

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067835.D
 Acq On : 02 Dec 2020 14:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 03 00:34:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	326086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	126790	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	116292	48.74	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.48%
50) Toluene-d8	10.34	98	429523	50.01	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.02%
62) 4-Bromofluorobenzene	12.64	95	156611	52.74	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114328	53.156	ug/l	98
3) Chloromethane	2.21	50	51466	41.463	ug/l	99
4) Vinyl Chloride	2.35	62	77586	49.630	ug/l	90
5) Bromomethane	2.77	94	103190	73.942	ug/l	86
6) Chloroethane	2.93	64	51916	51.007	ug/l	100
7) Trichlorofluoromethane	3.27	101	241703	50.527	ug/l	92
8) Diethyl Ether	3.71	74	44191	47.396	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	111126	50.944	ug/l	96
10) Methyl Iodide	4.30	142	66433	28.733	ug/l	97
11) Tert butyl alcohol	5.22	59	36973	277.299	ug/l	95
12) 1,1-Dichloroethene	4.07	96	105294	51.415	ug/l	94
13) Acrolein	3.92	56	22181	217.551	ug/l	98
14) Allyl chloride	4.71	41	99256	52.390	ug/l	99
15) Acrylonitrile	5.42	53	77792	240.624	ug/l	97
16) Acetone	4.16	43	93062	283.855	ug/l #	89
17) Carbon Disulfide	4.41	76	281345	49.205	ug/l	97
18) Methyl Acetate	4.71	43	29680	48.212	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	225907	51.515	ug/l	98
20) Methylene Chloride	4.97	84	109623	51.764	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	119146	51.127	ug/l	93
22) Diisopropyl ether	6.36	45	190697	50.046	ug/l	96
23) Vinyl Acetate	6.30	43	567879	267.891	ug/l	98
24) 1,1-Dichloroethane	6.26	63	165047	49.412	ug/l #	94
25) 2-Butanone	7.21	43	85033	246.590	ug/l	99
26) 2,2-Dichloropropane	7.21	77	207700	52.145	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124404	48.806	ug/l	96
28) Bromochloromethane	7.56	49	51791	48.836	ug/l #	94
29) Tetrahydrofuran	7.56	42	48434	246.679	ug/l	98
30) Chloroform	7.71	83	214748	48.108	ug/l	96
31) Cyclohexane	7.99	56	137251	49.101	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	238717	50.661	ug/l	99
36) 1,1-Dichloropropene	8.11	75	155216	50.285	ug/l	98
37) Ethyl Acetate	7.30	43	38219	45.941	ug/l #	95
38) Carbon Tetrachloride	8.10	117	233380	49.971	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190083	51.965	ug/l	95
40) Benzene	8.36	78	411814	48.758	ug/l	99
41) Methacrylonitrile	7.53	41	19310	48.768	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	144907	48.138	ug/l	99
43) Isopropyl Acetate	8.46	43	79378	48.493	ug/l	99
44) Trichloroethene	9.11	130	141445	48.709	ug/l	93
45) 1,2-Dichloropropane	9.39	63	81722	47.142	ug/l	96
46) Dibromomethane	9.48	93	57160	47.425	ug/l	98
47) Bromodichloromethane	9.67	83	164358	47.833	ug/l	95
48) Methyl methacrylate	9.46	41	44333	53.337	ug/l	90
49) 1,4-Dioxane	9.46	88	13204	958.750	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	187828	242.446	ug/l	99
52) Toluene	10.41	92	288418	48.842	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145074	48.917	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	154308	47.834	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75233	45.611	ug/l	98
56) Ethyl methacrylate	10.67	69	80560	48.004	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122612	46.928	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198009	259.295	ug/l	99
59) 2-Hexanone	10.98	43	137427	251.635	ug/l	99
60) Dibromochloromethane	11.14	129	117505	47.259	ug/l	98
61) 1,2-Dibromoethane	11.25	107	75598	46.607	ug/l	100
64) Tetrachloroethene	10.88	164	125592	47.218	ug/l	98
65) Chlorobenzene	11.67	112	326013	48.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130808	47.666	ug/l	97
67) Ethyl Benzene	11.75	91	572306	49.931	ug/l	95
68) m/p-Xylenes	11.86	106	446413	98.775	ug/l	96
69) o-Xylene	12.18	106	200113	49.875	ug/l	98
70) Styrene	12.20	104	339693	48.689	ug/l	98
71) Bromoform	12.36	173	68493	47.150	ug/l #	98
73) Isopropylbenzene	12.48	105	587735	49.140	ug/l	99
74) N-amyl acetate	12.29	43	70984	47.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	69698	44.138	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	103179	81.465	ug/l	29
77) Bromobenzene	12.76	156	138834	46.691	ug/l	97
78) n-propylbenzene	12.83	91	647454	48.841	ug/l	99
79) 2-Chlorotoluene	12.91	91	369595	47.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	506745	48.935	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22588	42.661	ug/l	96
82) 4-Chlorotoluene	13.01	91	394746	47.451	ug/l	98
83) tert-Butylbenzene	13.23	119	442544	50.220	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	493179	47.894	ug/l	99
85) sec-Butylbenzene	13.41	105	571323	48.576	ug/l	99
86) p-Isopropyltoluene	13.52	119	548135	47.552	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261491	45.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	259236	45.176	ug/l	99
89) n-Butylbenzene	13.85	91	471351	49.219	ug/l	99
90) Hexachloroethane	14.11	117	97899	46.002	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225761	45.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14491	43.972	ug/l	92

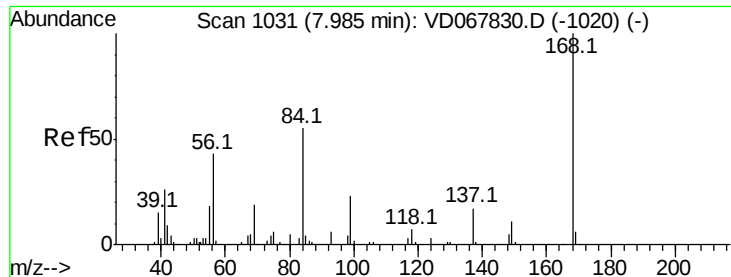
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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	169656	48.755	ug/l	98
94) Hexachlorobutadiene	15.27	225	108937	47.976	ug/l	98
95) Naphthalene	15.40	128	274665	48.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	141925	47.228	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

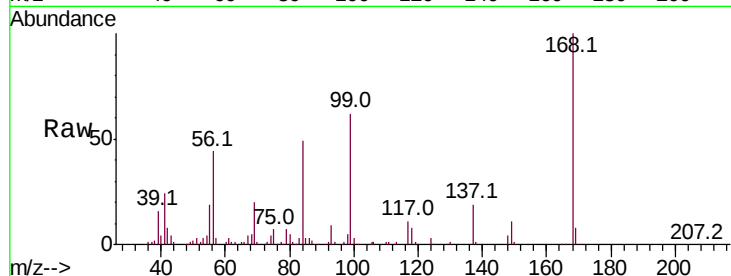
VSTDCCC050

Tot Ion:168 Resp: 247142

Ion Ratio Lower Upper

168 100

99 61.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

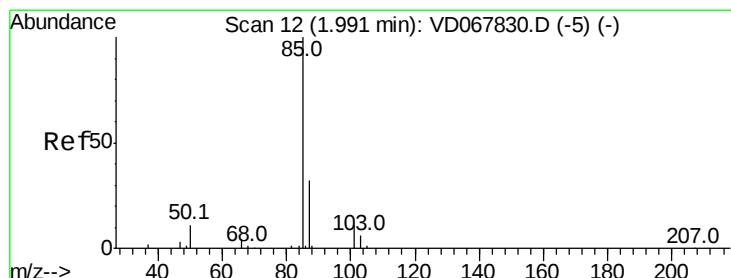
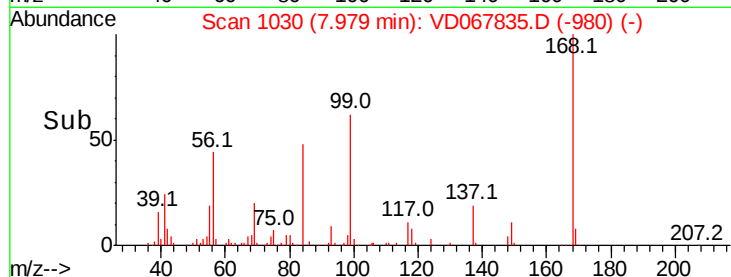
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.156 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067835.D

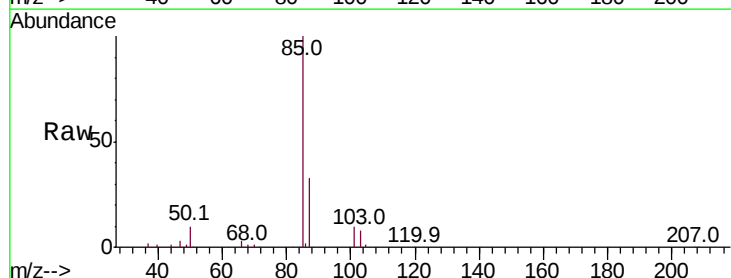
Acq: 02 Dec 2020 14:39

Tgt Ion: 85 Resp: 114328

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

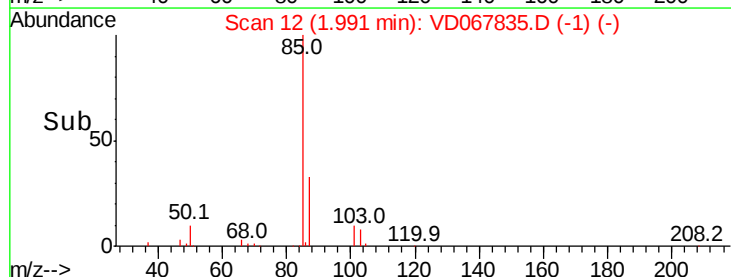
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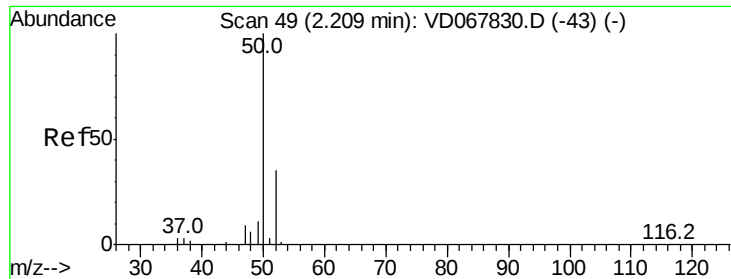
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

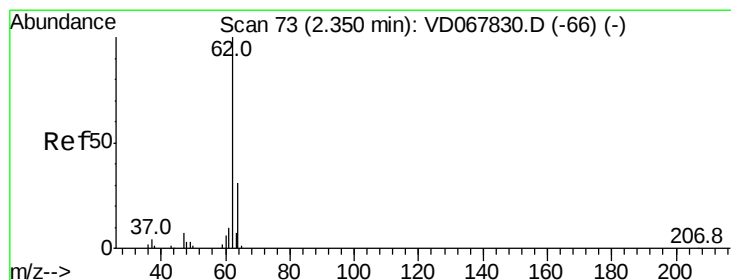
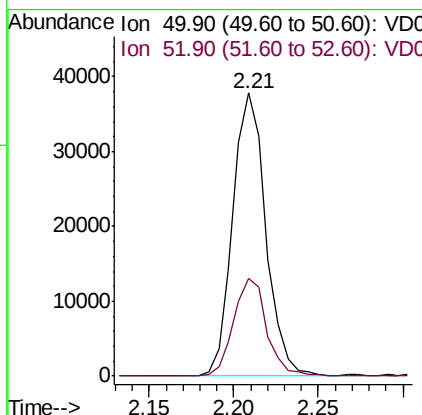
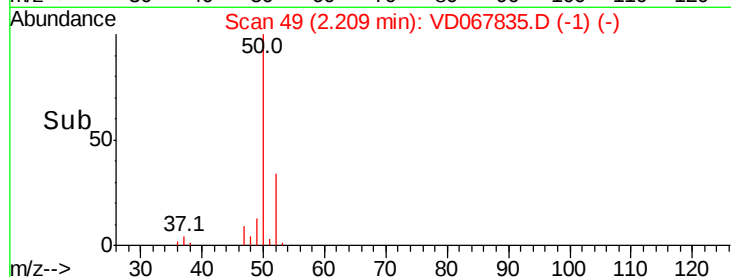
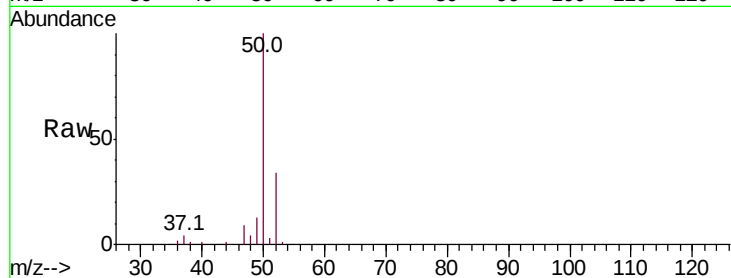
VSTDCCC050

Tot Ion: 50 Resp: 51466

Ion Ratio Lower Upper

50 100

52 34.3 27.8 41.6



#4

Vinyl Chloride

Concen: 49.630 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067835.D

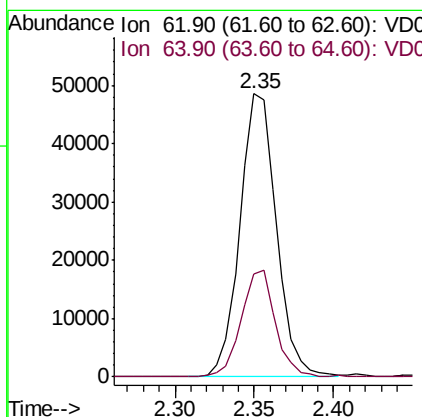
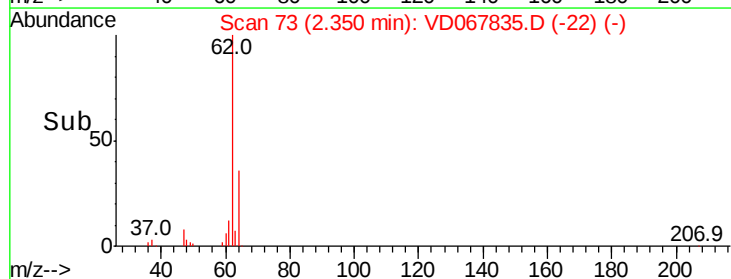
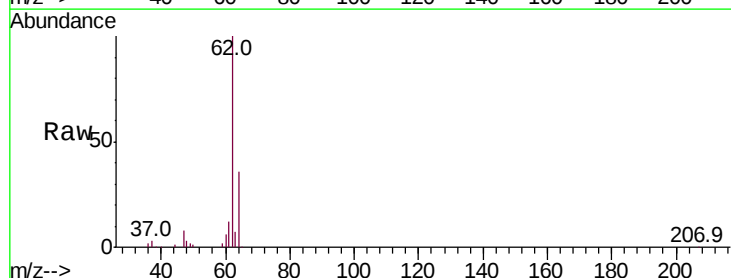
Acq: 02 Dec 2020 14:39

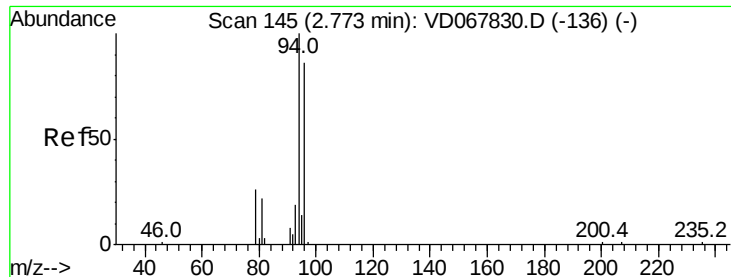
Tgt Ion: 62 Resp: 77586

Ion Ratio Lower Upper

62 100

64 36.2 24.5 36.7





#5

Bromomethane

Concen: 73.942 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

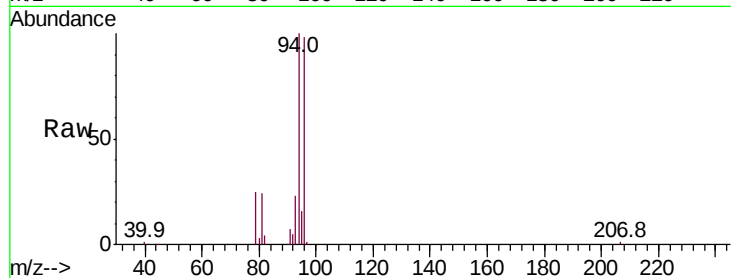
VSTDCCC050

Tot Ion: 94 Resp: 103190

Ion Ratio Lower Upper

94 100

96 98.3 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

50000

40000

30000

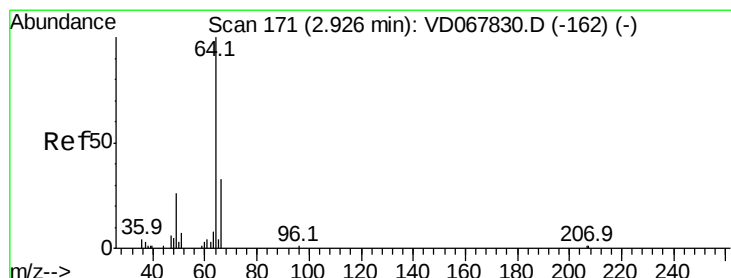
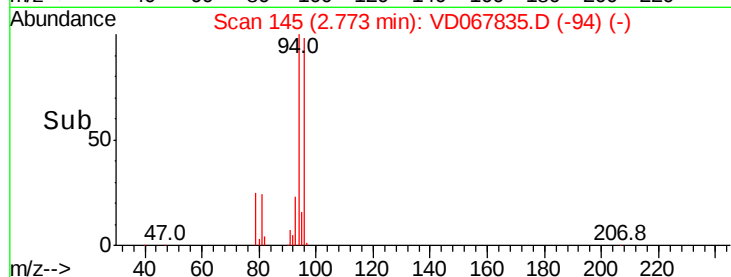
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 51.007 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067835.D

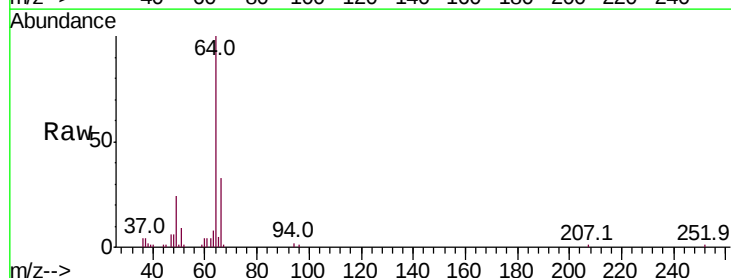
Acq: 02 Dec 2020 14:39

Tgt Ion: 64 Resp: 51916

Ion Ratio Lower Upper

64 100

66 32.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

25000

20000

15000

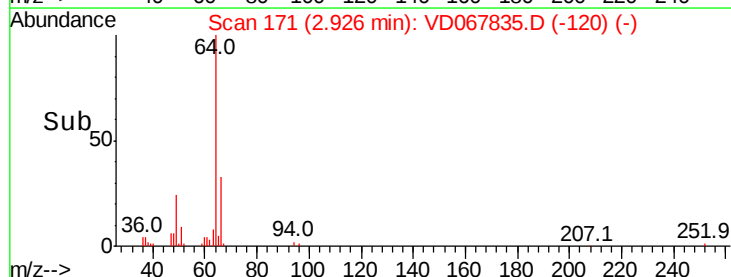
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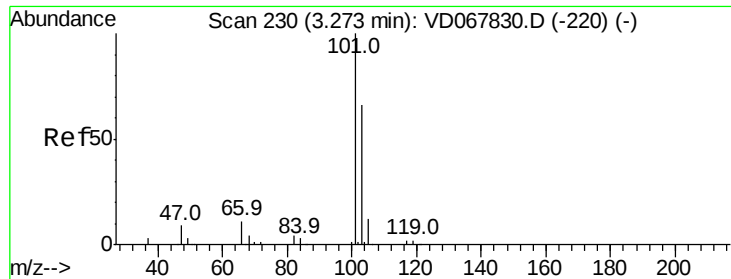
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Time-->

2.85 2.90 2.95 3.00



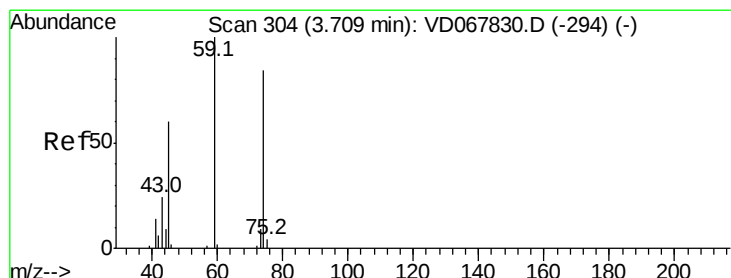
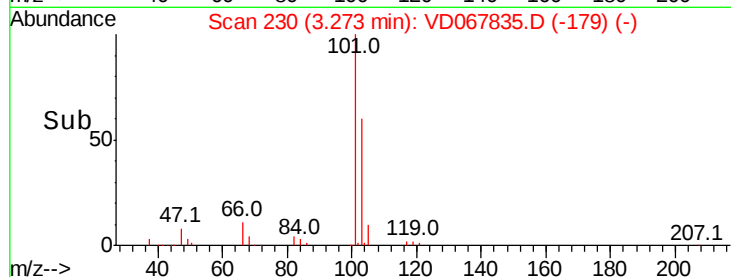
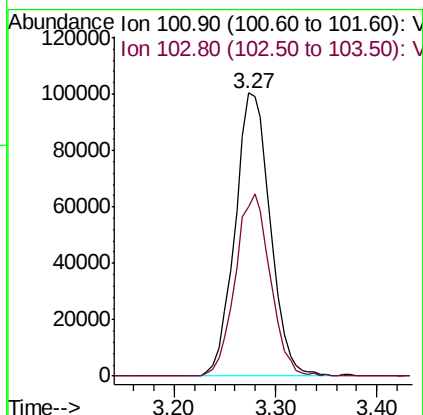
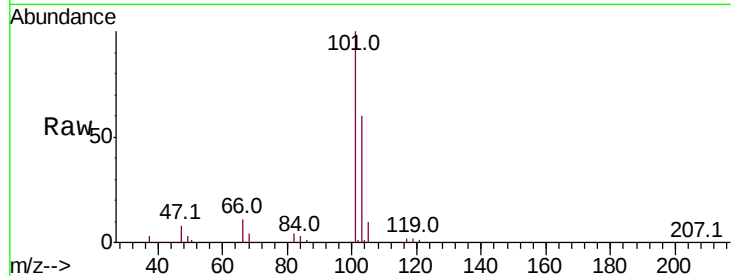


#7

Trichlorofluoromethane
 Concen: 50.527 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

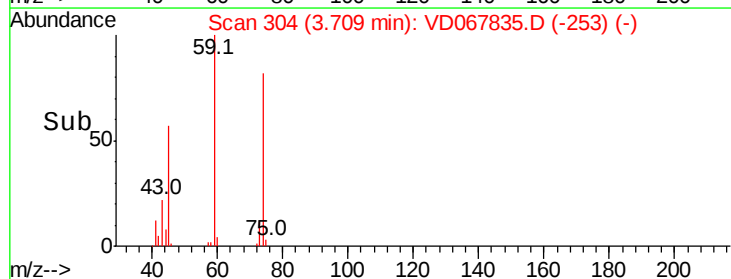
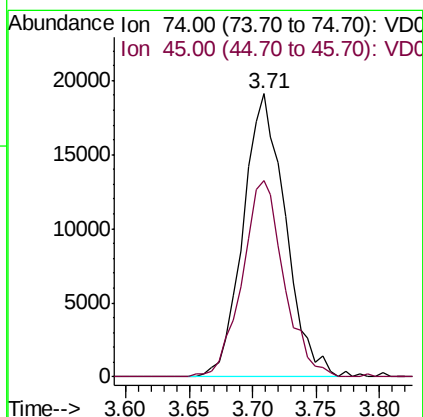
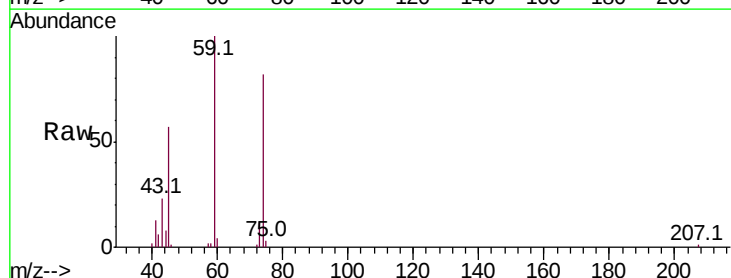
Tot Ion:101 Resp: 241703
 Ion Ratio Lower Upper
 101 100
 103 60.1 53.0 79.6

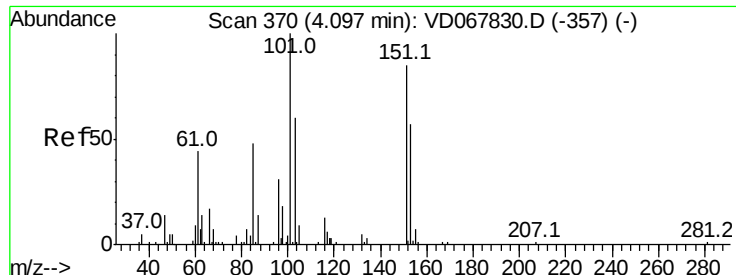


#8

Diethyl Ether
 Concen: 47.396 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 74 Resp: 44191
 Ion Ratio Lower Upper
 74 100
 45 68.6 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.944 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

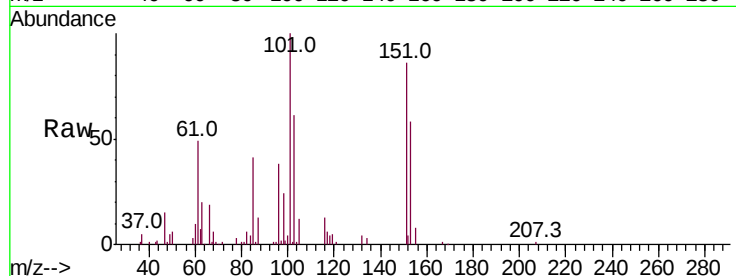
Tot Ion:101 Resp: 111126

Ion Ratio Lower Upper

101 100

85 43.9 36.2 54.4

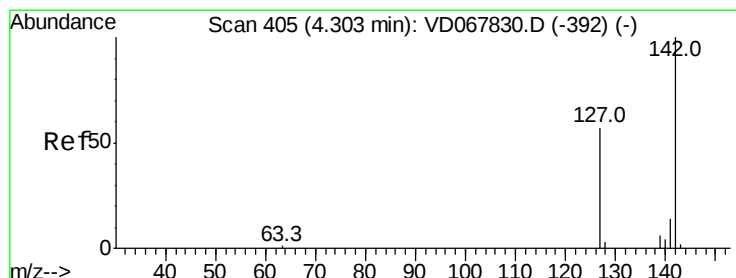
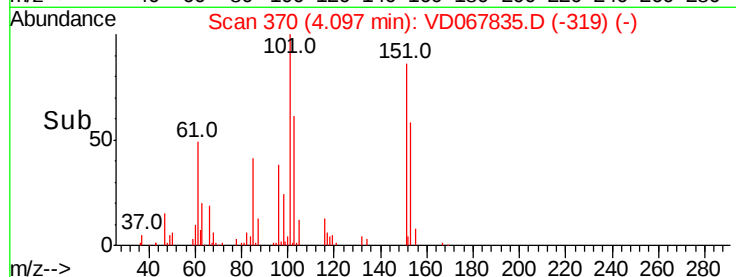
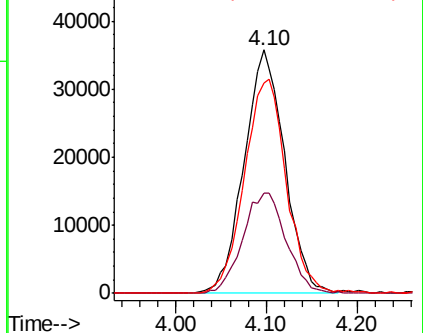
151 90.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.733 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

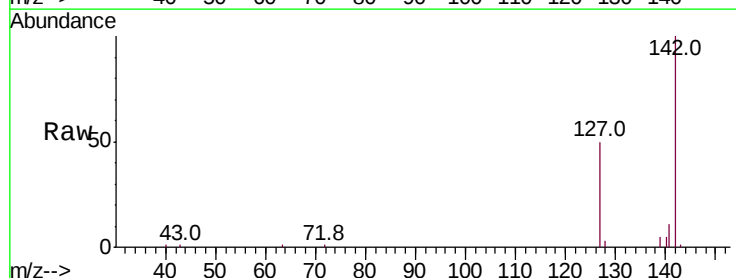
Tgt Ion:142 Resp: 66433

Ion Ratio Lower Upper

142 100

127 52.3 43.9 65.9

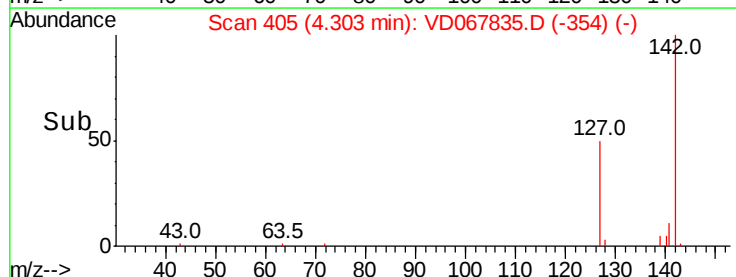
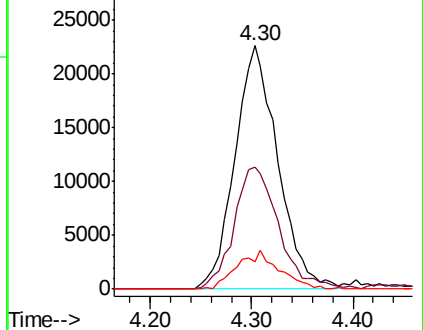
141 15.5 12.2 18.2

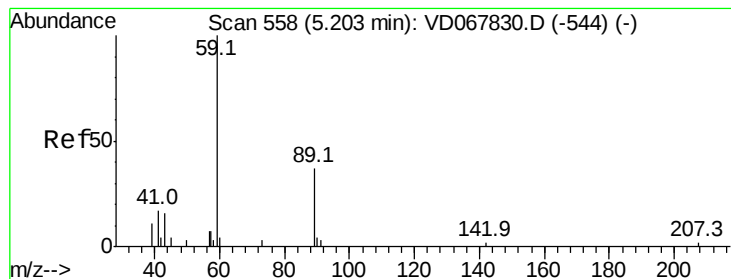


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



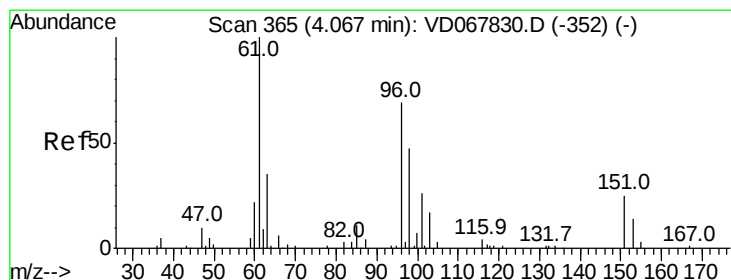
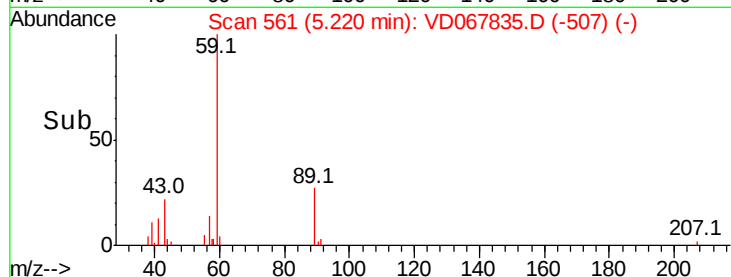
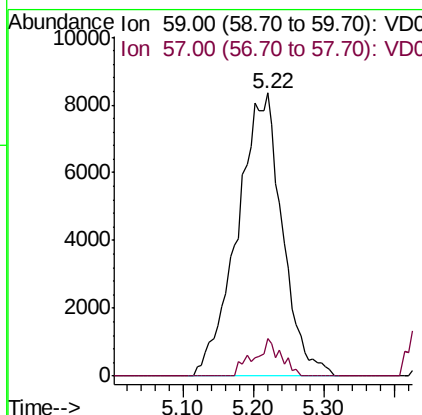
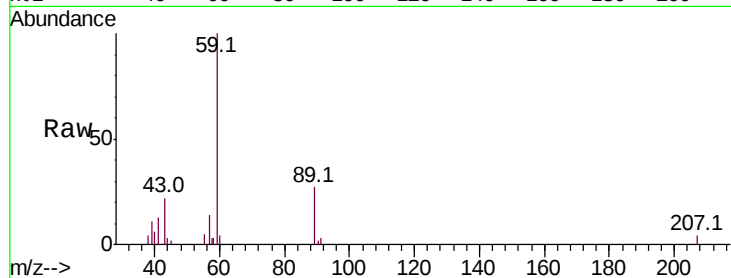


#11

Tert butyl alcohol
 Concen: 277.299 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

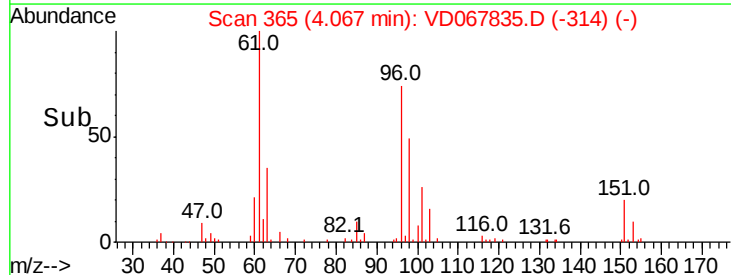
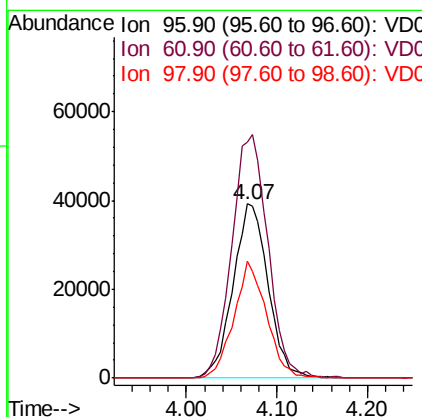
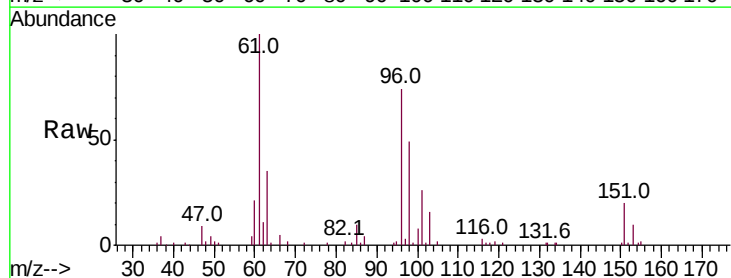
Tot Ion: 59 Resp: 36973
 Ion Ratio Lower Upper
 59 100
 57 7.9 7.7 11.5

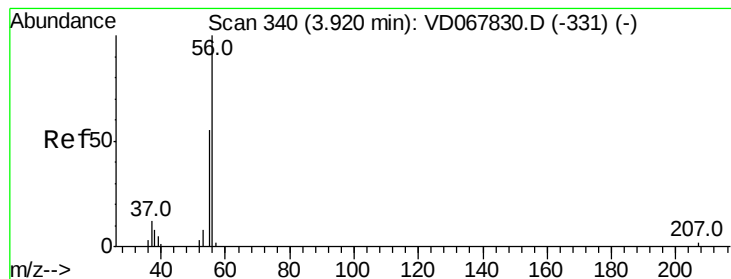


#12

1,1-Dichloroethene
 Concen: 51.415 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 96 Resp: 105294
 Ion Ratio Lower Upper
 96 100
 61 135.5 116.1 174.1
 98 66.9 54.6 82.0





#13

Acrolein

Concen: 217.551 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

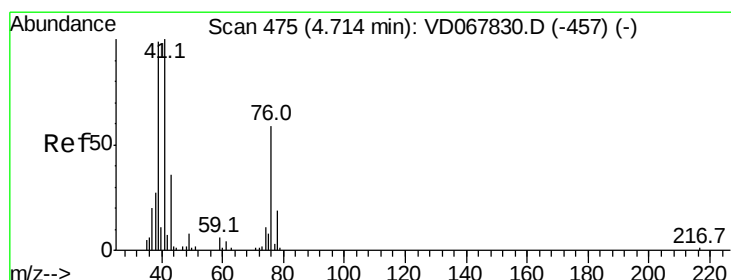
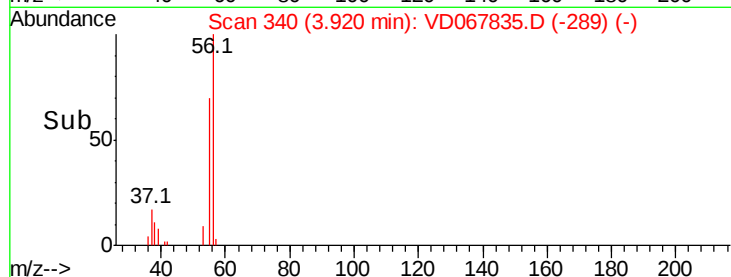
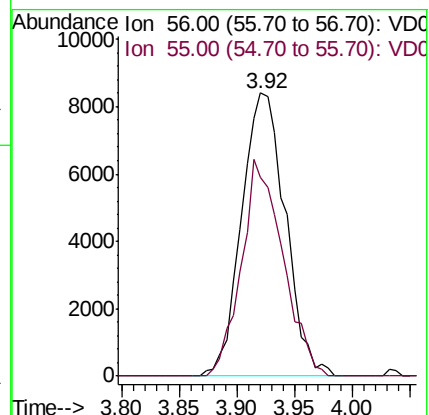
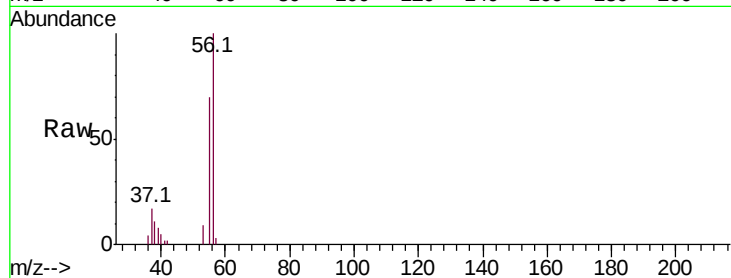
VSTDCCC050

Tot Ion: 56 Resp: 22181

Ion Ratio Lower Upper

56 100

55 72.5 56.5 84.7



#14

Allyl chloride

Concen: 52.390 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

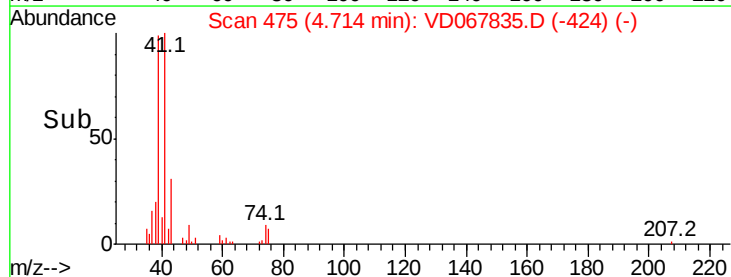
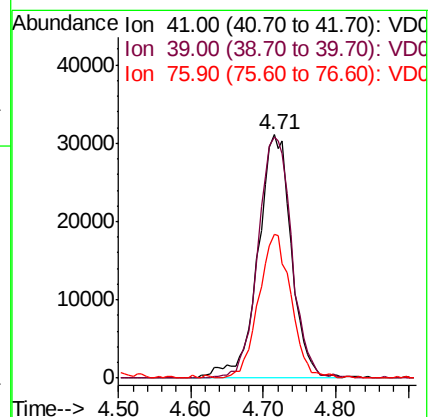
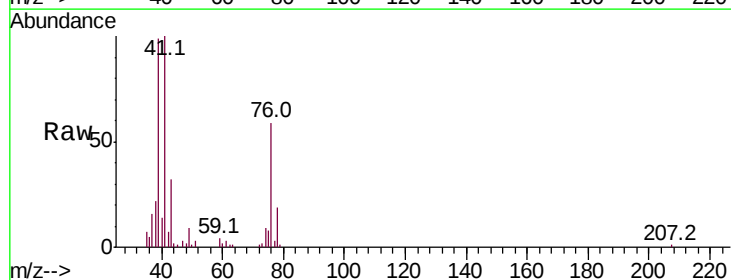
Tgt Ion: 41 Resp: 99256

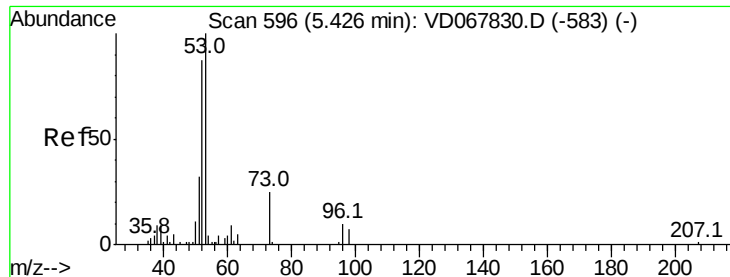
Ion Ratio Lower Upper

41 100

39 99.7 79.0 118.6

76 57.4 46.6 70.0





#15

Acrylonitrile

Concen: 240.624 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

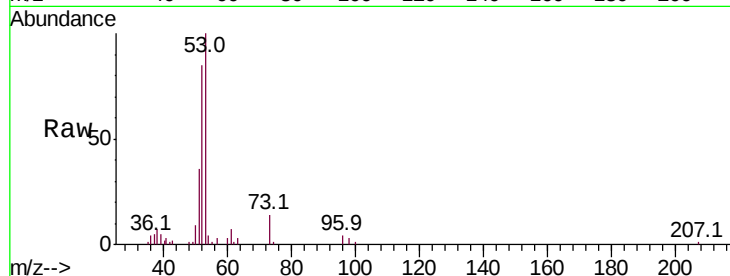
Tot Ion: 53 Resp: 77792

Ion Ratio Lower Upper

53 100

52 85.2 66.2 99.2

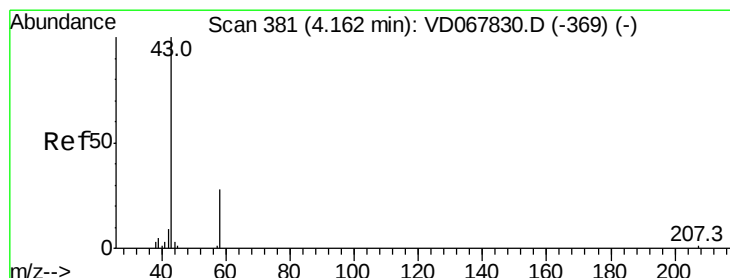
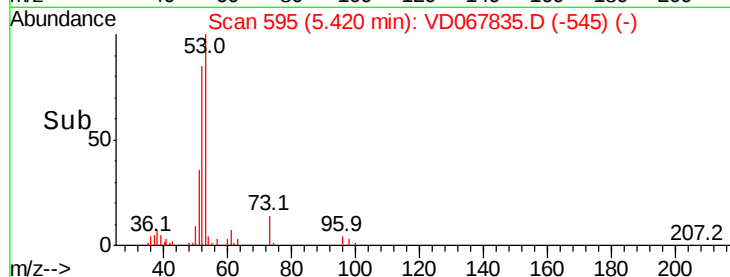
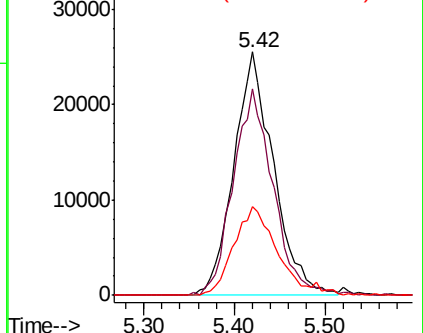
51 40.1 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 283.855 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067835.D

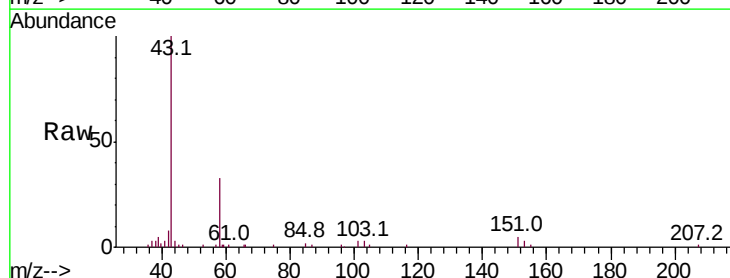
Acq: 02 Dec 2020 14:39

Tgt Ion: 43 Resp: 93062

Ion Ratio Lower Upper

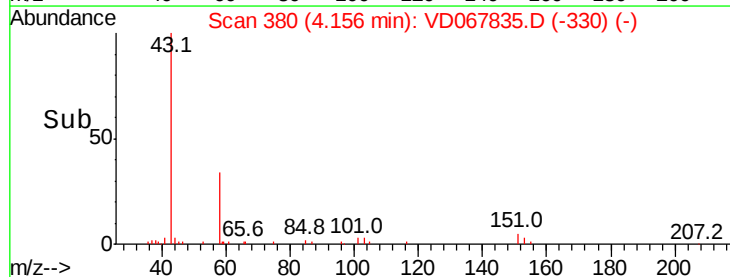
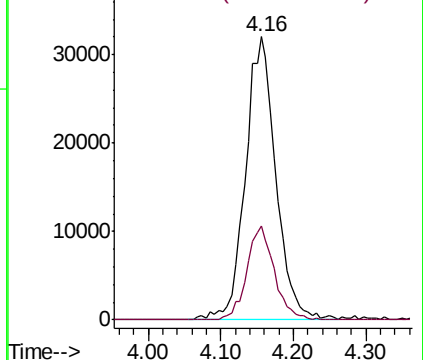
43 100

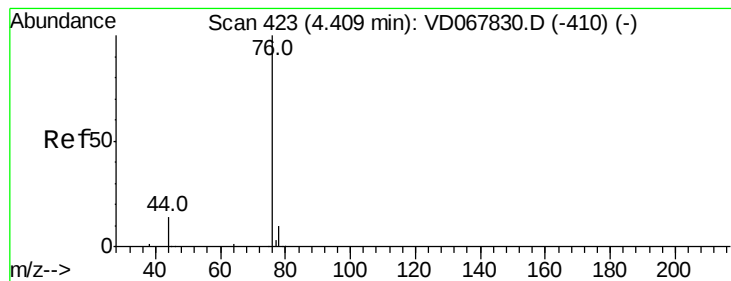
58 33.3 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 49.205 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

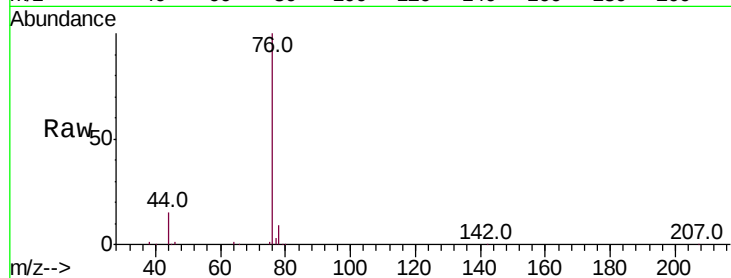
VSTDCCC050

Tot Ion: 76 Resp: 281345

Ion Ratio Lower Upper

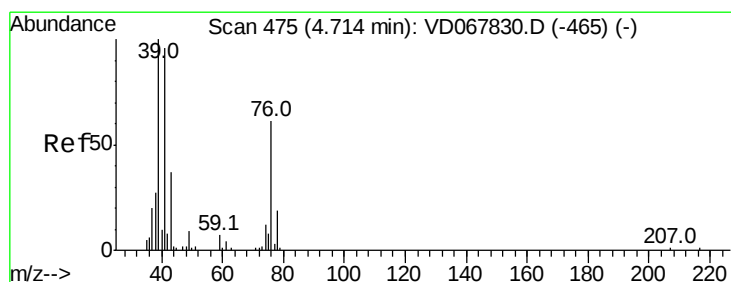
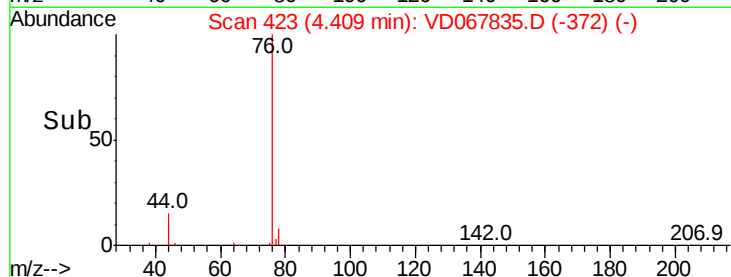
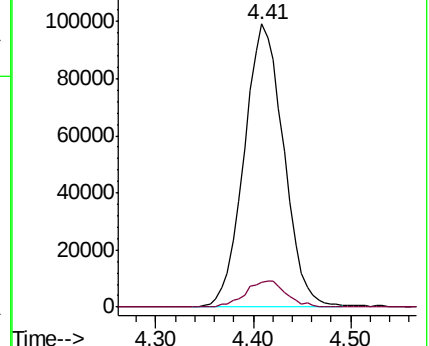
76 100

78 8.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 48.212 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067835.D

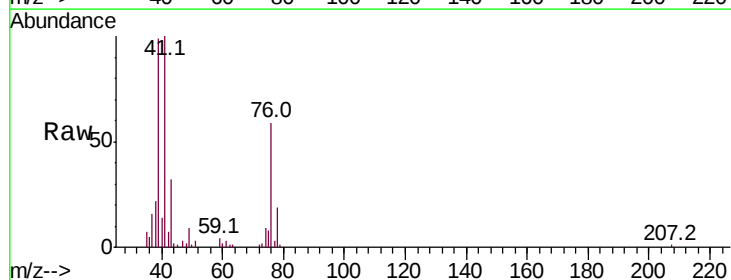
Acq: 02 Dec 2020 14:39

Tgt Ion: 43 Resp: 29680

Ion Ratio Lower Upper

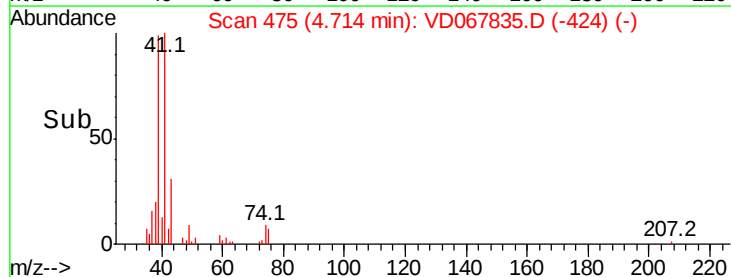
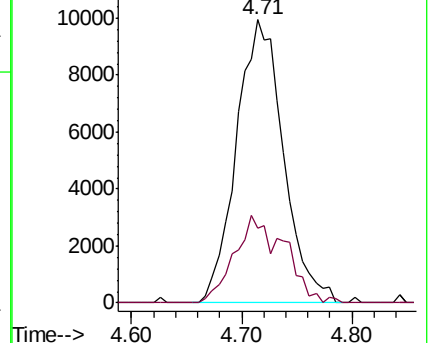
43 100

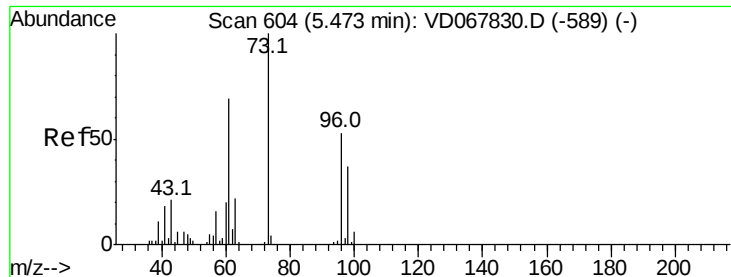
74 21.6 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



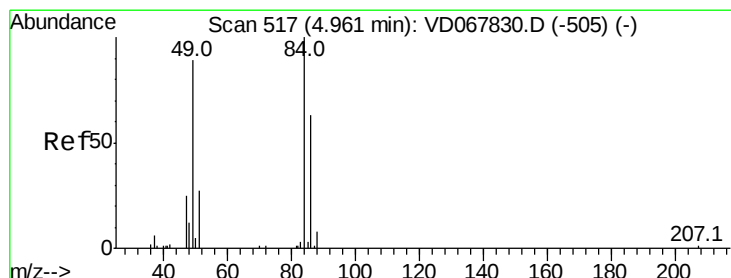
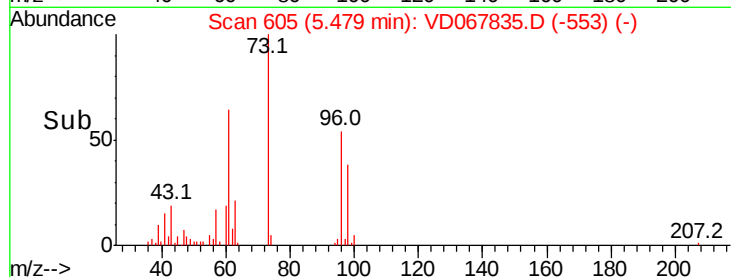
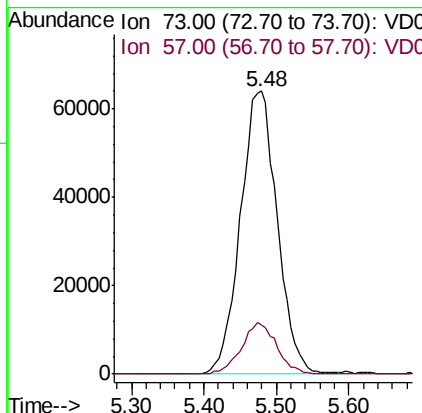
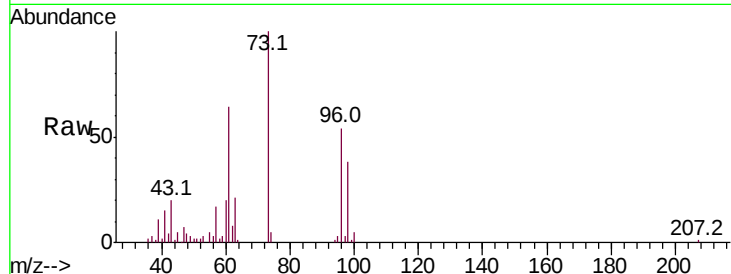


#19

Methyl tert-butyl Ether
 Concen: 51.515 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

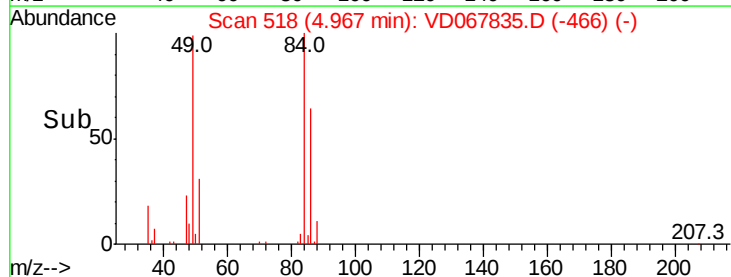
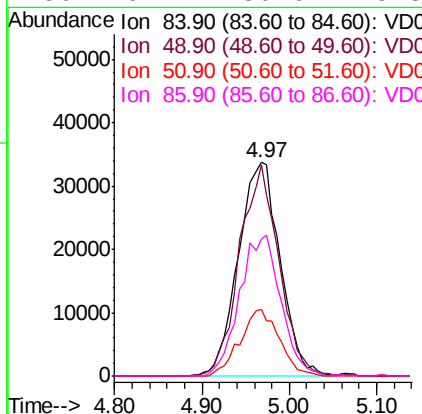
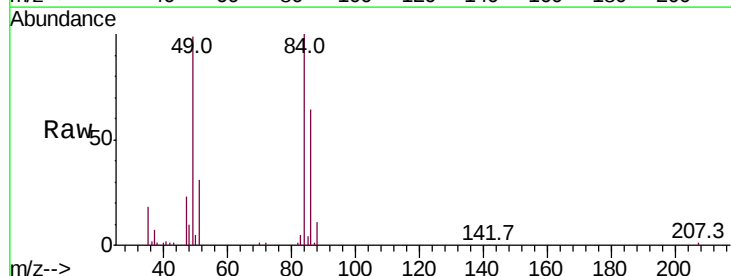
Tot Ion: 73 Resp: 225907
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.2 19.8

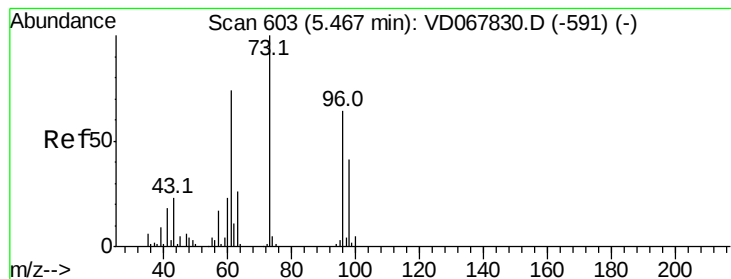


#20

Methylene Chloride
 Concen: 51.764 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 84 Resp: 109623
 Ion Ratio Lower Upper
 84 100
 49 99.1 71.4 107.0
 51 31.2 21.8 32.8
 86 64.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.127 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

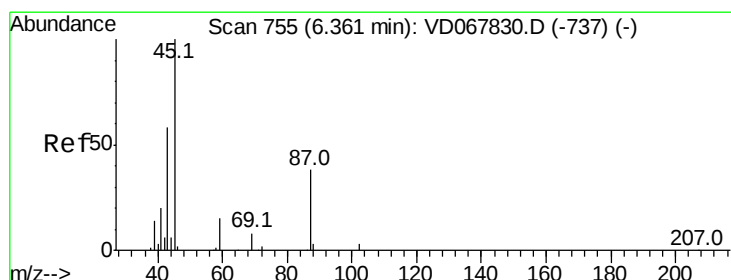
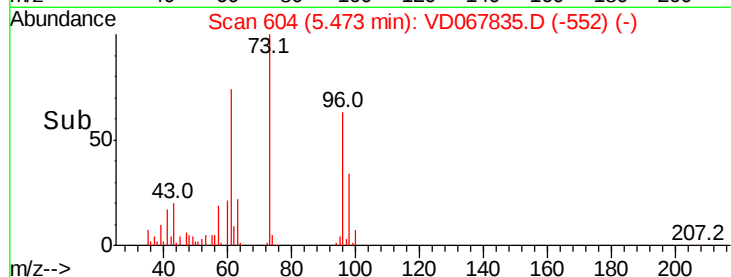
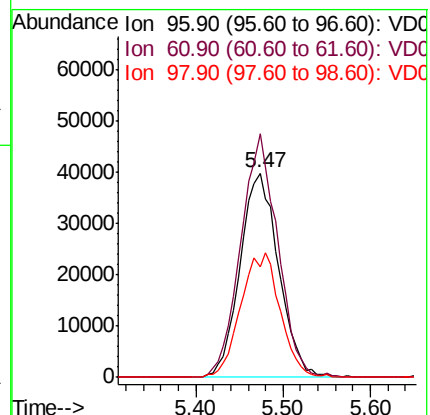
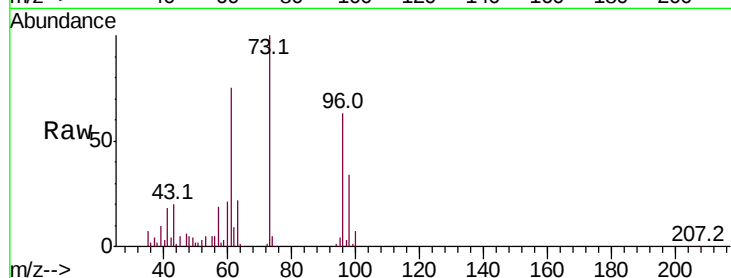
Tot Ion: 96 Resp: 119146

Ion Ratio Lower Upper

96 100

61 119.4 93.1 139.7

98 54.4 52.2 78.2



#22

Diisopropyl ether

Concen: 50.046 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion: 45 Resp: 190697

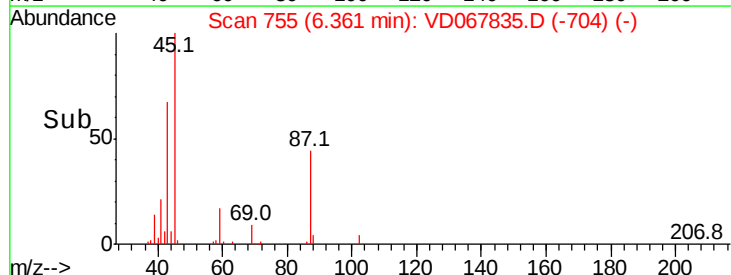
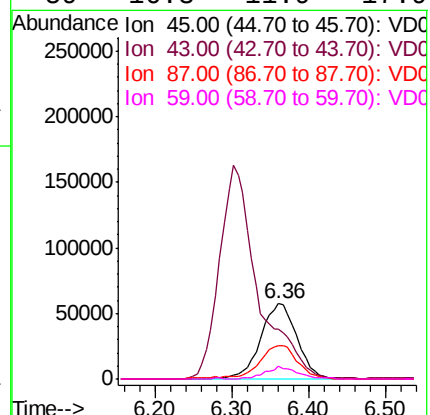
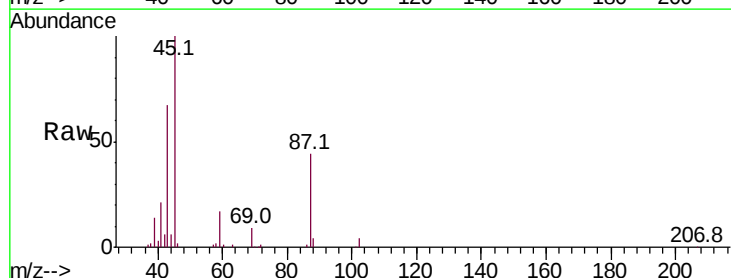
Ion Ratio Lower Upper

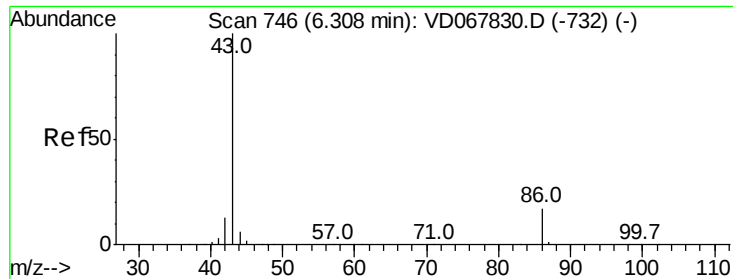
45 100

43 65.4 49.8 74.6

87 43.4 32.1 48.1

59 16.3 11.9 17.9

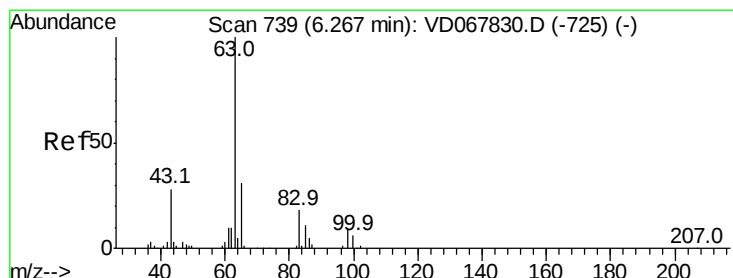
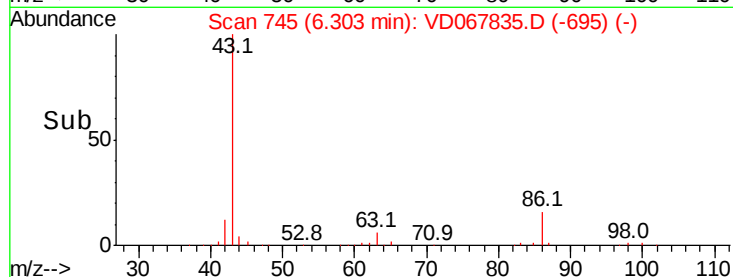
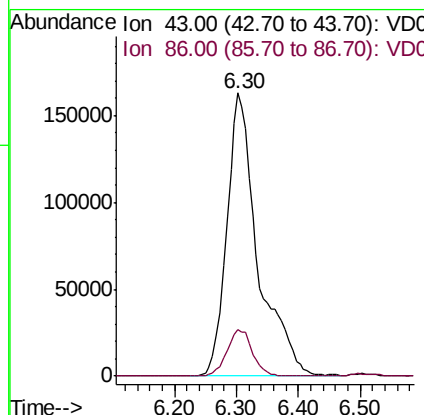
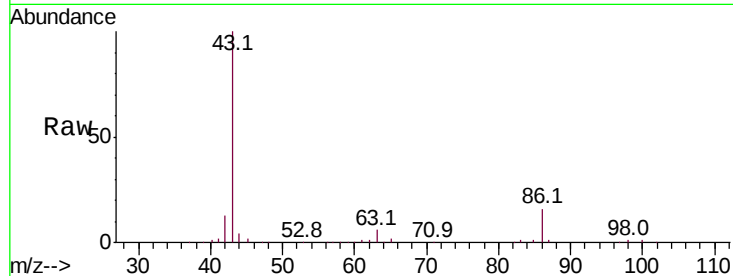




#23
 Vinyl Acetate
 Concen: 267.891 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

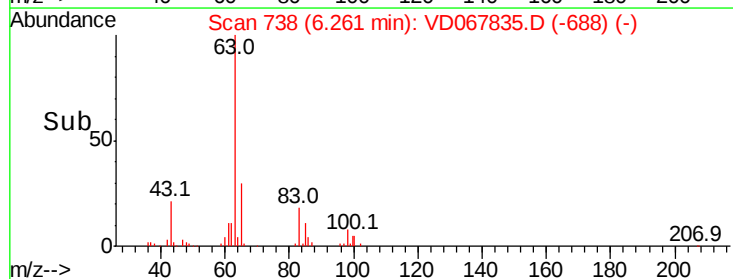
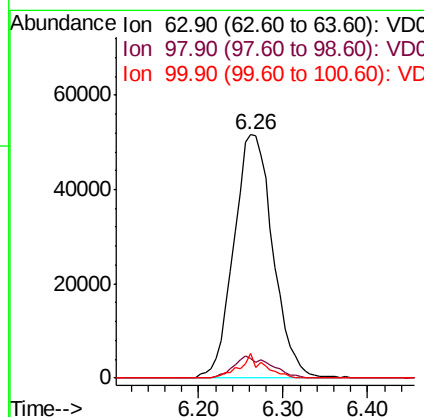
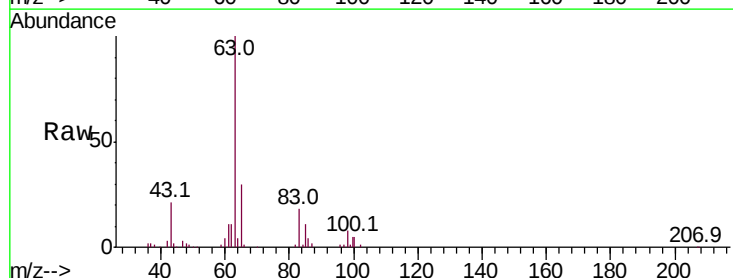
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

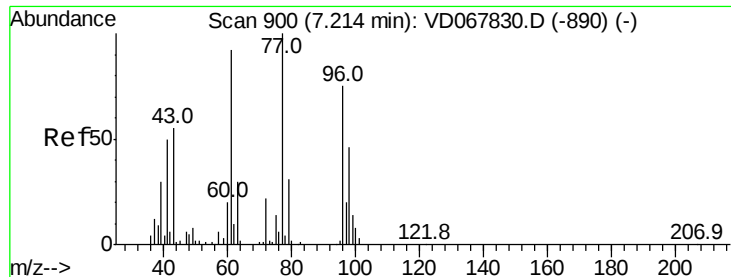
Tot Ion: 43 Resp: 567879
 Ion Ratio Lower Upper
 43 100
 86 16.3 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 49.412 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 63 Resp: 165047
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.5 13.5
 100 9.9 3.0 9.2#

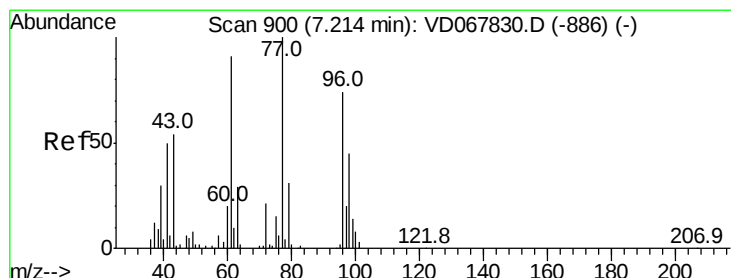
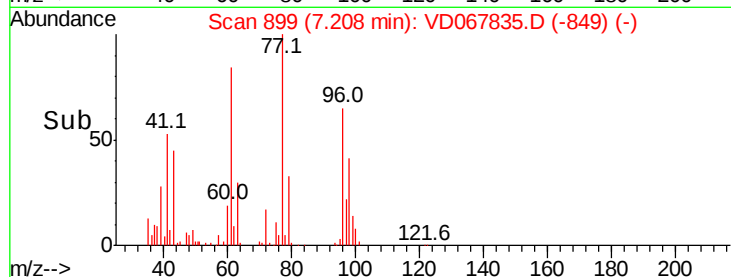
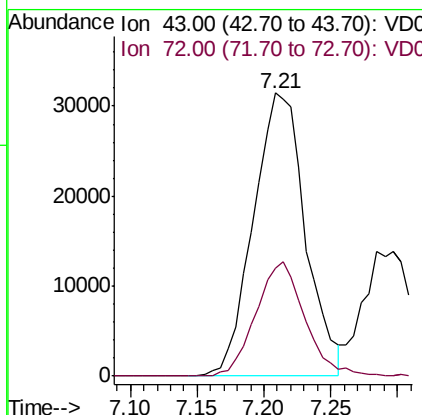
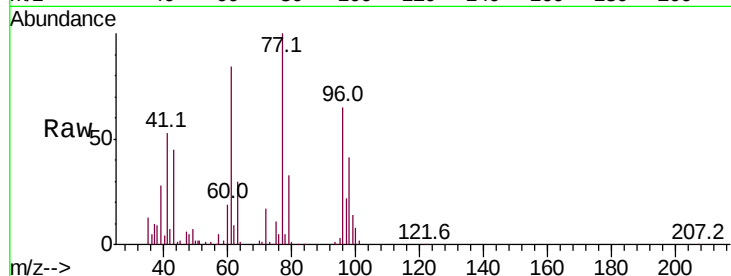




#25
2-Butanone
Concen: 246.590 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

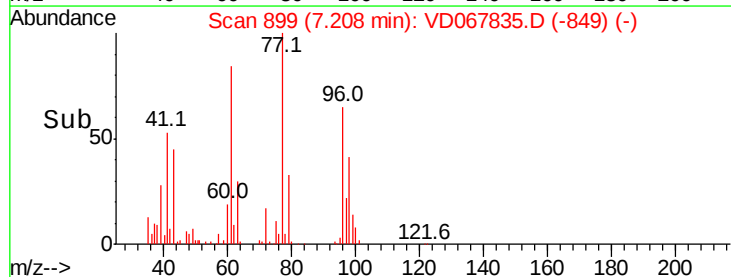
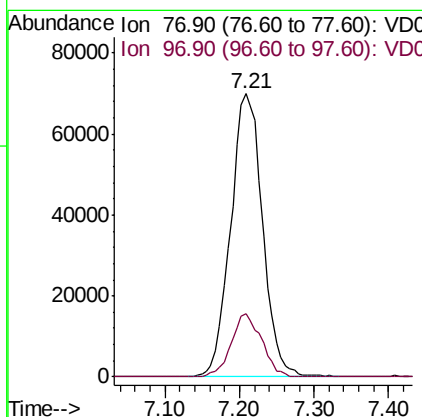
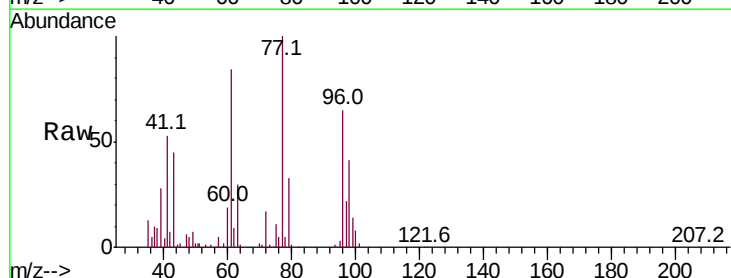
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

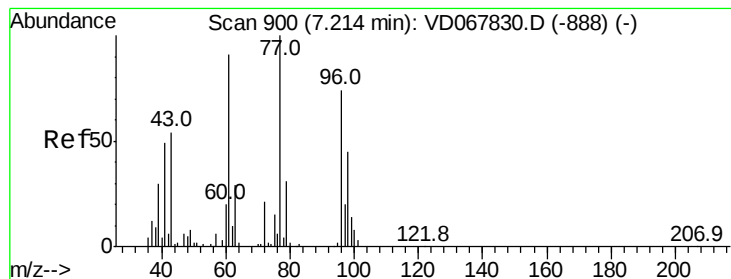
Tot Ion: 43 Resp: 85033
Ion Ratio Lower Upper
43 100
72 38.2 31.3 46.9



#26
2,2-Dichloropropane
Concen: 52.145 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 77 Resp: 207700
Ion Ratio Lower Upper
77 100
97 21.4 11.1 33.1



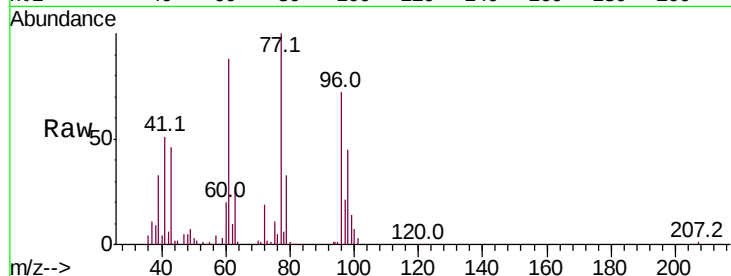


#27

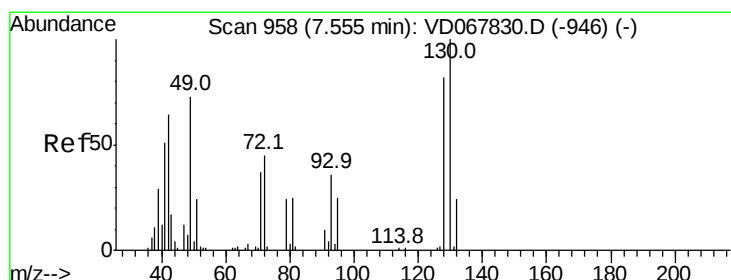
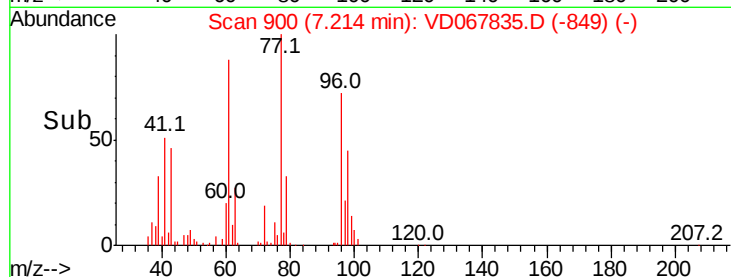
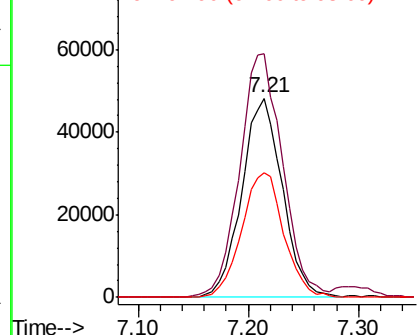
cis-1,2-Dichloroethene
 Concen: 48.806 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	124404
Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	248.4
98	64.9	0.0	127.4



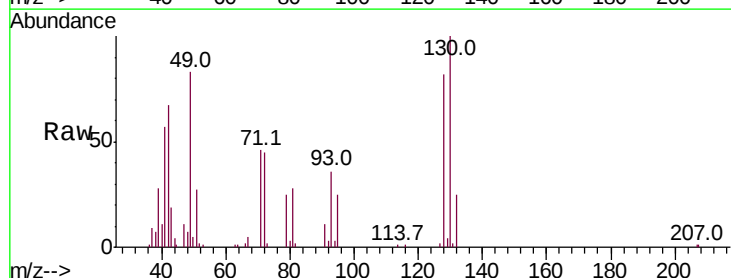
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



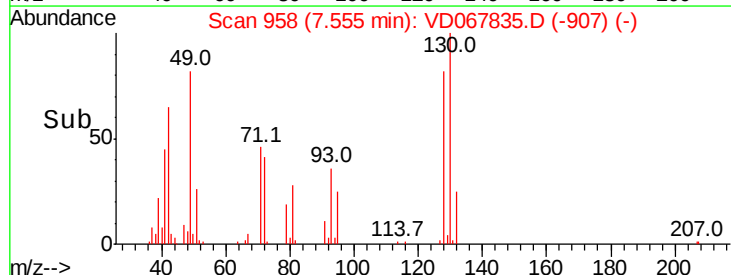
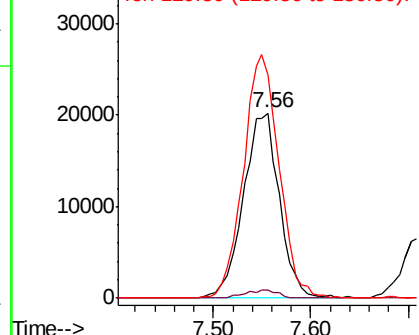
#28

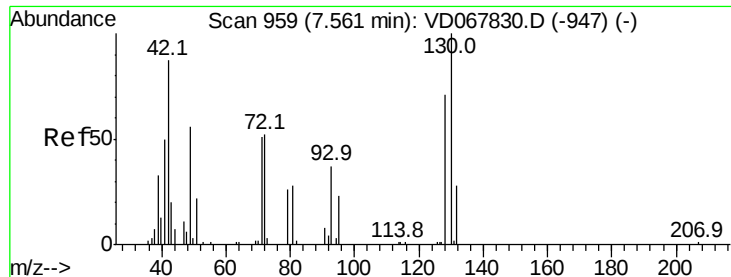
Bromochloromethane
 Concen: 48.836 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	49	Resp	51791
Ion	Ratio	Lower	Upper
49	100		
129	3.9	0.0	3.4#
130	130.3	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: 246.679 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

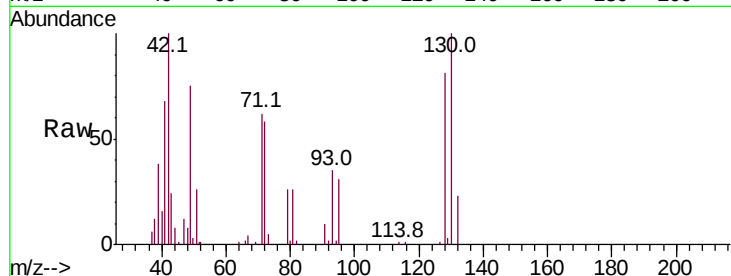
Tot Ion: 42 Resp: 48434

Ion Ratio Lower Upper

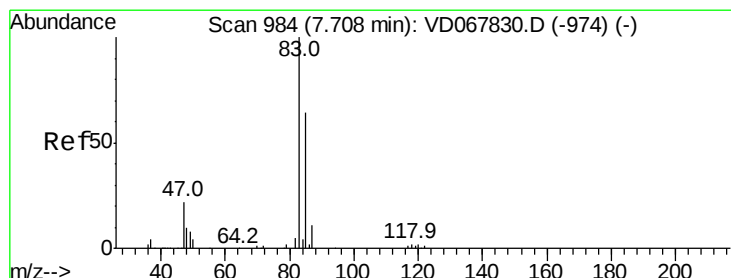
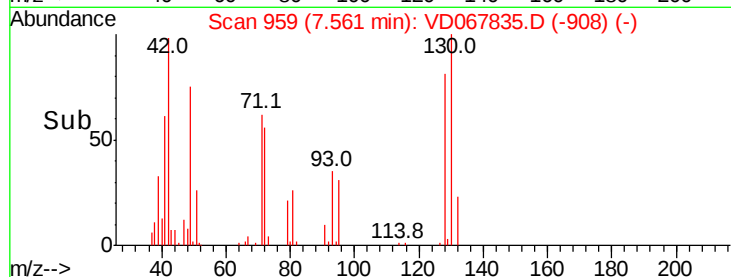
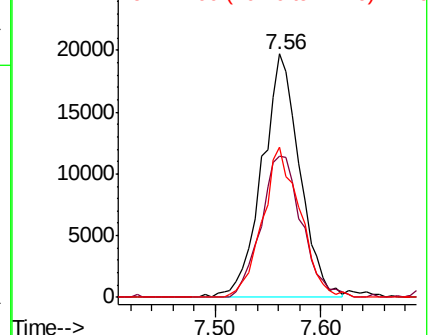
42 100

72 63.3 51.9 77.9

71 62.1 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: 48.108 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067835.D

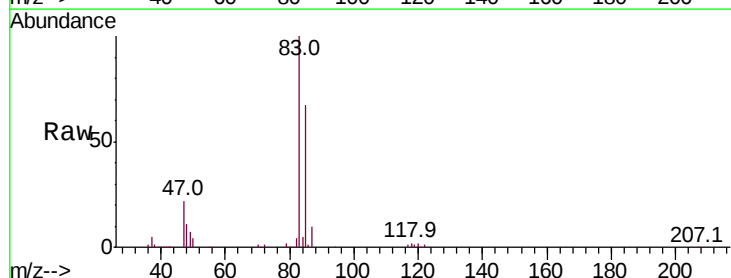
Acq: 02 Dec 2020 14:39

Tgt Ion: 83 Resp: 214748

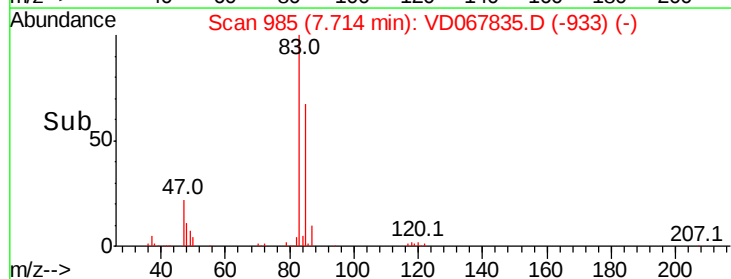
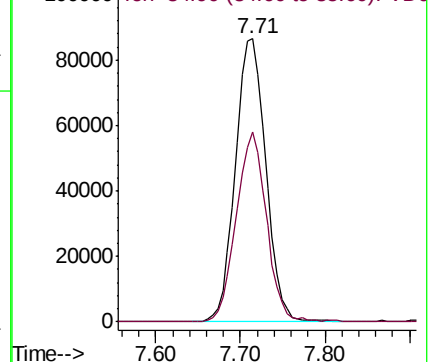
Ion Ratio Lower Upper

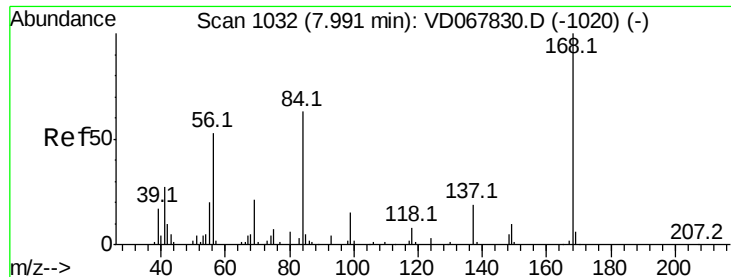
83 100

85 67.1 51.0 76.4



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

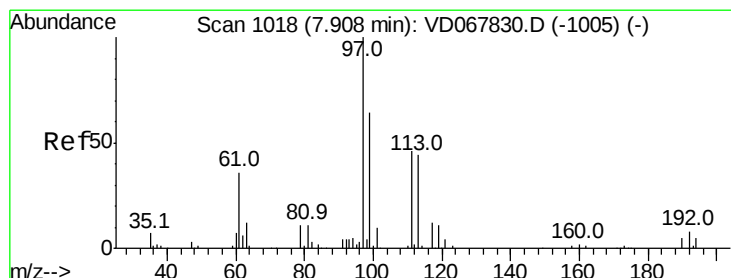
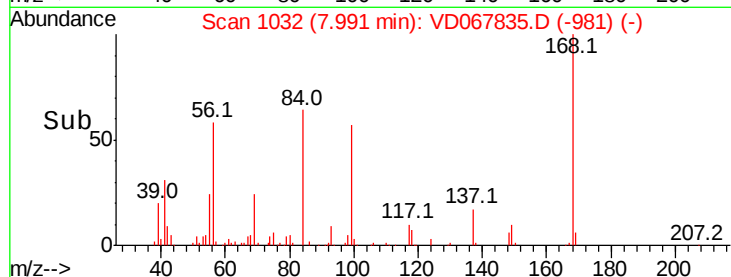
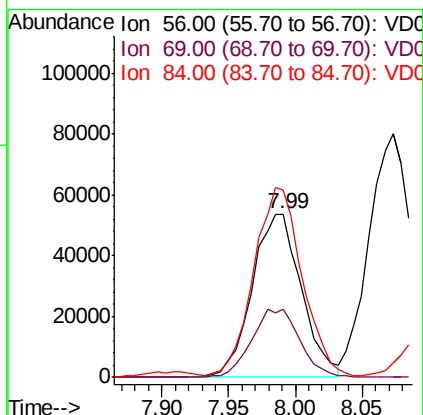
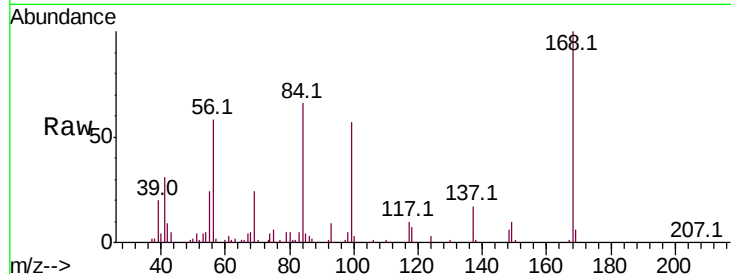




#31
Cyclohexane
Concen: 49.101 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

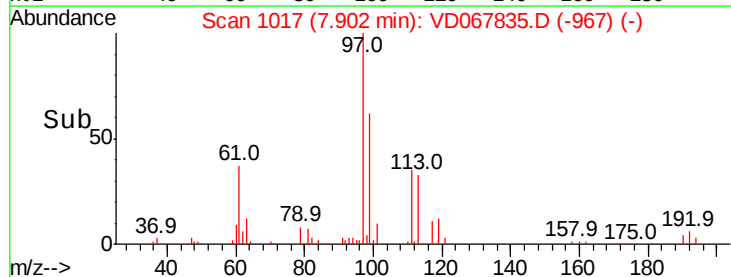
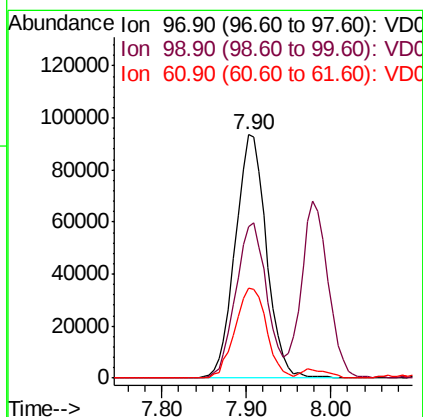
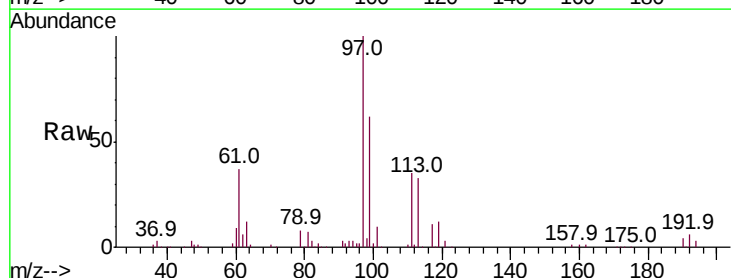
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

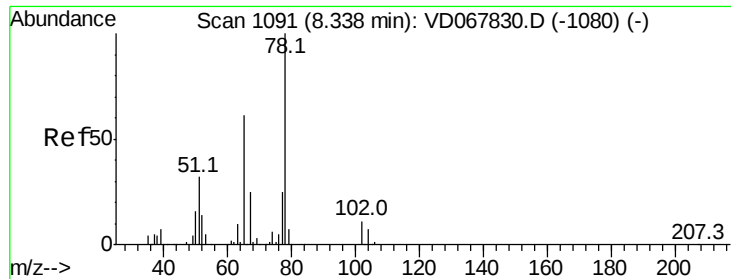
Tot Ion: 56 Resp: 137251
Ion Ratio Lower Upper
56 100
69 41.5 32.1 48.1
84 111.9 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 50.661 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 97 Resp: 238717
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.2
61 37.4 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 47.788 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

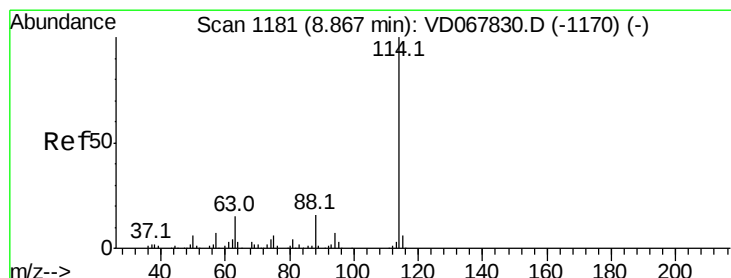
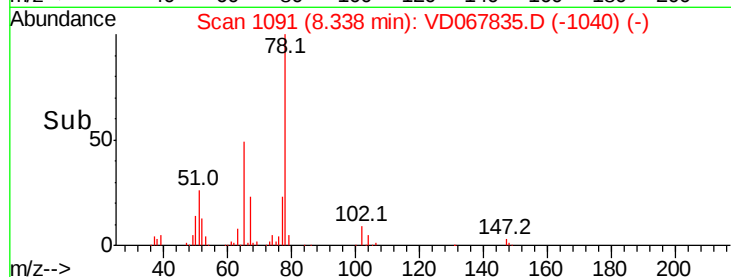
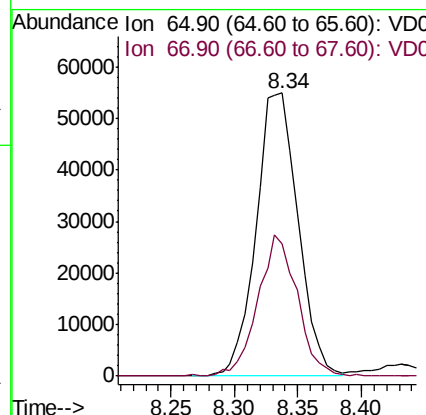
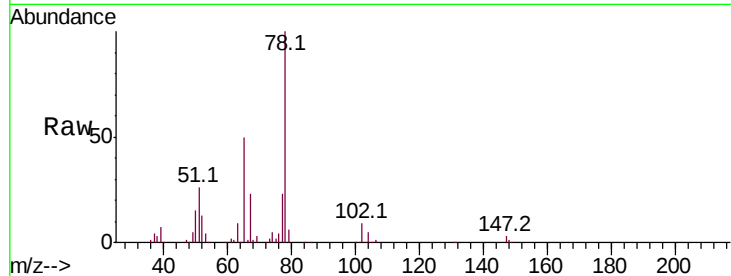
Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 126790

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

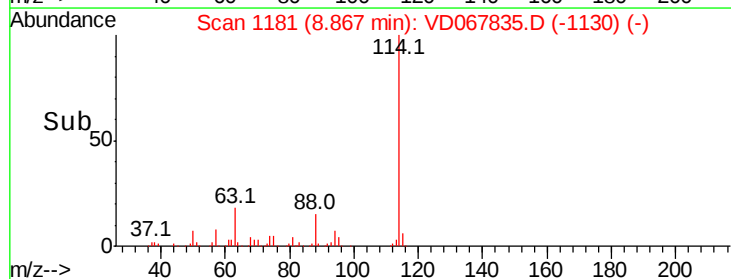
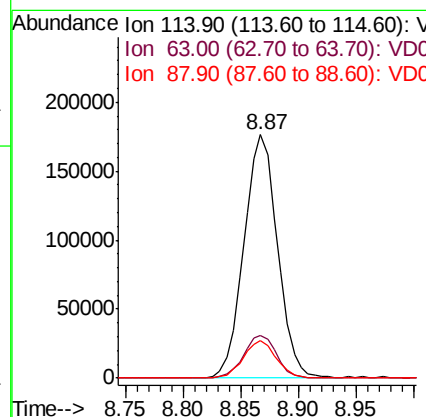
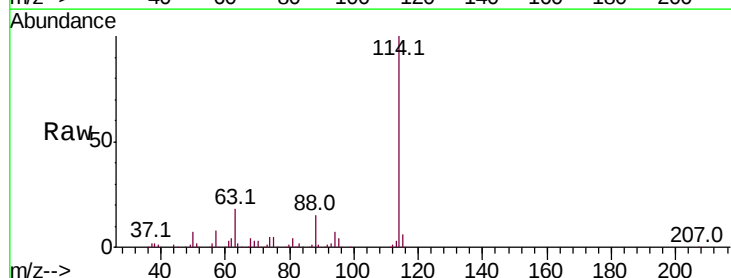
Delta R.T. -0.00 min

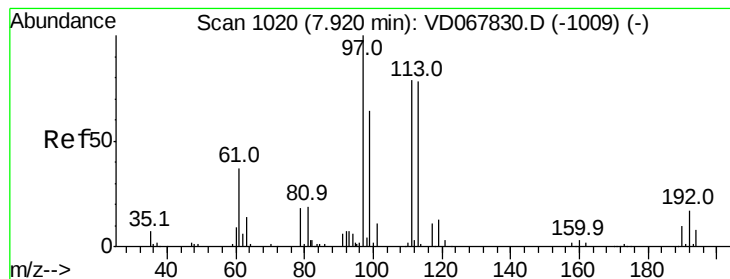
Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion: 114 Resp: 356560

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	30.8
88	15.4	0.0	31.8





#35

Dibromofluoromethane

Concen: 48.741 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

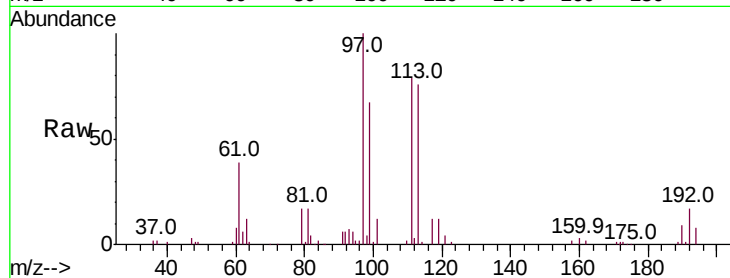
Tot Ion:113 Resp: 116292

Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

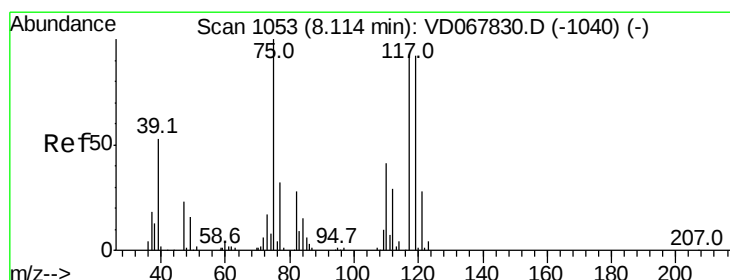
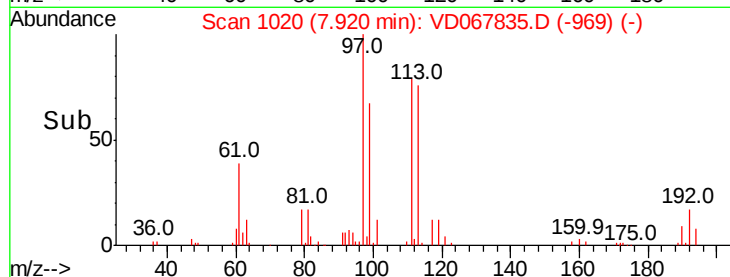
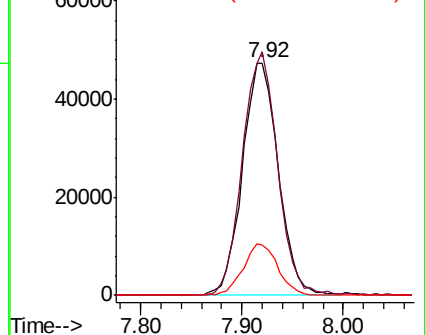
192 21.4 16.8 25.2



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: 50.285 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

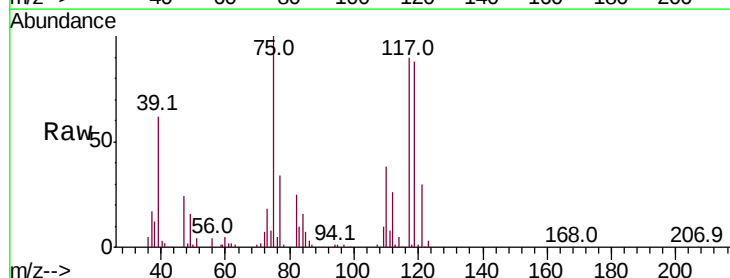
Tgt Ion: 75 Resp: 155216

Ion Ratio Lower Upper

75 100

110 39.9 20.3 61.0

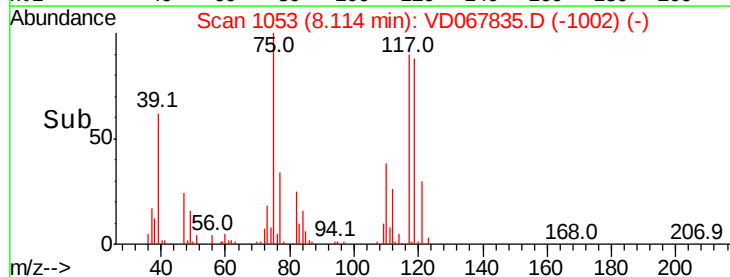
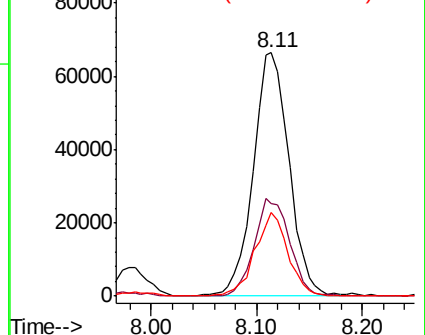
77 32.2 24.7 37.1

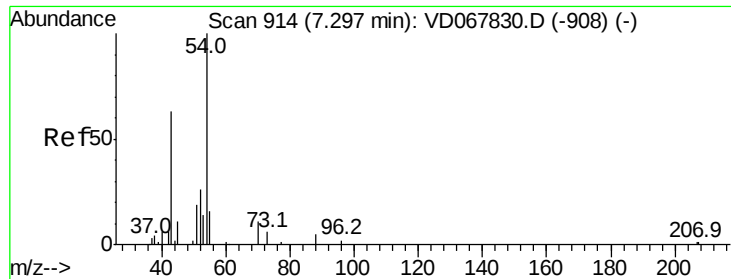


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

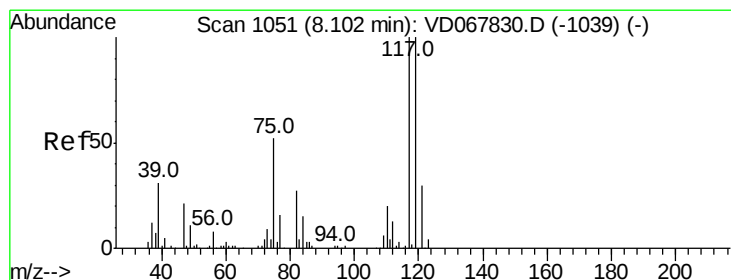
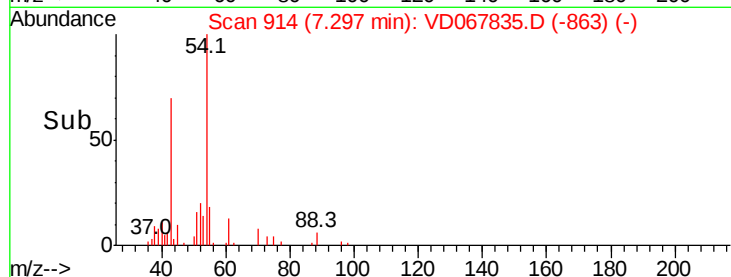
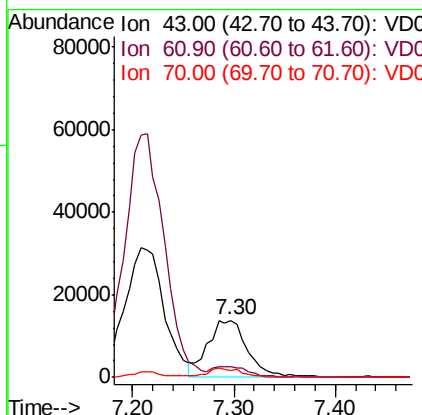
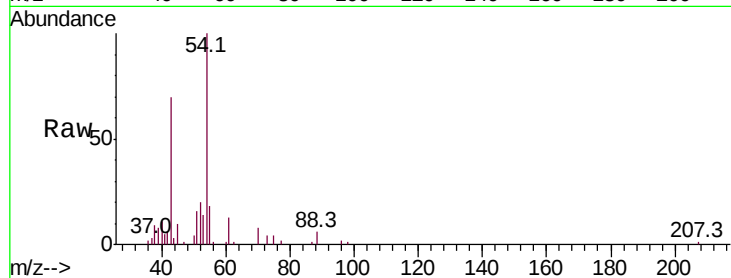




#37
Ethyl Acetate
Concen: 45.941 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

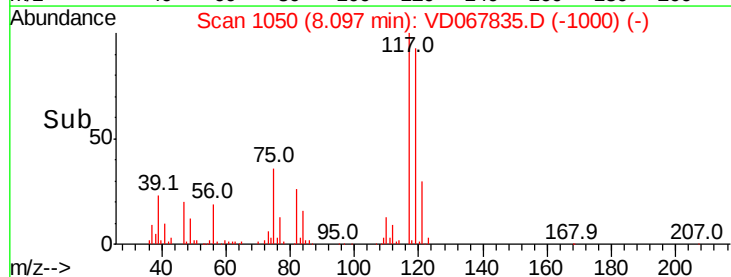
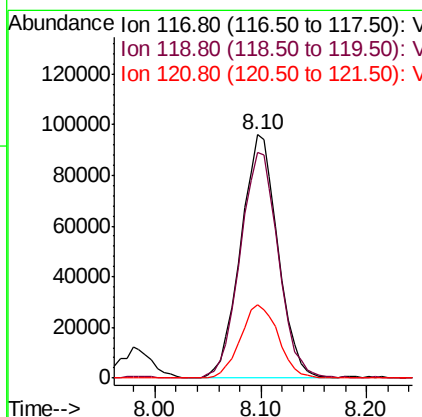
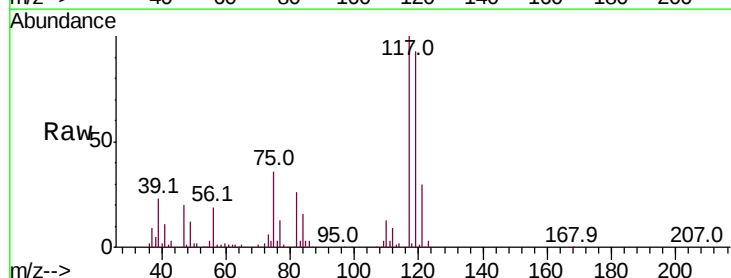
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

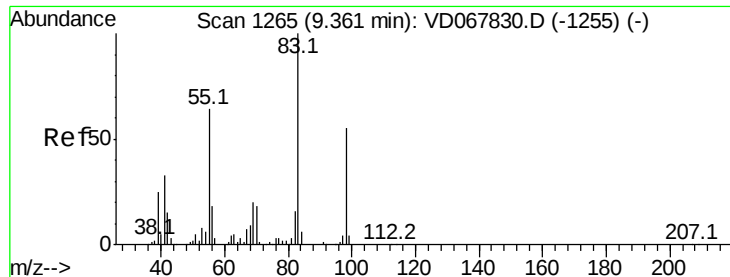
Tot Ion: 43 Resp: 38219
Ion Ratio Lower Upper
43 100
61 17.4 11.4 17.2#
70 13.4 11.5 17.3



#38
Carbon Tetrachloride
Concen: 49.971 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 117 Resp: 233380
Ion Ratio Lower Upper
117 100
119 92.9 79.7 119.5
121 30.3 23.8 35.6

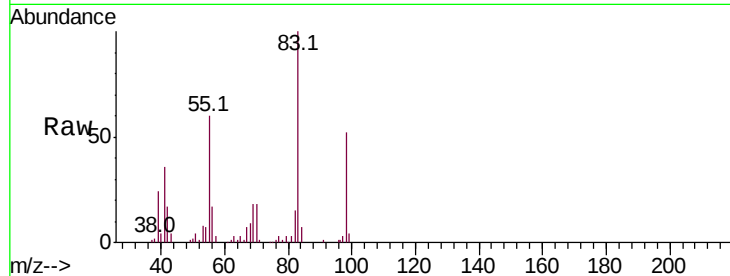




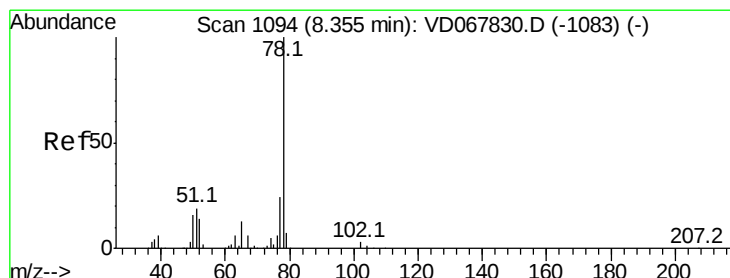
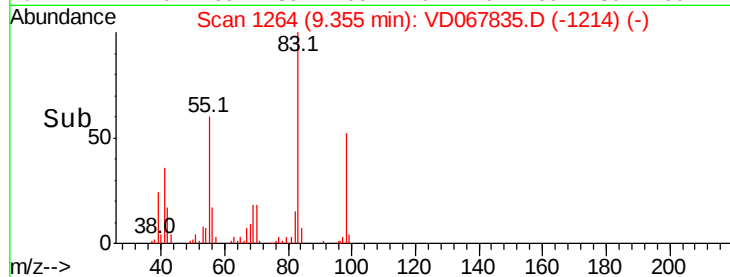
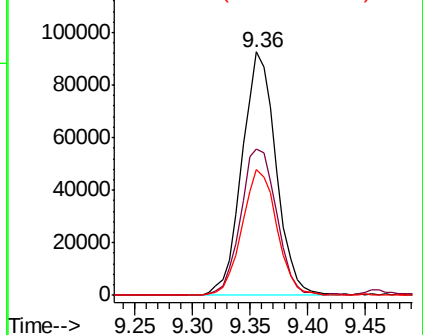
#39
Methvlcvclohexane
Concen: 51.965 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 190083
Ion Ratio Lower Upper
83 100
55 60.2 51.6 77.4
98 51.7 44.3 66.5

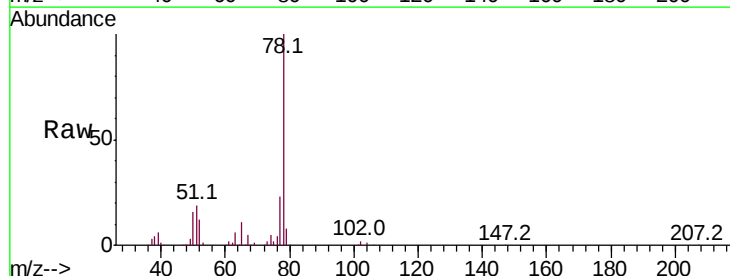


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

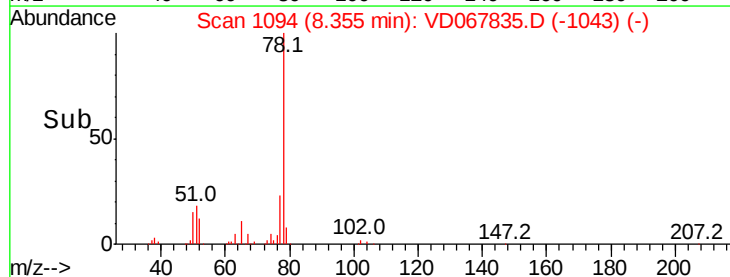
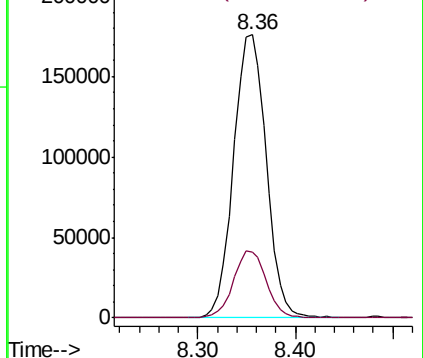


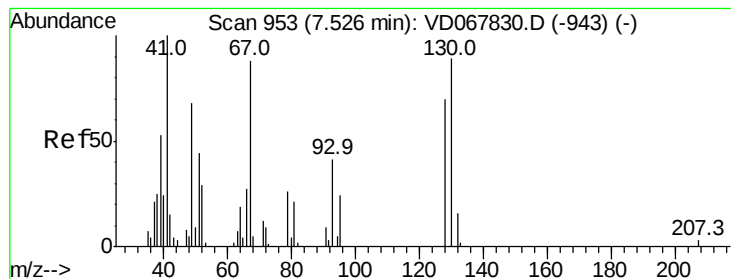
#40
Benzene
Concen: 48.758 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 78 Resp: 411814
Ion Ratio Lower Upper
78 100
77 23.3 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: 48.768 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 19310

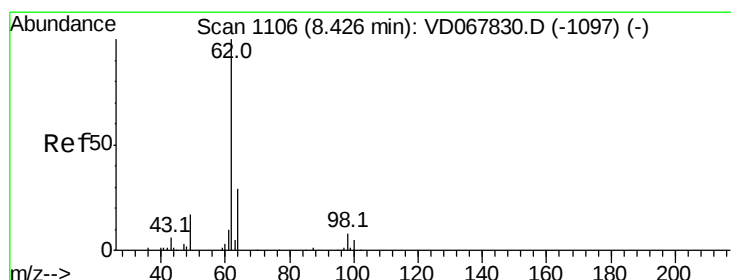
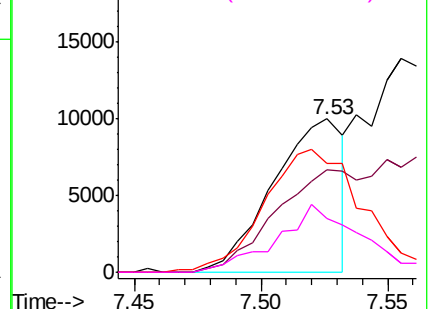
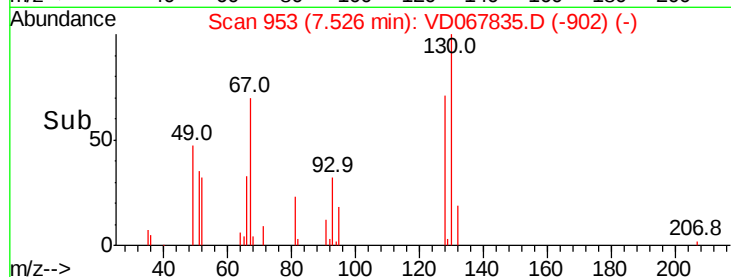
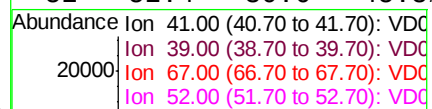
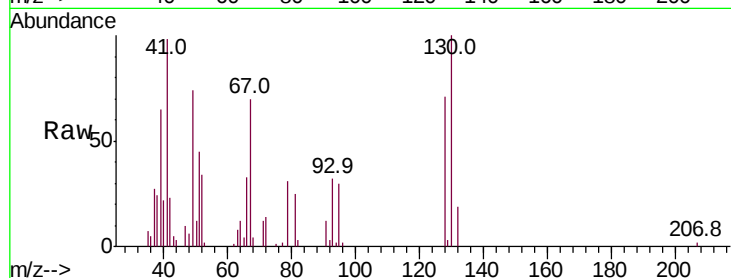
Ion Ratio Lower Upper

41 100

39 76.9 42.1 63.1#

67 111.0 82.4 123.6

52 52.4 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 48.138 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067835.D

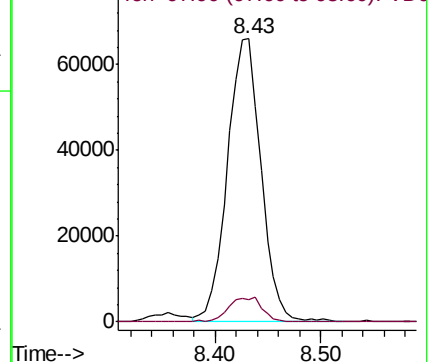
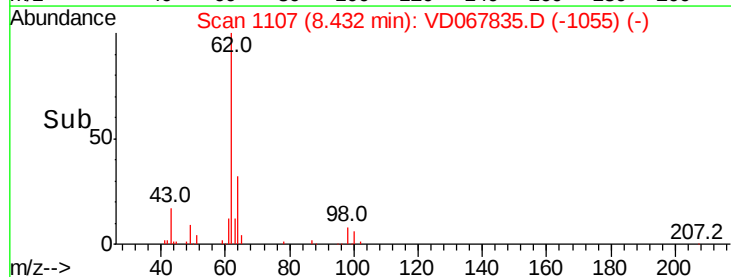
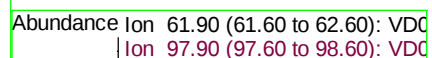
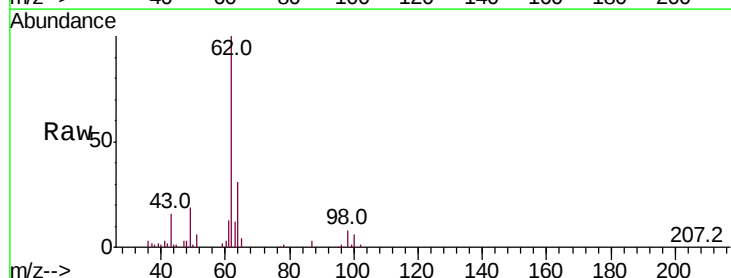
Acq: 02 Dec 2020 14:39

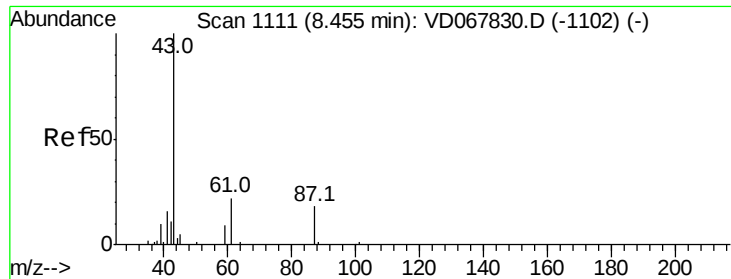
Tgt Ion: 62 Resp: 144907

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.2





#43

Isopropyl Acetate

Concen: 48.493 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

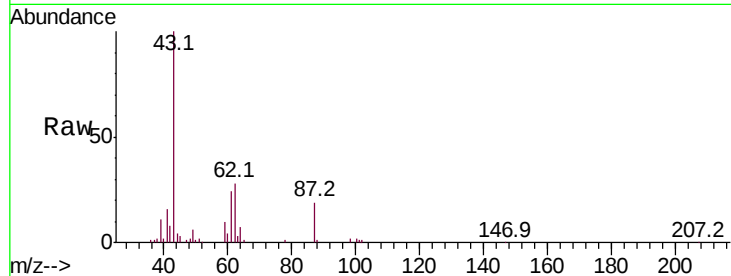
Tot Ion: 43 Resp: 79378

Ion Ratio Lower Upper

43 100

61 37.8 30.4 45.6

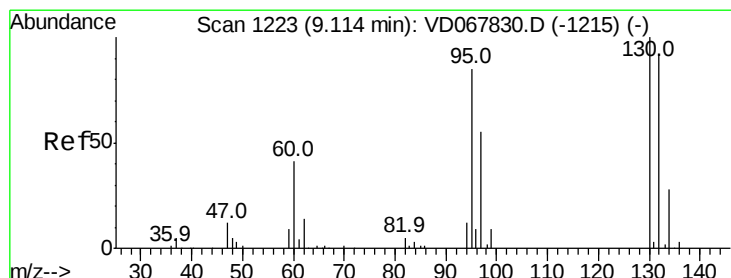
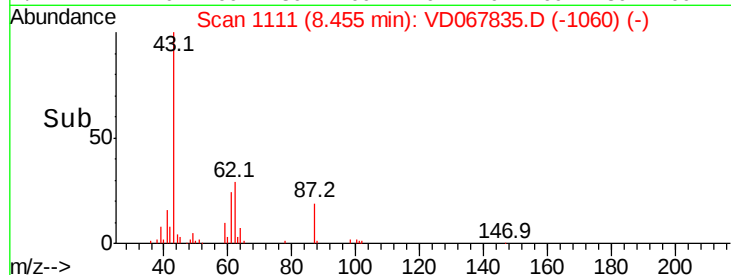
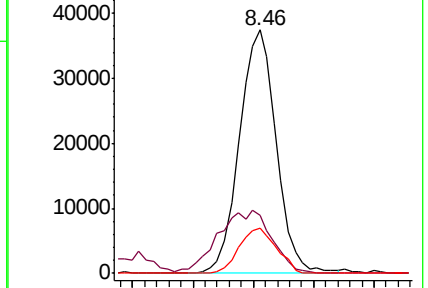
87 18.6 16.2 24.2



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: 48.709 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067835.D

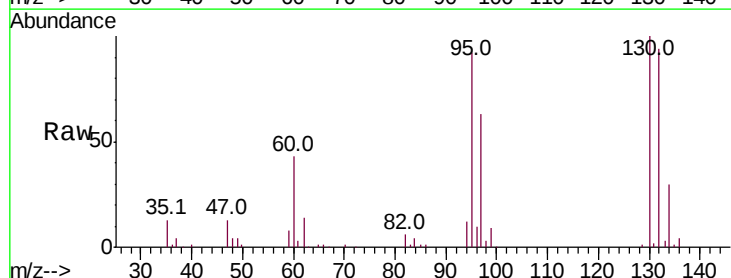
Acq: 02 Dec 2020 14:39

Tgt Ion:130 Resp: 141445

Ion Ratio Lower Upper

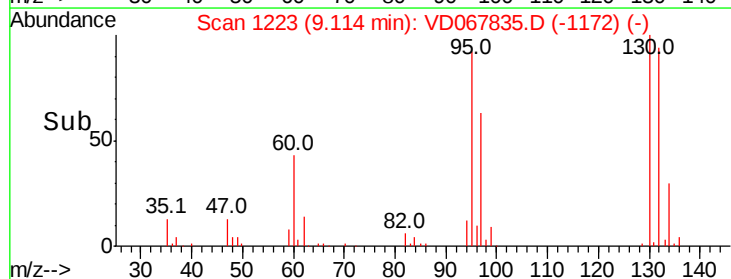
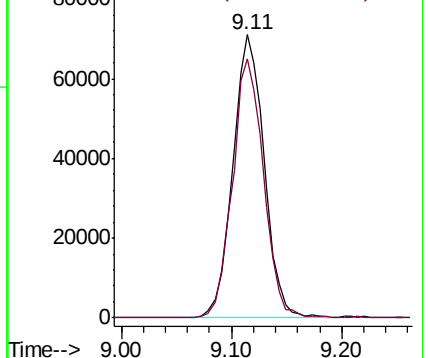
130 100

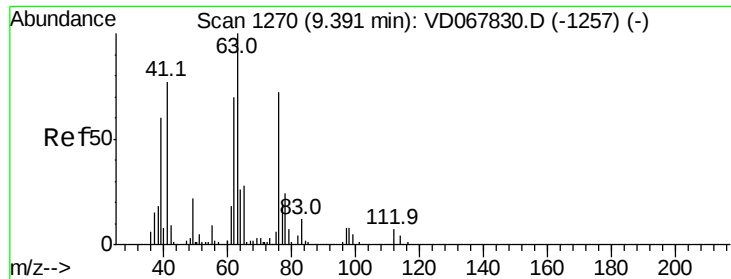
95 91.6 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.142 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

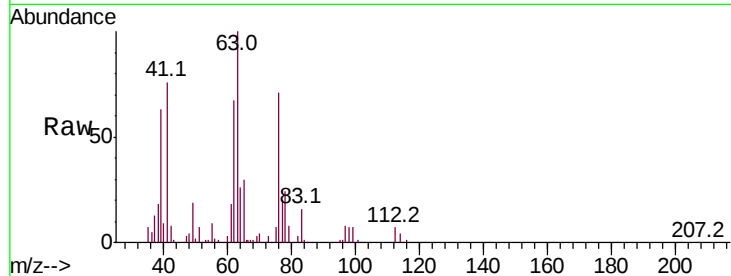
VSTDCCC050

Tot Ion: 63 Resp: 81722

Ion Ratio Lower Upper

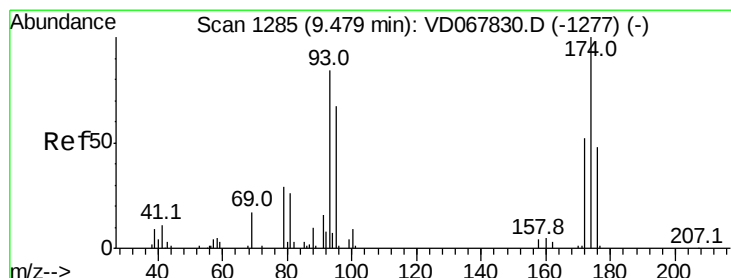
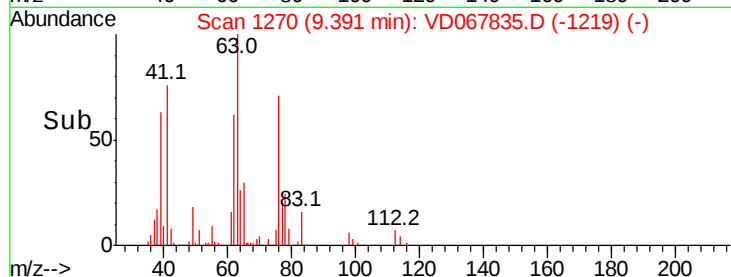
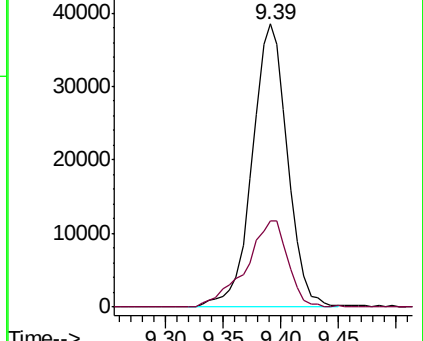
63 100

65 30.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.425 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

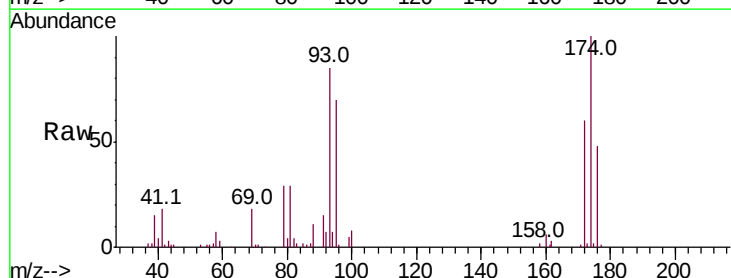
Tgt Ion: 93 Resp: 57160

Ion Ratio Lower Upper

93 100

95 81.7 64.2 96.4

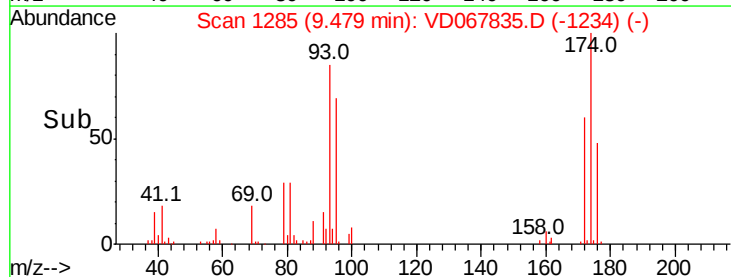
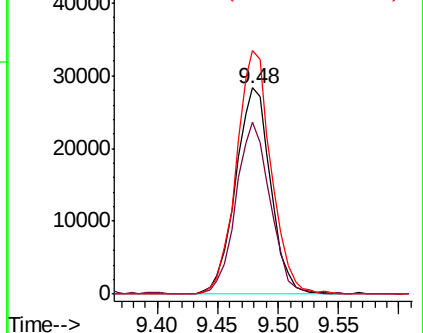
174 117.4 91.5 137.3

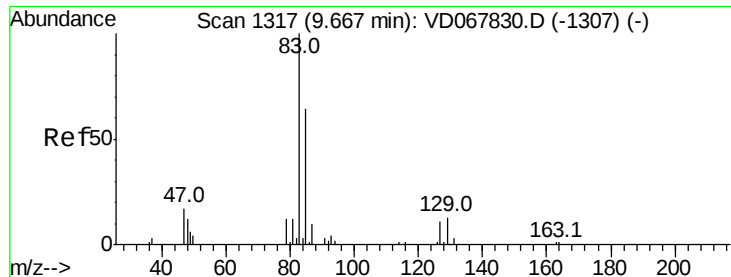


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.833 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

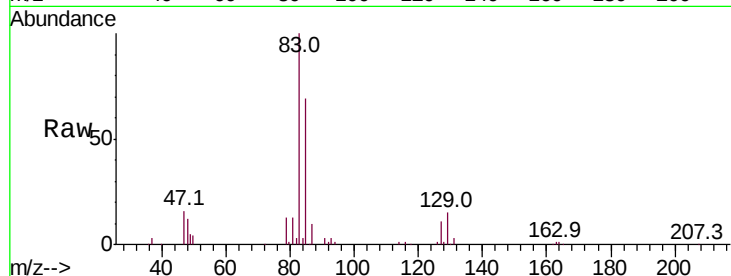
Tot Ion: 83 Resp: 164358

Ion Ratio Lower Upper

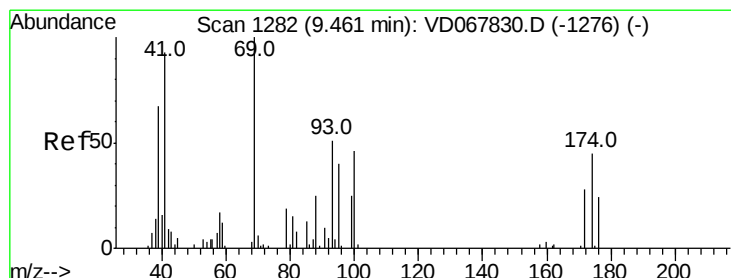
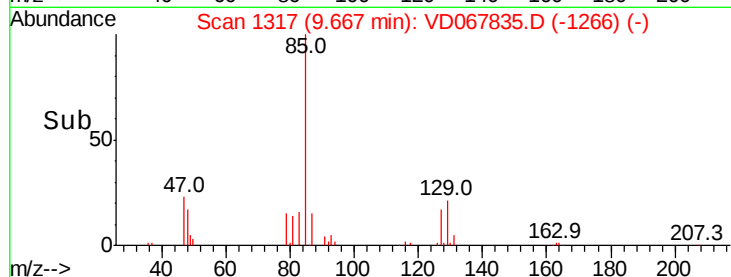
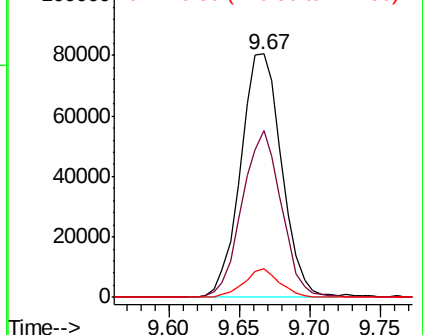
83 100

85 68.7 51.4 77.0

127 11.5 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: 53.337 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

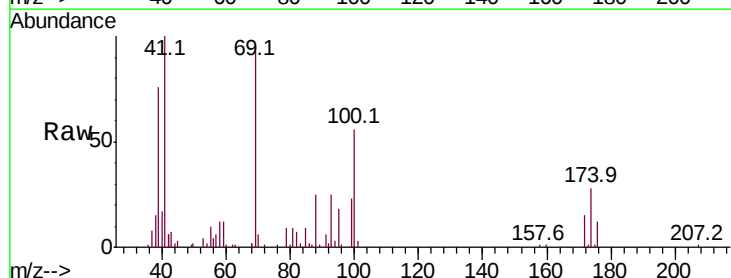
Tgt Ion: 41 Resp: 44333

Ion Ratio Lower Upper

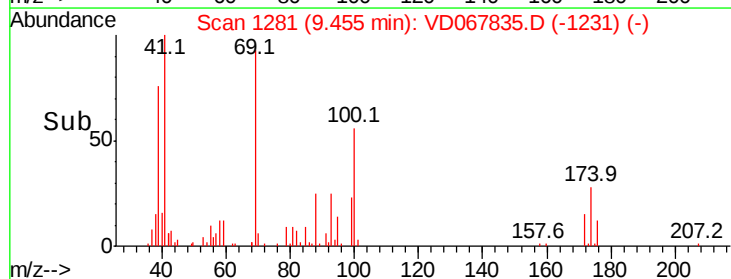
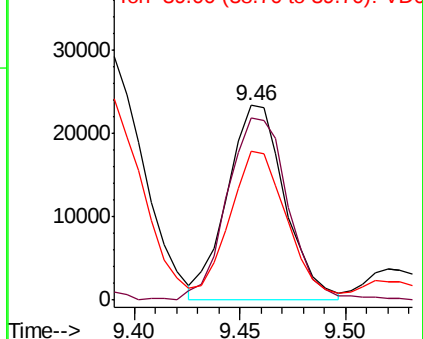
41 100

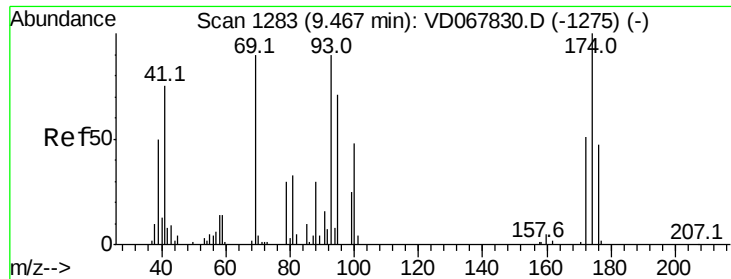
69 98.6 87.6 131.4

39 68.8 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

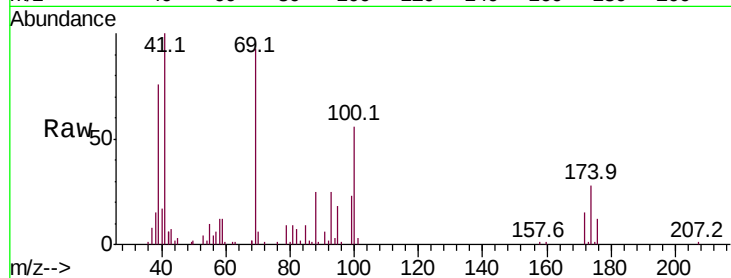




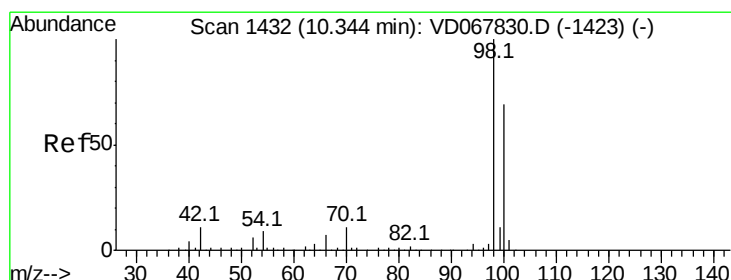
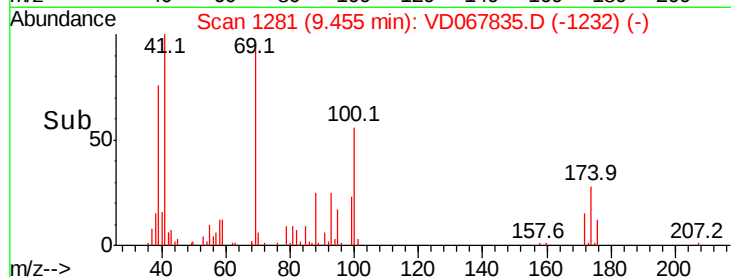
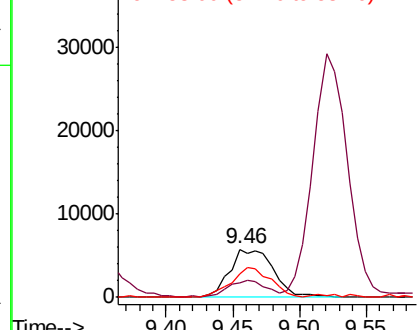
#49
1,4-Dioxane
Concen: 958.750 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 13204
Ion Ratio Lower Upper
88 100
43 31.2 30.1 45.1
58 55.5 42.4 63.6

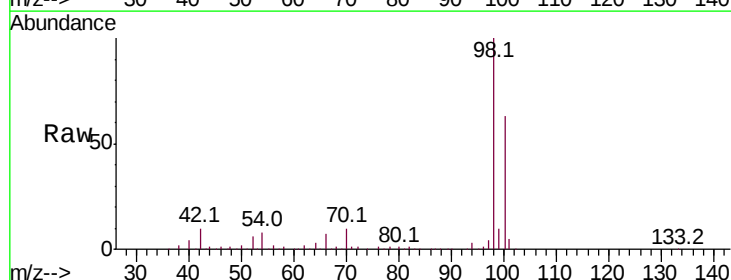


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

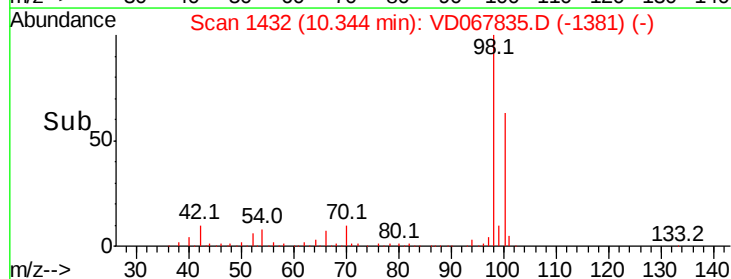
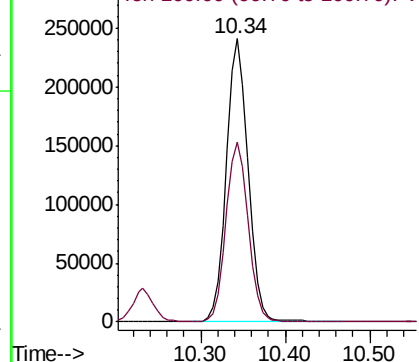


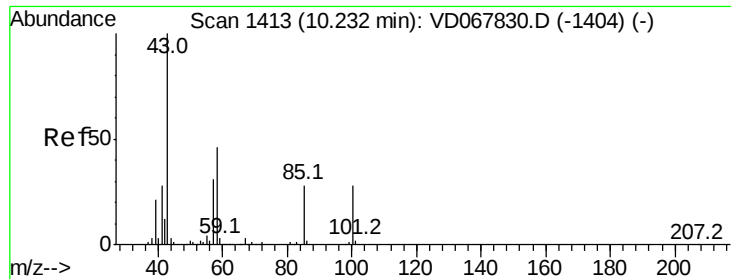
#50
Toluene-d8
Concen: 50.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 98 Resp: 429523
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



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

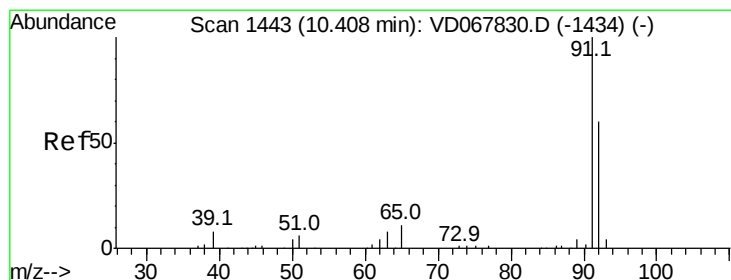
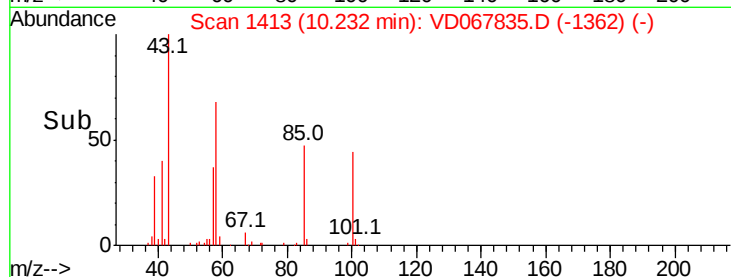
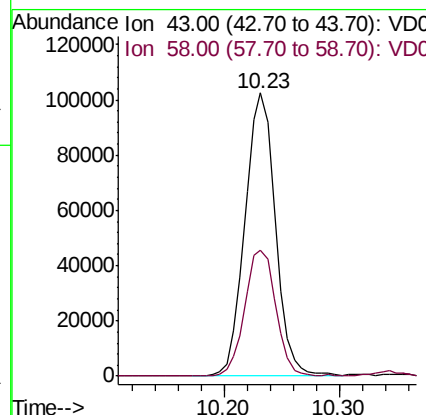
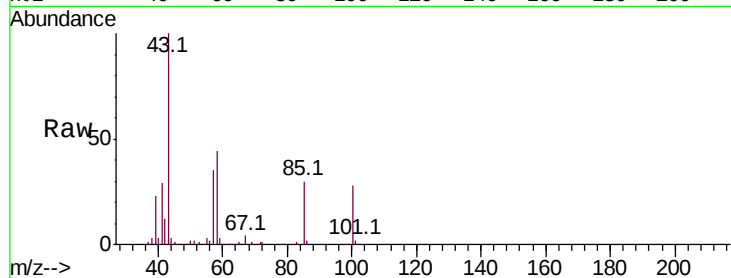




#51
 4-Methyl-2-Pentanone
 Concen: 242.446 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

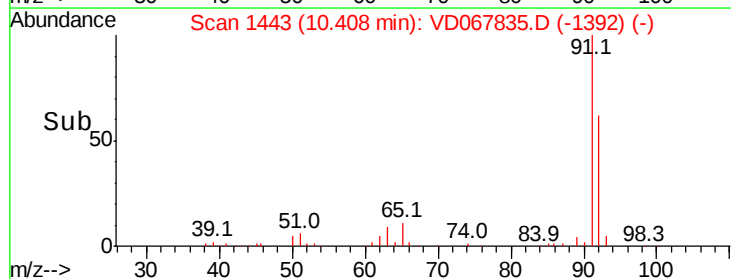
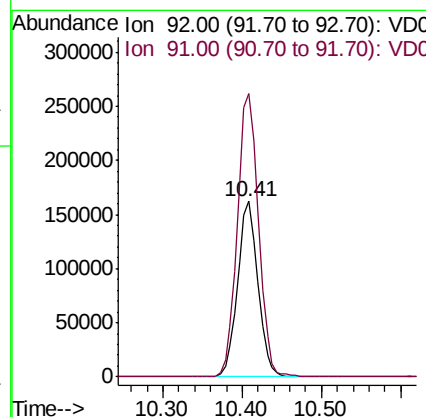
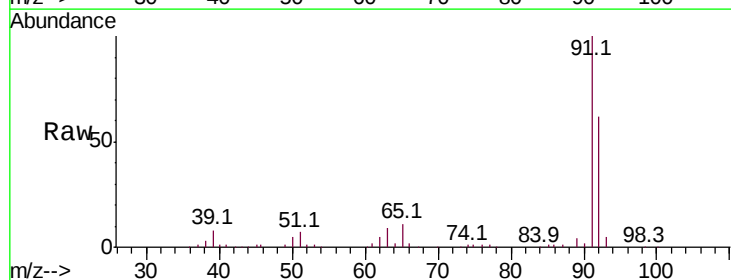
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

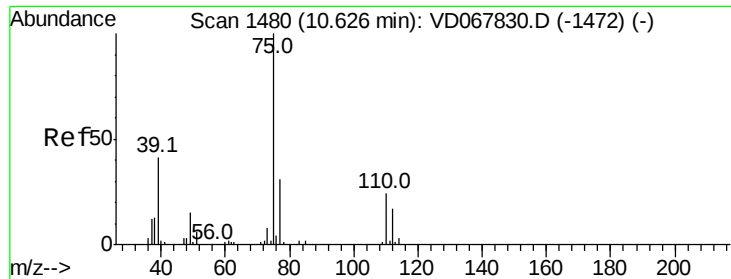
Tot Ion: 43 Resp: 187828
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.7 53.5



#52
 Toluene
 Concen: 48.842 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 92 Resp: 288418
 Ion Ratio Lower Upper
 92 100
 91 168.3 134.2 201.2

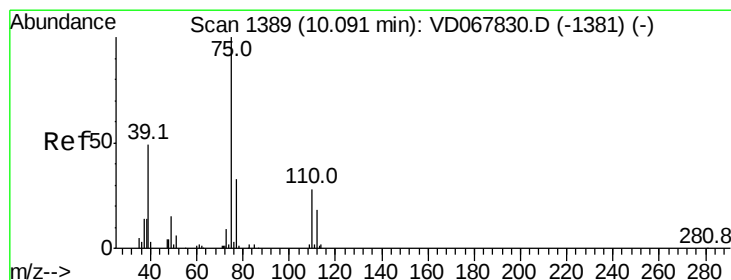
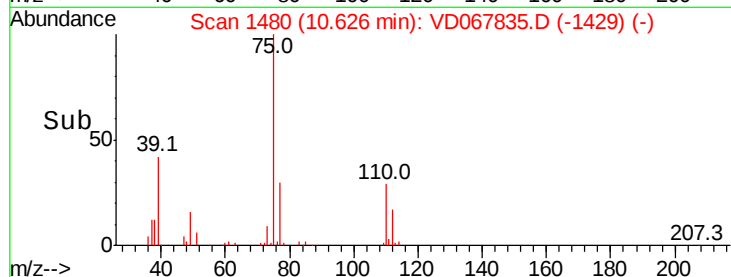
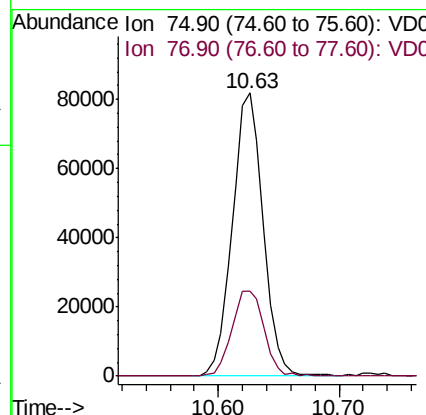
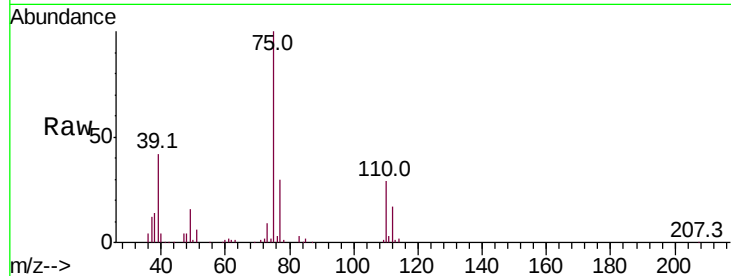




#53
t-1,3-Dichloropropene
Concen: 48.917 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

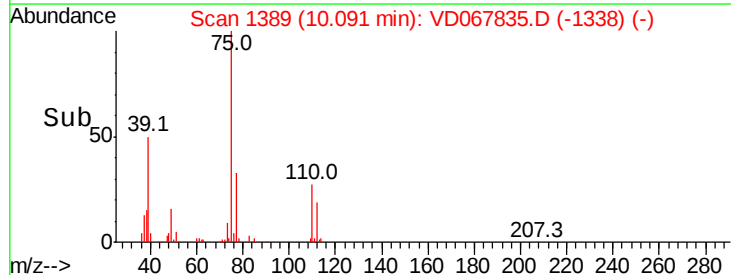
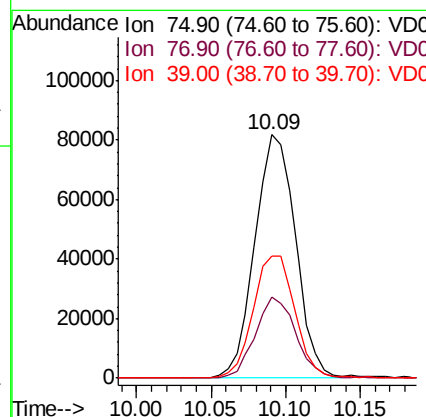
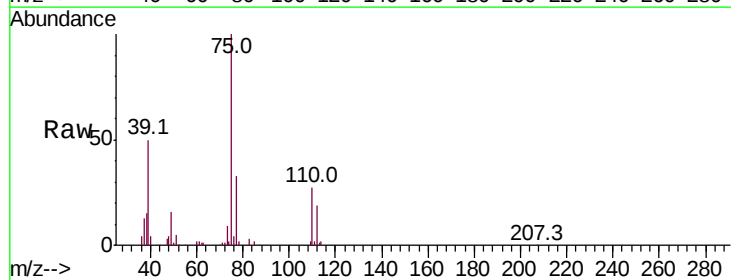
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

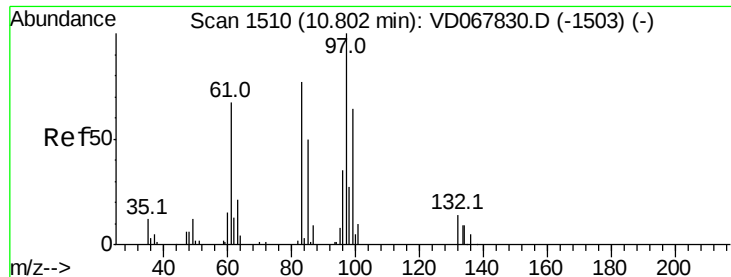
Tot Ion: 75 Resp: 145074
Ion Ratio Lower Upper
75 100
77 29.9 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 47.834 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 75 Resp: 154308
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
39 49.8 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 45.611 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 75233

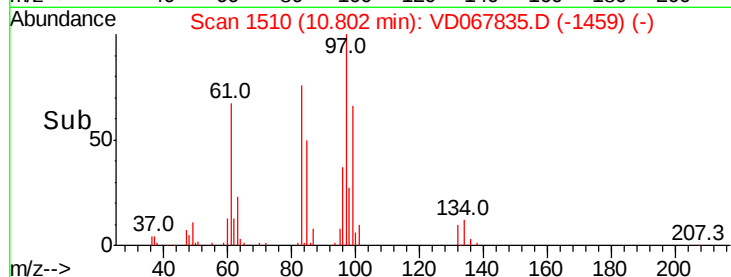
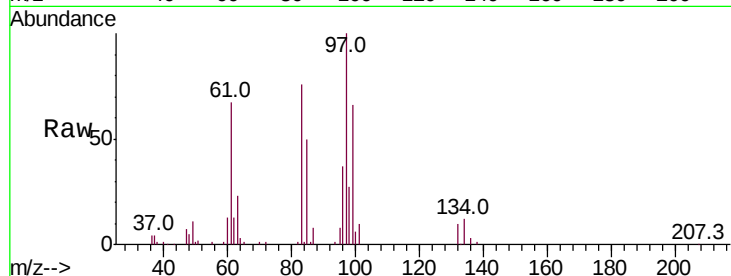
Ion	Ratio	Lower	Upper
97	100		
83	76.0	61.9	92.9
85	50.3	40.2	60.4
99	66.3	51.0	76.6

97 100

83 76.0 61.9 92.9

85 50.3 40.2 60.4

99 66.3 51.0 76.6



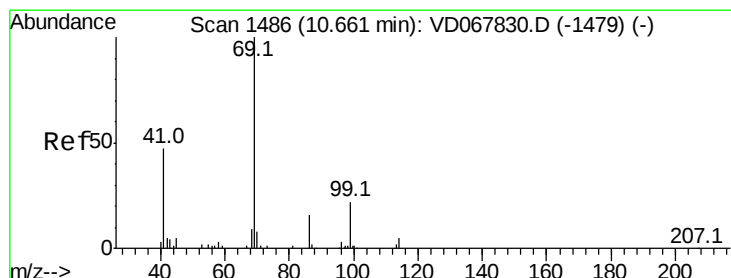
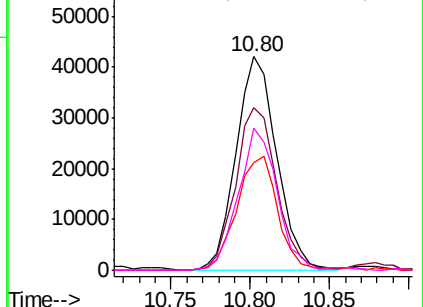
Abundance

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: 48.004 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

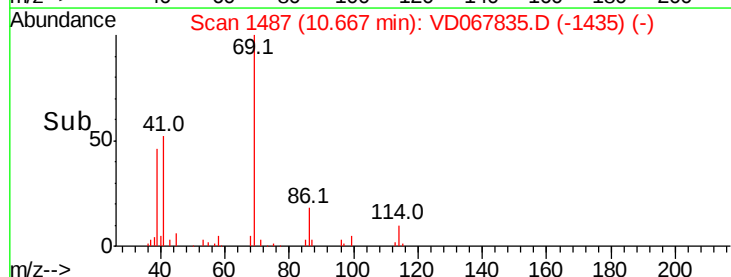
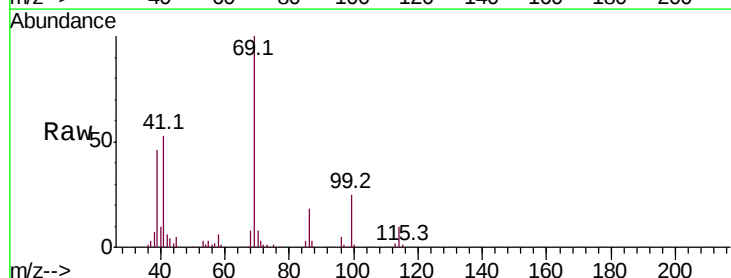
Tgt Ion: 69 Resp: 80560

Ion	Ratio	Lower	Upper
69	100		
41	55.2	42.8	64.2
39	38.5	30.5	45.7

69 100

41 55.2 42.8 64.2

39 38.5 30.5 45.7

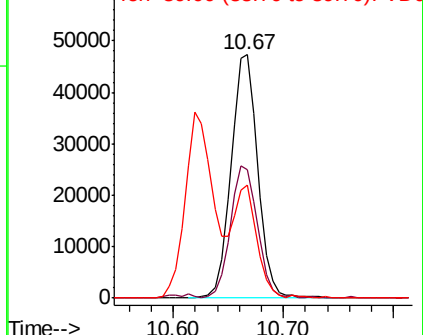


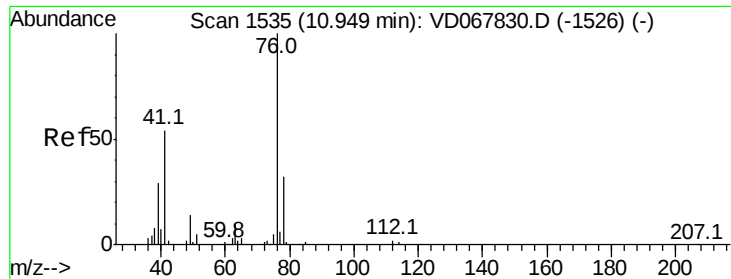
Abundance

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: 46.928 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

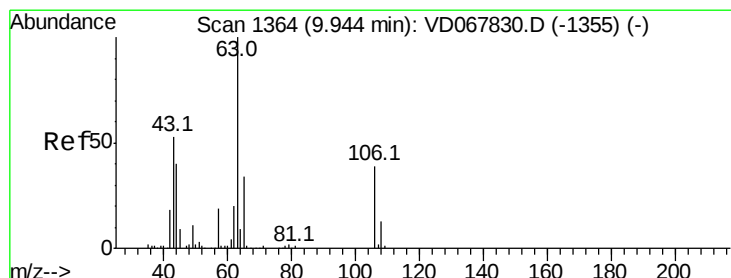
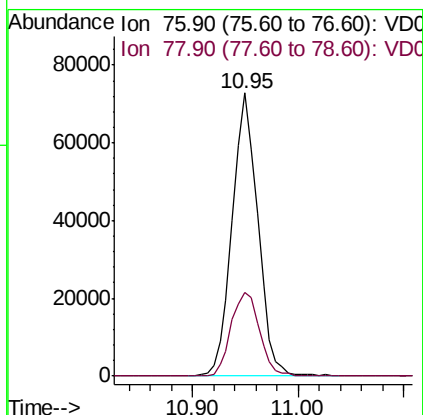
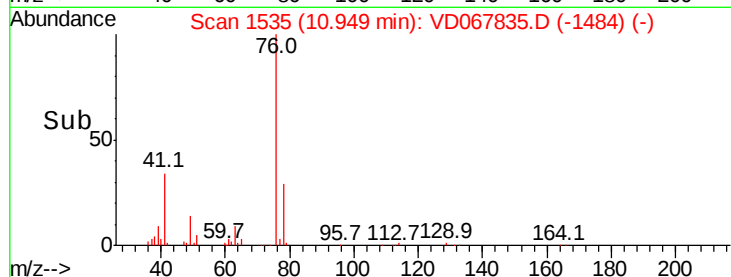
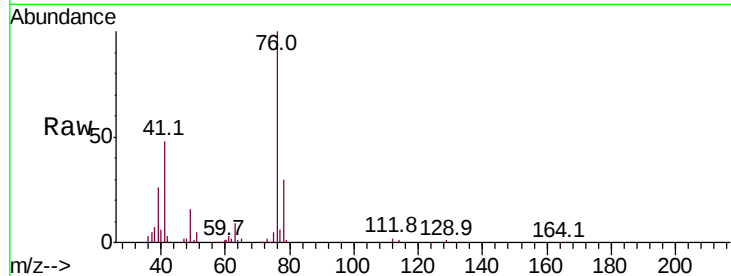
VSTDCCC050

Tot Ion: 76 Resp: 122612

Ion Ratio Lower Upper

76 100

78 32.6 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 259.295 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067835.D

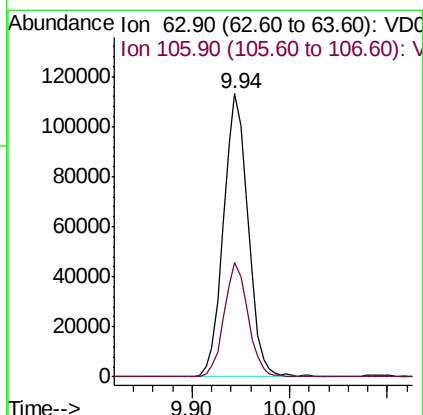
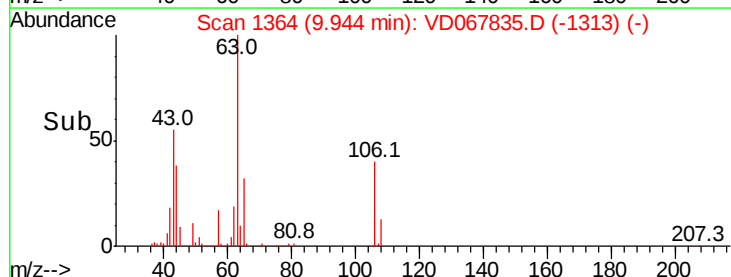
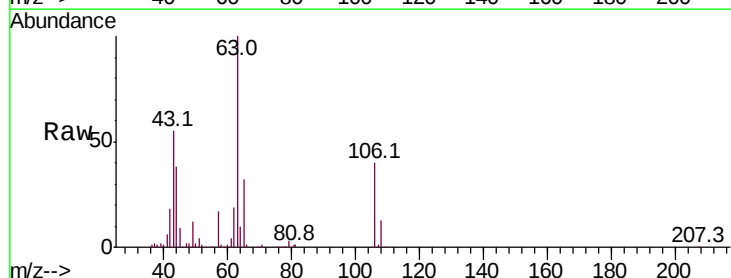
Acq: 02 Dec 2020 14:39

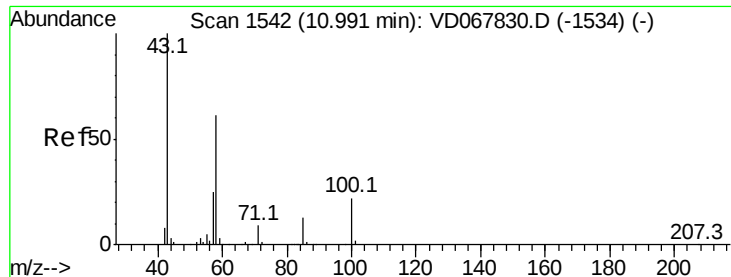
Tgt Ion: 63 Resp: 198009

Ion Ratio Lower Upper

63 100

106 39.2 32.0 48.0

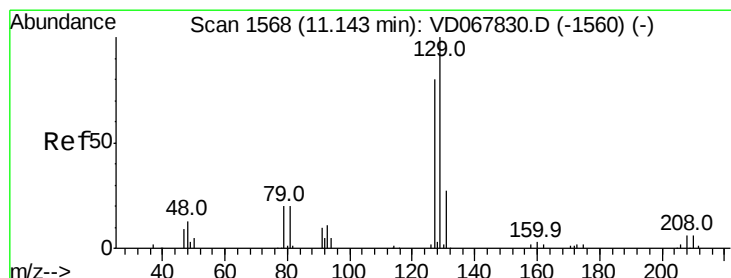
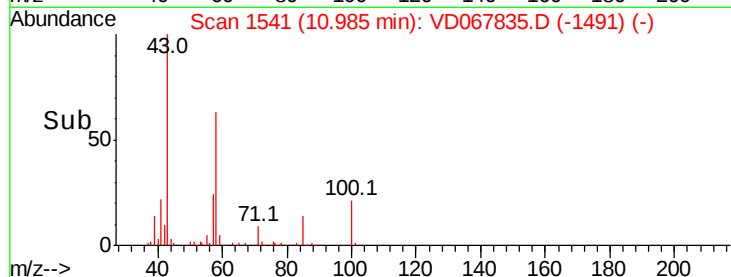
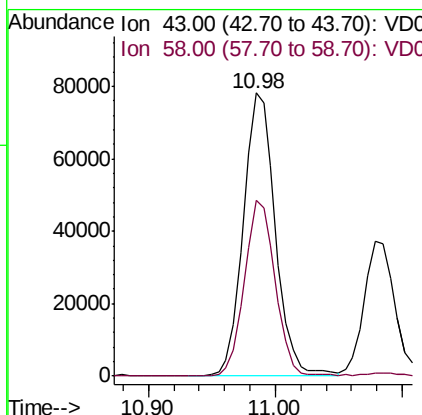
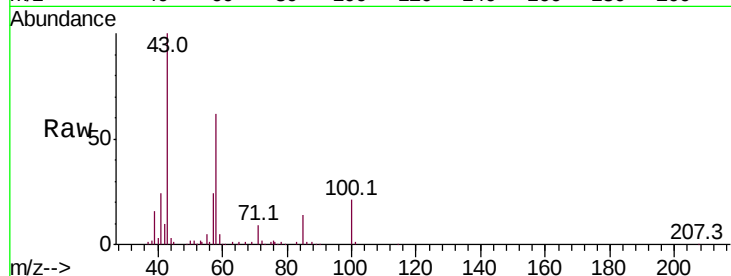




#59
2-Hexanone
Concen: 251.635 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

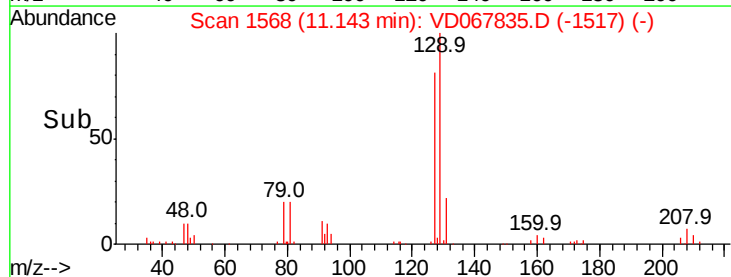
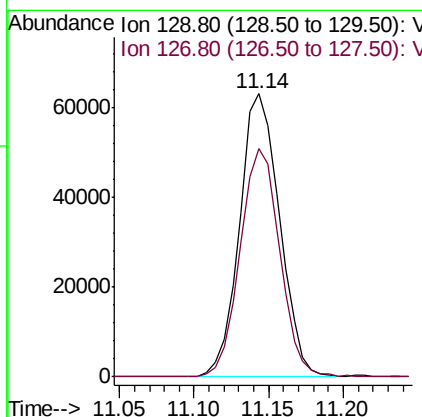
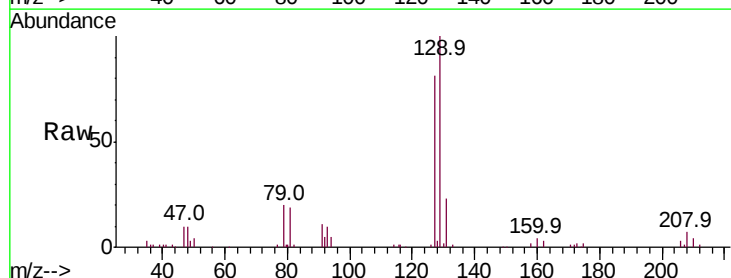
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

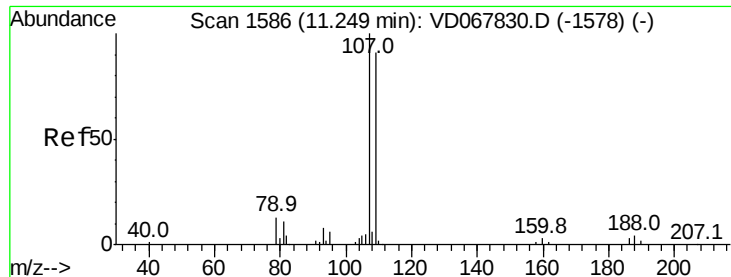
Tot Ion: 43 Resp: 137427
Ion Ratio Lower Upper
43 100
58 59.2 29.9 89.7



#60
Dibromochloromethane
Concen: 47.259 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 129 Resp: 117505
Ion Ratio Lower Upper
129 100
127 79.8 39.2 117.6

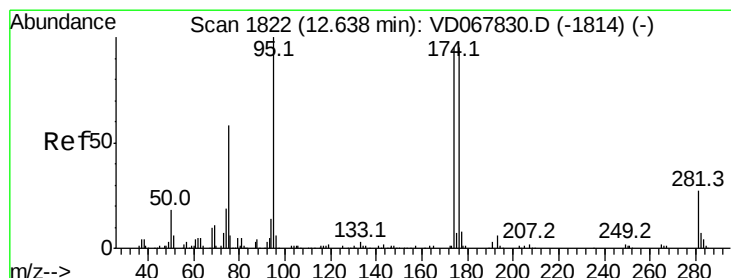
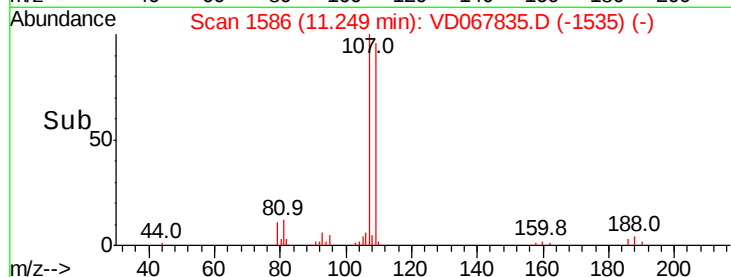
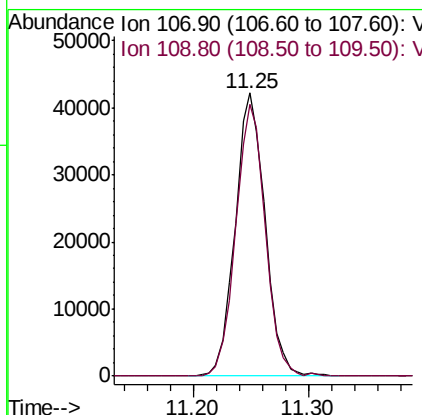
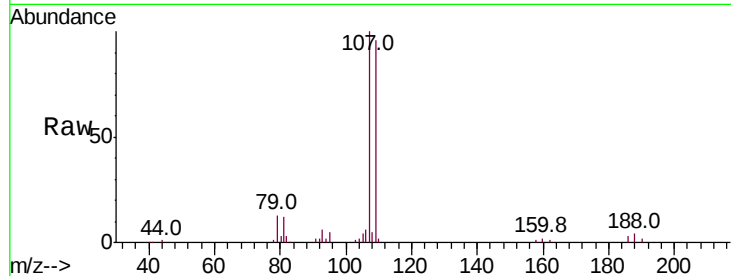




#61
 1,2-Dibromoethane
 Concen: 46.607 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

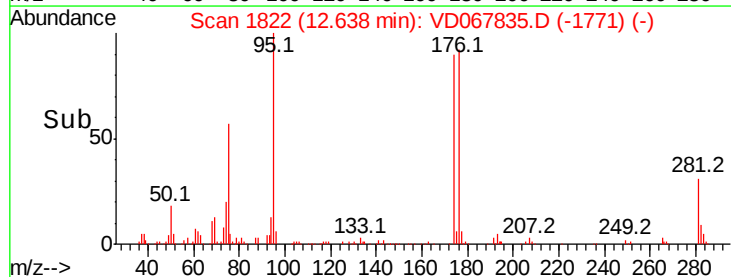
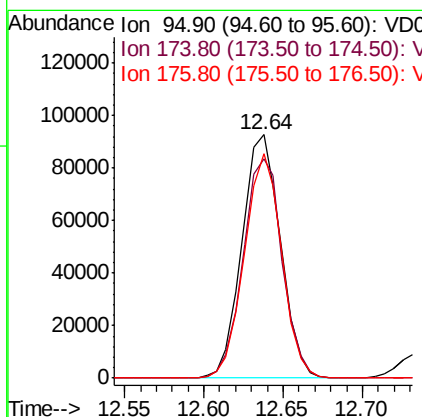
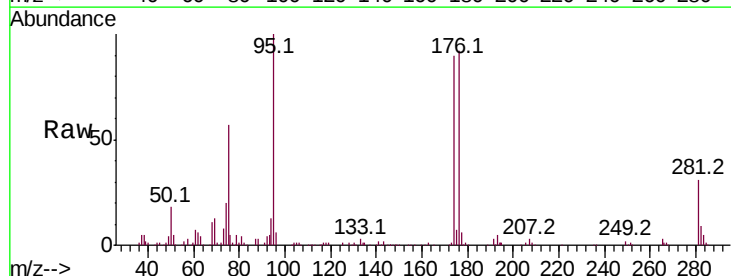
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

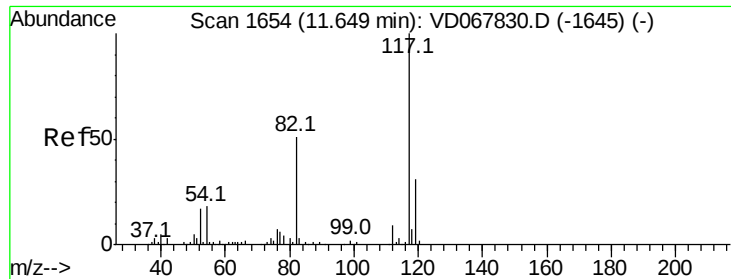
Tot Ion:107 Resp: 75598
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 52.742 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion: 95 Resp: 156611
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 186.0
 176 89.1 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

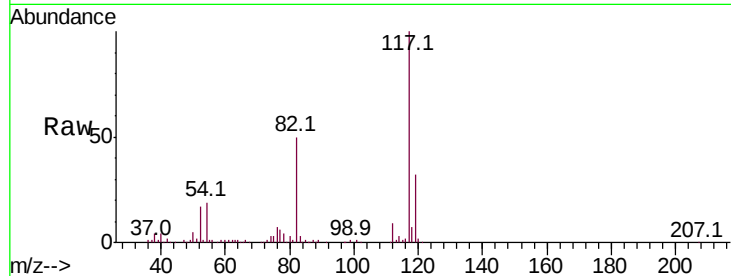
Tot Ion:117 Resp: 326086

Ion Ratio Lower Upper

117 100

82 50.3 40.6 60.8

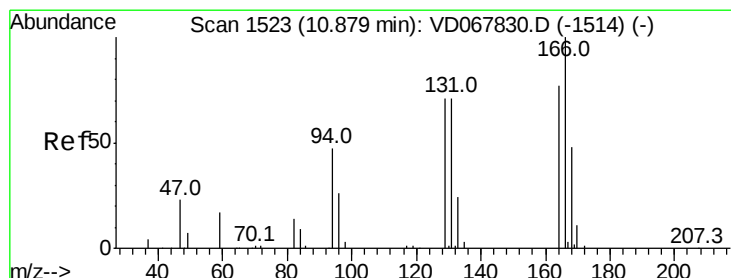
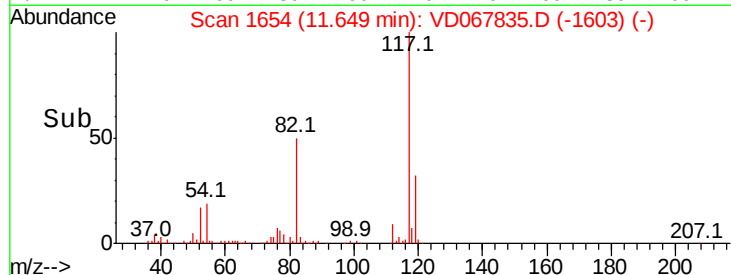
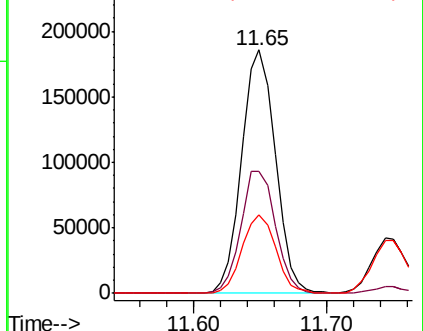
119 32.4 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.218 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:164 Resp: 125592

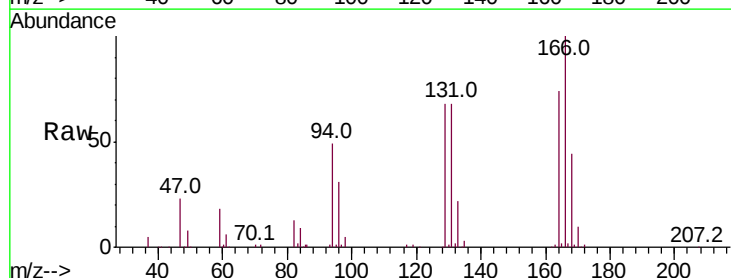
Ion Ratio Lower Upper

164 100

166 134.4 103.8 155.6

129 91.0 73.3 109.9

131 91.3 74.1 111.1

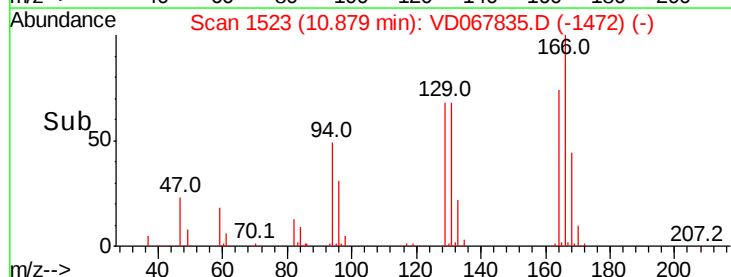
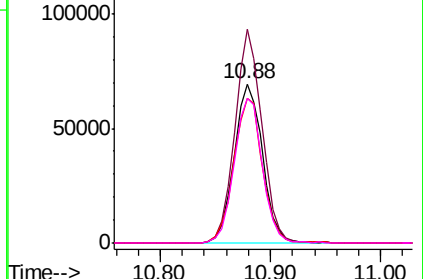


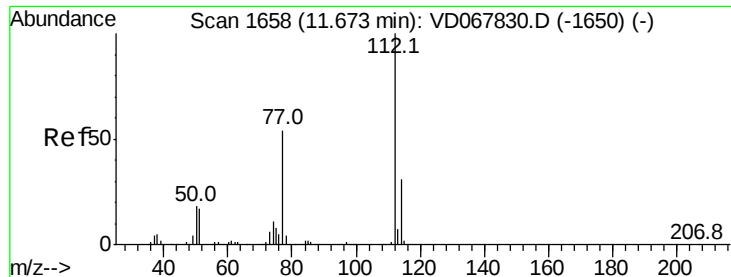
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

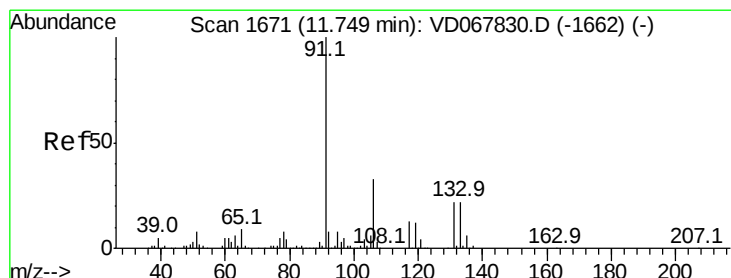
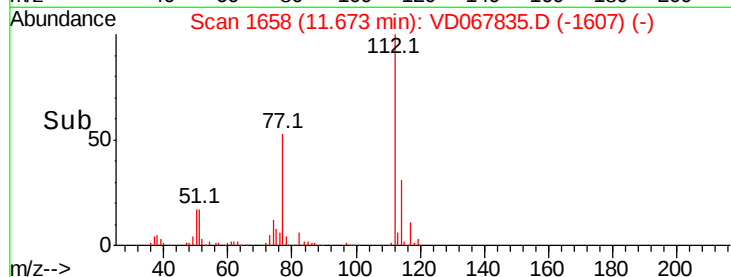
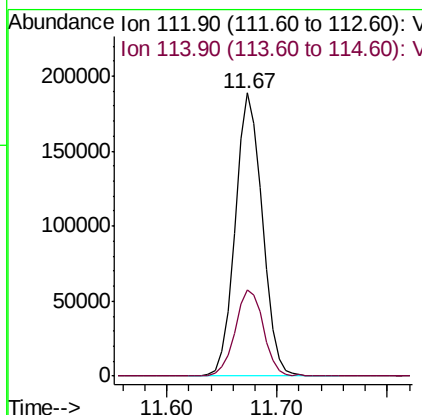
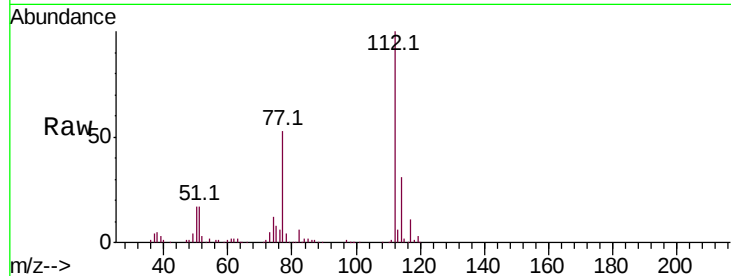




#65
Chlorobenzene
Concen: 48.453 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

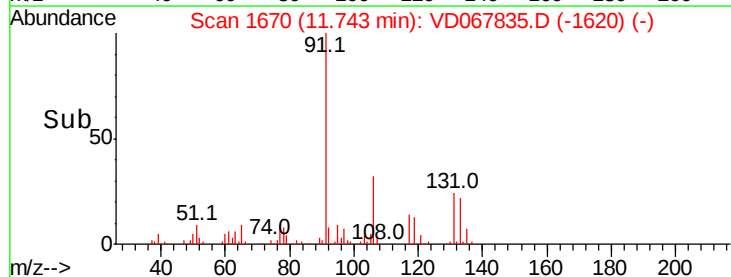
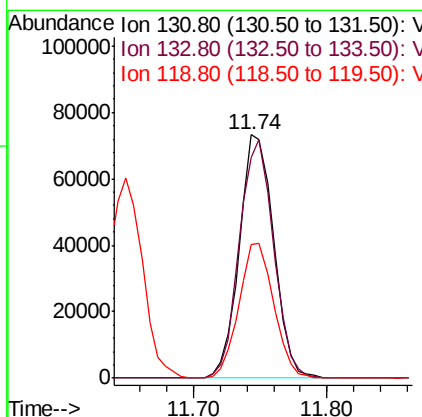
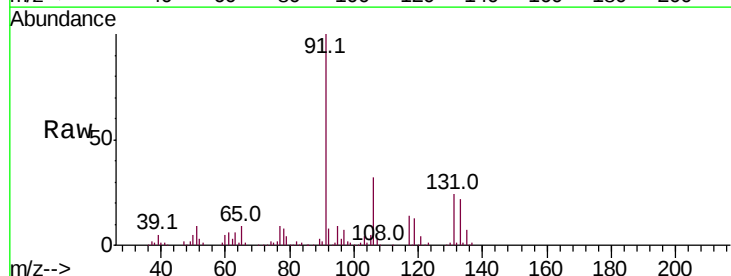
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

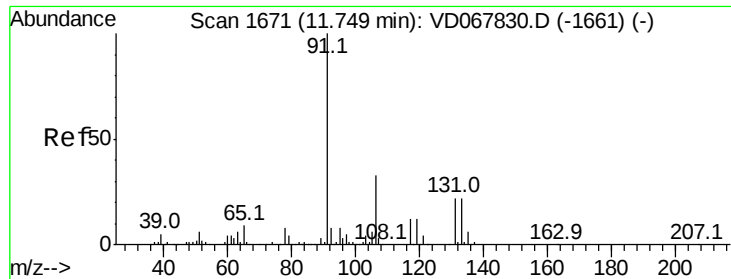
Tot Ion:112 Resp: 326013
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.666 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:131 Resp: 130808
Ion Ratio Lower Upper
131 100
133 97.4 49.9 149.7
119 56.1 29.6 88.9





#67

Ethyl Benzene

Concen: 49.931 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

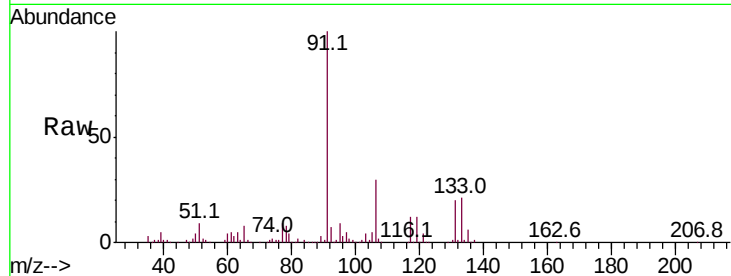
VSTDCCC050

Tot Ion: 91 Resp: 572306

Ion Ratio Lower Upper

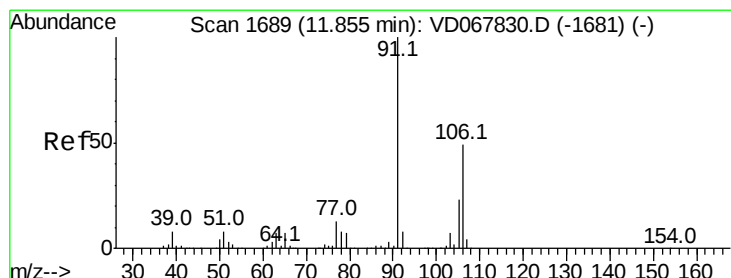
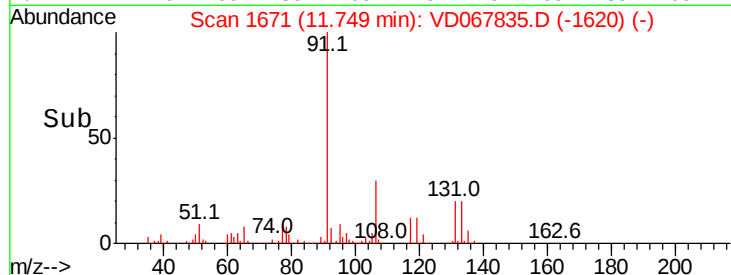
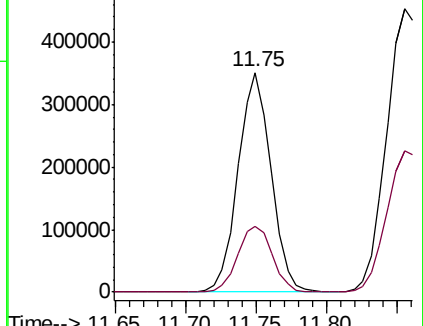
91 100

106 30.1 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: 98.775 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067835.D

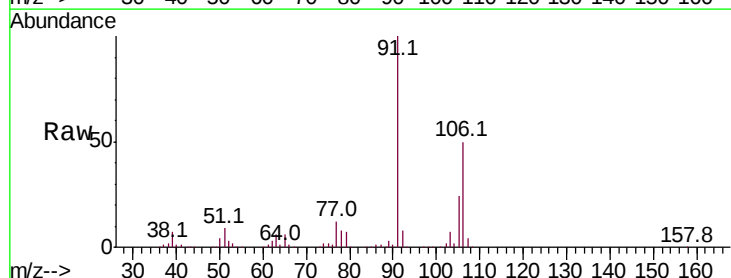
Acq: 02 Dec 2020 14:39

Tgt Ion: 106 Resp: 446413

Ion Ratio Lower Upper

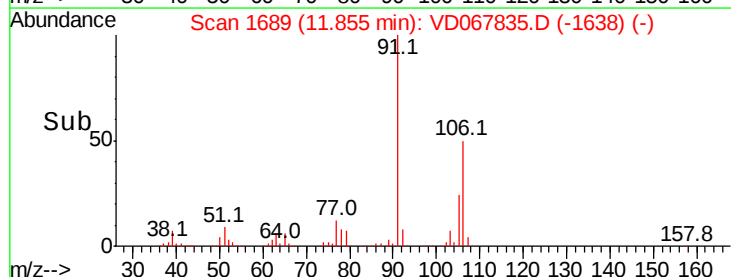
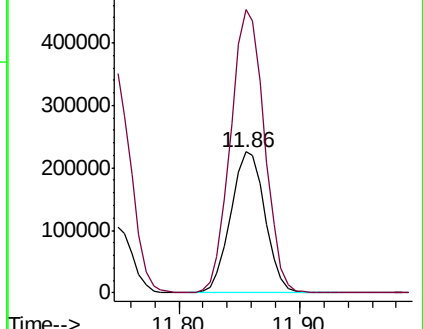
106 100

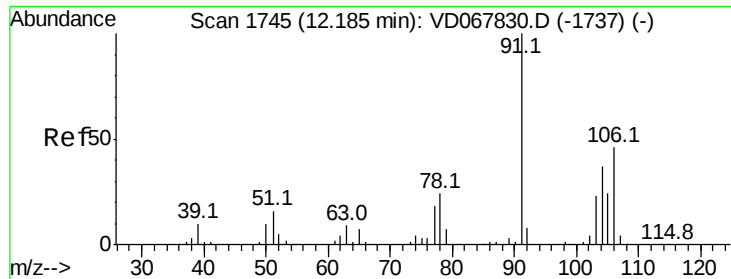
91 197.9 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

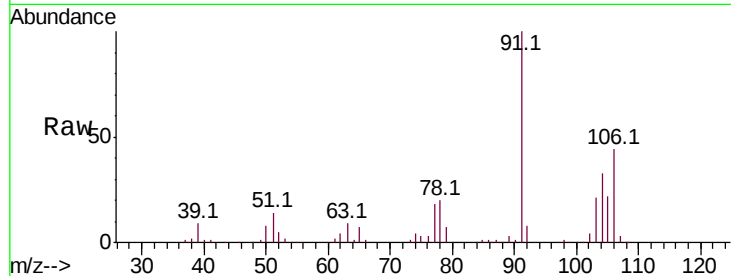




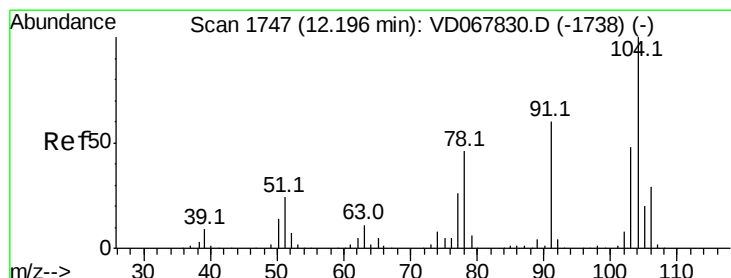
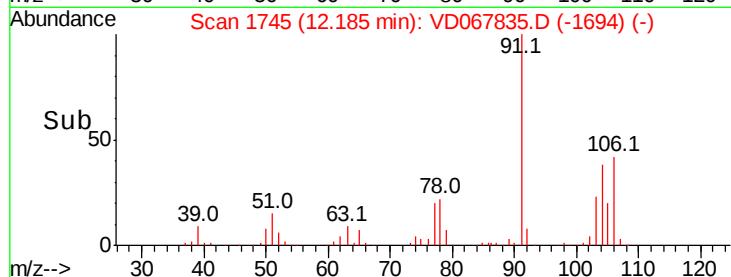
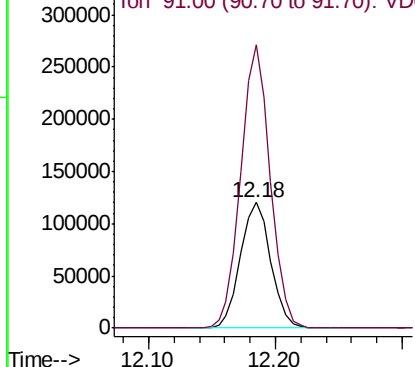
#69
o-Xylene
Concen: 49.875 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 200113
Ion Ratio Lower Upper
106 100
91 217.6 107.5 322.5

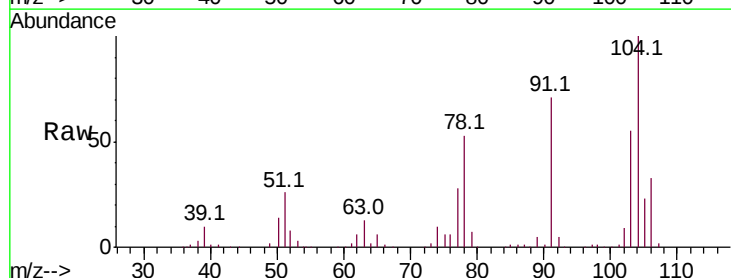


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

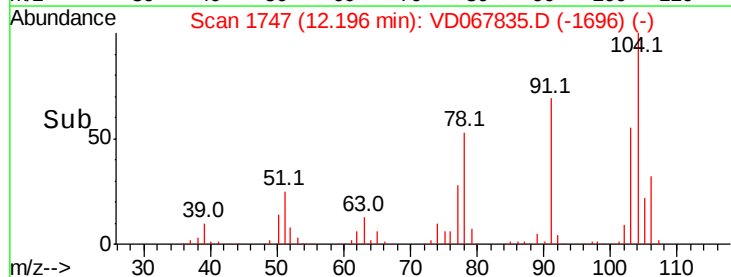
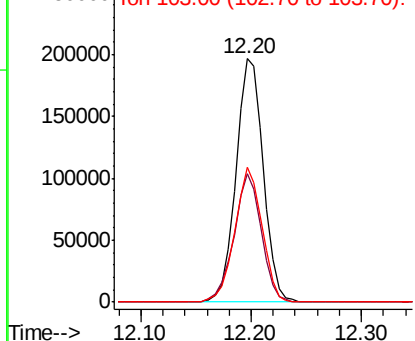


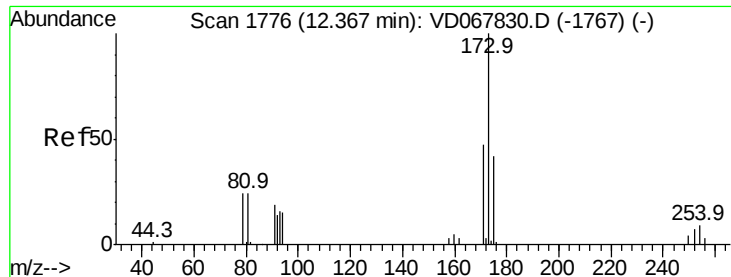
#70
Styrene
Concen: 48.689 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:104 Resp: 339693
Ion Ratio Lower Upper
104 100
78 53.1 41.6 62.4
103 55.7 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V

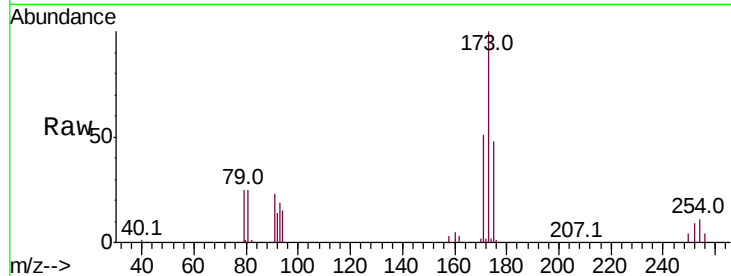




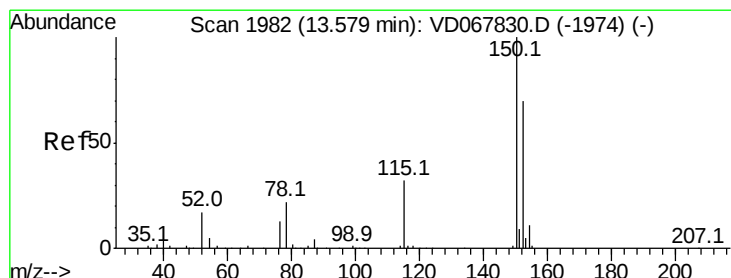
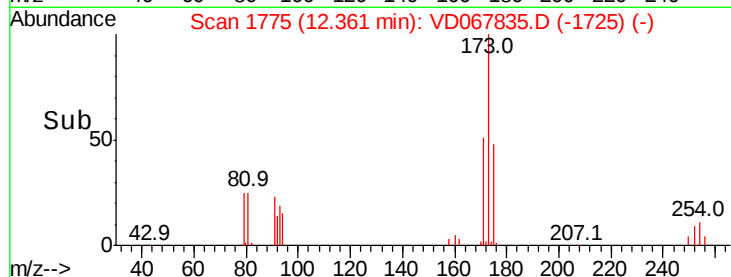
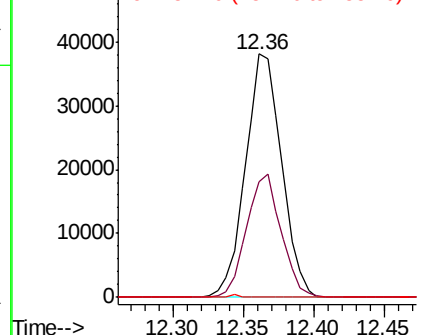
#71
Bromoform
Concen: 47.150 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 68493
Ion Ratio Lower Upper
173 100
175 48.4 23.4 70.3
254 0.0 0.1 0.1#

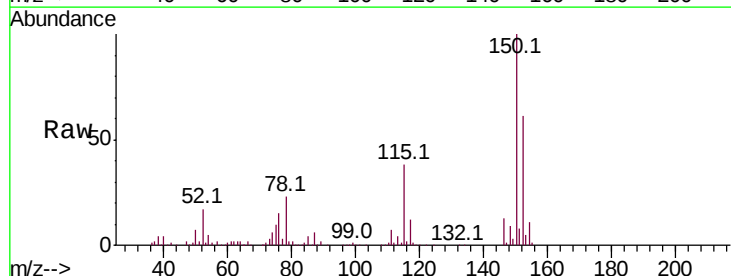


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

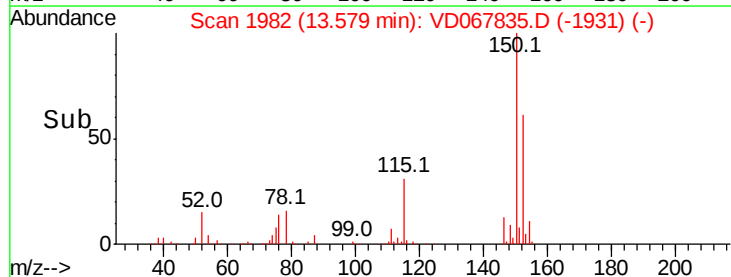
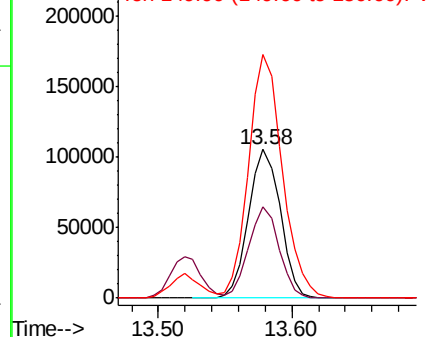


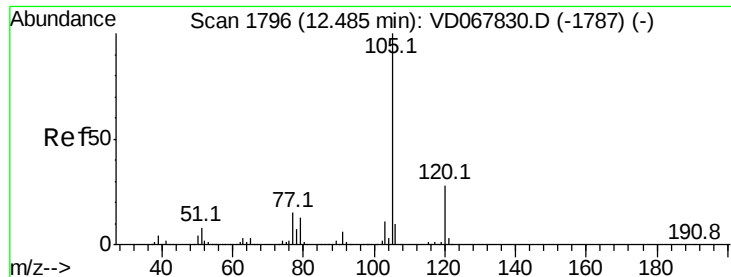
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:152 Resp: 173921
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.4
150 173.2 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: 49.140 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

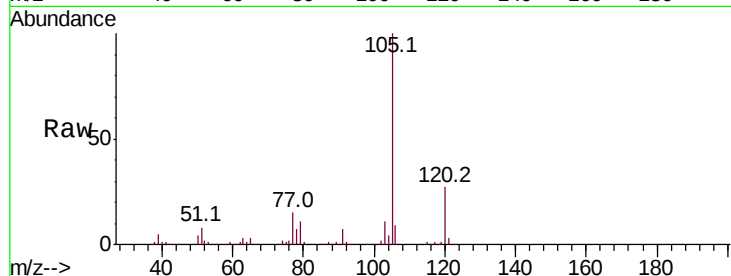
VSTDCCC050

Tot Ion:105 Resp: 587735

Ion Ratio Lower Upper

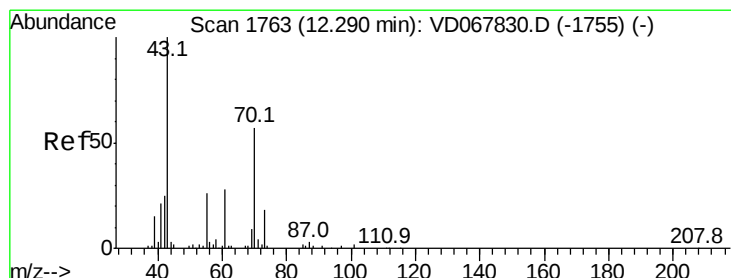
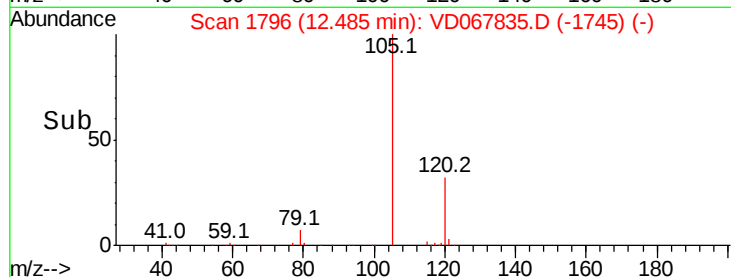
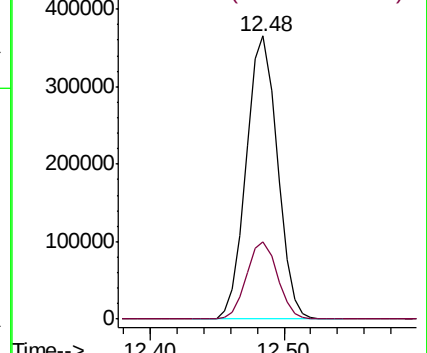
105 100

120 27.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.980 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion: 43 Resp: 70984

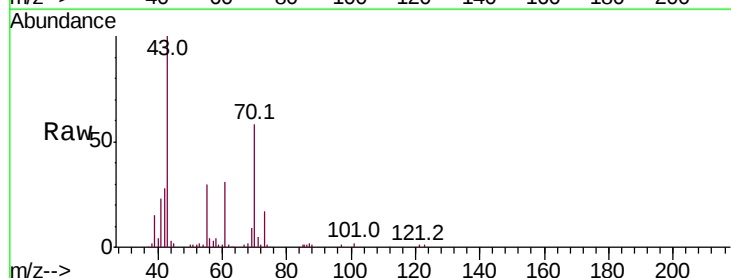
Ion Ratio Lower Upper

43 100

70 52.3 44.6 66.8

55 29.2 22.2 33.2

61 27.2 22.7 34.1

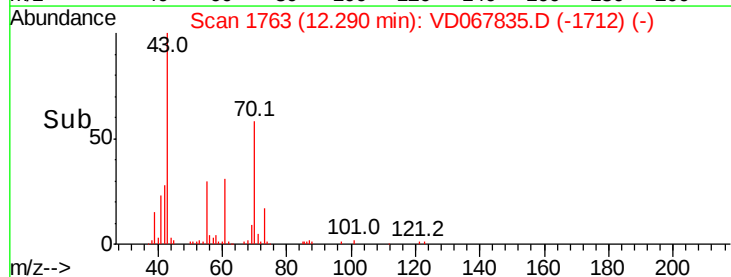
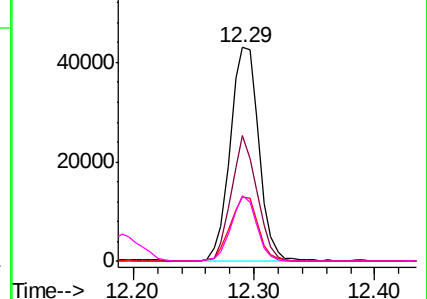


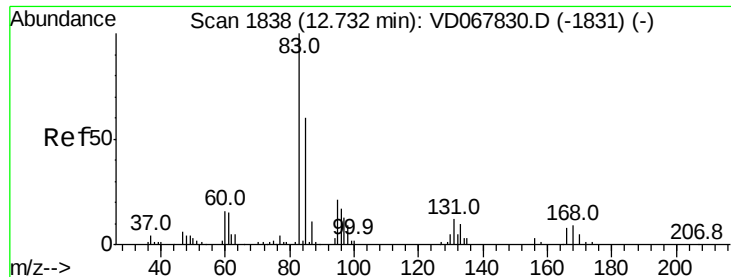
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.138 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

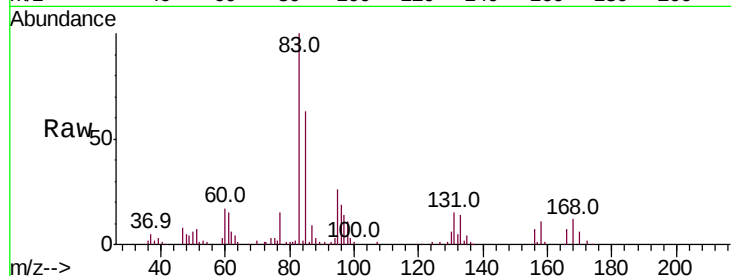
Tot Ion: 83 Resp: 69698

Ion Ratio Lower Upper

83 100

131 15.9 8.0 24.0

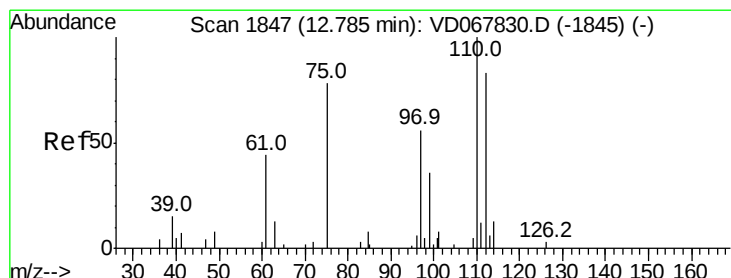
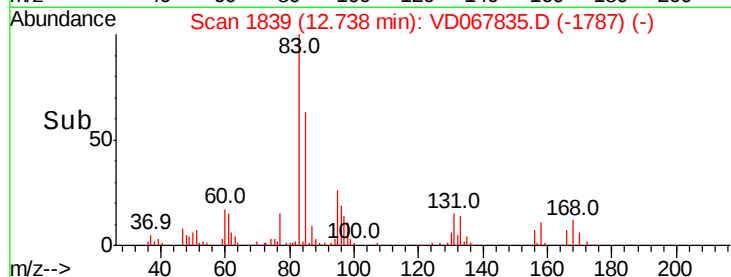
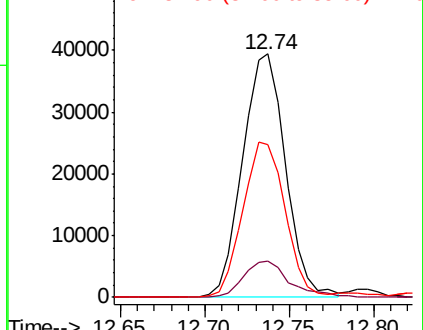
85 62.8 31.7 95.1



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: 81.465 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067835.D

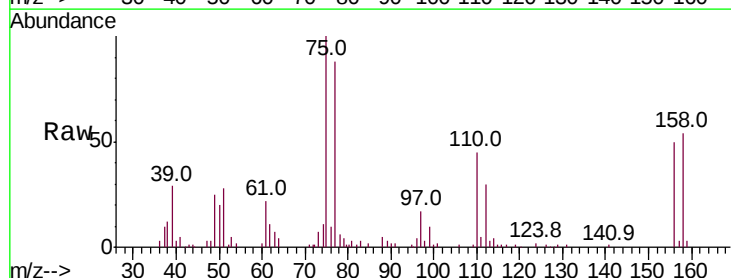
Acq: 02 Dec 2020 14:39

Tgt Ion: 75 Resp: 103179

Ion Ratio Lower Upper

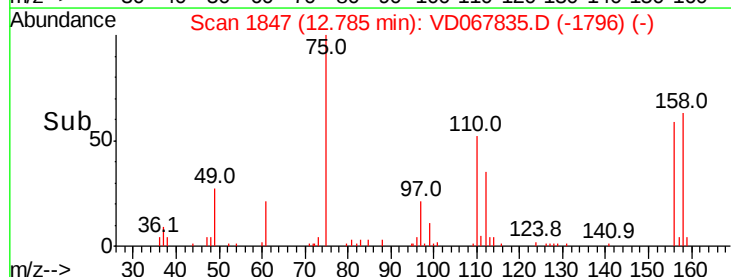
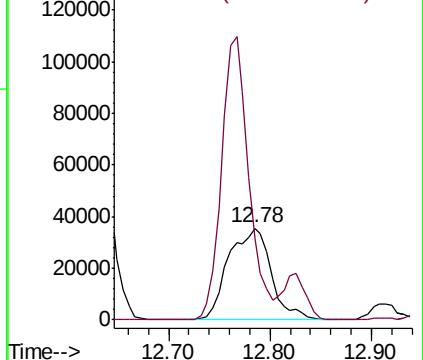
75 100

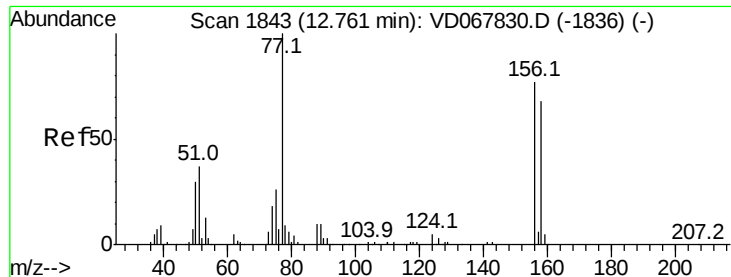
77 197.9 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

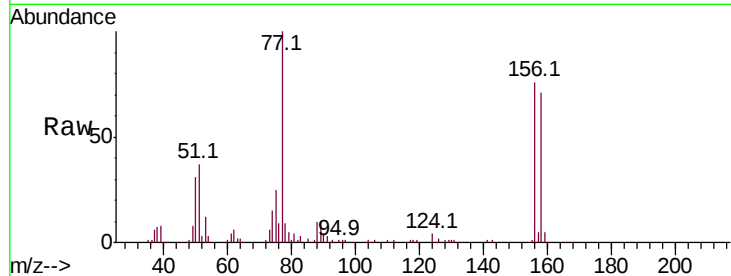




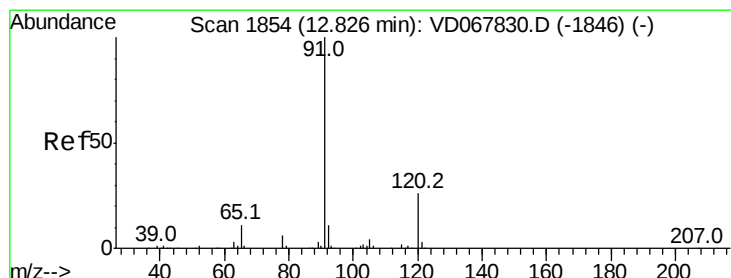
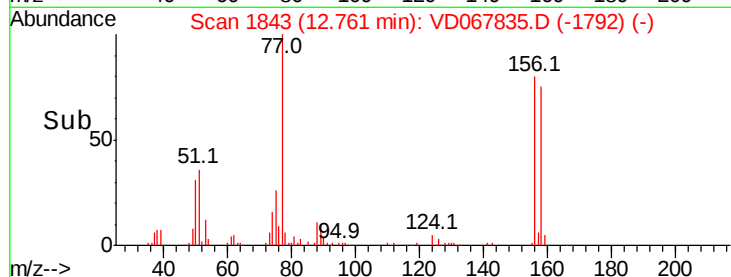
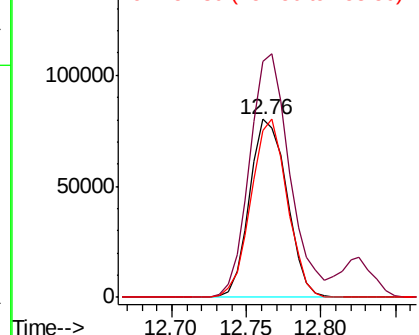
#77
Bromobenzene
Concen: 46.691 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 138834
Ion Ratio Lower Upper
156 100
77 147.1 71.5 214.5
158 96.8 47.1 141.4

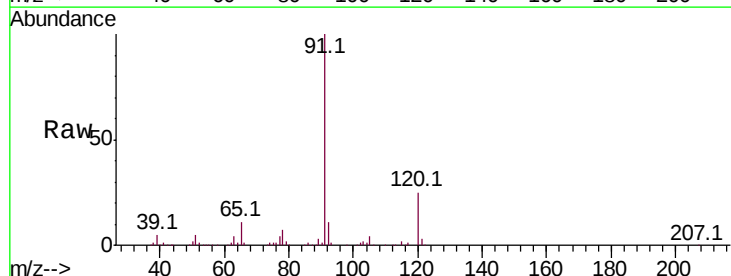


Abundance Ion 155.80 (155.50 to 156.50): V
150000
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

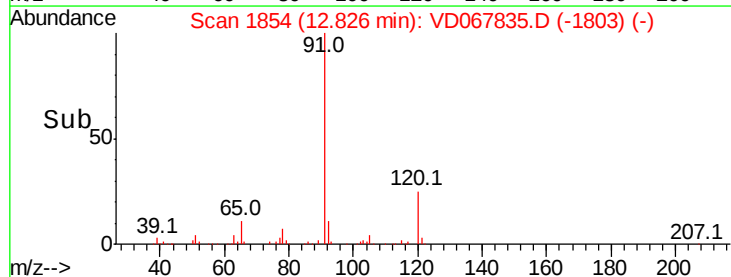
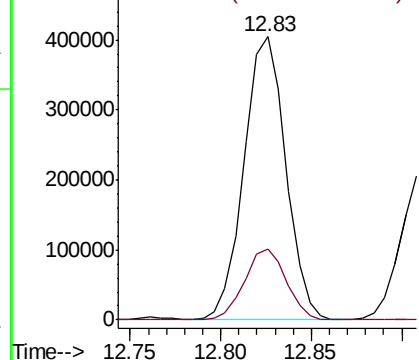


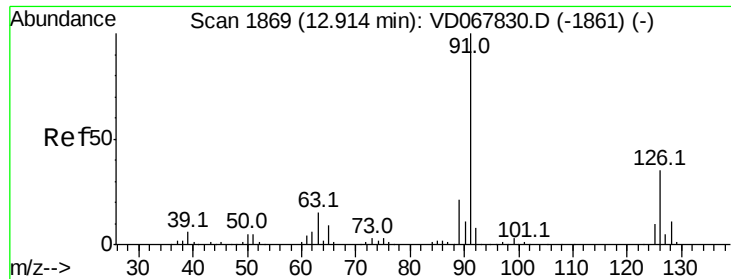
#78
n-propylbenzene
Concen: 48.841 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 91 Resp: 647454
Ion Ratio Lower Upper
91 100
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
400000
Ion 120.00 (119.70 to 120.70): V

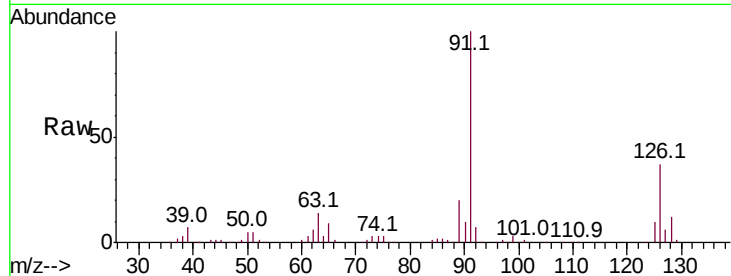




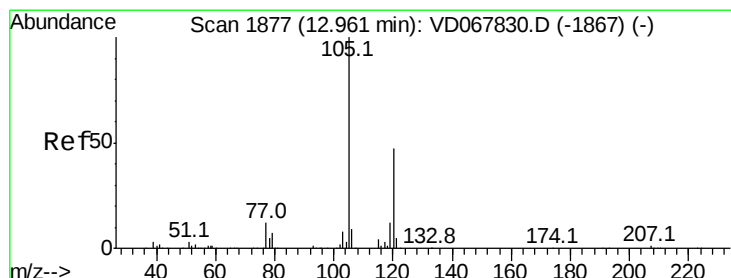
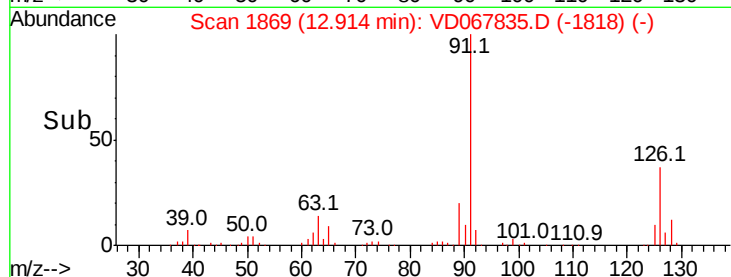
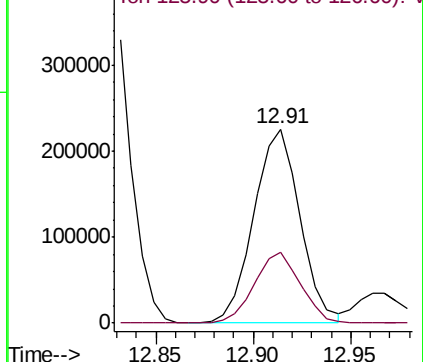
#79
2-Chlorotoluene
Concen: 47.392 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 369595
Ion Ratio Lower Upper
91 100
126 36.3 17.9 53.7

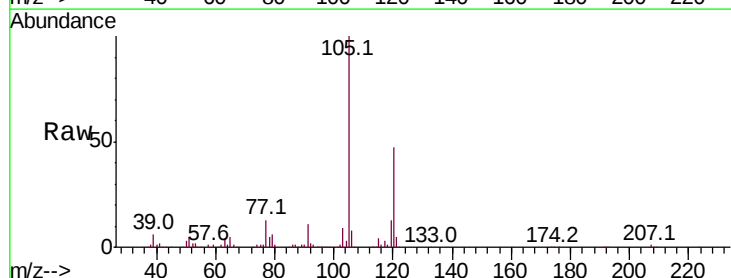


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

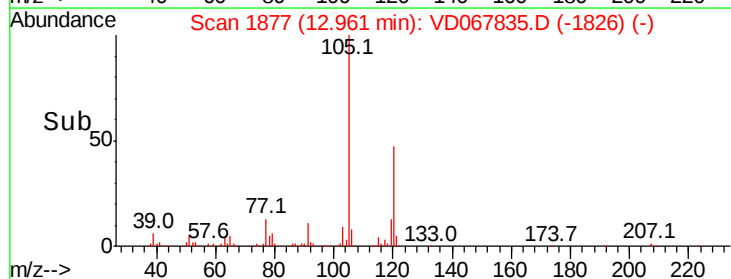
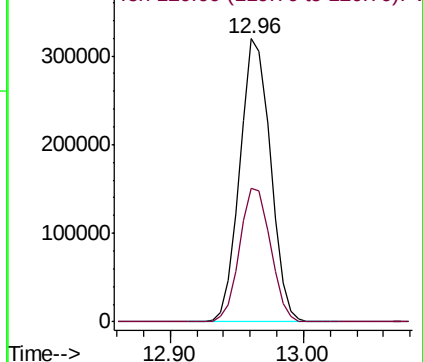


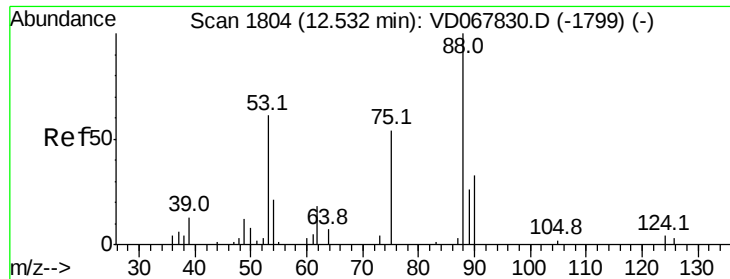
#80
1,3,5-Trimethylbenzene
Concen: 48.935 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:105 Resp: 506745
Ion Ratio Lower Upper
105 100
120 47.6 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: 42.661 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

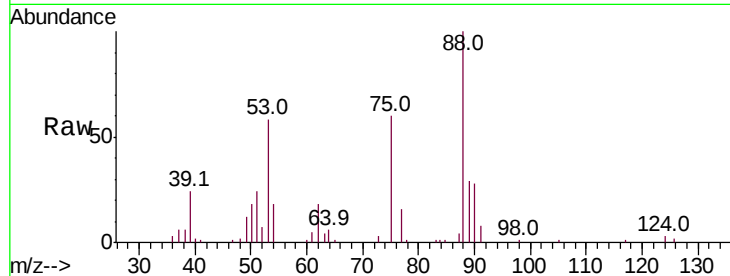
Tot Ion: 75 Resp: 22588

Ion Ratio Lower Upper

75 100

53 103.8 84.6 127.0

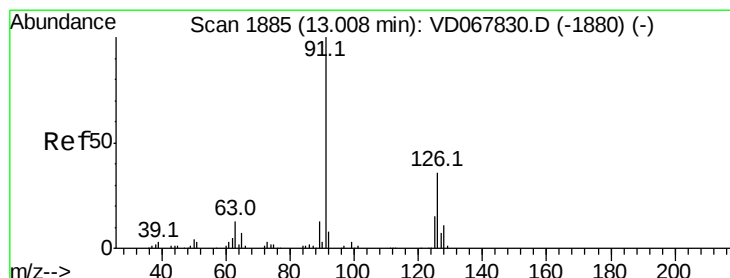
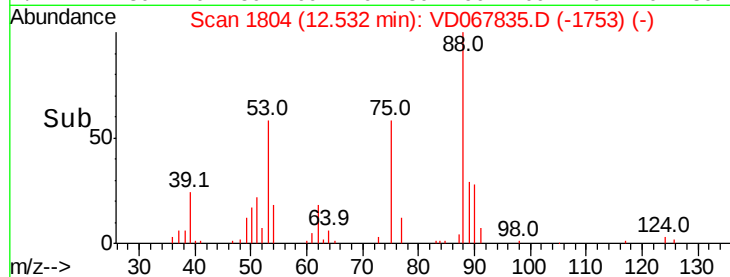
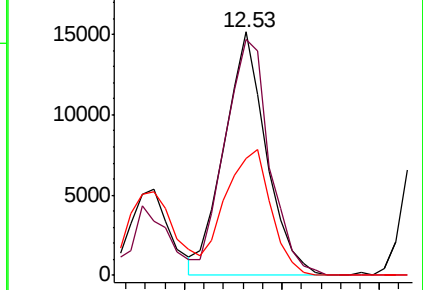
89 56.1 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.451 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067835.D

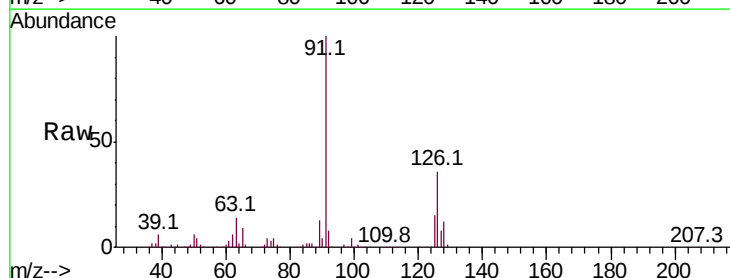
Acq: 02 Dec 2020 14:39

Tgt Ion: 91 Resp: 394746

Ion Ratio Lower Upper

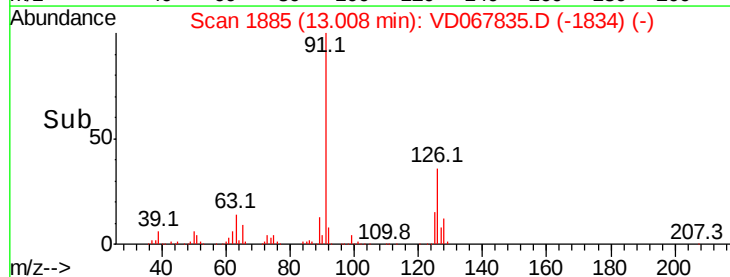
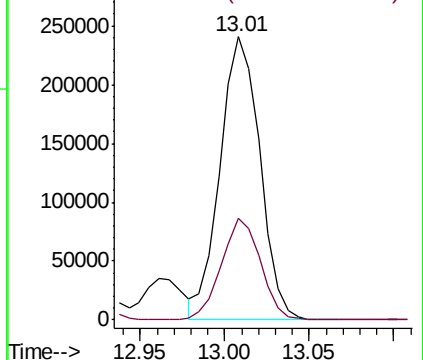
91 100

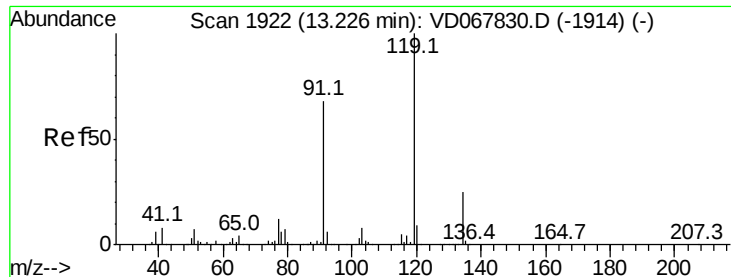
126 35.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.220 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

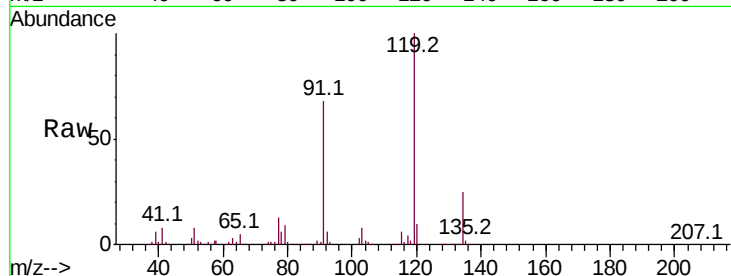
Tot Ion:119 Resp: 442544

Ion Ratio Lower Upper

119 100

91 66.2 33.1 99.3

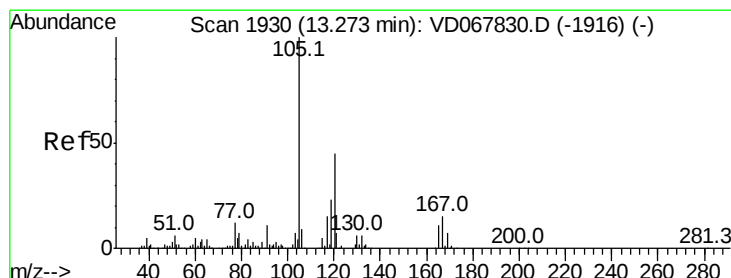
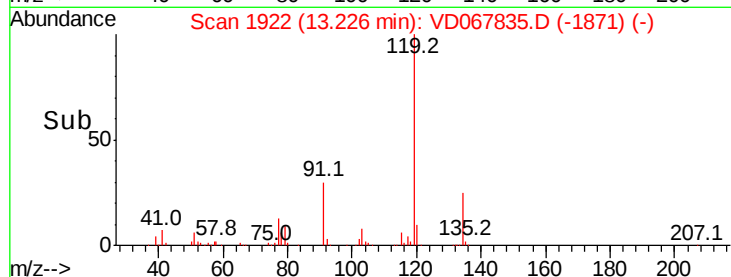
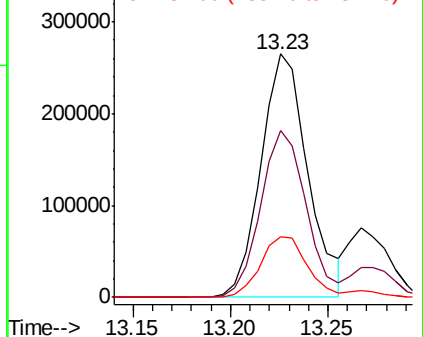
134 26.6 13.6 40.8



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: 47.894 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD067835.D

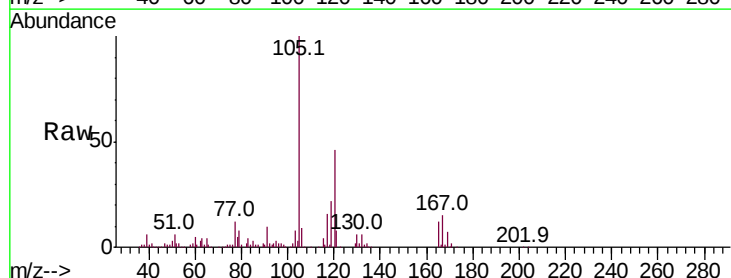
Acq: 02 Dec 2020 14:39

Tgt Ion:105 Resp: 493179

Ion Ratio Lower Upper

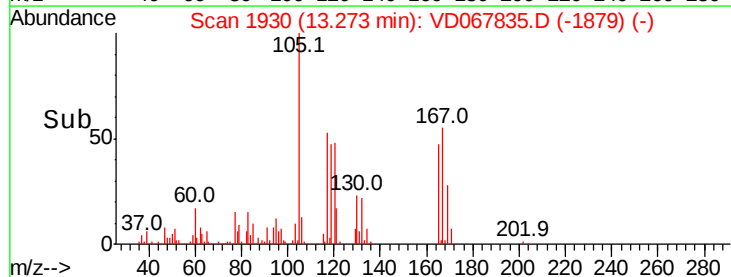
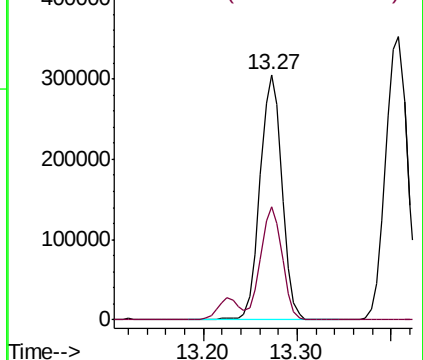
105 100

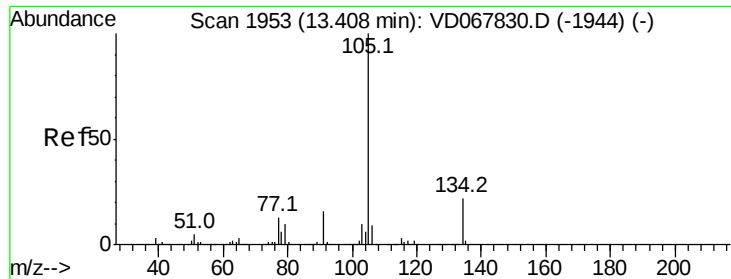
120 45.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.576 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

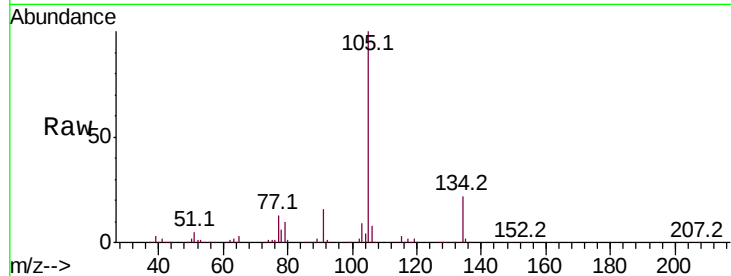
VSTDCCC050

Tot Ion:105 Resp: 571323

Ion Ratio Lower Upper

105 100

134 22.5 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

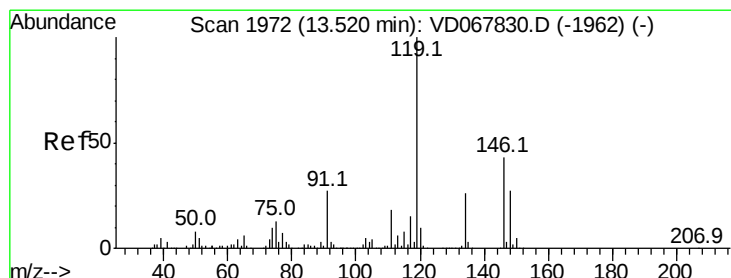
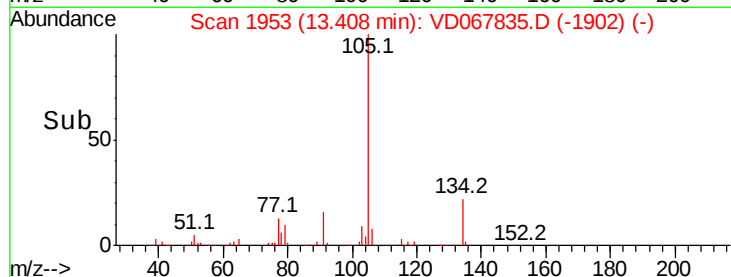
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 47.552 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

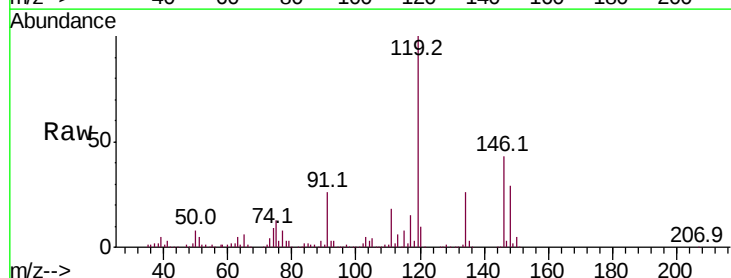
Tgt Ion:119 Resp: 548135

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 25.9 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

500000

400000

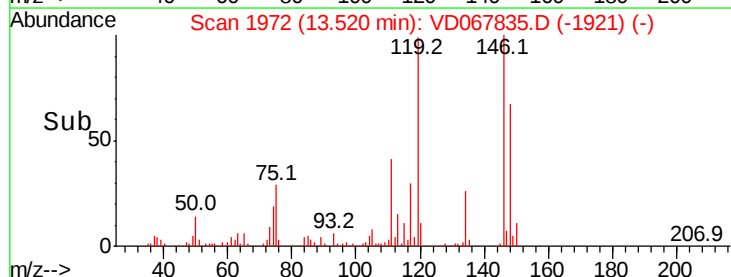
300000

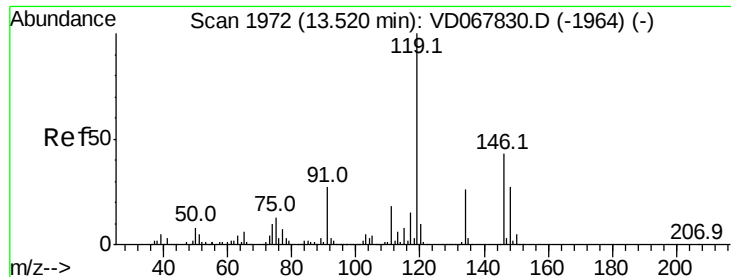
200000

100000

0

Time--> 13.45 13.50 13.55 13.60

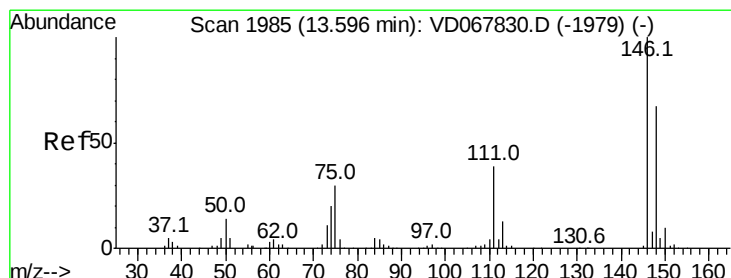
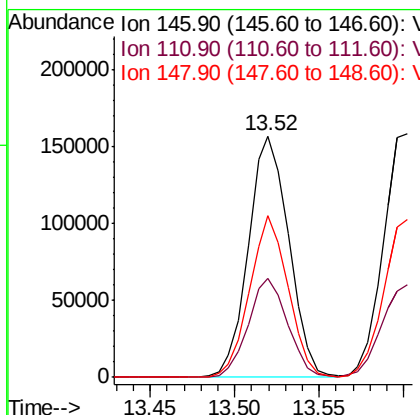
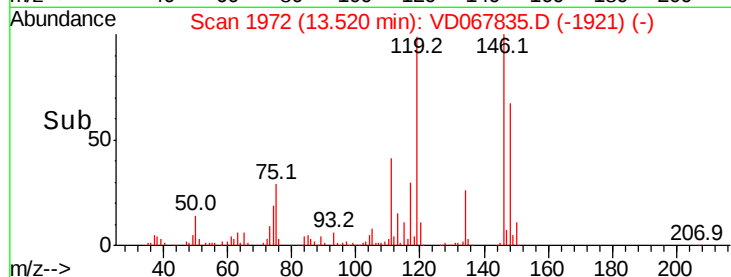
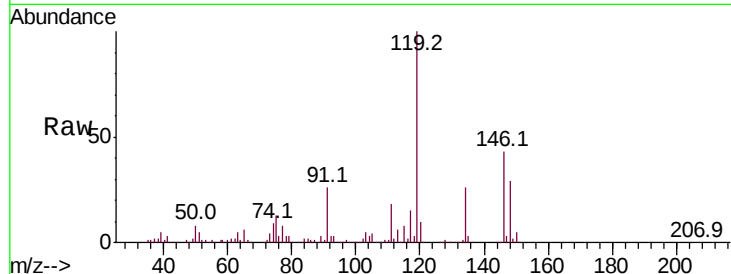




#87
1,3-Dichlorobenzene
Concen: 45.589 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

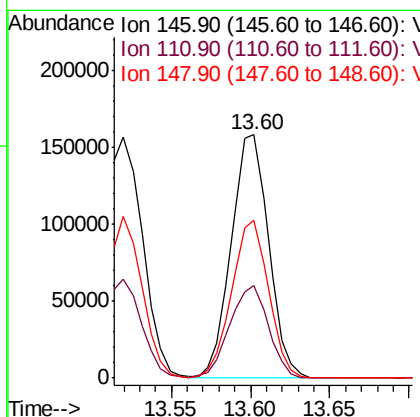
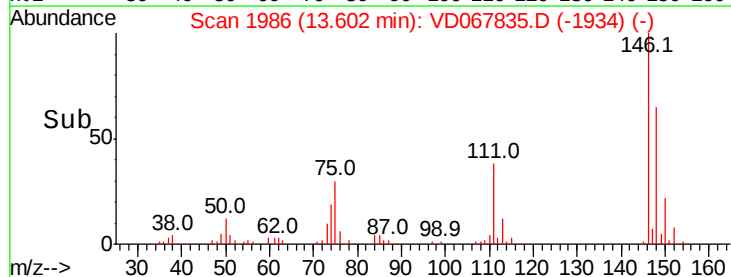
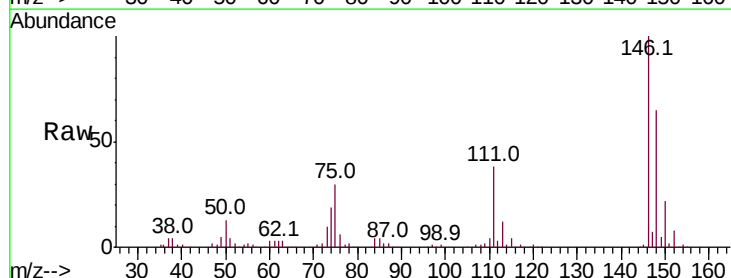
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

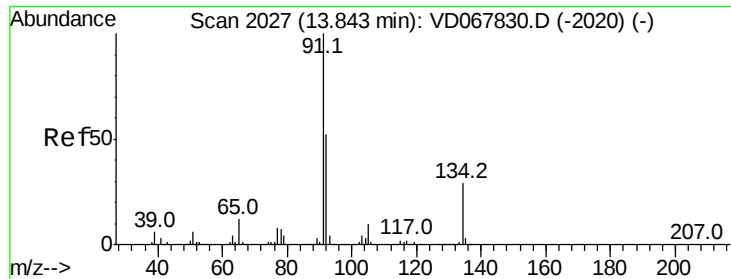
Tot Ion:146 Resp: 261491
Ion Ratio Lower Upper
146 100
111 39.8 20.8 62.2
148 63.8 32.9 98.6



#88
1,4-Dichlorobenzene
Concen: 45.176 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:146 Resp: 259236
Ion Ratio Lower Upper
146 100
111 39.4 19.9 59.6
148 64.2 32.4 97.2

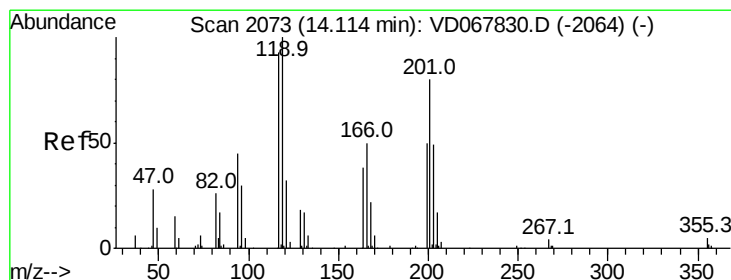
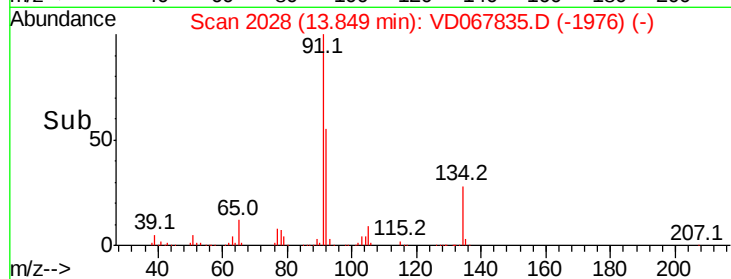
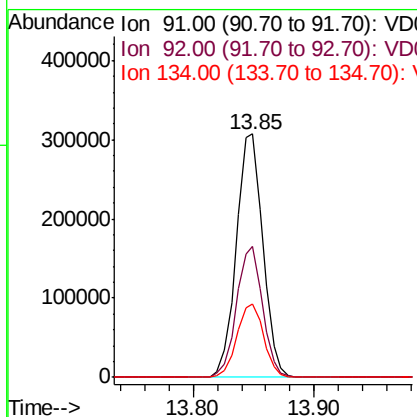
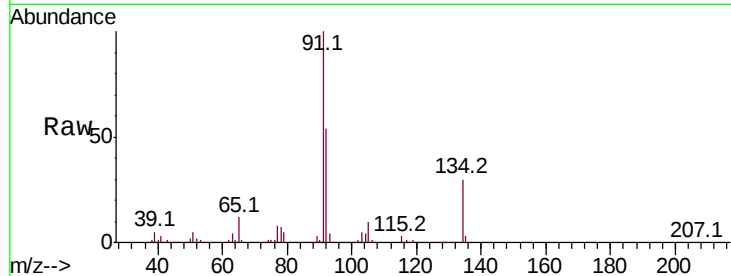




#89
n-Butylbenzene
Concen: 49.219 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

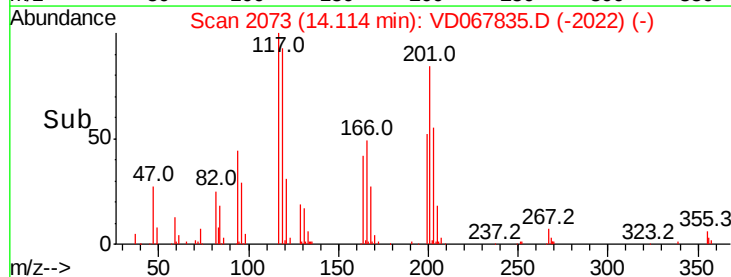
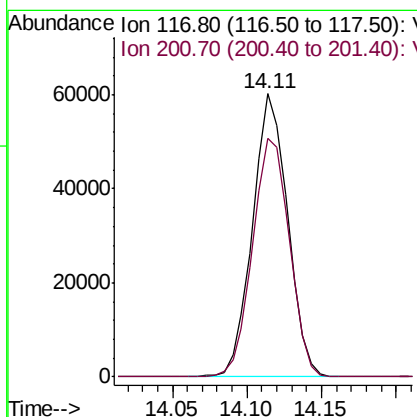
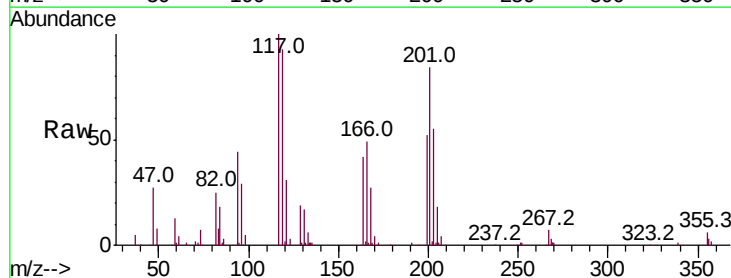
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

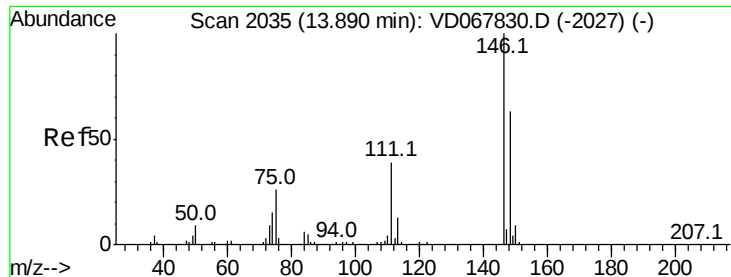
Tot Ion: 91 Resp: 471351
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 30.5 14.8 44.3



#90
Hexachloroethane
Concen: 46.002 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 117 Resp: 97899
Ion Ratio Lower Upper
117 100
201 88.4 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 45.382 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

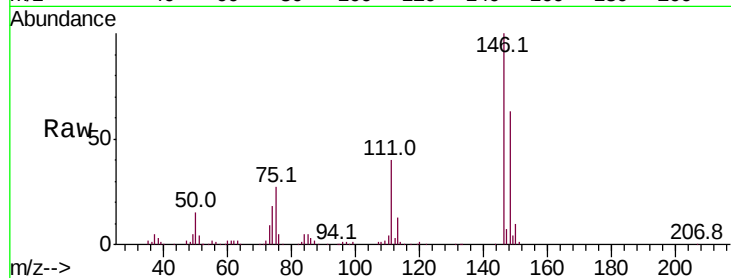
Tot Ion:146 Resp: 225761

Ion Ratio Lower Upper

146 100

111 41.9 20.4 61.2

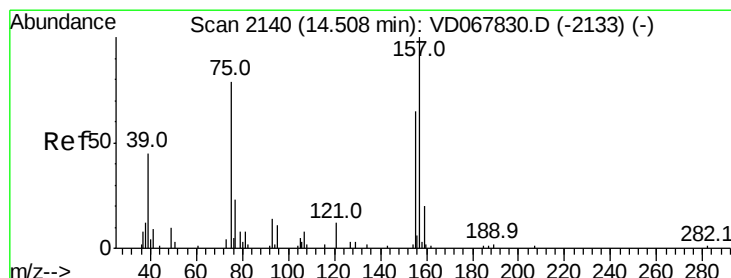
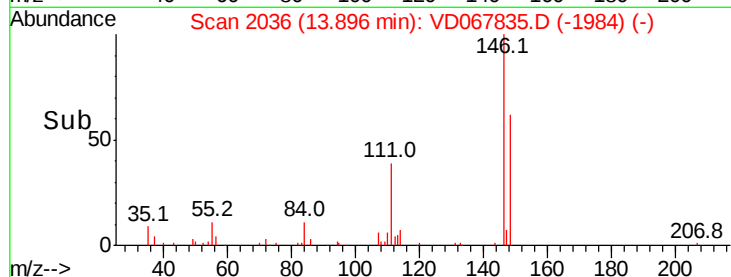
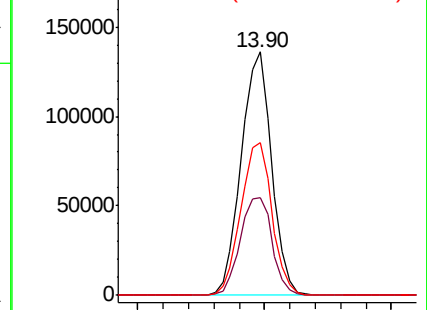
148 64.5 32.1 96.3



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: 43.972 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

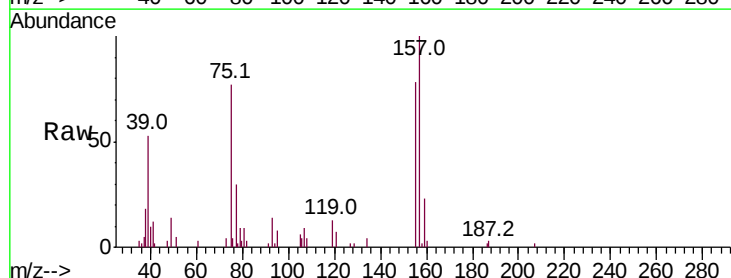
Tgt Ion: 75 Resp: 14491

Ion Ratio Lower Upper

75 100

155 91.2 44.1 132.4

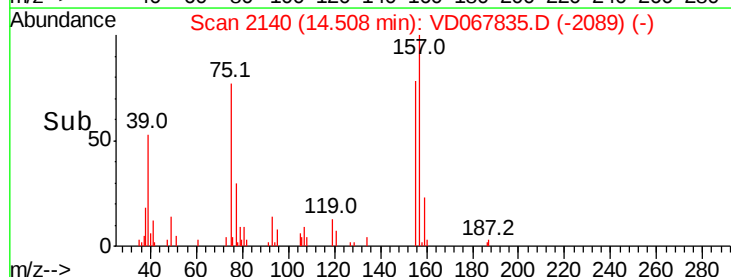
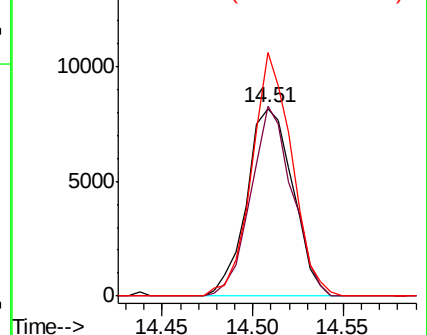
157 112.2 62.4 187.2

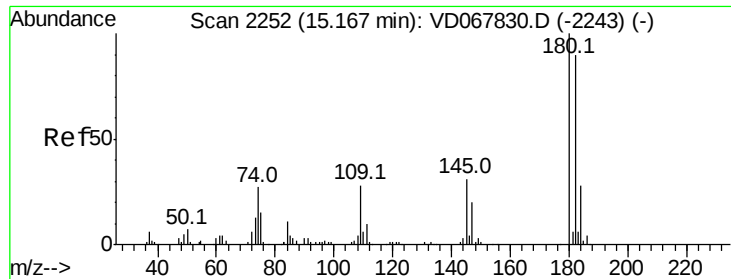


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

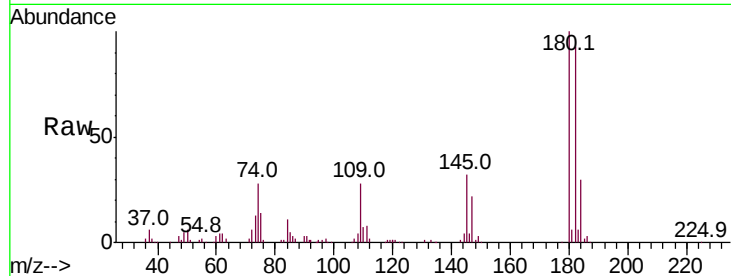




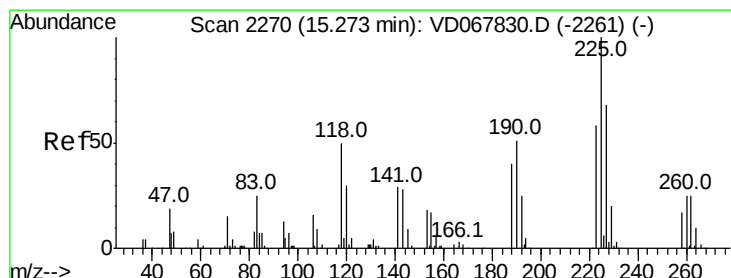
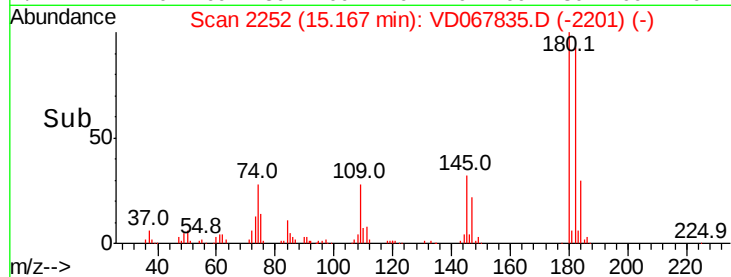
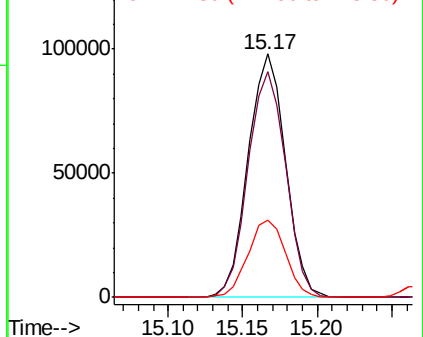
#93
1,2,4-Trichlorobenzene
Concen: 48.755 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 169656
Ion Ratio Lower Upper
180 100
182 93.4 47.5 142.6
145 31.9 16.4 49.4

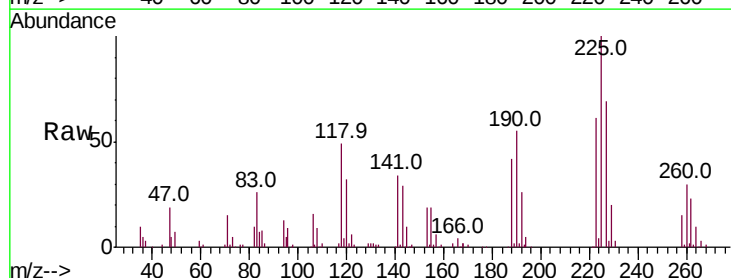


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

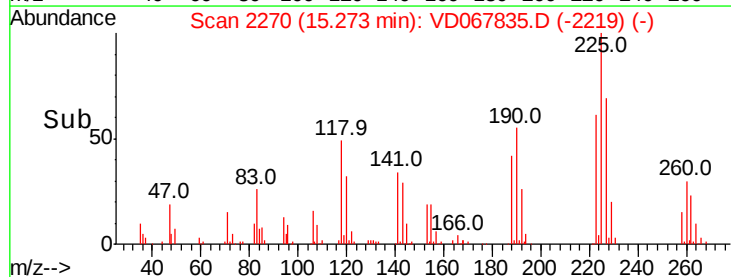
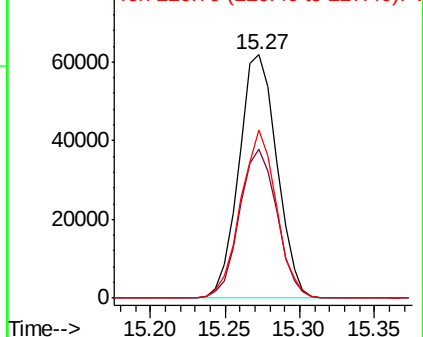


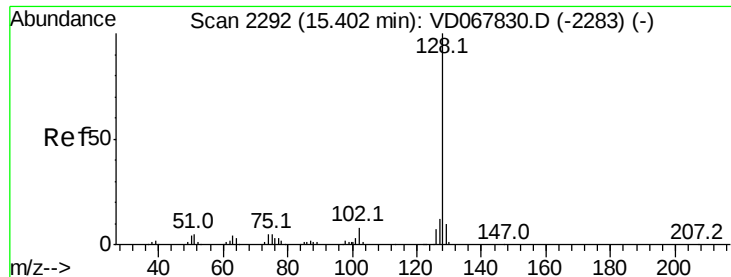
#94
Hexachlorobutadiene
Concen: 47.976 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:225 Resp: 108937
Ion Ratio Lower Upper
225 100
223 60.9 31.1 93.3
227 65.1 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

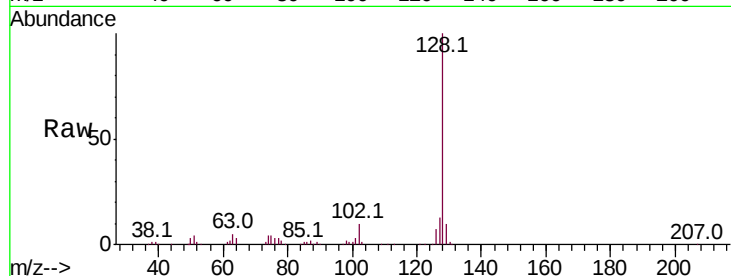




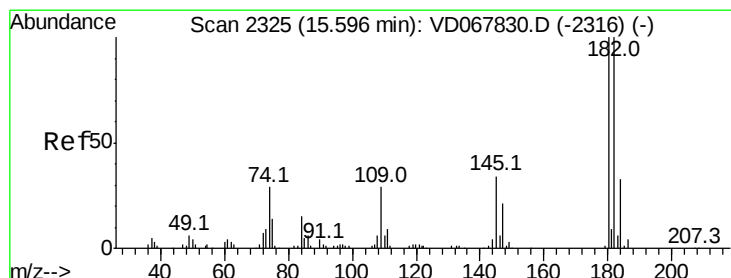
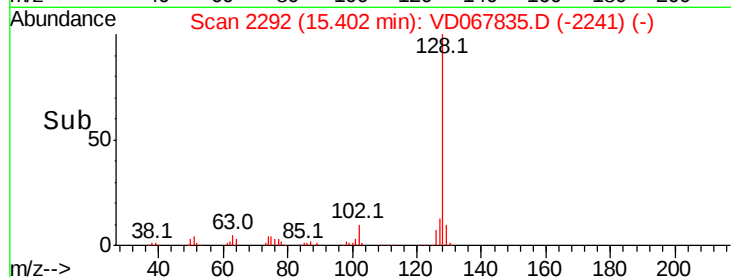
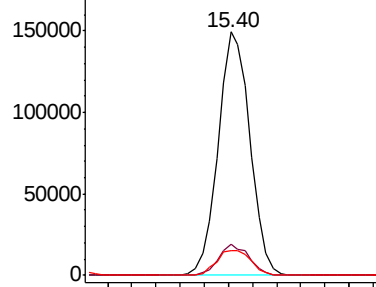
#95
Naphthalene
Concen: 48.507 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	11.1	9.0	13.6

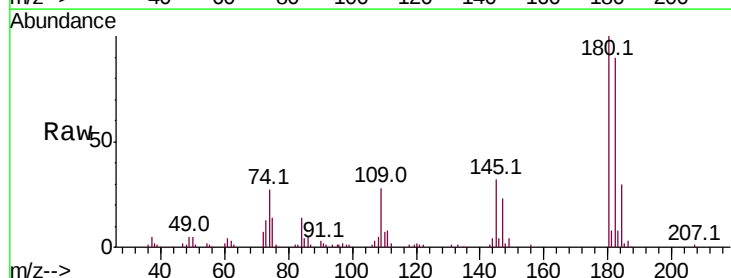


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.228 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	142.0
145	34.4	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

