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 77 Resp: 311032
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.4 34.2



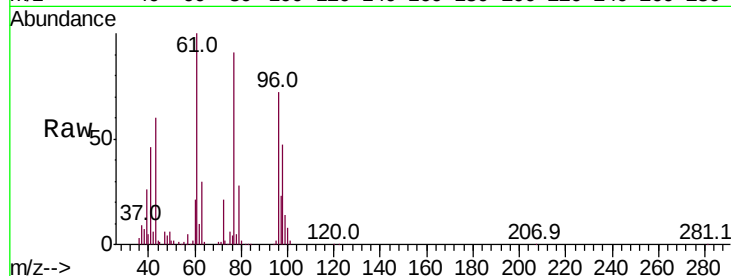


#27

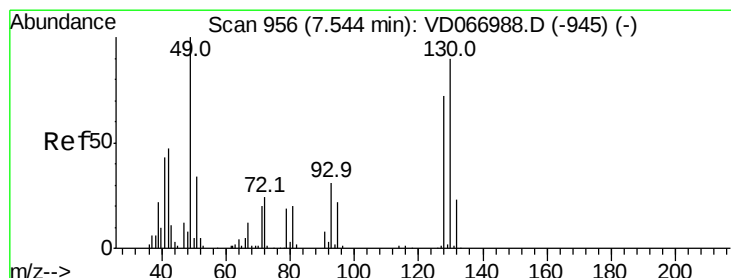
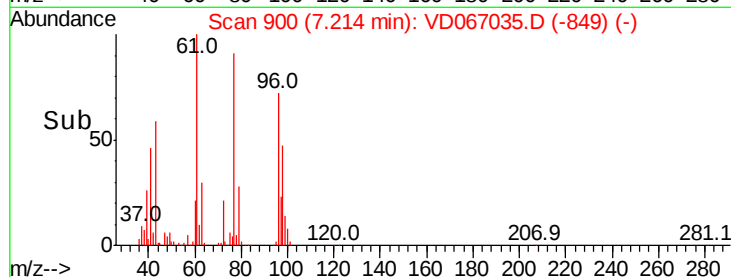
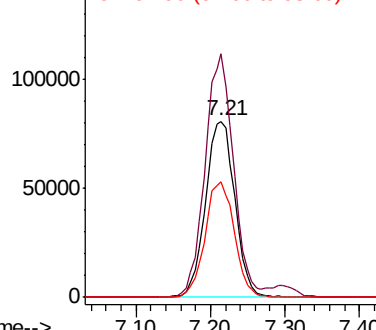
cis-1,2-Dichloroethene
Concen: 48.676 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	269.2
98	65.3	0.0	129.4



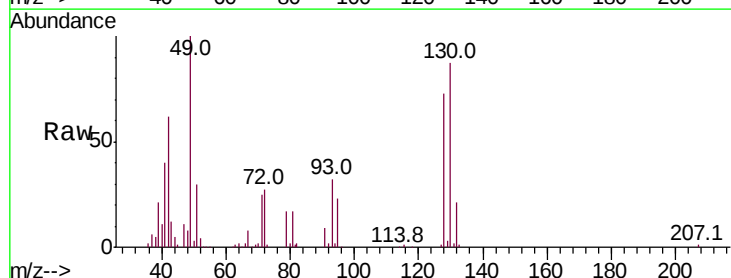
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



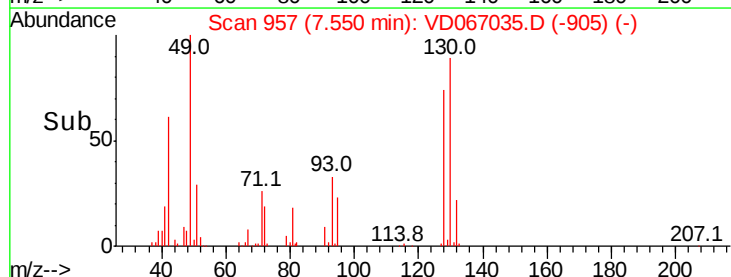
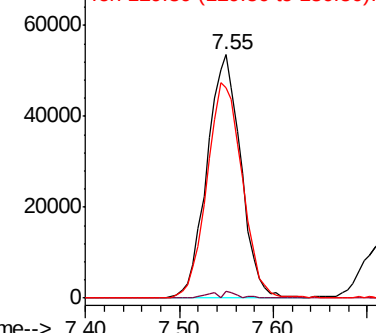
#28

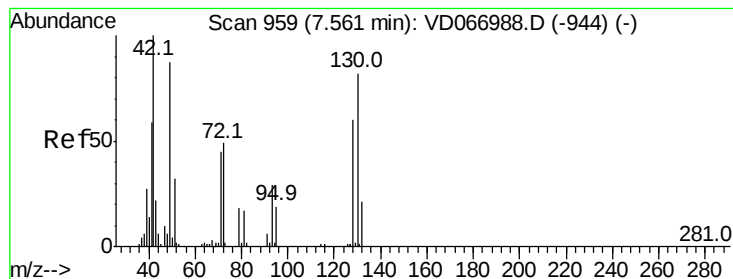
Bromochloromethane
Concen: 50.513 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	92.0	74.1	111.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.068 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

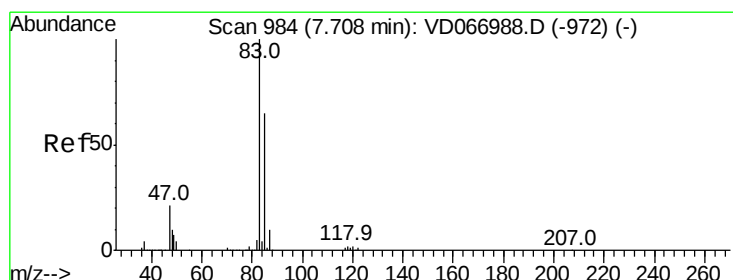
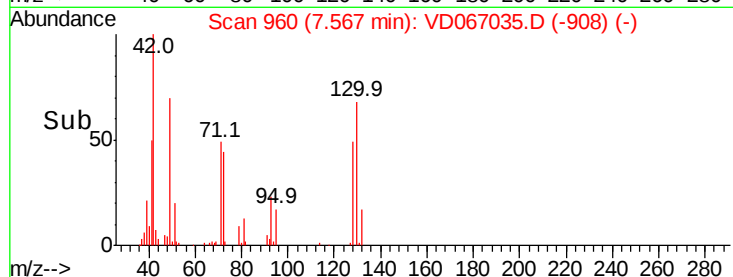
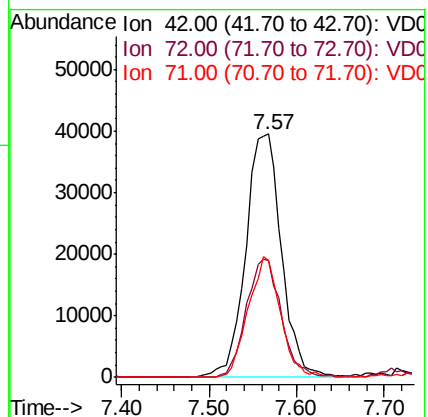
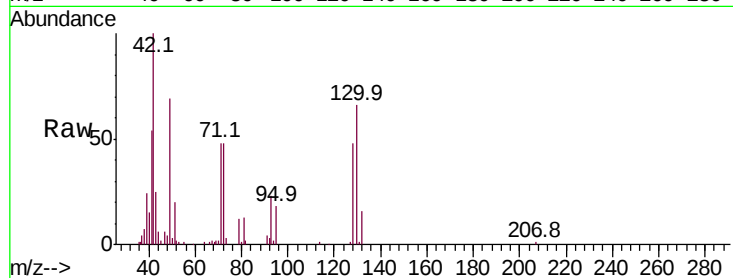
Tot Ion: 42 Resp: 109515

Ion Ratio Lower Upper

42 100

72 47.5 39.1 58.7

71 45.1 34.2 51.4



#30

Chloroform

Concen: 50.063 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067035.D

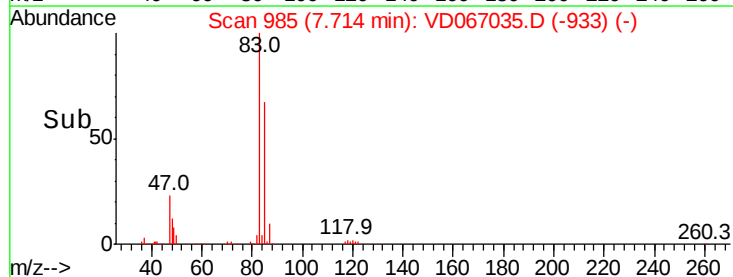
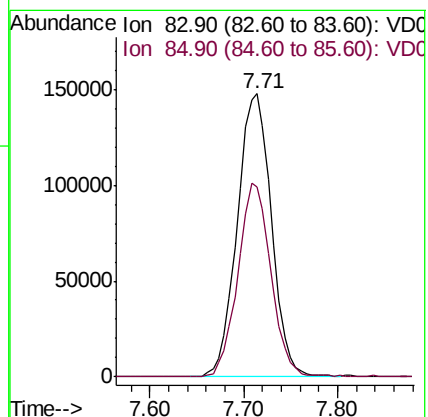
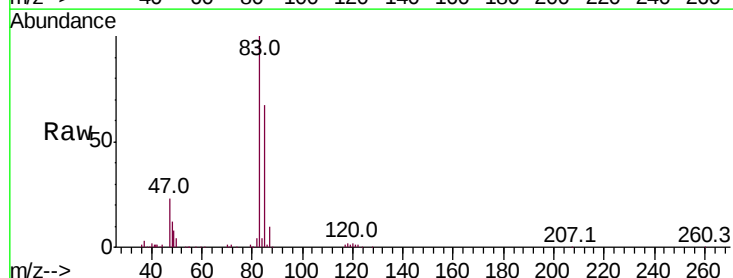
Acq: 02 Oct 2020 15:03

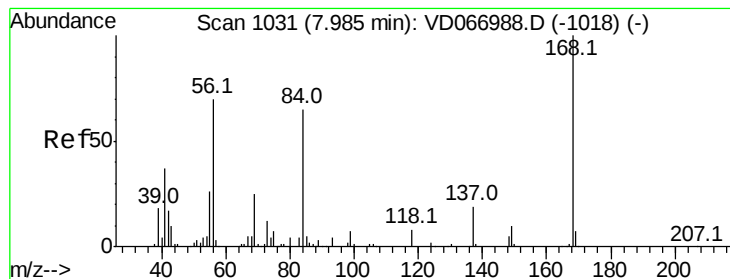
Tgt Ion: 83 Resp: 372123

Ion Ratio Lower Upper

83 100

85 67.1 52.3 78.5





#31

Cyclohexane

Concen: 43.265 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

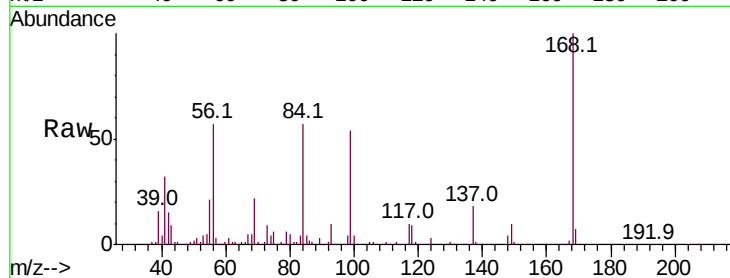
Tot Ion: 56 Resp: 248540

Ion Ratio Lower Upper

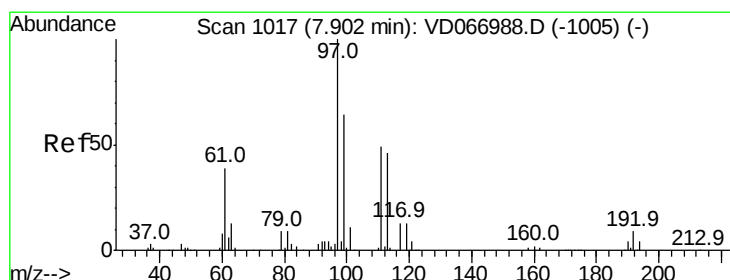
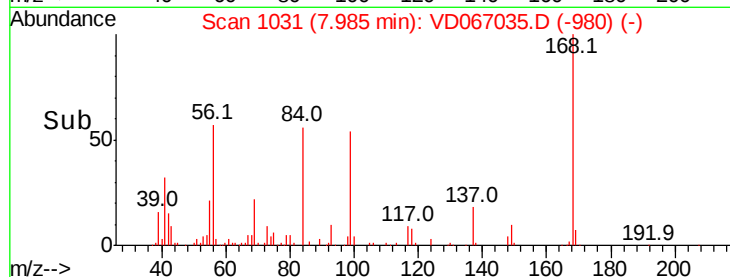
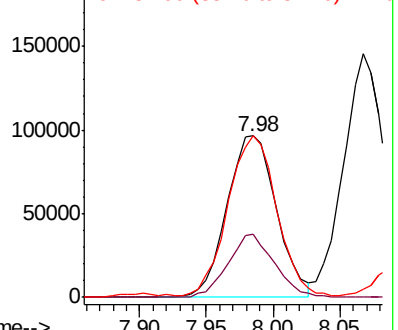
56 100

69 38.9 29.0 43.6

84 98.1 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.327 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

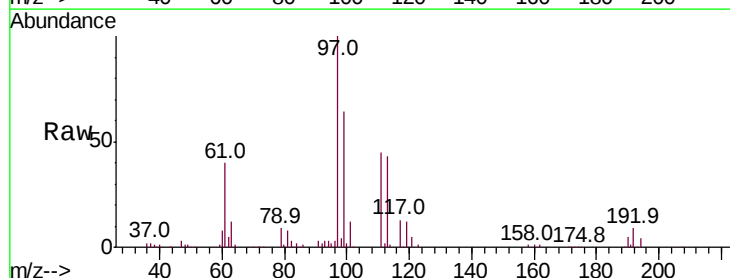
Tgt Ion: 97 Resp: 346694

Ion Ratio Lower Upper

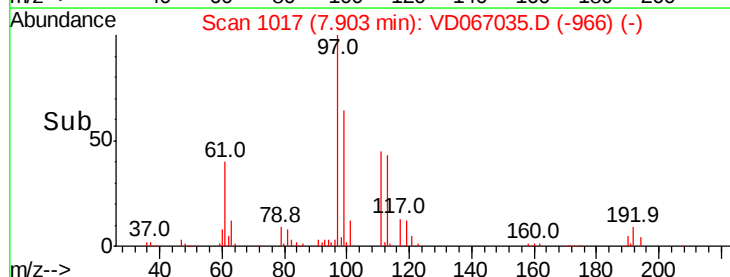
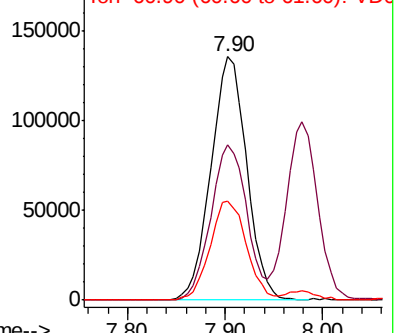
97 100

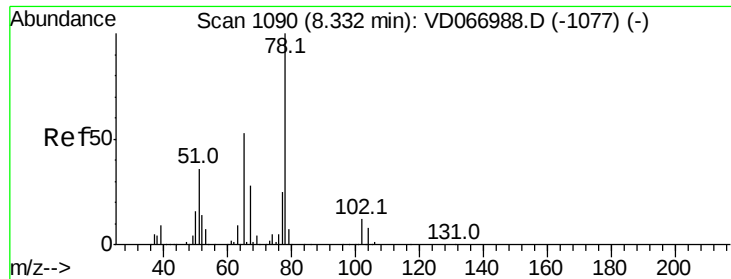
99 64.7 52.6 78.8

61 41.7 32.8 49.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

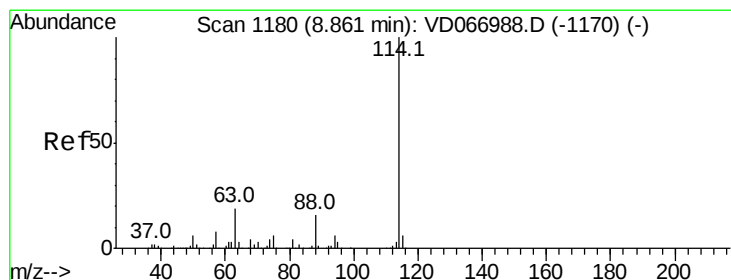
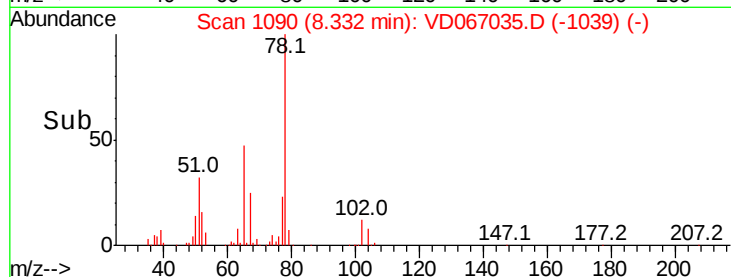
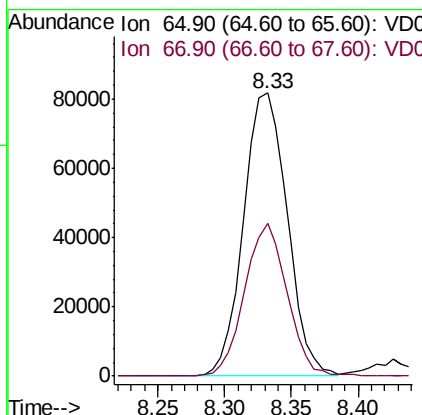
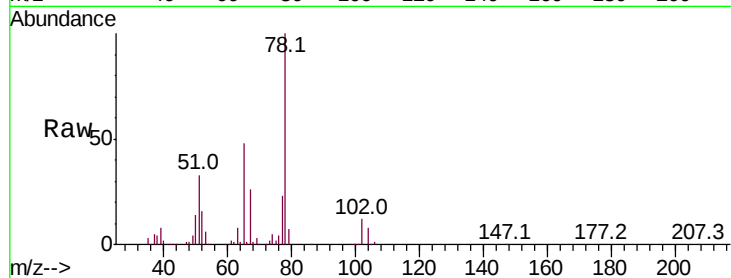




#33
 1,2-Dichloroethane-d4
 Concen: 48.499 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

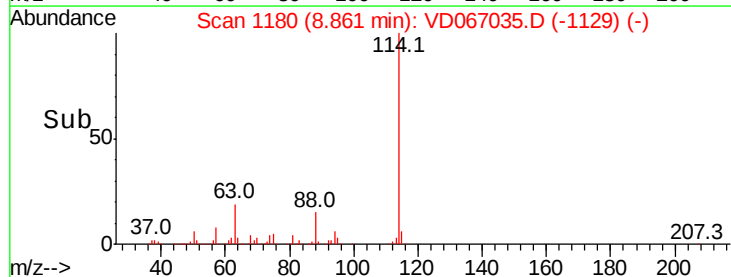
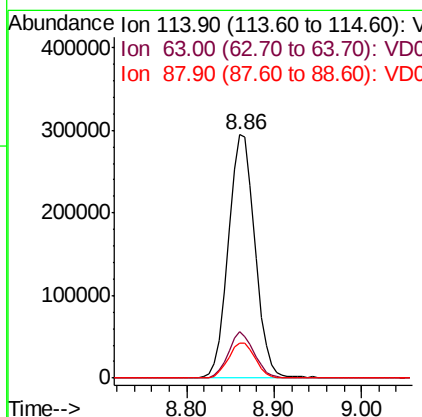
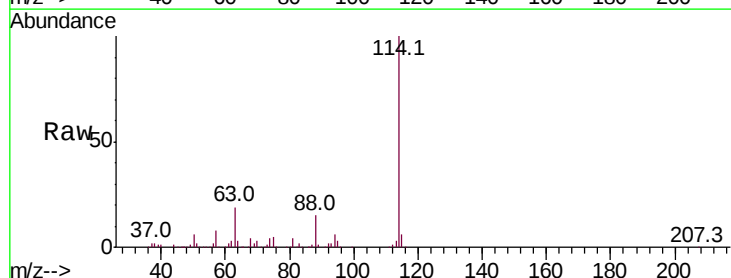
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

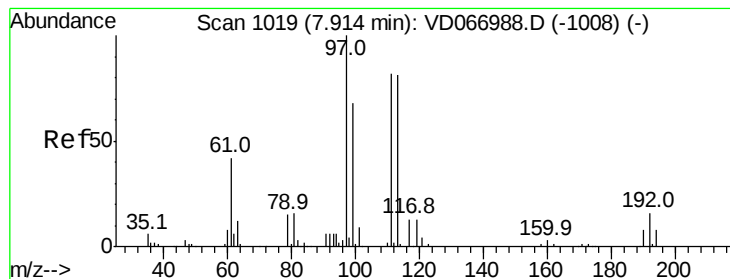
Tot Ion: 65 Resp: 185516
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 114 Resp: 608853
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 14.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.085 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

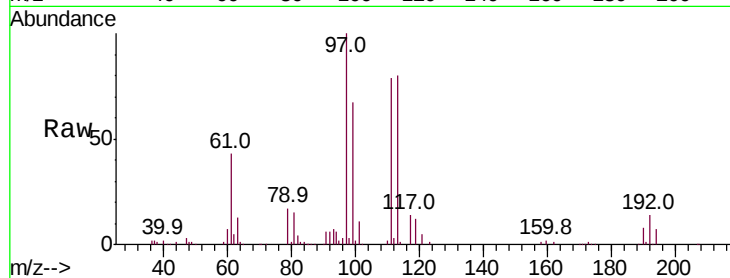
Tot Ion:113 Resp: 207614

Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.4

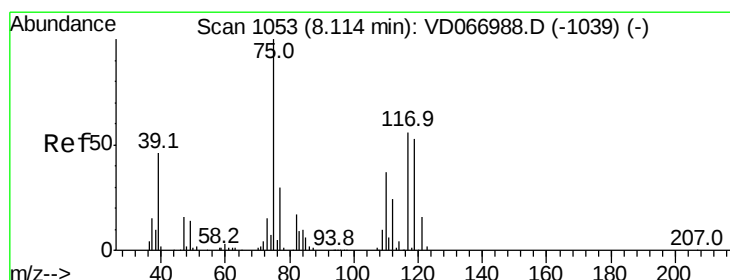
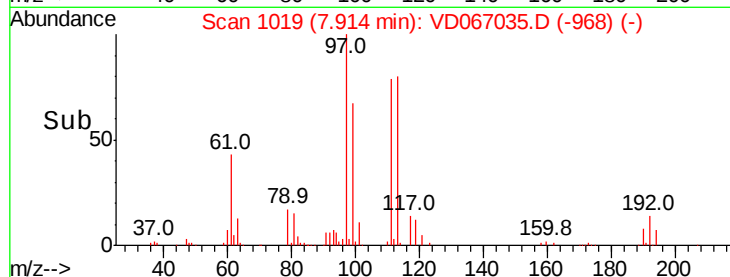
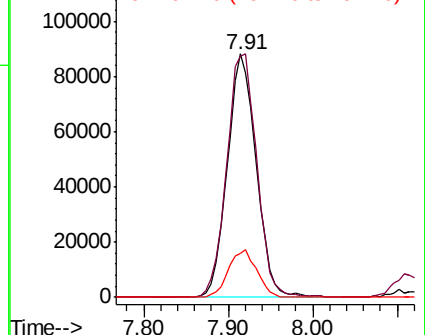
192 19.1 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.786 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

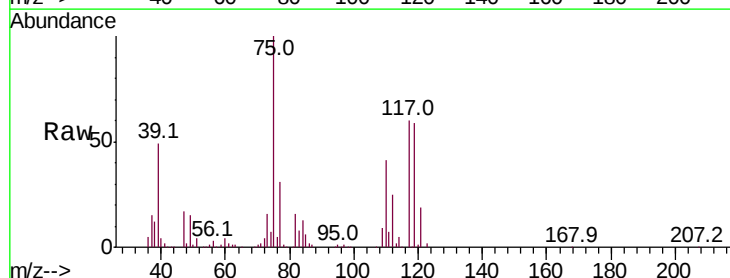
Tgt Ion: 75 Resp: 265521

Ion Ratio Lower Upper

75 100

110 37.8 18.4 55.0

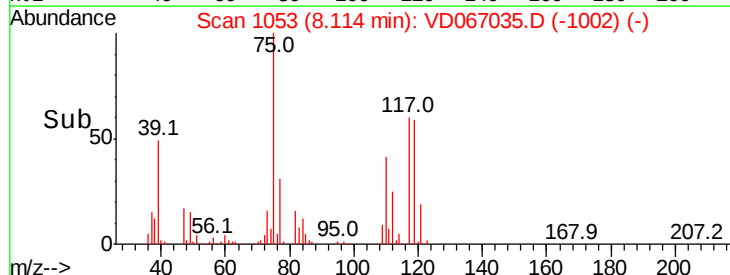
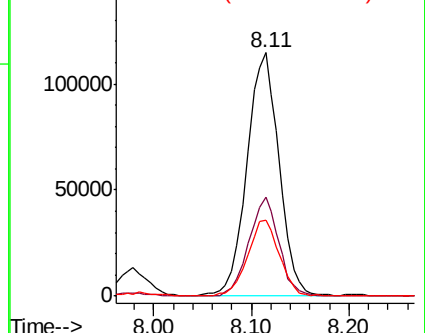
77 31.0 24.8 37.2

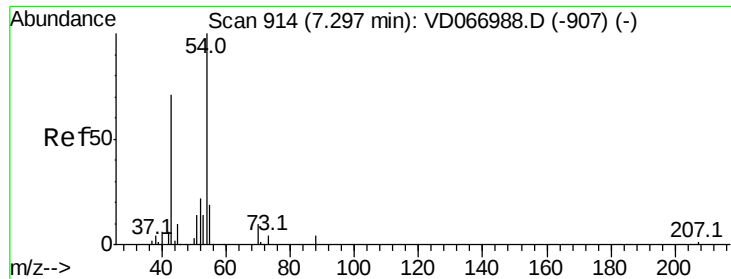


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 42.615 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

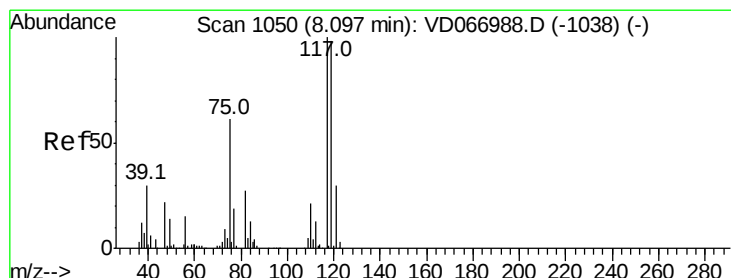
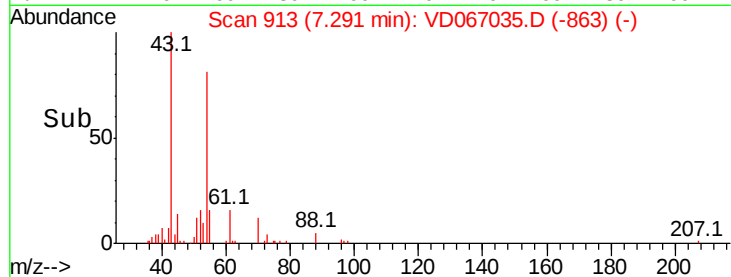
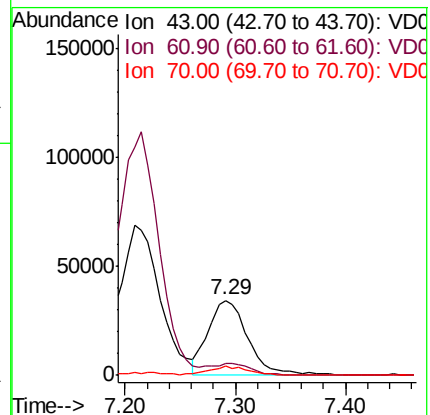
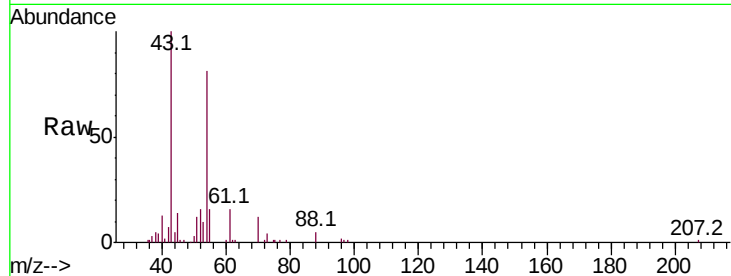
Tot Ion: 43 Resp: 83783

Ion Ratio Lower Upper

43 100

61 14.4 12.5 18.7

70 12.1 9.4 14.0



#38

Carbon Tetrachloride

Concen: 51.326 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

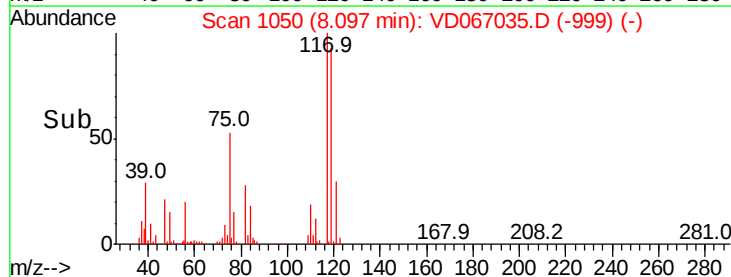
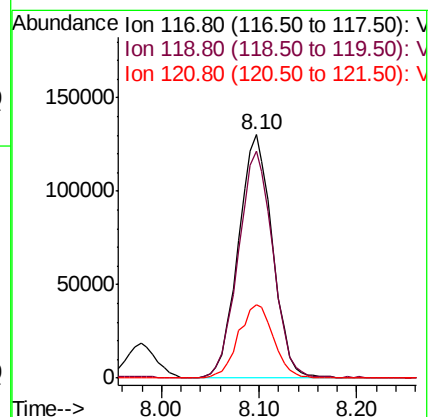
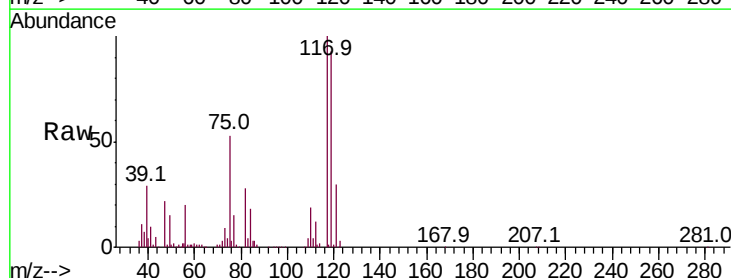
Tgt Ion: 117 Resp: 315166

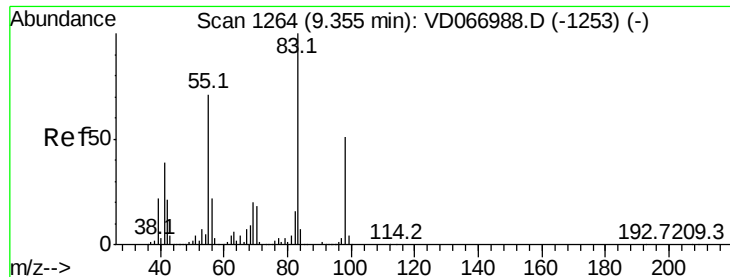
Ion Ratio Lower Upper

117 100

119 93.0 78.7 118.1

121 30.1 24.2 36.2

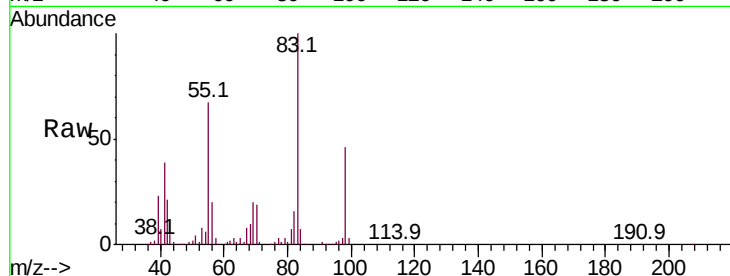




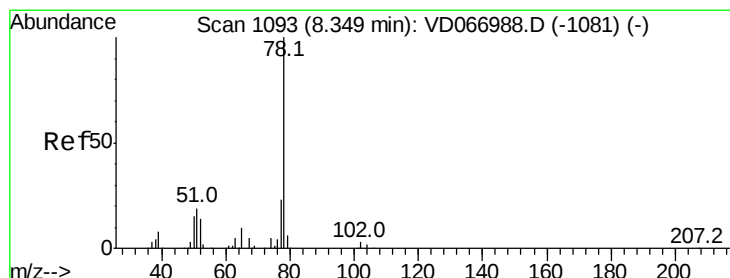
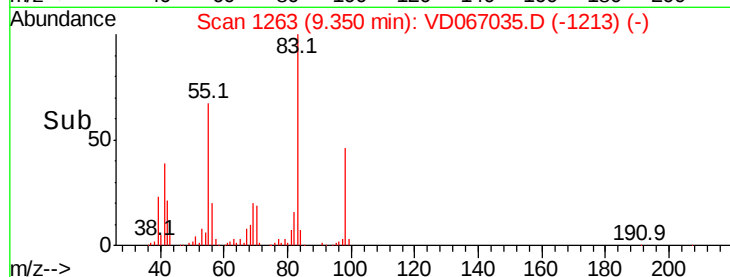
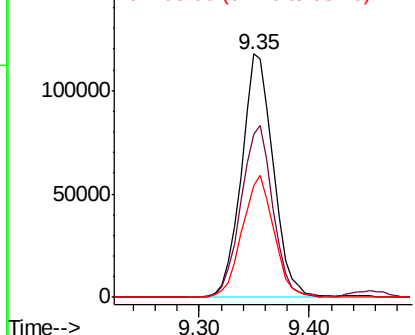
#39
Methvlcvclohexane
Concen: 39.838 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	57.1	85.7
98	45.8	40.9	61.3

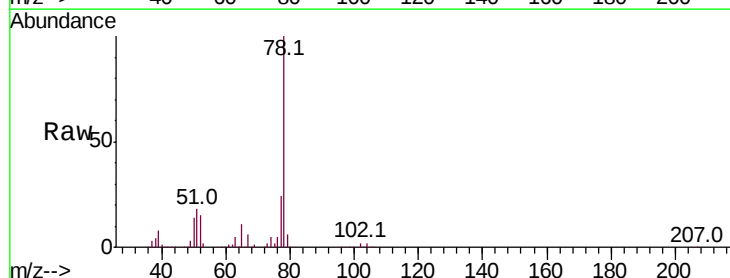


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

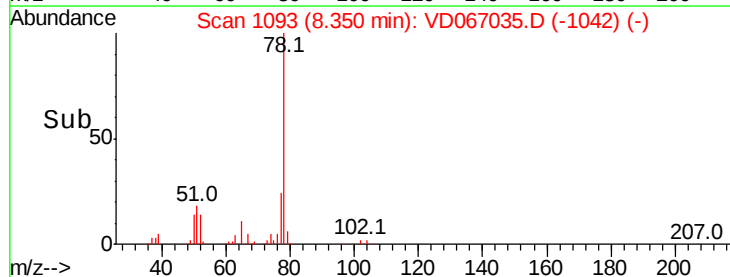
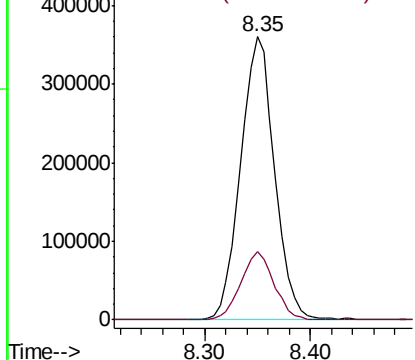


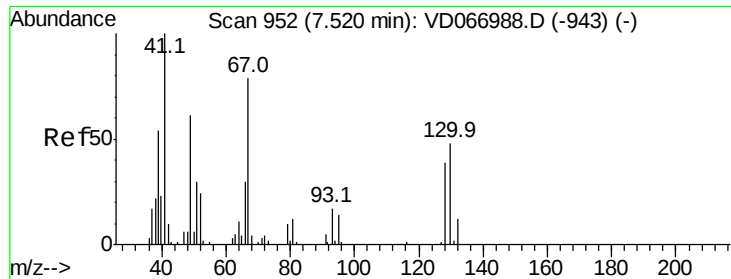
#40
Benzene
Concen: 50.935 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

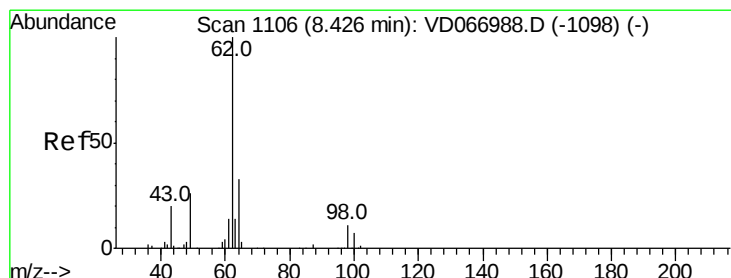
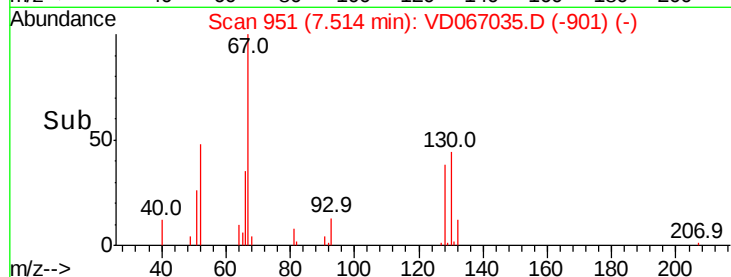
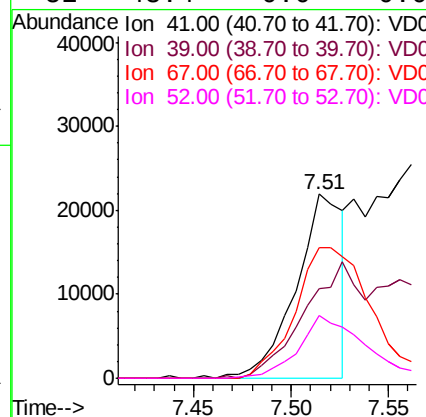
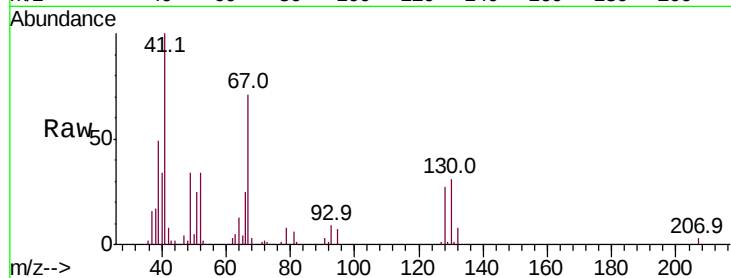




#41
Methacrylonitrile
Concen: 34.706 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

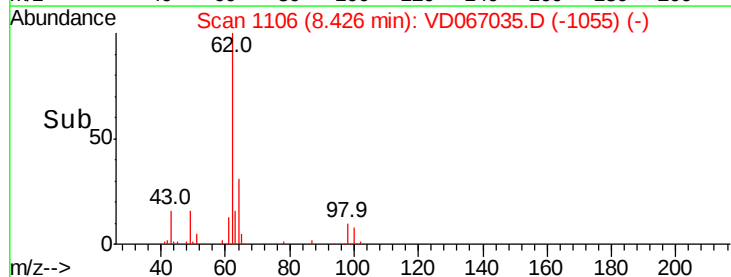
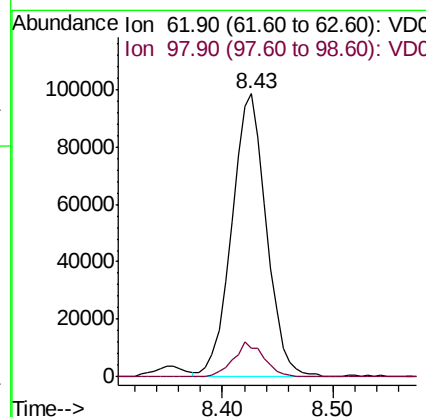
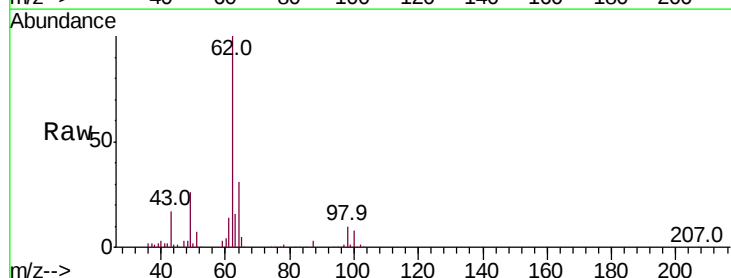
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

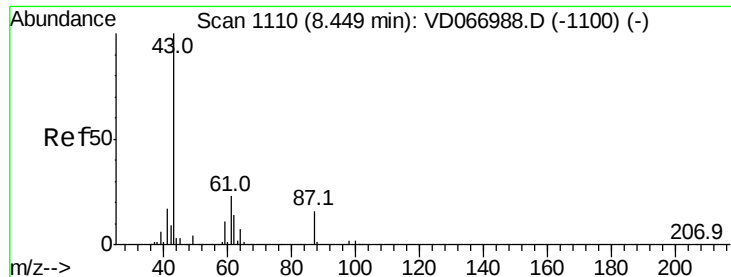
Tot Ion: 41 Resp: 36863
Ion Ratio Lower Upper
41 100
39 75.8 0.0 0.0#
67 113.6 0.0 0.0#
52 48.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.686 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion: 62 Resp: 214448
Ion Ratio Lower Upper
62 100
98 11.0 0.0 22.6





#43

Isopropyl Acetate

Concen: 44.715 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

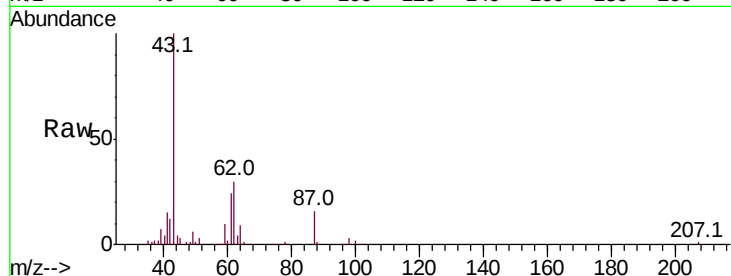
Tot Ion: 43 Resp: 161953

Ion Ratio Lower Upper

43 100

61 34.3 27.1 40.7

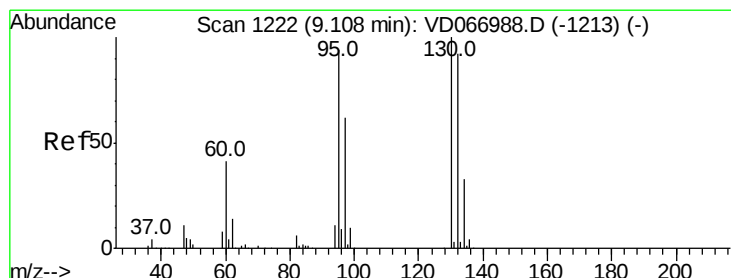
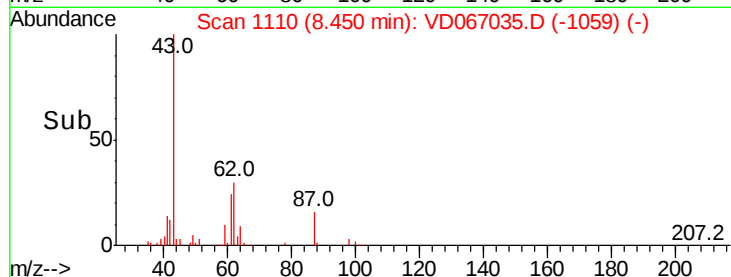
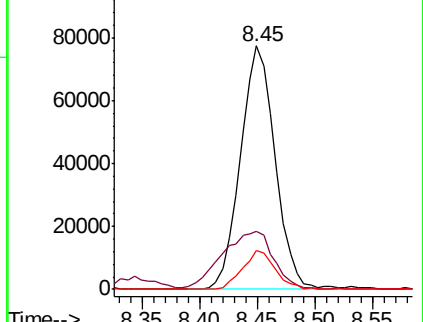
87 15.1 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.800 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067035.D

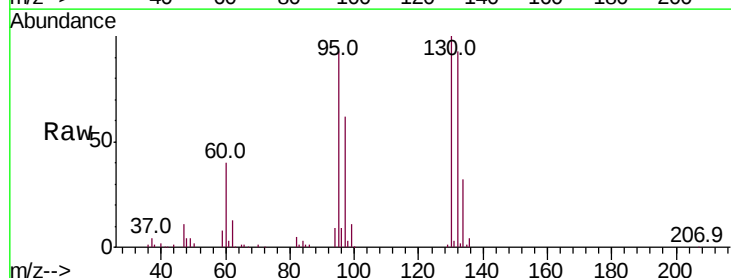
Acq: 02 Oct 2020 15:03

Tgt Ion: 130 Resp: 224997

Ion Ratio Lower Upper

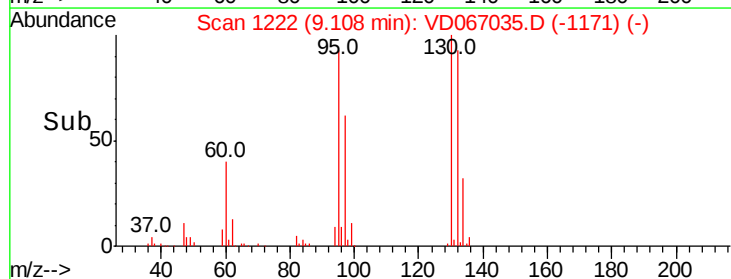
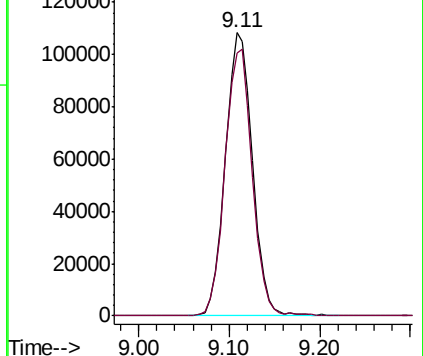
130 100

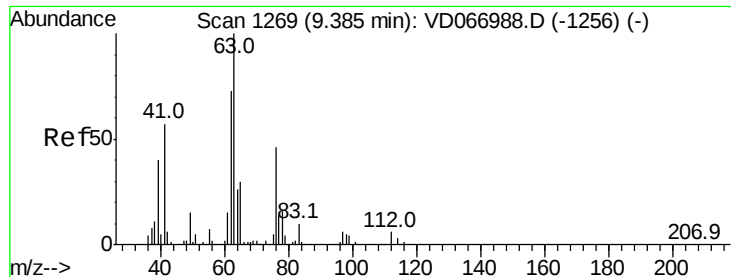
95 92.8 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.190 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

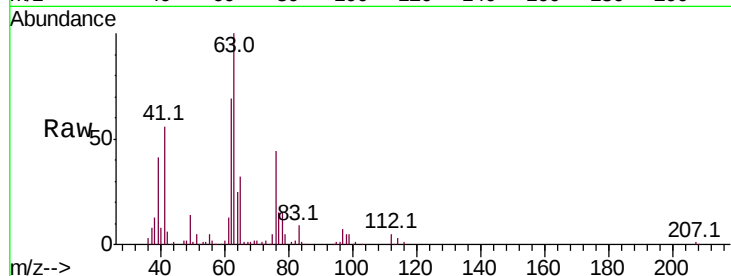
B-15(3-4)MSD

Tot Ion: 63 Resp: 193297

Ion Ratio Lower Upper

63 100

65 31.8 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

100000

80000

60000

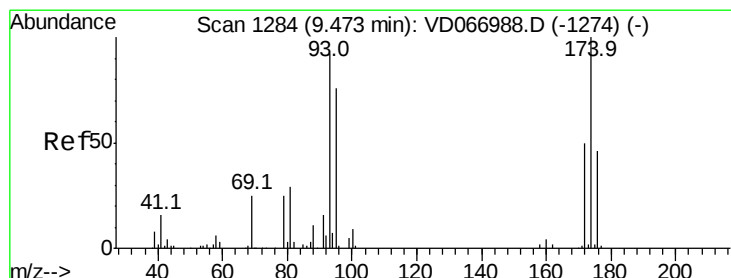
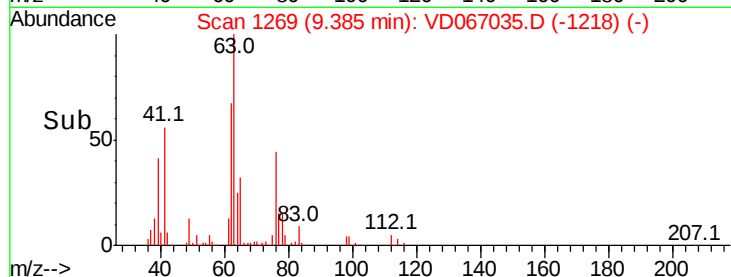
40000

20000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 47.695 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

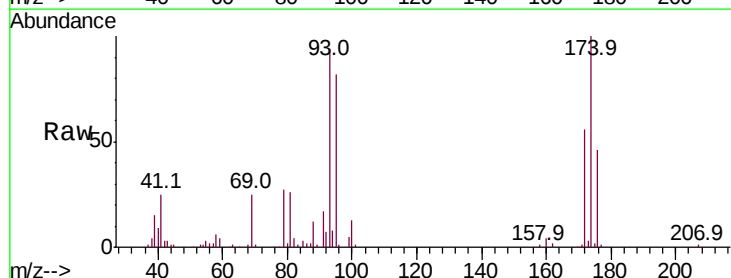
Tgt Ion: 93 Resp: 101530

Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

174 102.2 81.4 122.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

60000

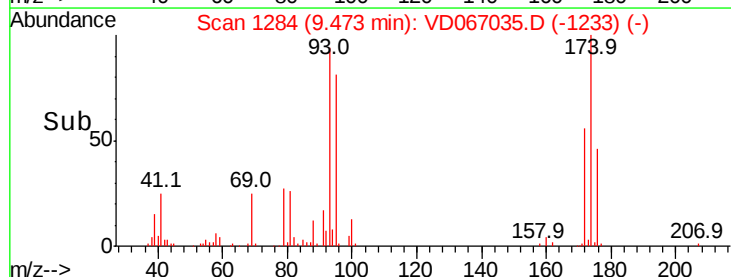
40000

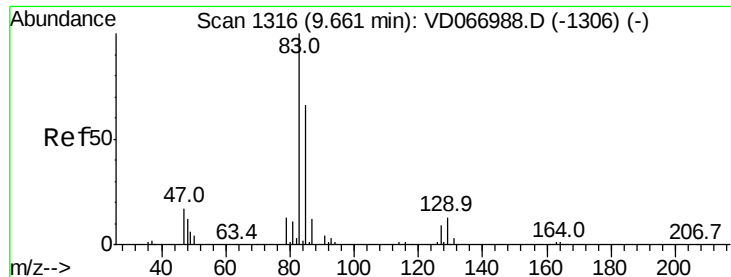
20000

0

Time-->

9.40 9.50 9.60





#47

Bromodichloromethane

Concen: 51.195 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

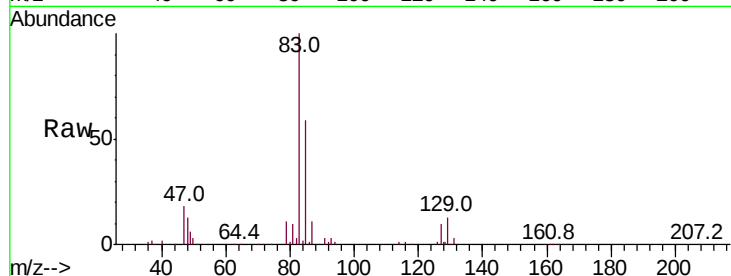
Tot Ion: 83 Resp: 283286

Ion Ratio Lower Upper

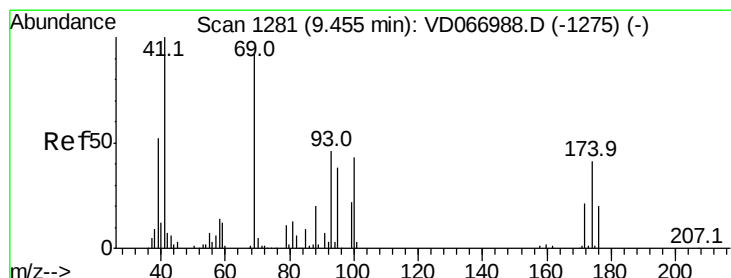
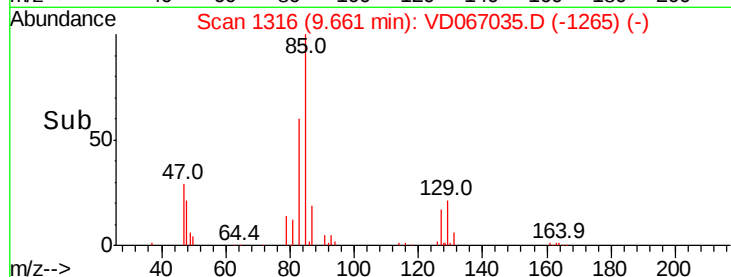
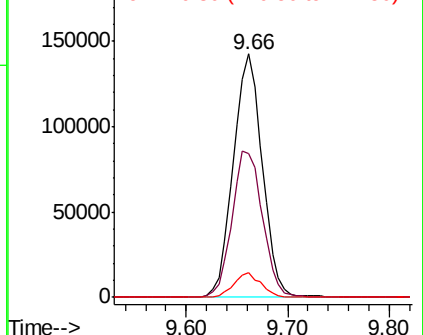
83 100

85 59.0 52.9 79.3

127 10.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 45.103 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

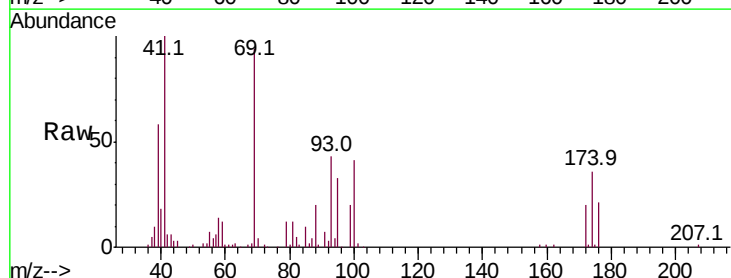
Tgt Ion: 41 Resp: 83690

Ion Ratio Lower Upper

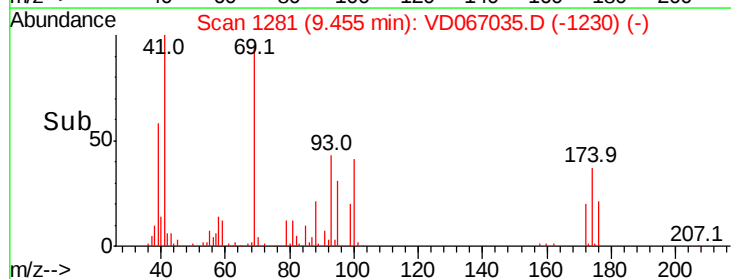
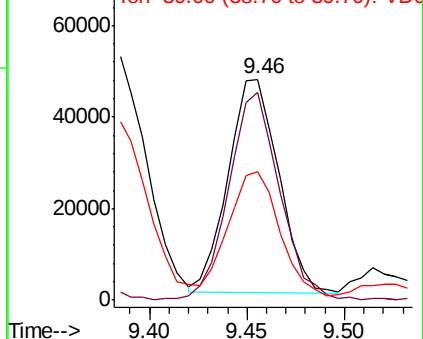
41 100

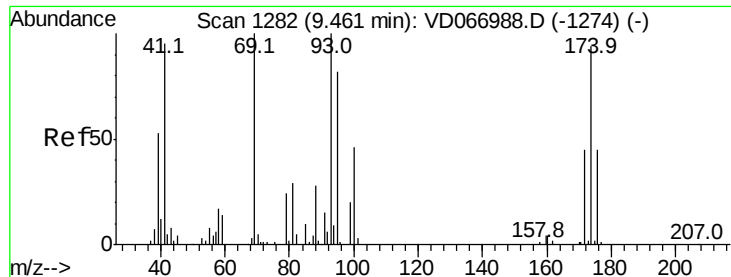
69 98.7 68.5 102.7

39 62.8 40.2 60.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

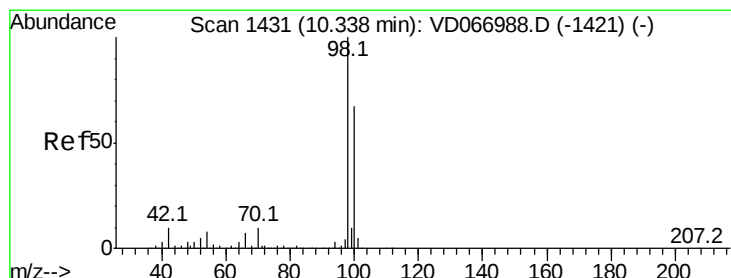
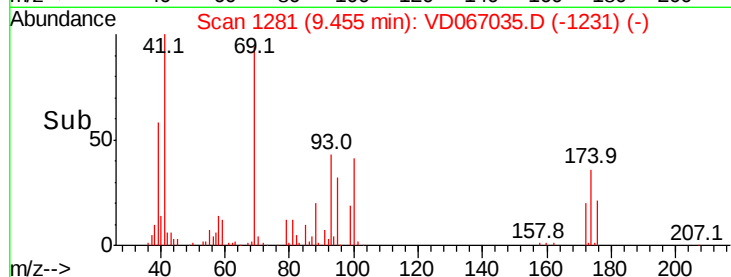
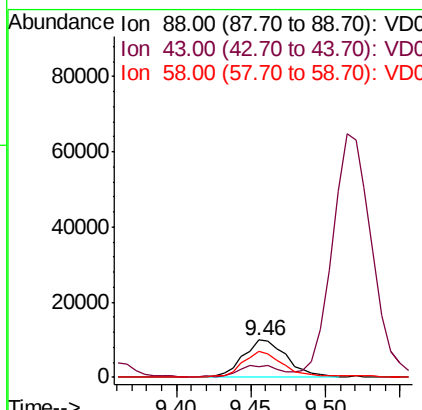
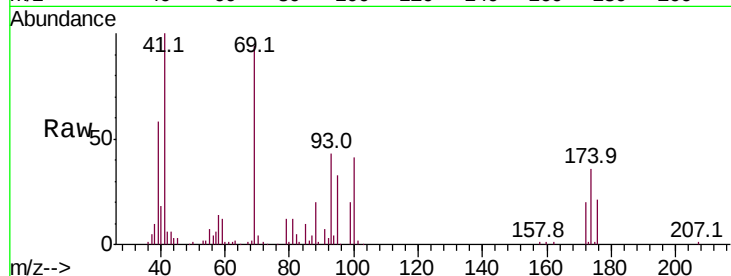




#49
 1,4-Dioxane
 Concen: 912.945 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

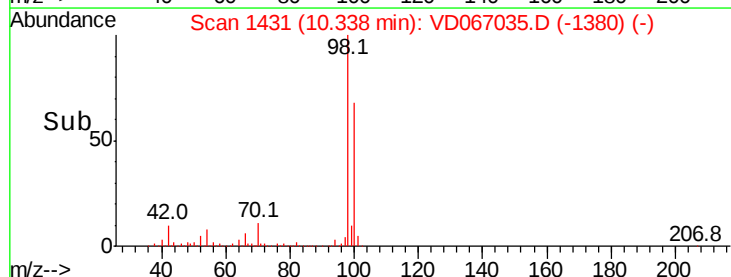
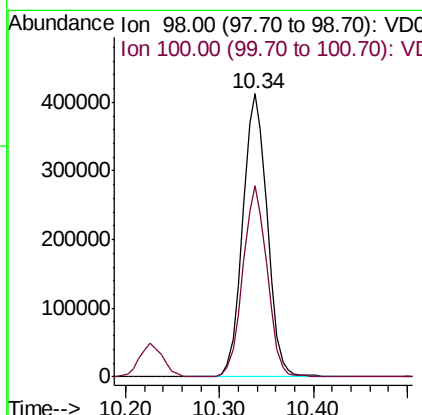
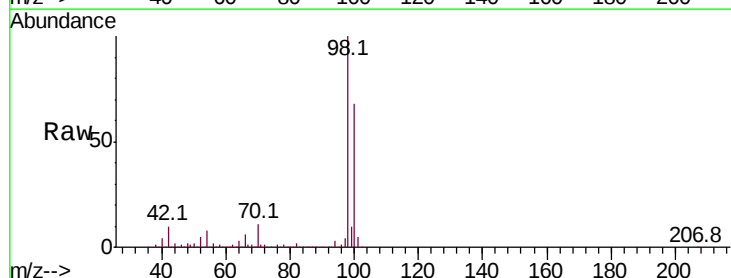
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

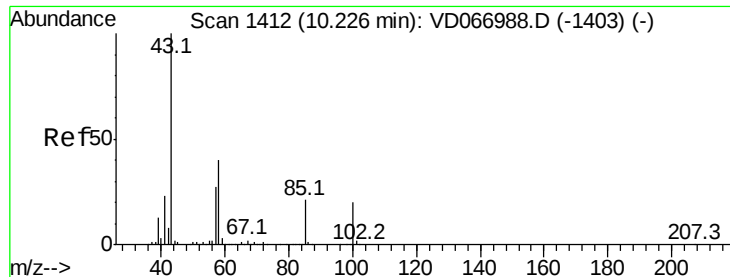
Tot Ion: 88 Resp: 20283
 Ion Ratio Lower Upper
 88 100
 43 31.9 25.6 38.4
 58 65.8 53.5 80.3



#50
 Toluene-d8
 Concen: 51.062 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 98 Resp: 741664
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 235.992 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

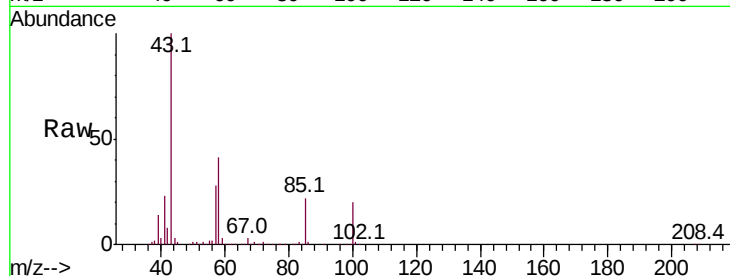
B-15(3-4)MSD

Tot Ion: 43 Resp: 425740

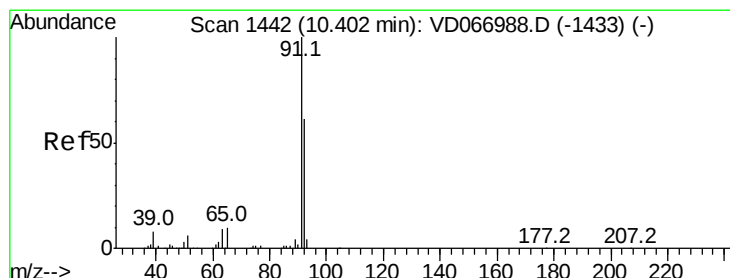
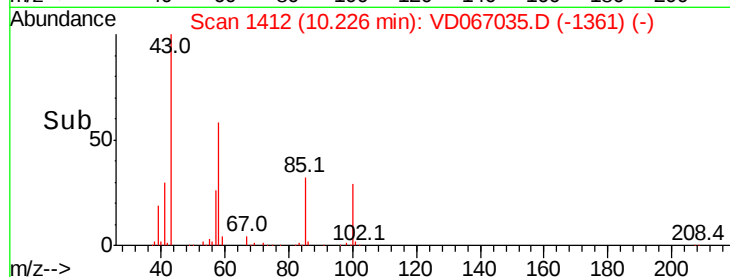
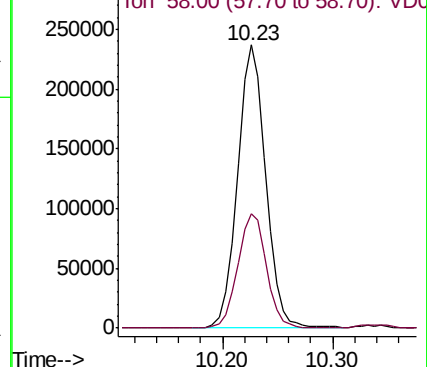
Ion Ratio Lower Upper

43 100

58 41.3 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 51.205 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067035.D

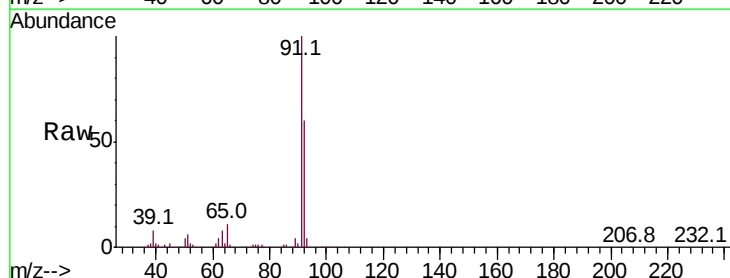
Acq: 02 Oct 2020 15:03

Tgt Ion: 92 Resp: 519942

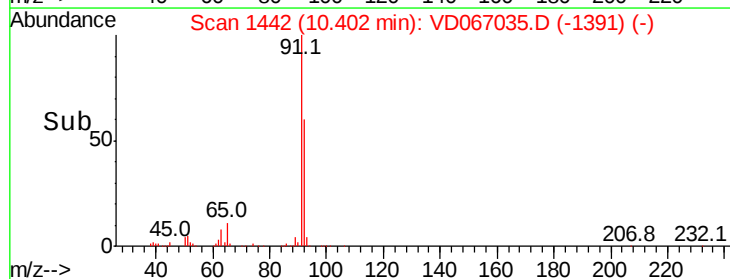
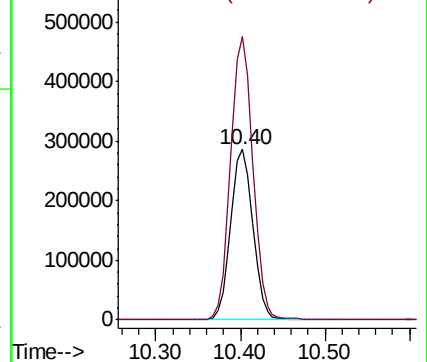
Ion Ratio Lower Upper

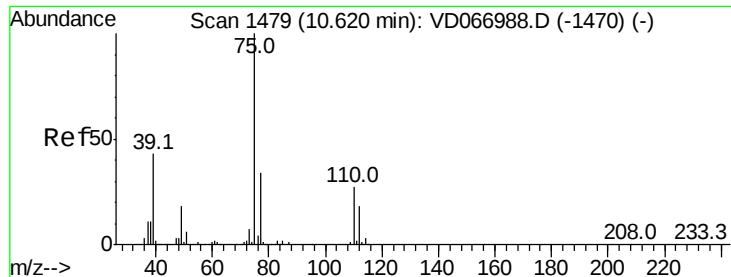
92 100

91 166.1 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

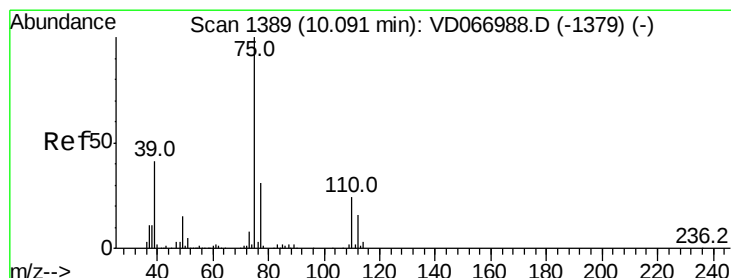
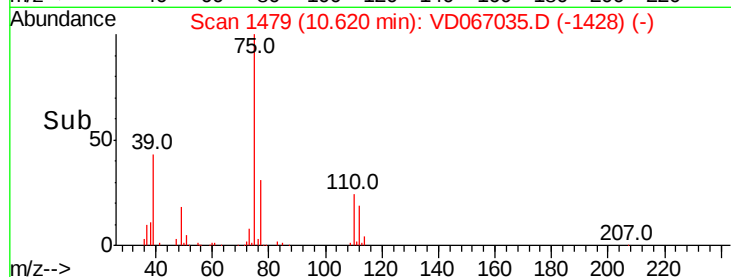
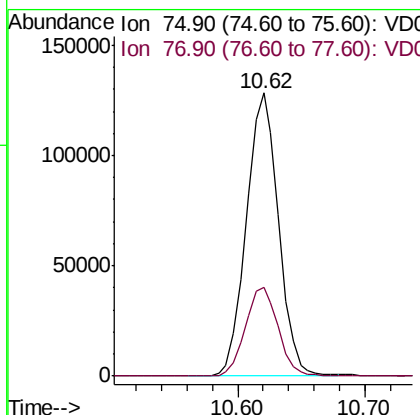
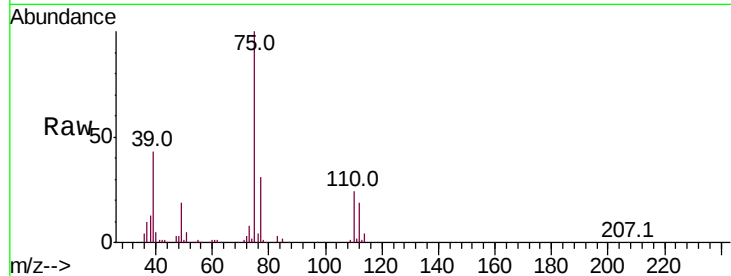




#53
t-1,3-Dichloropropene
Concen: 45.816 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

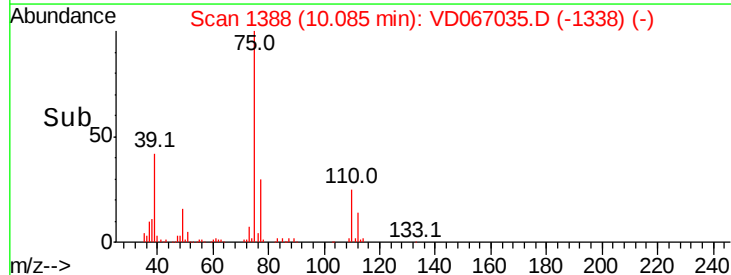
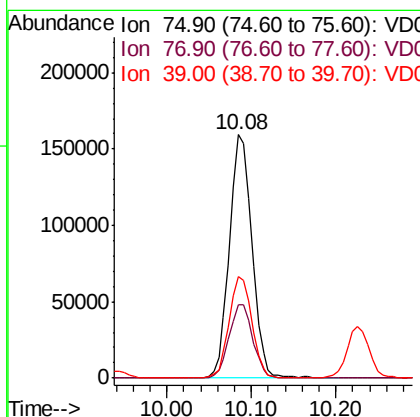
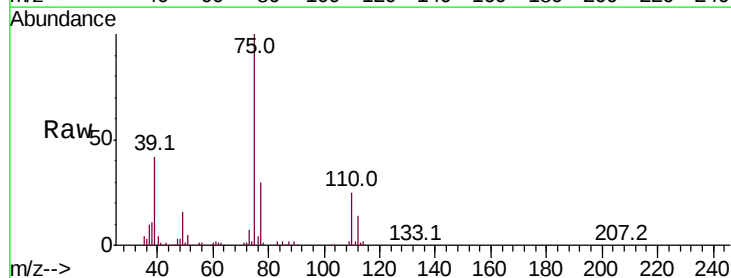
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

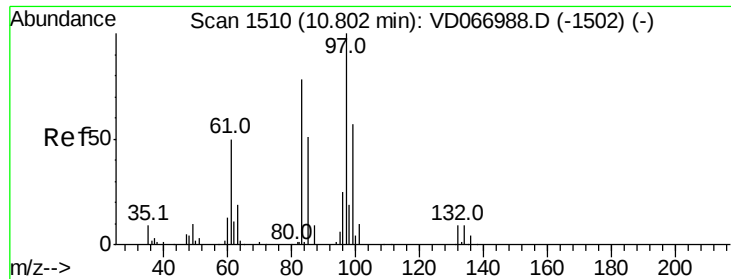
Tot Ion: 75 Resp: 226582
Ion Ratio Lower Upper
75 100
77 31.5 27.1 40.7



#54
cis-1,3-Dichloropropene
Concen: 48.363 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion: 75 Resp: 292065
Ion Ratio Lower Upper
75 100
77 30.0 24.6 37.0
39 41.2 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 48.314 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

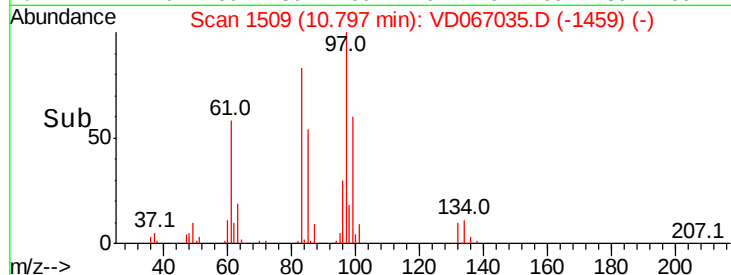
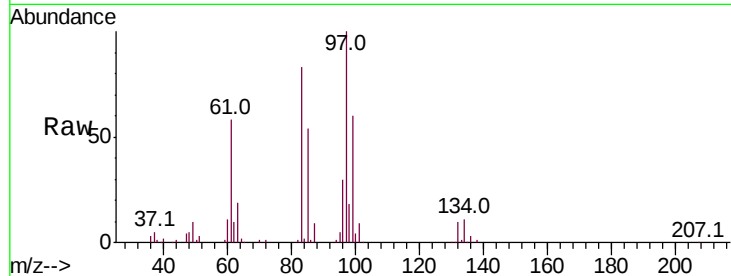
MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 97 Resp: 142990

Ion	Ratio	Lower	Upper
97	100		
83	82.8	62.4	93.6
85	53.7	41.0	61.4
99	60.5	45.9	68.9

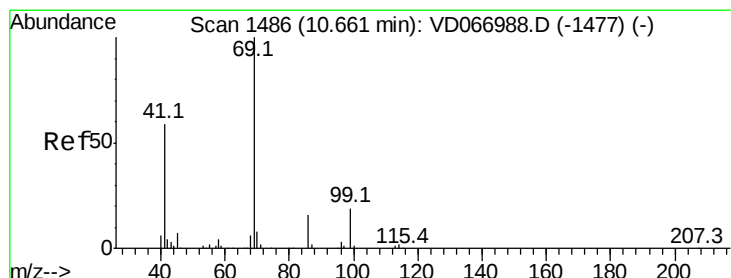


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.012 ug/l

RT: 10.66 min Scan# 1486

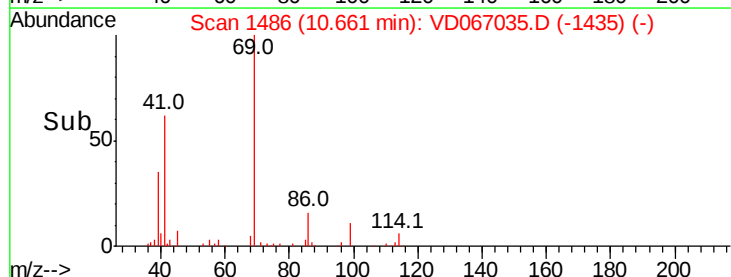
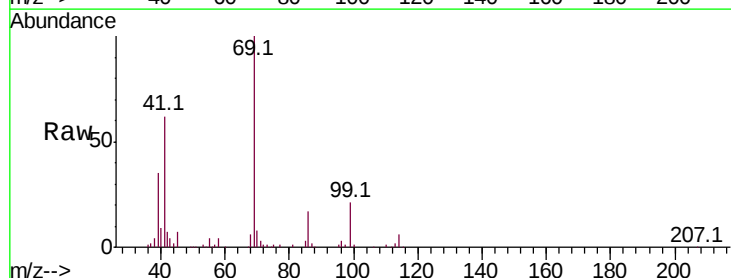
Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion: 69 Resp: 152817

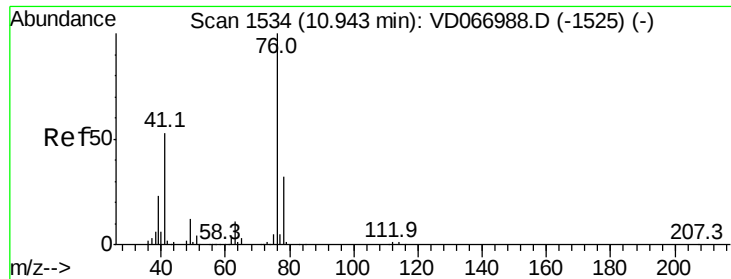
Ion	Ratio	Lower	Upper
69	100		
41	61.1	46.4	69.6
39	30.9	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#57

1,3-Dichloropropane

Concen: 49.015 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

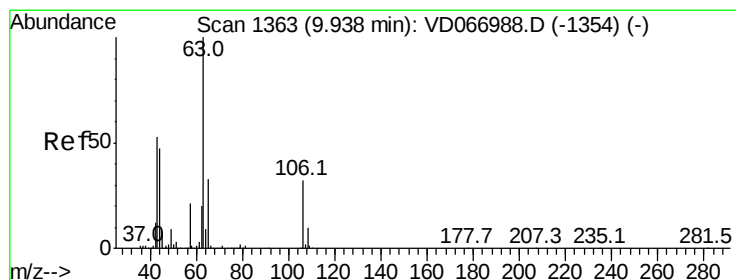
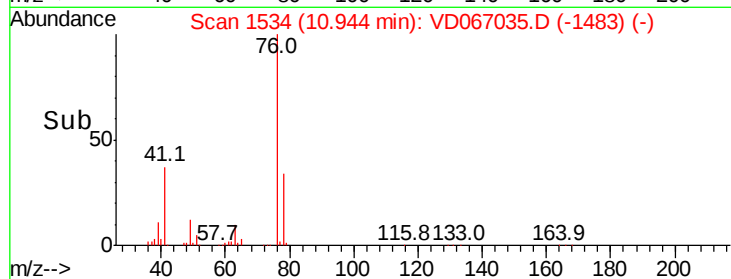
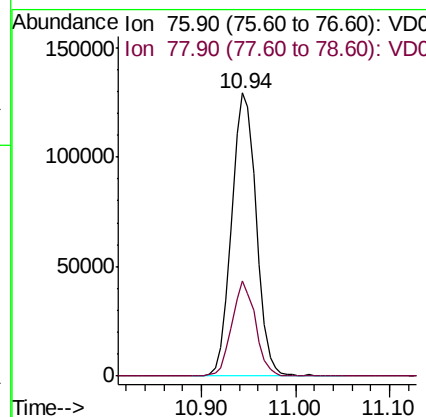
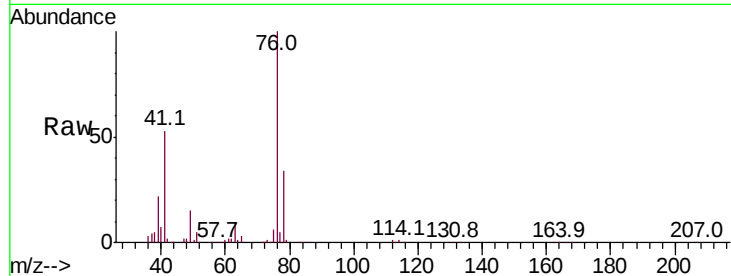
Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion: 76 Resp: 235234

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 257.245 ug/l

RT: 9.94 min Scan# 1363

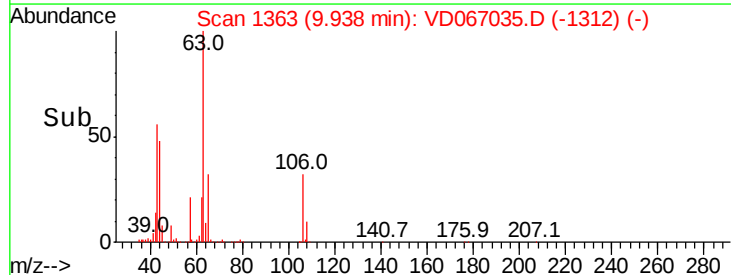
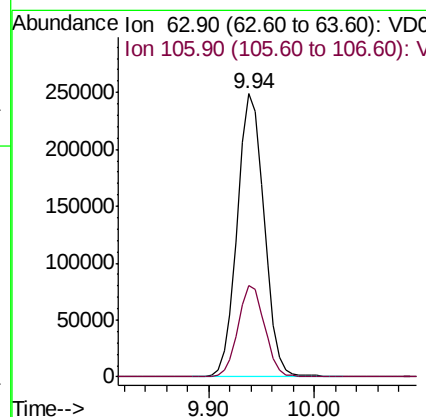
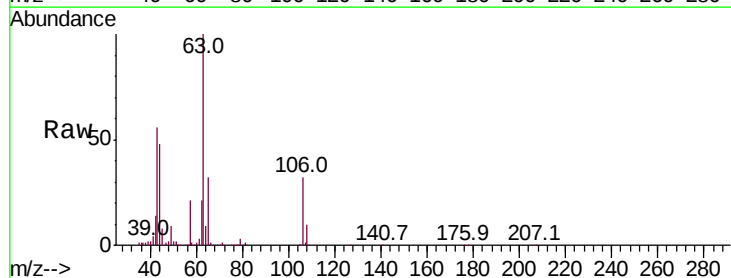
Delta R.T. 0.00 min

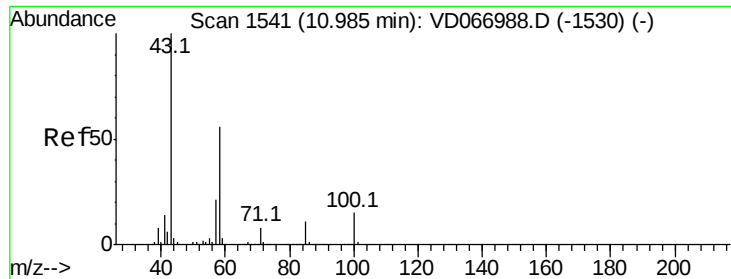
Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion: 63 Resp: 437493

Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.3	37.9





#59

2-Hexanone

Concen: 236.285 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

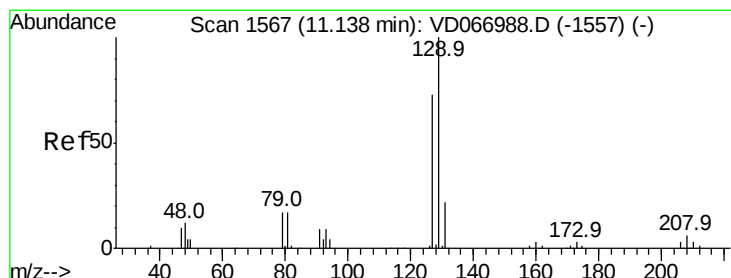
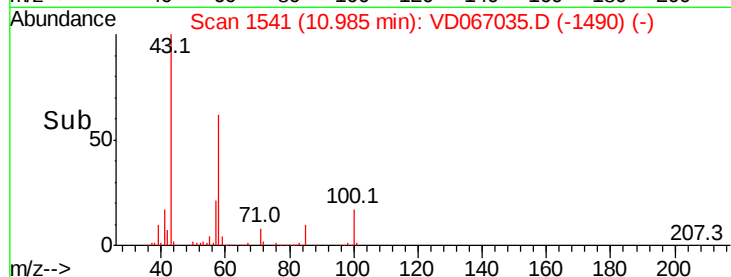
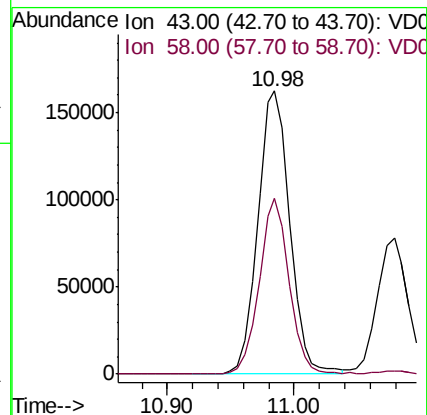
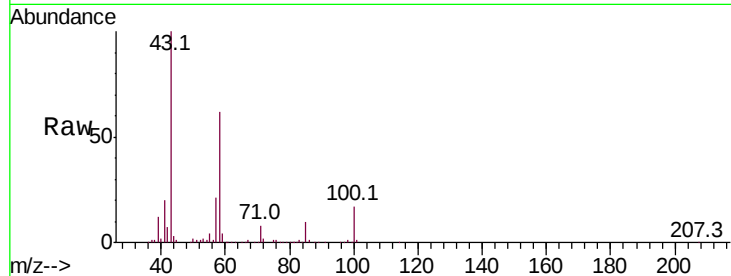
B-15(3-4)MSD

Tot Ion: 43 Resp: 284510

Ion Ratio Lower Upper

43 100

58 58.3 28.3 84.9



#60

Dibromochloromethane

Concen: 48.914 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD067035.D

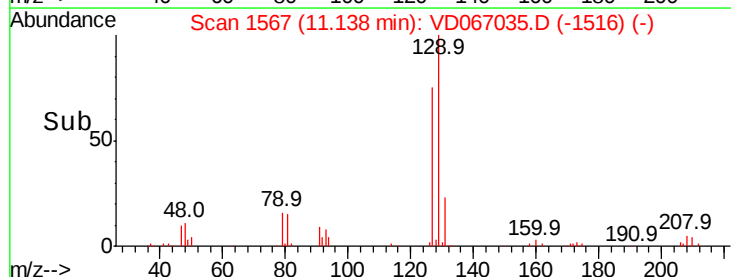
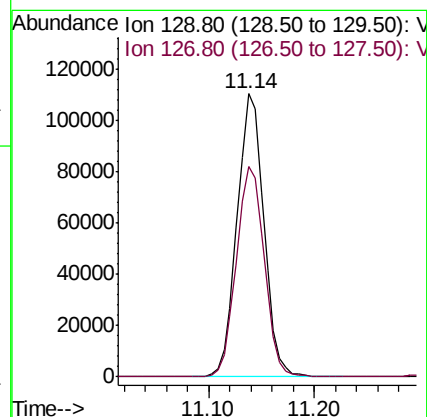
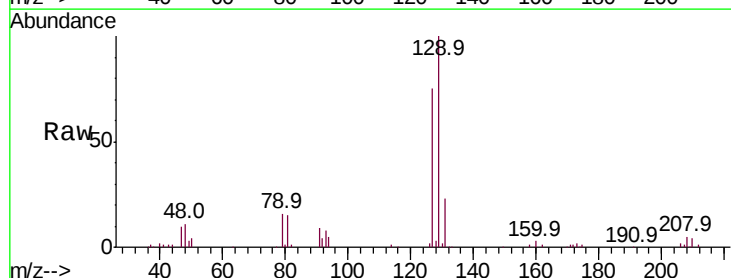
Acq: 02 Oct 2020 15:03

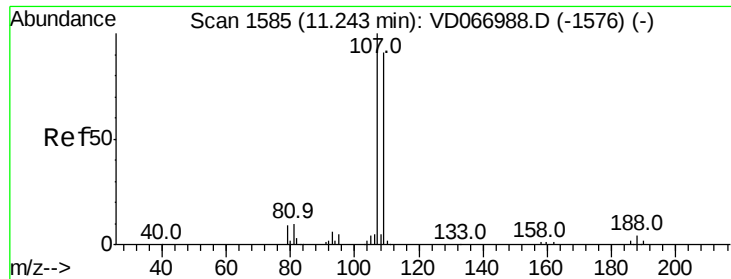
Tgt Ion: 129 Resp: 192947

Ion Ratio Lower Upper

129 100

127 77.4 37.4 112.1

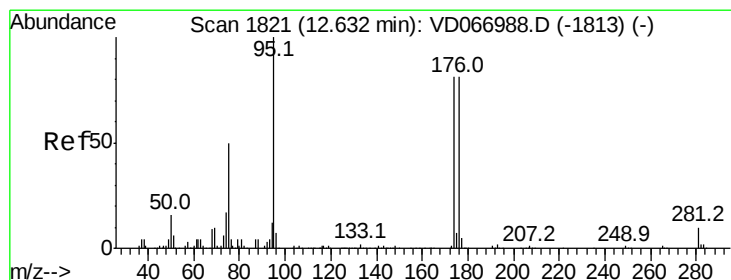
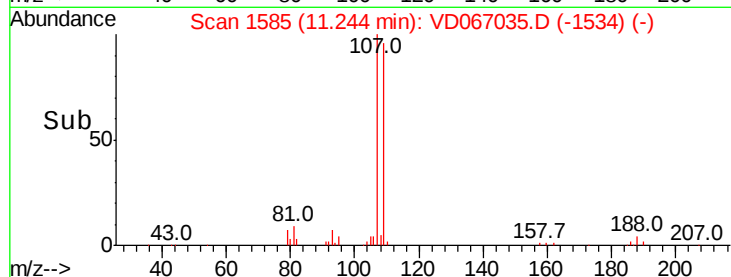
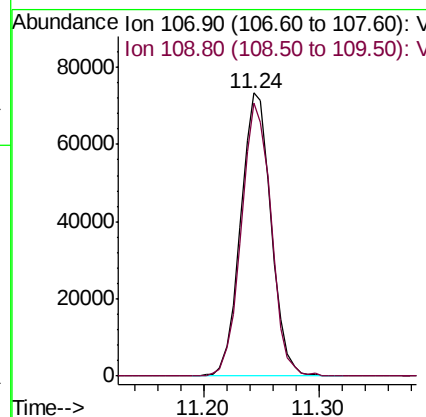
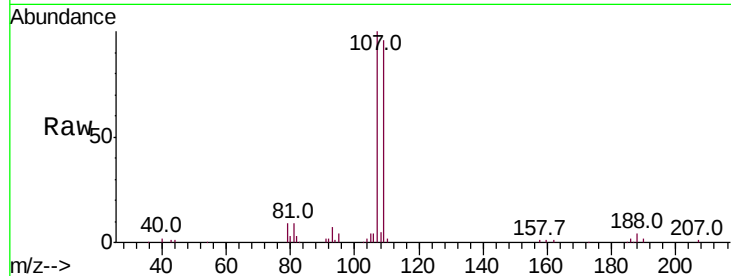




#61
 1,2-Dibromoethane
 Concen: 46.991 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

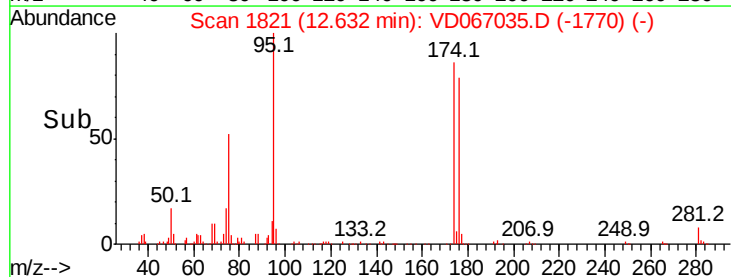
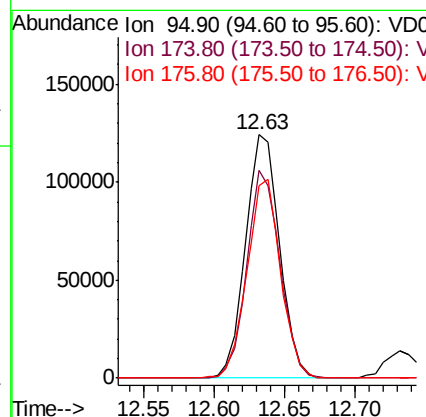
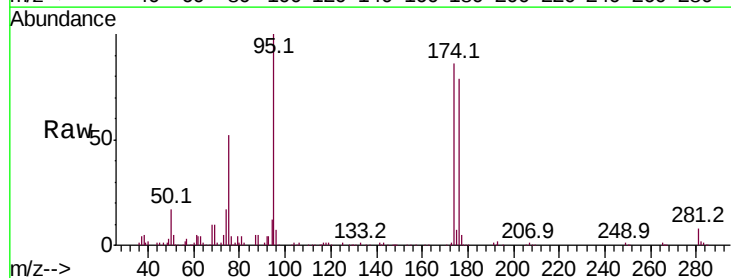
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

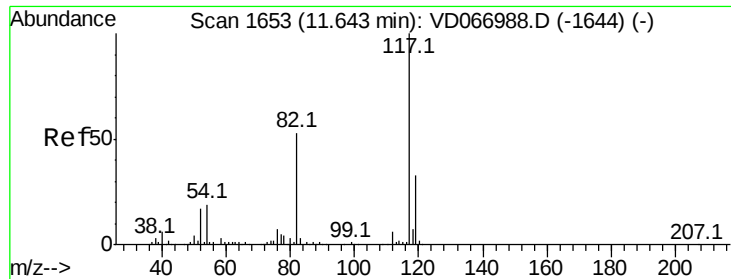
Tot Ion:107 Resp: 133611
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 42.549 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 95 Resp: 209799
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 167.6
 176 80.7 0.0 162.4

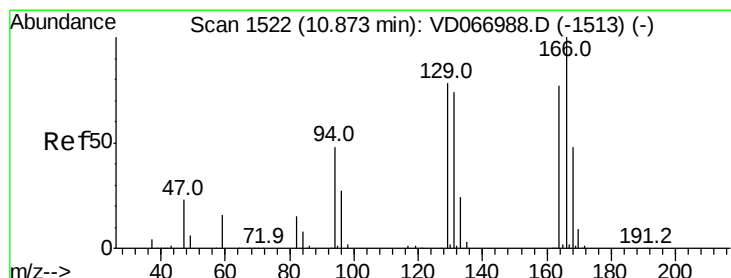
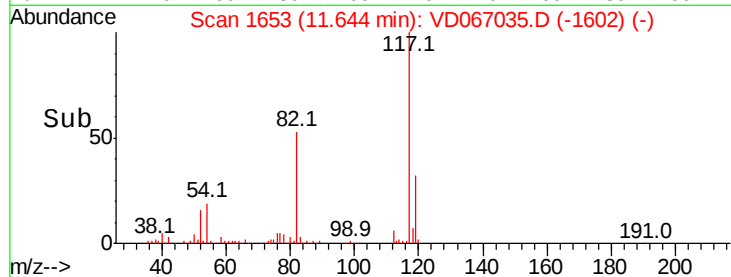
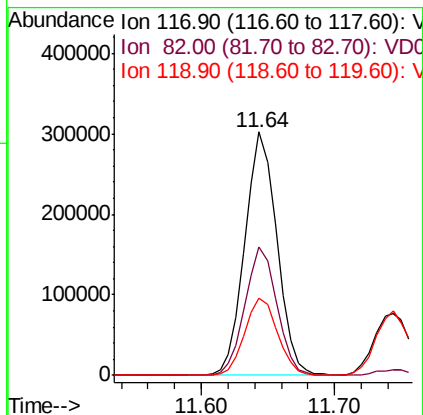
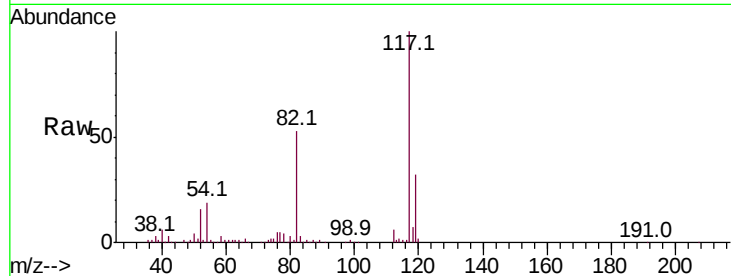




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

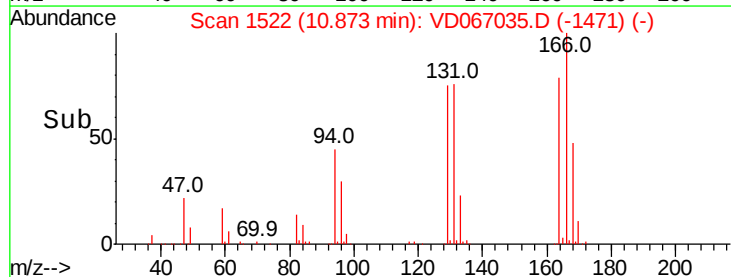
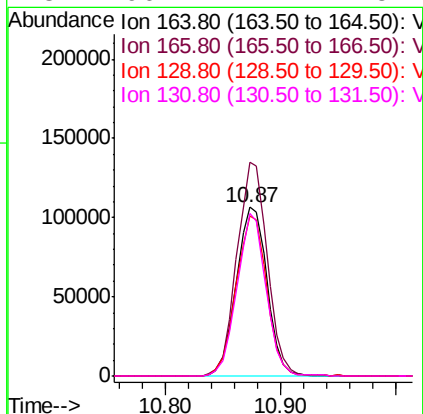
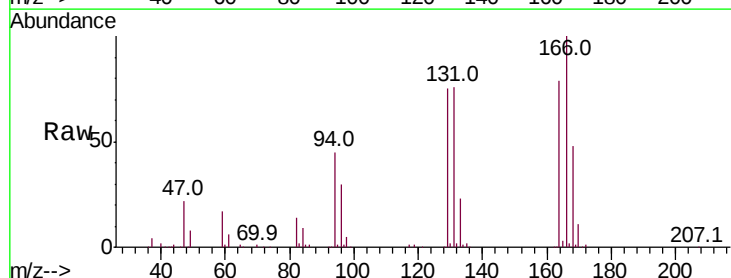
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

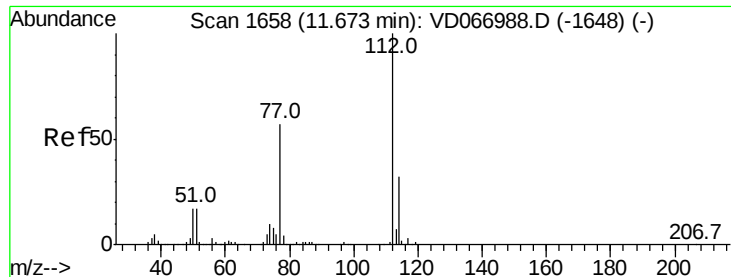
Tot Ion:117 Resp: 502120
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 53.898 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion:164 Resp: 196749
Ion Ratio Lower Upper
164 100
166 126.5 104.4 156.6
129 94.5 81.3 121.9
131 96.4 77.1 115.7

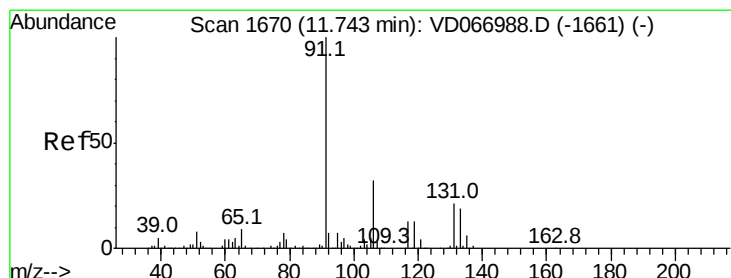
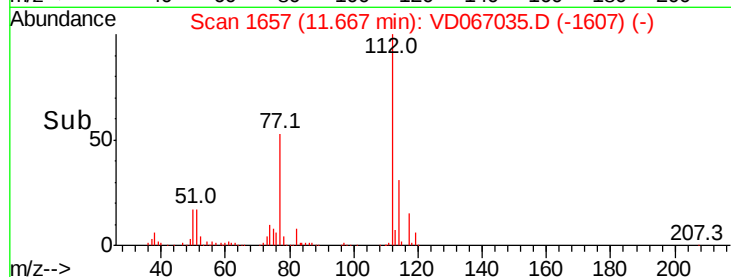
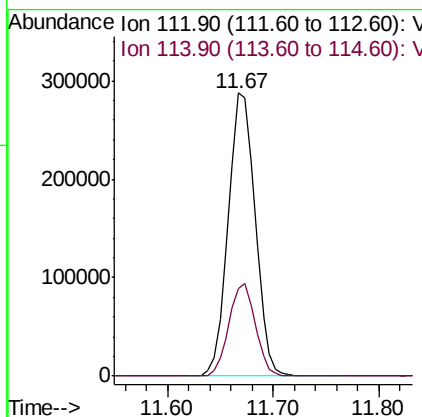
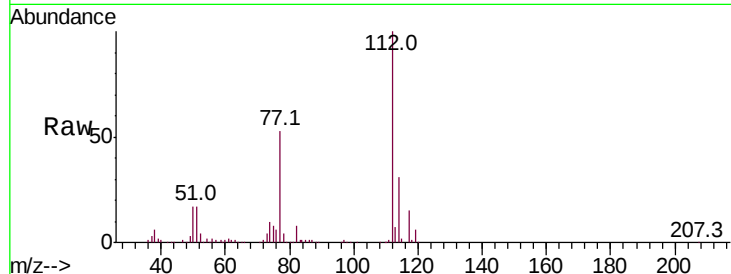




#65
Chlorobenzene
Concen: 50.842 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

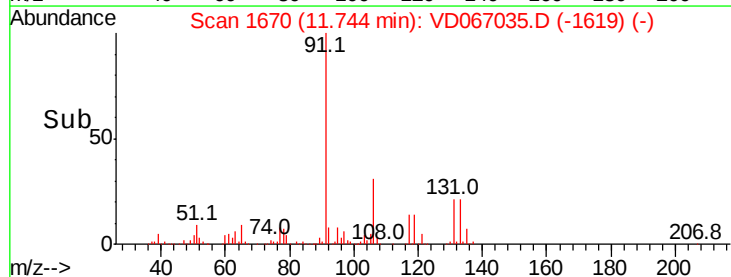
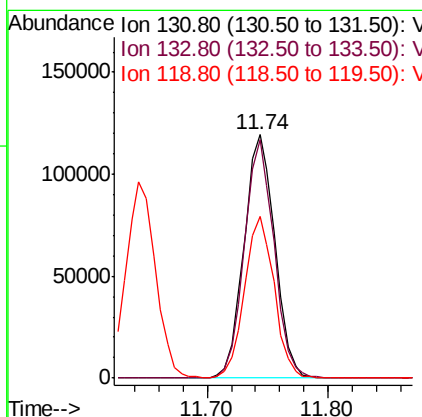
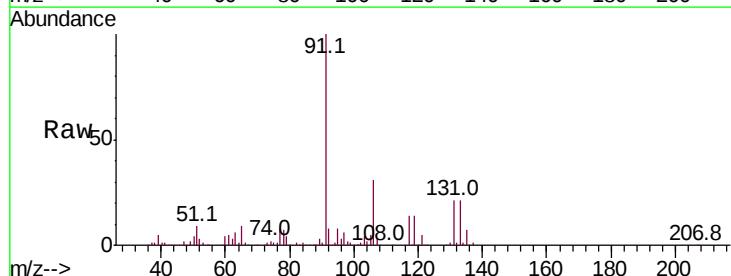
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

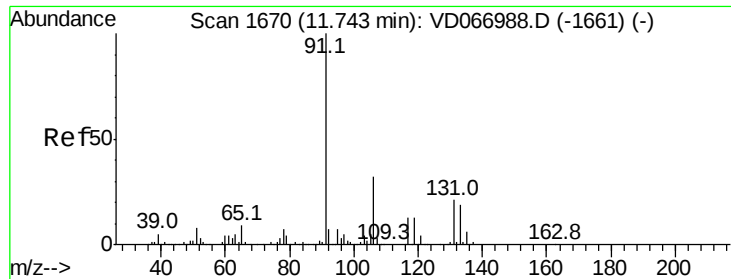
Tot Ion:112 Resp: 507736
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.059 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion:131 Resp: 212953
Ion Ratio Lower Upper
131 100
133 94.1 47.8 143.3
119 63.9 32.3 96.8





#67

Ethyl Benzene

Concen: 52.926 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

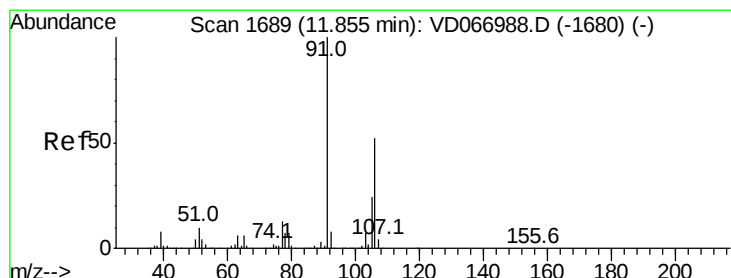
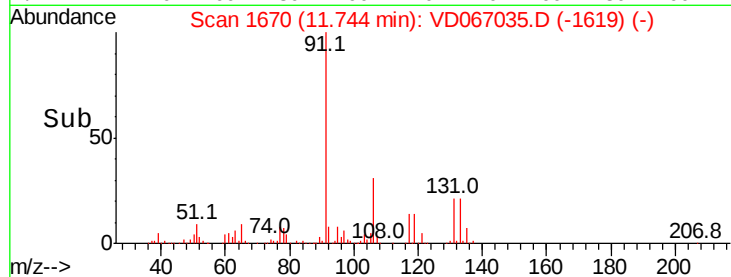
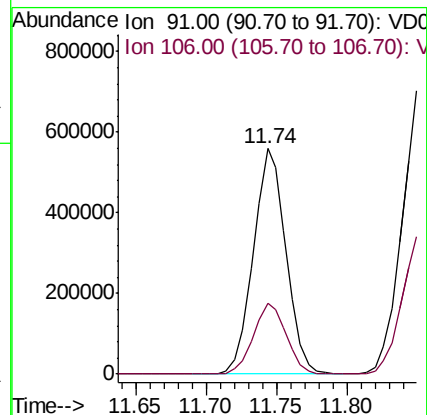
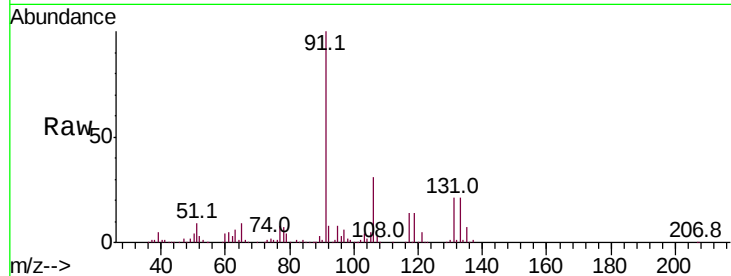
B-15(3-4)MSD

Tot Ion: 91 Resp: 905612

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2



#68

m/p-Xylenes

Concen: 104.557 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067035.D

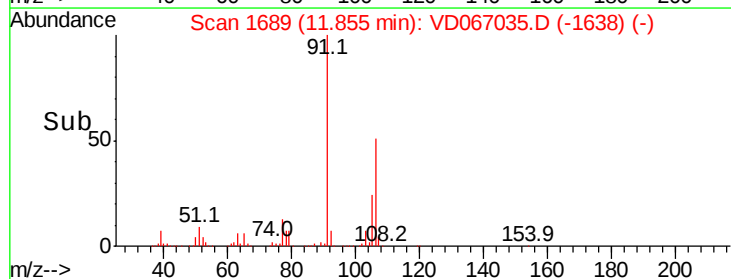
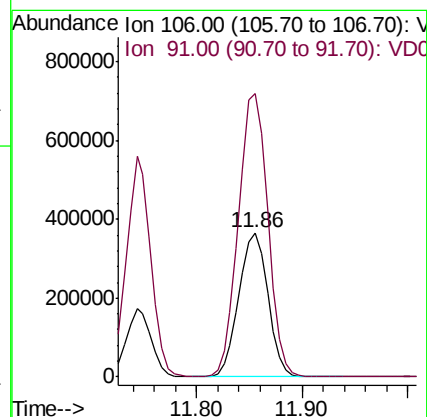
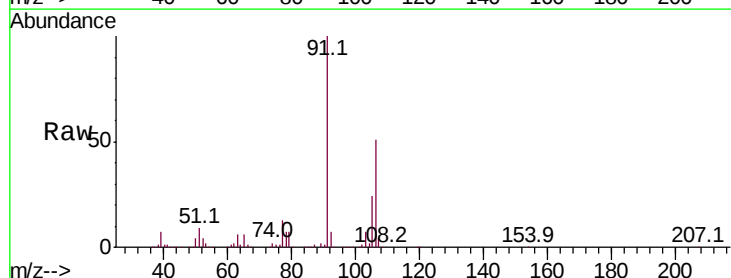
Acq: 02 Oct 2020 15:03

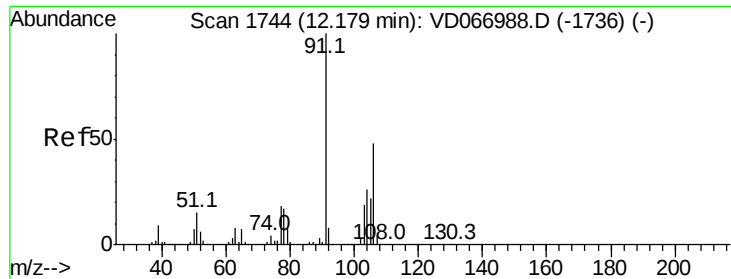
Tgt Ion: 106 Resp: 697224

Ion Ratio Lower Upper

106 100

91 199.3 158.4 237.6

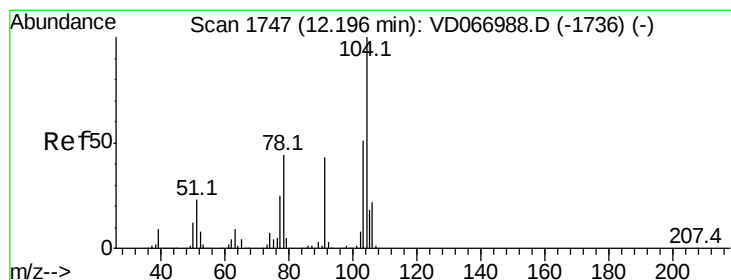
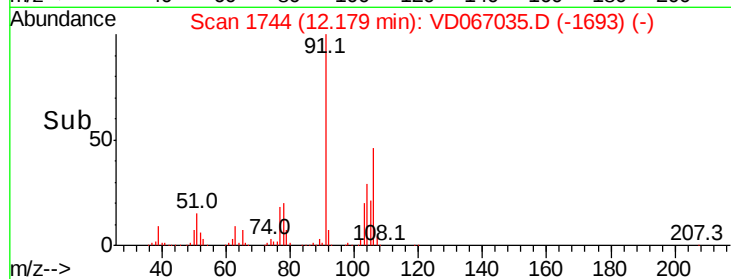
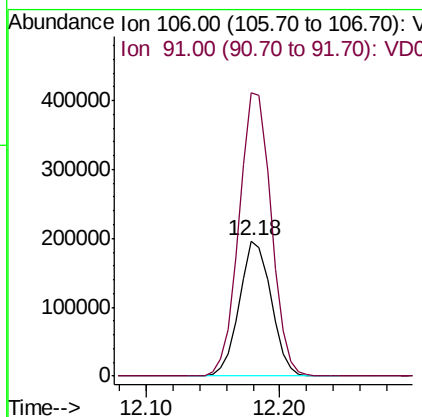
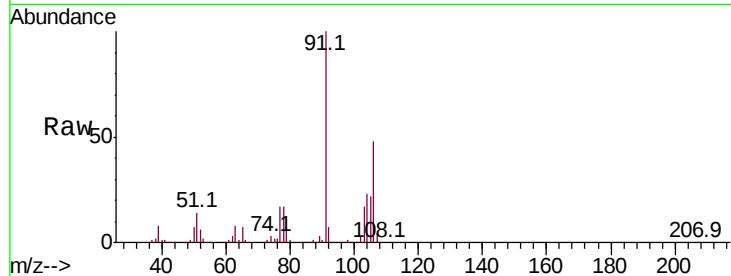




#69
o-Xylene
Concen: 54.393 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

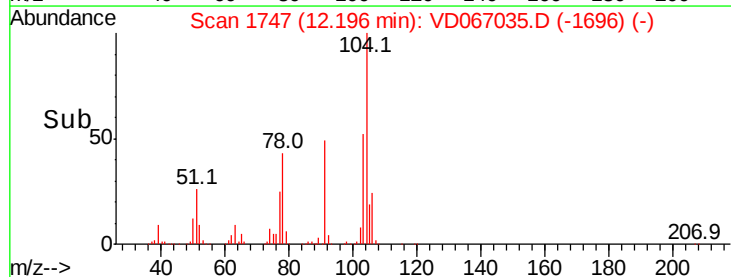
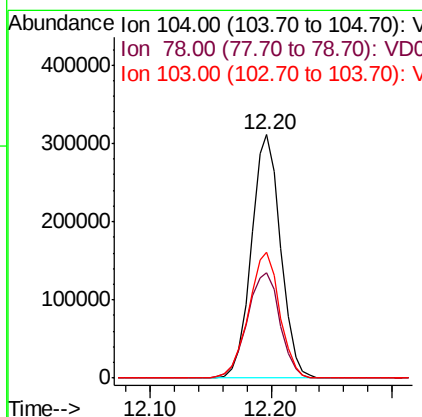
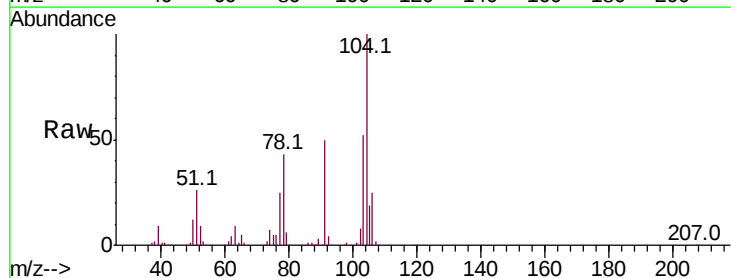
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

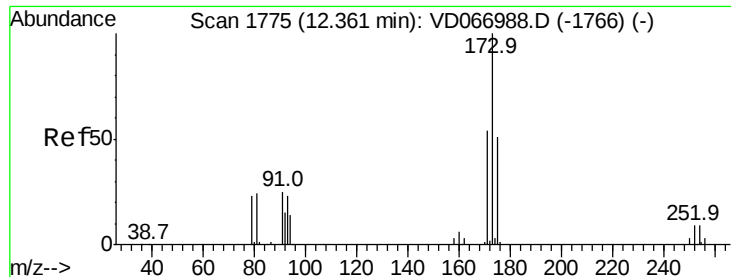
Tot Ion:106 Resp: 324359
Ion Ratio Lower Upper
106 100
91 212.0 102.4 307.2



#70
Styrene
Concen: 51.044 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion:104 Resp: 522678
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.2 43.4 65.0





#71

Bromoform

Concen: 52.857 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

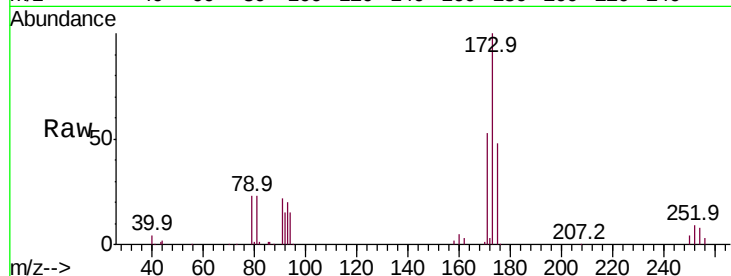
Tot Ion:173 Resp: 104226

Ion Ratio Lower Upper

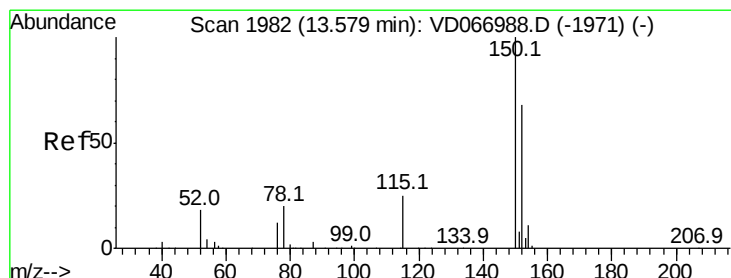
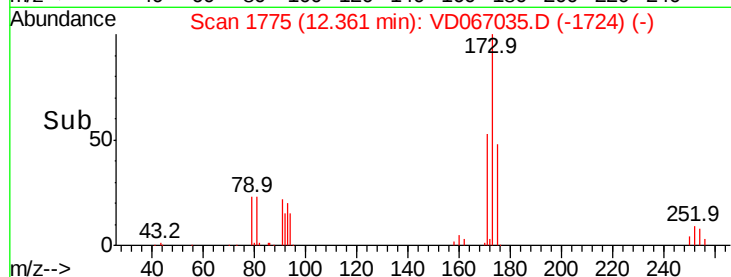
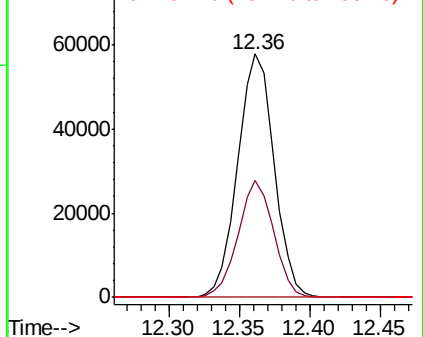
173 100

175 46.9 24.9 74.7

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

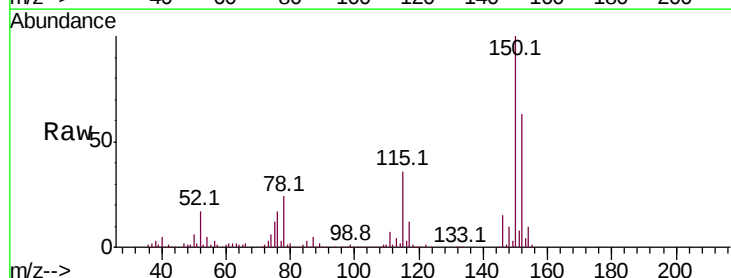
Tgt Ion:152 Resp: 193705

Ion Ratio Lower Upper

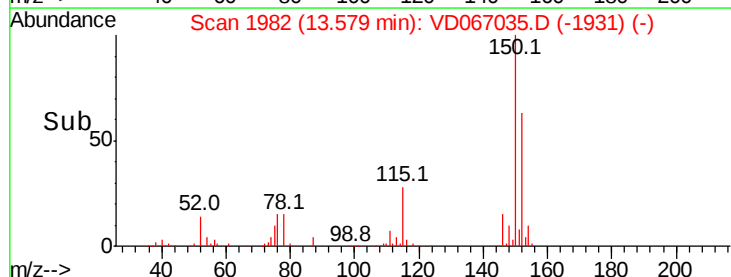
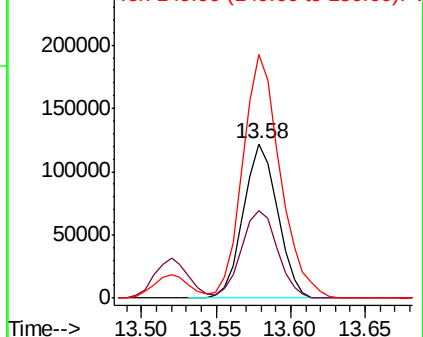
152 100

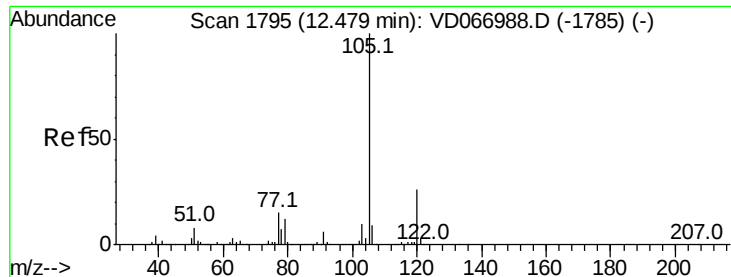
115 60.0 29.6 88.8

150 173.0 0.0 344.8



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





#73

Isopropylbenzene

Concen: 63.497 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

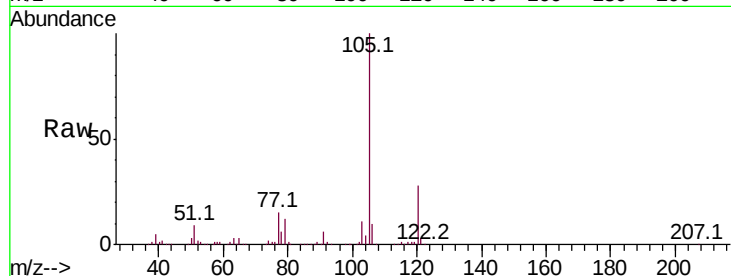
B-15(3-4)MSD

Tot Ion:105 Resp: 835168

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

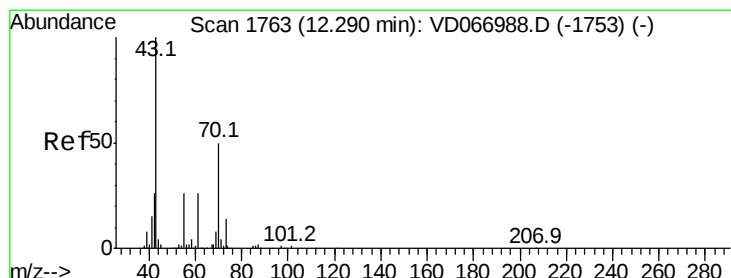
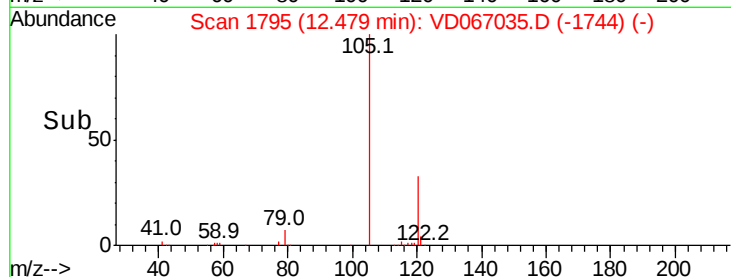
200000

100000

0

12.40 12.48 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 58.349 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion: 43 Resp: 137963

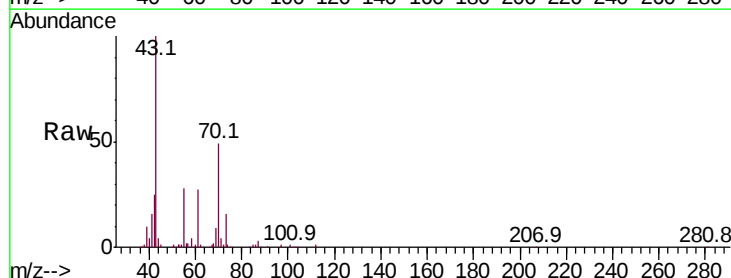
Ion Ratio Lower Upper

43 100

70 49.5 38.2 57.2

55 28.7 22.4 33.6

61 26.1 20.6 31.0



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

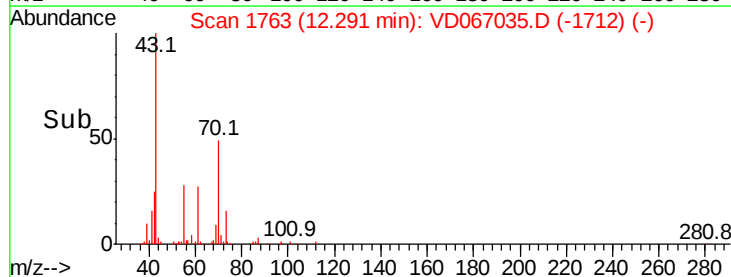
100000

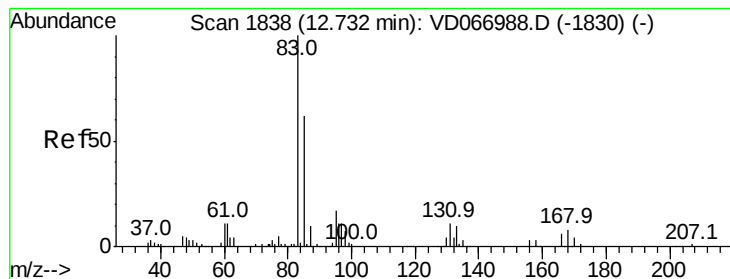
50000

0

12.20 12.25 12.29 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 61.207 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

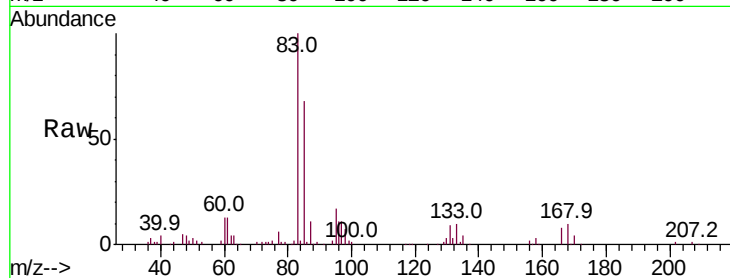
Tot Ion: 83 Resp: 135639

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.0

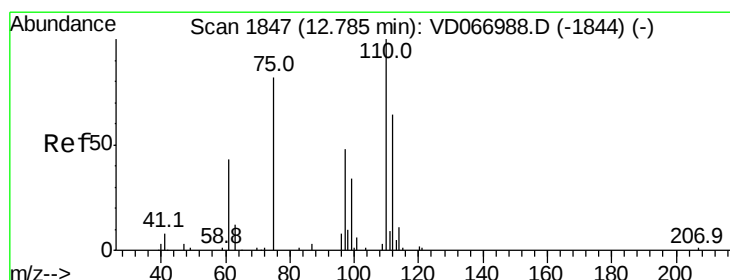
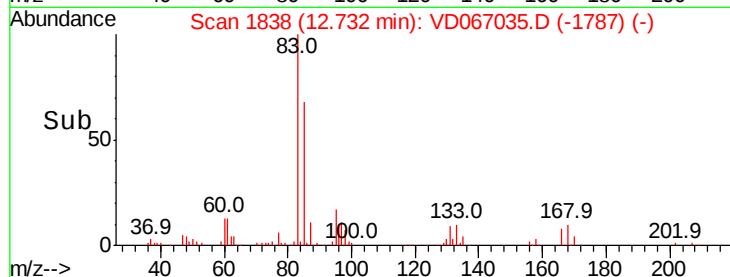
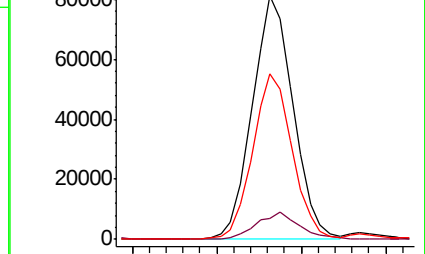
85 66.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 102.292 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067035.D

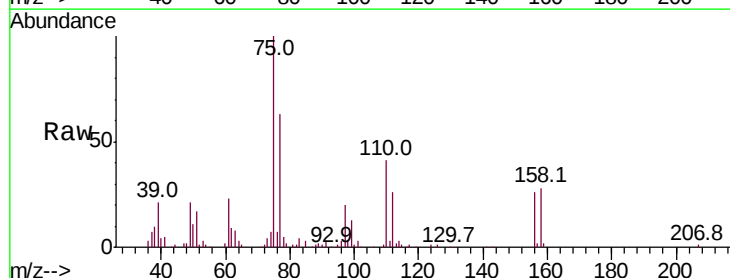
Acq: 02 Oct 2020 15:03

Tgt Ion: 75 Resp: 172591

Ion Ratio Lower Upper

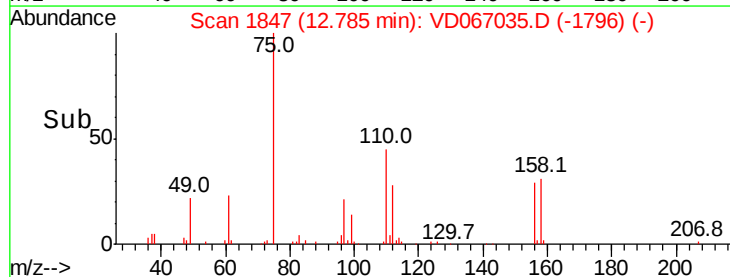
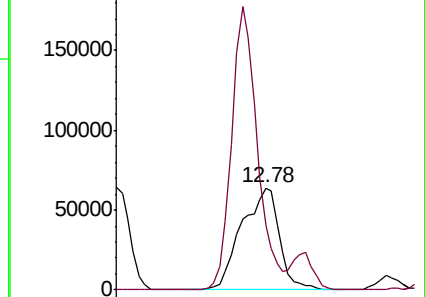
75 100

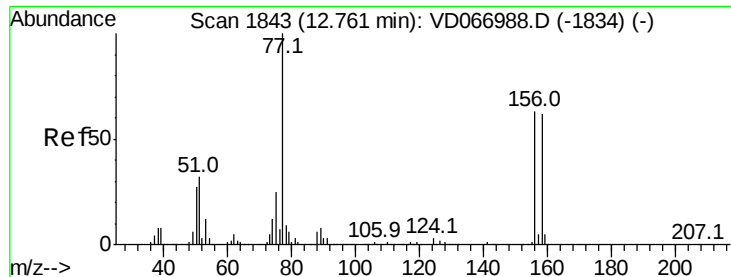
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 60.683 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

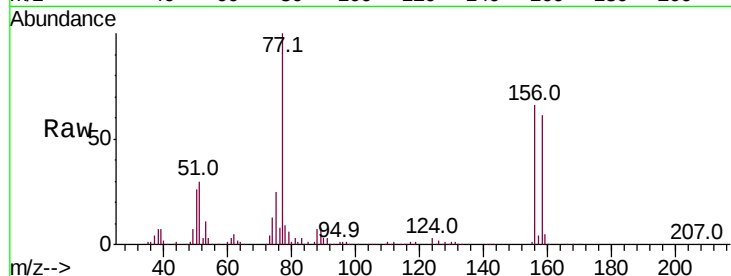
Tot Ion:156 Resp: 192724

Ion Ratio Lower Upper

156 100

77 168.7 86.3 258.8

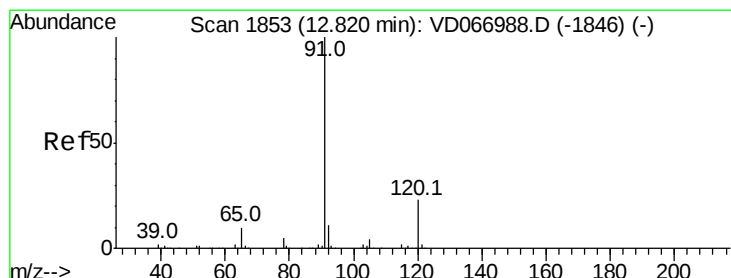
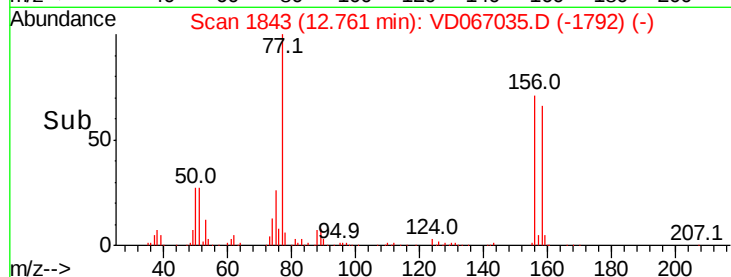
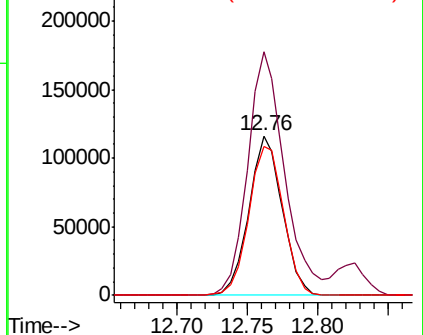
158 97.1 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.566 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067035.D

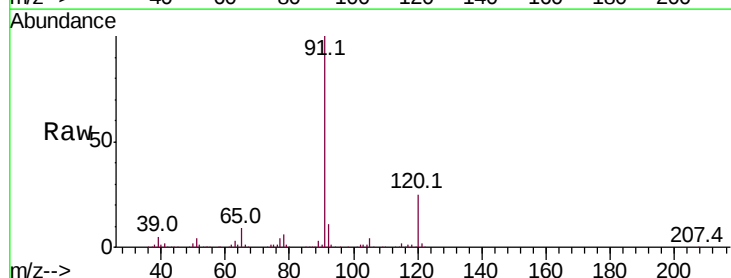
Acq: 02 Oct 2020 15:03

Tgt Ion: 91 Resp: 894835

Ion Ratio Lower Upper

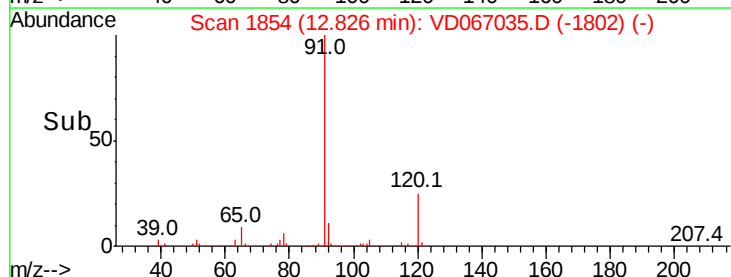
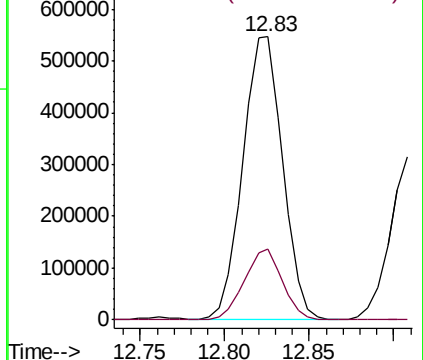
91 100

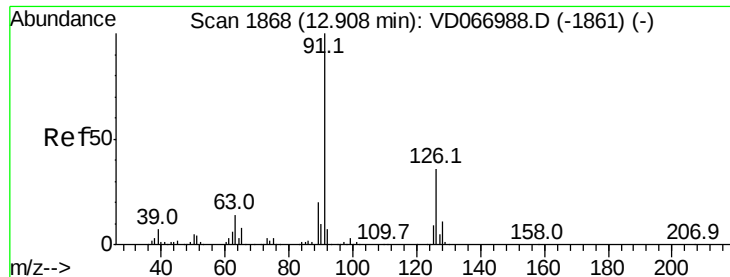
120 23.9 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

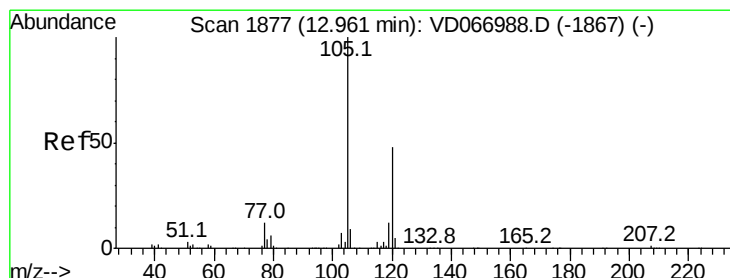
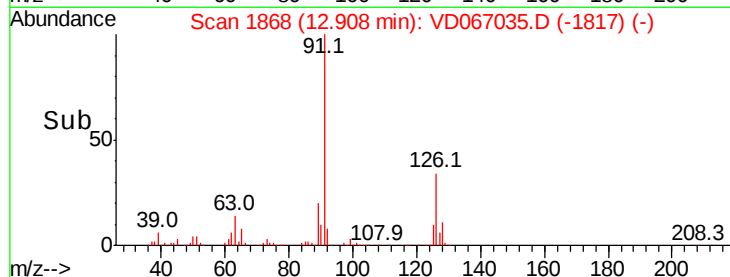
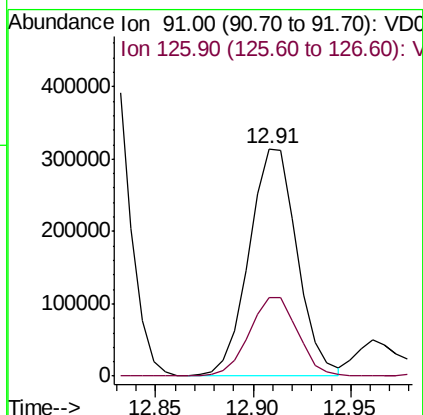
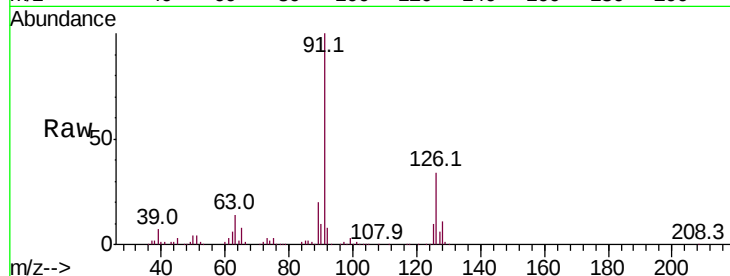




#79
2-Chlorotoluene
Concen: 60.104 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

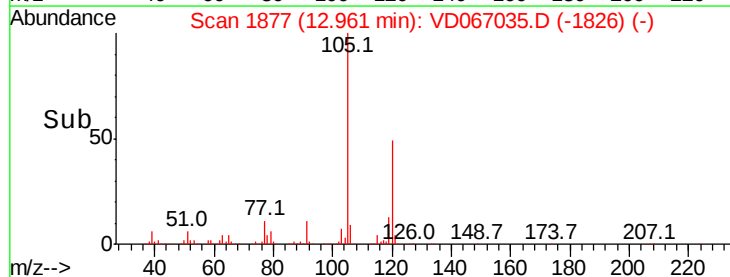
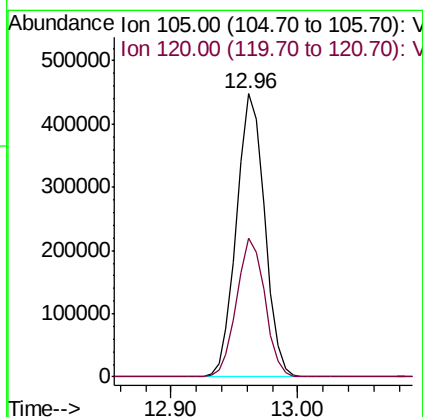
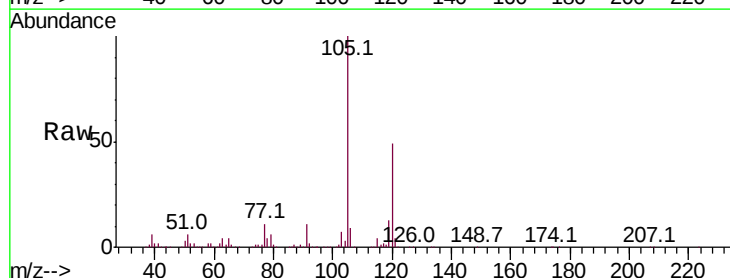
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

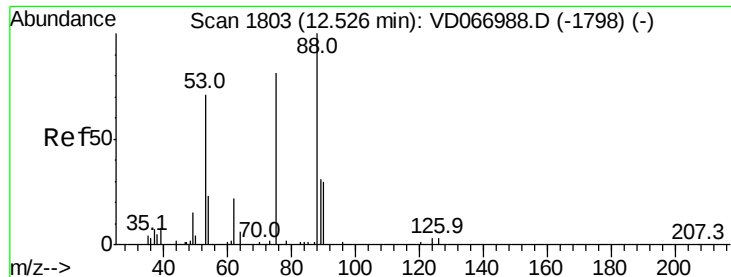
Tot Ion: 91 Resp: 534540
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 61.904 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion: 105 Resp: 687915
Ion Ratio Lower Upper
105 100
120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.951 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

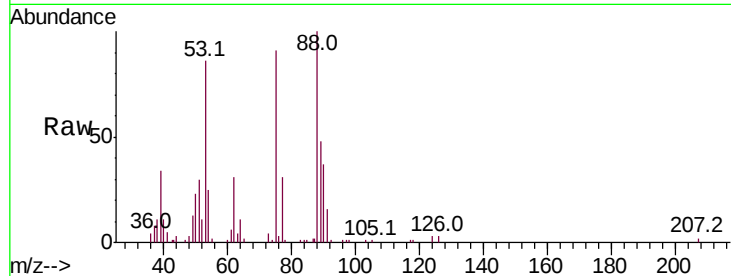
Tot Ion: 75 Resp: 40572

Ion Ratio Lower Upper

75 100

53 90.1 73.8 110.6

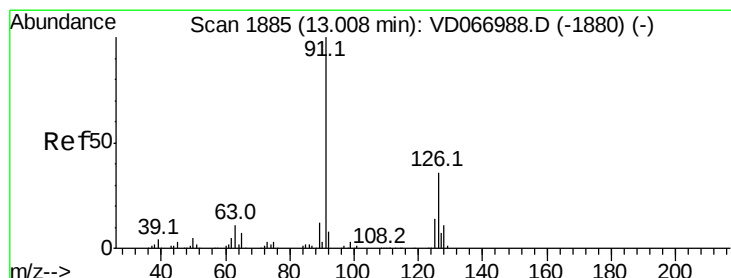
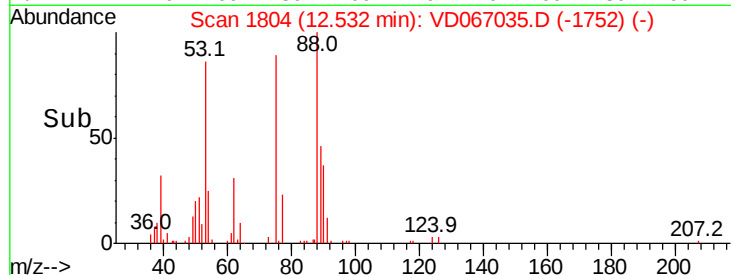
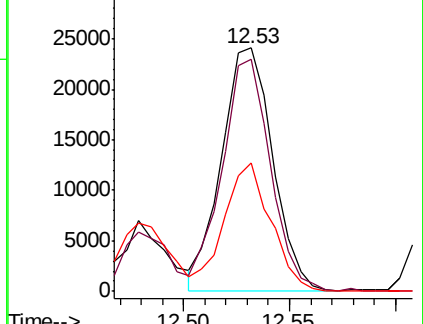
89 48.3 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 55.519 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067035.D

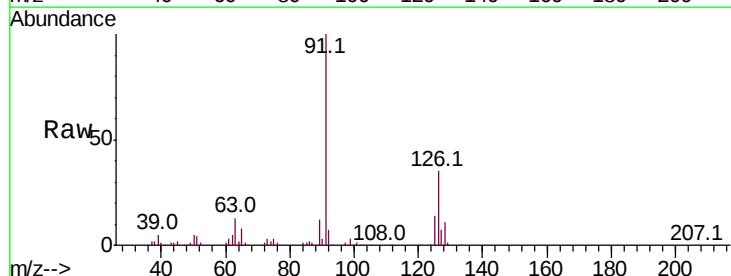
Acq: 02 Oct 2020 15:03

Tgt Ion: 91 Resp: 525340

Ion Ratio Lower Upper

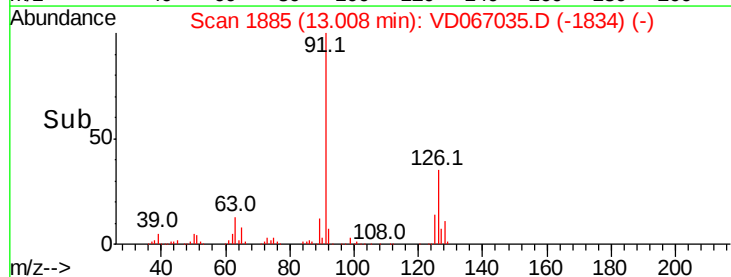
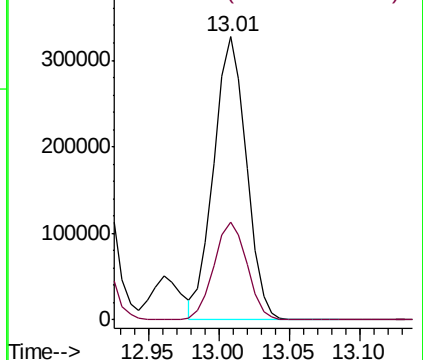
91 100

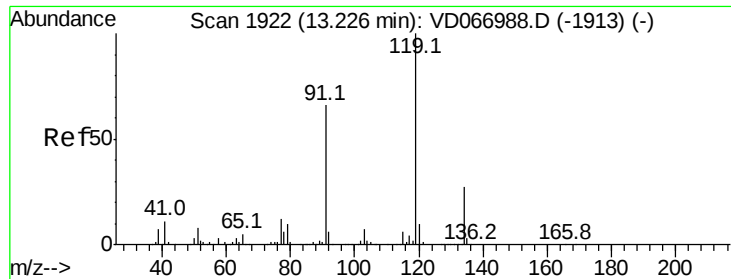
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

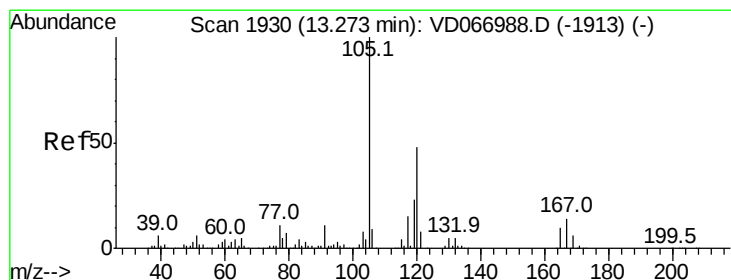
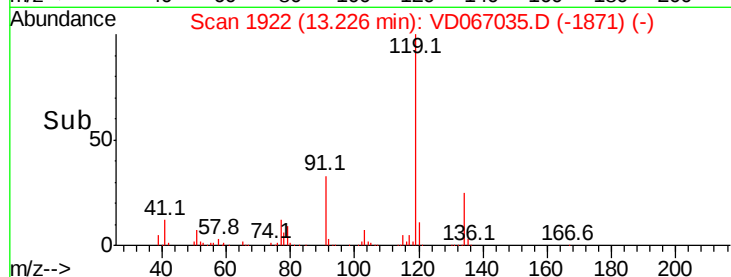
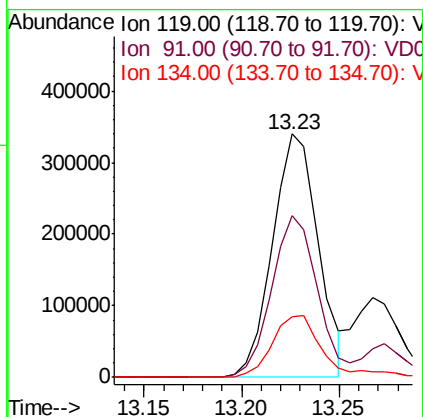
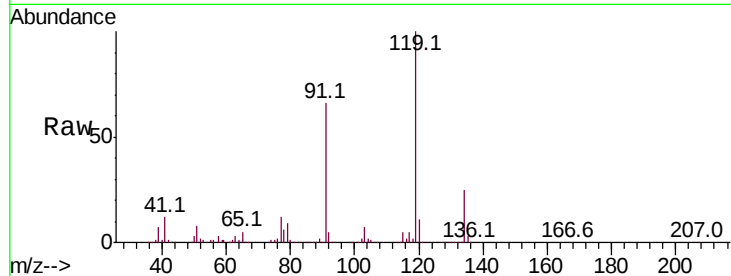




#83
tert-Butylbenzene
Concen: 59.057 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

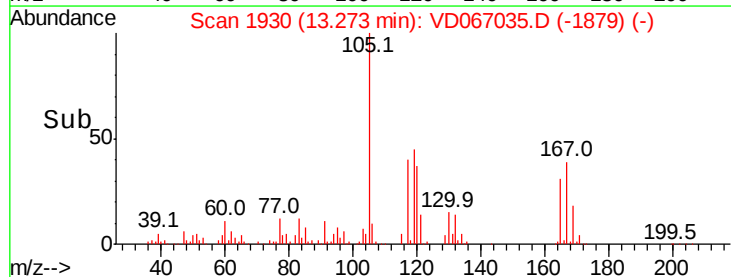
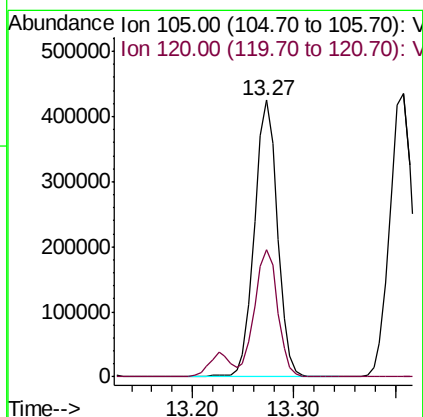
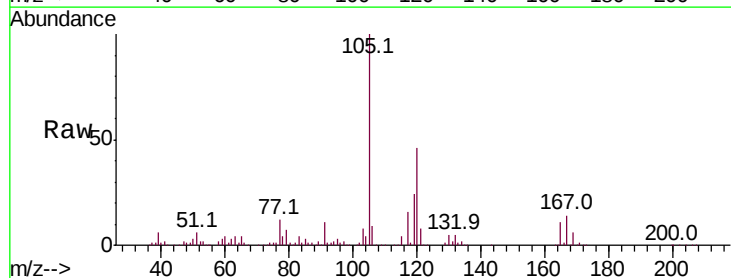
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

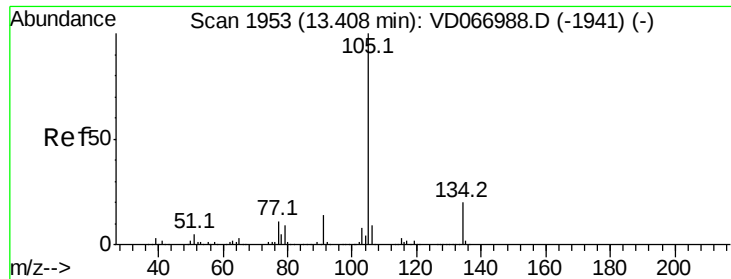
Tot Ion:119 Resp: 552650
Ion Ratio Lower Upper
119 100
91 66.5 32.8 98.3
134 28.1 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 60.747 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion:105 Resp: 673685
Ion Ratio Lower Upper
105 100
120 46.2 23.3 69.8

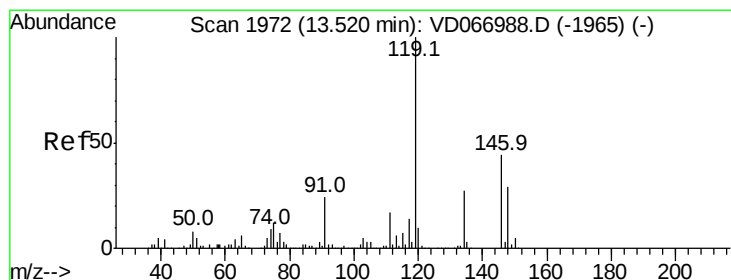
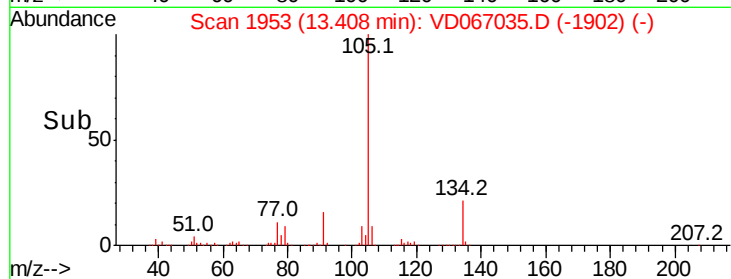
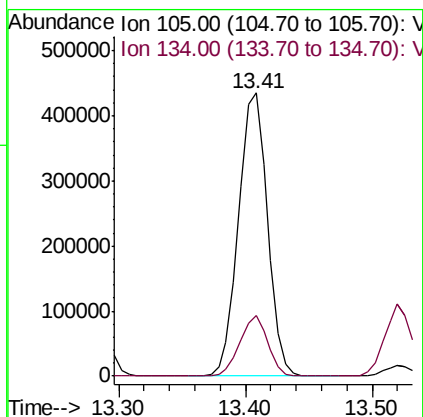
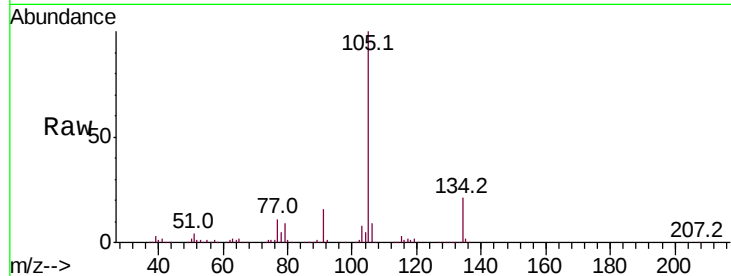




#85
 sec-Butylbenzene
 Concen: 52.205 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

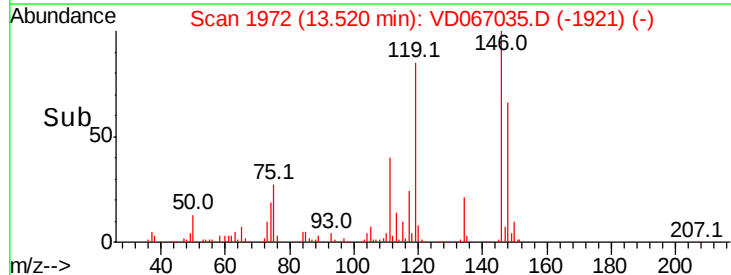
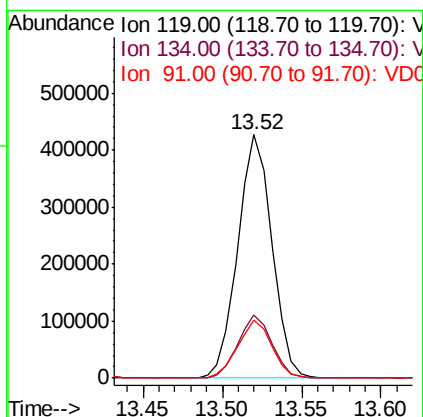
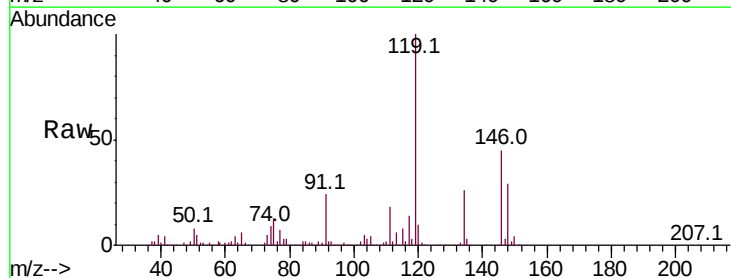
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

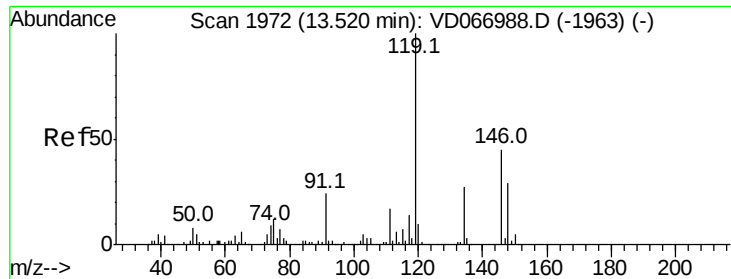
Tot Ion:105 Resp: 687966
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 52.320 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion:119 Resp: 639224
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.1
 91 23.6 11.7 35.1

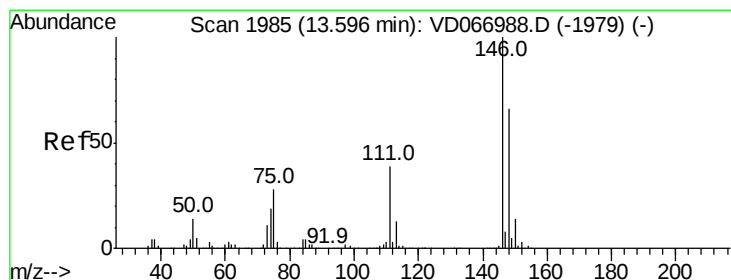
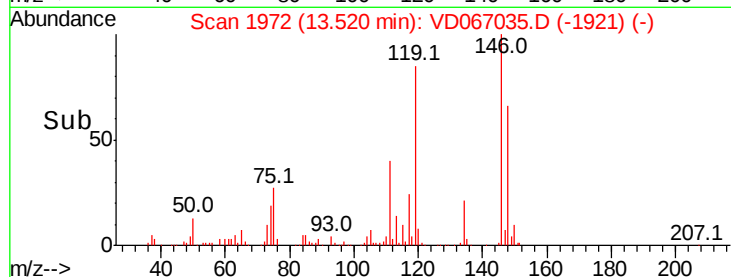
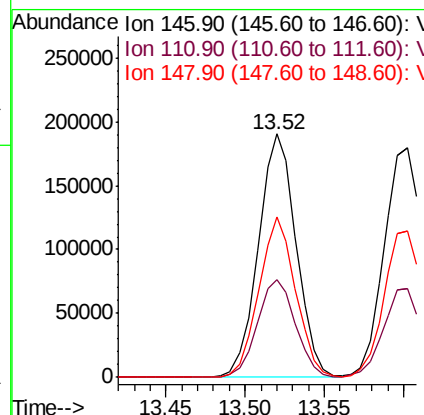
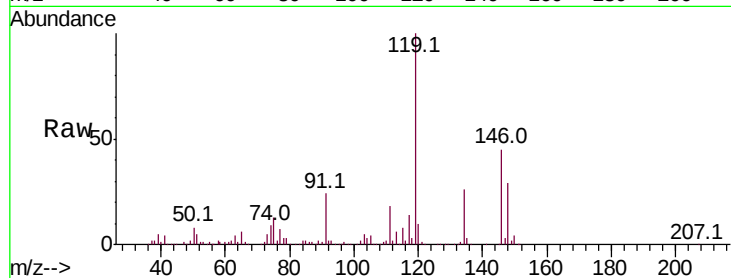




#87
 1,3-Dichlorobenzene
 Concen: 50.893 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

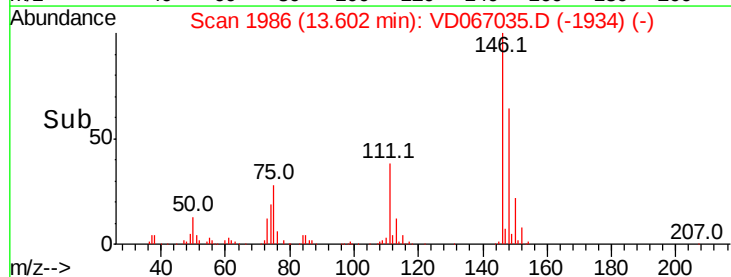
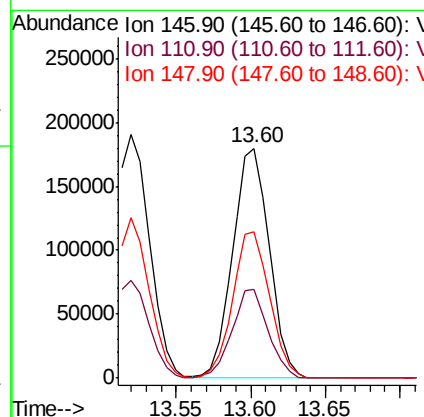
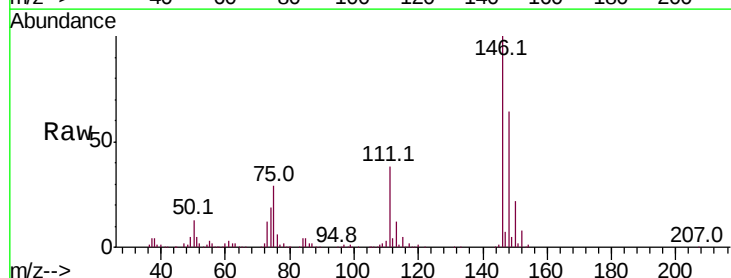
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

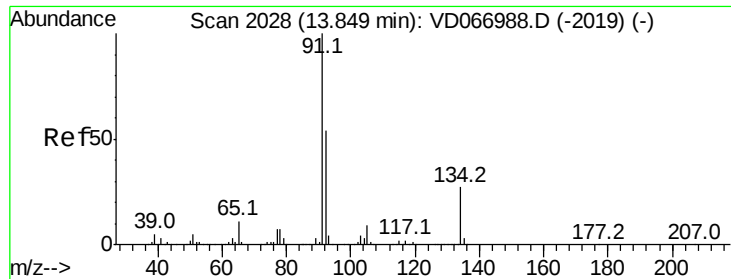
Tot Ion:146 Resp: 314830
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.784 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion:146 Resp: 307937
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.7
 148 64.3 32.6 97.7

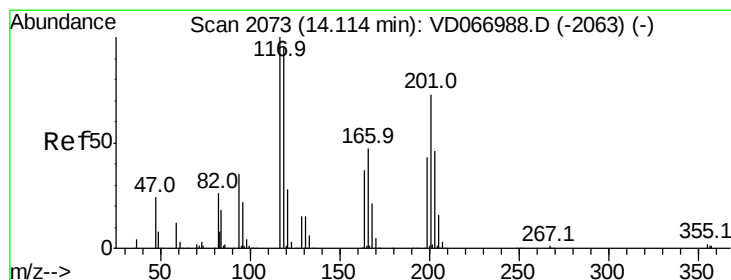
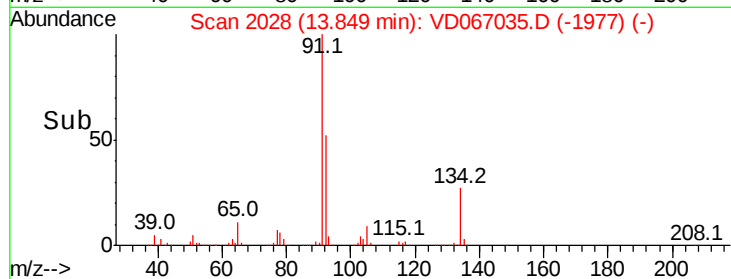
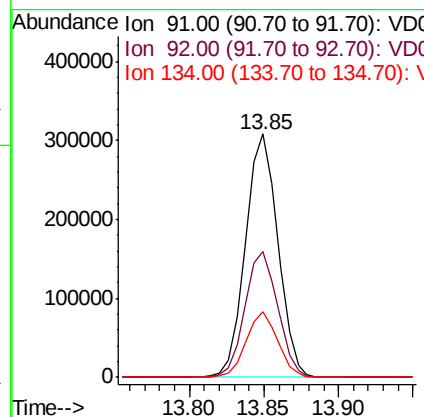
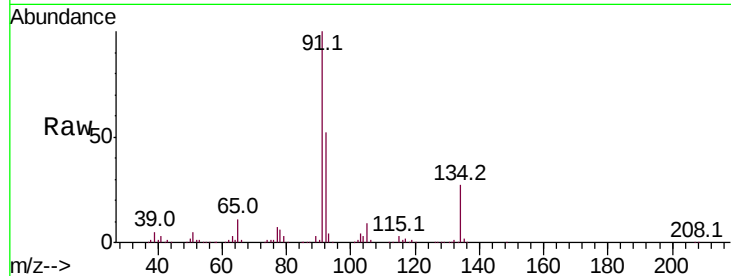




#89
n-Butylbenzene
Concen: 41.435 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

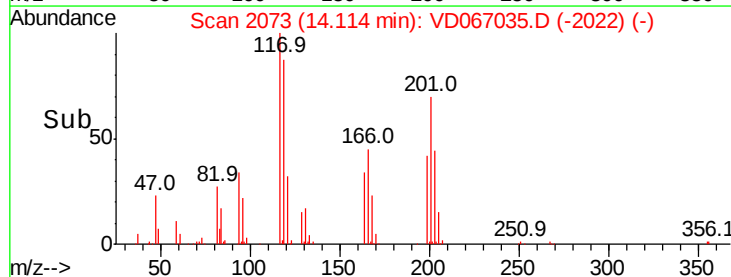
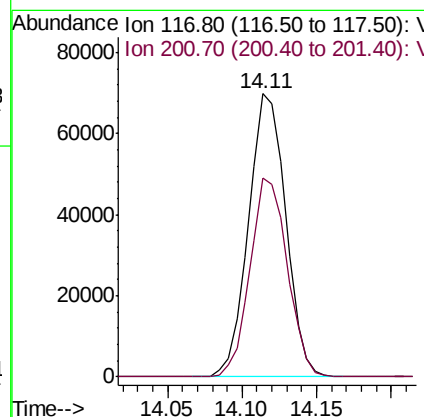
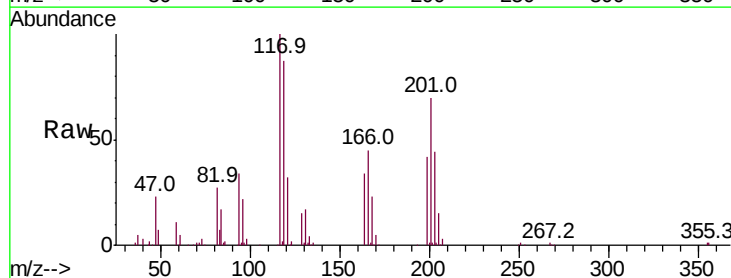
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

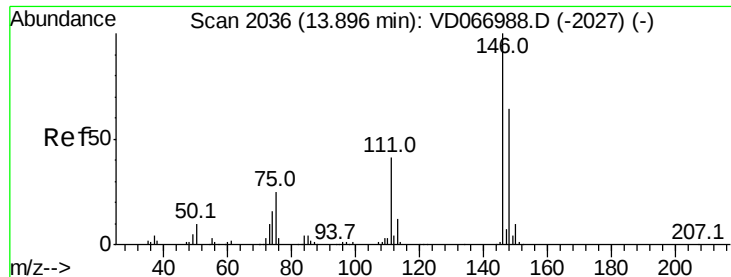
Tot Ion: 91 Resp: 462664
Ion Ratio Lower Upper
91 100
92 52.1 27.1 81.2
134 26.2 13.6 40.8



#90
Hexachloroethane
Concen: 56.120 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion: 117 Resp: 120104
Ion Ratio Lower Upper
117 100
201 70.4 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 52.963 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

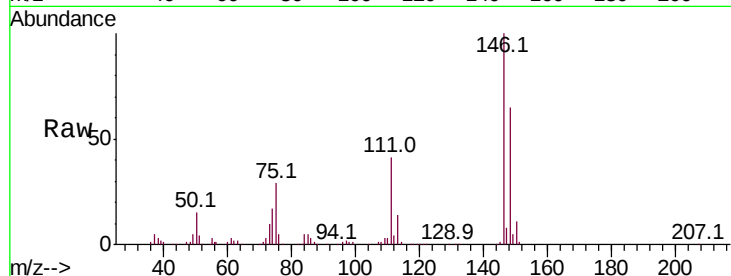
Tot Ion:146 Resp: 286137

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.7

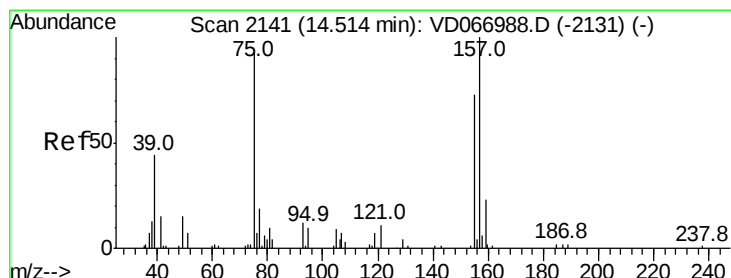
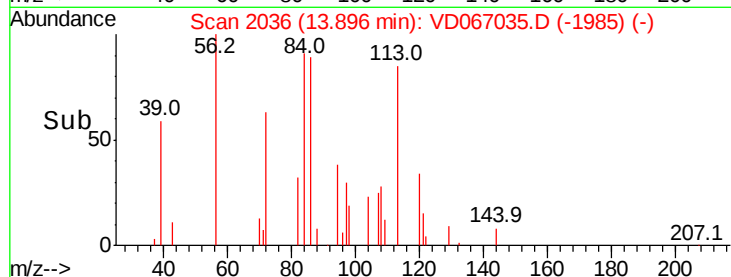
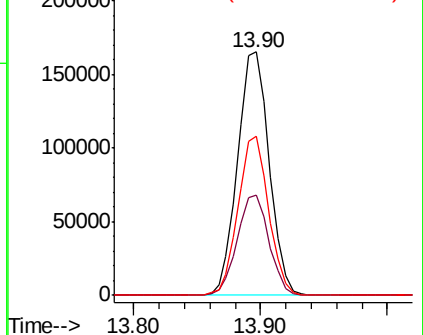
148 63.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.806 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

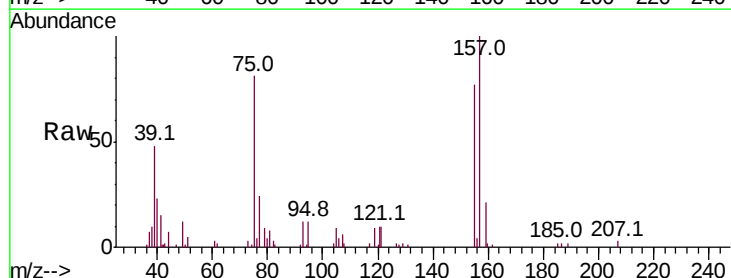
Tgt Ion: 75 Resp: 21007

Ion Ratio Lower Upper

75 100

155 86.8 45.2 135.6

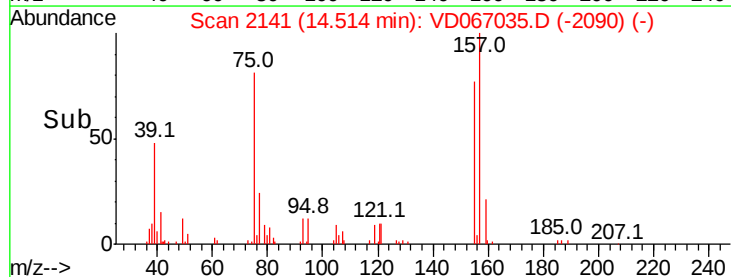
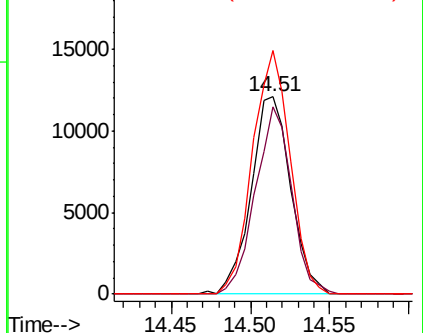
157 117.1 56.3 168.8

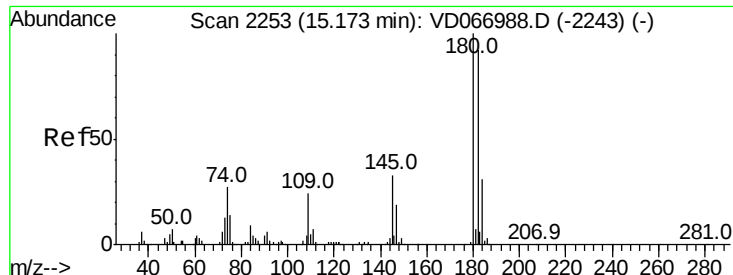


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

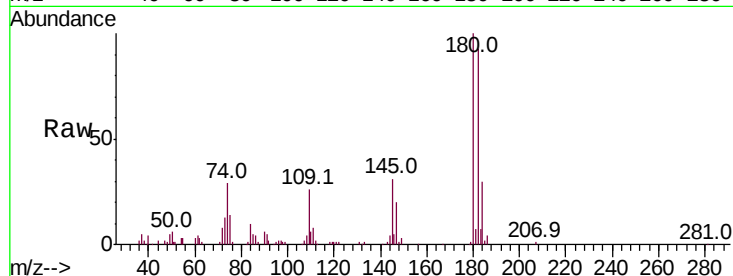




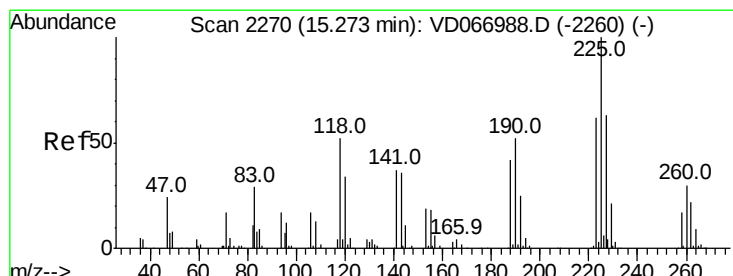
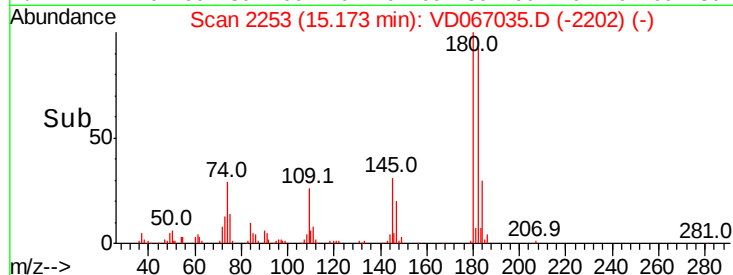
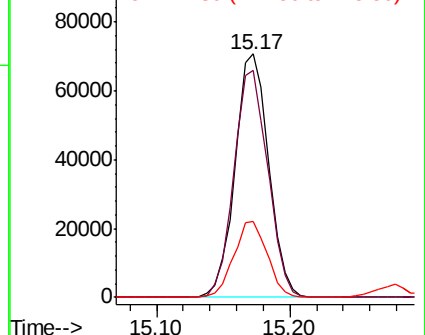
#93
 1,2,4-Trichlorobenzene
 Concen: 35.262 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	31.0	16.4	49.1

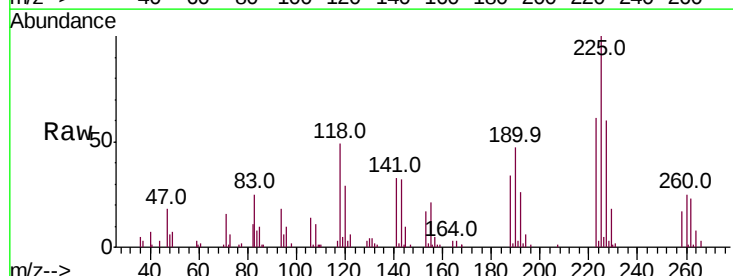


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

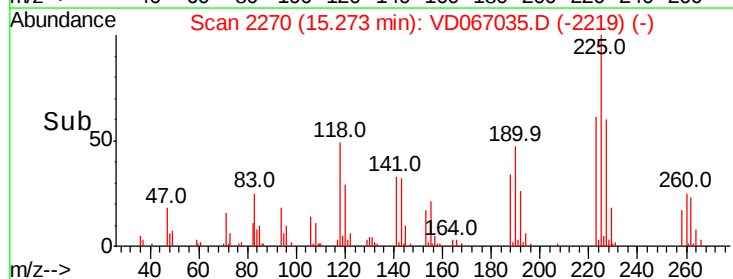
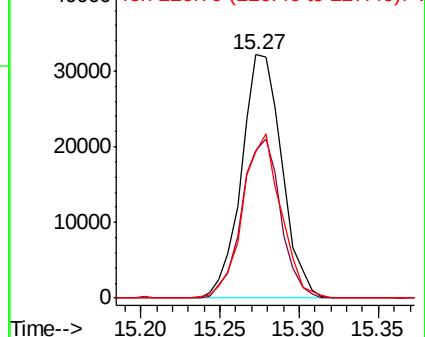


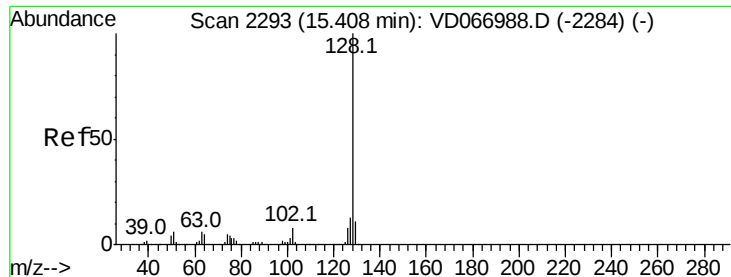
#94
 Hexachlorobutadiene
 Concen: 26.525 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.4	97.0
227	64.0	31.6	95.0



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





#95

Naphthalene

Concen: 45.712 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

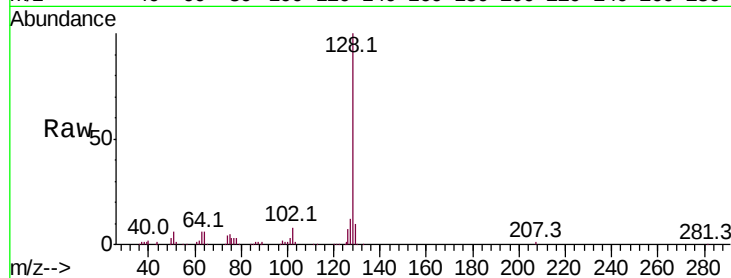
Tot Ion:128 Resp: 266449

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

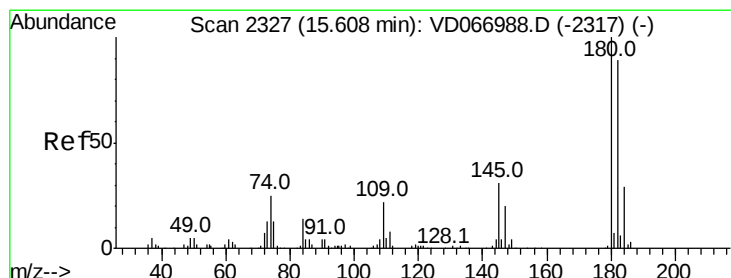
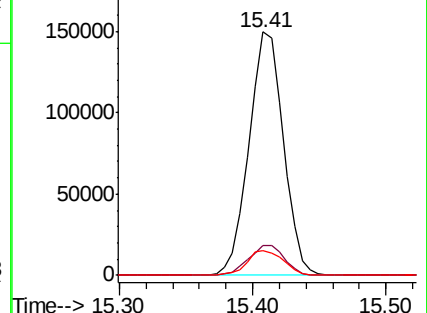
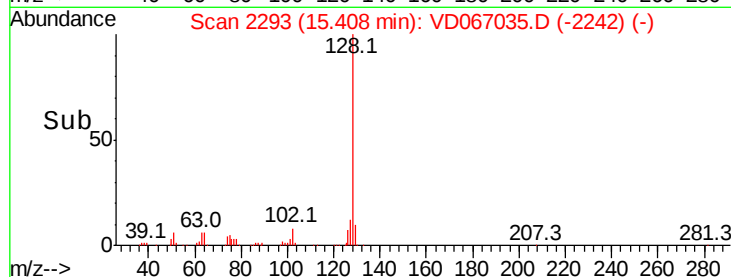
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 36.776 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

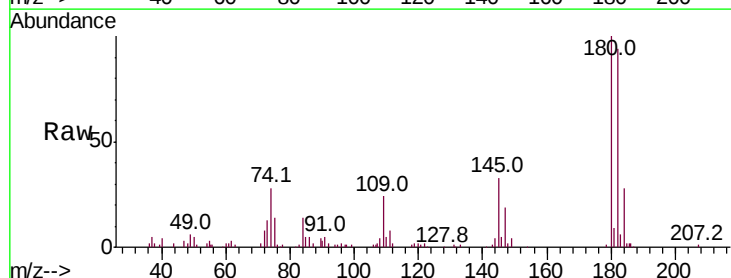
Tgt Ion:180 Resp: 111564

Ion Ratio Lower Upper

180 100

182 96.1 46.4 139.1

145 32.7 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

