

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067833.D
 Acq On : 01 Dec 2020 13:43
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Quant Time: Dec 02 04:47:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 04:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	240000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	324374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127930	49.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.30%
35) Dibromofluoromethane	7.92	113	121534	52.04	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.08%
50) Toluene-d8	10.34	98	424295	50.47	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.94%
62) 4-Bromofluorobenzene	12.64	95	153918	52.96	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108826	52.103	ug/l	100
3) Chloromethane	2.21	50	66257	54.967	ug/l	94
4) Vinyl Chloride	2.35	62	78694	51.837	ug/l	94
5) Bromomethane	2.77	94	69565	51.331	ug/l	95
6) Chloroethane	2.93	64	50061	50.648	ug/l	94
7) Trichlorofluoromethane	3.27	101	228506	49.189	ug/l	100
8) Diethyl Ether	3.71	74	47787	52.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108995	51.454	ug/l	99
10) Methyl Iodide	4.30	142	112963	50.311	ug/l	98
11) Tert butyl alcohol	5.23	59	34757	266.056	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	99578	50.071	ug/l	97
13) Acrolein	3.93	56	25982	262.415	ug/l	98
14) Allyl chloride	4.71	41	99081	53.854	ug/l	98
15) Acrylonitrile	5.42	53	82938	264.175	ug/l	98
16) Acetone	4.16	43	82541	259.256	ug/l #	86
17) Carbon Disulfide	4.41	76	285132	51.351	ug/l	100
18) Methyl Acetate	4.71	43	32596	54.621	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	236400	55.512	ug/l	98
20) Methylene Chloride	4.96	84	112754	55.091	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	113658	50.223	ug/l	91
22) Diisopropyl ether	6.37	45	202206	54.645	ug/l	94
23) Vinyl Acetate	6.31	43	591071	287.129	ug/l	100
24) 1,1-Dichloroethane	6.27	63	167071	51.506	ug/l	98
25) 2-Butanone	7.21	43	92182	275.277	ug/l	92
26) 2,2-Dichloropropane	7.21	77	197102	50.957	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	127836	51.645	ug/l	99
28) Bromochloromethane	7.55	49	56246	54.615	ug/l	98
29) Tetrahydrofuran	7.57	42	52405	274.846	ug/l	99
30) Chloroform	7.71	83	221712	51.146	ug/l	100
31) Cyclohexane	7.99	56	133192	49.067	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	231485	50.588	ug/l	99
36) 1,1-Dichloropropene	8.11	75	153900	50.942	ug/l	98
37) Ethyl Acetate	7.29	43	40748	50.045	ug/l #	88
38) Carbon Tetrachloride	8.10	117	225300	49.289	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184898	51.646	ug/l	97
40) Benzene	8.36	78	420226	50.835	ug/l	98
41) Methacrylonitrile	7.53	41	24156	64.975	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	149245	50.656	ug/l	99
43) Isopropyl Acetate	8.46	43	81911	51.128	ug/l	98
44) Trichloroethene	9.11	130	140118	49.300	ug/l	94
45) 1,2-Dichloropropane	9.39	63	85199	50.216	ug/l	97
46) Dibromomethane	9.48	93	58996	50.012	ug/l	93
47) Bromodichloromethane	9.67	83	169967	50.540	ug/l	100
48) Methyl methacrylate	9.46	41	42789	52.598	ug/l	96
49) 1,4-Dioxane	9.47	88	13603	1009.179	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	201899	266.270	ug/l	100
52) Toluene	10.41	92	289379	50.069	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	151890	52.328	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	164157	51.992	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	80037	49.578	ug/l	97
56) Ethyl methacrylate	10.67	69	84561	51.482	ug/l	96
57) 1,3-Dichloropropane	10.95	76	127877	50.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	209051	279.701	ug/l	99
59) 2-Hexanone	10.98	43	143528	268.515	ug/l	99
60) Dibromochloromethane	11.14	129	126520	51.990	ug/l	97
61) 1,2-Dibromoethane	11.25	107	79489	50.070	ug/l	100
64) Tetrachloroethene	10.88	164	127628	48.237	ug/l	97
65) Chlorobenzene	11.67	112	331577	49.540	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	135340	49.577	ug/l	97
67) Ethyl Benzene	11.75	91	578811	50.766	ug/l	100
68) m/p-Xylenes	11.86	106	445412	99.073	ug/l	99
69) o-Xylene	12.18	106	207027	51.871	ug/l	99
70) Styrene	12.20	104	355468	51.219	ug/l	99
71) Bromoform	12.36	173	73358	50.766	ug/l #	98
73) Isopropylbenzene	12.48	105	587325	51.522	ug/l	97
74) N-amyl acetate	12.29	43	72994	51.766	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	73390	48.764	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	109155	90.424	ug/l #	1
77) Bromobenzene	12.76	156	143848	50.758	ug/l	97
78) n-propylbenzene	12.82	91	644173	50.985	ug/l	100
79) 2-Chlorotoluene	12.91	91	377630	50.805	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	510833	51.757	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25023	49.586	ug/l	96
82) 4-Chlorotoluene	13.01	91	398105	50.210	ug/l	99
83) tert-Butylbenzene	13.23	119	432597	51.507	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	503420	51.294	ug/l	98
85) sec-Butylbenzene	13.40	105	567325	50.610	ug/l	100
86) p-Isopropyltoluene	13.52	119	549214	49.990	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	271861	49.729	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	268661	49.123	ug/l	99
89) n-Butylbenzene	13.84	91	465053	50.951	ug/l	98
90) Hexachloroethane	14.11	117	99982	49.292	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	237157	50.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14890	47.406	ug/l	93

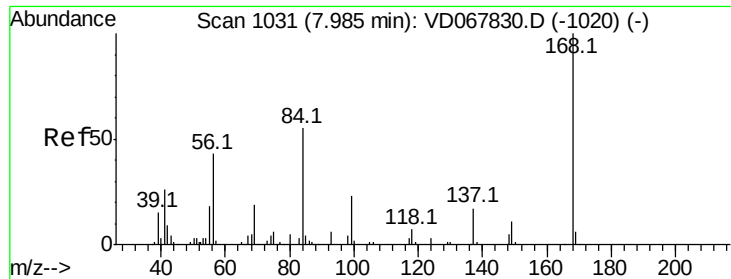
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	173624	52.350	ug/l	97
94) Hexachlorobutadiene	15.27	225	111586	51.561	ug/l	97
95) Naphthalene	15.40	128	291042	53.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	149157	52.077	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

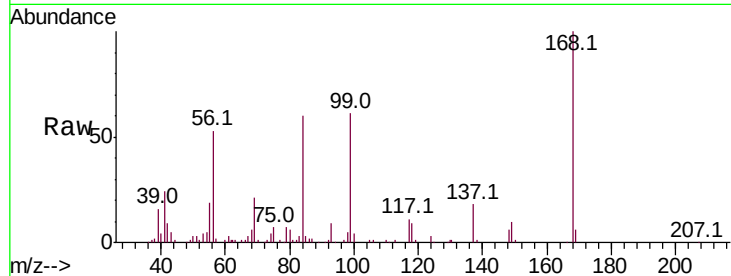
ICVVD120120

Tot Ion:168 Resp: 240000

Ion Ratio Lower Upper

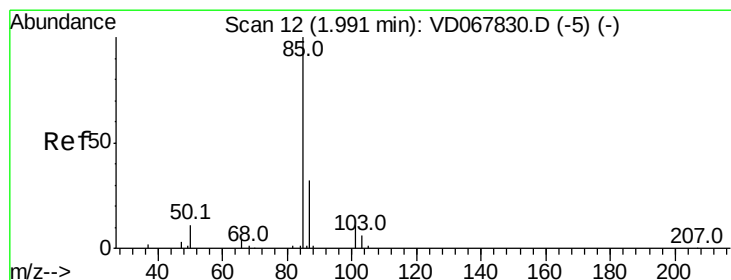
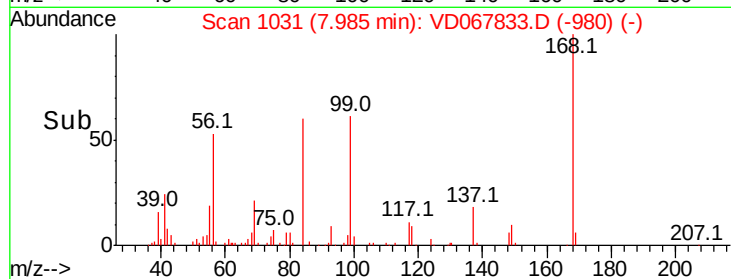
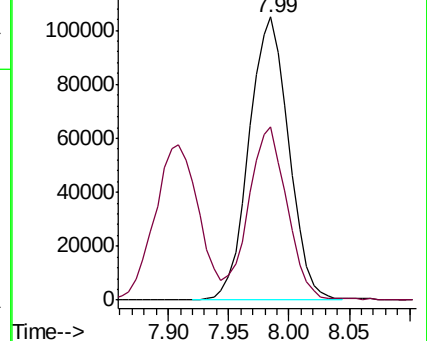
168 100

99 60.6 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.103 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067833.D

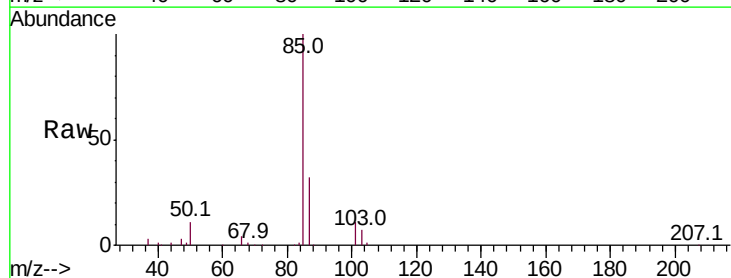
Acq: 01 Dec 2020 13:43

Tgt Ion: 85 Resp: 108826

Ion Ratio Lower Upper

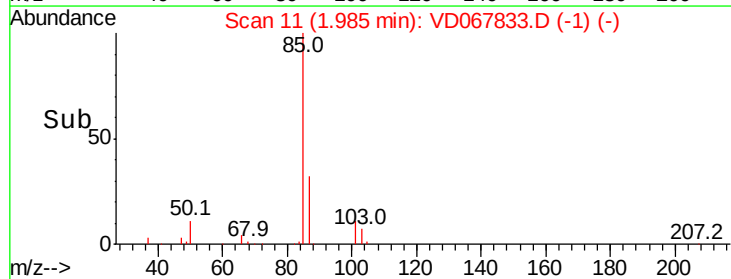
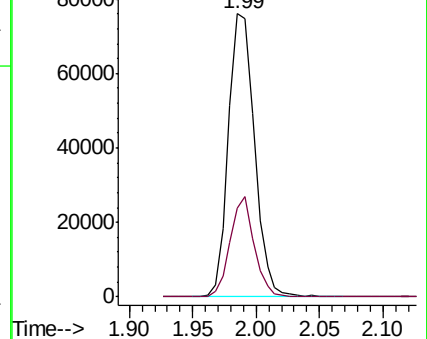
85 100

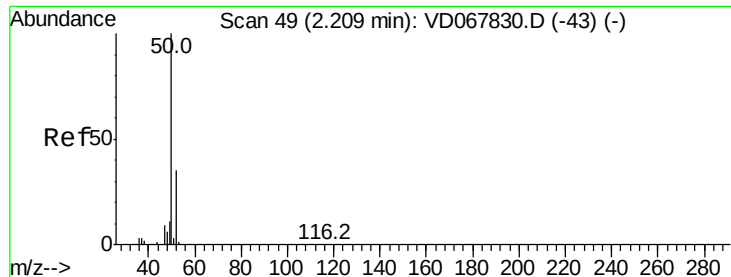
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.967 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

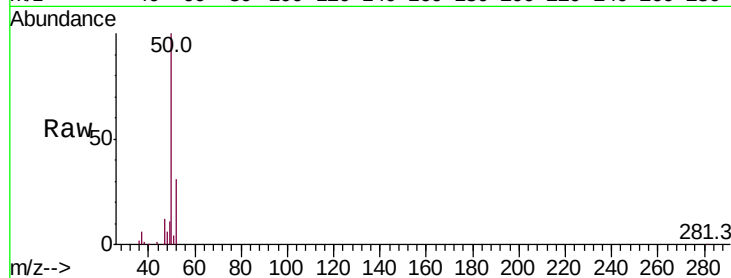
ICVVD120120

Tot Ion: 50 Resp: 66257

Ion Ratio Lower Upper

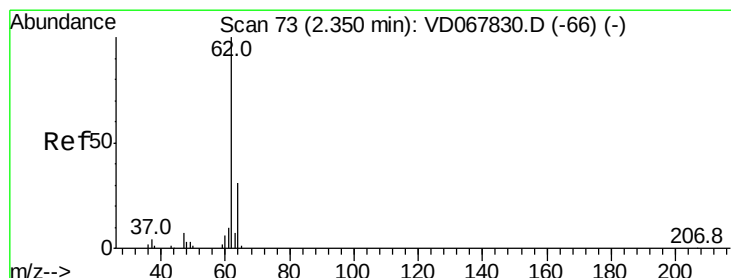
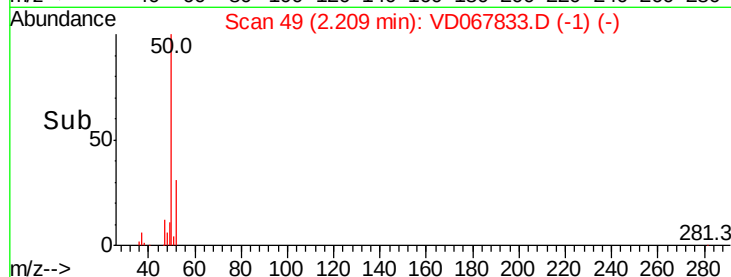
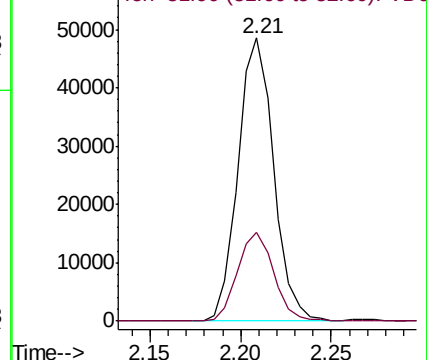
50 100

52 31.3 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.837 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067833.D

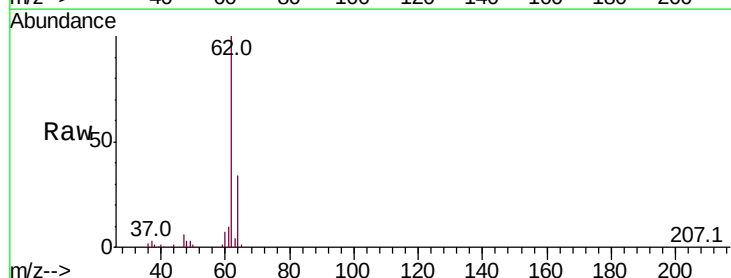
Acq: 01 Dec 2020 13:43

Tgt Ion: 62 Resp: 78694

Ion Ratio Lower Upper

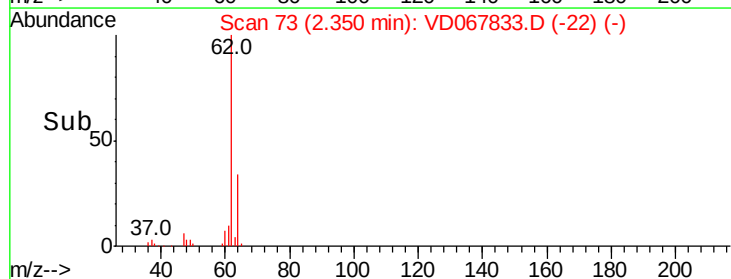
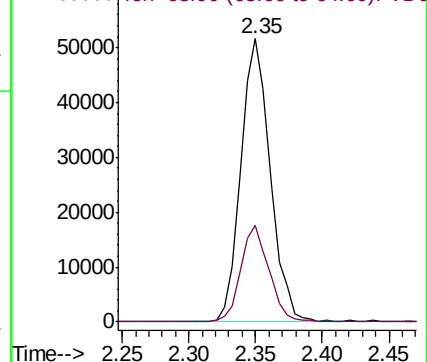
62 100

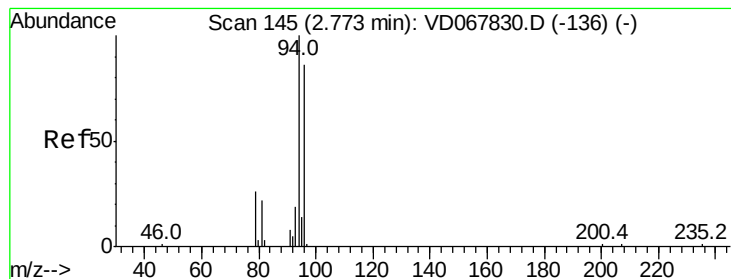
64 34.1 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.331 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

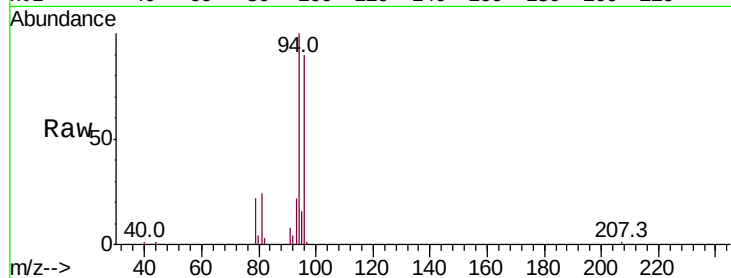
ICVVD120120

Tot Ion: 94 Resp: 69565

Ion Ratio Lower Upper

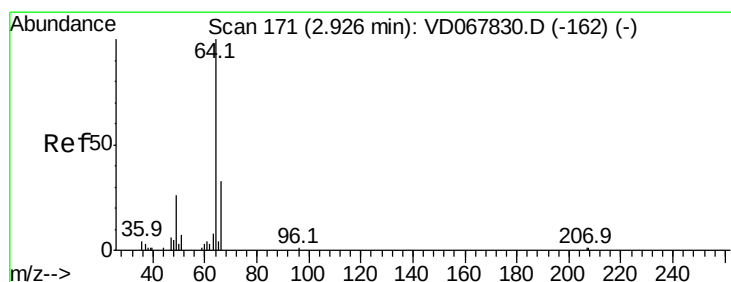
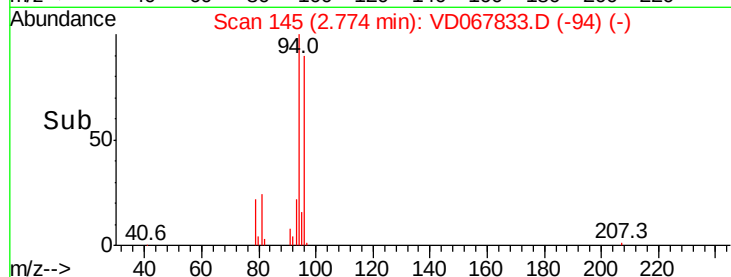
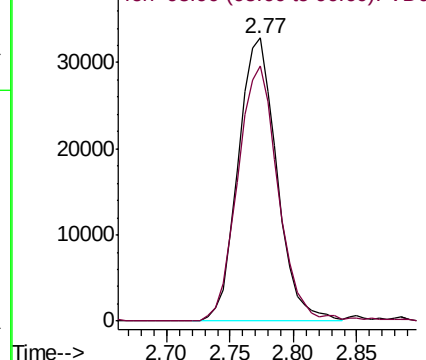
94 100

96 90.1 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.648 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067833.D

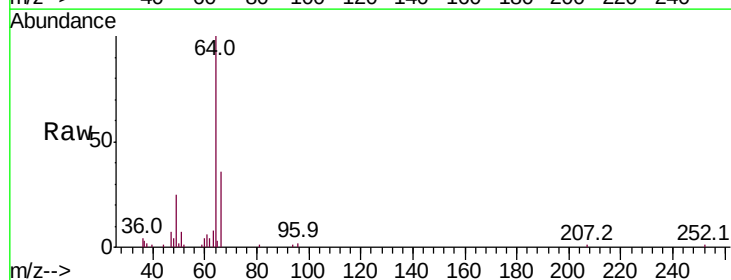
Acq: 01 Dec 2020 13:43

Tgt Ion: 64 Resp: 50061

Ion Ratio Lower Upper

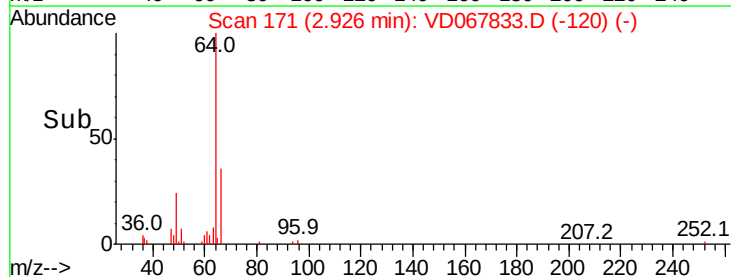
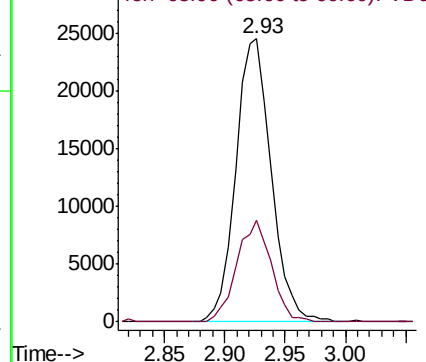
64 100

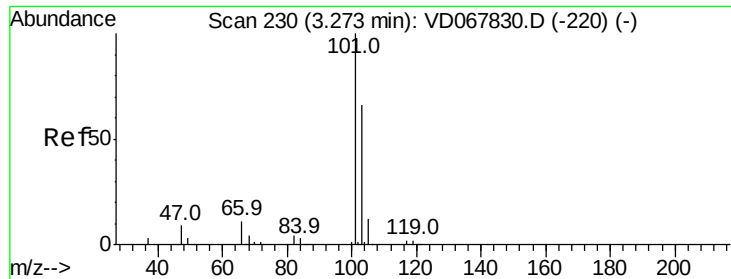
66 35.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



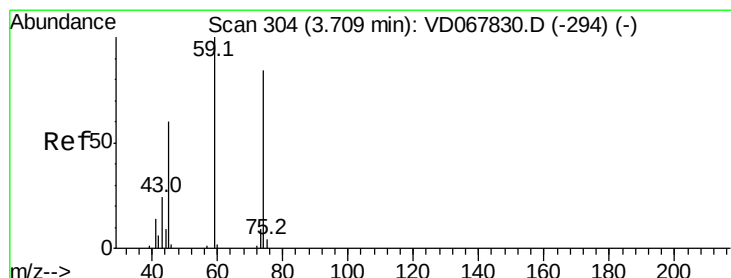
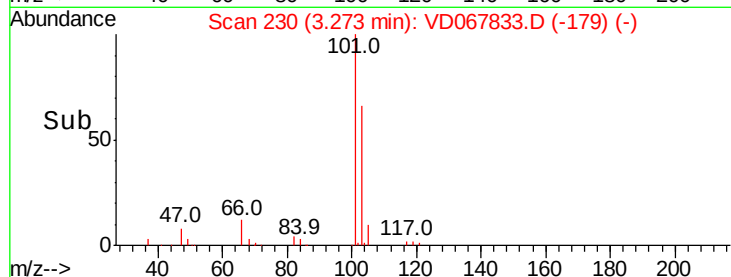
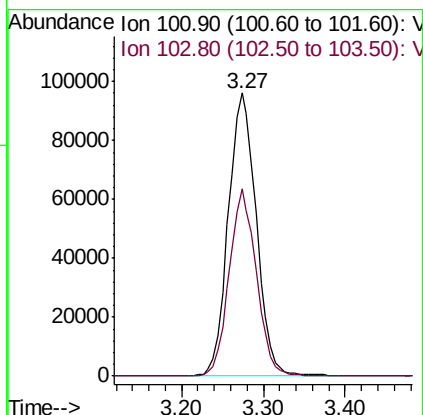
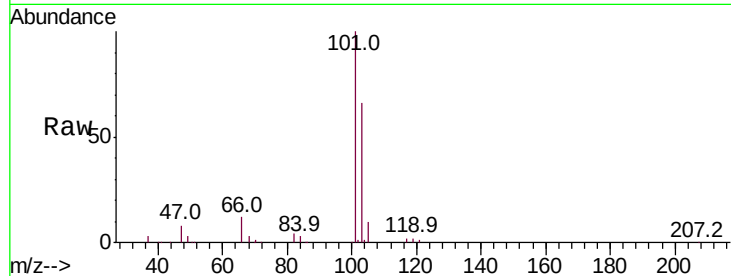


#7

Trichlorofluoromethane
 Concen: 49.189 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
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 ICVVD120120

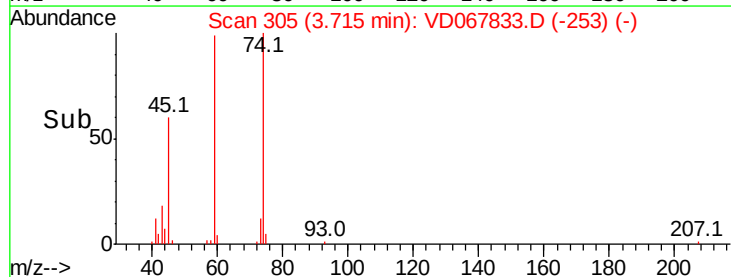
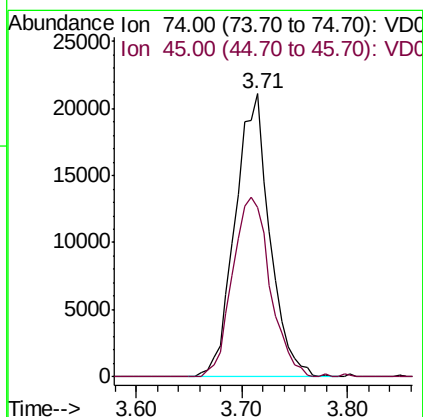
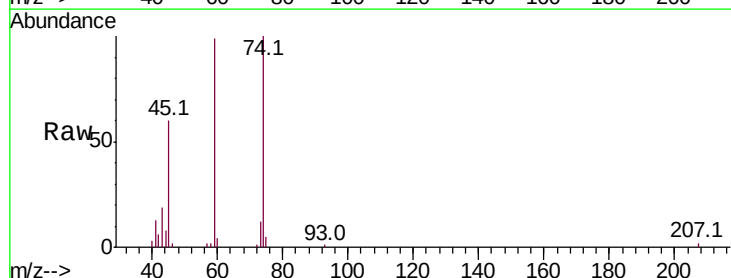
Tot Ion:101 Resp: 228506
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.6

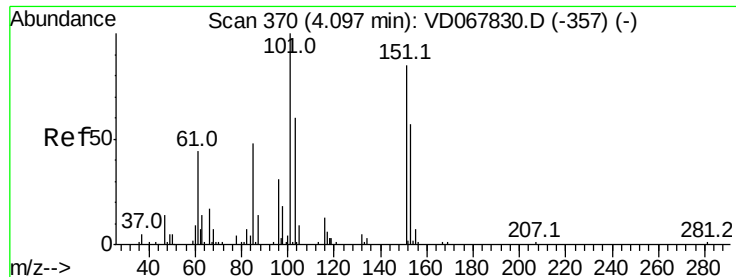


#8

Diethyl Ether
 Concen: 52.778 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 74 Resp: 47787
 Ion Ratio Lower Upper
 74 100
 45 69.1 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.454 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

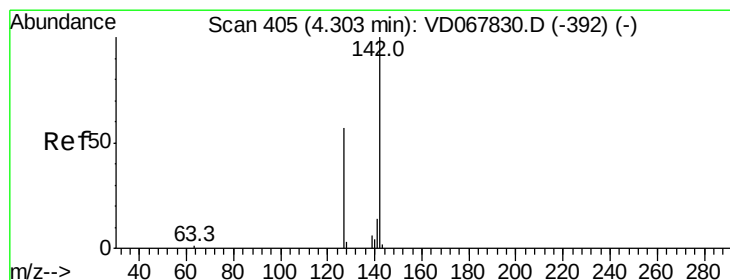
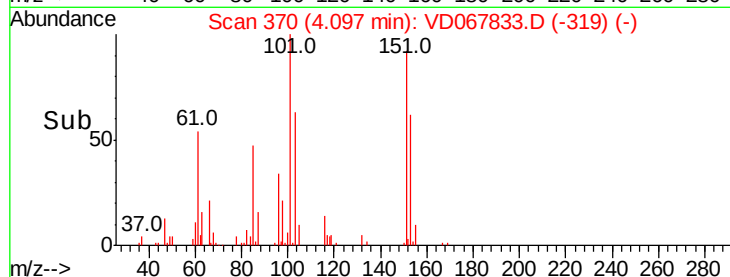
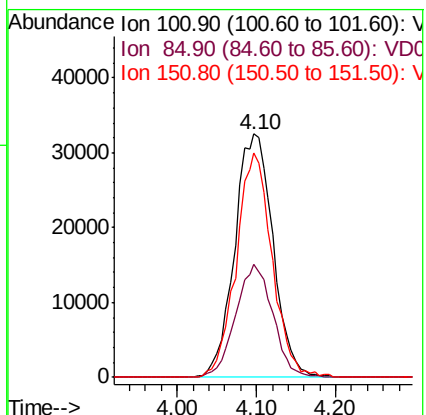
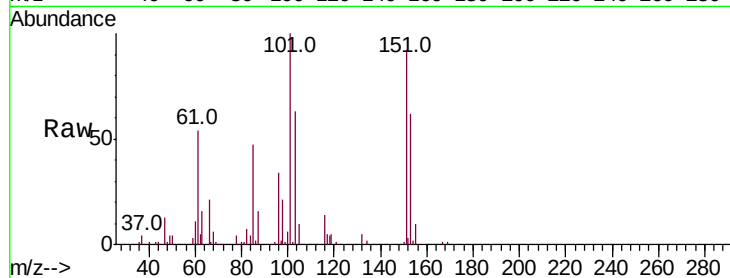
Tot Ion:101 Resp: 108995

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

151 86.1 69.4 104.2



#10

Methyl Iodide

Concen: 50.311 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

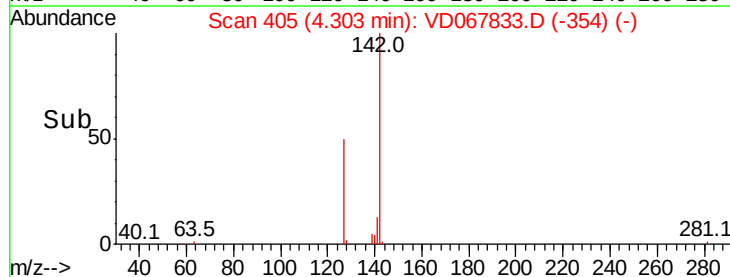
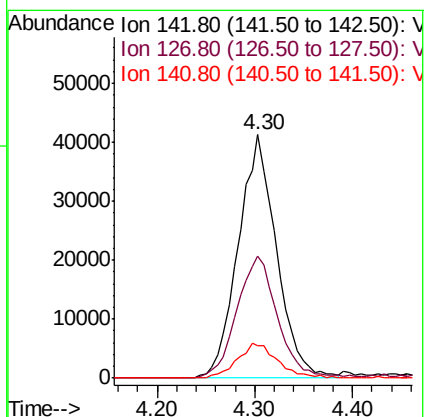
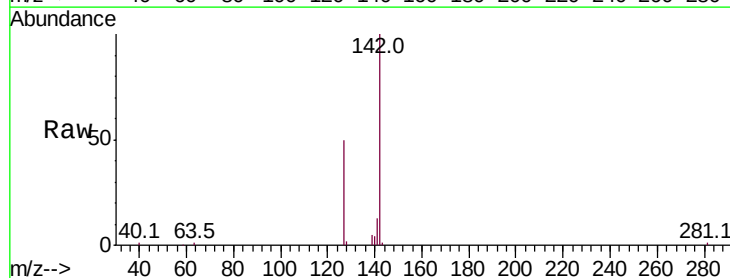
Tgt Ion:142 Resp: 112963

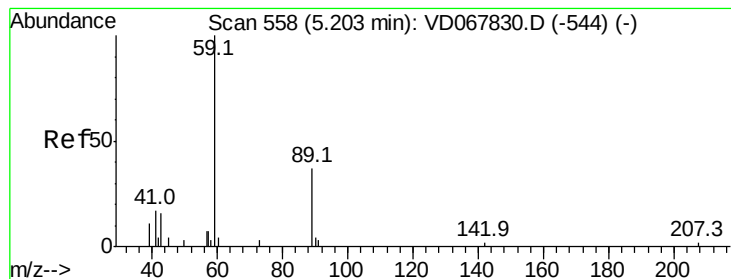
Ion Ratio Lower Upper

142 100

127 53.2 43.9 65.9

141 14.8 12.2 18.2



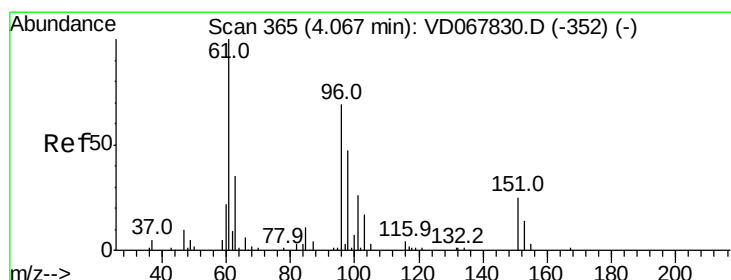
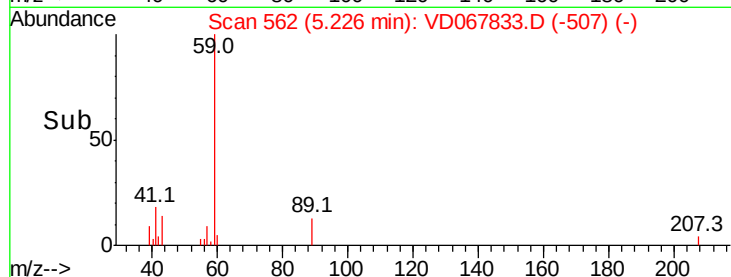
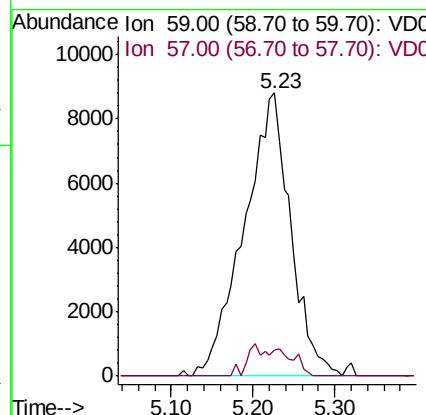
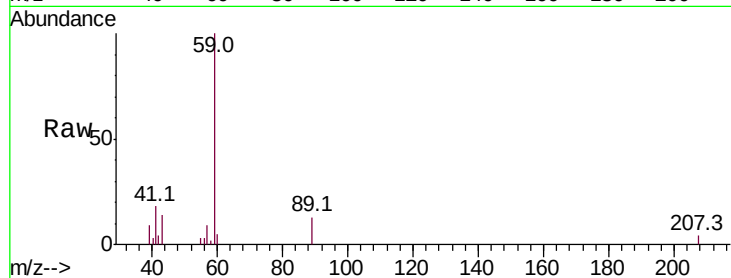


#11

Tert butyl alcohol
 Concen: 266.056 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.02 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

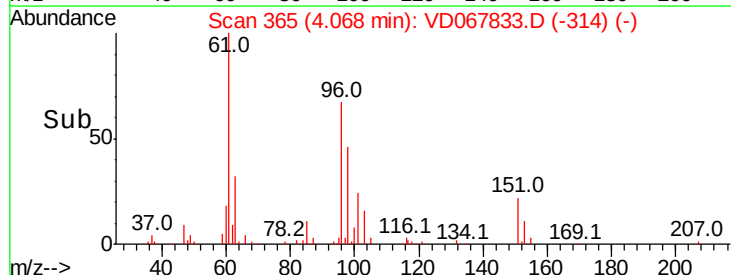
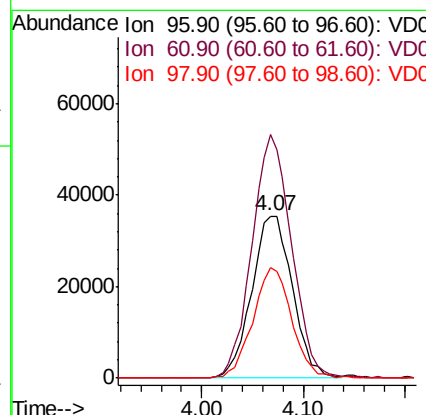
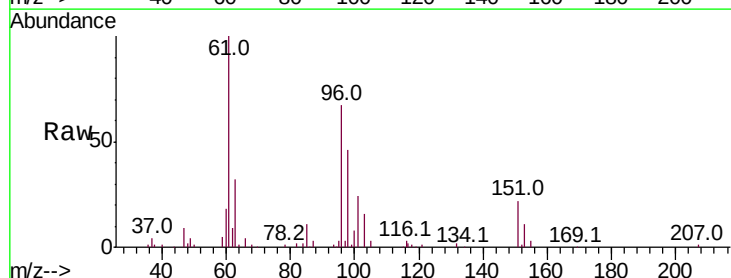
Tot Ion: 59 Resp: 34757
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

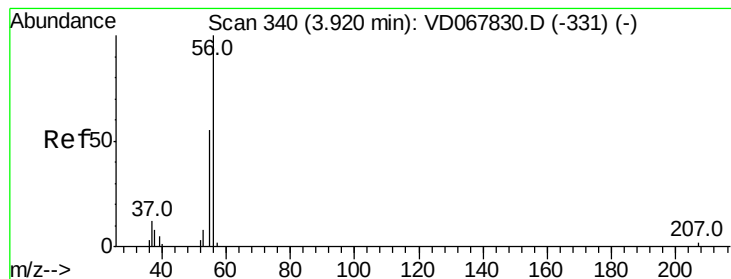


#12

1,1-Dichloroethene
 Concen: 50.071 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 96 Resp: 99578
 Ion Ratio Lower Upper
 96 100
 61 150.4 116.1 174.1
 98 68.6 54.6 82.0





#13

Acrolein

Concen: 262.415 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

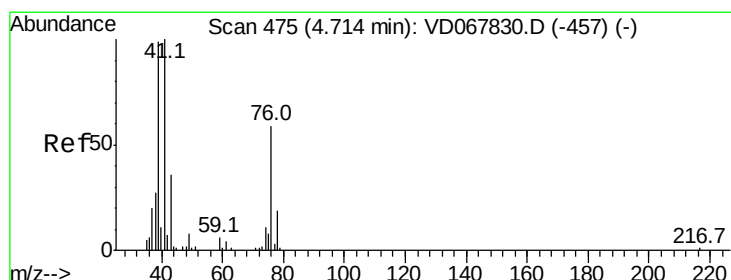
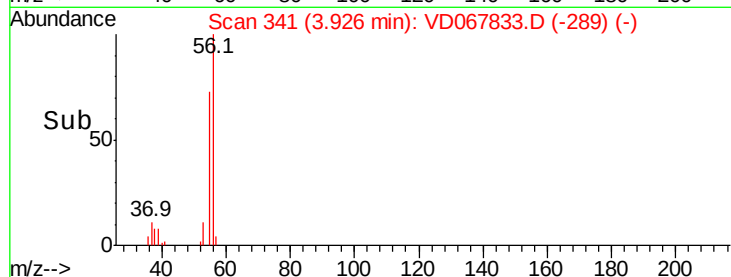
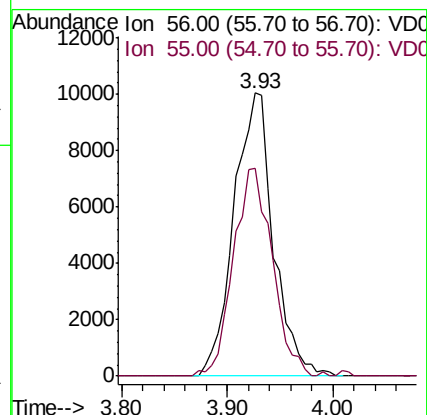
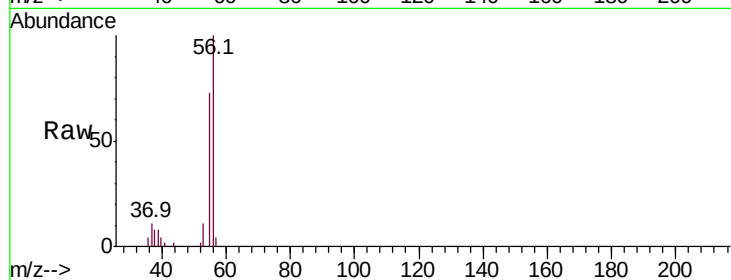
ICVVD120120

Tot Ion: 56 Resp: 25982

Ion Ratio Lower Upper

56 100

55 72.2 56.5 84.7



#14

Allyl chloride

Concen: 53.854 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

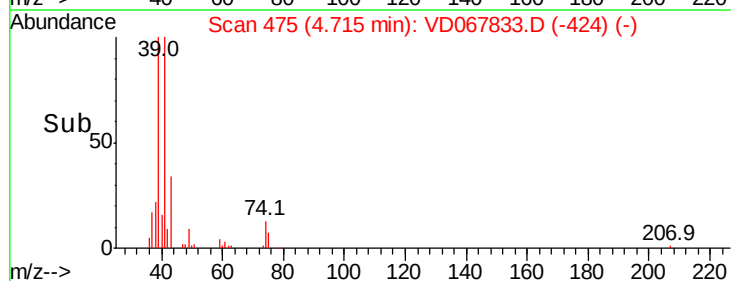
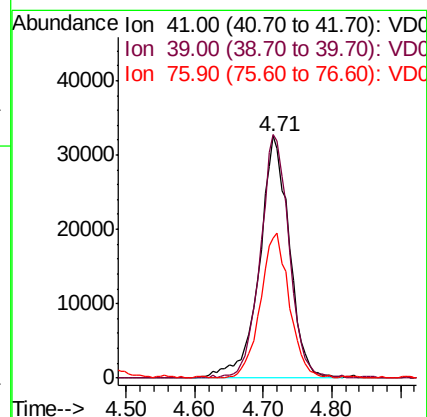
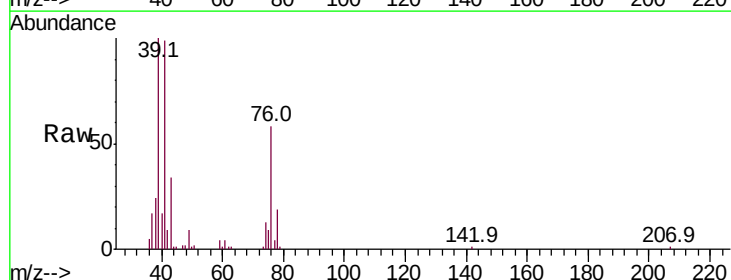
Tgt Ion: 41 Resp: 99081

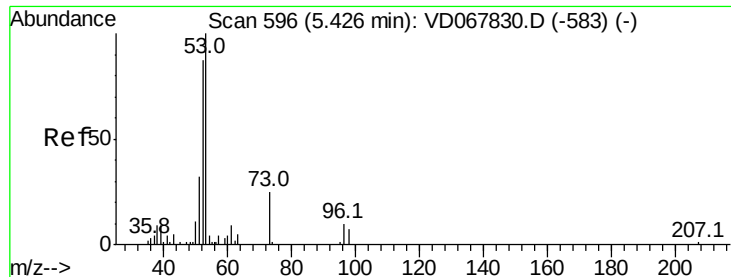
Ion Ratio Lower Upper

41 100

39 96.7 79.0 118.6

76 57.8 46.6 70.0





#15

Acrylonitrile

Concen: 264.175 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

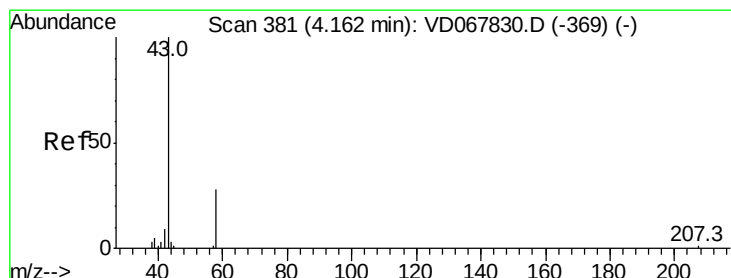
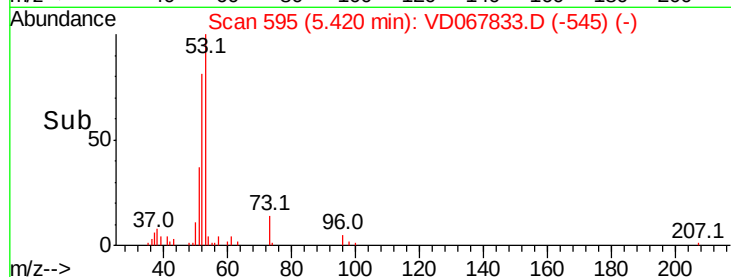
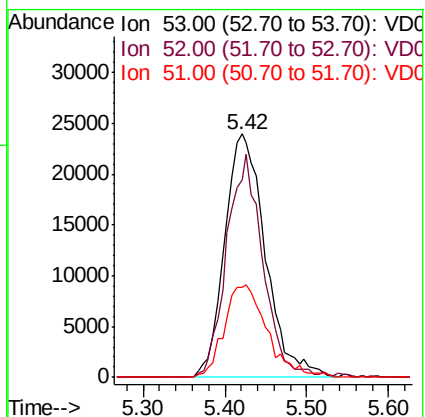
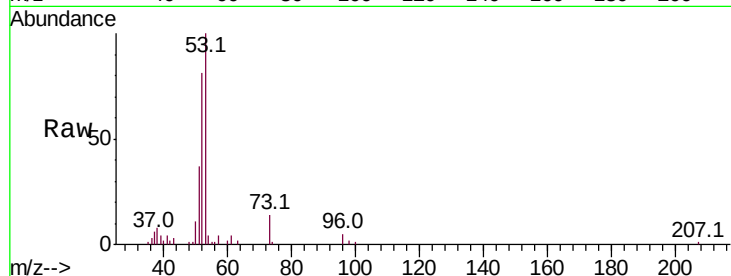
Tot Ion: 53 Resp: 82938

Ion Ratio Lower Upper

53 100

52 81.0 66.2 99.2

51 39.9 31.1 46.7



#16

Acetone

Concen: 259.256 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067833.D

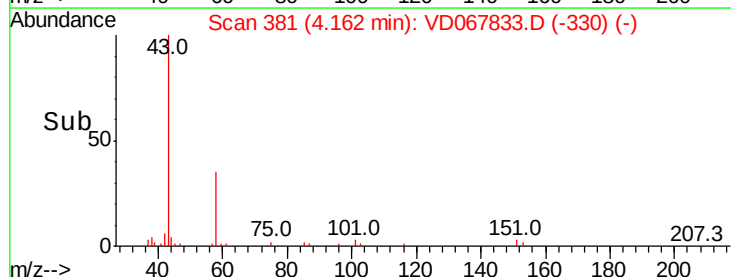
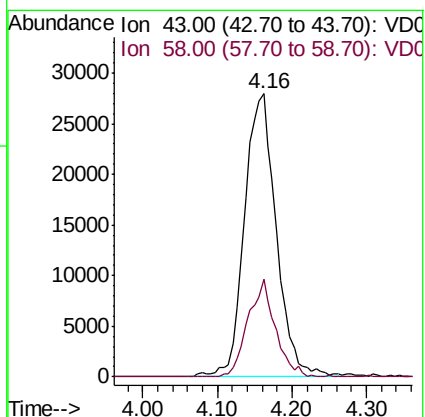
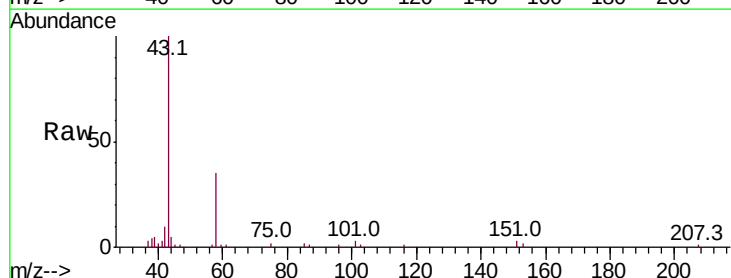
Acq: 01 Dec 2020 13:43

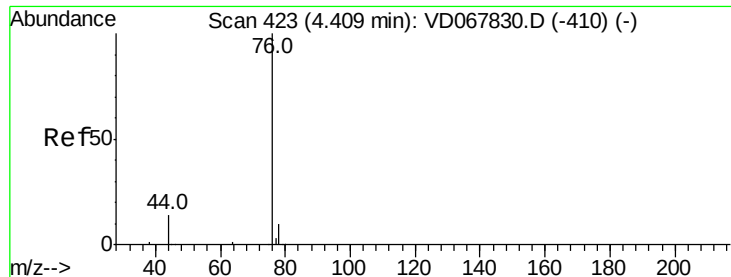
Tgt Ion: 43 Resp: 82541

Ion Ratio Lower Upper

43 100

58 34.5 21.9 32.9#

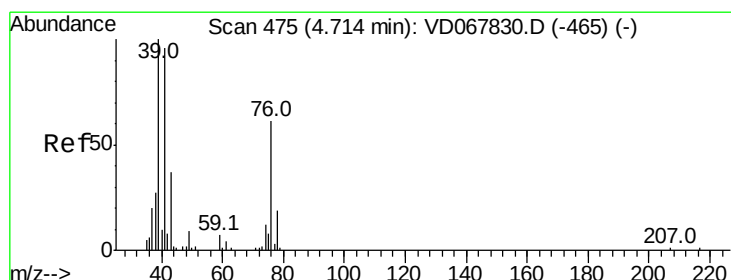
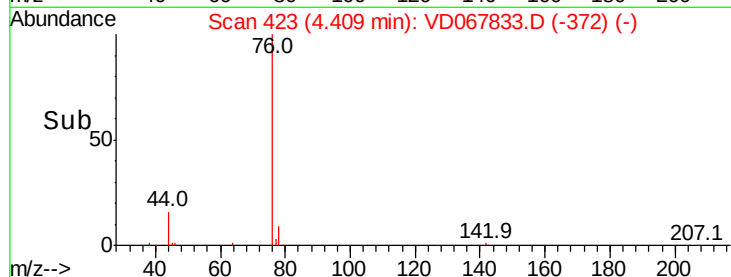
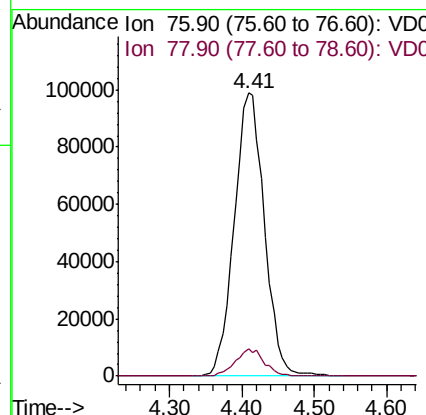
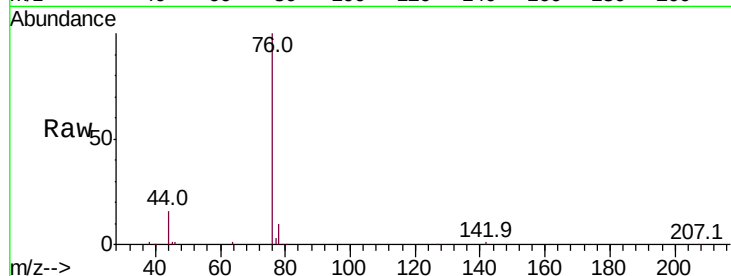




#17
Carbon Disulfide
Concen: 51.351 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

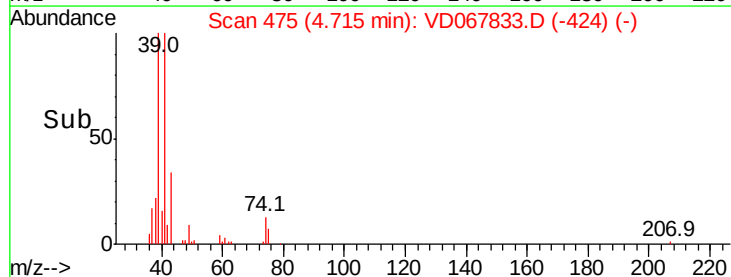
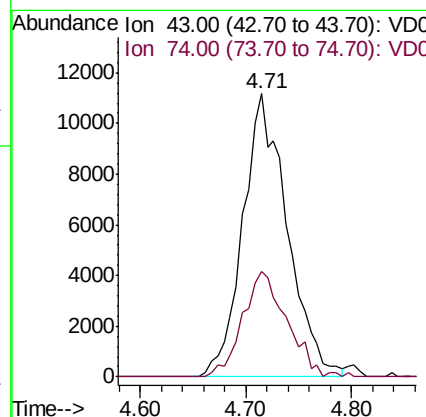
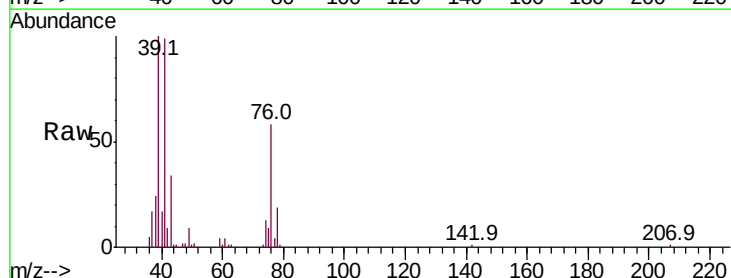
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

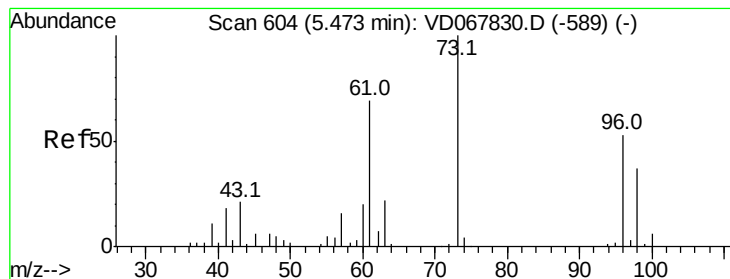
Tot Ion: 76 Resp: 285132
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.6



#18
Methyl Acetate
Concen: 54.621 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 43 Resp: 32596
Ion Ratio Lower Upper
43 100
74 36.8 27.0 40.4



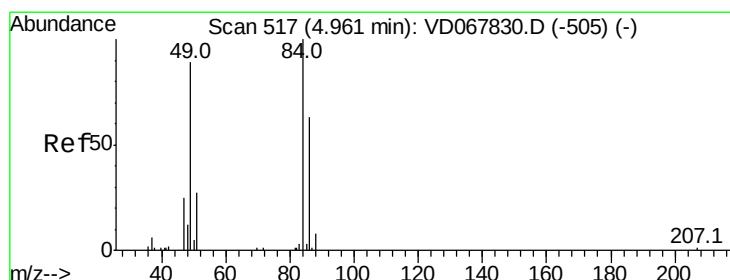
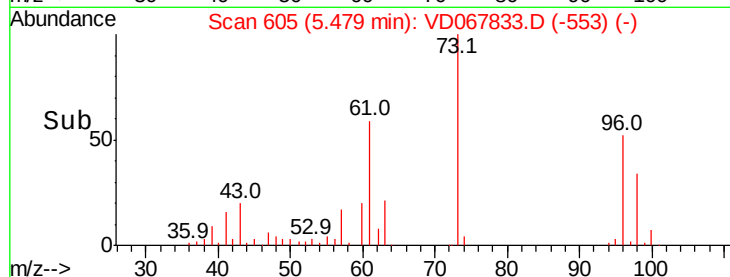
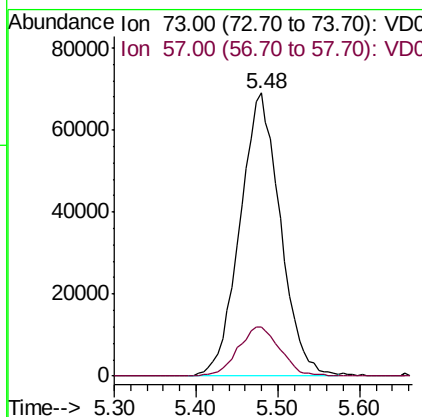
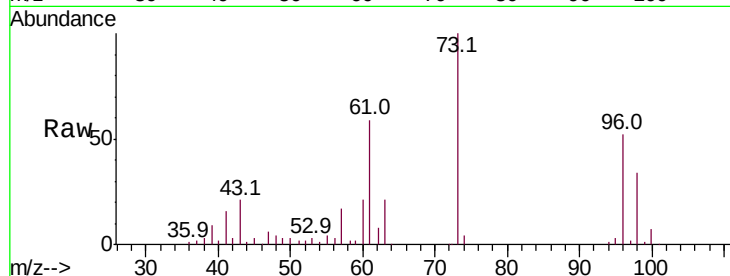


#19

Methyl tert-butyl Ether
 Concen: 55.512 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

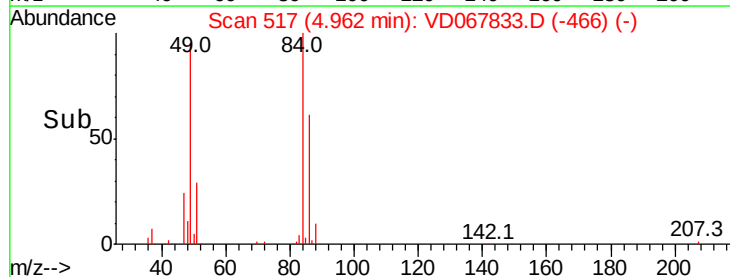
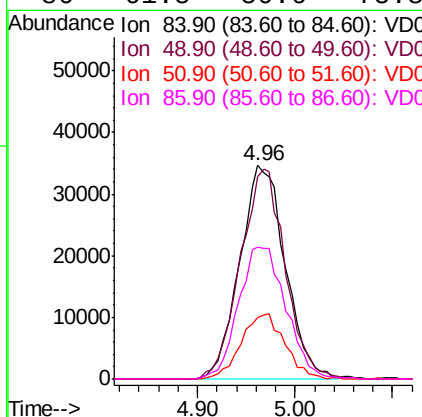
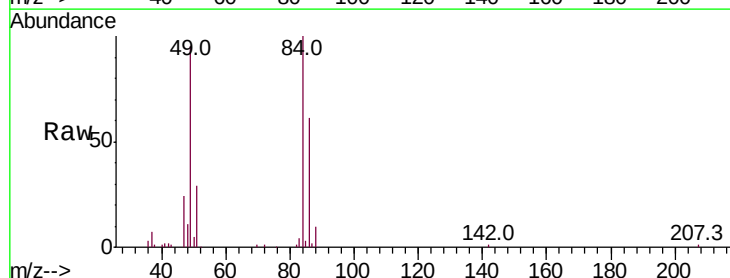
Tot Ion: 73 Resp: 236400
 Ion Ratio Lower Upper
 73 100
 57 17.4 13.2 19.8

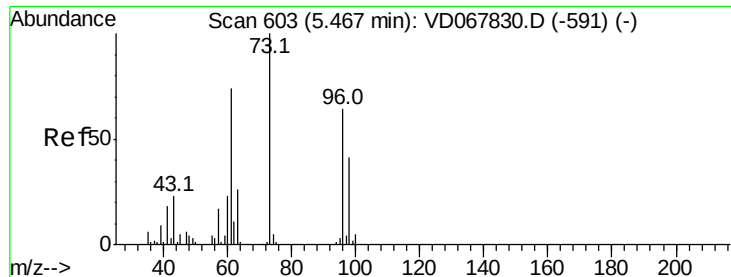


#20

Methylene Chloride
 Concen: 55.091 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 84 Resp: 112754
 Ion Ratio Lower Upper
 84 100
 49 94.6 71.4 107.0
 51 28.5 21.8 32.8
 86 61.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.223 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

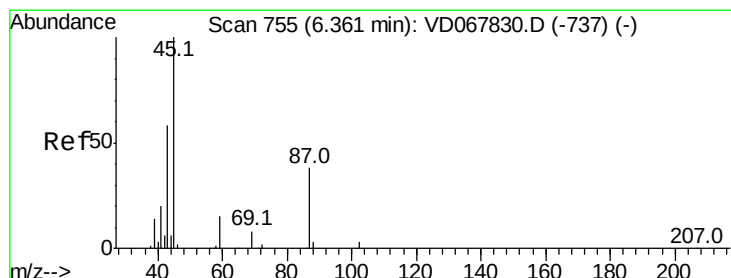
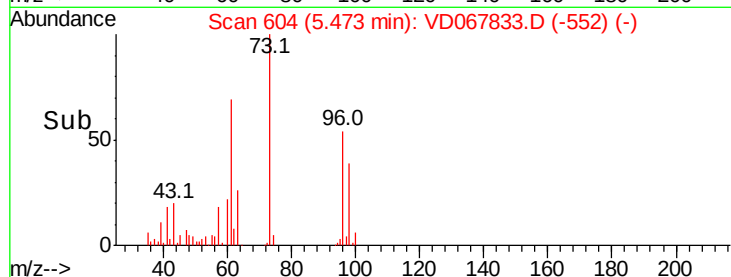
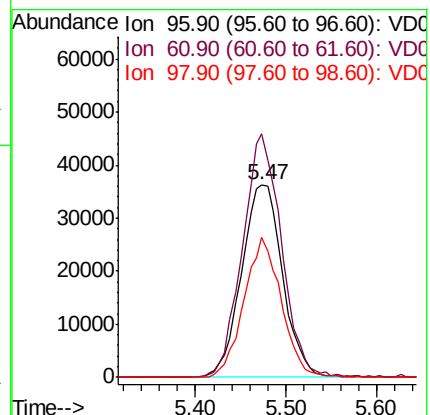
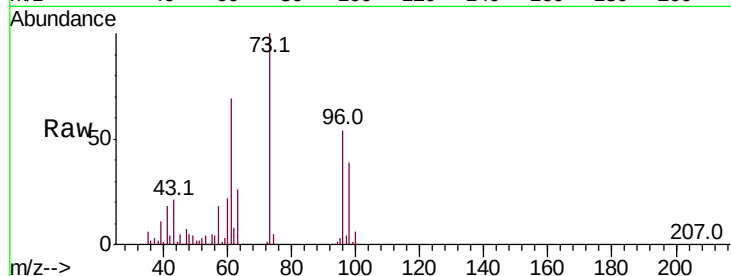
Tot Ion: 96 Resp: 113658

Ion Ratio Lower Upper

96 100

61 126.2 93.1 139.7

98 72.5 52.2 78.2



#22

Diisopropyl ether

Concen: 54.645 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Tgt Ion: 45 Resp: 202206

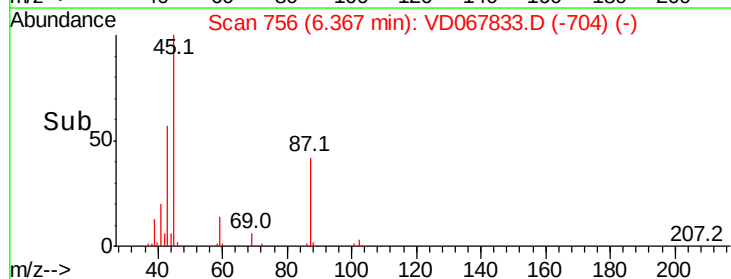
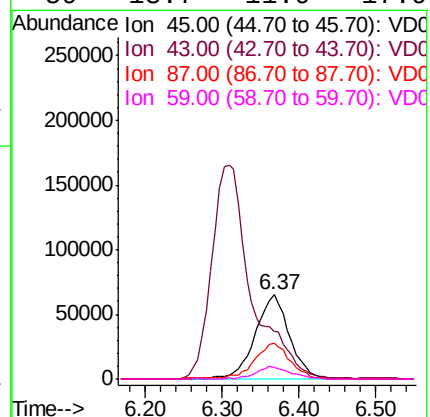
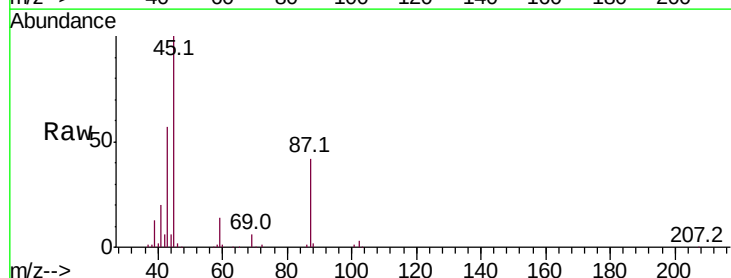
Ion Ratio Lower Upper

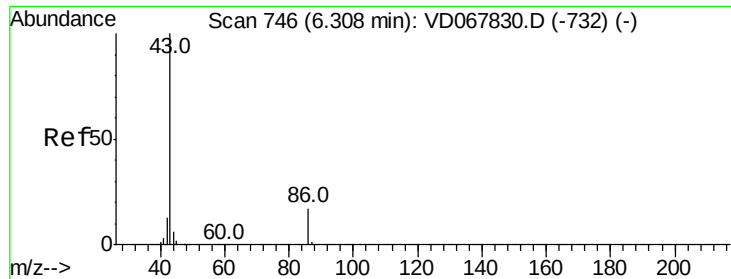
45 100

43 55.7 49.8 74.6

87 42.3 32.1 48.1

59 13.7 11.9 17.9





#23

Vinyl Acetate

Concen: 287.129 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

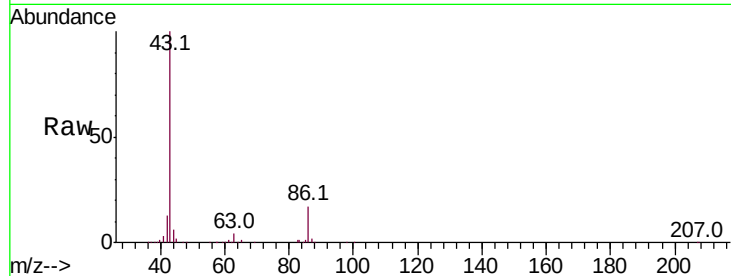
ICVVD120120

Tot Ion: 43 Resp: 591071

Ion Ratio Lower Upper

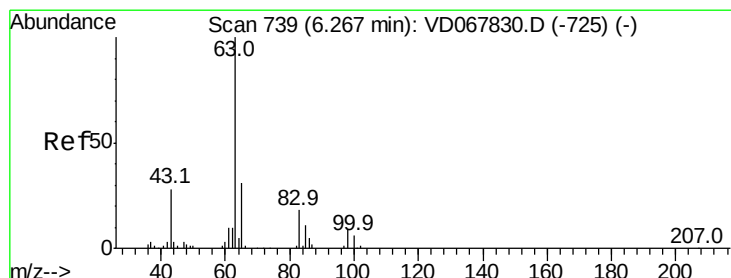
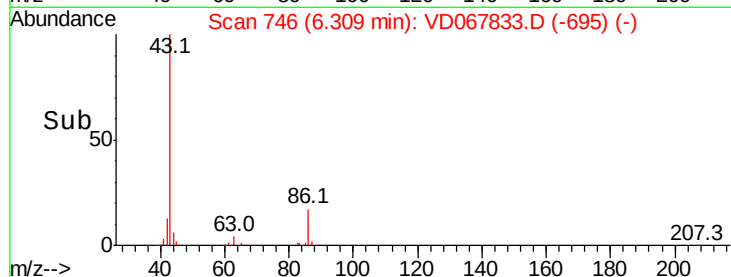
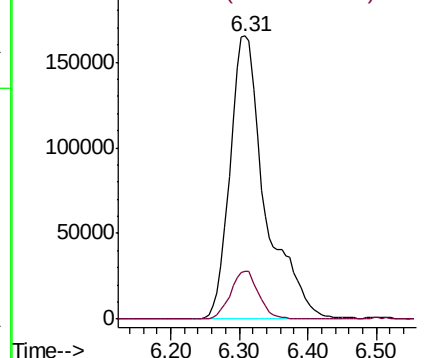
43 100

86 17.1 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.506 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

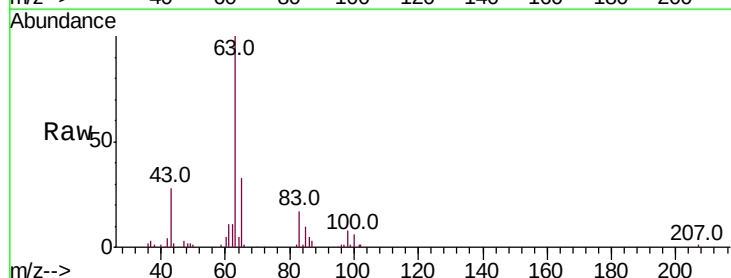
Tgt Ion: 63 Resp: 167071

Ion Ratio Lower Upper

63 100

98 8.4 4.5 13.5

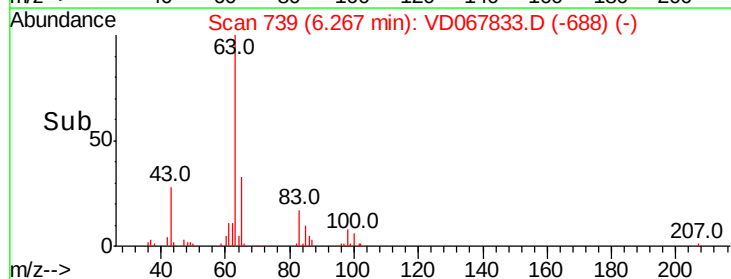
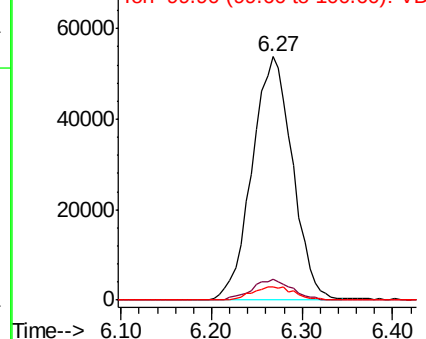
100 5.5 3.0 9.2

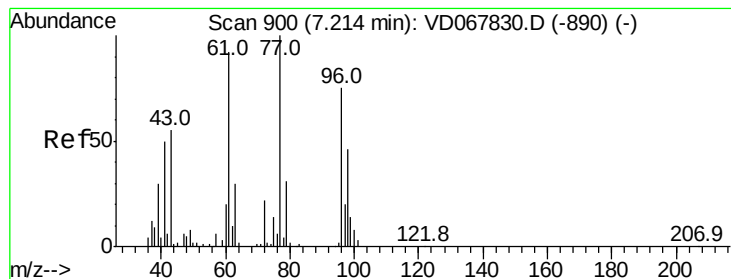


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 275.277 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

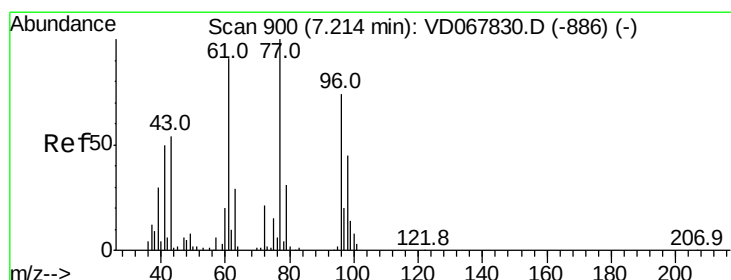
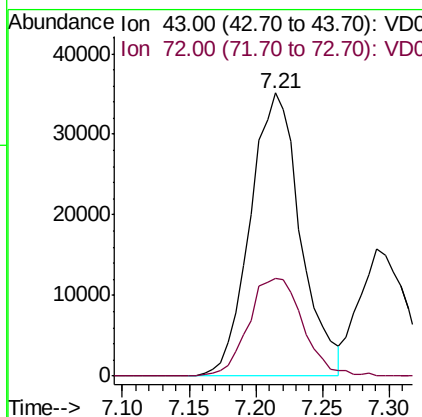
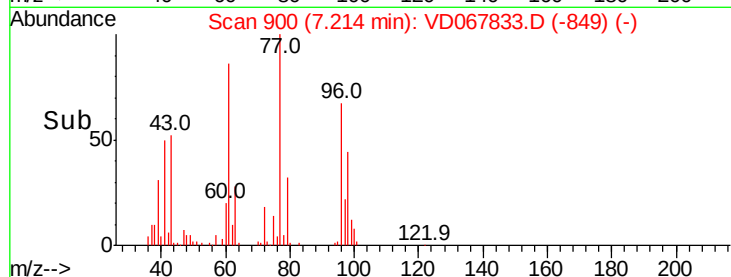
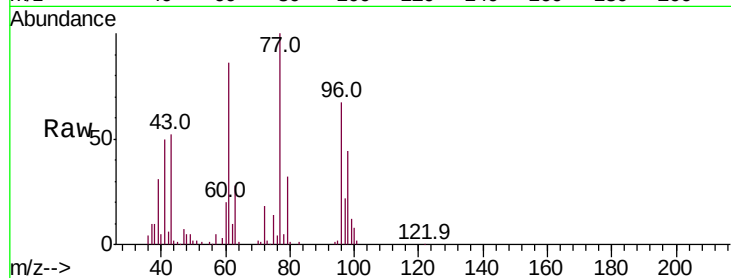
ICVVD120120

Tot Ion: 43 Resp: 92182

Ion Ratio Lower Upper

43 100

72 34.3 31.3 46.9



#26

2,2-Dichloropropane

Concen: 50.957 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067833.D

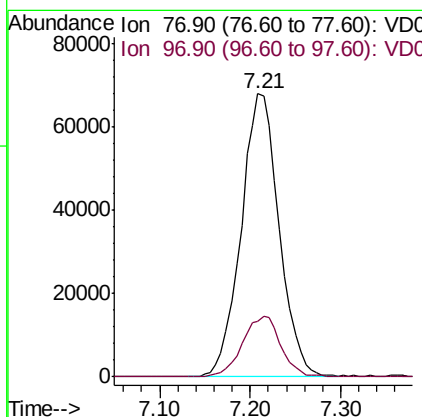
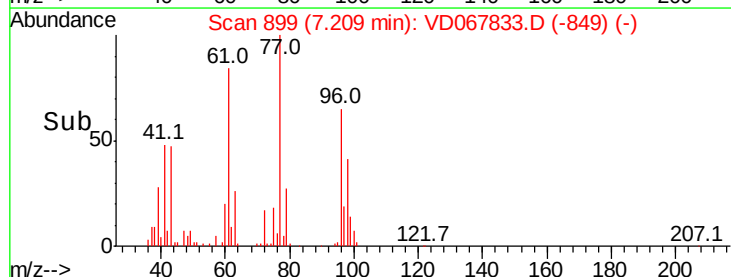
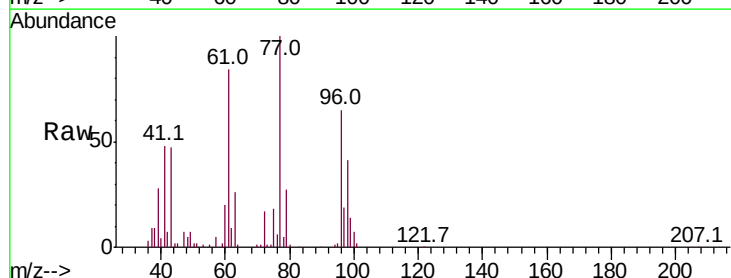
Acq: 01 Dec 2020 13:43

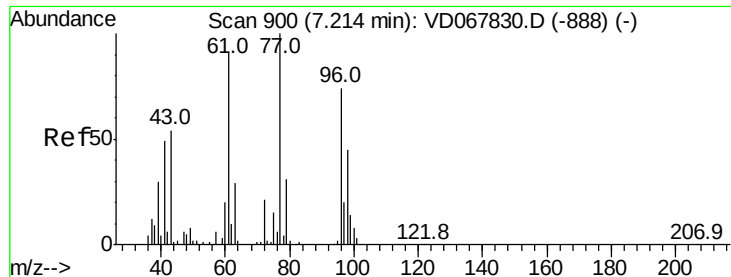
Tgt Ion: 77 Resp: 197102

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1



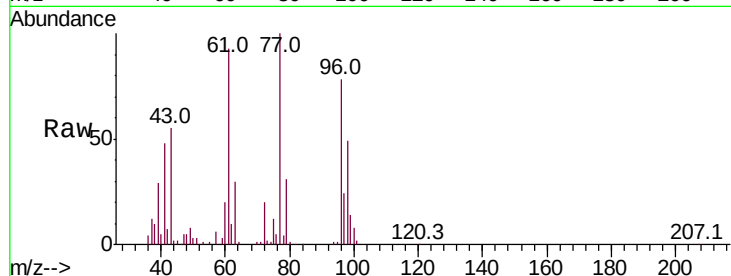


#27

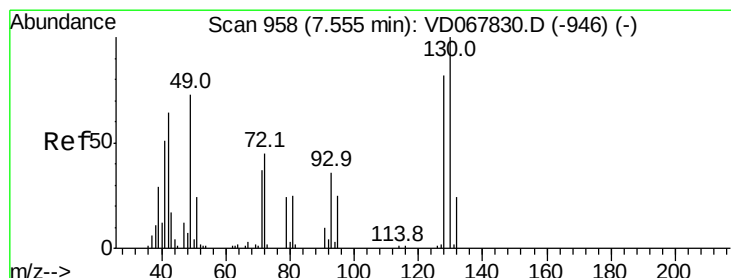
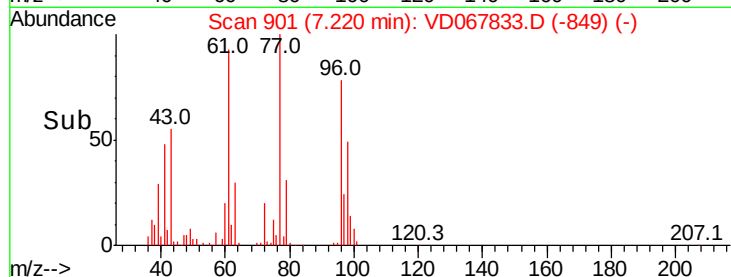
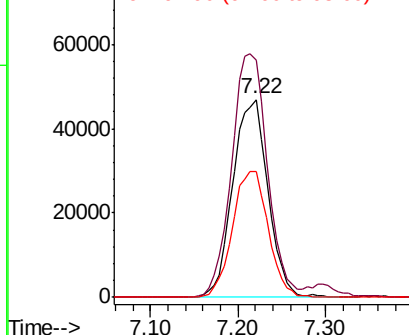
cis-1,2-Dichloroethene
Concen: 51.645 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

Tot Ion: 96 Resp: 127836
Ion Ratio Lower Upper
96 100
61 125.9 0.0 248.4
98 64.5 0.0 127.4



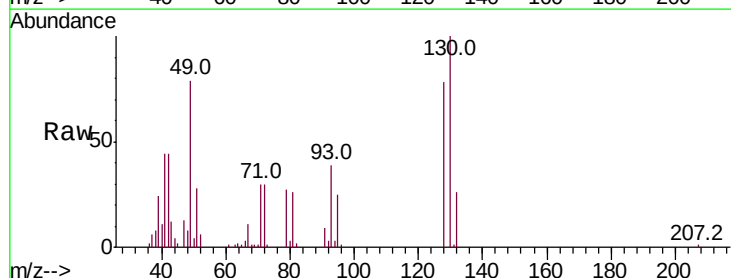
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



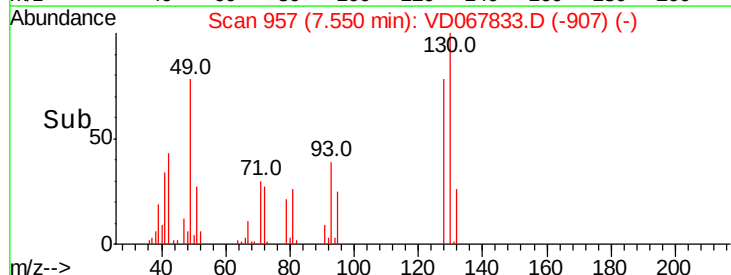
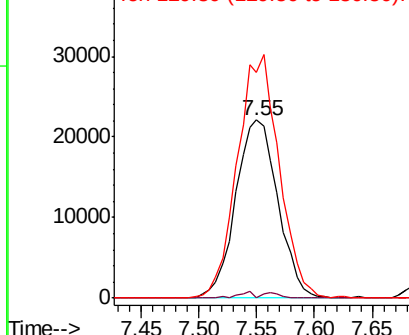
#28

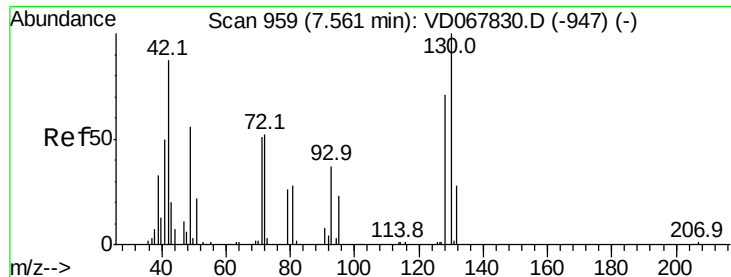
Bromochloromethane
Concen: 54.615 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 49 Resp: 56246
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.4
130 135.3 110.2 165.2



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: 274.846 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

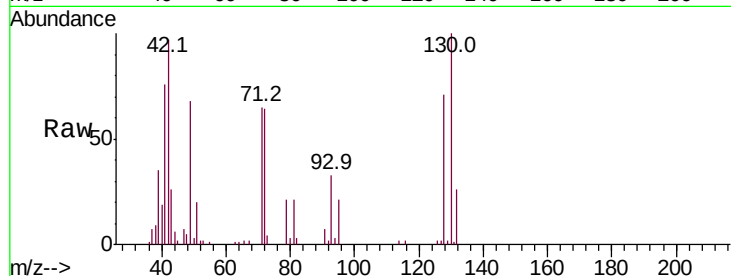
Tot Ion: 42 Resp: 52405

Ion Ratio Lower Upper

42 100

72 64.5 51.9 77.9

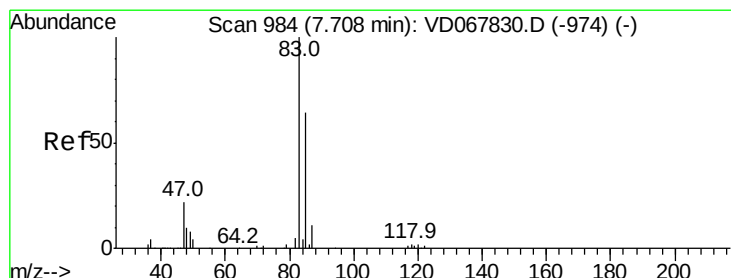
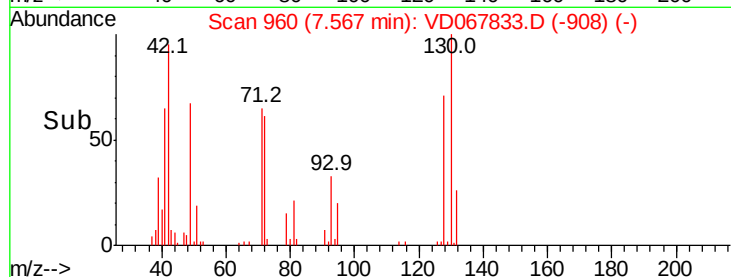
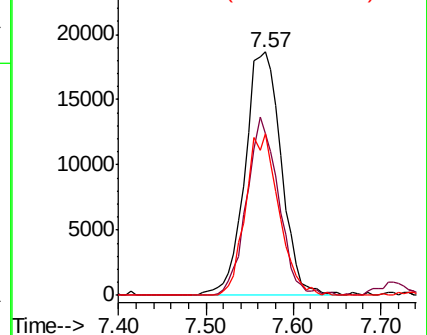
71 60.9 48.2 72.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.146 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067833.D

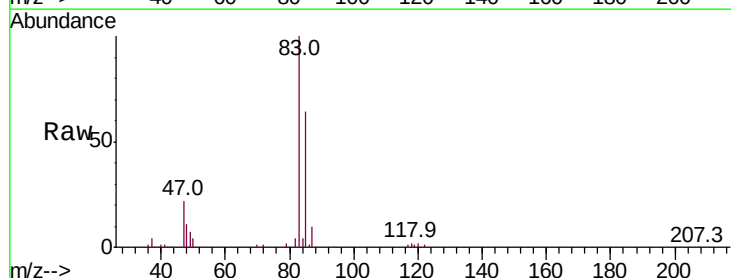
Acq: 01 Dec 2020 13:43

Tgt Ion: 83 Resp: 221712

Ion Ratio Lower Upper

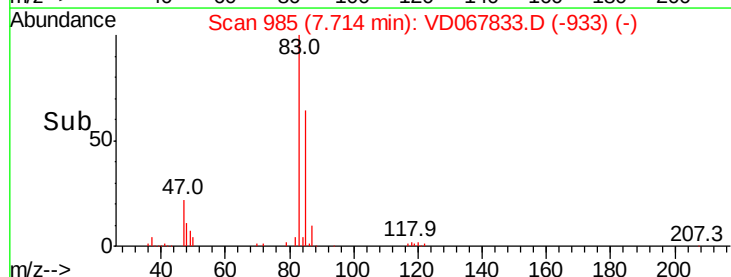
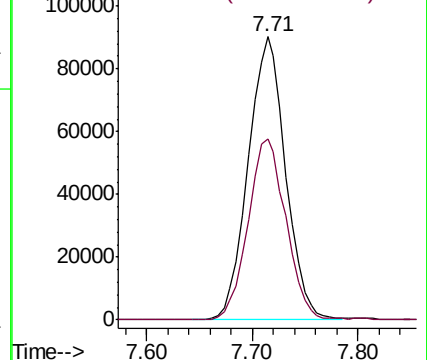
83 100

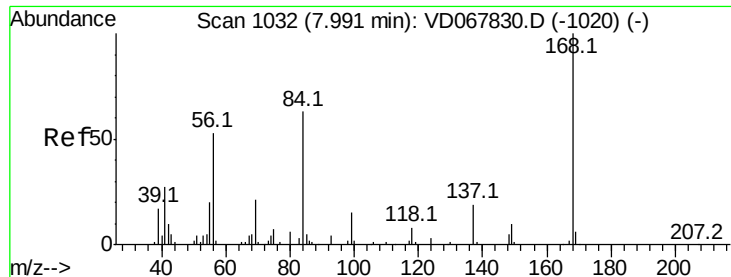
85 63.8 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

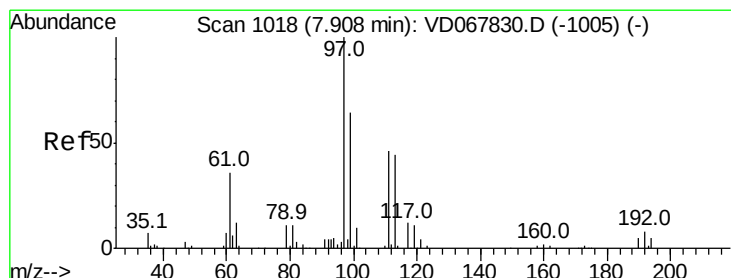
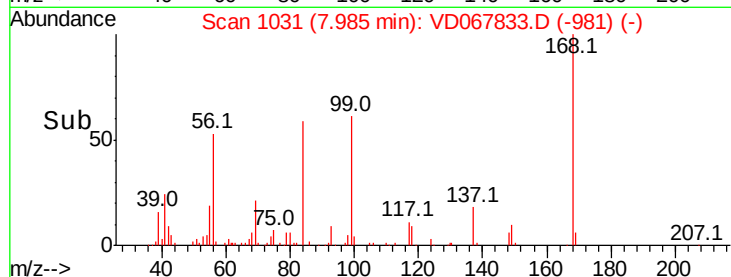
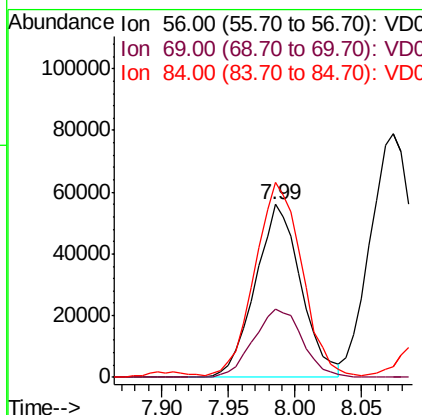
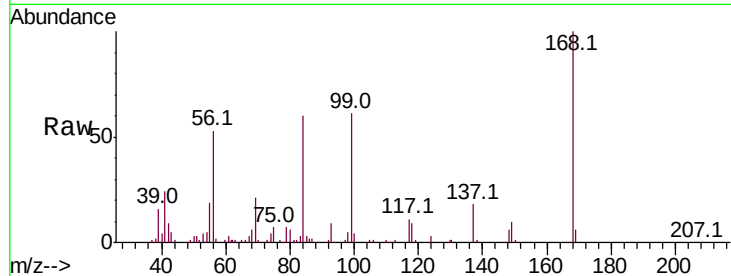




#31
Cyclohexane
Concen: 49.067 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

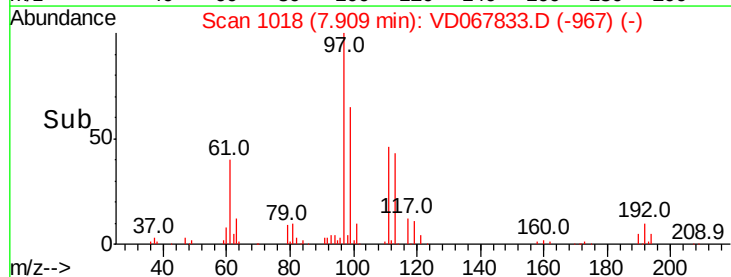
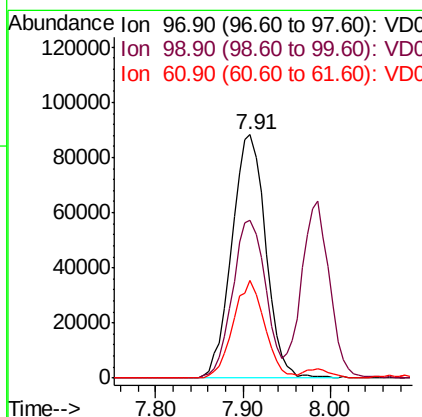
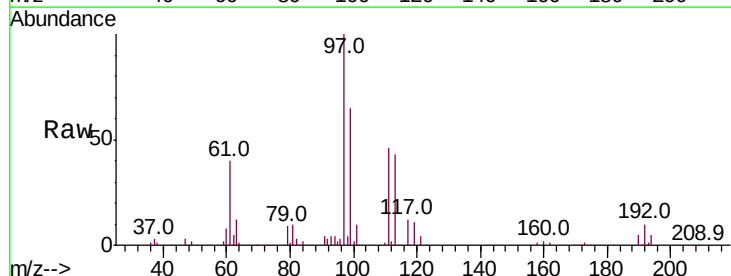
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

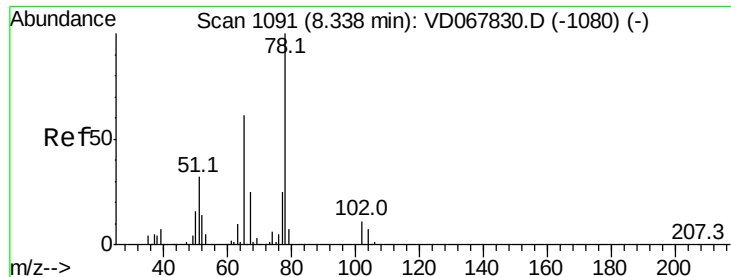
Tot Ion: 56 Resp: 133192
Ion Ratio Lower Upper
56 100
69 39.3 32.1 48.1
84 110.7 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 50.588 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 97 Resp: 231485
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.2
61 37.5 30.8 46.2

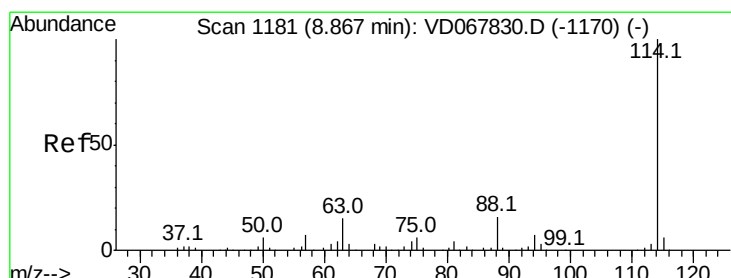
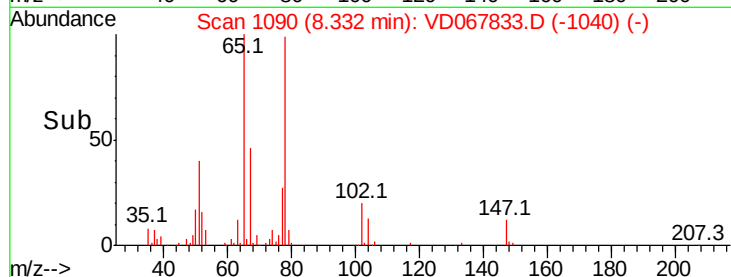
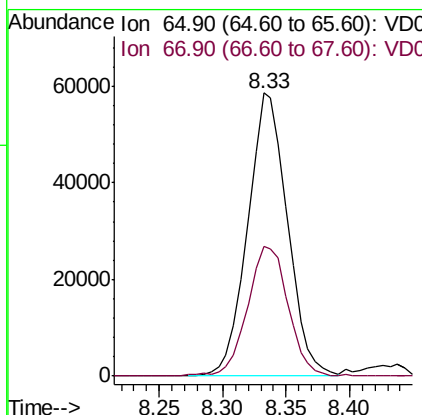
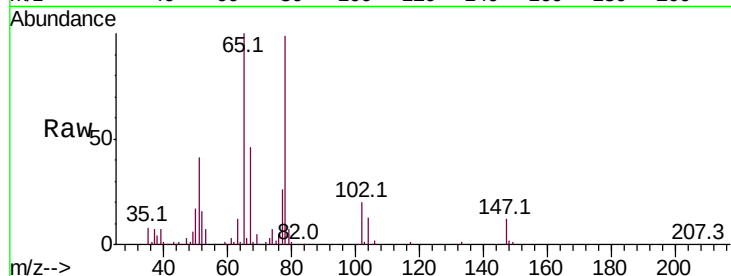




#33
 1,2-Dichloroethane-d4
 Concen: 49.653 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

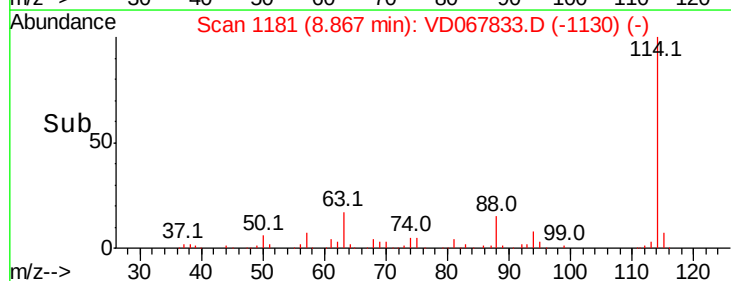
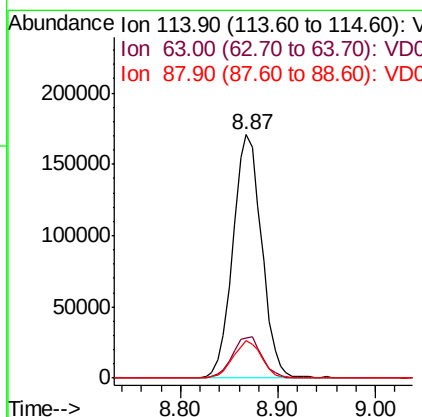
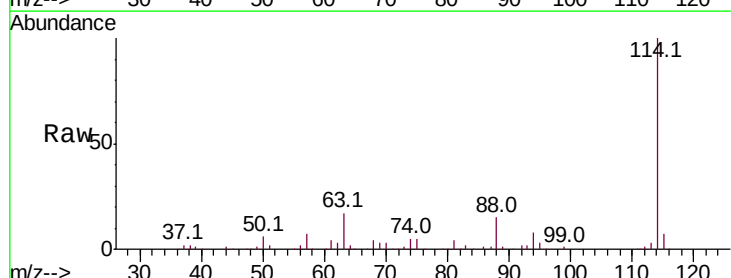
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

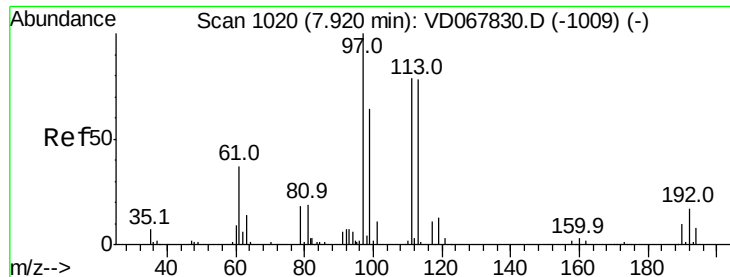
Tot Ion: 65 Resp: 127930
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 114 Resp: 348979
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 30.8
 88 15.4 0.0 31.8

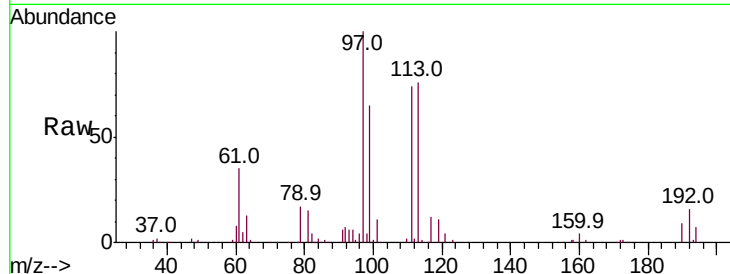




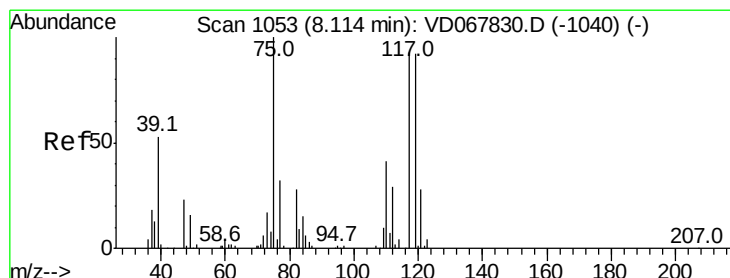
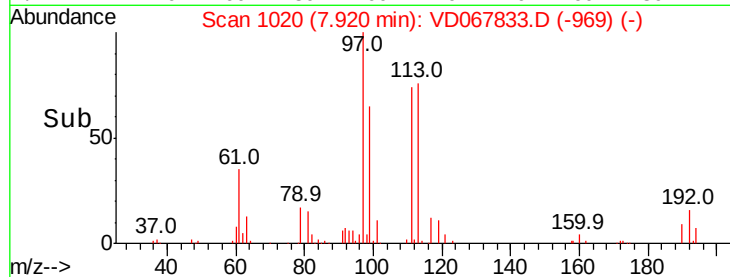
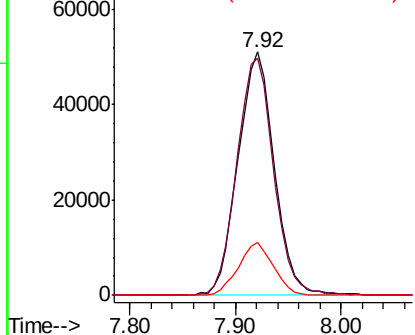
#35
 Dibromofluoromethane
 Concen: 52.045 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Tot Ion:113 Resp: 121534
 Ion Ratio Lower Upper
 113 100
 111 99.4 81.2 121.8
 192 20.8 16.8 25.2

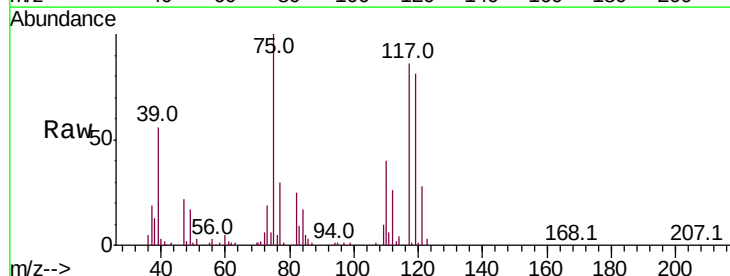


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

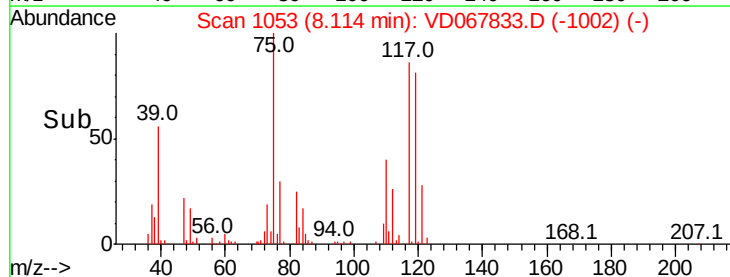
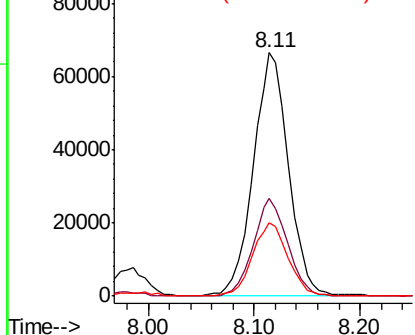


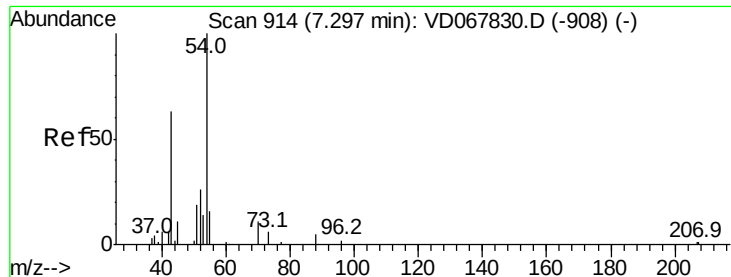
#36
 1,1-Dichloropropene
 Concen: 50.942 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 75 Resp: 153900
 Ion Ratio Lower Upper
 75 100
 110 39.1 20.3 61.0
 77 30.4 24.7 37.1



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: 50.045 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

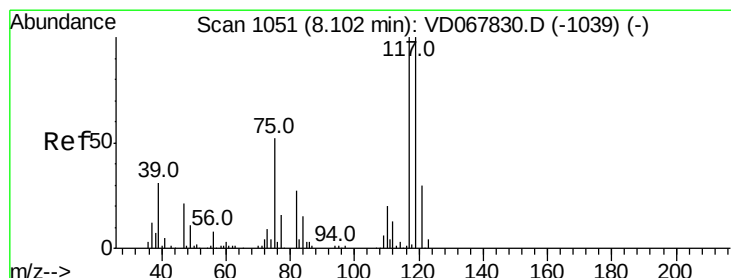
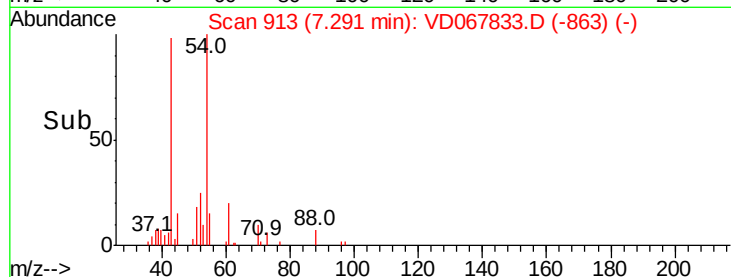
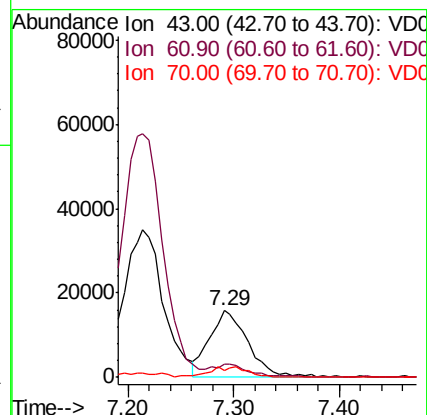
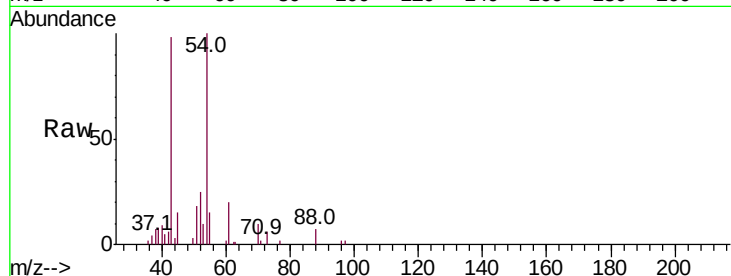
Tot Ion: 43 Resp: 40748

Ion Ratio Lower Upper

43 100

61 15.2 11.4 17.2

70 5.3 11.5 17.3#



#38

Carbon Tetrachloride

Concen: 49.289 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

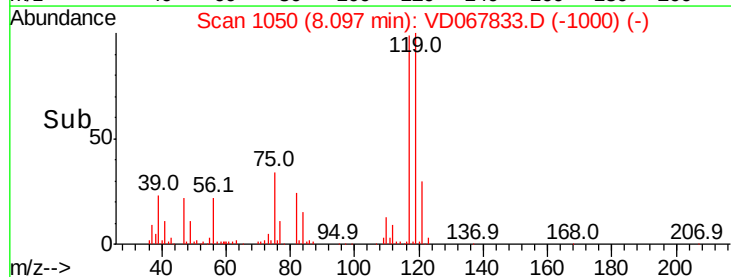
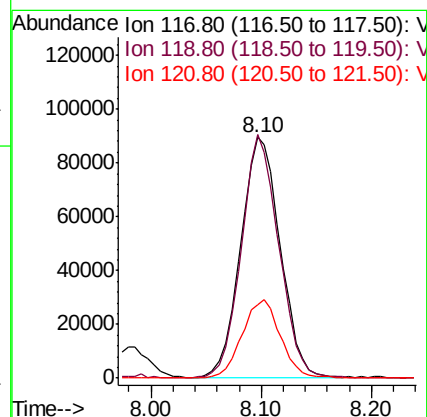
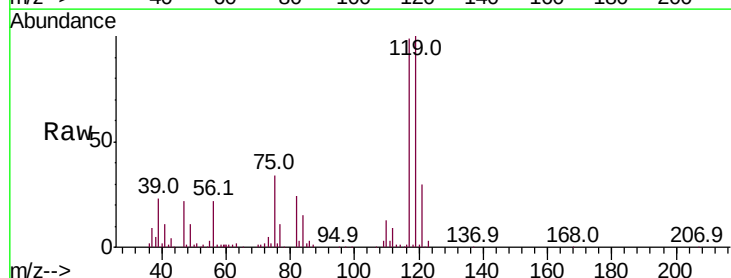
Tgt Ion: 117 Resp: 225300

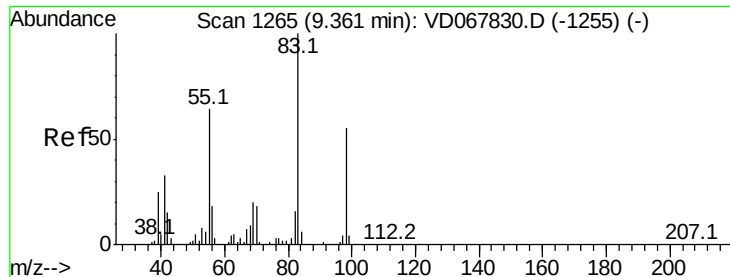
Ion Ratio Lower Upper

117 100

119 101.2 79.7 119.5

121 30.4 23.8 35.6

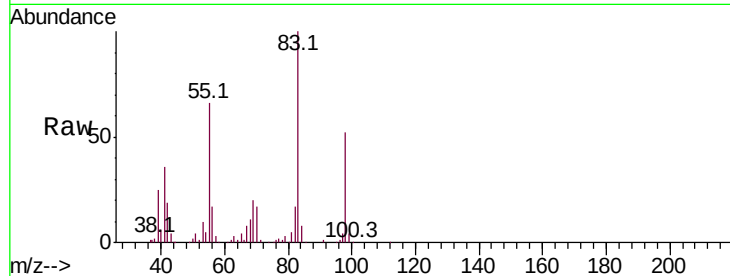




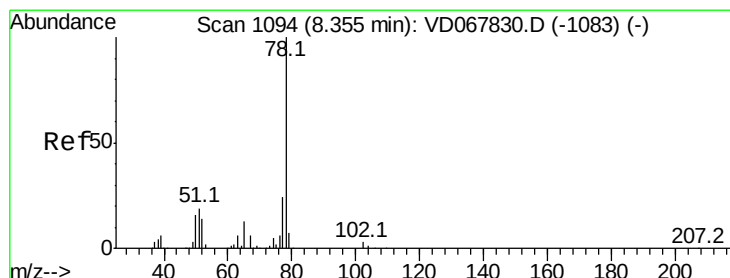
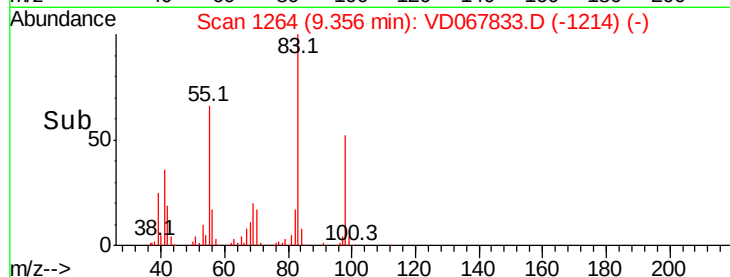
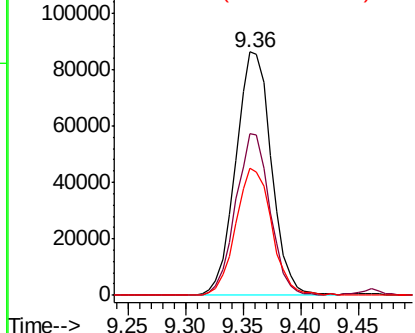
#39
Methylvlcyclohexane
Concen: 51.646 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

Tot Ion: 83 Resp: 184898
Ion Ratio Lower Upper
83 100
55 66.4 51.6 77.4
98 52.0 44.3 66.5

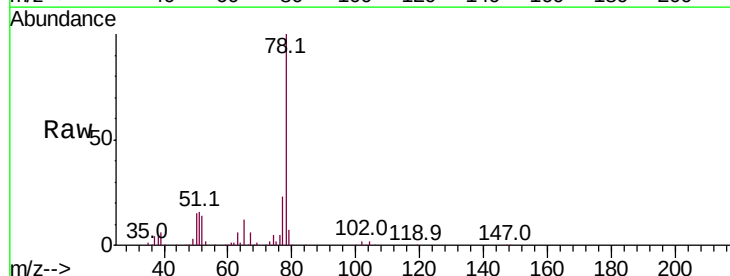


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

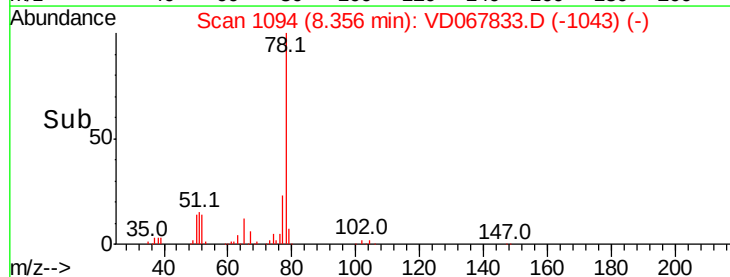
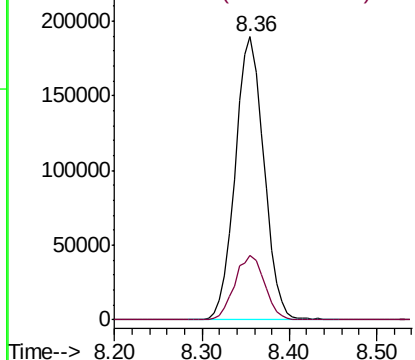


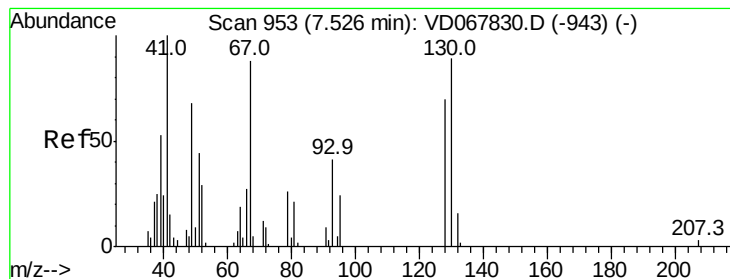
#40
Benzene
Concen: 50.835 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 78 Resp: 420226
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7



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





#41

Methacrylonitrile

Concen: 64.975 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

Tot Ion: 41 Resp: 24156

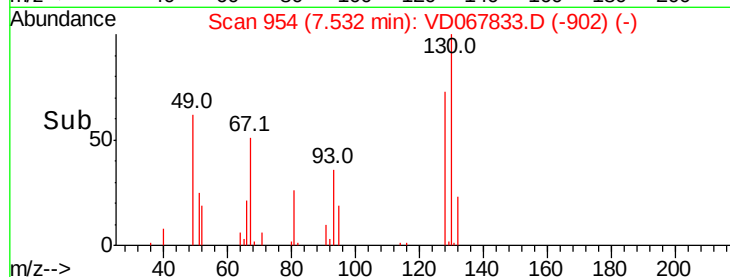
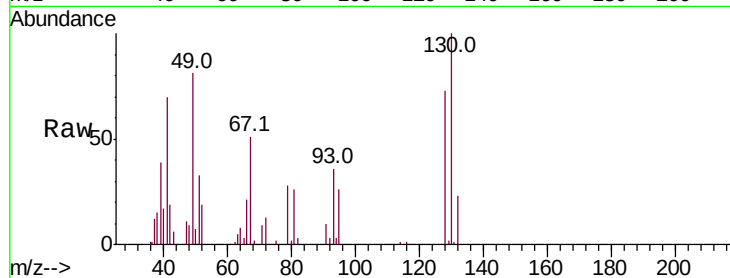
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 100.9 82.4 123.6

52 38.6 30.6 45.8

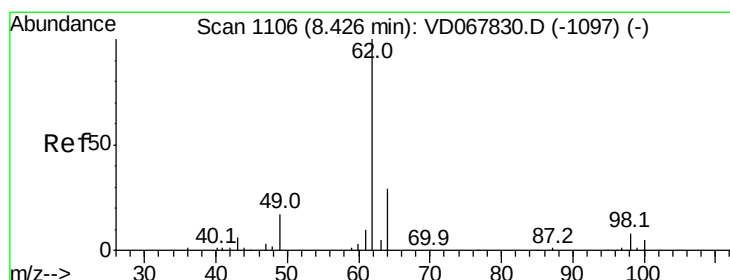
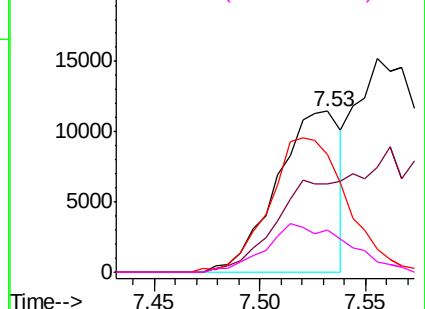


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.656 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067833.D

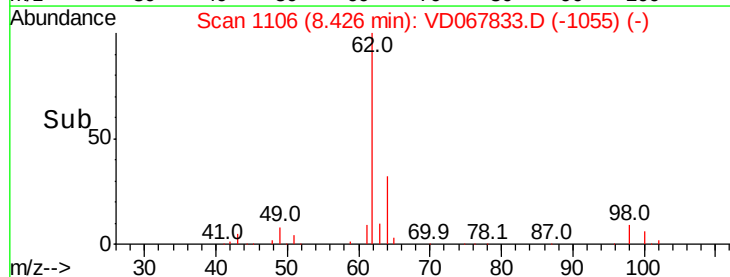
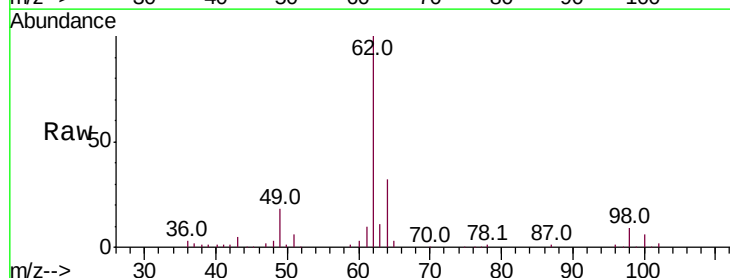
Acq: 01 Dec 2020 13:43

Tgt Ion: 62 Resp: 149245

Ion Ratio Lower Upper

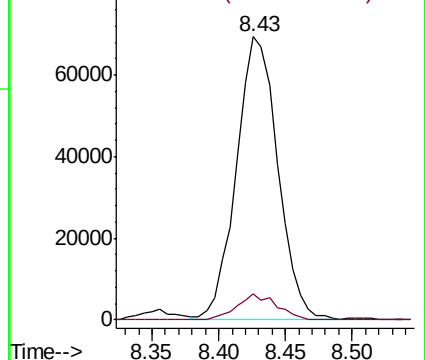
62 100

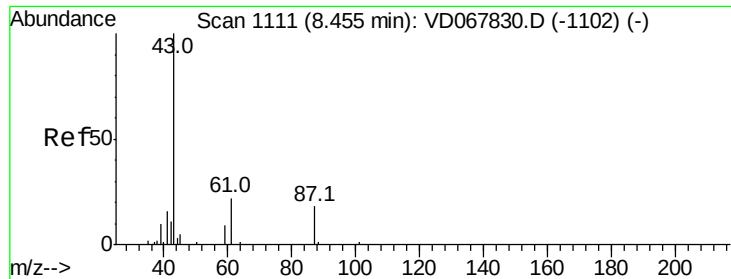
98 8.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.128 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

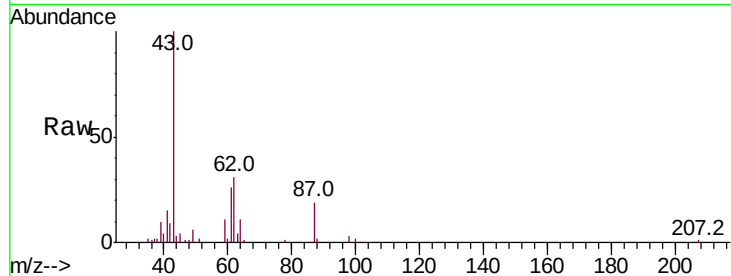
Tot Ion: 43 Resp: 81911

Ion Ratio Lower Upper

43 100

61 39.9 30.4 45.6

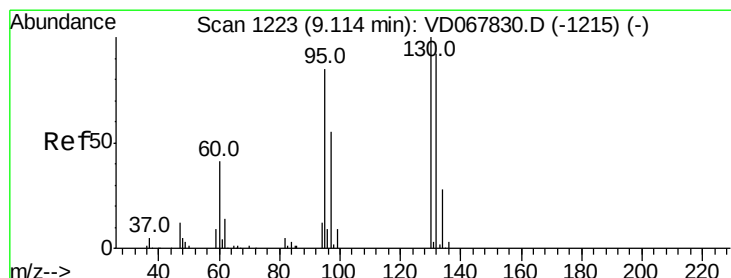
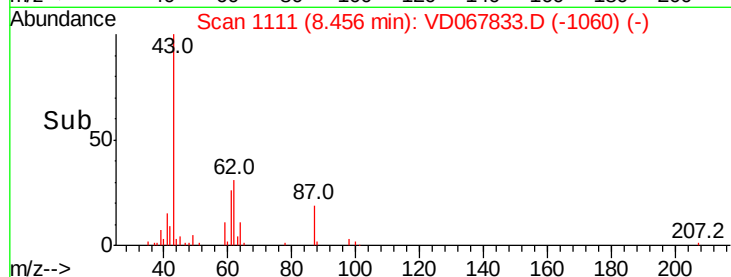
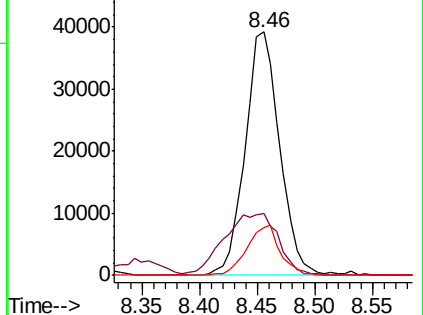
87 19.7 16.2 24.2



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: 49.300 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067833.D

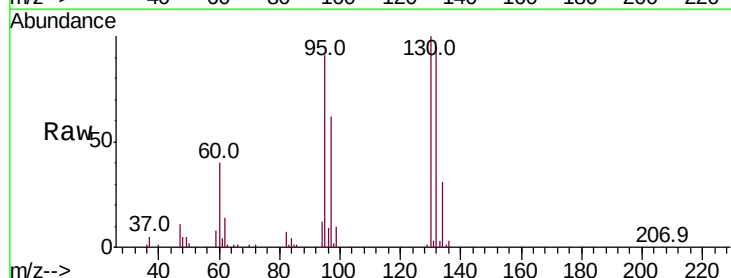
Acq: 01 Dec 2020 13:43

Tgt Ion:130 Resp: 140118

Ion Ratio Lower Upper

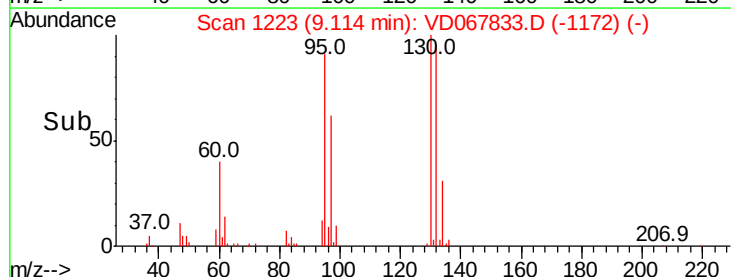
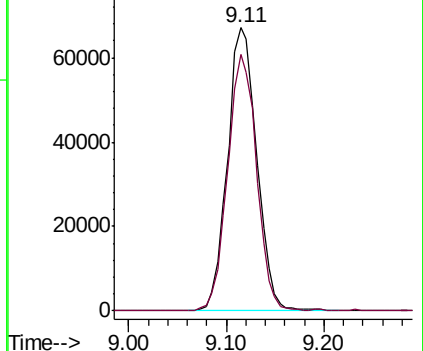
130 100

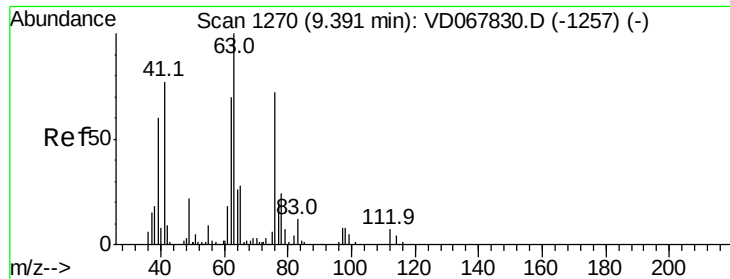
95 90.6 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

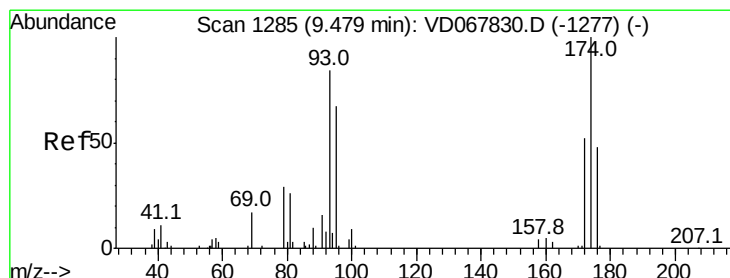
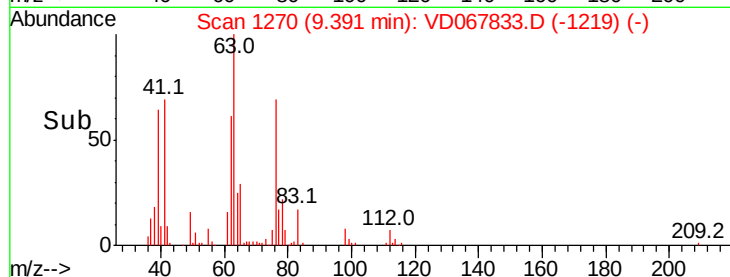
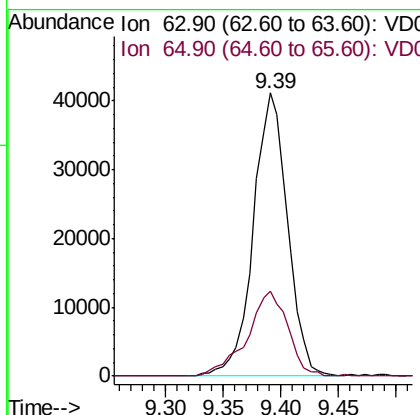
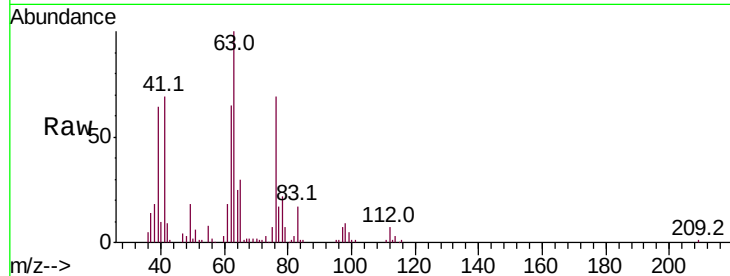




#45
 1,2-Dichloropropane
 Concen: 50.216 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

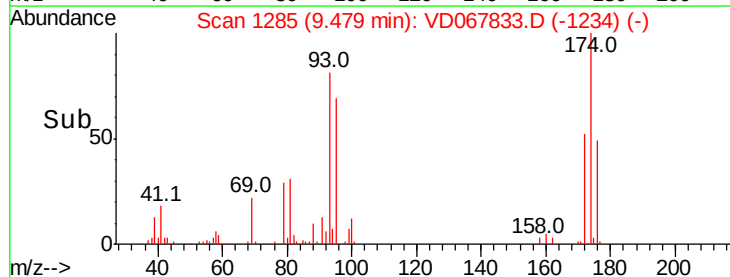
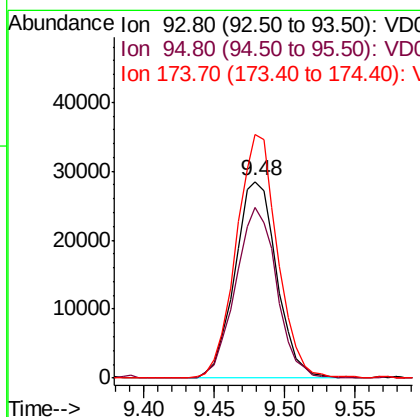
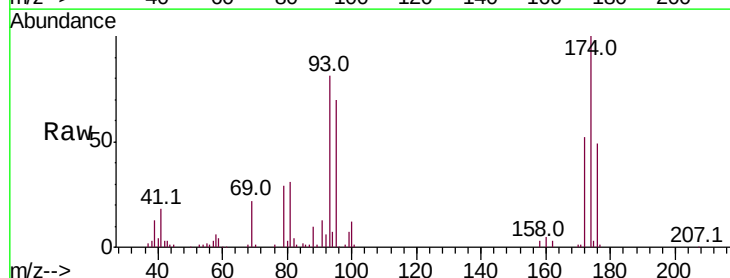
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

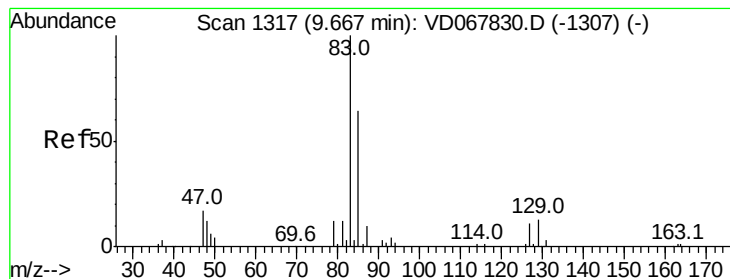
Tot Ion: 63 Resp: 85199
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.8 34.2



#46
 Dibromomethane
 Concen: 50.012 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 93 Resp: 58996
 Ion Ratio Lower Upper
 93 100
 95 85.6 64.2 96.4
 174 122.1 91.5 137.3





#47

Bromodichloromethane

Concen: 50.540 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

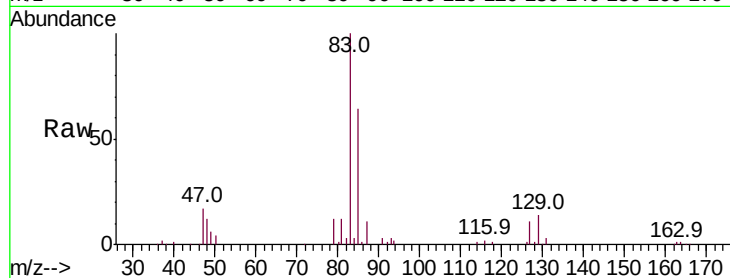
Tot Ion: 83 Resp: 169967

Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.0

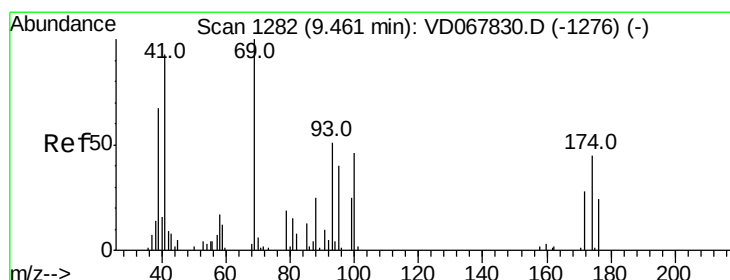
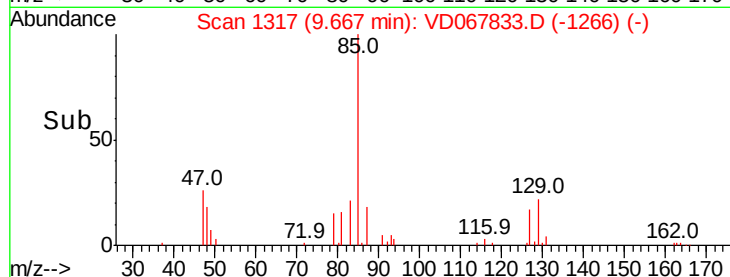
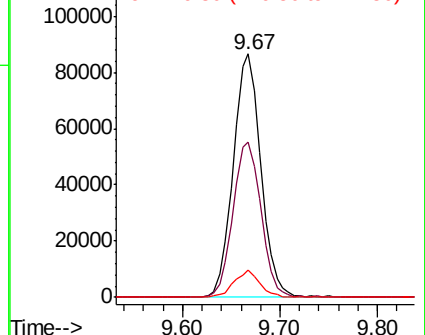
127 11.1 8.5 12.7



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: 52.598 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

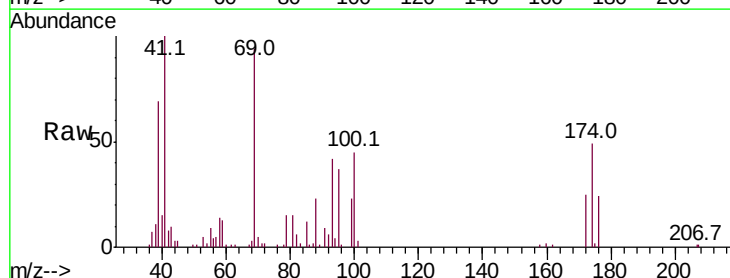
Tgt Ion: 41 Resp: 42789

Ion Ratio Lower Upper

41 100

69 108.2 87.6 131.4

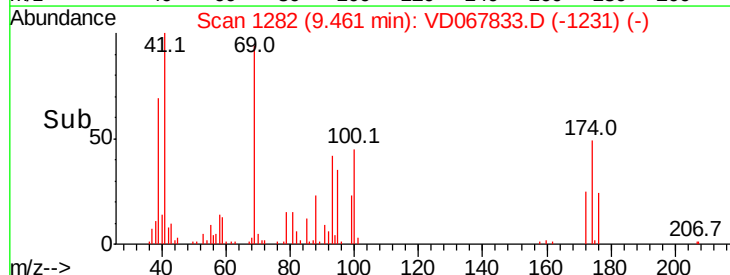
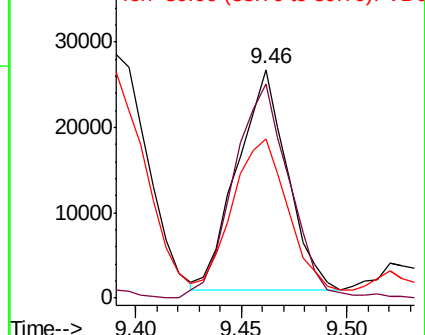
39 83.3 61.2 91.8

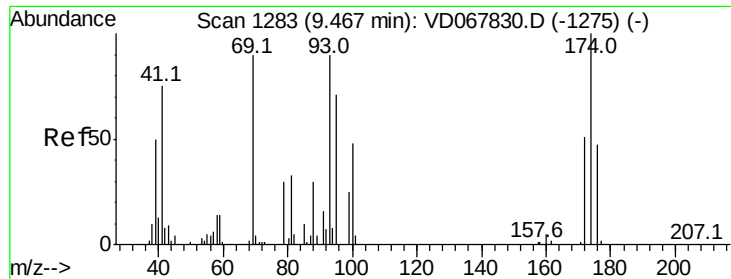


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

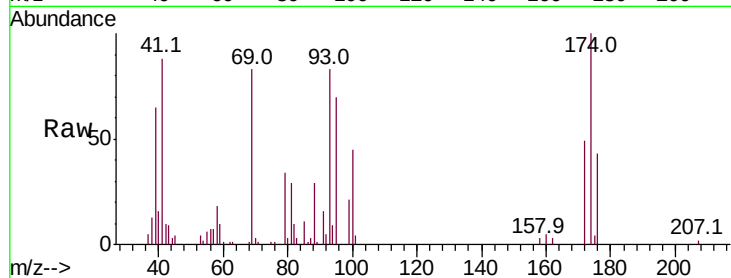




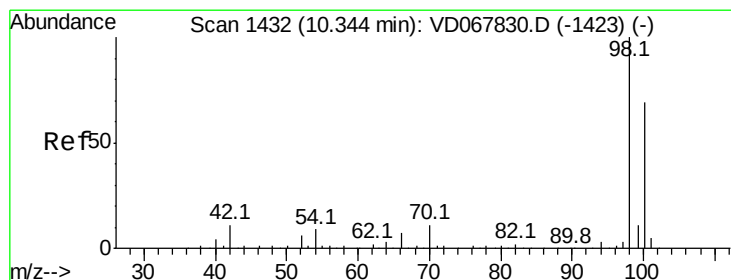
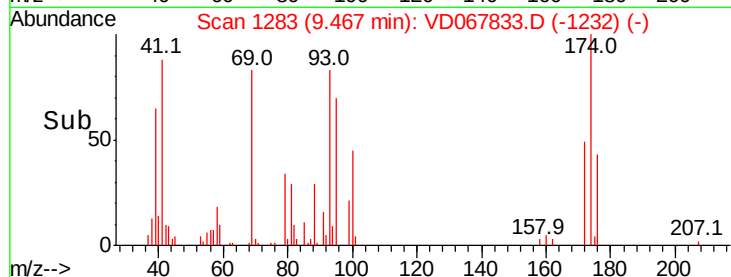
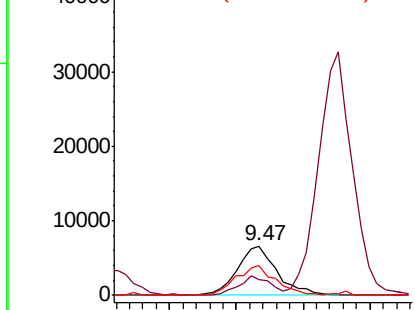
#49
1,4-Dioxane
Concen: 1009.179 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

Tot Ion: 88 Resp: 13603
Ion Ratio Lower Upper
88 100
43 31.3 30.1 45.1
58 59.8 42.4 63.6

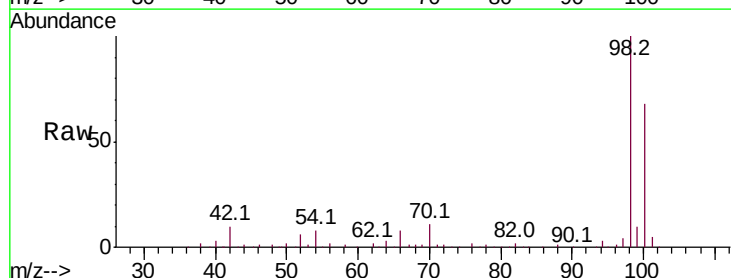


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

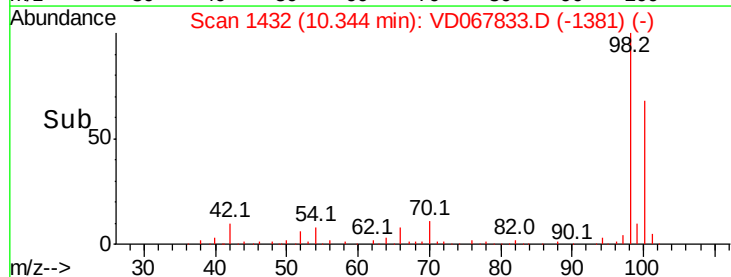
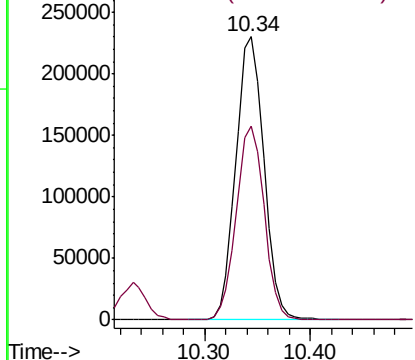


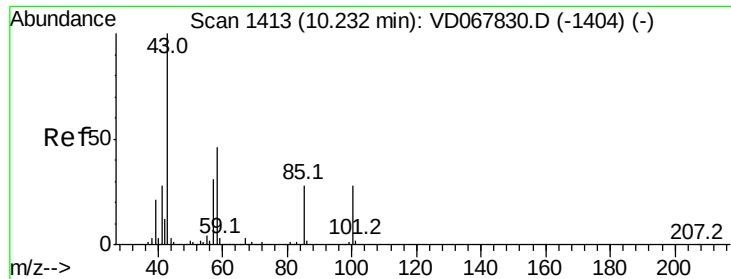
#50
Toluene-d8
Concen: 50.474 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 98 Resp: 424295
Ion Ratio Lower Upper
98 100
100 68.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

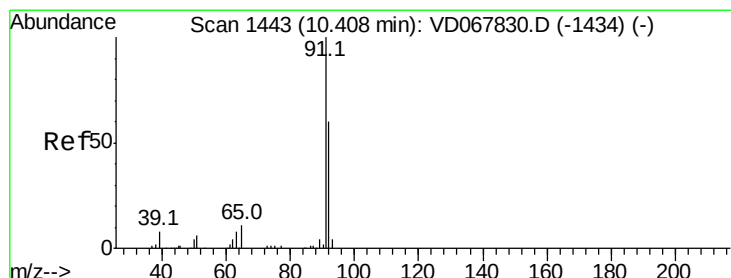
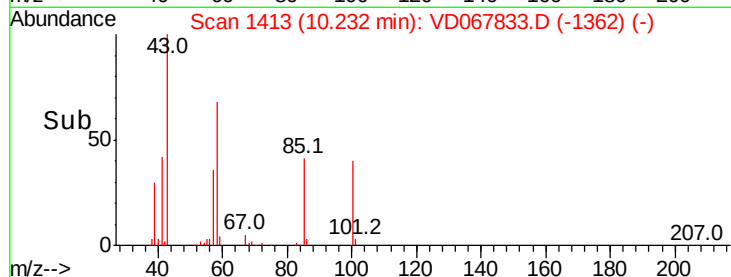
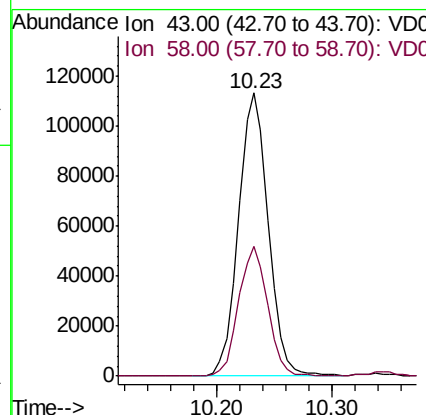
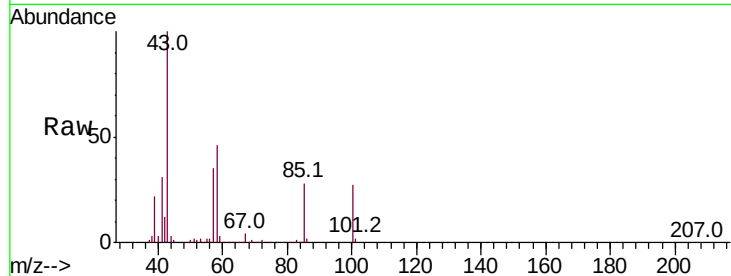




#51
 4-Methyl-2-Pentanone
 Concen: 266.270 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

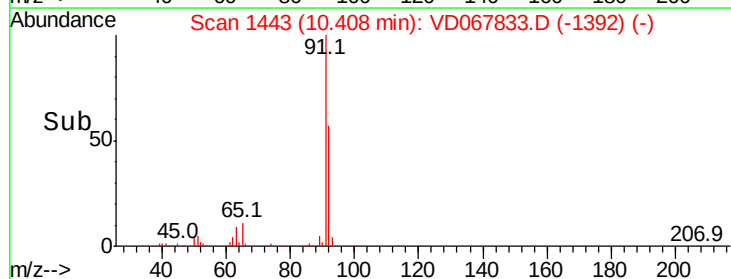
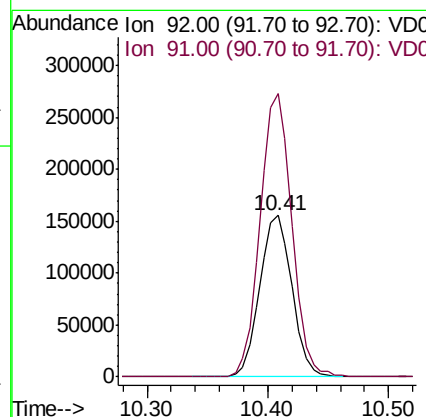
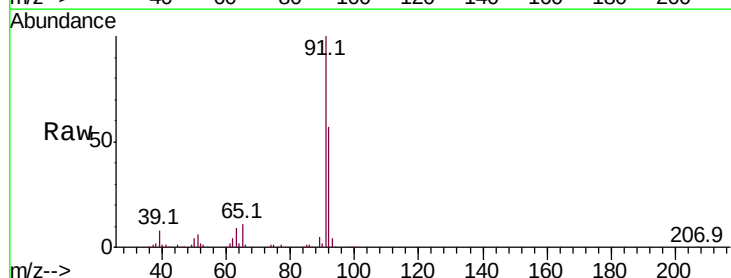
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

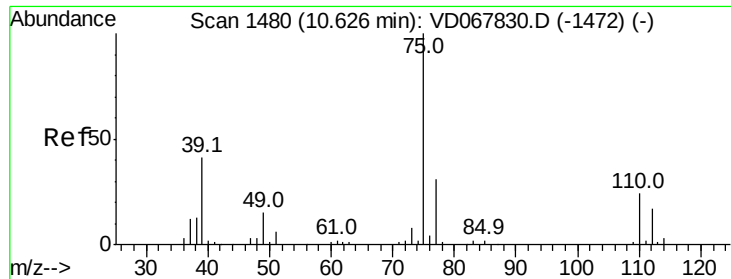
Tot Ion: 43 Resp: 201899
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.7 53.5



#52
 Toluene
 Concen: 50.069 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 92 Resp: 289379
 Ion Ratio Lower Upper
 92 100
 91 173.4 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 52.328 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

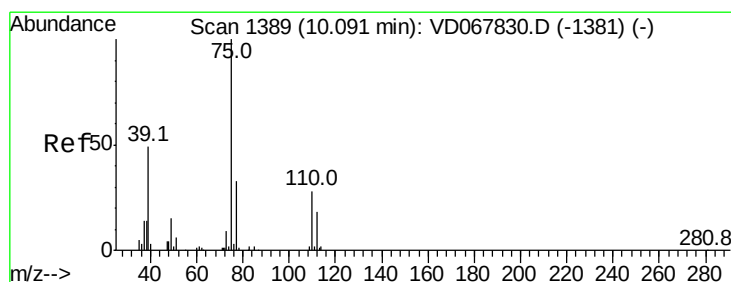
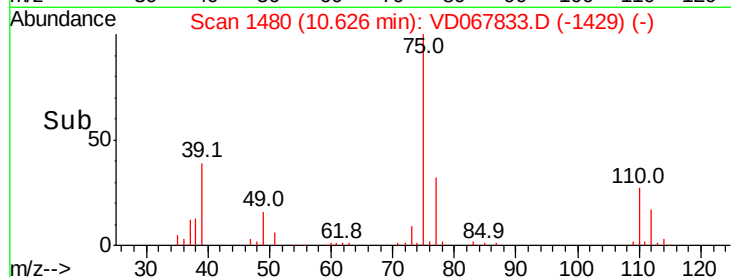
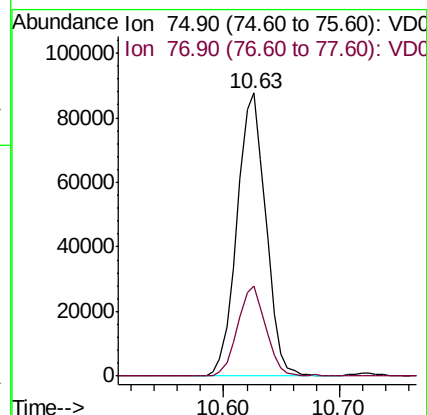
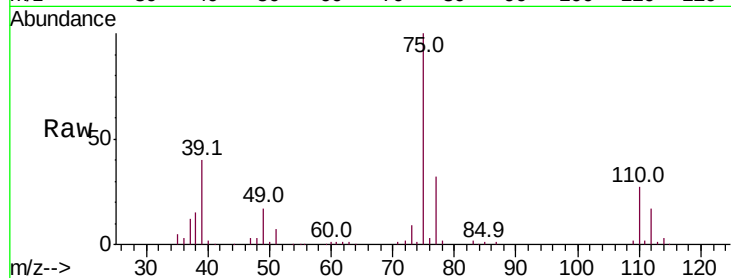
ICVVD120120

Tot Ion: 75 Resp: 151890

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.992 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

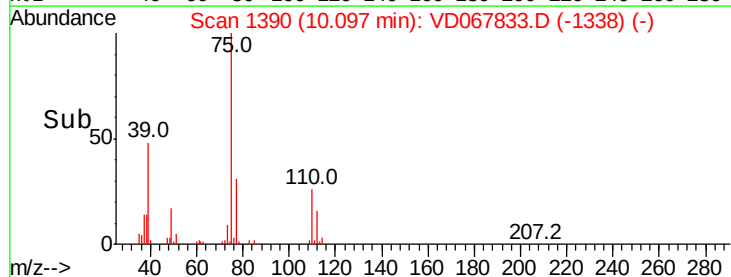
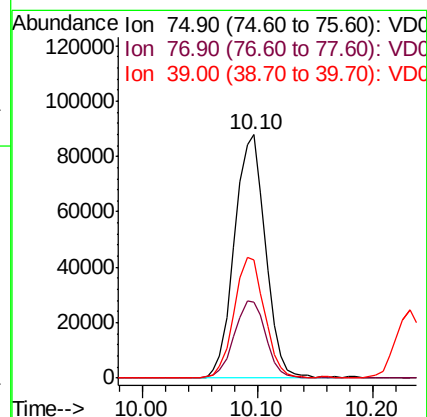
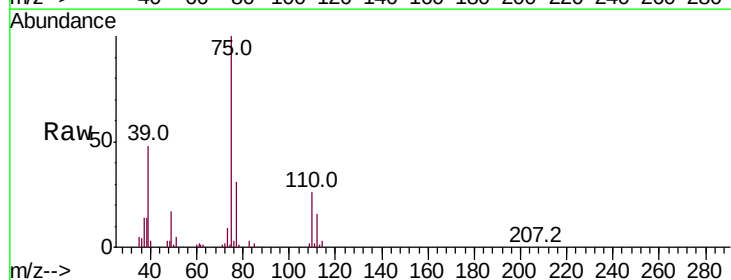
Tgt Ion: 75 Resp: 164157

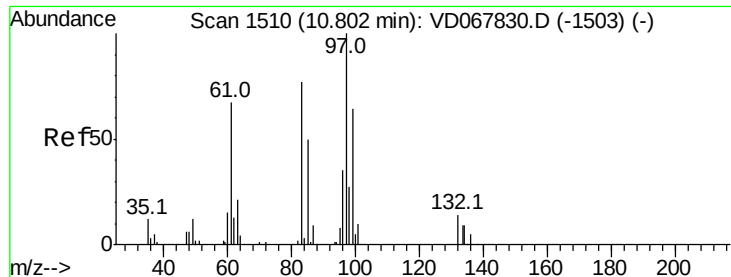
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 48.3 39.0 58.4

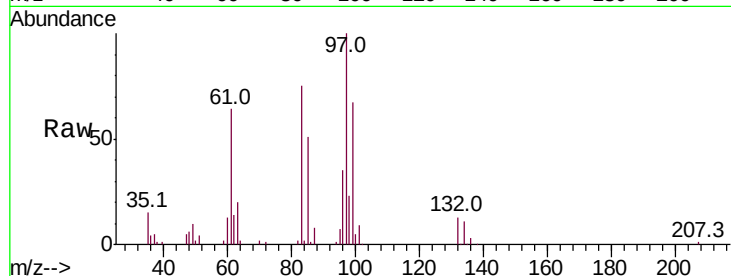




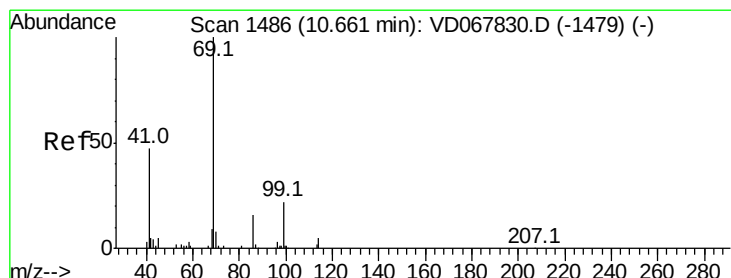
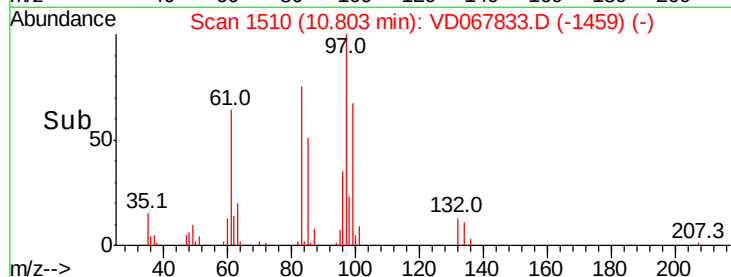
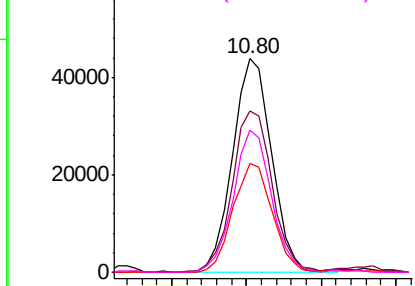
#55
 1,1,2-Trichloroethane
 Concen: 49.578 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Tot Ion:	97	Resp:	80037
Ion	Ratio	Lower	Upper
97	100		
83	74.9	61.9	92.9
85	50.8	40.2	60.4
99	66.6	51.0	76.6

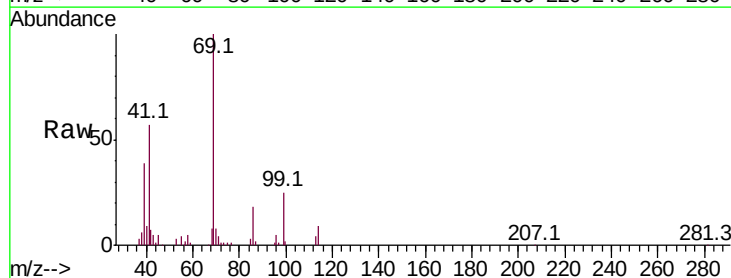


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

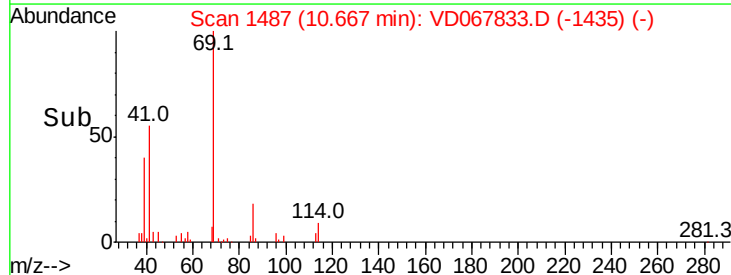
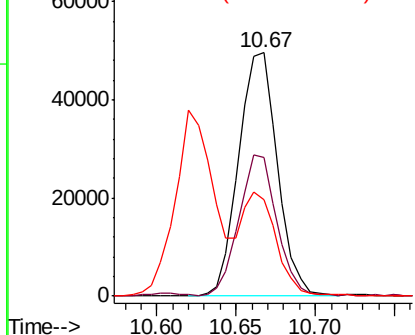


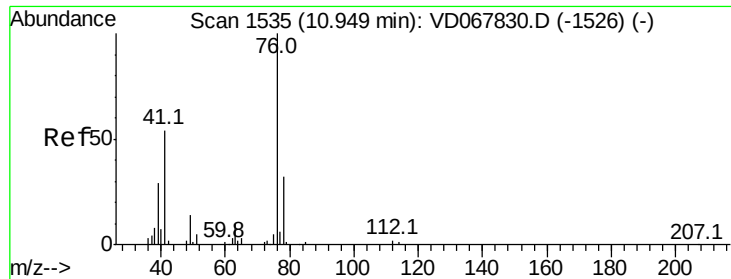
#56
 Ethyl methacrylate
 Concen: 51.482 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion:	69	Resp:	84561
Ion	Ratio	Lower	Upper
69	100		
41	56.7	42.8	64.2
39	36.2	30.5	45.7



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: 50.006 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

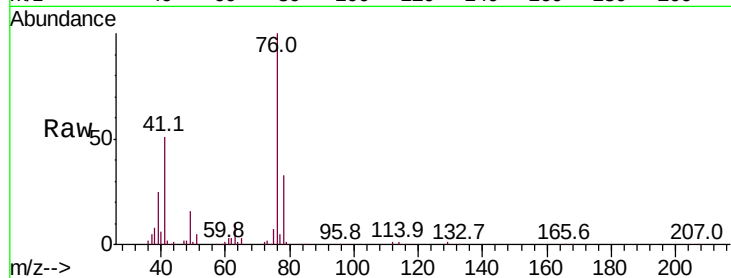
ICVVD120120

Tot Ion: 76 Resp: 127877

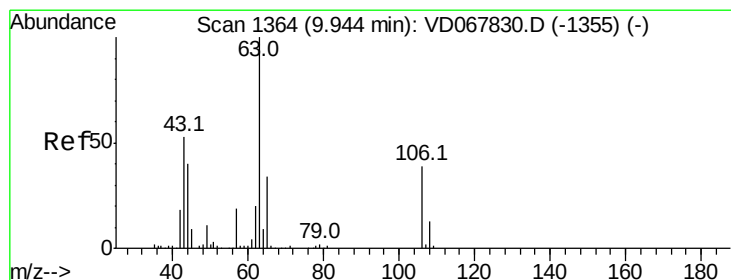
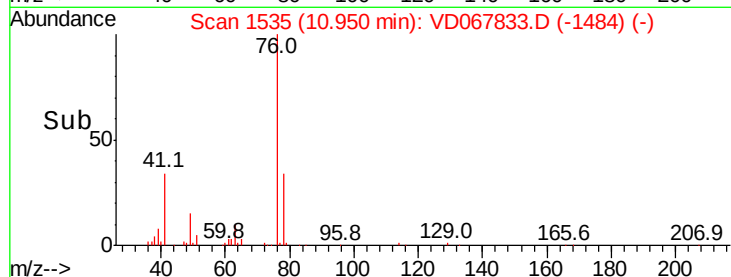
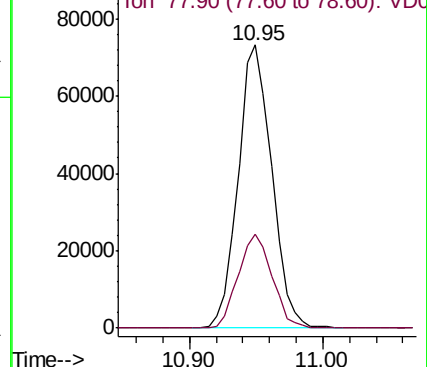
Ion Ratio Lower Upper

76 100

78 33.4 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 279.701 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067833.D

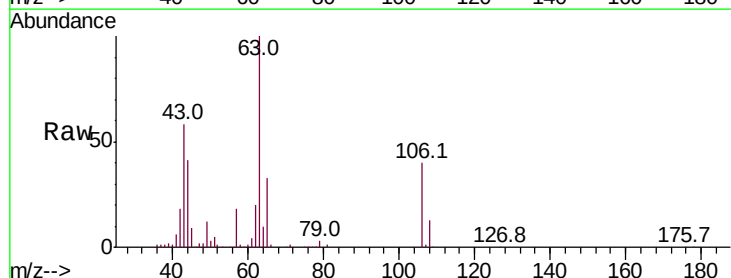
Acq: 01 Dec 2020 13:43

Tgt Ion: 63 Resp: 209051

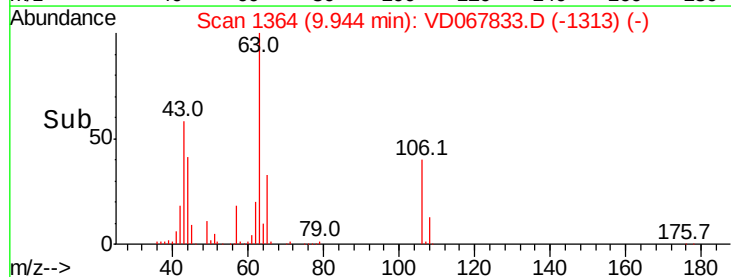
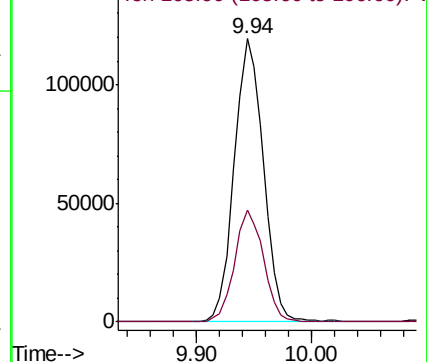
Ion Ratio Lower Upper

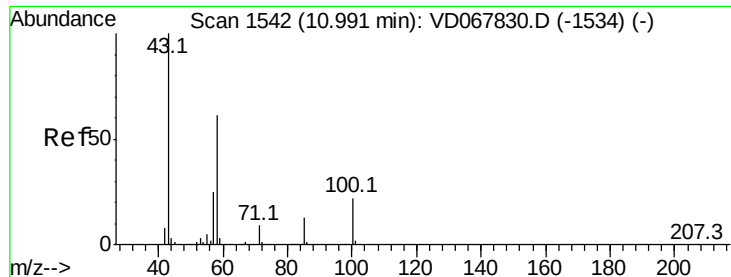
63 100

106 39.5 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

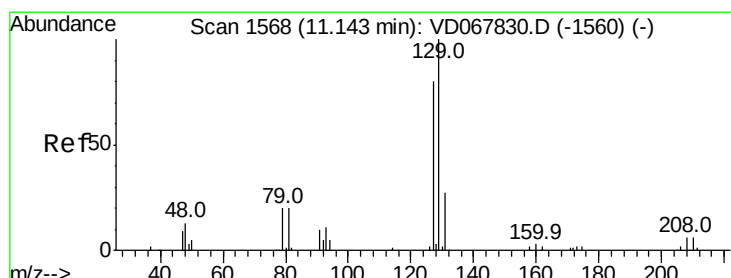
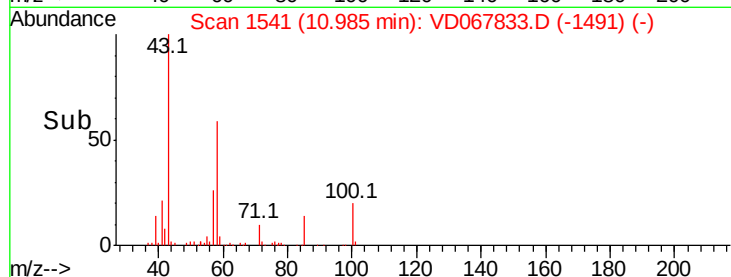
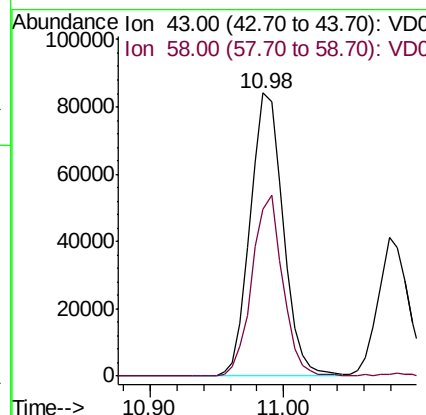
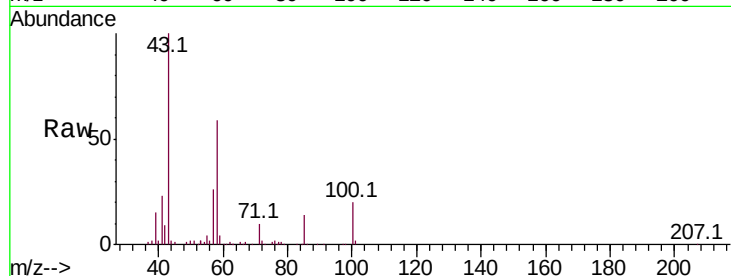




#59
2-Hexanone
Concen: 268.515 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

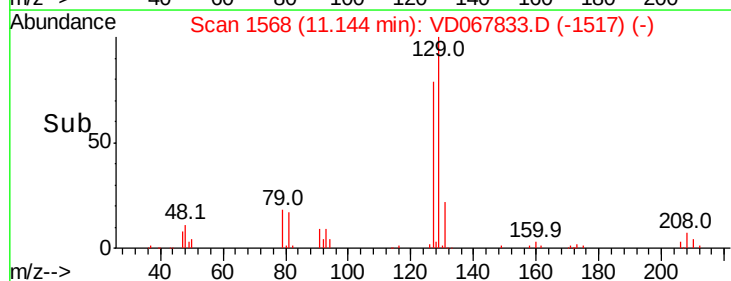
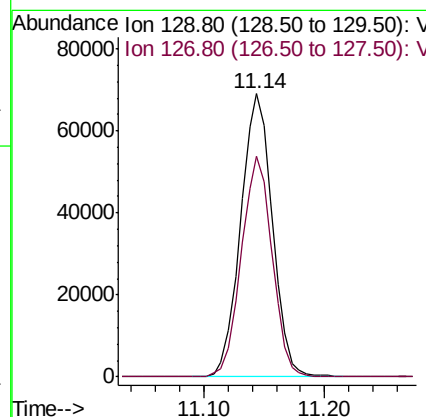
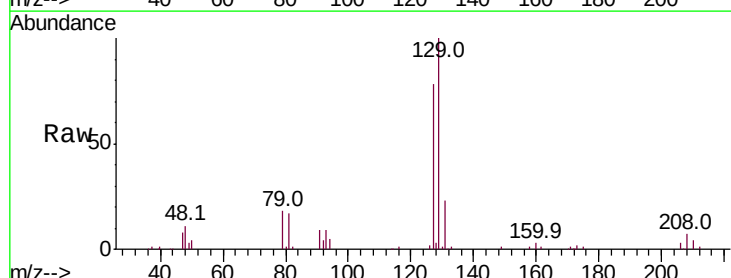
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

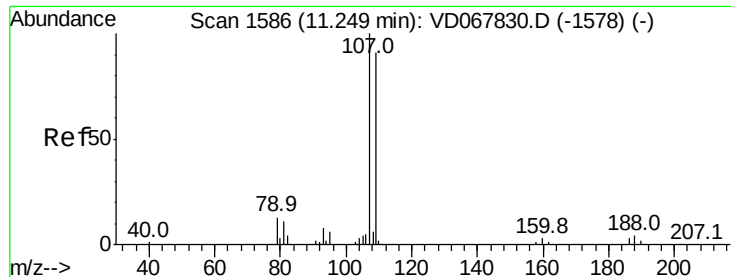
Tot Ion: 43 Resp: 143528
Ion Ratio Lower Upper
43 100
58 59.4 29.9 89.7



#60
Dibromochloromethane
Concen: 51.990 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 129 Resp: 126520
Ion Ratio Lower Upper
129 100
127 75.8 39.2 117.6

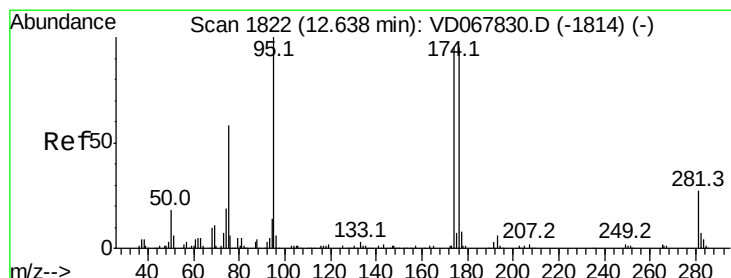
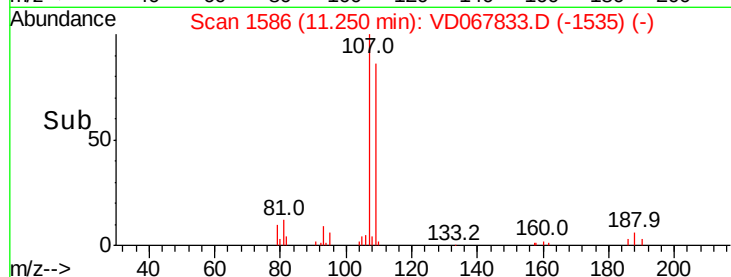
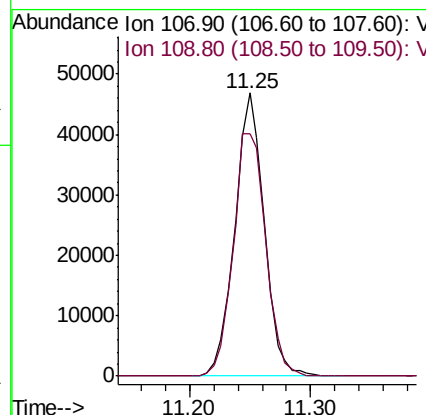
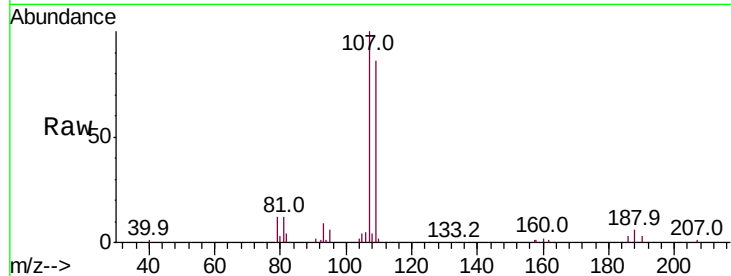




#61
 1,2-Dibromoethane
 Concen: 50.070 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

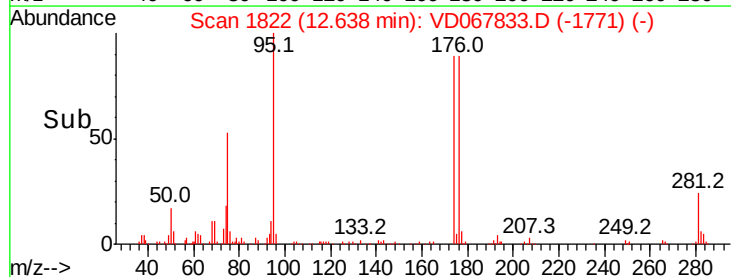
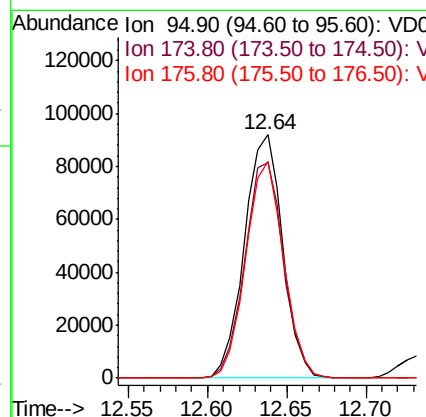
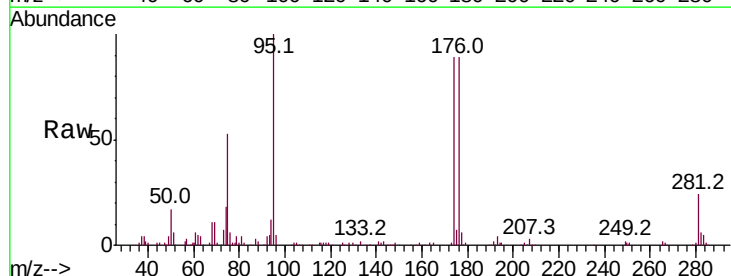
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

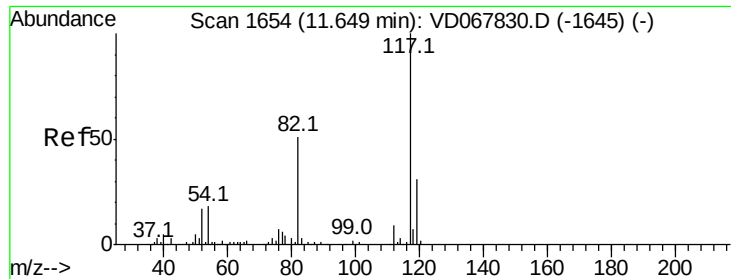
Tot Ion:107 Resp: 79489
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 52.961 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion: 95 Resp: 153918
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 186.0
 176 88.3 0.0 184.2

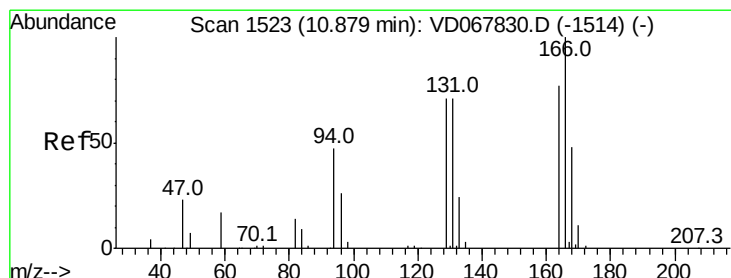
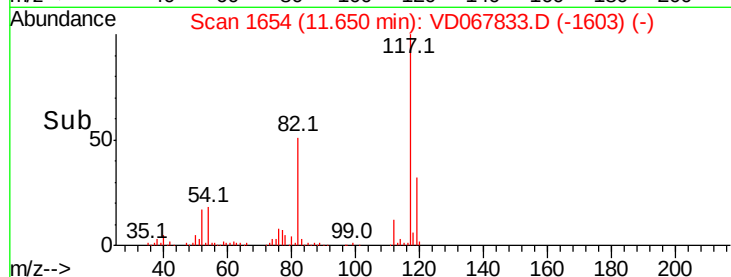
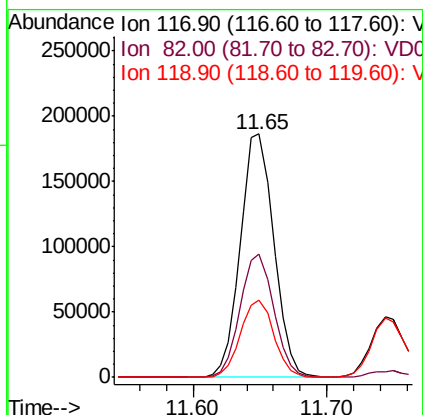
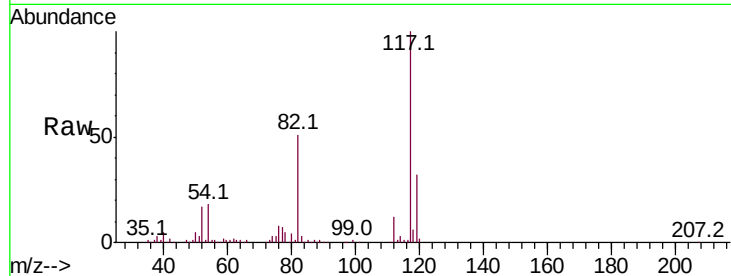




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

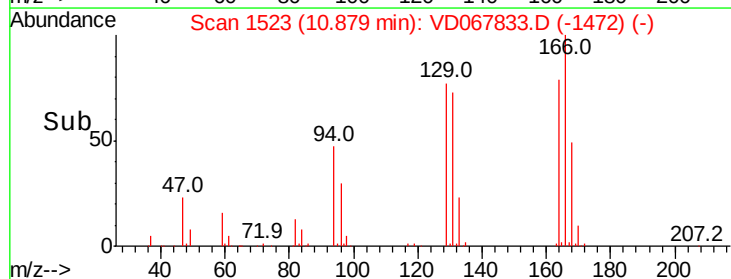
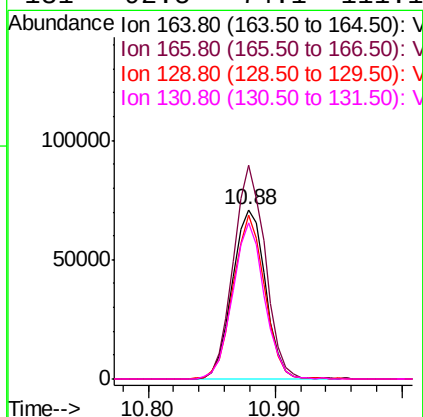
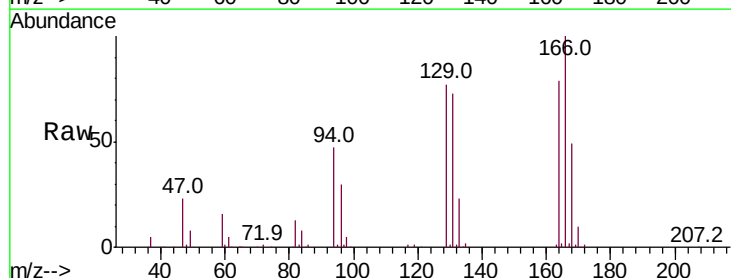
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

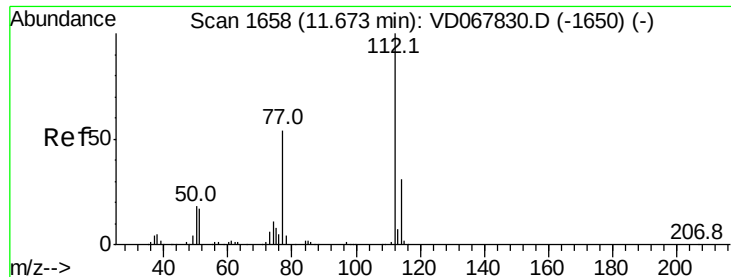
Tot Ion:117 Resp: 324374
Ion Ratio Lower Upper
117 100
82 50.8 40.6 60.8
119 31.8 25.1 37.7



#64
Tetrachloroethene
Concen: 48.237 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion:164 Resp: 127628
Ion Ratio Lower Upper
164 100
166 126.3 103.8 155.6
129 96.8 73.3 109.9
131 92.5 74.1 111.1





#65

Chlorobenzene

Concen: 49.540 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

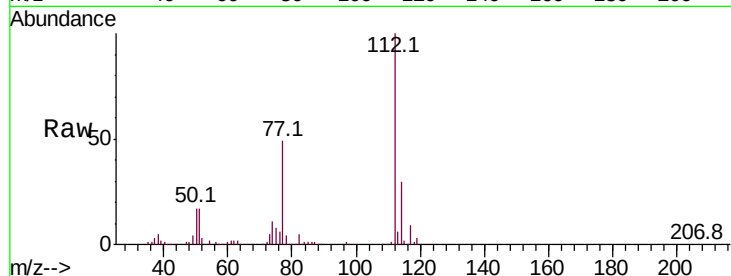
ICVVD120120

Tot Ion:112 Resp: 331577

Ion Ratio Lower Upper

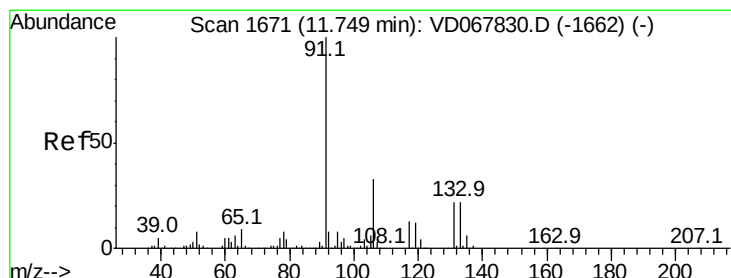
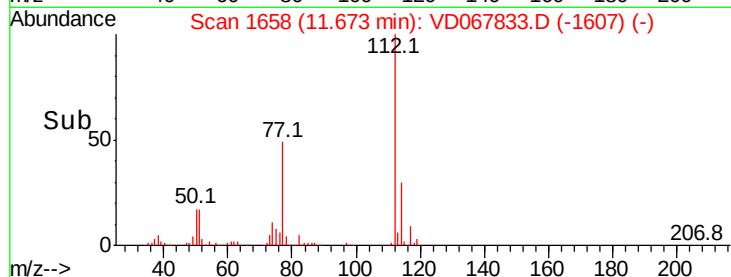
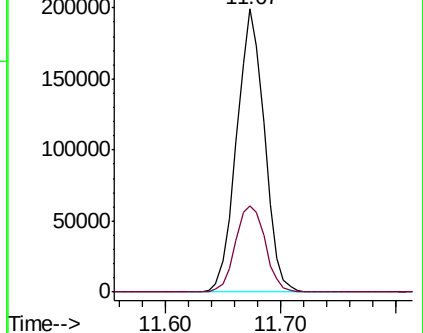
112 100

114 30.4 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.577 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

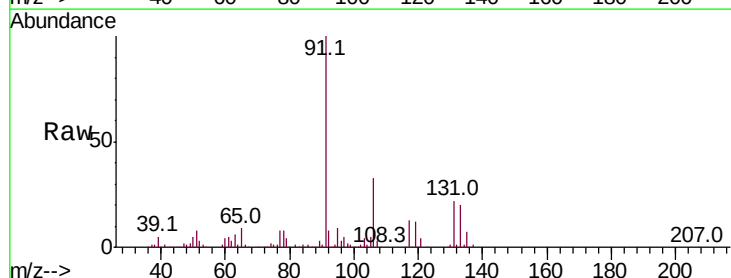
Tgt Ion:131 Resp: 135340

Ion Ratio Lower Upper

131 100

133 96.2 49.9 149.7

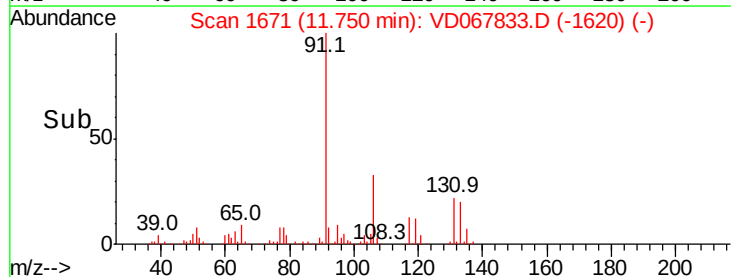
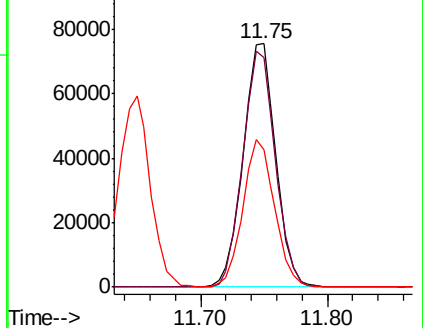
119 58.7 29.6 88.9

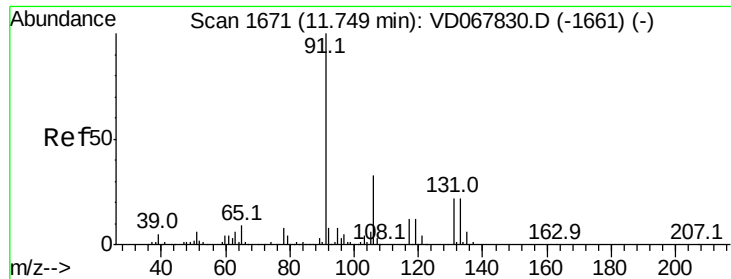


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.766 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

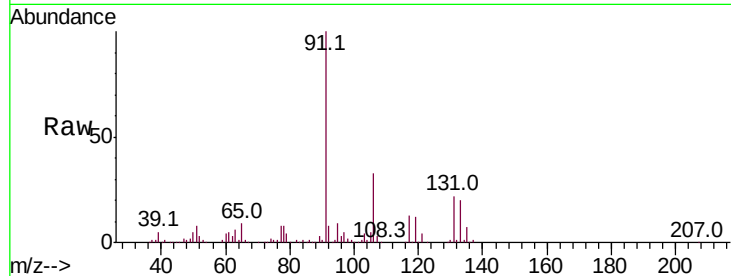
ICVVD120120

Tot Ion: 91 Resp: 578811

Ion Ratio Lower Upper

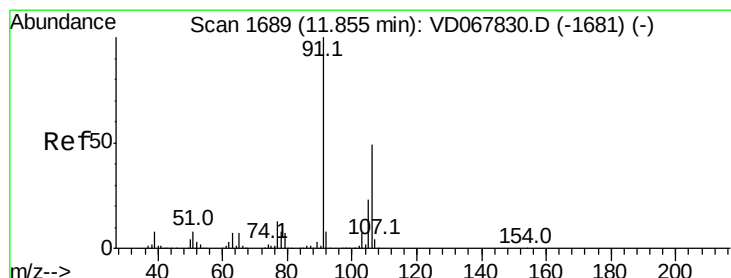
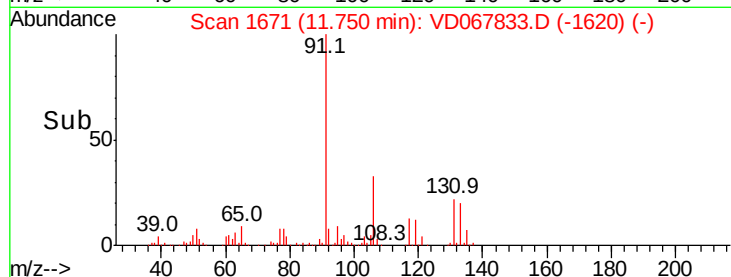
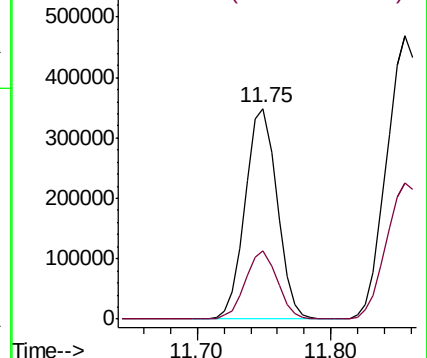
91 100

106 32.7 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.073 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067833.D

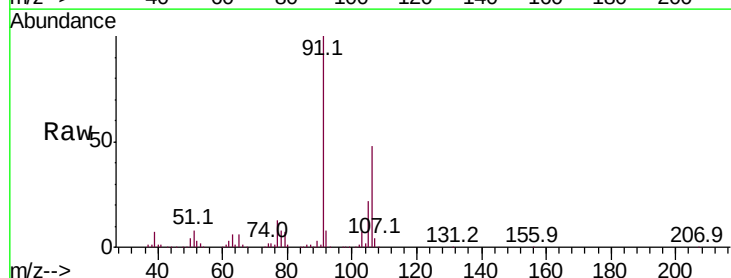
Acq: 01 Dec 2020 13:43

Tgt Ion: 106 Resp: 445412

Ion Ratio Lower Upper

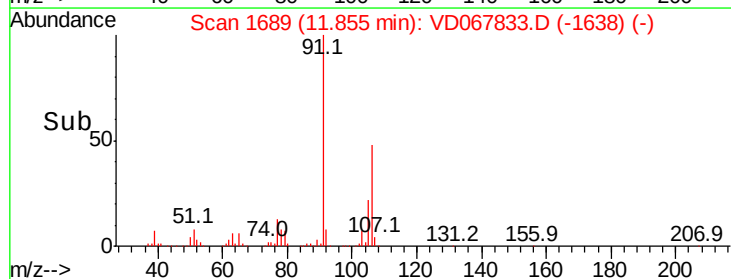
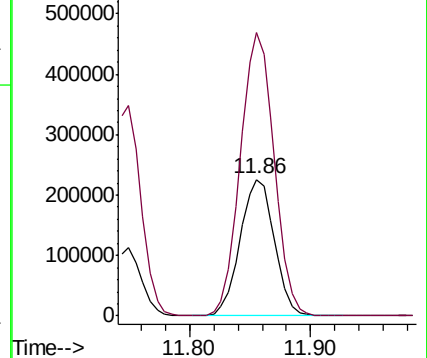
106 100

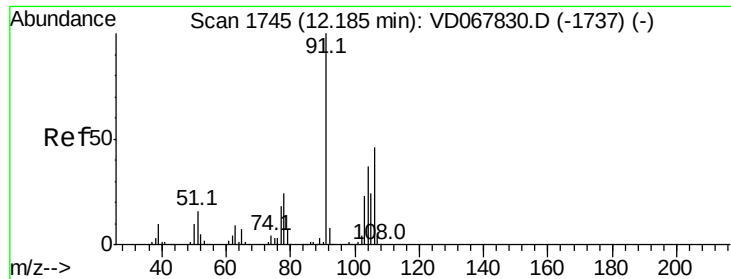
91 205.1 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

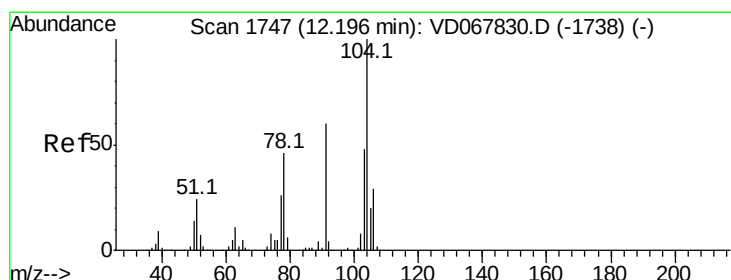
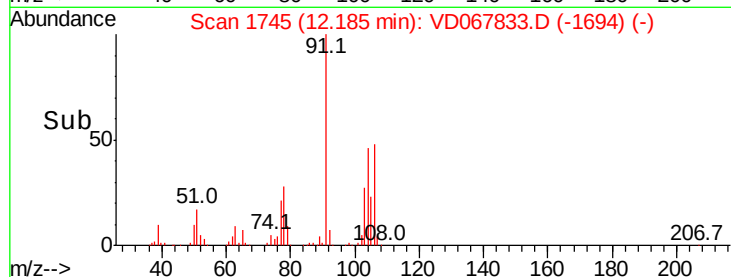
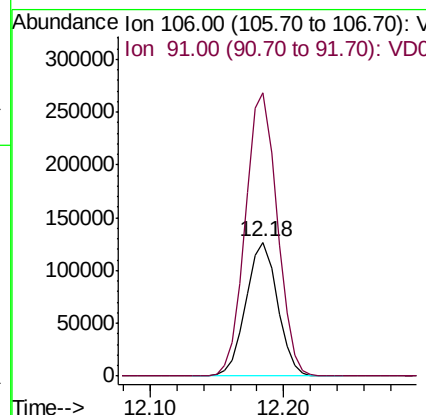
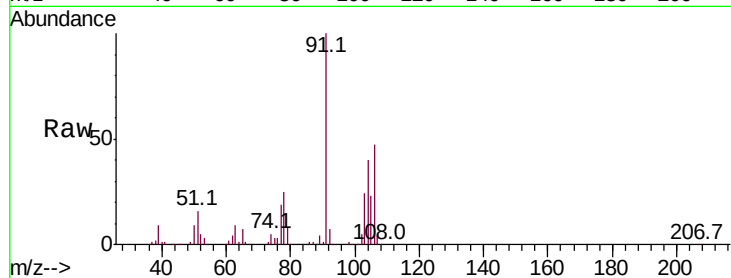




#69
o-Xylene
Concen: 51.871 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

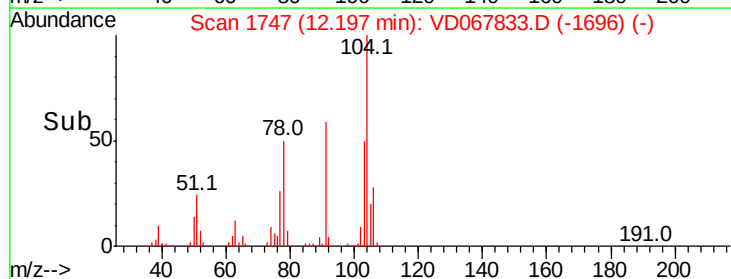
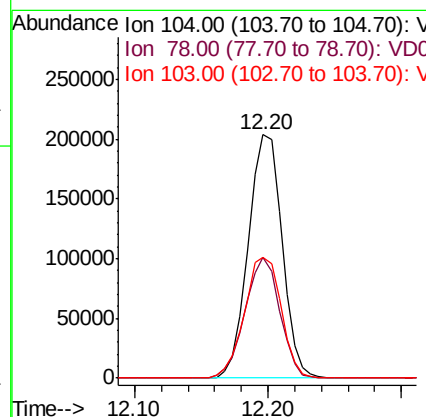
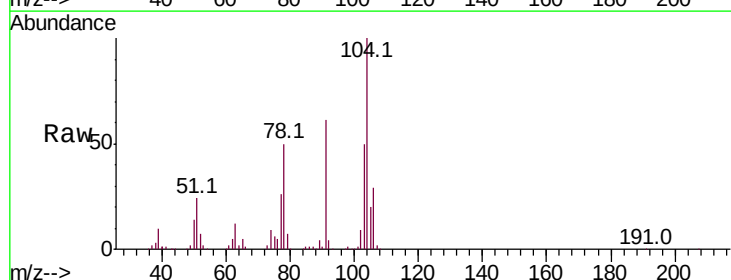
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

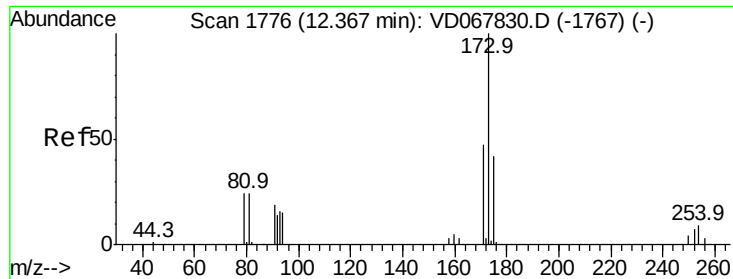
Tot Ion:106 Resp: 207027
Ion Ratio Lower Upper
106 100
91 213.6 107.5 322.5



#70
Styrene
Concen: 51.219 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion:104 Resp: 355468
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 54.1 43.2 64.8





#71

Bromoform

Concen: 50.766 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

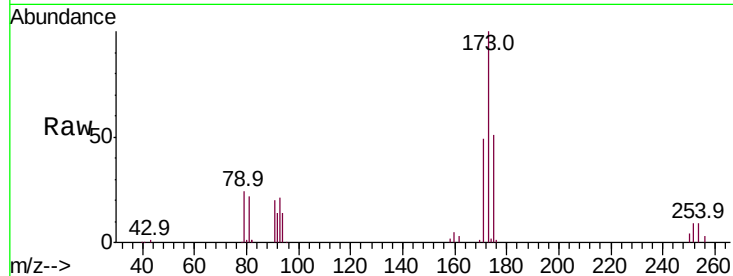
Tot Ion:173 Resp: 73358

Ion Ratio Lower Upper

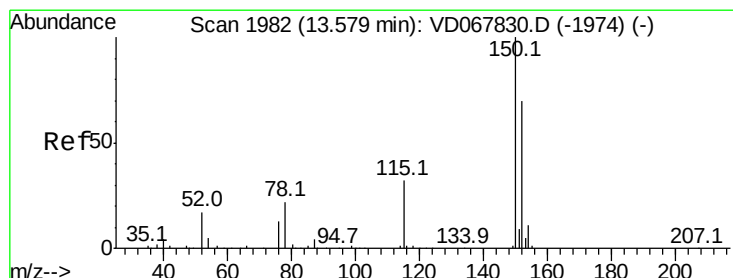
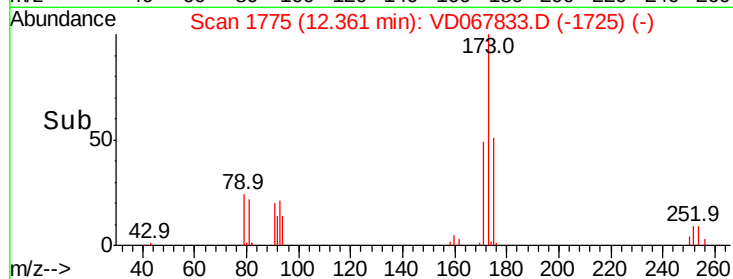
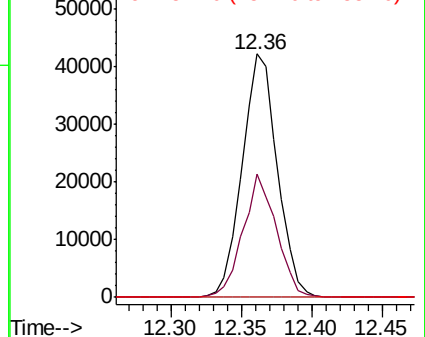
173 100

175 48.3 23.4 70.3

254 0.0 0.1 0.1#



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: VD067833.D

Acq: 01 Dec 2020 13:43

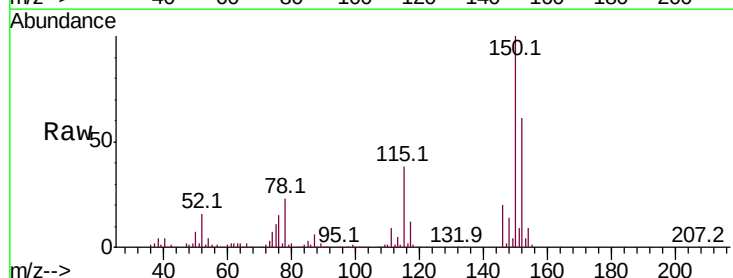
Tgt Ion:152 Resp: 165764

Ion Ratio Lower Upper

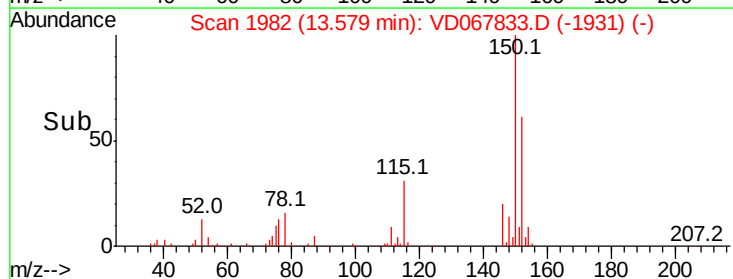
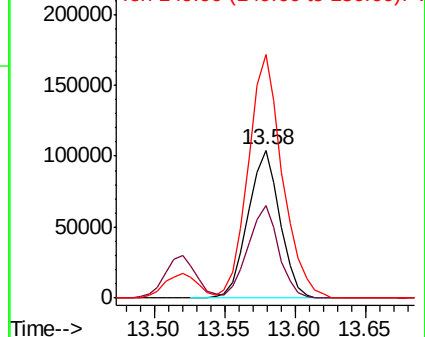
152 100

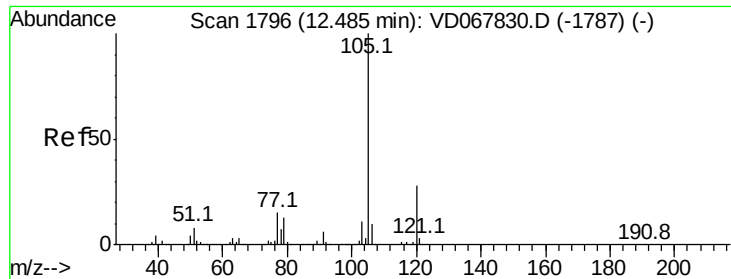
115 59.8 29.1 87.4

150 176.0 0.0 339.0



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

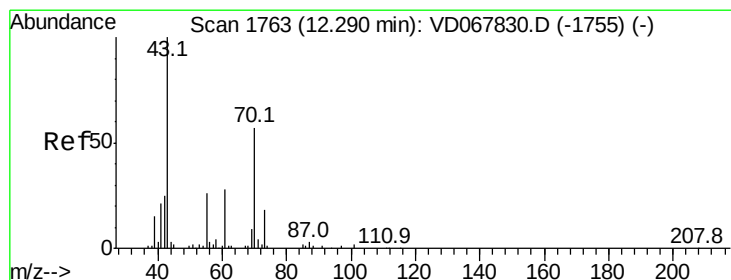
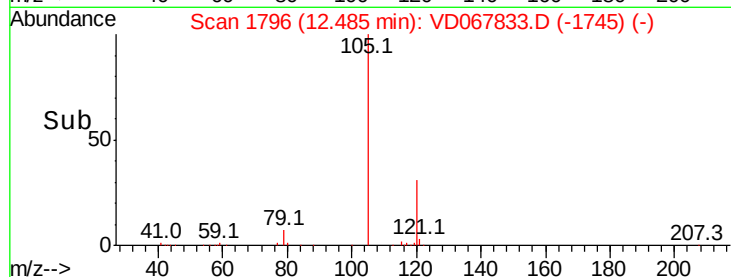
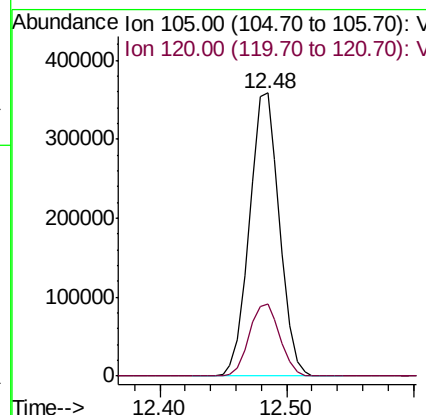
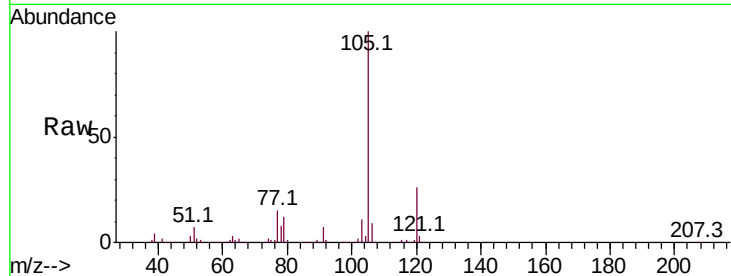




#73
Isopropylbenzene
Concen: 51.522 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

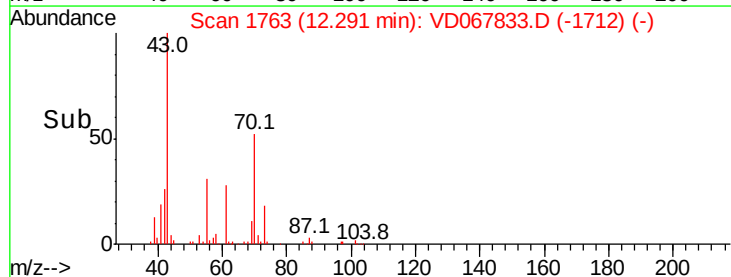
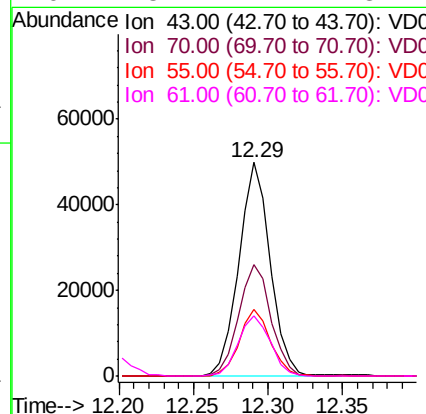
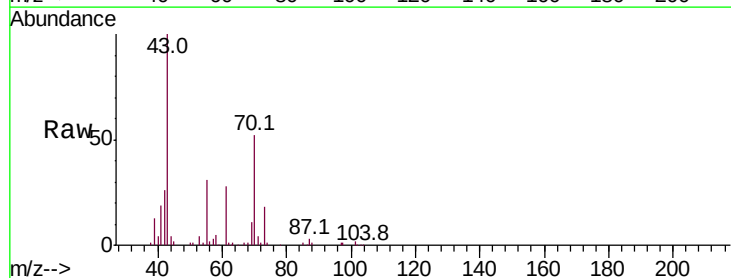
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

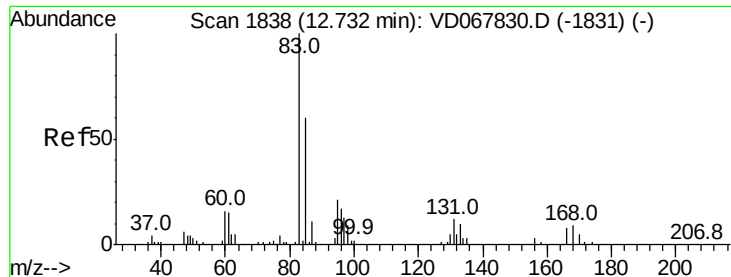
Tot Ion:105 Resp: 587325
Ion Ratio Lower Upper
105 100
120 26.1 13.9 41.6



#74
N-ethyl acetate
Concen: 51.766 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 43 Resp: 72994
Ion Ratio Lower Upper
43 100
70 53.5 44.6 66.8
55 30.8 22.2 33.2
61 28.7 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.764 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

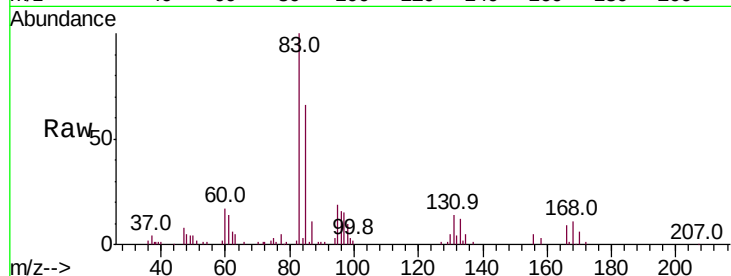
Tot Ion: 83 Resp: 73390

Ion Ratio Lower Upper

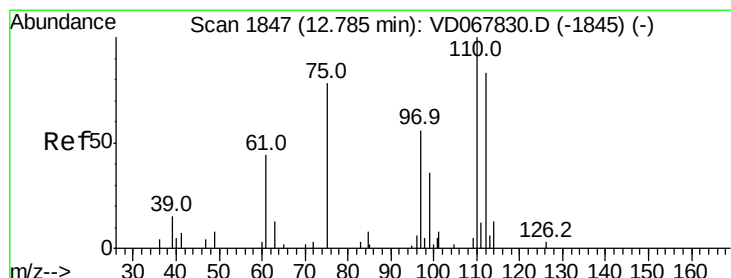
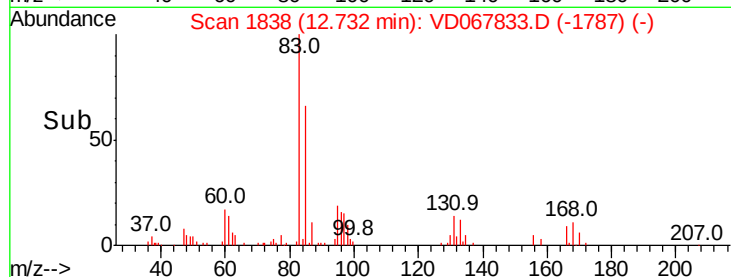
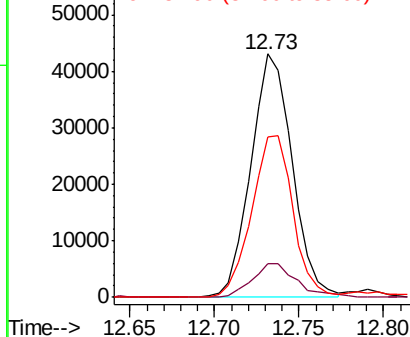
83 100

131 14.8 8.0 24.0

85 66.4 31.7 95.1



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: 90.424 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067833.D

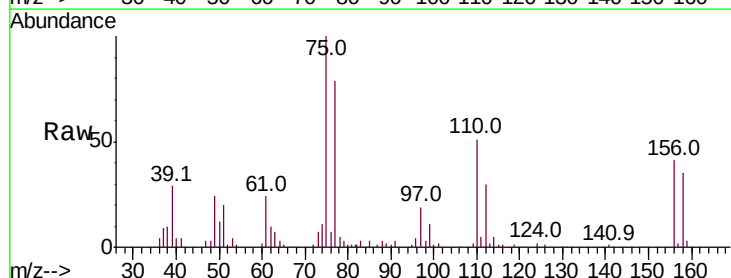
Acq: 01 Dec 2020 13:43

Tgt Ion: 75 Resp: 109155

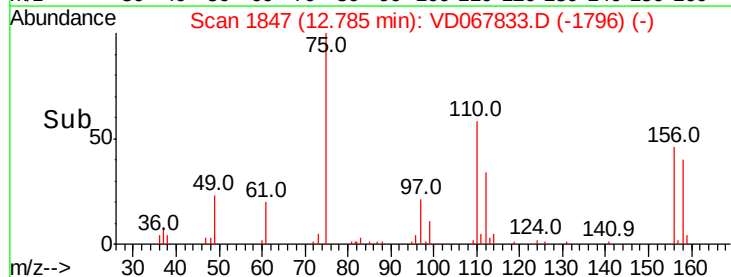
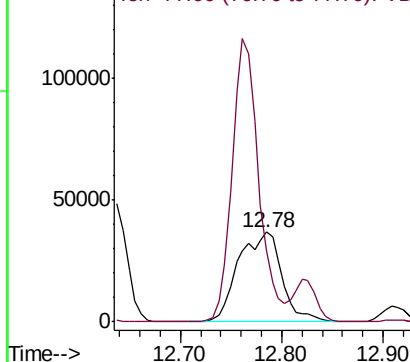
Ion Ratio Lower Upper

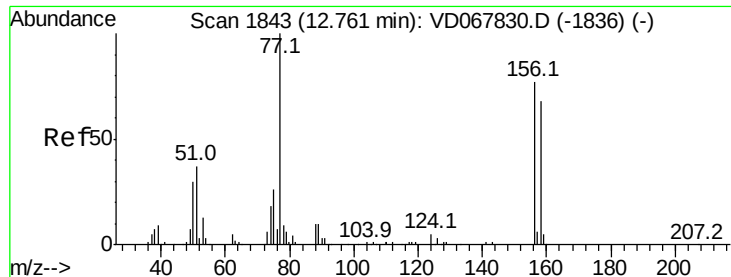
75 100

77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.758 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

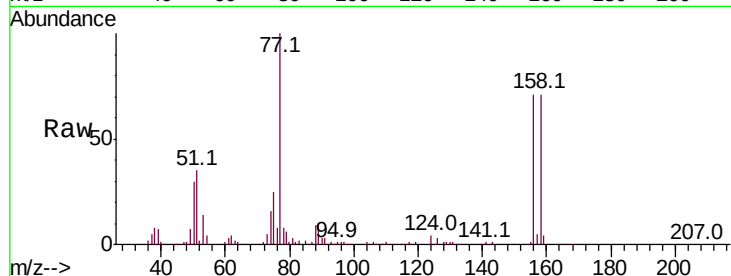
Tot Ion:156 Resp: 143848

Ion Ratio Lower Upper

156 100

77 147.4 71.5 214.5

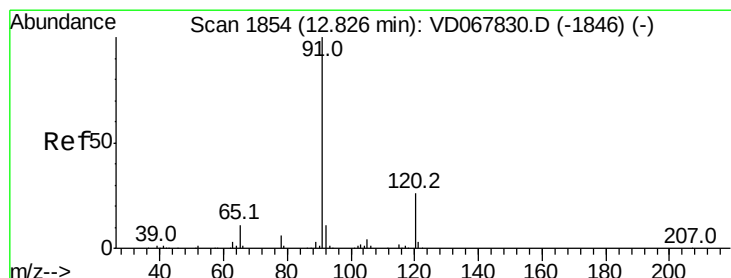
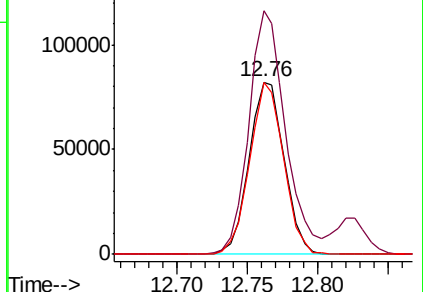
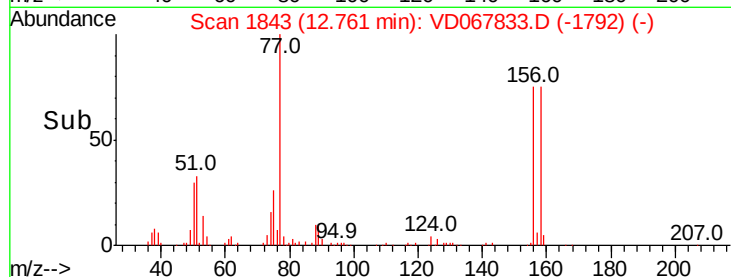
158 96.3 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.985 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD067833.D

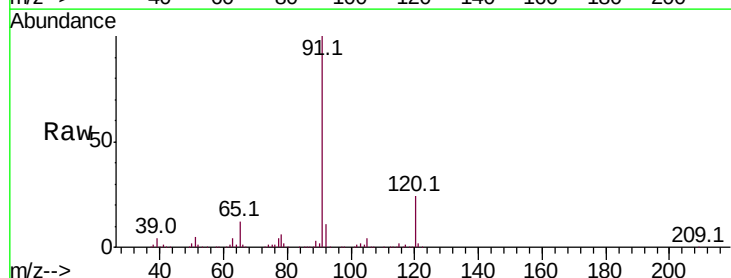
Acq: 01 Dec 2020 13:43

Tgt Ion: 91 Resp: 644173

Ion Ratio Lower Upper

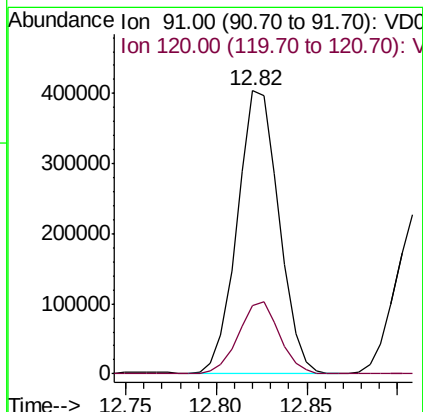
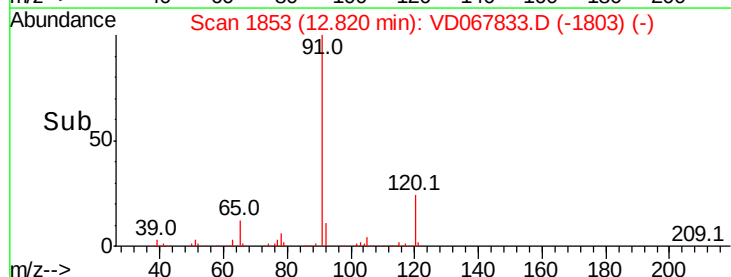
91 100

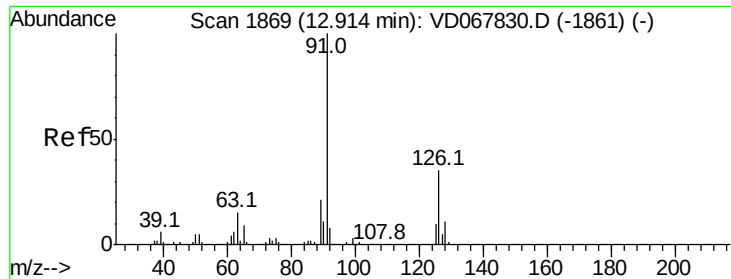
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.805 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

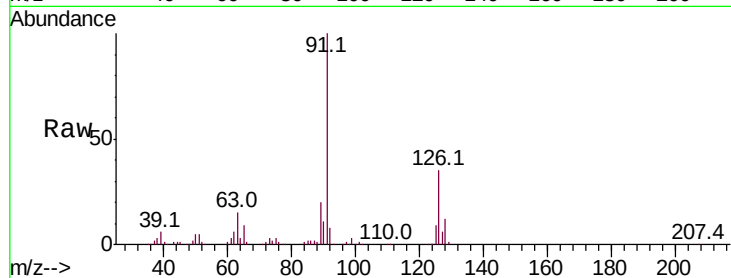
ICVVD120120

Tot Ion: 91 Resp: 377630

Ion Ratio Lower Upper

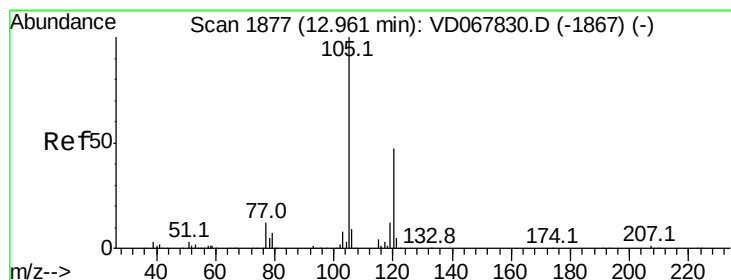
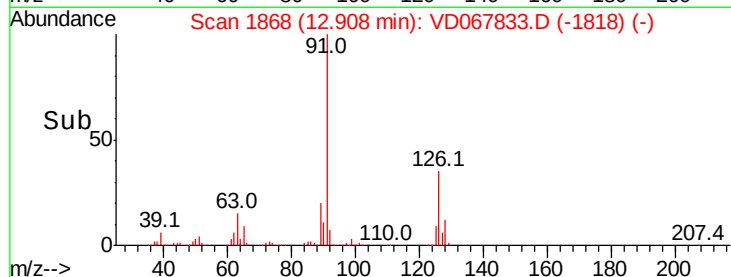
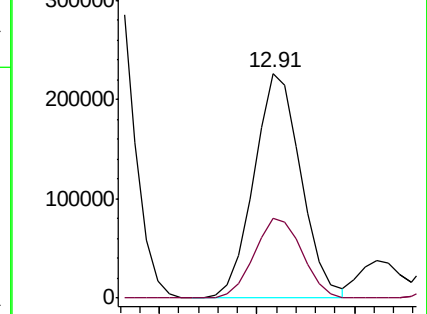
91 100

126 36.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.757 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067833.D

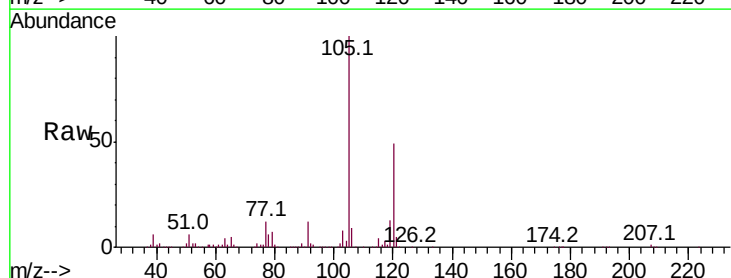
Acq: 01 Dec 2020 13:43

Tgt Ion: 105 Resp: 510833

Ion Ratio Lower Upper

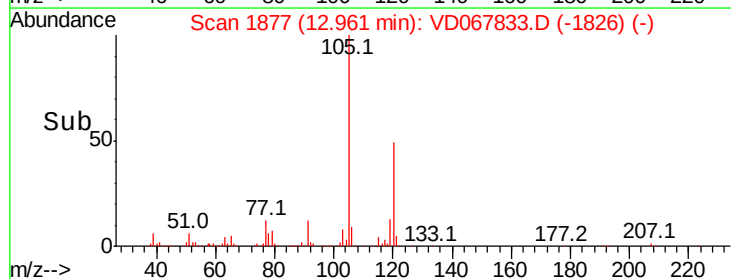
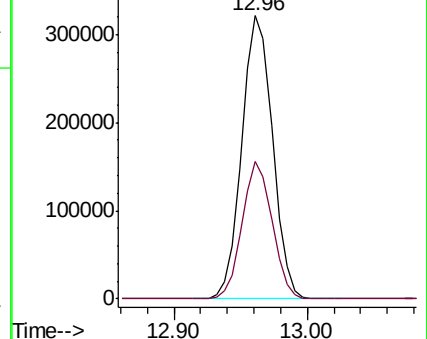
105 100

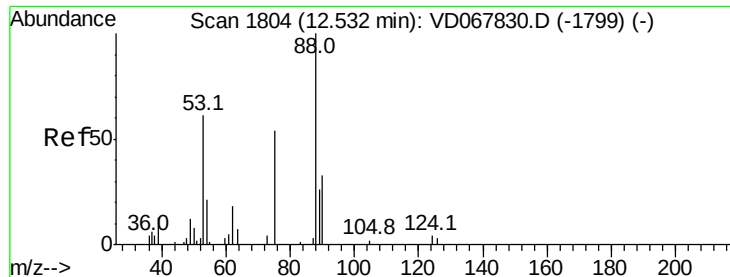
120 47.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

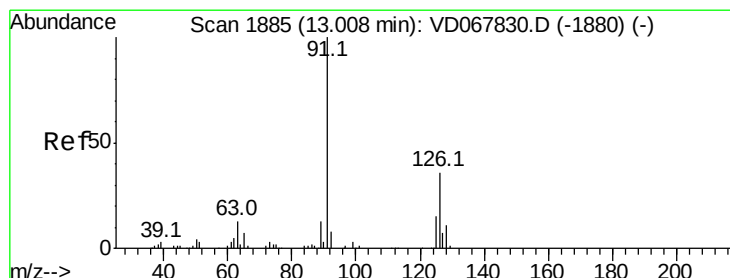
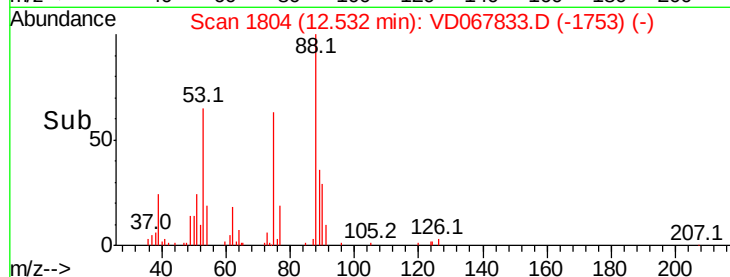
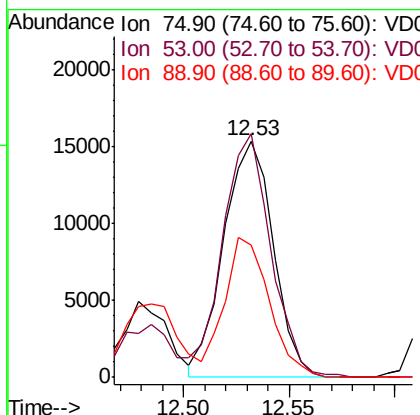
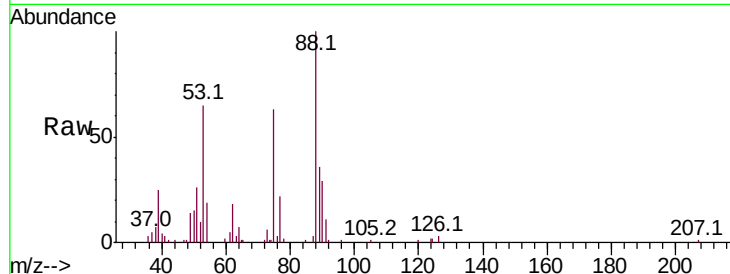




#81
trans-1,4-Dichloro-2-butene
Concen: 49.586 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

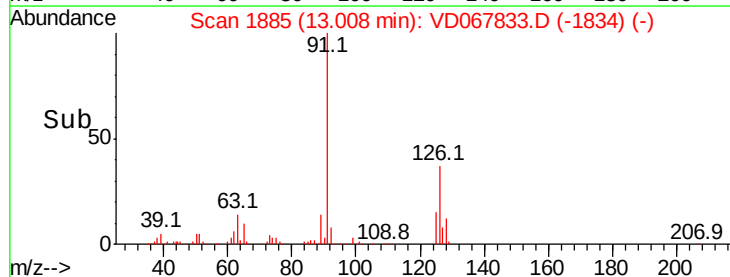
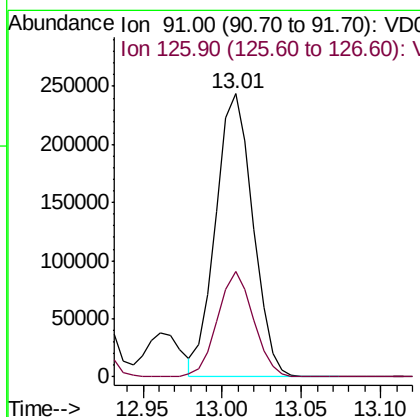
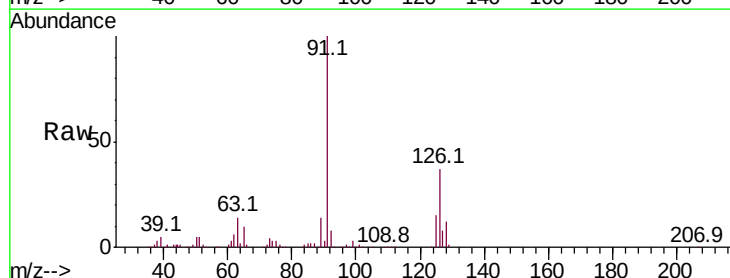
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

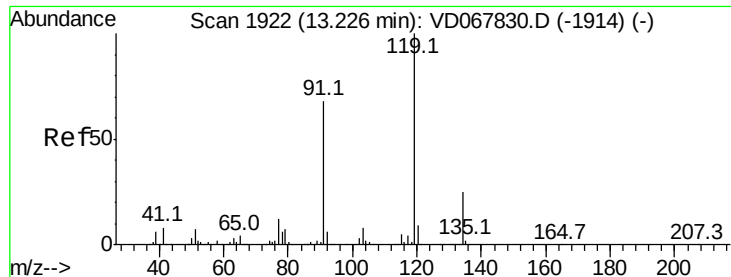
Tot Ion: 75 Resp: 25023
Ion Ratio Lower Upper
75 100
53 101.4 84.6 127.0
89 53.3 41.0 61.6



#82
4-Chlorotoluene
Concen: 50.210 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 91 Resp: 398105
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.4





#83

tert-Butylbenzene

Concen: 51.507 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

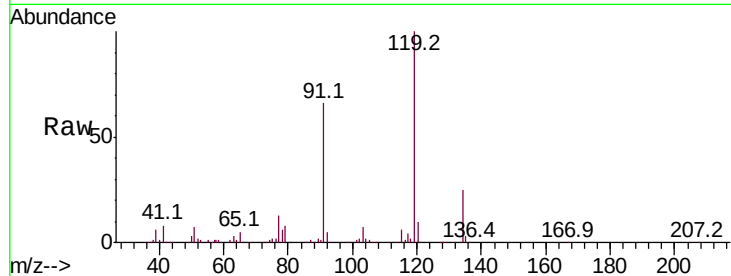
Tot Ion:119 Resp: 432597

Ion Ratio Lower Upper

119 100

91 67.2 33.1 99.3

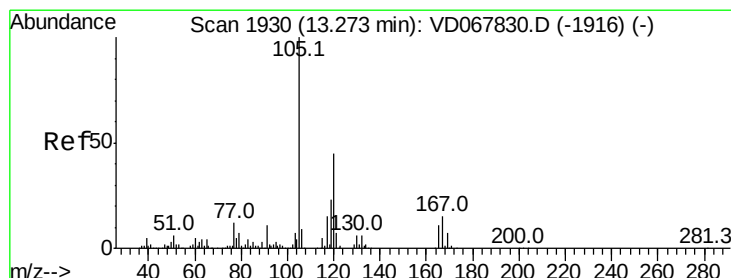
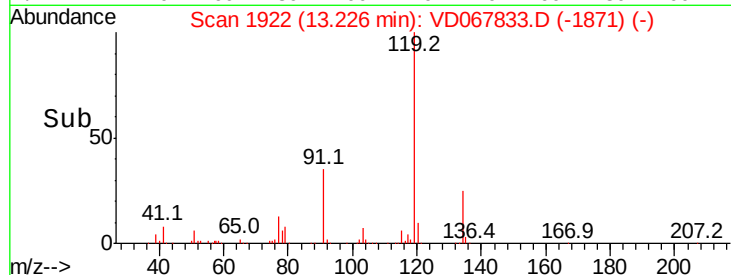
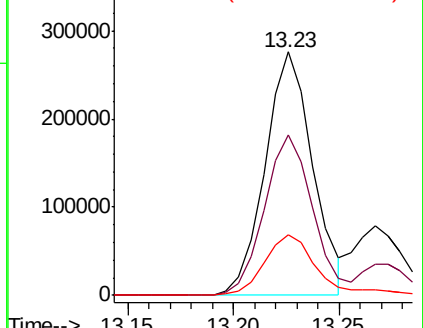
134 27.6 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.294 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067833.D

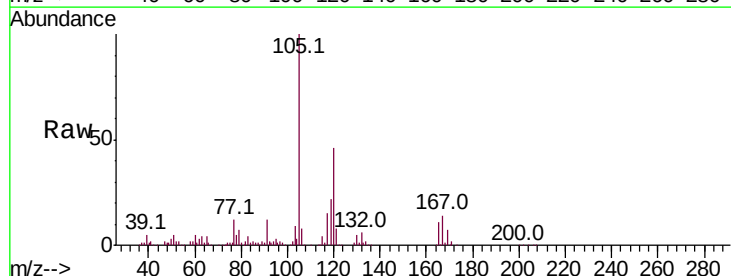
Acq: 01 Dec 2020 13:43

Tgt Ion:105 Resp: 503420

Ion Ratio Lower Upper

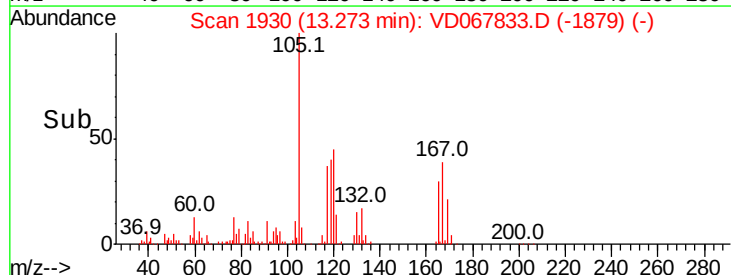
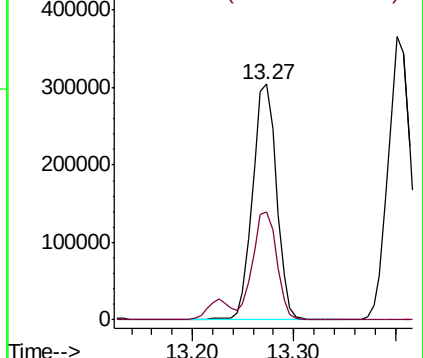
105 100

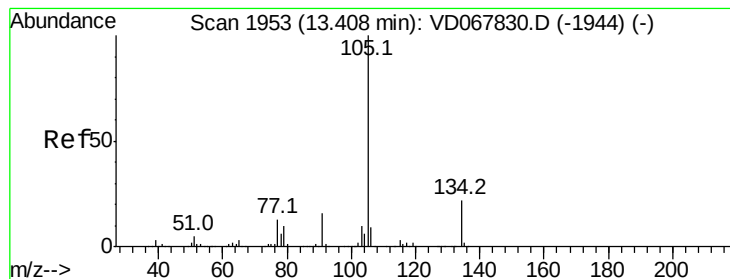
120 45.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.610 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

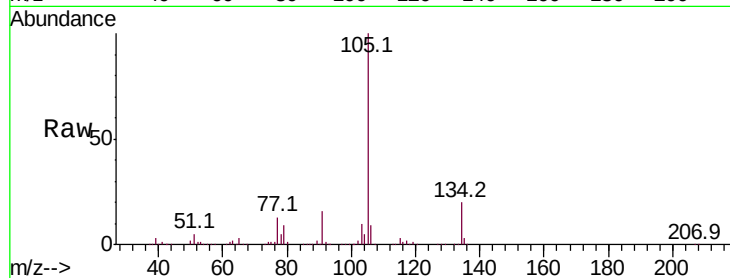
ICVVD120120

Tot Ion:105 Resp: 567325

Ion Ratio Lower Upper

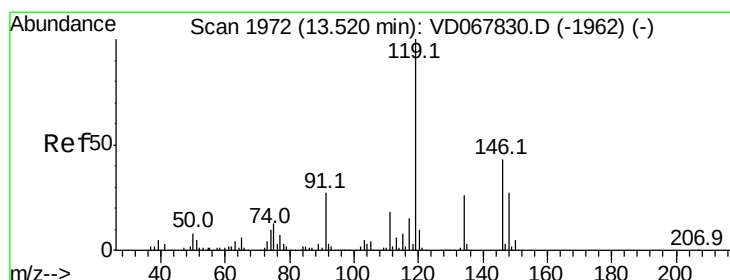
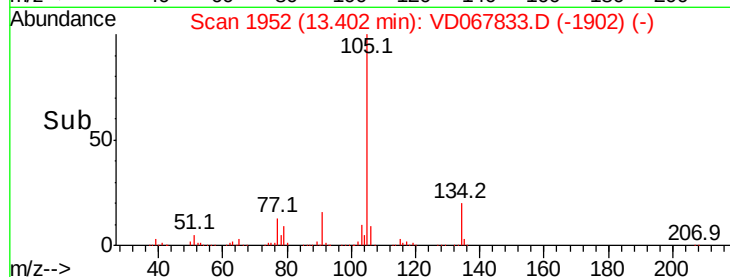
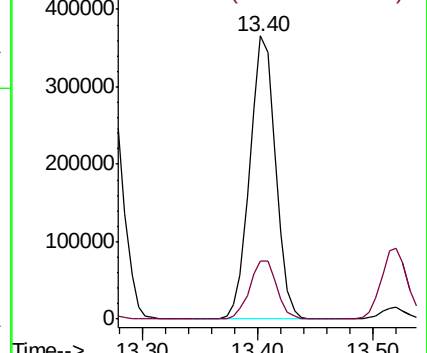
105 100

134 21.7 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.990 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

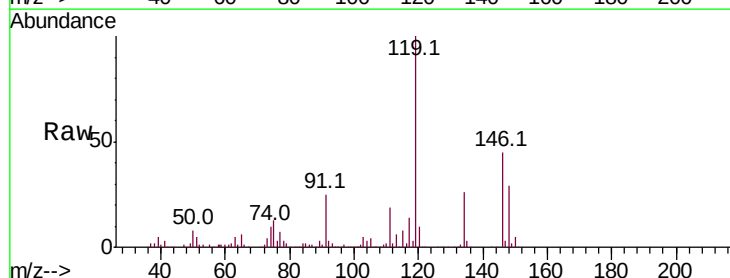
Tgt Ion:119 Resp: 549214

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

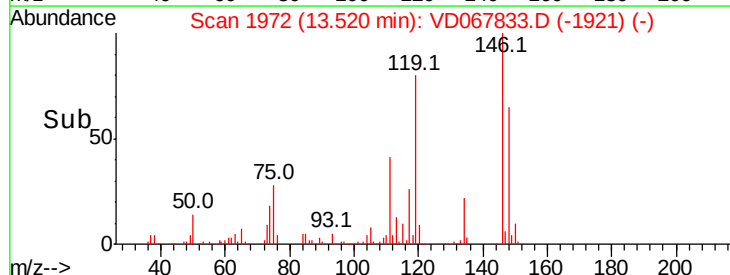
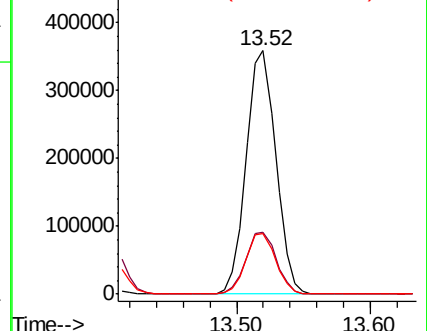
91 25.2 12.8 38.3

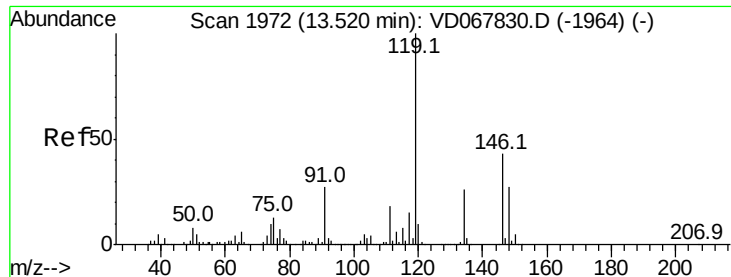


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.729 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

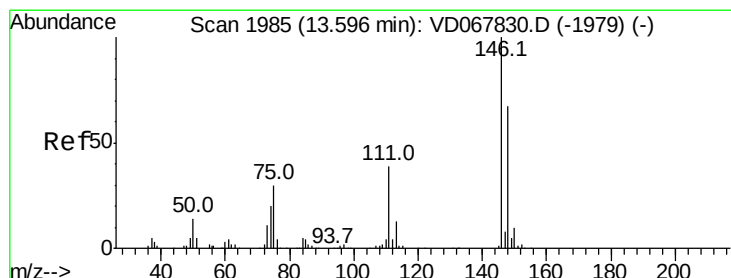
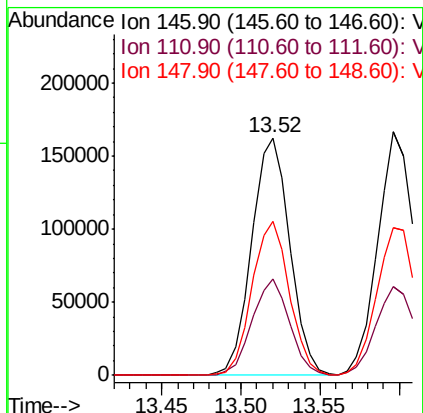
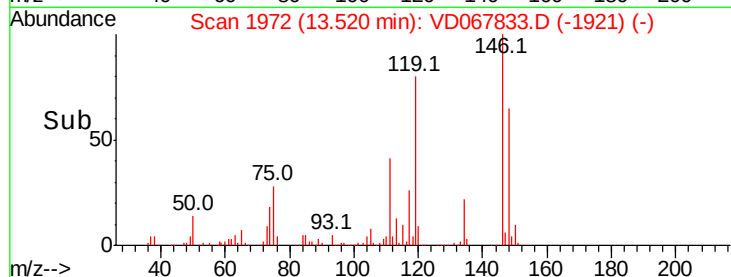
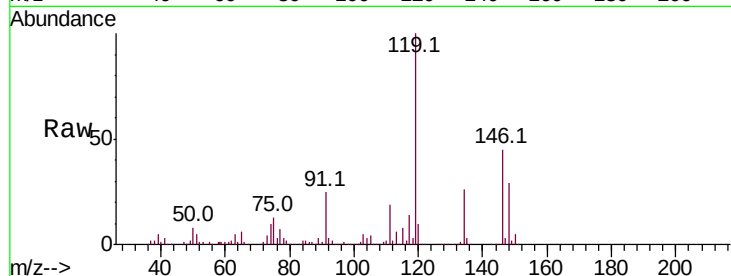
Tot Ion:146 Resp: 271861

Ion Ratio Lower Upper

146 100

111 39.7 20.8 62.2

148 63.6 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 49.123 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

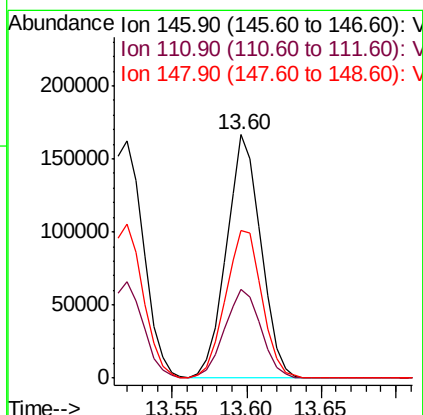
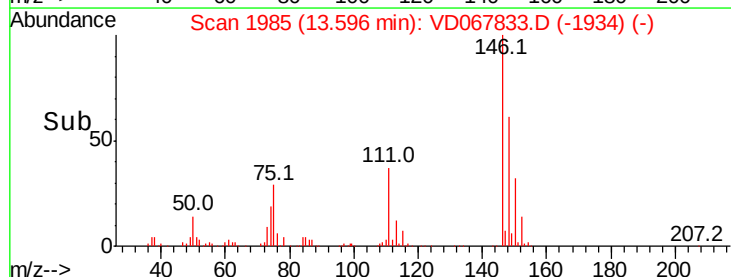
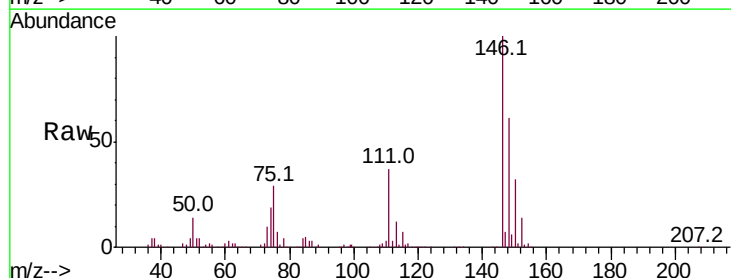
Tgt Ion:146 Resp: 268661

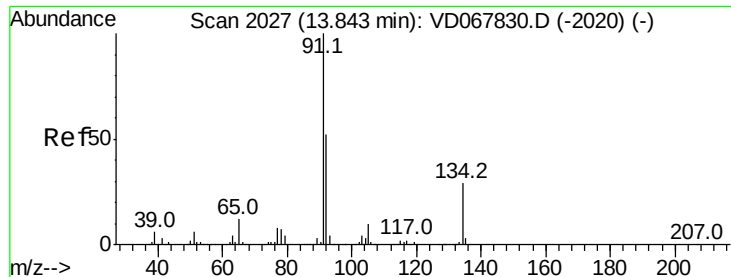
Ion Ratio Lower Upper

146 100

111 38.5 19.9 59.6

148 64.1 32.4 97.2

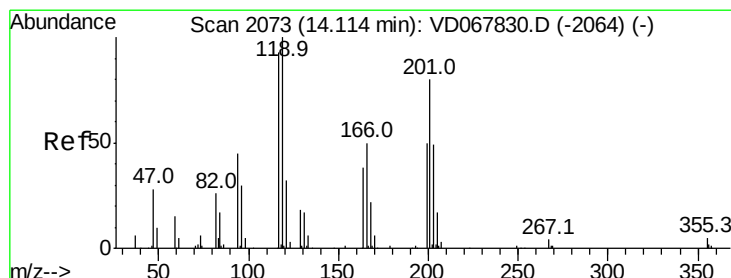
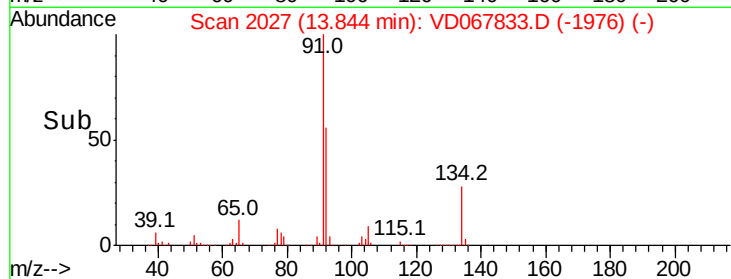
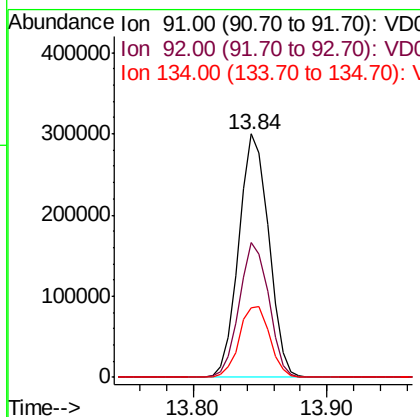
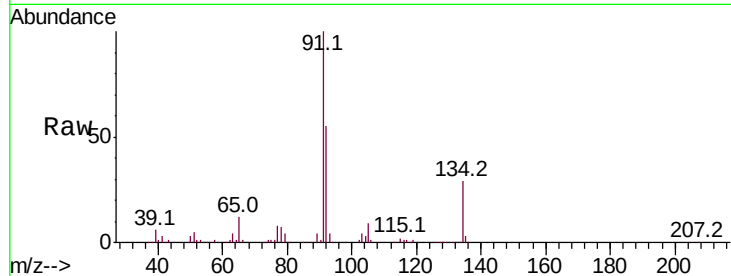




#89
n-Butylbenzene
Concen: 50.951 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

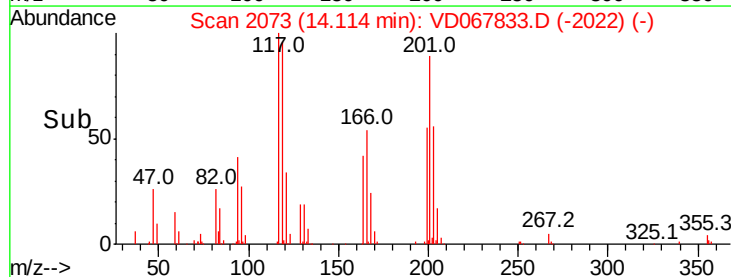
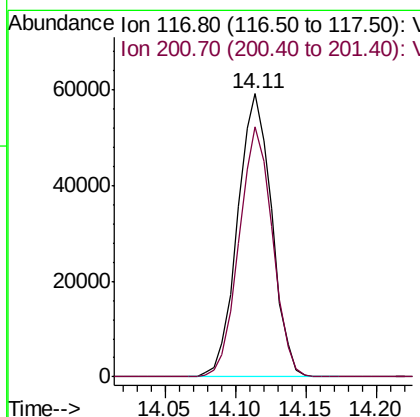
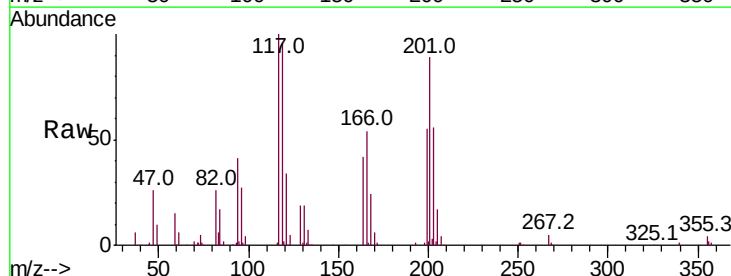
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120120

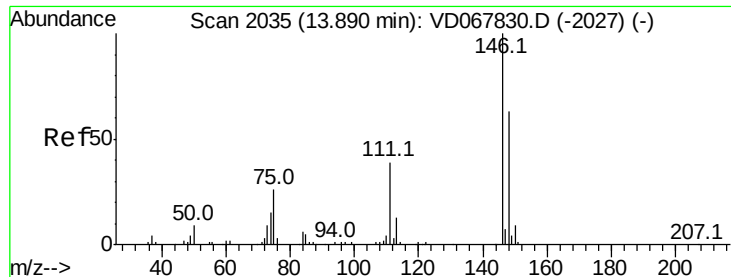
Tot Ion: 91 Resp: 465053
Ion Ratio Lower Upper
91 100
92 54.6 26.3 78.8
134 29.7 14.8 44.3



#90
Hexachloroethane
Concen: 49.292 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067833.D
Acq: 01 Dec 2020 13:43

Tgt Ion: 117 Resp: 99982
Ion Ratio Lower Upper
117 100
201 86.6 43.9 131.6

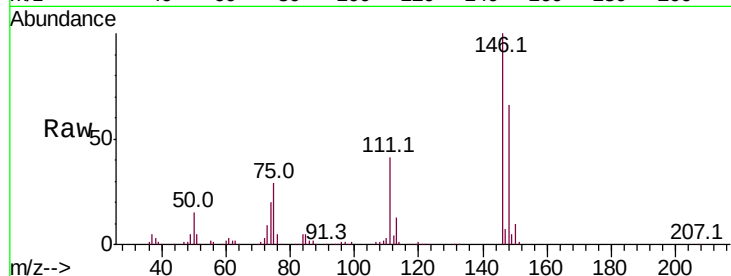




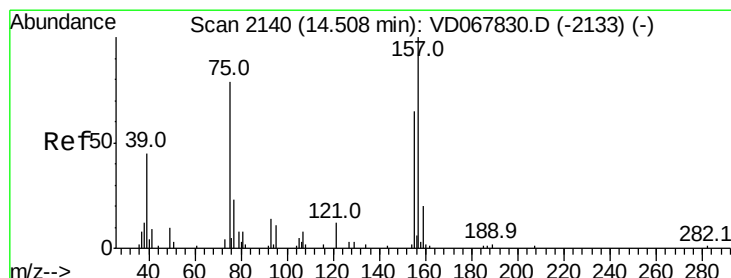
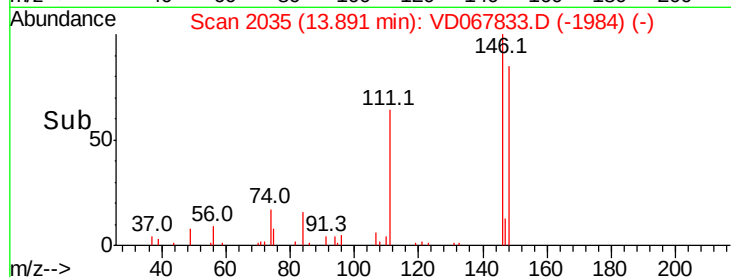
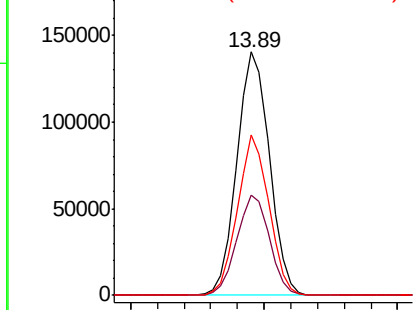
#91
 1,2-Dichlorobenzene
 Concen: 50.019 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	63.5	32.1	96.3

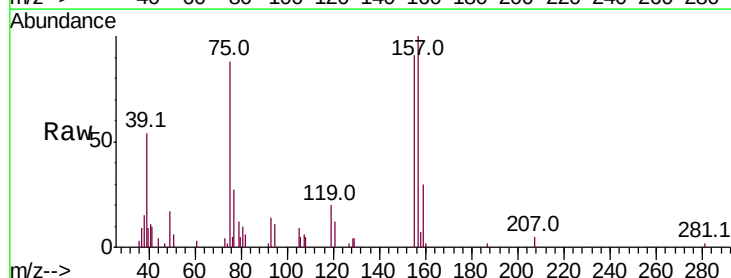


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

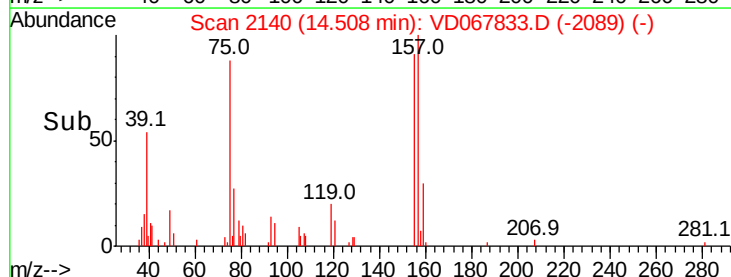
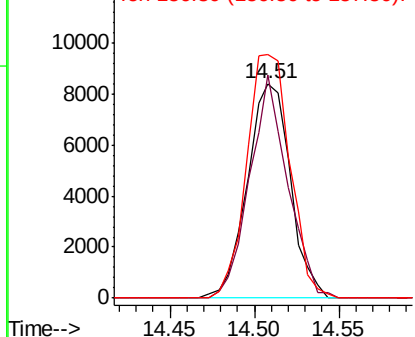


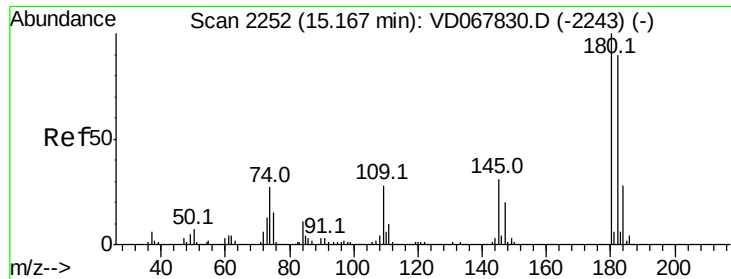
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.406 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.1	132.4
157	114.8	62.4	187.2



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

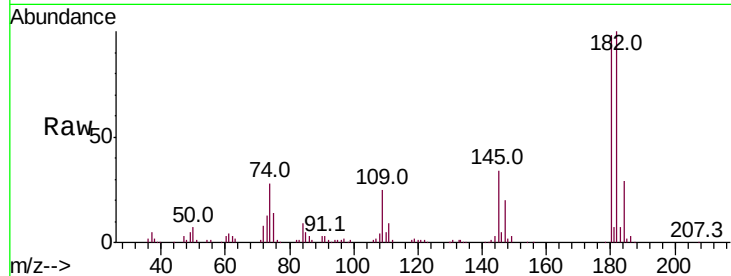




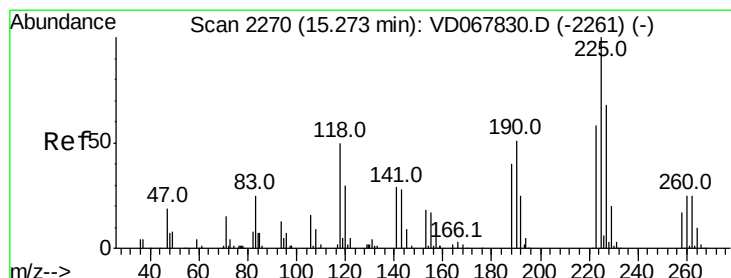
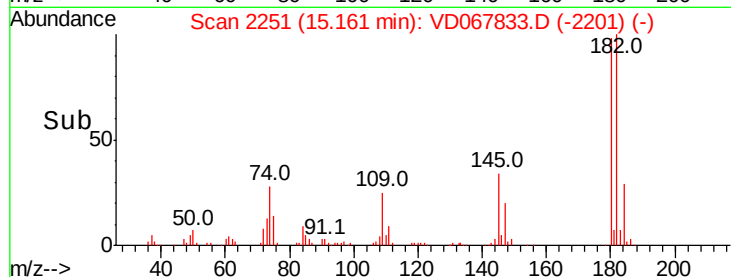
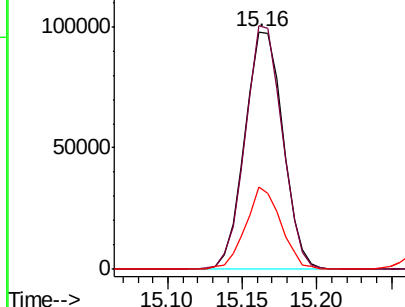
#93
 1,2,4-Trichlorobenzene
 Concen: 52.350 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120120

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	32.0	16.4	49.4

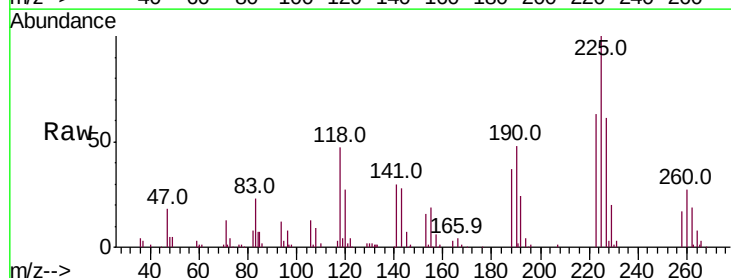


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

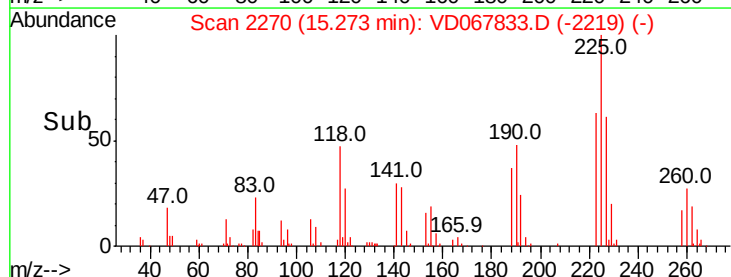
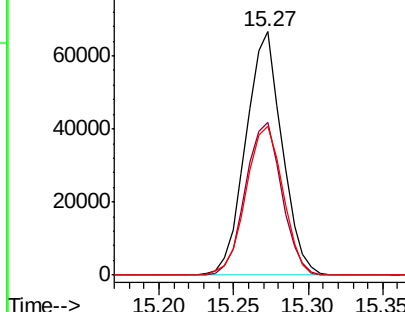


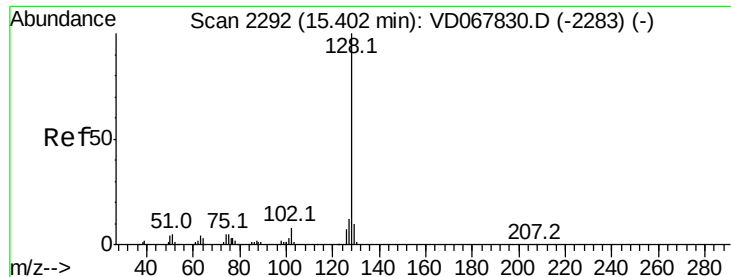
#94
 Hexachlorobutadiene
 Concen: 51.561 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067833.D
 Acq: 01 Dec 2020 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.3
227	62.4	33.1	99.3



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





#95

Naphthalene

Concen: 53.929 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120120

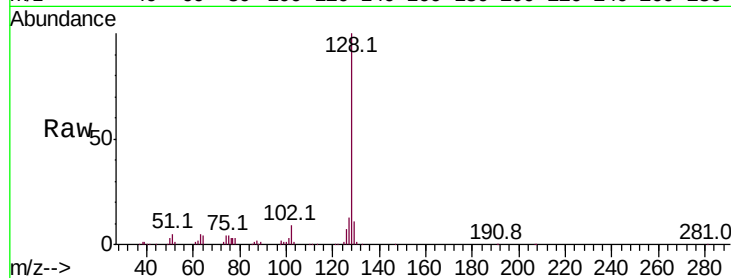
Tot Ion:128 Resp: 291042

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

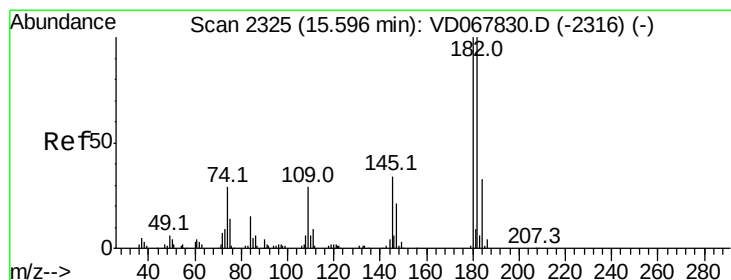
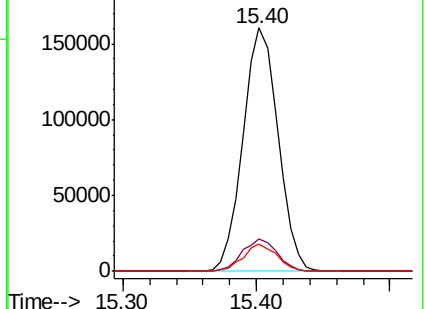
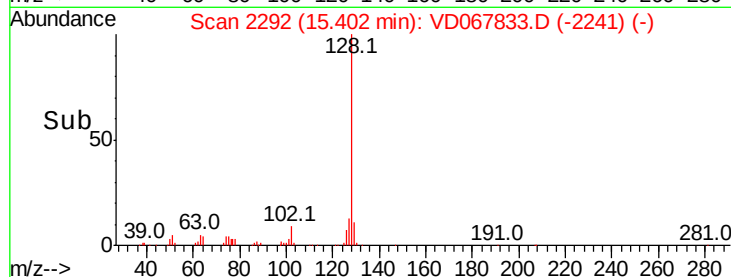
129 10.6 9.0 13.6



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: 52.077 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067833.D

Acq: 01 Dec 2020 13:43

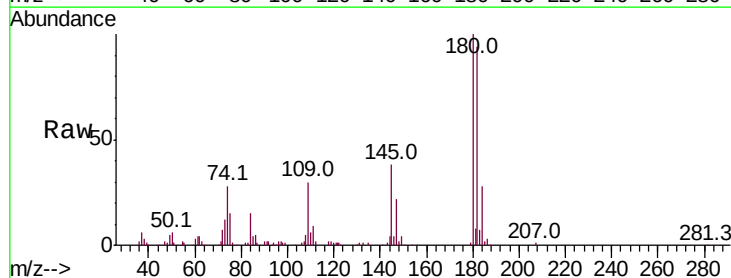
Tgt Ion:180 Resp: 149157

Ion Ratio Lower Upper

180 100

182 95.5 47.3 142.0

145 35.9 16.8 50.4



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

