

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067288.D
 Acq On : 15 Oct 2020 17:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 16 01:44:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	318601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	476404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152740	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.92	113	158462	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.34	98	576072	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.64	95	200370	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116741	45.232	ug/l	98
3) Chloromethane	2.21	50	87563	43.670	ug/l	98
4) Vinyl Chloride	2.35	62	94722	43.055	ug/l	96
5) Bromomethane	2.77	94	73458	47.882	ug/l	86
6) Chloroethane	2.93	64	62096	45.321	ug/l	93
7) Trichlorofluoromethane	3.27	101	250365	45.193	ug/l	99
8) Diethyl Ether	3.71	74	58677	46.287	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	133707	45.427	ug/l	100
10) Methyl Iodide	4.30	142	122885	45.260	ug/l	99
11) Tert butyl alcohol	5.22	59	35835	208.341	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	116725	44.391	ug/l	95
13) Acrolein	3.93	56	36210	195.028	ug/l	100
14) Allyl chloride	4.71	41	133205	44.236	ug/l	97
15) Acrylonitrile	5.42	53	98286	232.362	ug/l	99
16) Acetone	4.16	43	94770	212.001	ug/l	96
17) Carbon Disulfide	4.41	76	331574	44.233	ug/l	100
18) Methyl Acetate	4.72	43	46009	45.124	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	246708	47.186	ug/l	94
20) Methylene Chloride	4.96	84	142725	49.829	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	141810	46.865	ug/l	96
22) Diisopropyl ether	6.37	45	270505	49.175	ug/l	94
23) Vinyl Acetate	6.31	43	795250	254.112	ug/l	100
24) 1,1-Dichloroethane	6.27	63	220170	46.758	ug/l	99
25) 2-Butanone	7.21	43	123477	242.318	ug/l	96
26) 2,2-Dichloropropane	7.21	77	220036	45.336	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	155351	46.844	ug/l	97
28) Bromochloromethane	7.55	49	79006	49.191	ug/l	98
29) Tetrahydrofuran	7.57	42	68048	240.234	ug/l	96
30) Chloroform	7.71	83	267465	47.549	ug/l	92
31) Cyclohexane	7.99	56	156324	42.521	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	257867	46.723	ug/l	99
36) 1,1-Dichloropropene	8.11	75	189174	46.850	ug/l	98
37) Ethyl Acetate	7.29	43	56856	47.858	ug/l	95
38) Carbon Tetrachloride	8.10	117	241714	46.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	200318	47.455	ug/l	96
40) Benzene	8.36	78	527757	47.643	ug/l	98
41) Methacrylonitrile	7.53	41	35565	55.399	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	163904	47.280	ug/l	98
43) Isopropyl Acetate	8.46	43	110313	46.796	ug/l	99
44) Trichloroethene	9.11	130	166081	46.827	ug/l	98
45) 1,2-Dichloropropane	9.39	63	117410	45.733	ug/l	95
46) Dibromomethane	9.48	93	75681	47.314	ug/l	97
47) Bromodichloromethane	9.67	83	203990	47.600	ug/l	95
48) Methyl methacrylate	9.46	41	56520	49.338	ug/l	95
49) 1,4-Dioxane	9.46	88	15475	999.718	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	284208	241.724	ug/l	100
52) Toluene	10.41	92	365791	48.482	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	178200	47.335	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	213050	48.357	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	104710	48.006	ug/l	98
56) Ethyl methacrylate	10.67	69	113092	49.994	ug/l	100
57) 1,3-Dichloropropane	10.95	76	165299	47.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	307692	265.144	ug/l	97
59) 2-Hexanone	10.99	43	194015	241.484	ug/l	99
60) Dibromochloromethane	11.14	129	150884	47.434	ug/l	97
61) 1,2-Dibromoethane	11.25	107	100865	46.907	ug/l	97
64) Tetrachloroethene	10.88	164	146034	45.234	ug/l	94
65) Chlorobenzene	11.67	112	403070	47.173	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	162527	47.859	ug/l	98
67) Ethyl Benzene	11.75	91	697124	47.595	ug/l	100
68) m/p-Xylenes	11.86	106	542335	96.153	ug/l	98
69) o-Xylene	12.18	106	247692	47.424	ug/l	98
70) Styrene	12.20	104	437473	48.657	ug/l	99
71) Bromoform	12.37	173	84332	46.225	ug/l #	97
73) Isopropylbenzene	12.48	105	701164	49.544	ug/l	100
74) N-amyl acetate	12.30	43	102754	48.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	101351	46.739	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	78335m	50.685	ug/l	
77) Bromobenzene	12.77	156	166790	47.272	ug/l	98
78) n-propylbenzene	12.83	91	797446	48.633	ug/l	100
79) 2-Chlorotoluene	12.91	91	455161	47.866	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	610552	49.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31851	46.734	ug/l	96
82) 4-Chlorotoluene	13.01	91	486805	48.234	ug/l	99
83) tert-Butylbenzene	13.23	119	519899	50.046	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	615921	50.671	ug/l	98
85) sec-Butylbenzene	13.41	105	695298	48.777	ug/l	99
86) p-Isopropyltoluene	13.52	119	664789	49.410	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318968	46.968	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	321170	47.734	ug/l	100
89) n-Butylbenzene	13.85	91	592111	50.024	ug/l	98
90) Hexachloroethane	14.12	117	112311	47.835	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	280265	47.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18543	47.070	ug/l	95

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QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

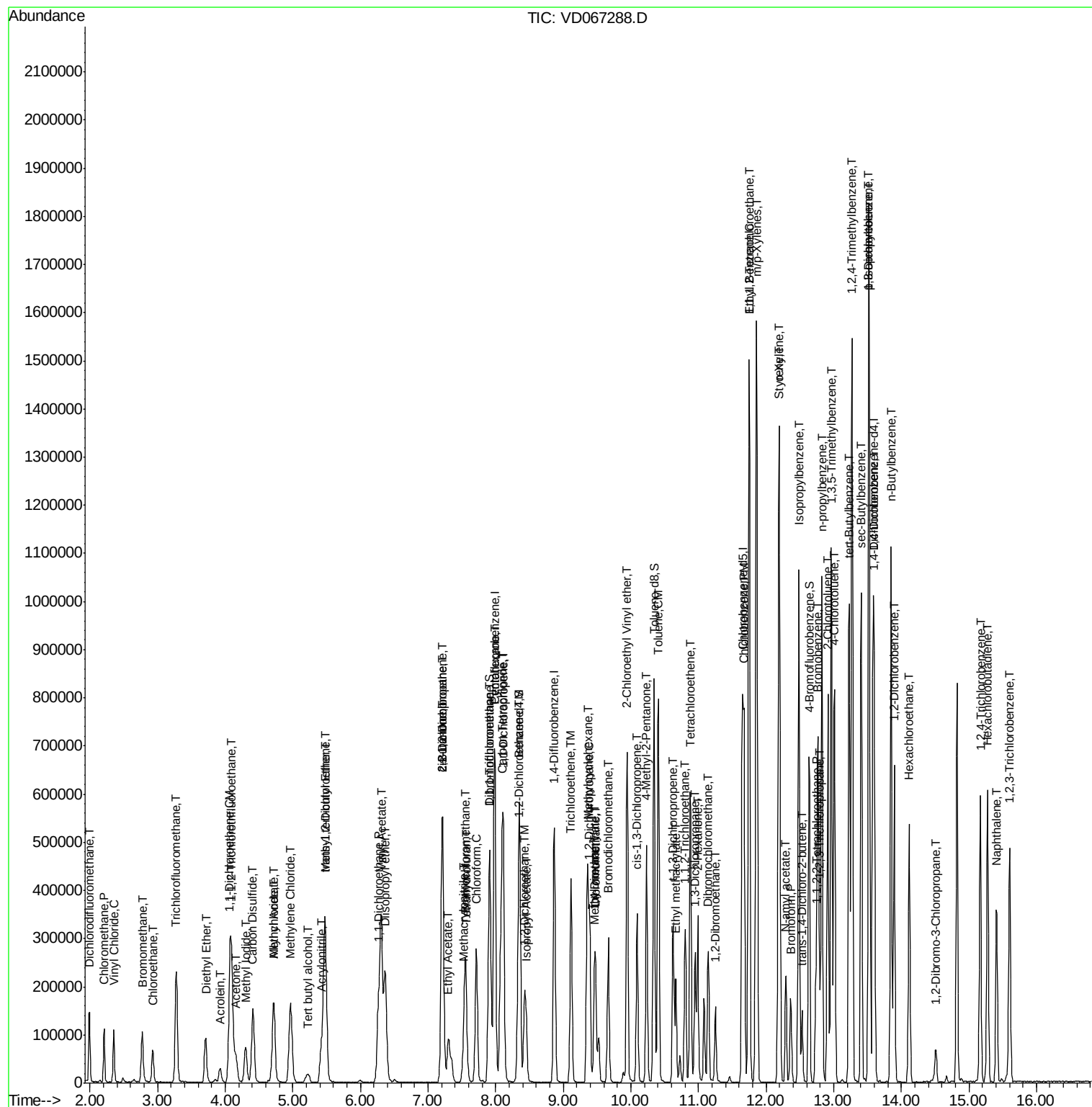
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	196833	49.208	ug/l	98
94) Hexachlorobutadiene	15.28	225	121326	48.844	ug/l	98
95) Naphthalene	15.41	128	331716	50.510	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	171661	49.676	ug/l	100

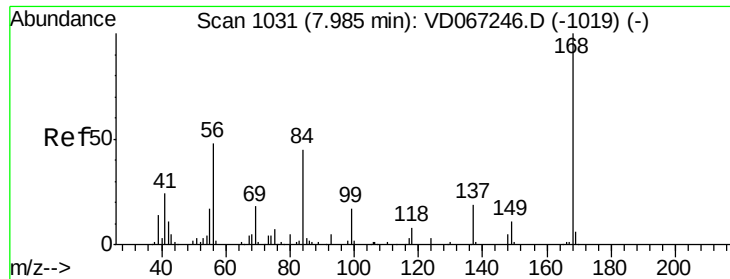
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

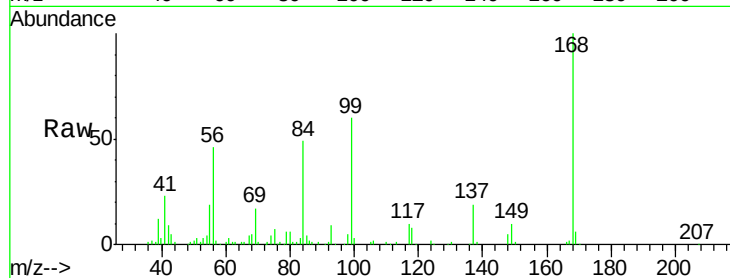
VSTDCCC050EC

Tot Ion:168 Resp: 318601

Ion Ratio Lower Upper

168 100

99 59.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

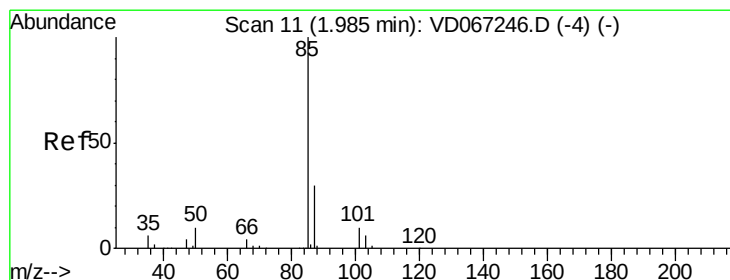
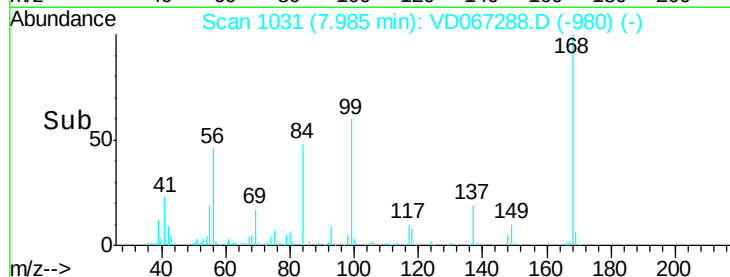
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.232 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067288.D

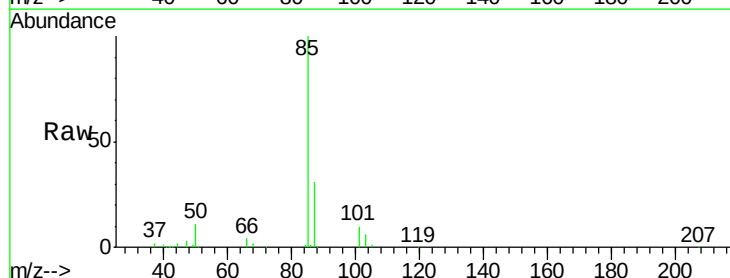
Acq: 15 Oct 2020 17:23

Tgt Ion: 85 Resp: 116741

Ion Ratio Lower Upper

85 100

87 31.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

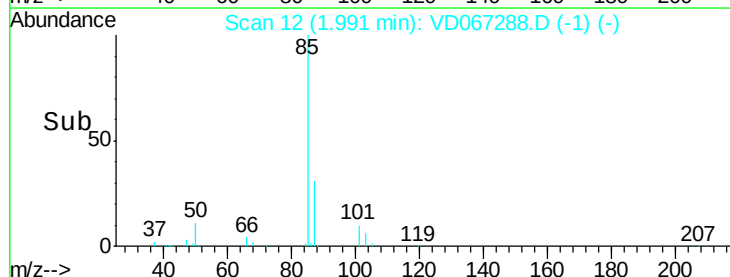
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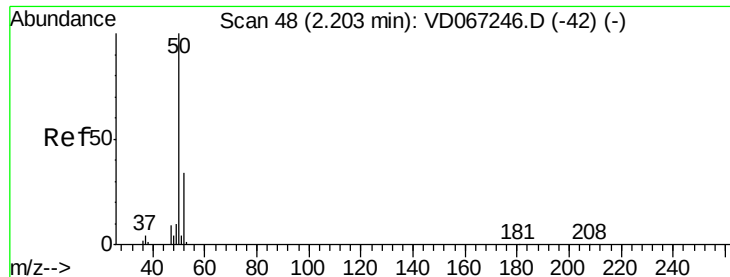
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.670 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

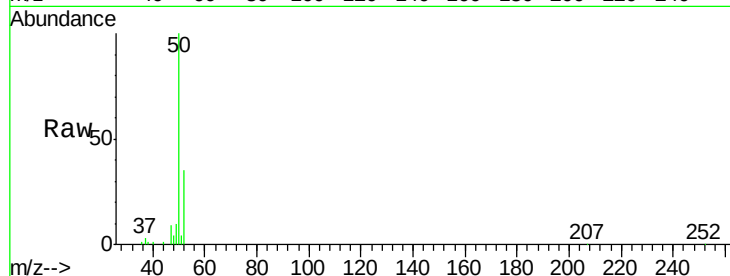
VSTDCCC050EC

Tot Ion: 50 Resp: 87563

Ion Ratio Lower Upper

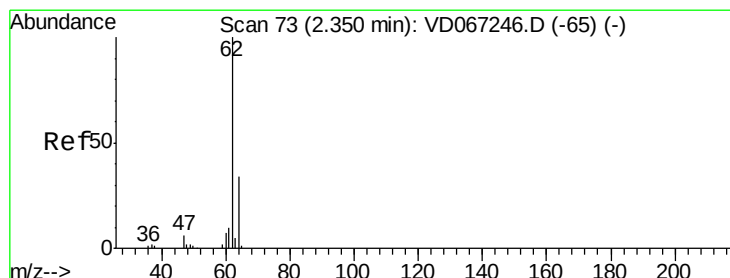
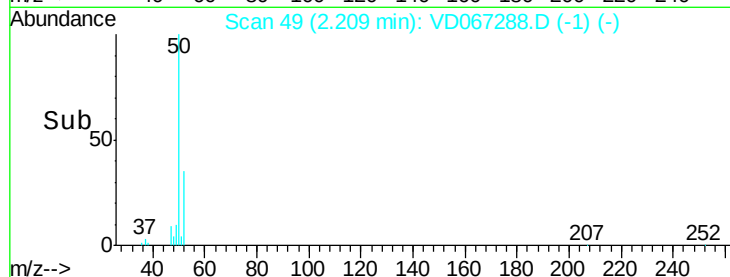
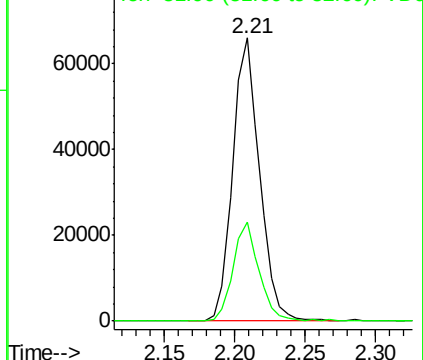
50 100

52 35.1 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.055 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067288.D

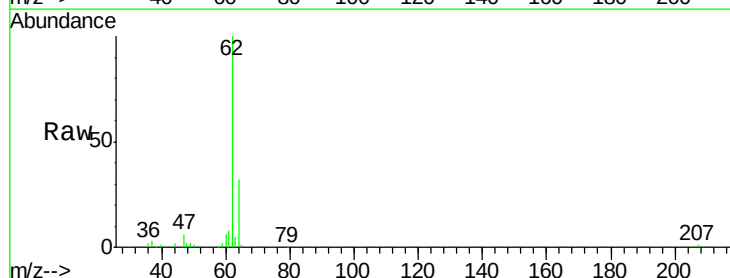
Acq: 15 Oct 2020 17:23

Tgt Ion: 62 Resp: 94722

Ion Ratio Lower Upper

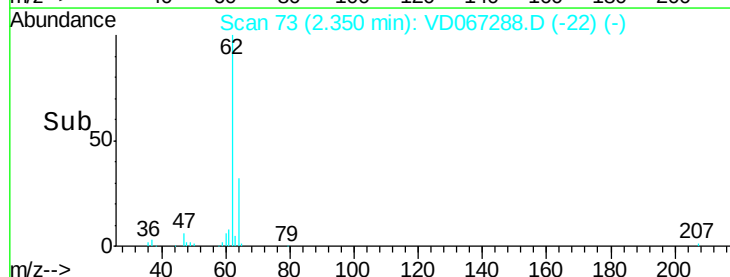
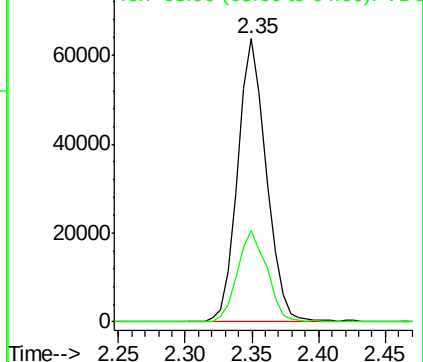
62 100

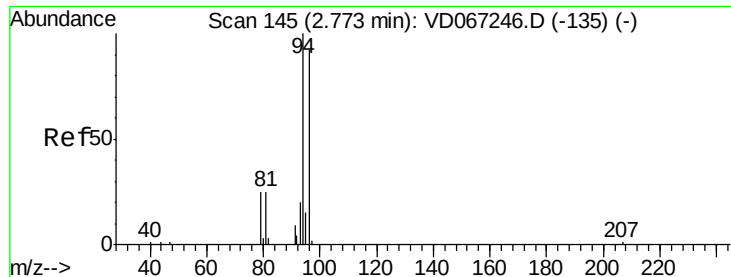
64 32.1 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.882 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

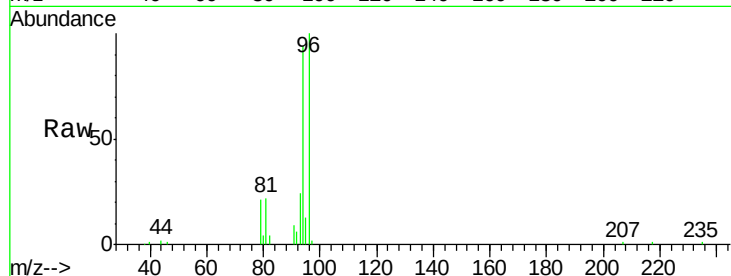
VSTDCCC050EC

Tot Ion: 94 Resp: 73458

Ion Ratio Lower Upper

94 100

96 106.0 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

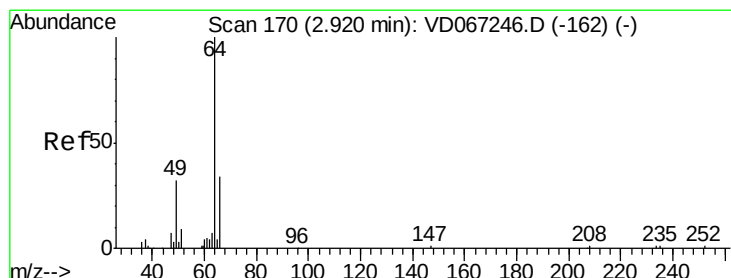
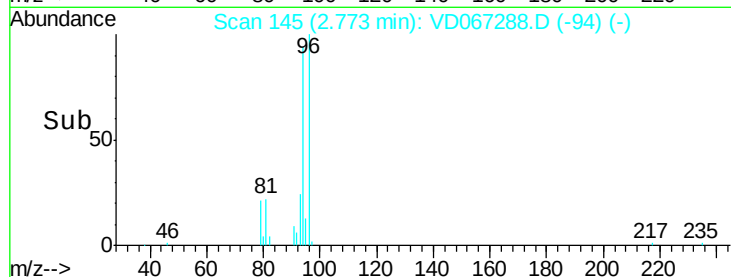
30000

20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 45.321 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067288.D

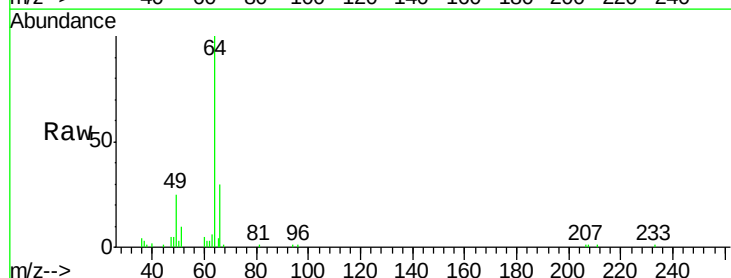
Acq: 15 Oct 2020 17:23

Tgt Ion: 64 Resp: 62096

Ion Ratio Lower Upper

64 100

66 30.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

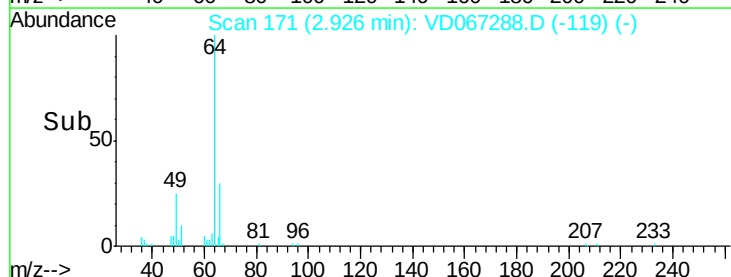
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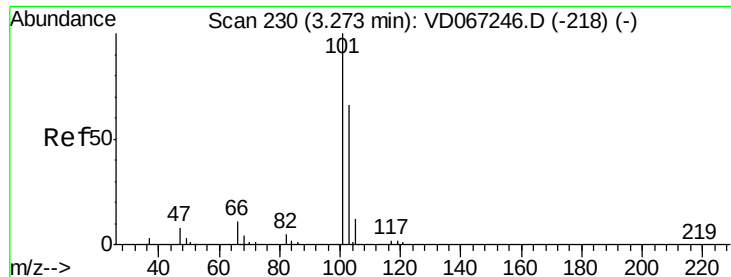
20000

10000

0

Time--> 2.85 2.90 2.95 3.00



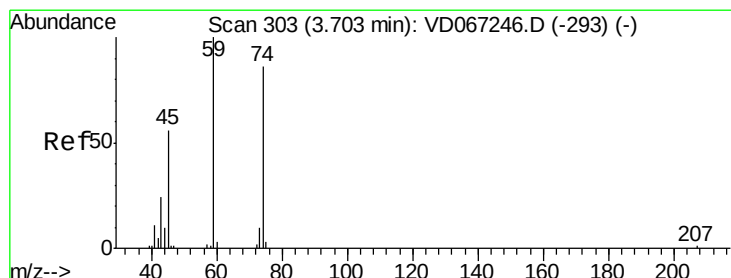
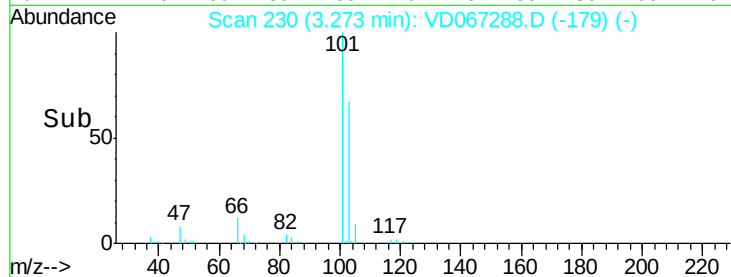
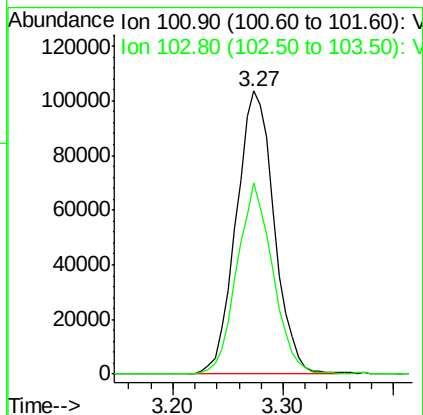
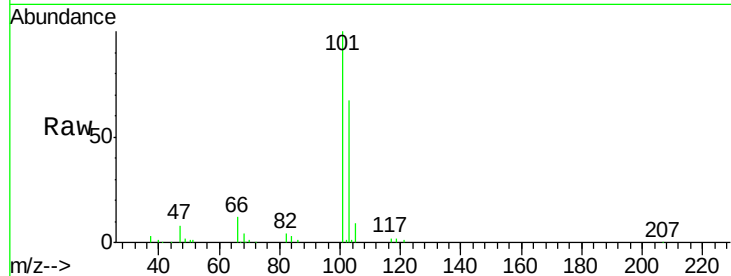


#7

Trichlorofluoromethane
 Concen: 45.193 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

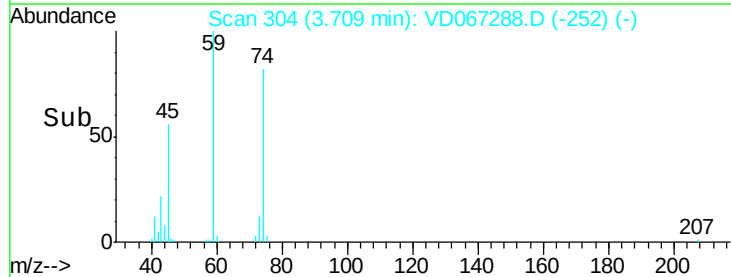
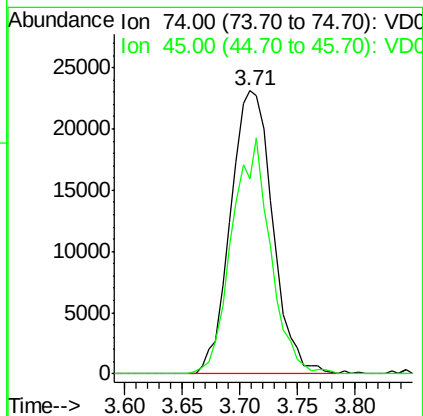
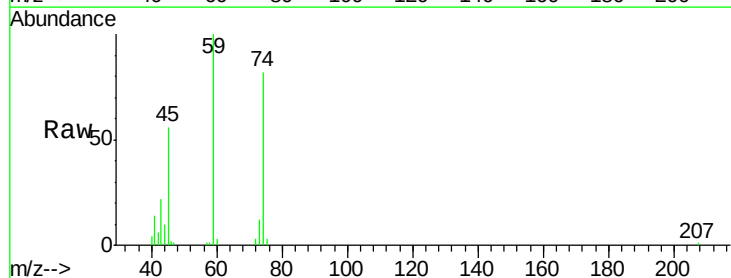
Tot Ion:101 Resp: 250365
 Ion Ratio Lower Upper
 101 100
 103 67.4 53.1 79.7

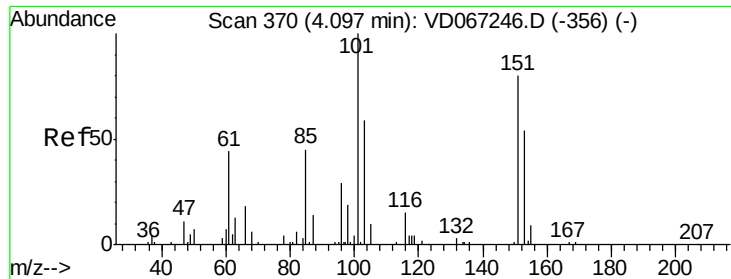


#8

Diethyl Ether
 Concen: 46.287 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 74 Resp: 58677
 Ion Ratio Lower Upper
 74 100
 45 76.0 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.427 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

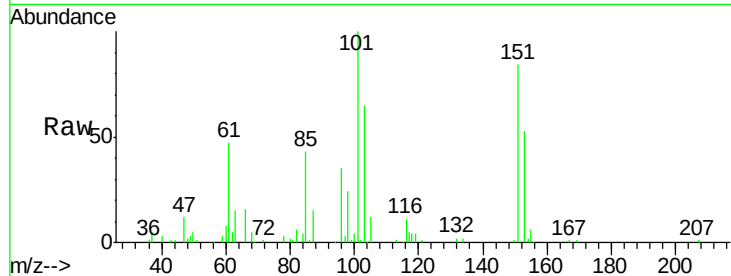
Tot Ion:101 Resp: 133707

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

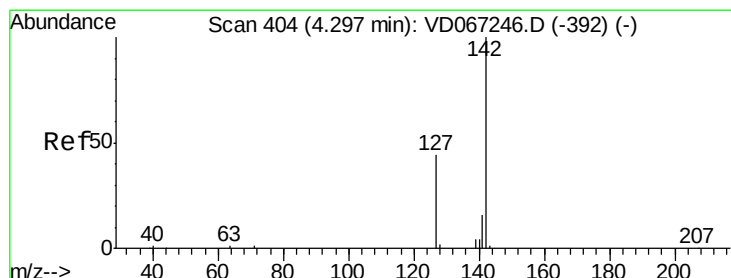
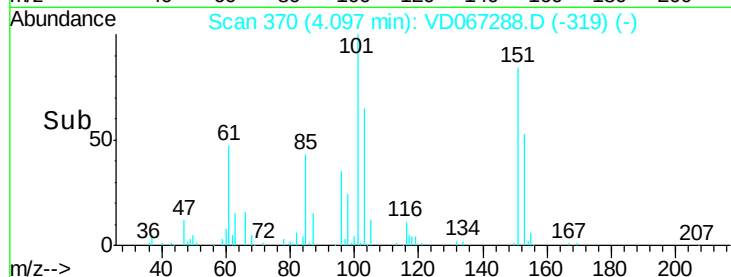
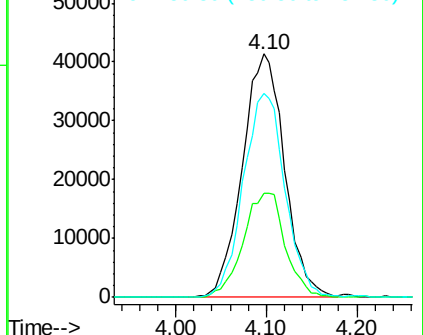
151 83.2 66.3 99.5



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: 45.260 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

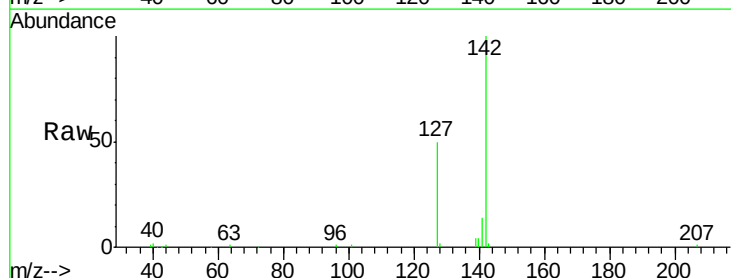
Tgt Ion:142 Resp: 122885

Ion Ratio Lower Upper

142 100

127 48.5 38.4 57.6

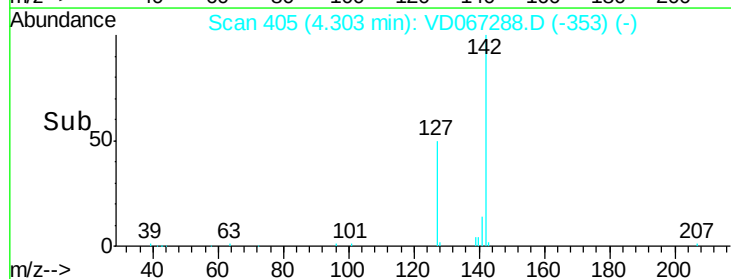
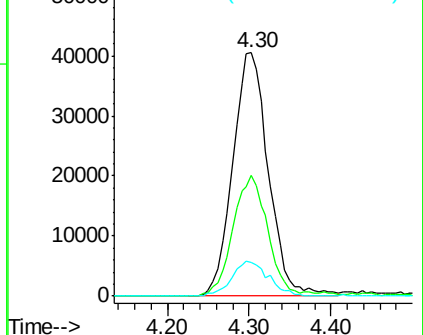
141 14.6 11.6 17.4

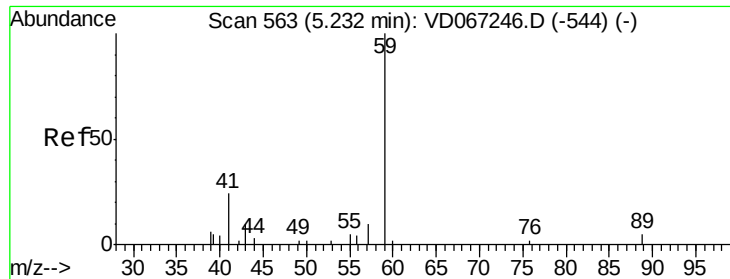


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

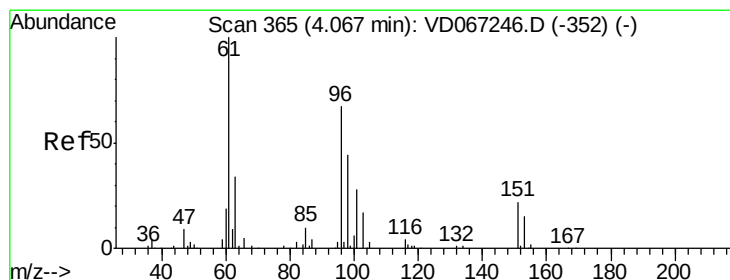
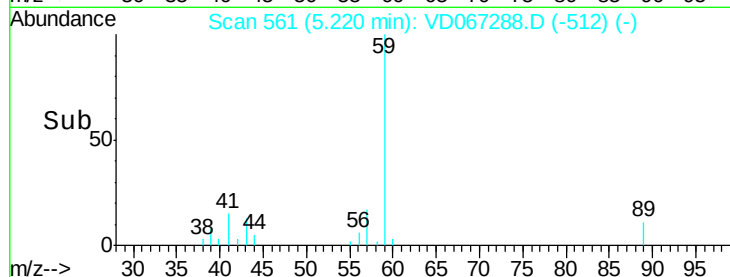
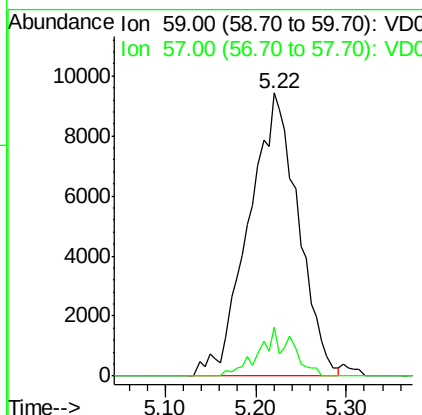
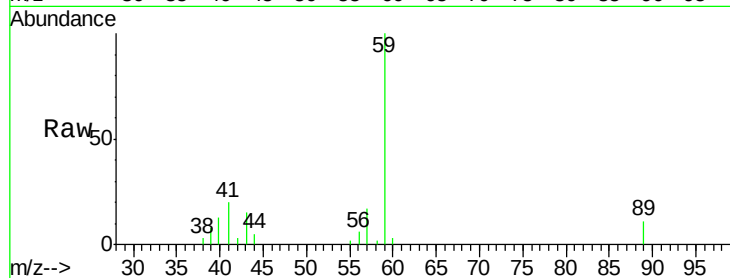




#11
Tert butyl alcohol
Concen: 208.341 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

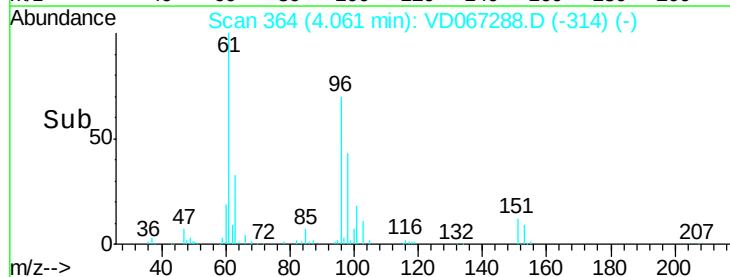
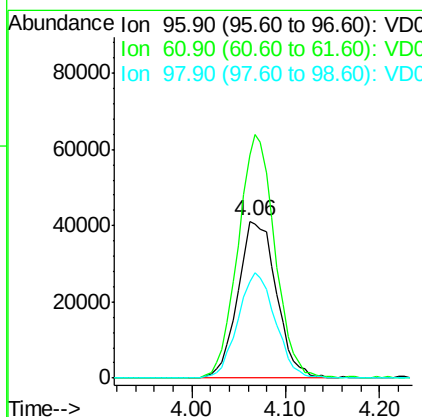
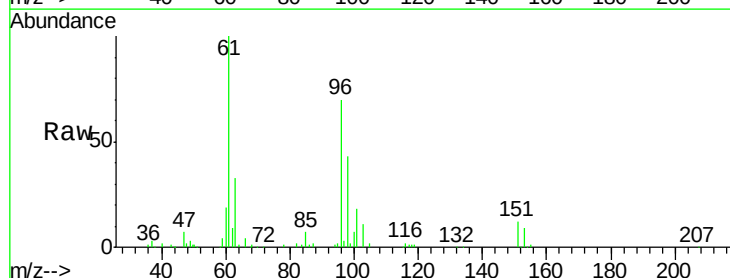
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

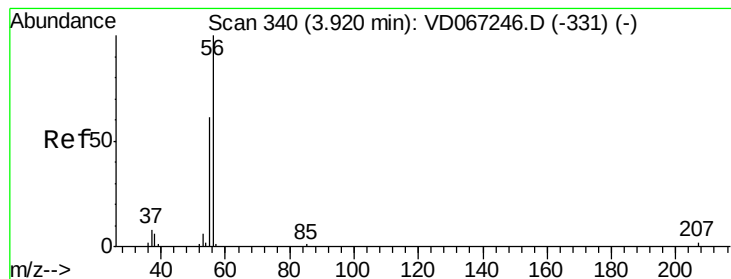
Tot Ion: 59 Resp: 35835
Ion Ratio Lower Upper
59 100
57 7.9 5.1 7.7#



#12
1,1-Dichloroethene
Concen: 44.391 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 96 Resp: 116725
Ion Ratio Lower Upper
96 100
61 142.0 118.6 177.8
98 61.5 51.8 77.6





#13

Acrolein

Concen: 195.028 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

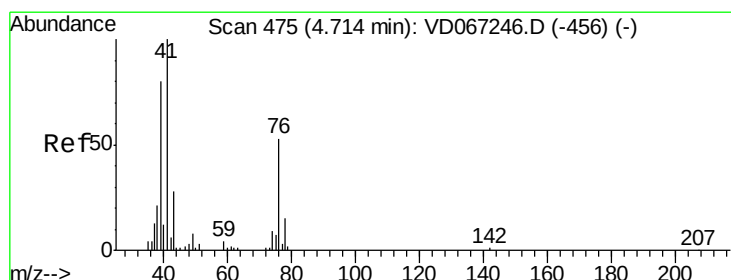
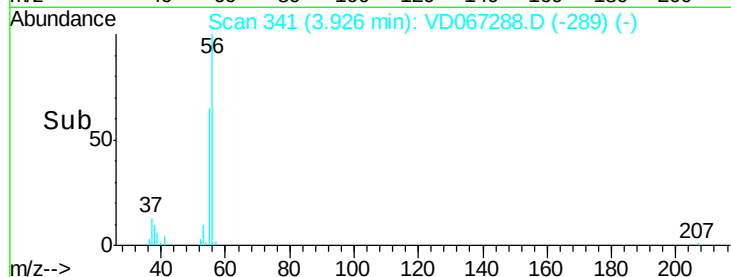
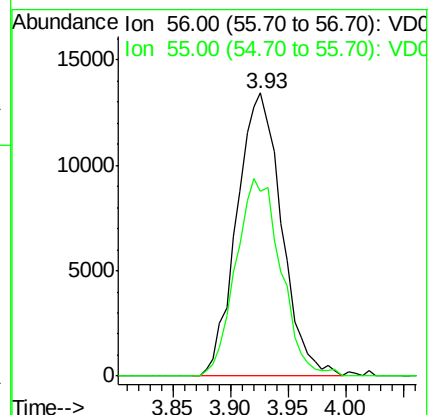
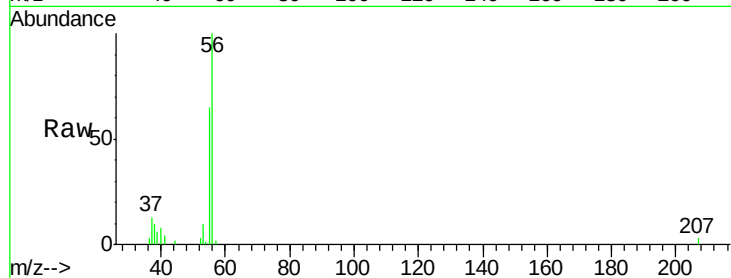
VSTDCCC050EC

Tot Ion: 56 Resp: 36210

Ion Ratio Lower Upper

56 100

55 70.1 56.0 84.0



#14

Allyl chloride

Concen: 44.236 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

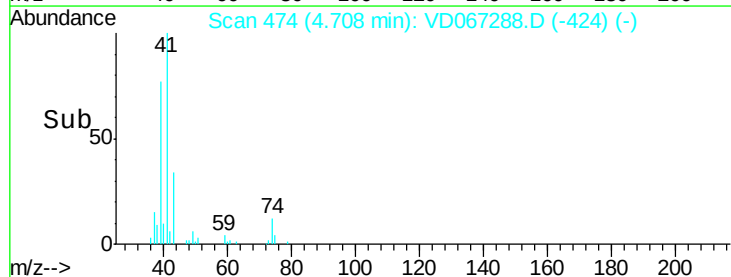
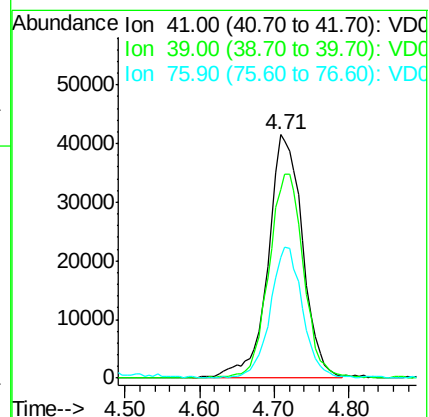
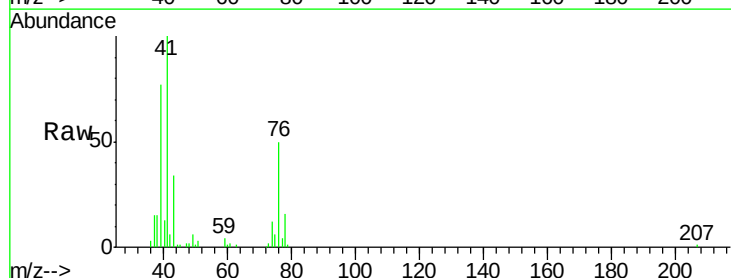
Tgt Ion: 41 Resp: 133205

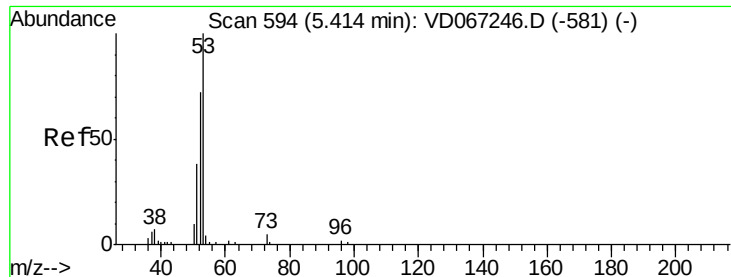
Ion Ratio Lower Upper

41 100

39 84.4 63.8 95.6

76 50.5 40.4 60.6





#15

Acrylonitrile

Concen: 232.362 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

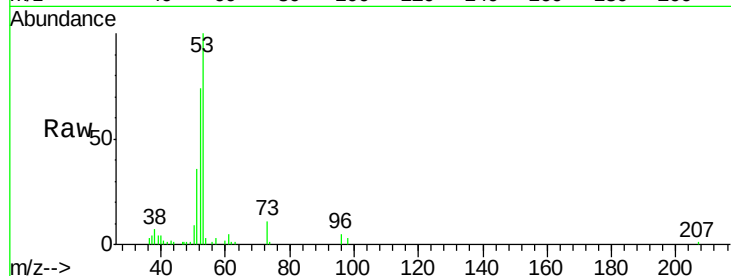
Tot Ion: 53 Resp: 98286

Ion Ratio Lower Upper

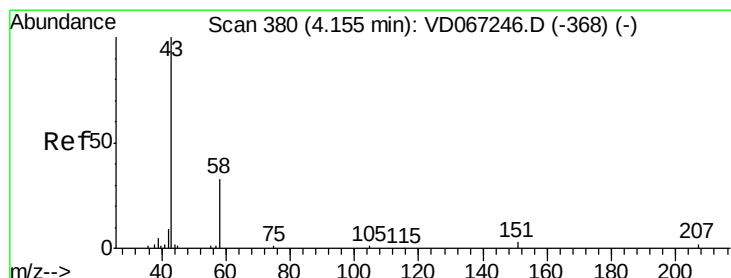
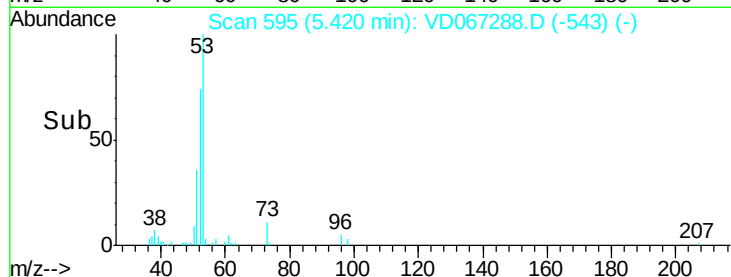
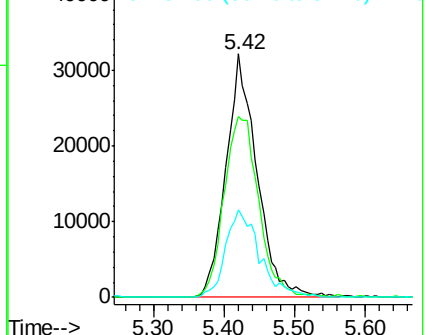
53 100

52 82.6 65.6 98.4

51 39.4 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 212.001 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067288.D

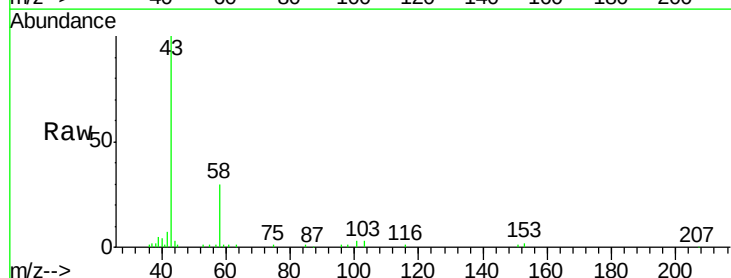
Acq: 15 Oct 2020 17:23

Tgt Ion: 43 Resp: 94770

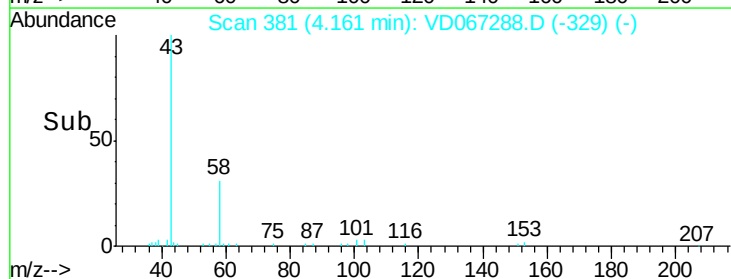
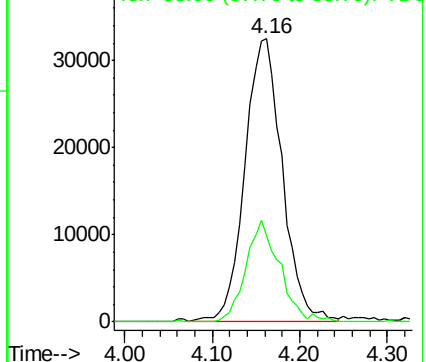
Ion Ratio Lower Upper

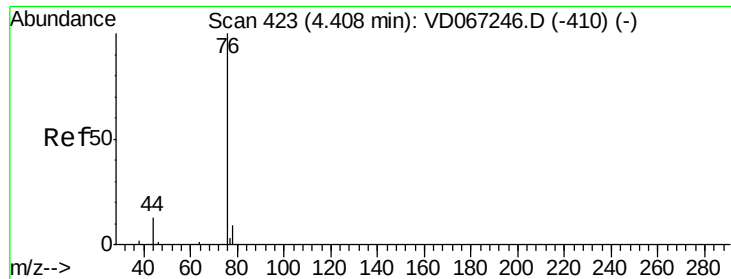
43 100

58 30.4 26.1 39.1



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

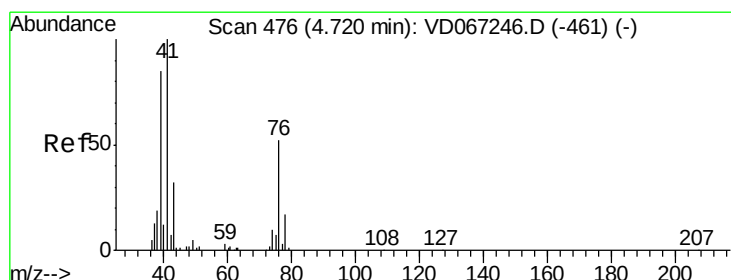
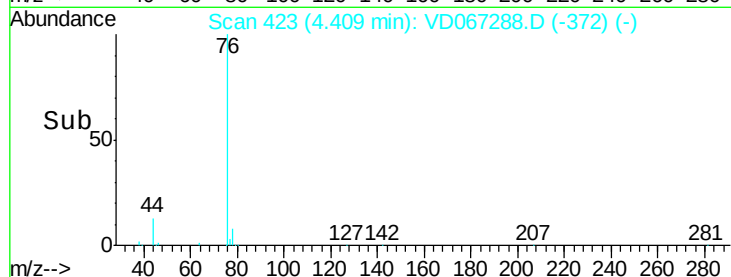
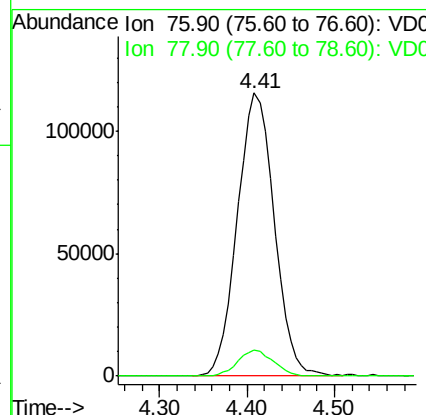
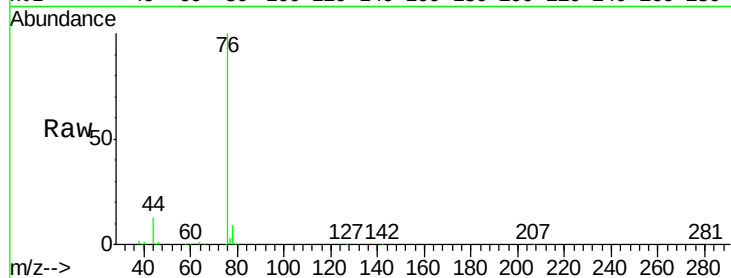




#17
Carbon Disulfide
Concen: 44.233 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

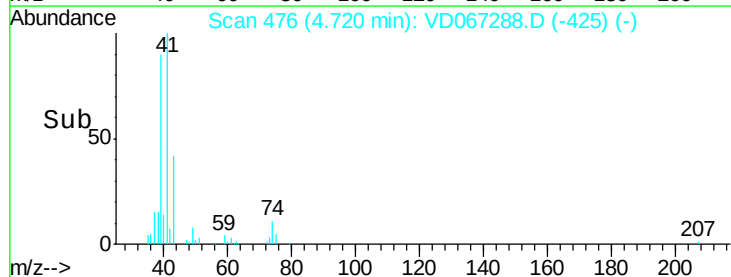
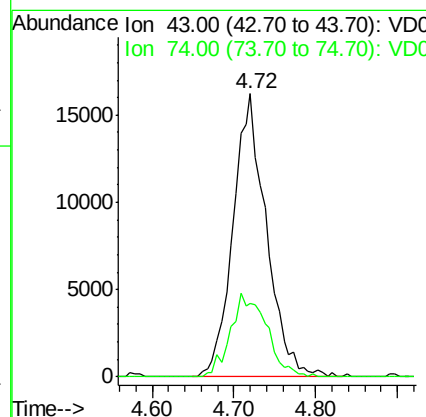
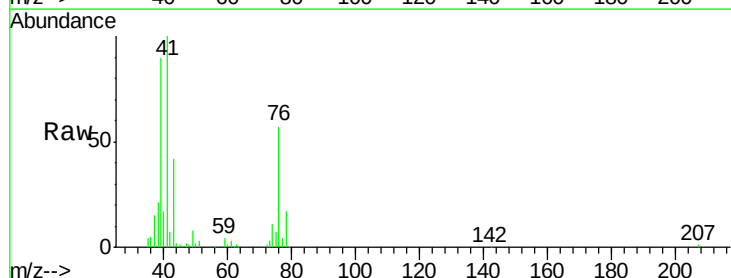
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

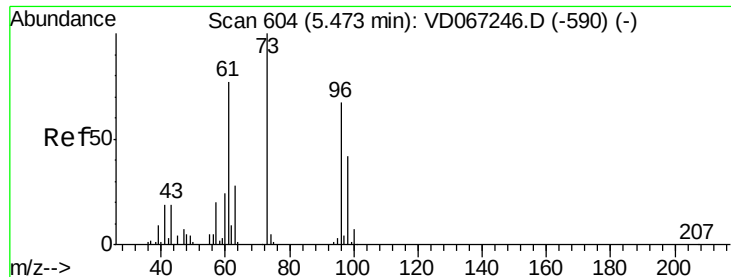
Tot Ion: 76 Resp: 331574
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 45.124 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 43 Resp: 46009
Ion Ratio Lower Upper
43 100
74 31.8 26.6 39.8

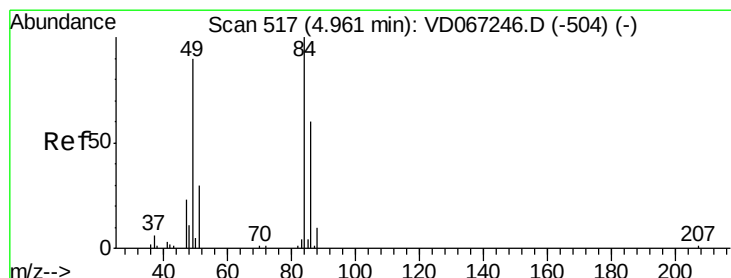
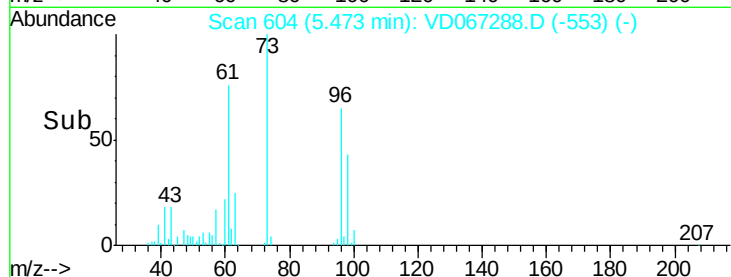
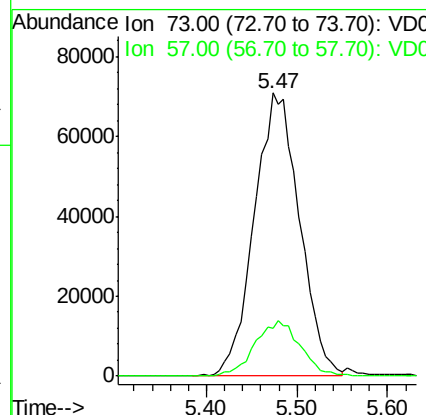
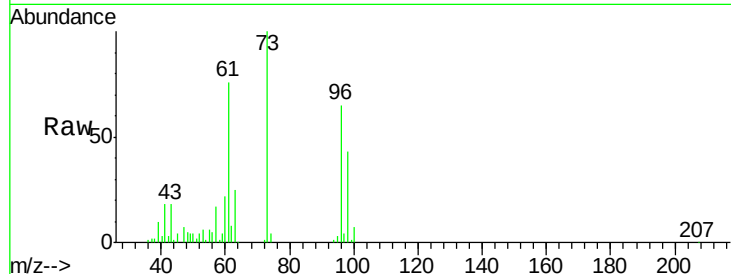




#19
Methyl tert-butyl Ether
Concen: 47.186 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

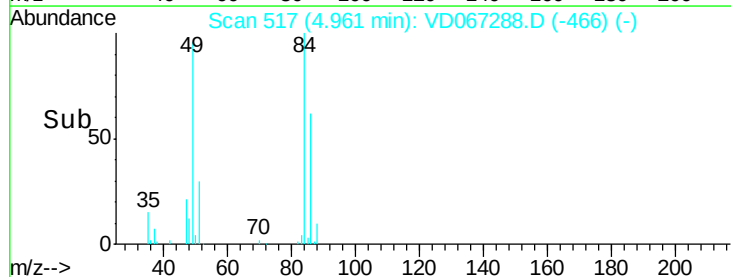
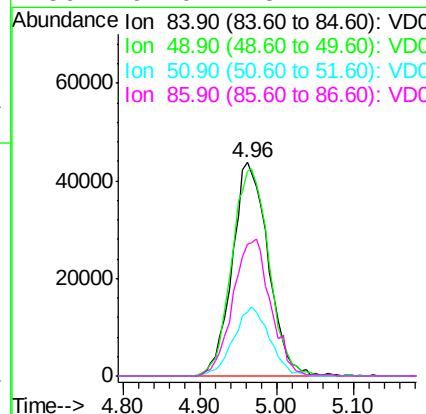
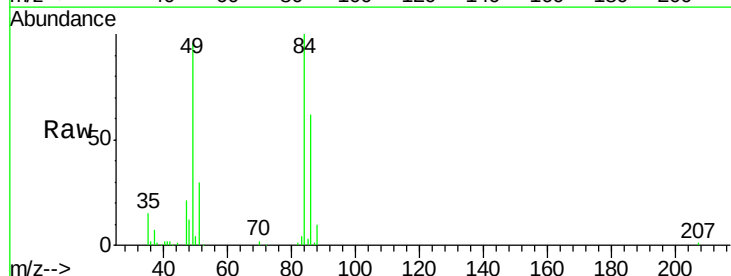
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

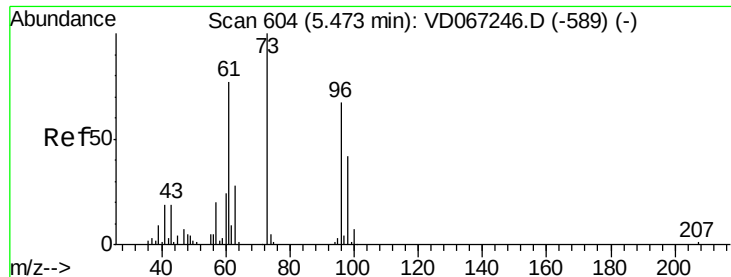
Tot Ion: 73 Resp: 246708
Ion Ratio Lower Upper
73 100
57 17.0 15.7 23.5



#20
Methylene Chloride
Concen: 49.829 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 84 Resp: 142725
Ion Ratio Lower Upper
84 100
49 96.1 72.2 108.2
51 29.8 23.8 35.8
86 62.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 46.865 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

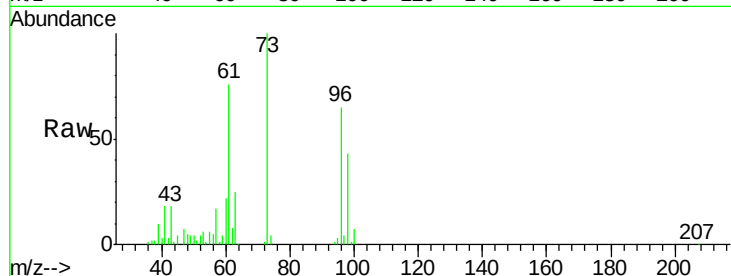
Tot Ion: 96 Resp: 141810

Ion Ratio Lower Upper

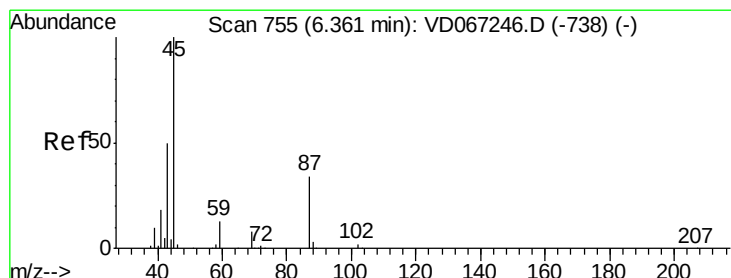
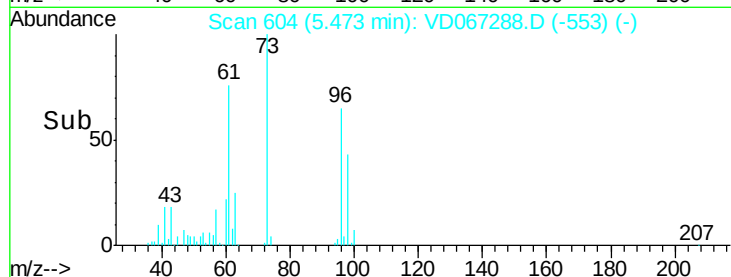
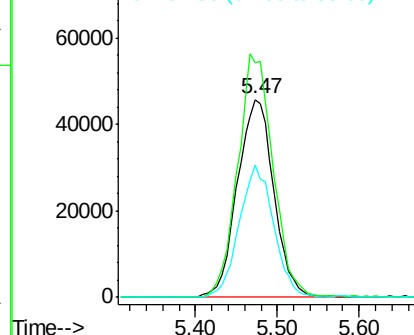
96 100

61 118.4 92.0 138.0

98 66.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 49.175 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Tgt Ion: 45 Resp: 270505

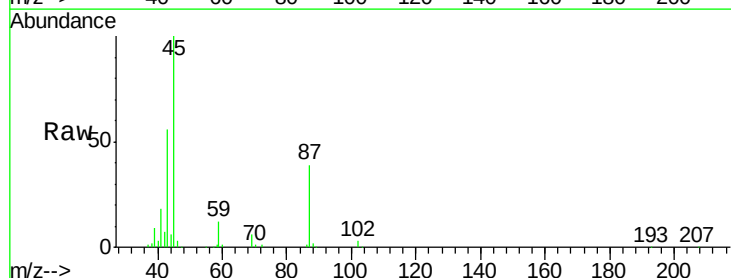
Ion Ratio Lower Upper

45 100

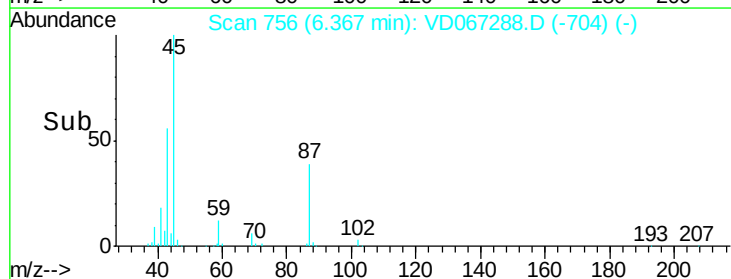
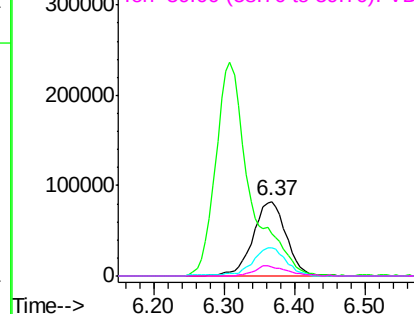
43 54.9 48.0 72.0

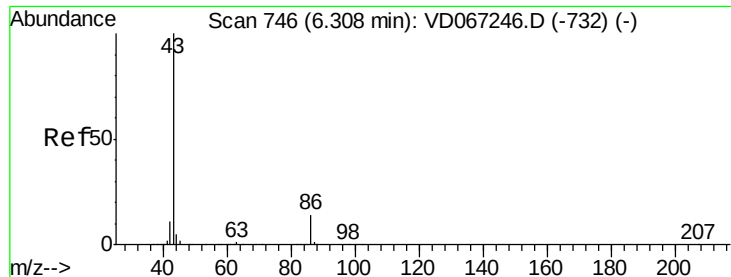
87 38.7 28.5 42.7

59 12.0 10.5 15.7



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





#23

Vinyl Acetate

Concen: 254.112 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleID :

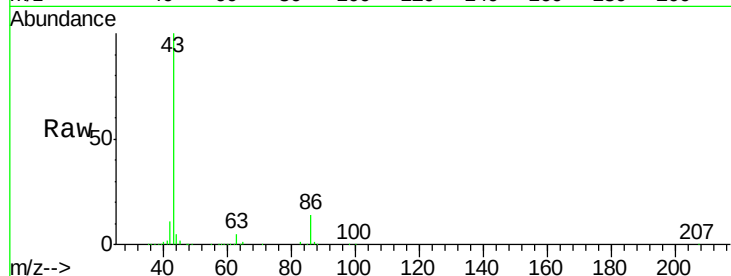
VSTDCCC050EC

Tot Ion: 43 Resp: 795250

Ion Ratio Lower Upper

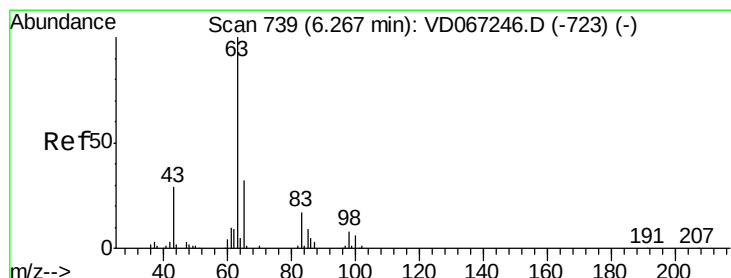
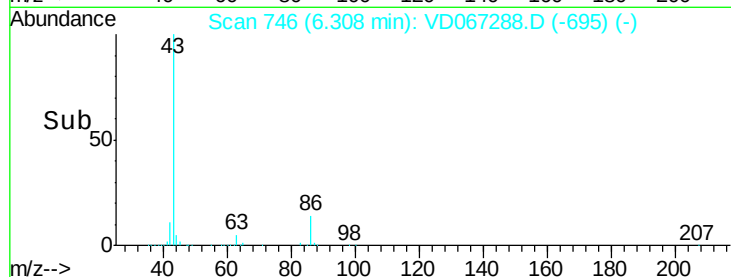
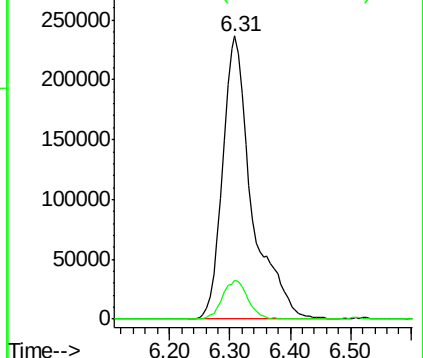
43 100

86 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.758 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

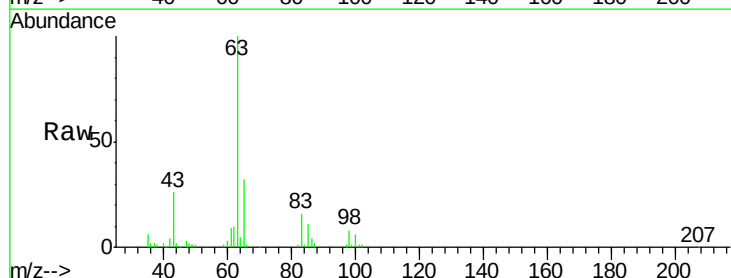
Tgt Ion: 63 Resp: 220170

Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.2

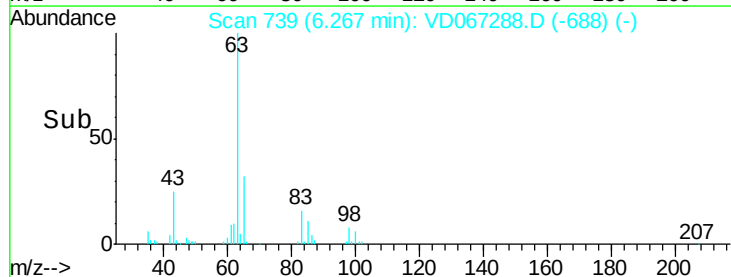
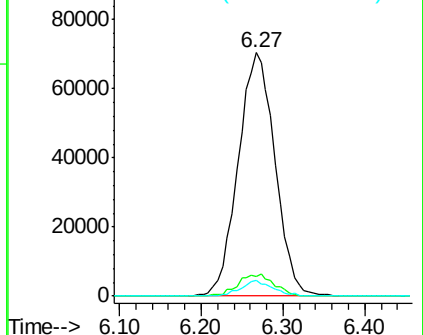
100 6.3 2.8 8.4

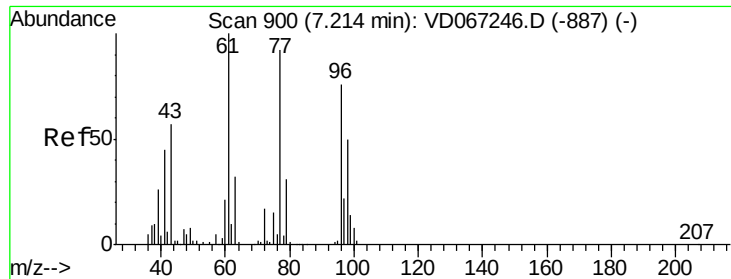


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 242.318 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

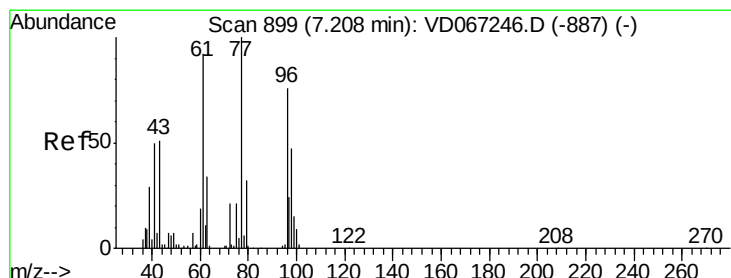
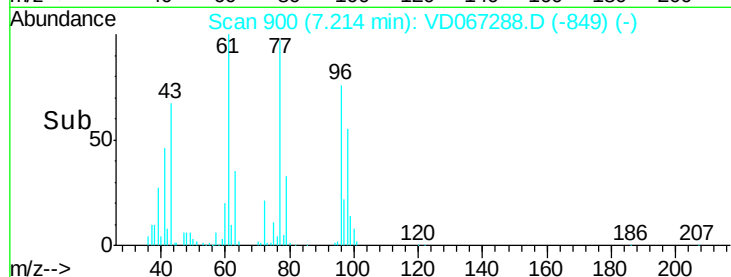
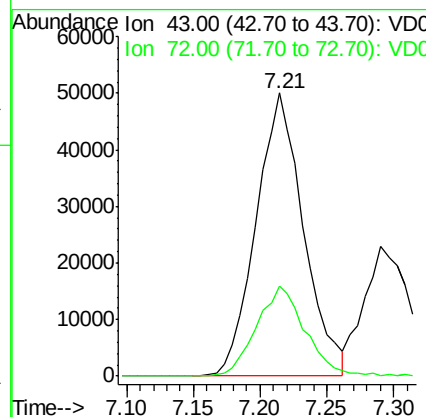
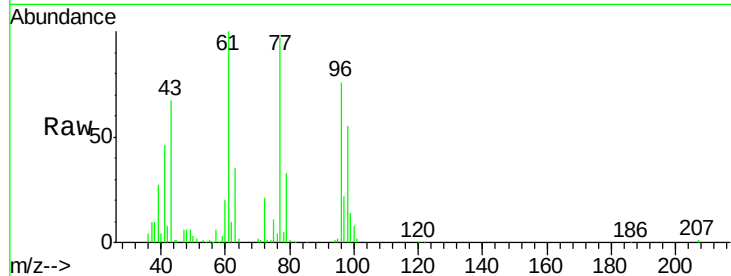
VSTDCCC050EC

Tot Ion: 43 Resp: 123477

Ion Ratio Lower Upper

43 100

72 31.8 23.7 35.5



#26

2,2-Dichloropropane

Concen: 45.336 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067288.D

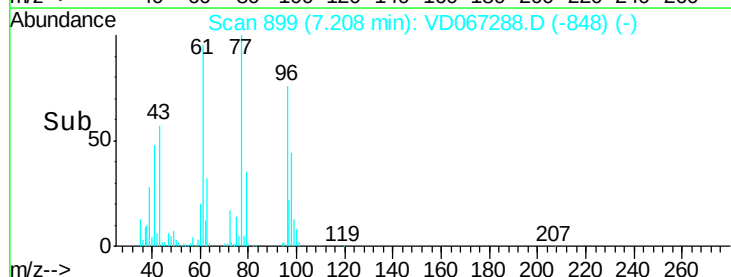
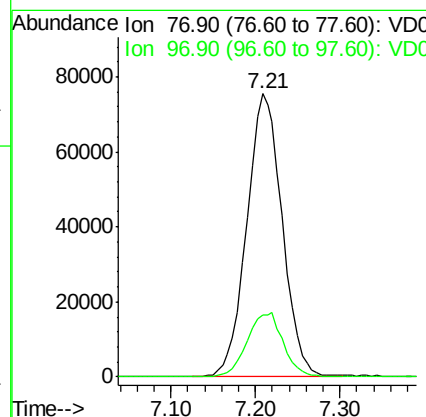
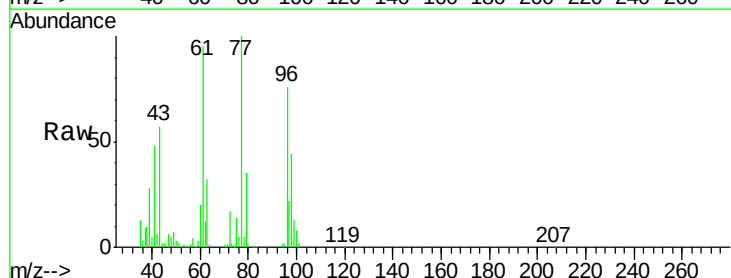
Acq: 15 Oct 2020 17:23

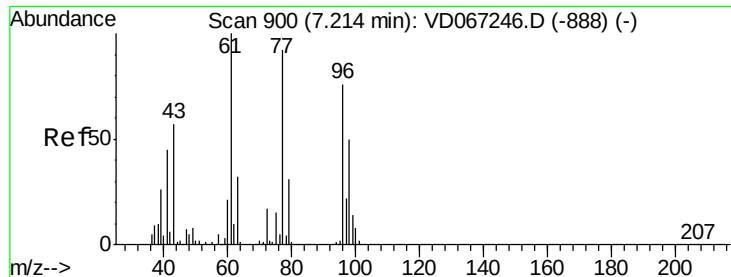
Tgt Ion: 77 Resp: 220036

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2

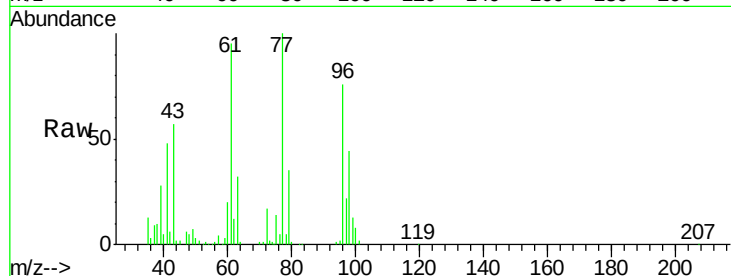




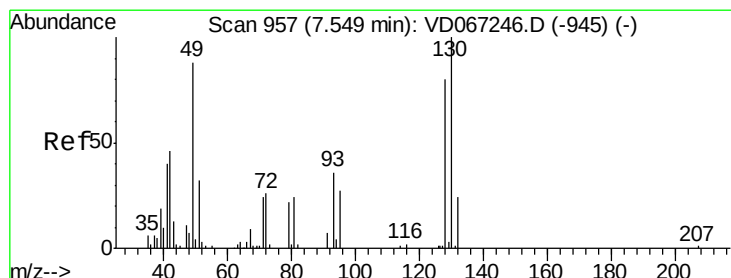
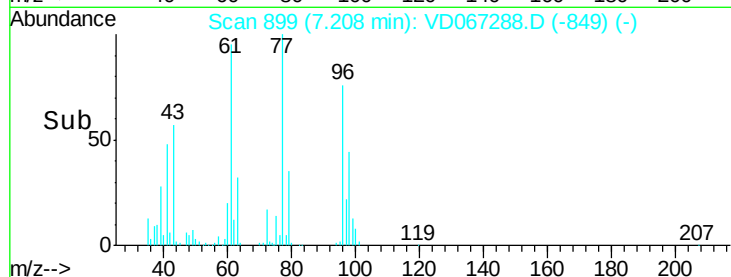
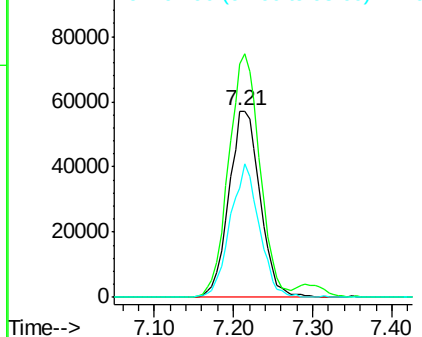
#27
 cis-1,2-Dichloroethene
 Concen: 46.844 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 155351
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 255.4
 98 66.8 0.0 128.0

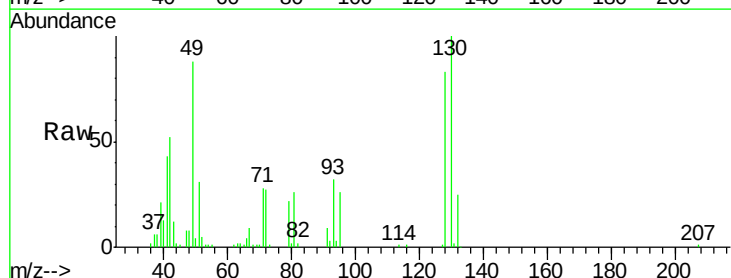


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

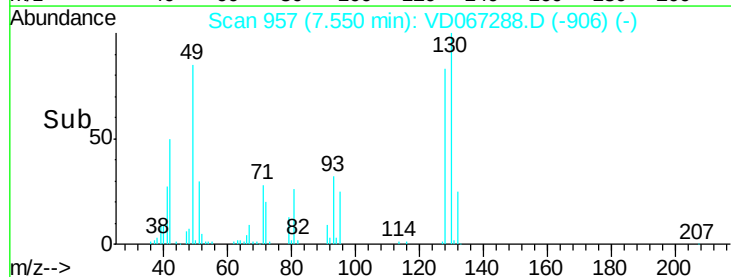
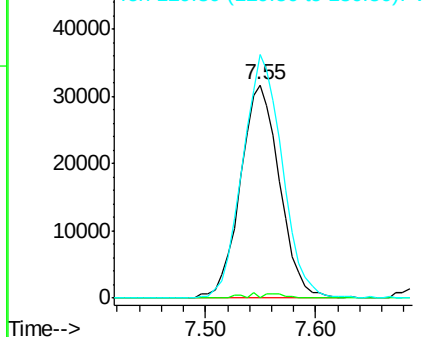


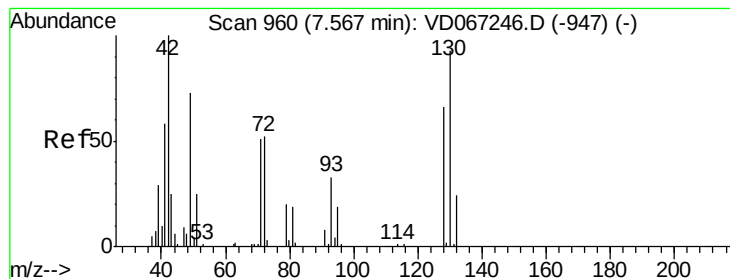
#28
 Bromochloromethane
 Concen: 49.191 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 49 Resp: 79006
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.6
 130 115.5 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 240.234 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

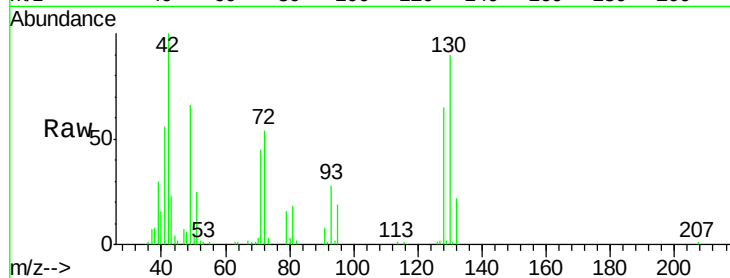
Tot Ion: 42 Resp: 68048

Ion Ratio Lower Upper

42 100

72 54.5 43.2 64.8

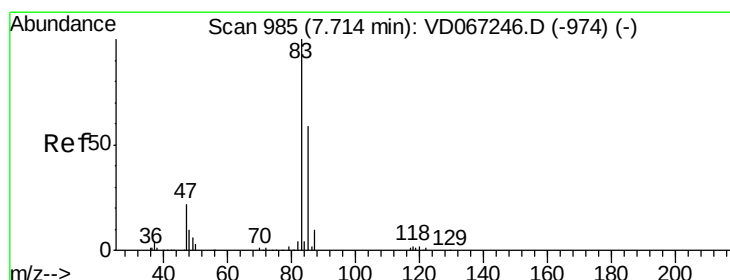
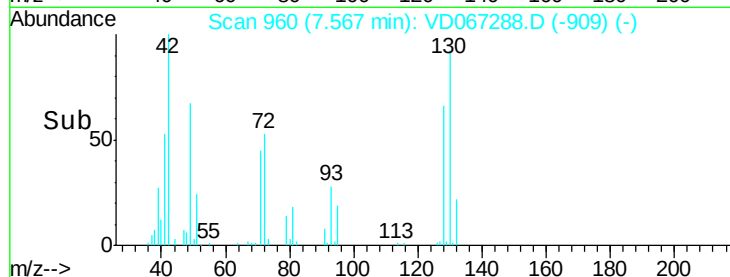
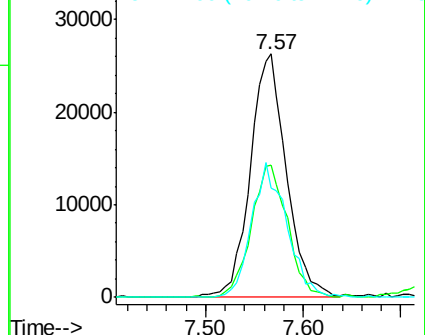
71 54.0 39.4 59.0



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: 47.549 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067288.D

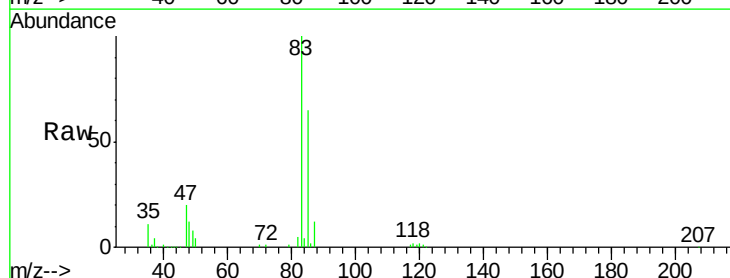
Acq: 15 Oct 2020 17:23

Tgt Ion: 83 Resp: 267465

Ion Ratio Lower Upper

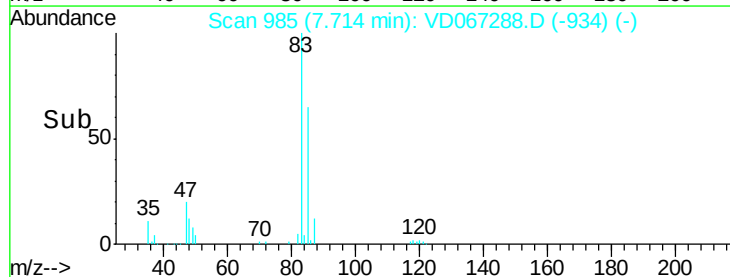
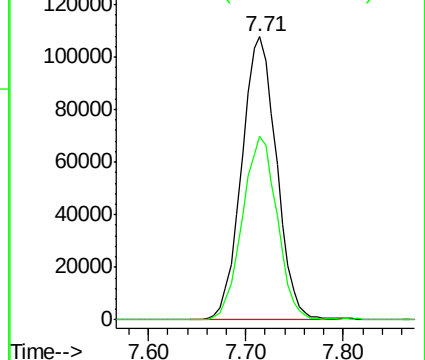
83 100

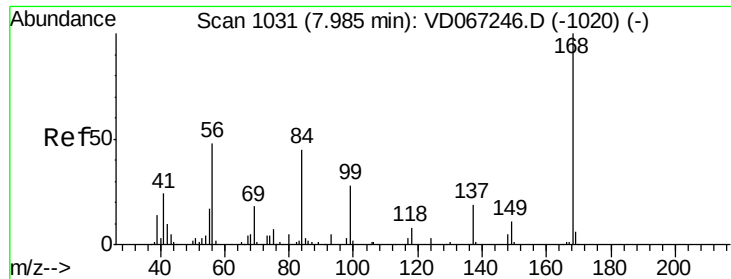
85 64.9 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

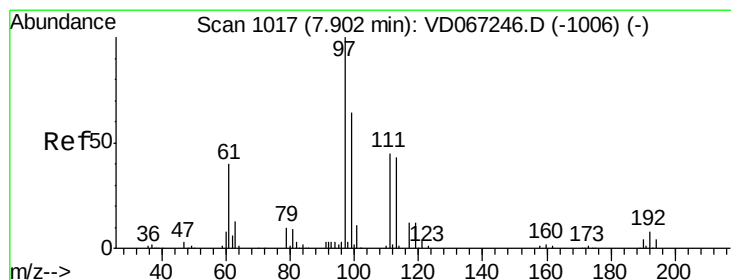
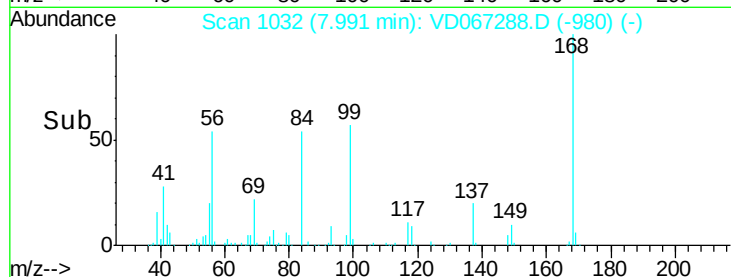
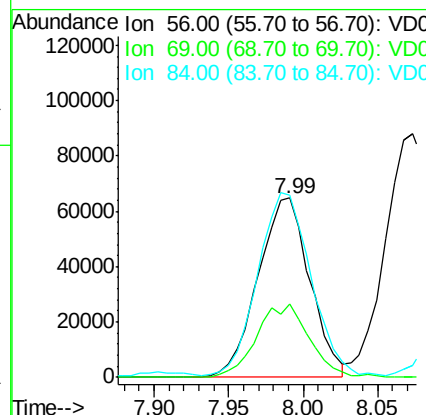
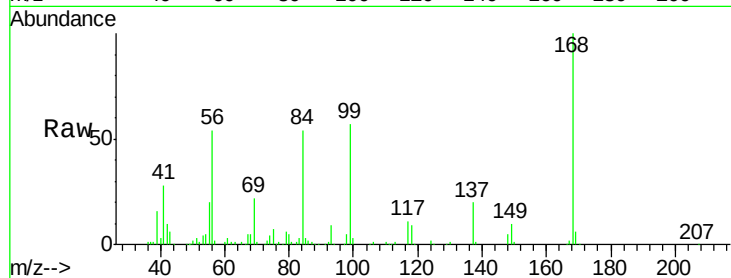




#31
Cyclohexane
Concen: 42.521 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

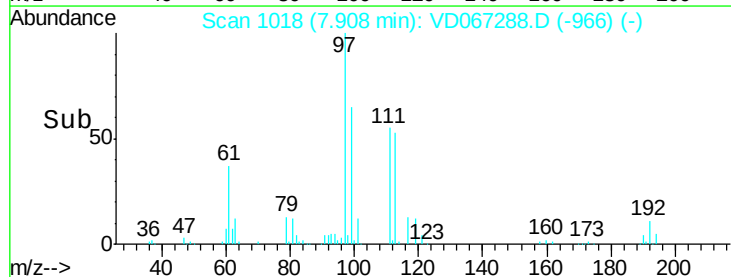
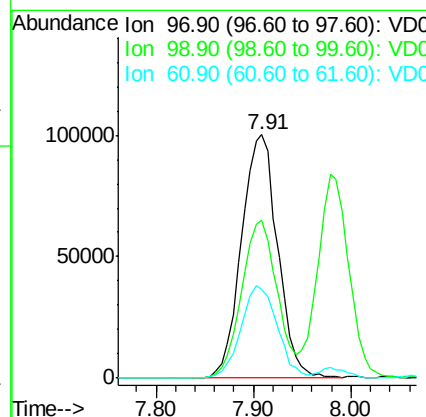
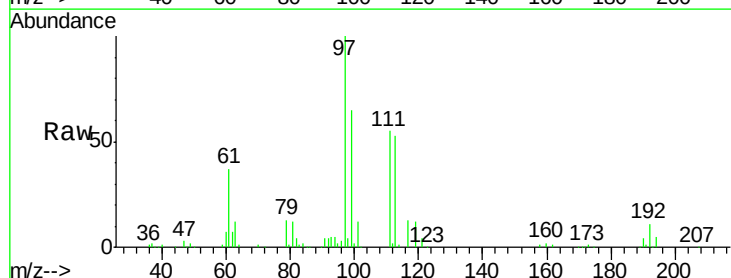
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

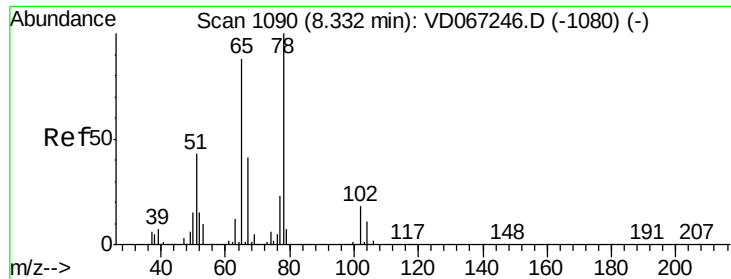
Tot Ion: 56 Resp: 156324
Ion Ratio Lower Upper
56 100
69 40.4 29.8 44.6
84 100.1 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 46.723 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 97 Resp: 257867
Ion Ratio Lower Upper
97 100
99 63.7 50.2 75.4
61 38.2 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 47.852 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

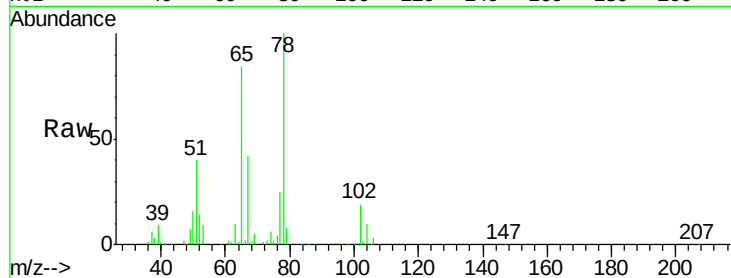
VSTDCCC050EC

Tot Ion: 65 Resp: 152740

Ion Ratio Lower Upper

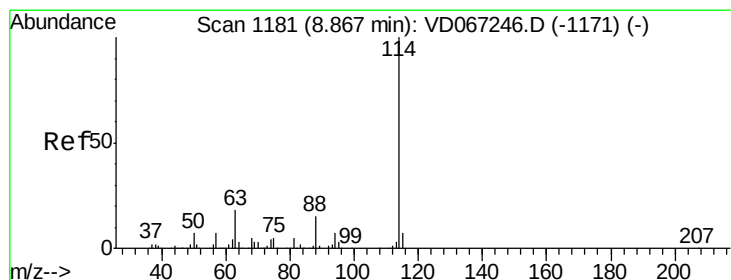
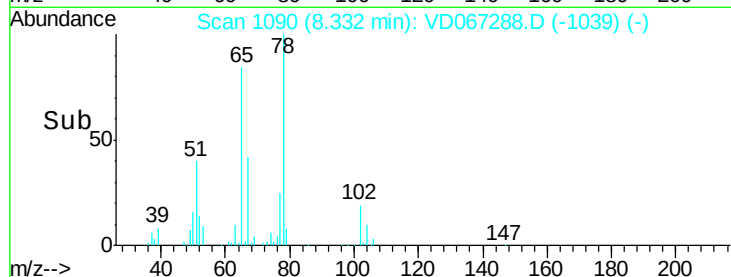
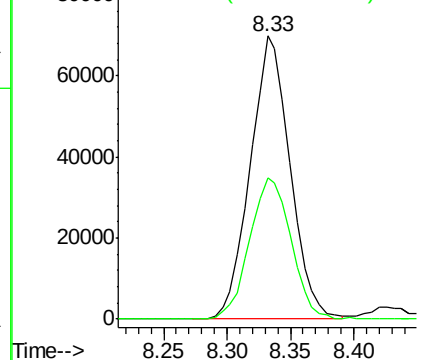
65 100

67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

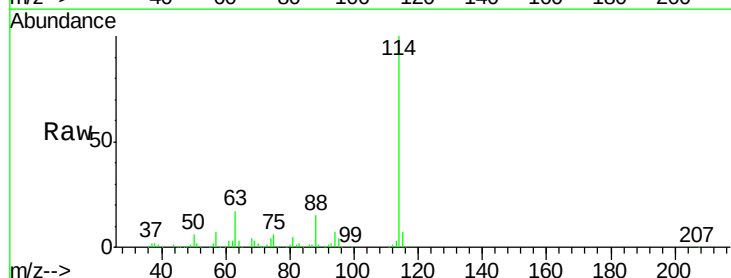
Tgt Ion: 114 Resp: 476404

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

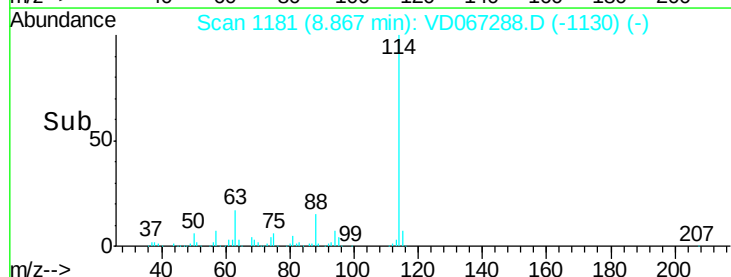
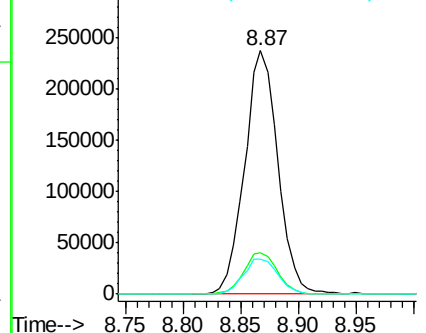
88 14.6 0.0 30.6

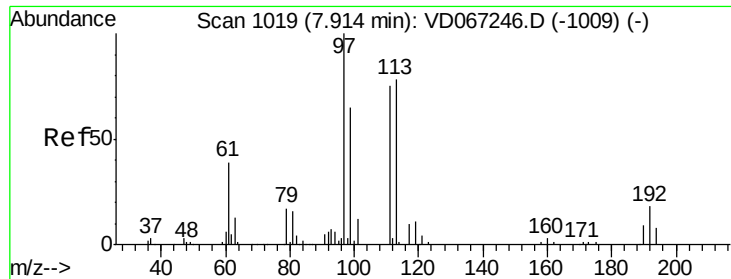


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

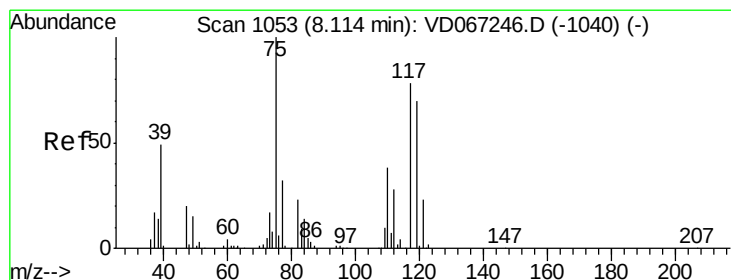
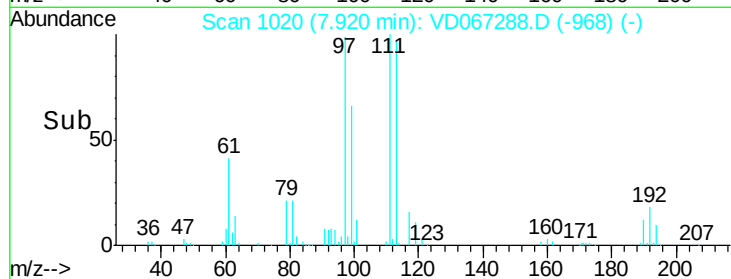
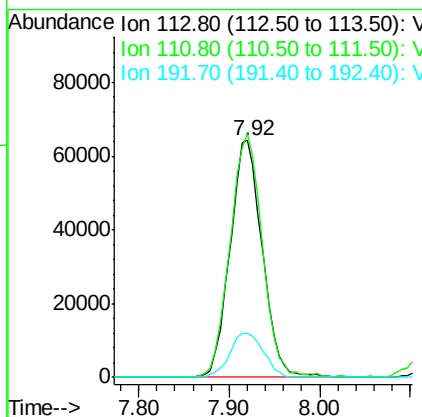
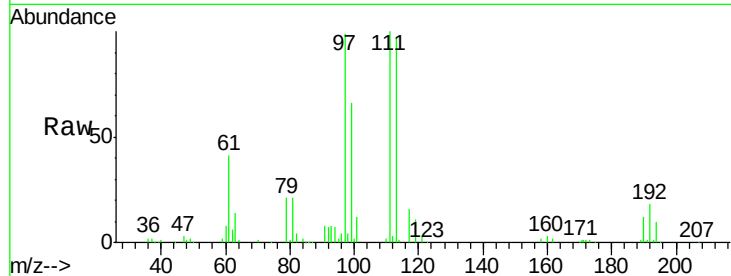




#35
 Dibromofluoromethane
 Concen: 49.981 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

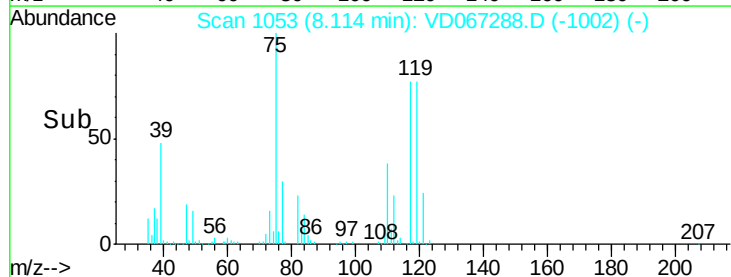
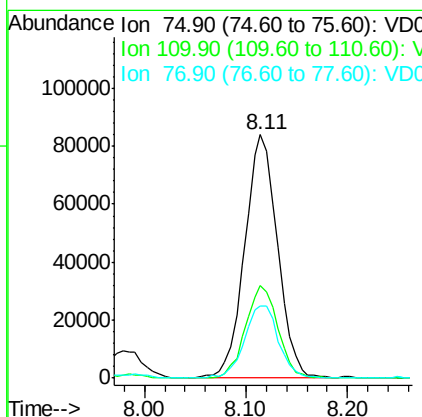
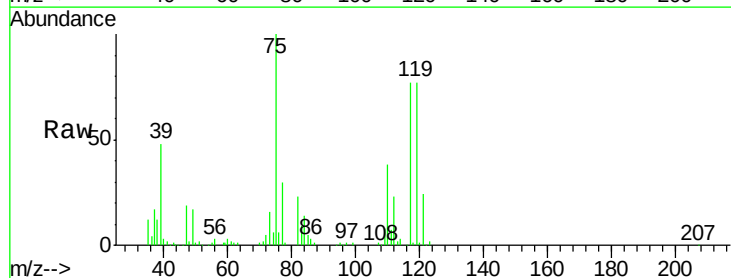
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

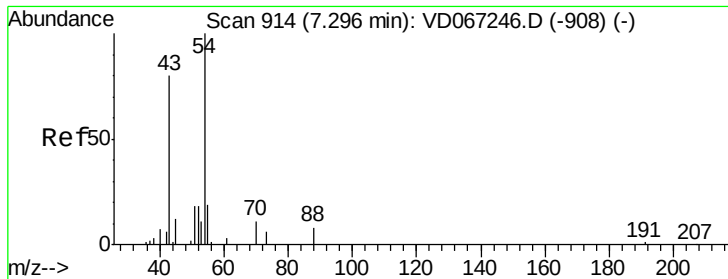
Tot Ion:113 Resp: 158462
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 19.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 46.850 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 75 Resp: 189174
 Ion Ratio Lower Upper
 75 100
 110 37.6 19.6 58.7
 77 31.1 24.6 37.0

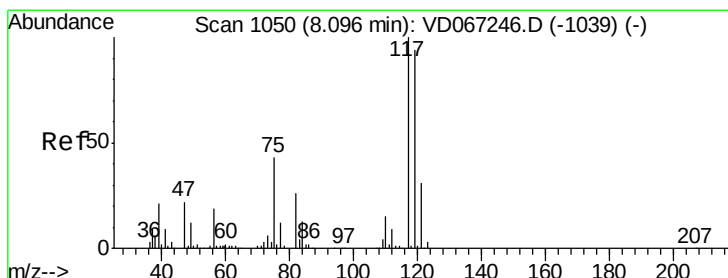
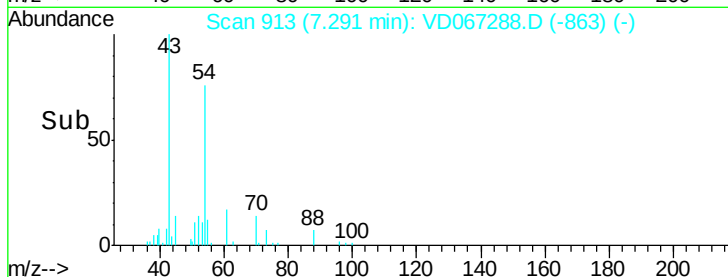
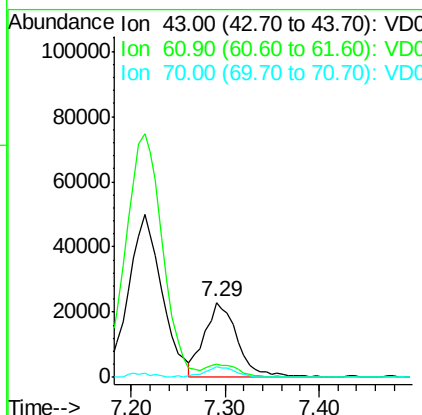
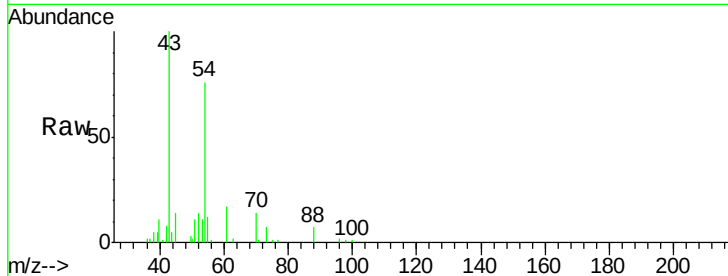




#37
Ethyl Acetate
Concen: 47.858 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

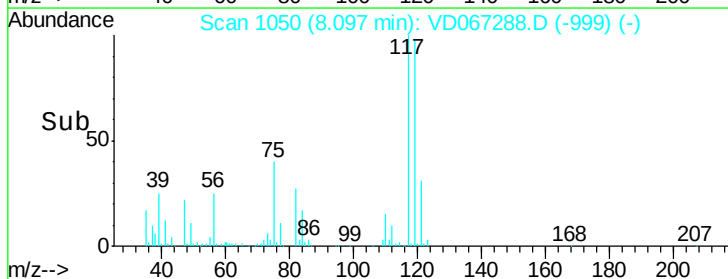
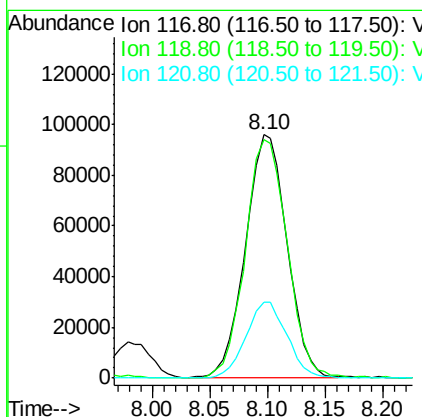
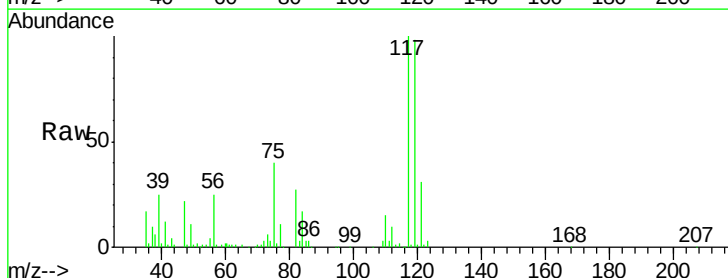
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

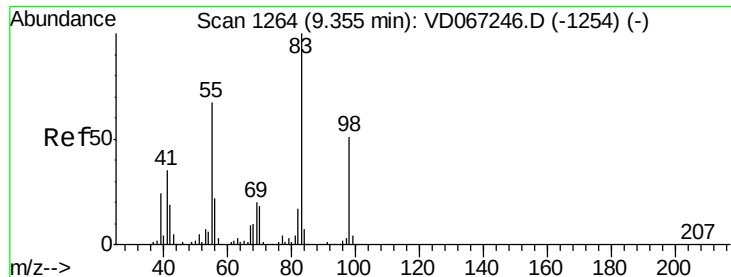
Tot Ion: 43 Resp: 56856
Ion Ratio Lower Upper
43 100
61 16.4 15.6 23.4
70 13.6 10.4 15.6



#38
Carbon Tetrachloride
Concen: 46.837 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 117 Resp: 241714
Ion Ratio Lower Upper
117 100
119 97.8 75.0 112.4
121 30.9 24.9 37.3

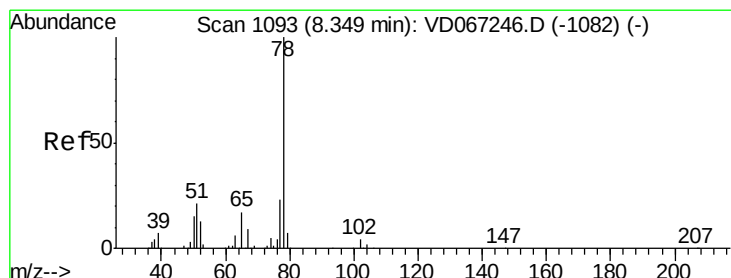
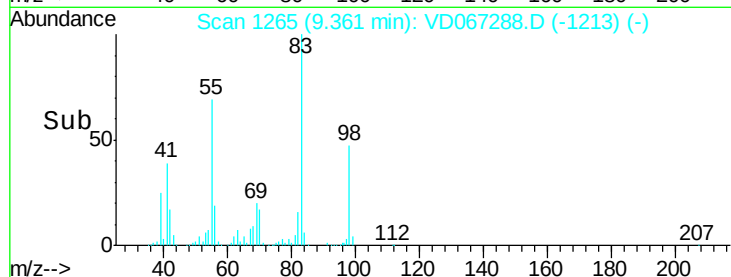
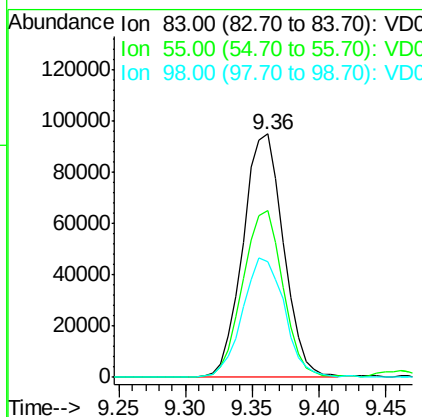
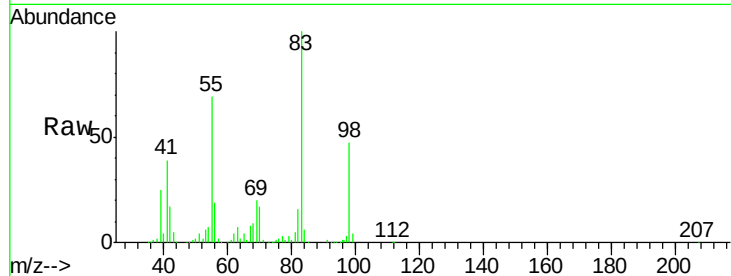




#39
Methylvlcyclohexane
Concen: 47.455 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

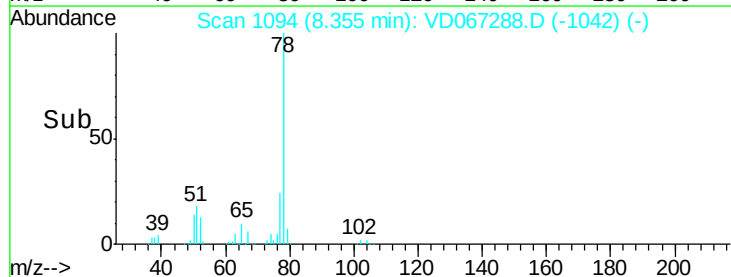
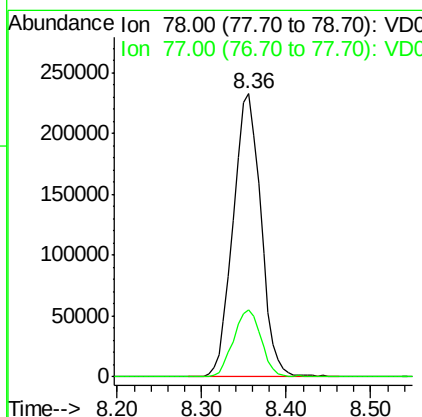
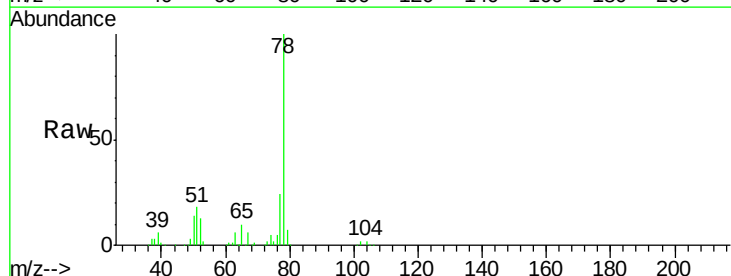
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

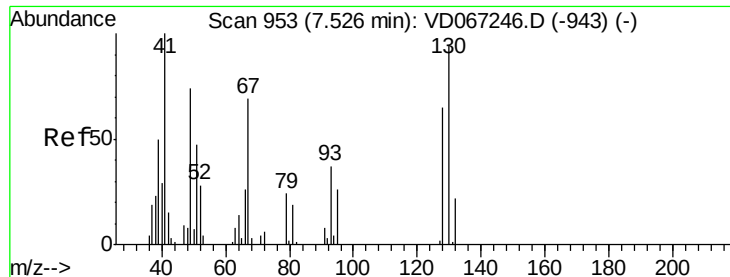
Tot Ion: 83 Resp: 200318
Ion Ratio Lower Upper
83 100
55 68.6 53.3 79.9
98 47.4 41.0 61.4



#40
Benzene
Concen: 47.643 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 78 Resp: 527757
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5

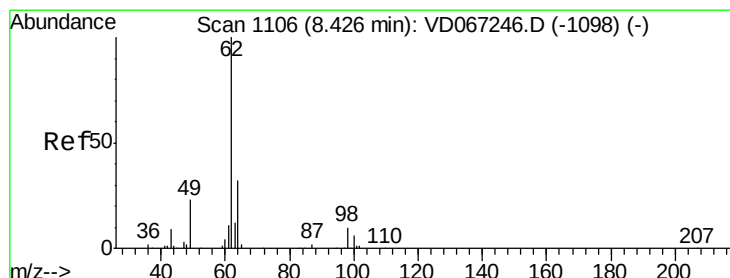
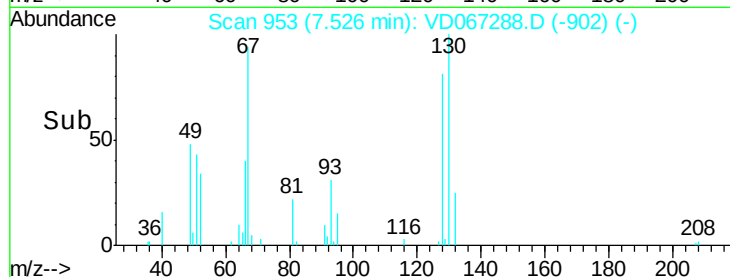
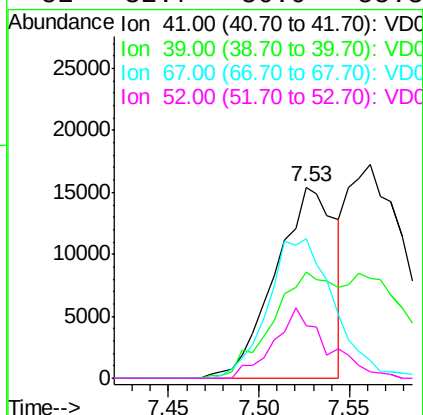
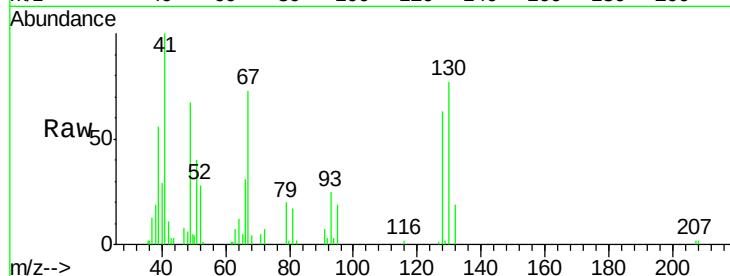




#41
Methacrylonitrile
Concen: 55.399 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

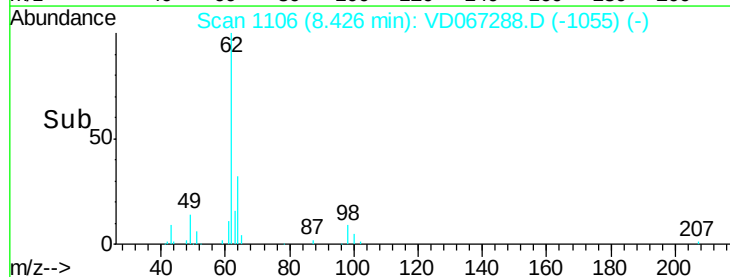
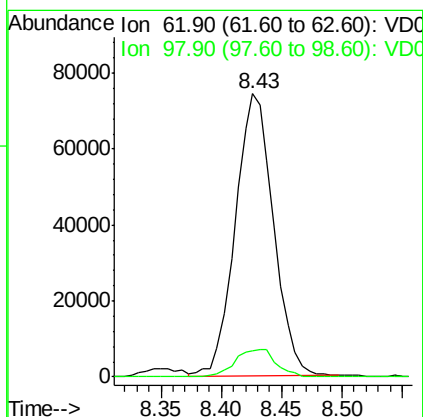
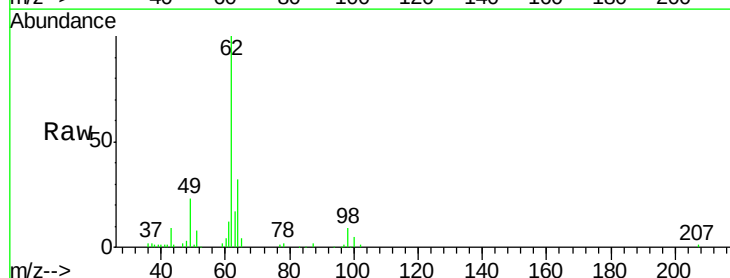
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

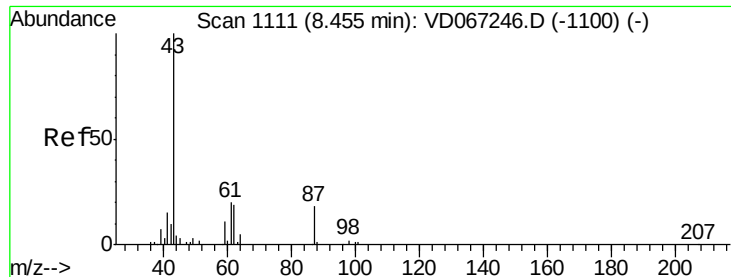
Tot Ion:	41	Resp:	35565
Ion	Ratio	Lower	Upper
41	100		
39	58.7	60.0	90.0#
67	81.0	88.9	133.3#
52	32.7	36.9	55.3#



#42
1,2-Dichloroethane
Concen: 47.280 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion:	62	Resp:	163904
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 46.796 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

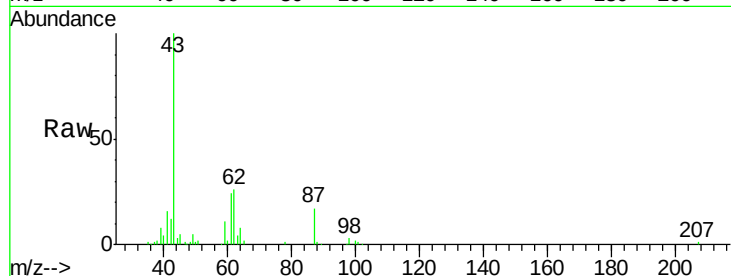
Tot Ion: 43 Resp: 110313

Ion Ratio Lower Upper

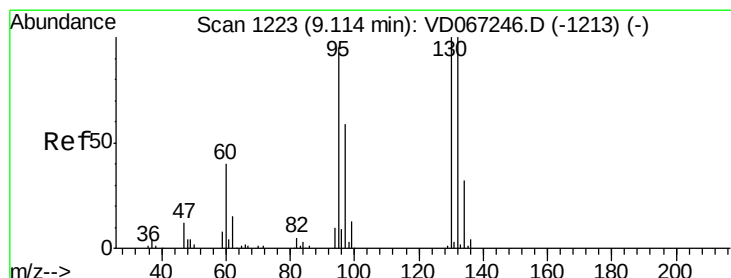
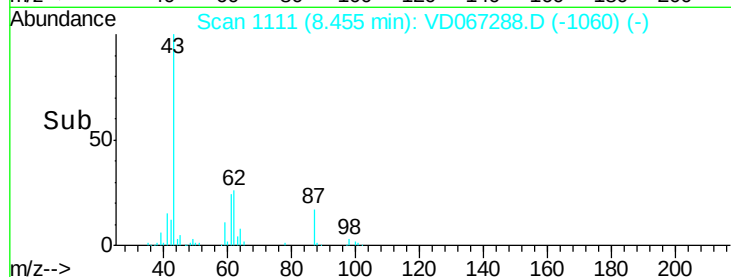
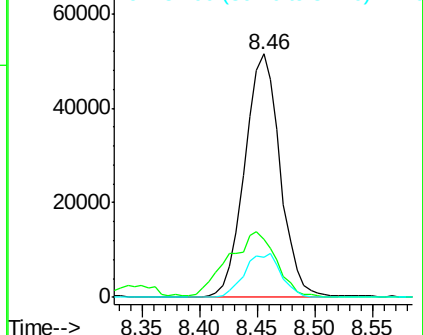
43 100

61 36.6 29.5 44.3

87 18.5 14.2 21.4



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: 46.827 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067288.D

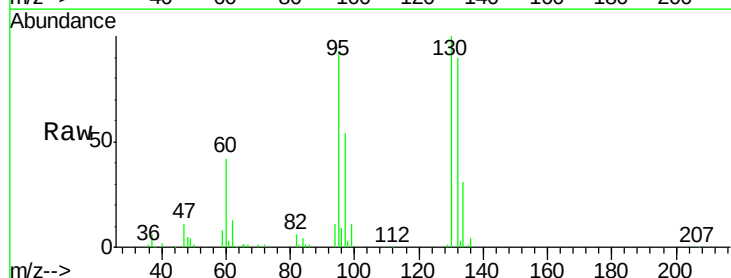
Acq: 15 Oct 2020 17:23

Tgt Ion:130 Resp: 166081

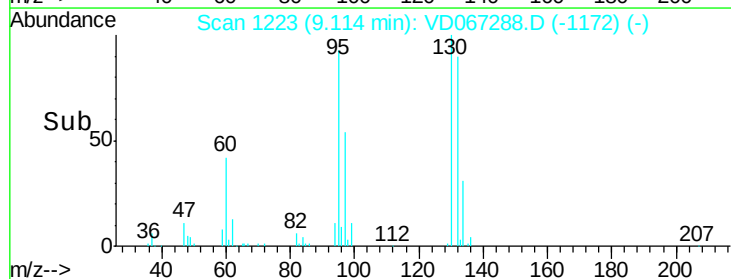
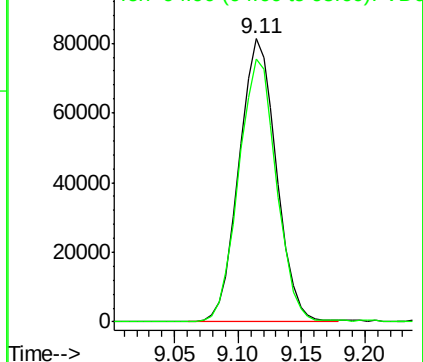
Ion Ratio Lower Upper

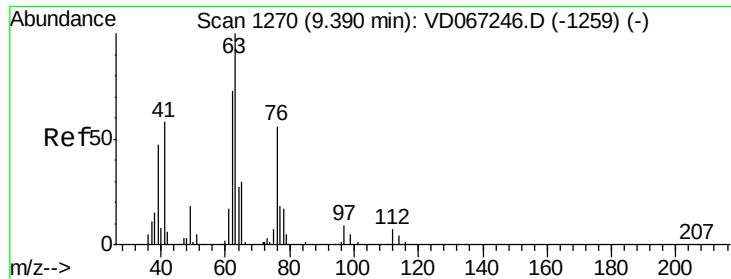
130 100

95 93.1 0.0 190.6



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

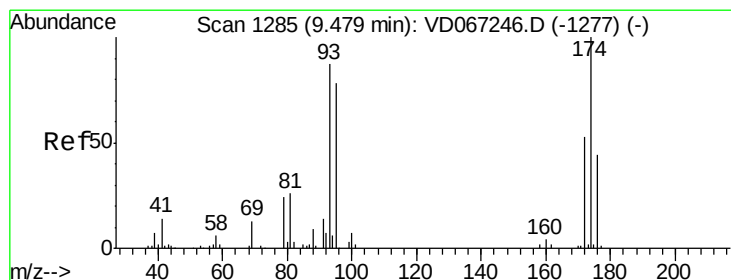
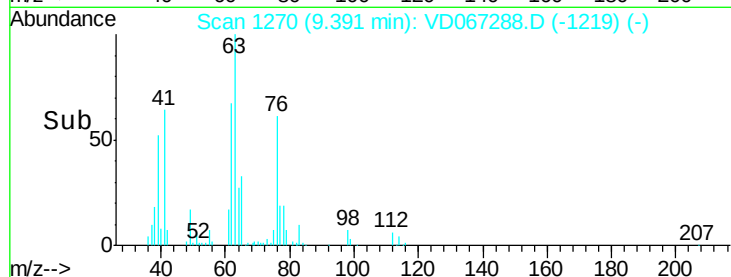
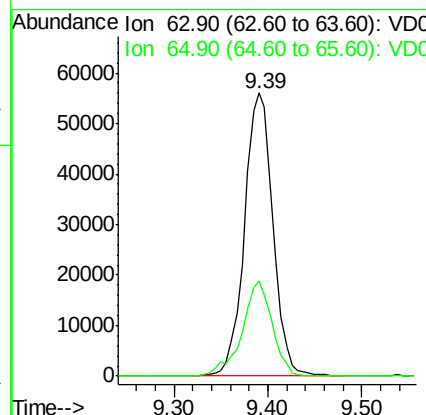
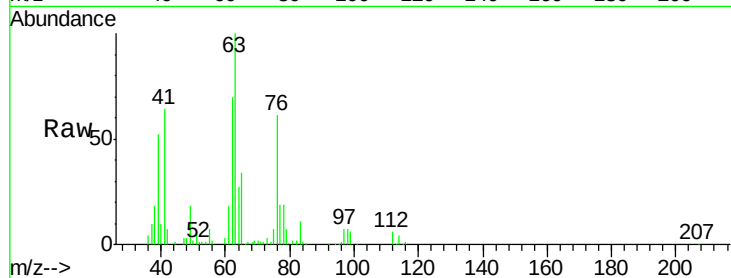




#45
 1,2-Dichloropropane
 Concen: 45.733 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

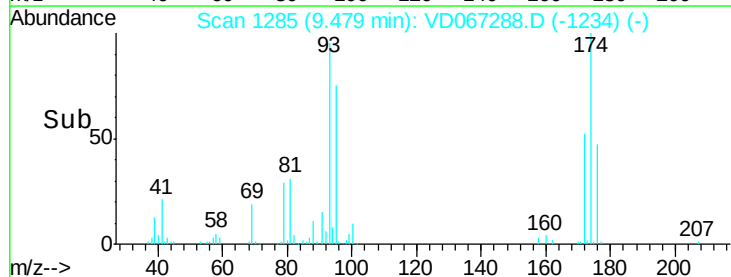
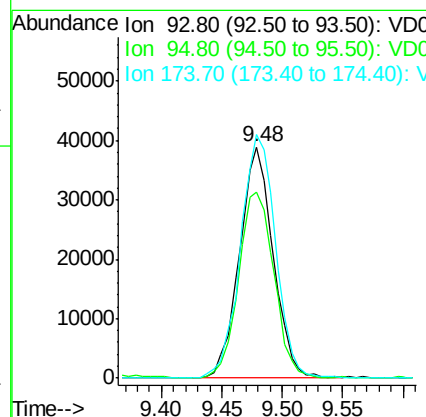
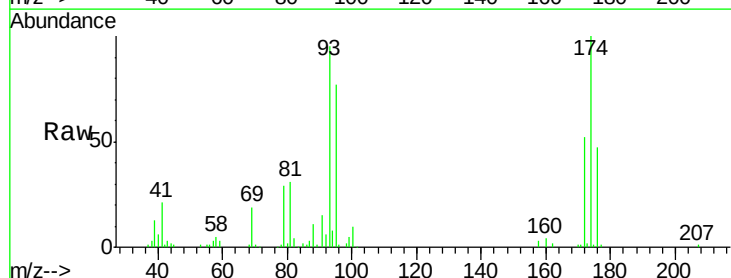
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

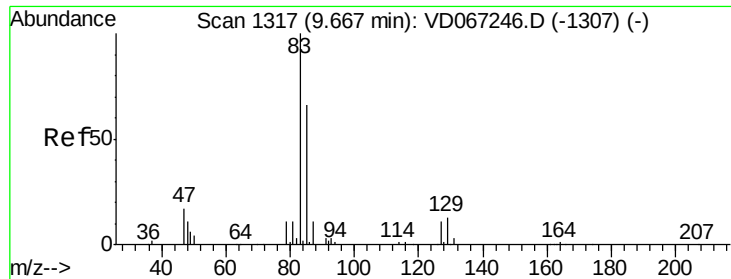
Tot Ion: 63 Resp: 117410
 Ion Ratio Lower Upper
 63 100
 65 33.7 24.6 36.8



#46
 Dibromomethane
 Concen: 47.314 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 93 Resp: 75681
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.0 102.0
 174 109.9 91.8 137.6

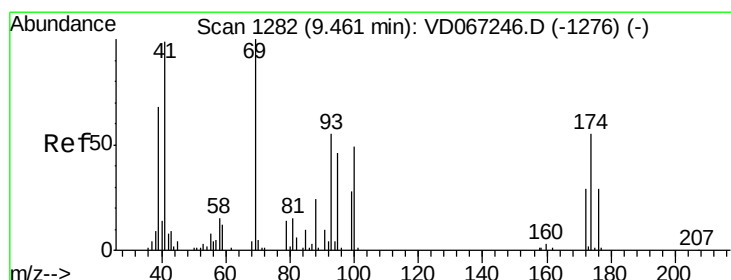
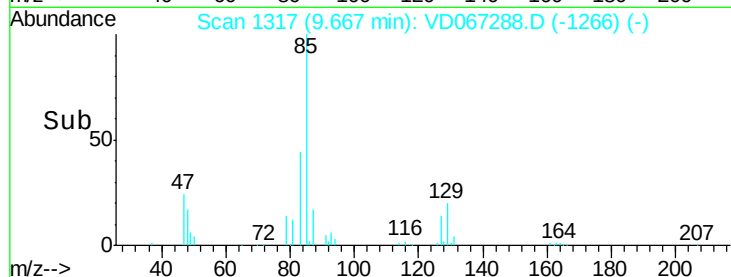
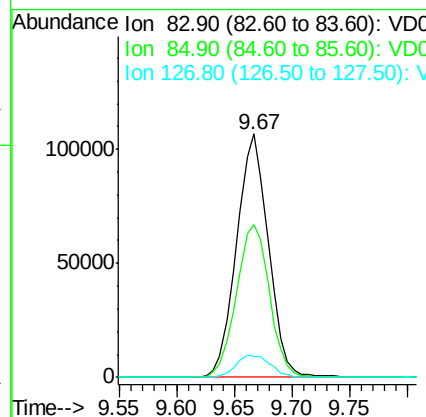
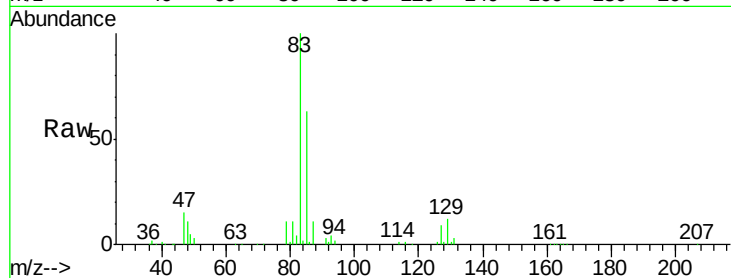




#47
Bromodichloromethane
Concen: 47.600 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

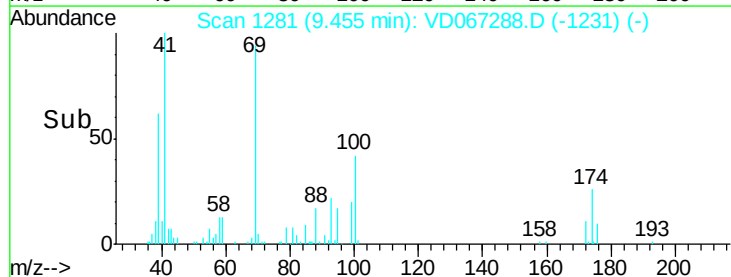
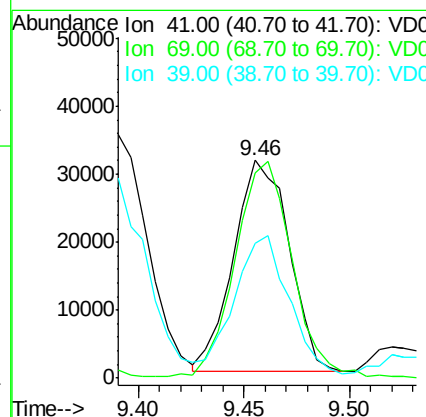
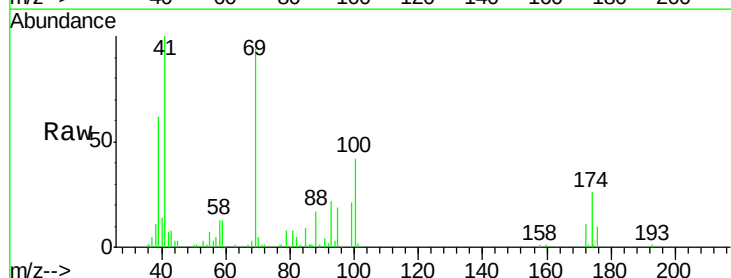
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

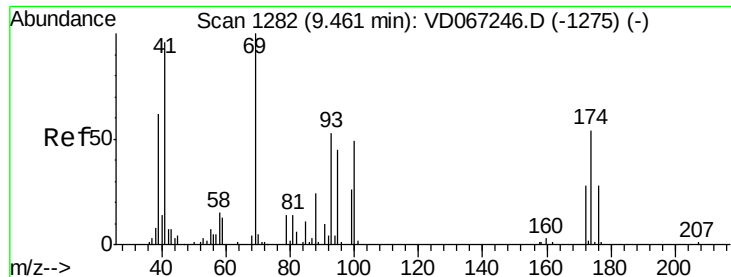
Tot Ion: 83 Resp: 203990
Ion Ratio Lower Upper
83 100
85 62.5 53.1 79.7
127 8.7 8.6 13.0



#48
Methyl methacrylate
Concen: 49.338 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 41 Resp: 56520
Ion Ratio Lower Upper
41 100
69 106.8 89.0 133.6
39 68.9 60.2 90.2

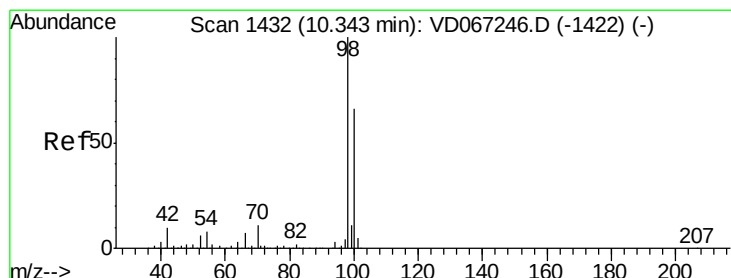
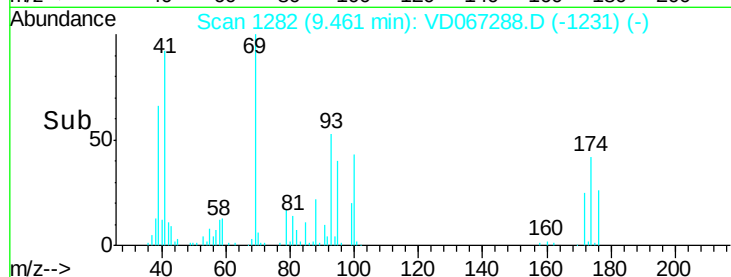
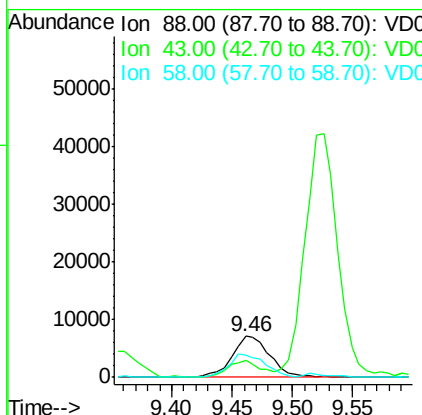
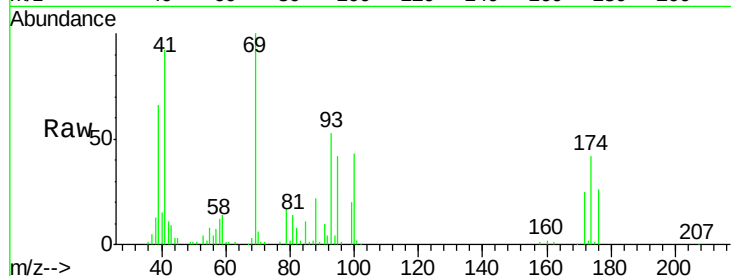




#49
 1,4-Dioxane
 Concen: 999.718 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

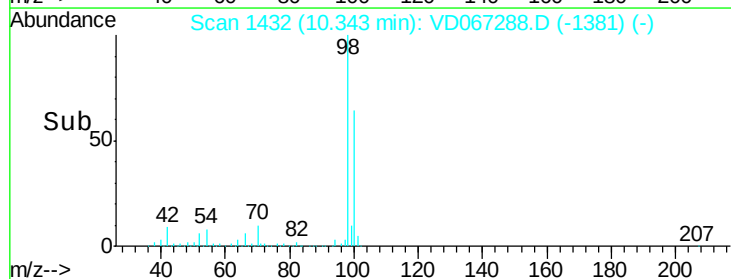
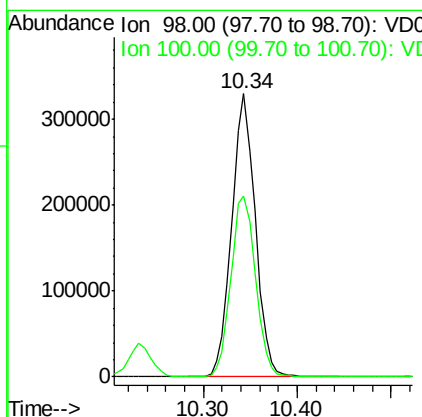
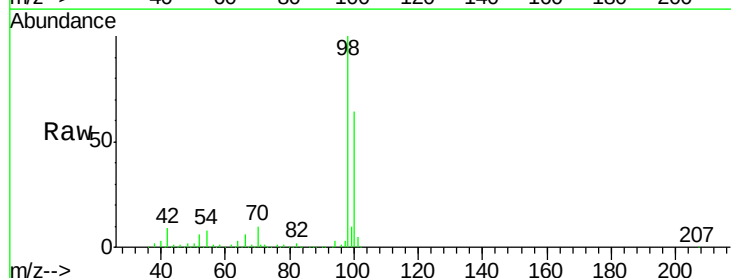
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

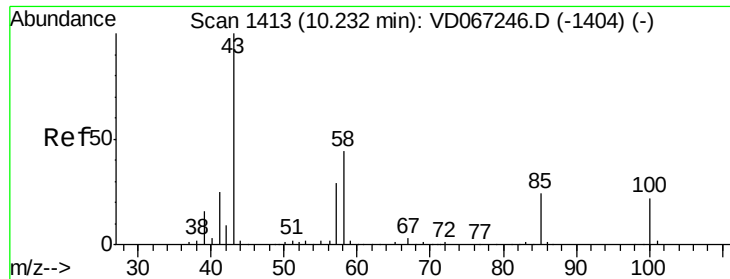
Tot Ion: 88 Resp: 15475
 Ion Ratio Lower Upper
 88 100
 43 35.8 23.9 35.9
 58 55.3 51.0 76.6



#50
 Toluene-d8
 Concen: 50.208 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 98 Resp: 576072
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 241.724 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

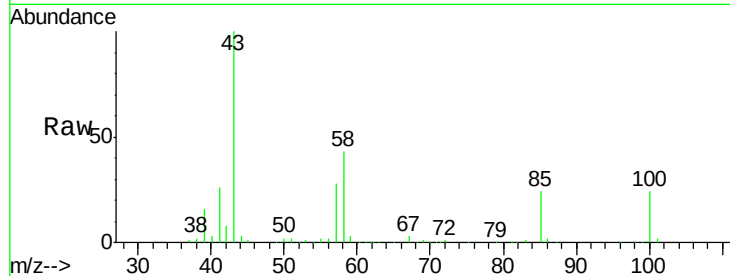
VSTDCCC050EC

Tot Ion: 43 Resp: 284208

Ion Ratio Lower Upper

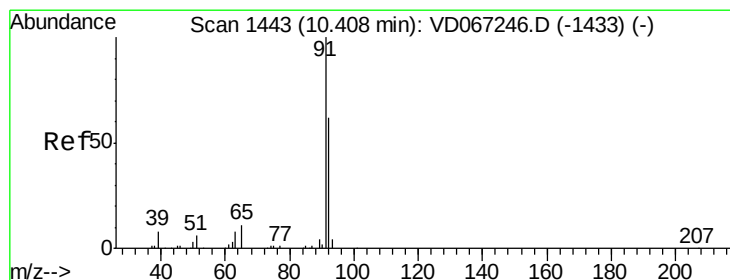
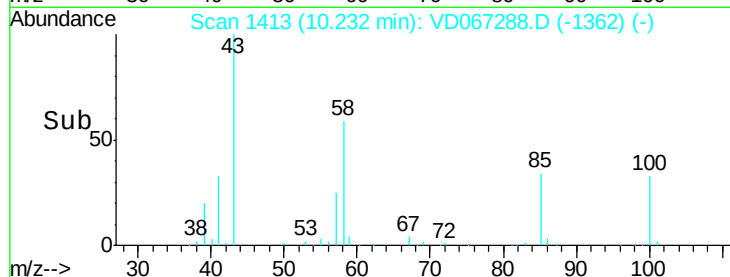
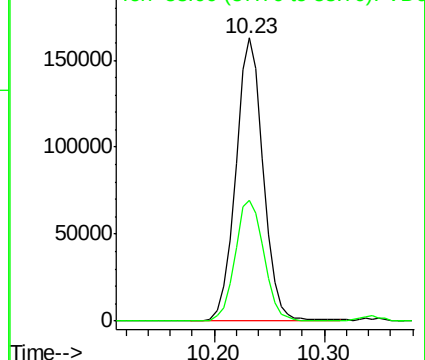
43 100

58 44.9 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.482 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067288.D

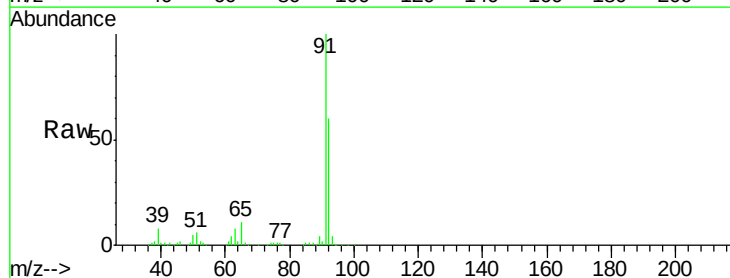
Acq: 15 Oct 2020 17:23

Tgt Ion: 92 Resp: 365791

Ion Ratio Lower Upper

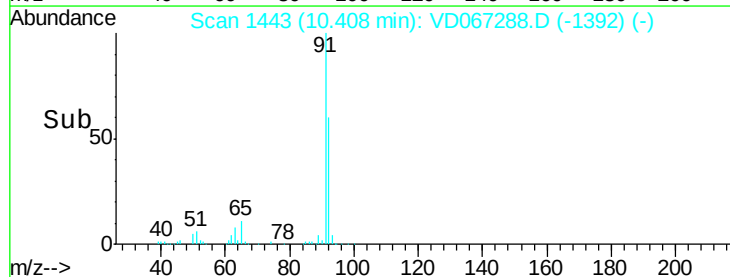
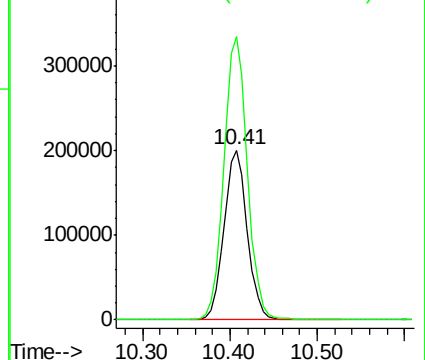
92 100

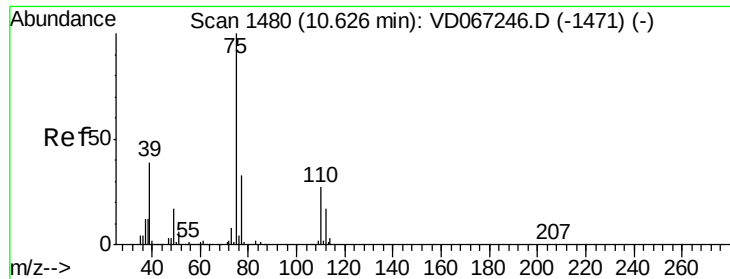
91 169.1 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 47.335 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

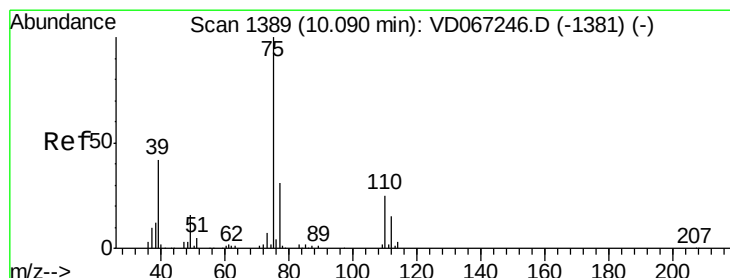
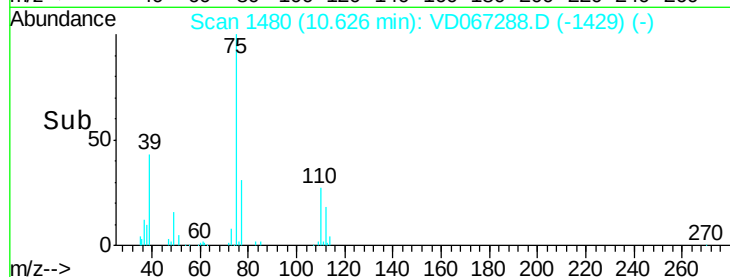
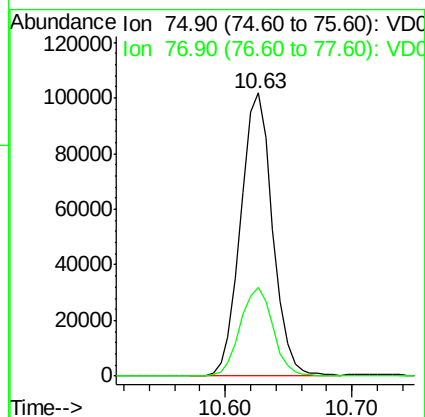
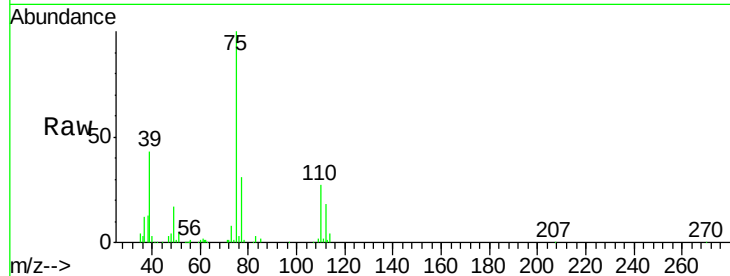
VSTDCCC050EC

Tot Ion: 75 Resp: 178200

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 48.357 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

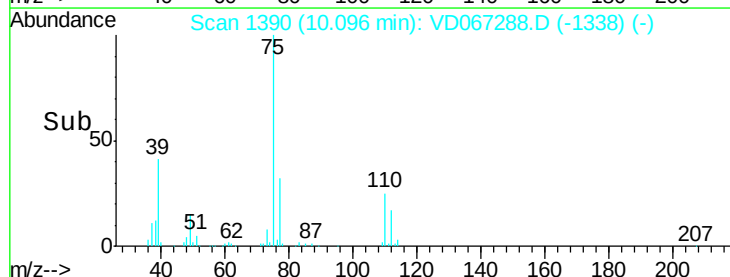
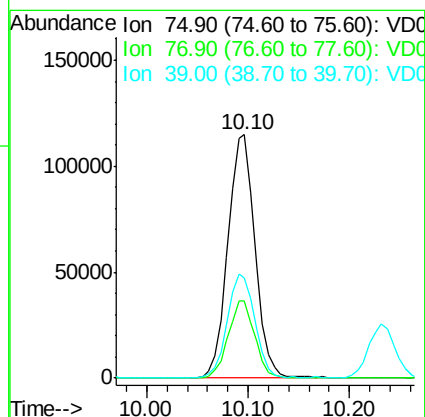
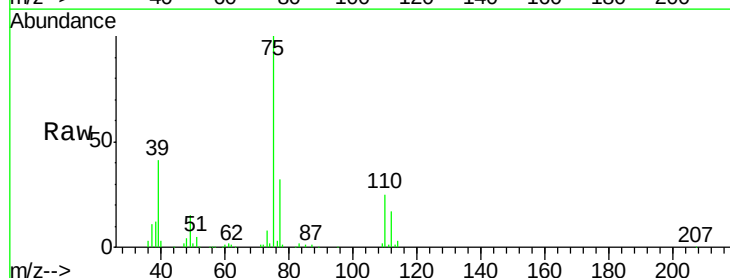
Tgt Ion: 75 Resp: 213050

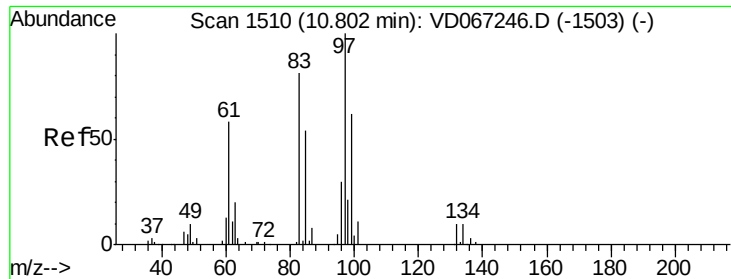
Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7

39 41.0 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 48.006 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 104710

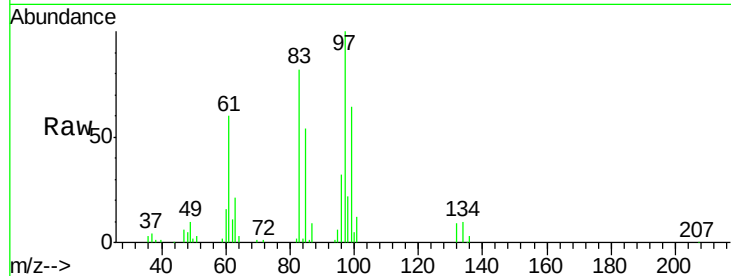
Ion	Ratio	Lower	Upper
97	100		
83	82.4	64.9	97.3
85	54.1	43.3	64.9
99	64.0	49.1	73.7

97 100

83 82.4 64.9 97.3

85 54.1 43.3 64.9

99 64.0 49.1 73.7



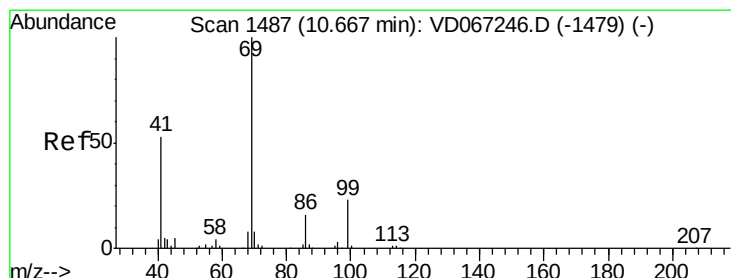
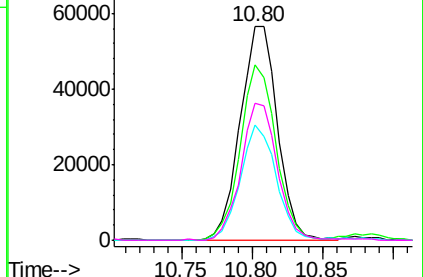
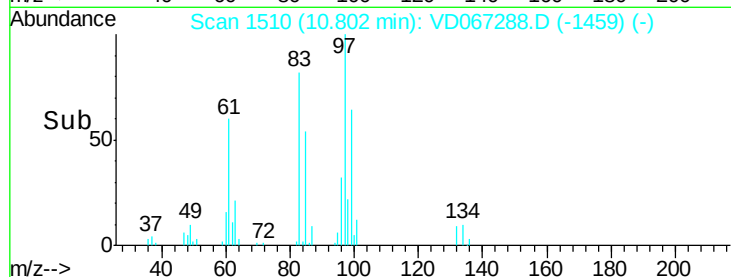
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 49.994 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

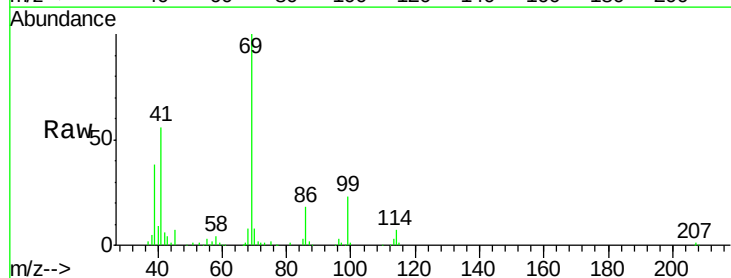
Tgt Ion: 69 Resp: 113092

Ion	Ratio	Lower	Upper
69	100		
41	55.6	44.7	67.1
39	32.9	26.2	39.2

69 100

41 55.6 44.7 67.1

39 32.9 26.2 39.2

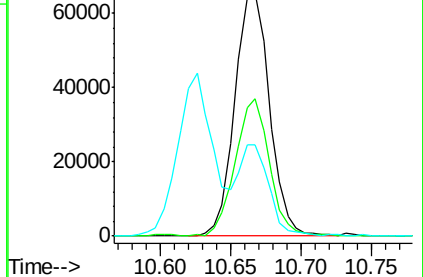
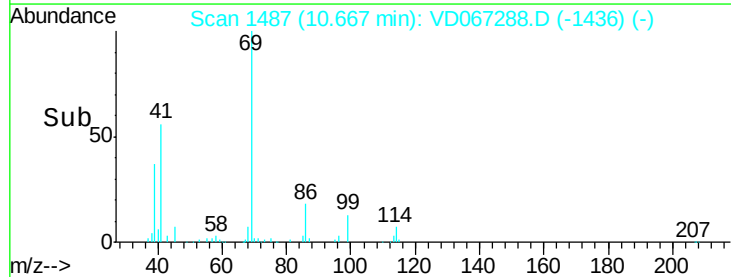


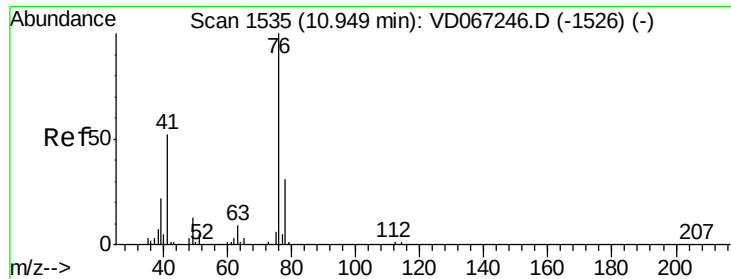
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 47.620 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

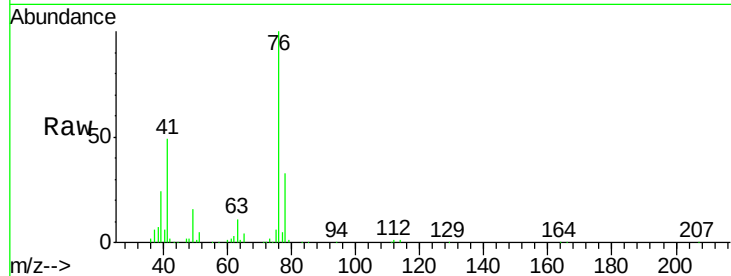
VSTDCCC050EC

Tot Ion: 76 Resp: 165299

Ion Ratio Lower Upper

76 100

78 33.1 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

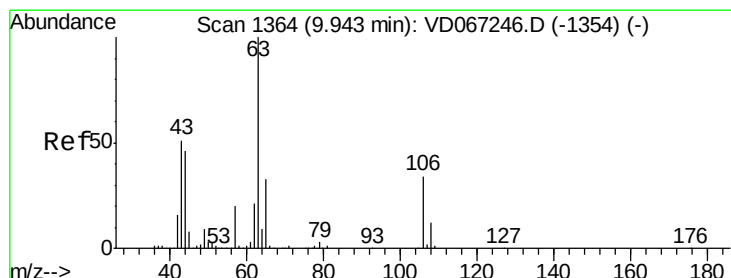
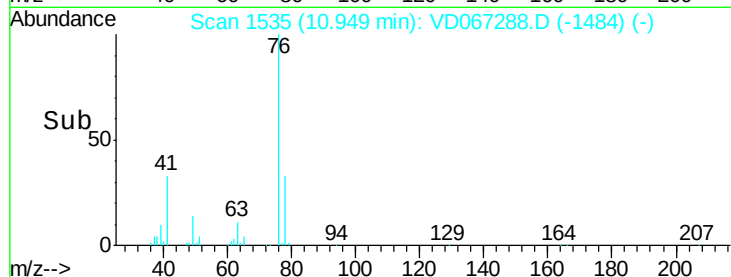
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.144 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067288.D

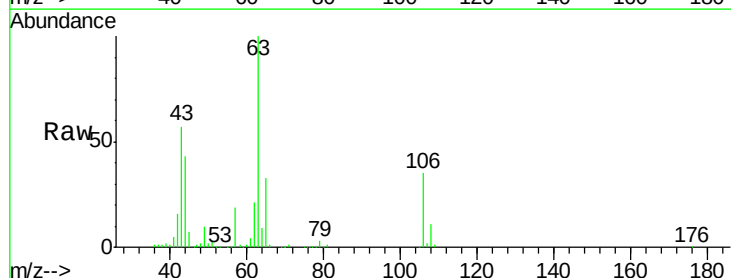
Acq: 15 Oct 2020 17:23

Tgt Ion: 63 Resp: 307692

Ion Ratio Lower Upper

63 100

106 36.2 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

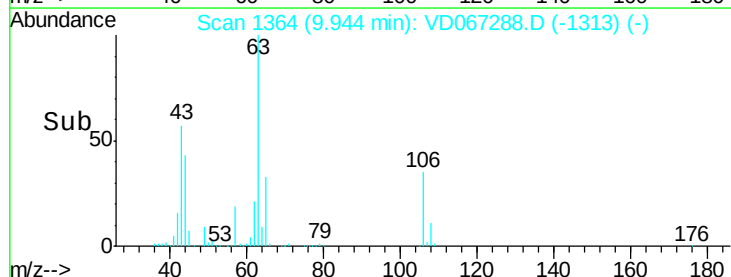
150000

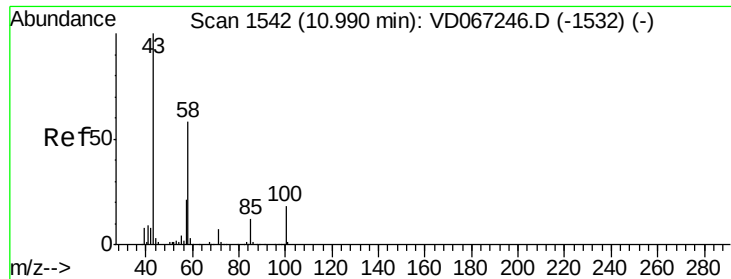
100000

50000

0

Time-->

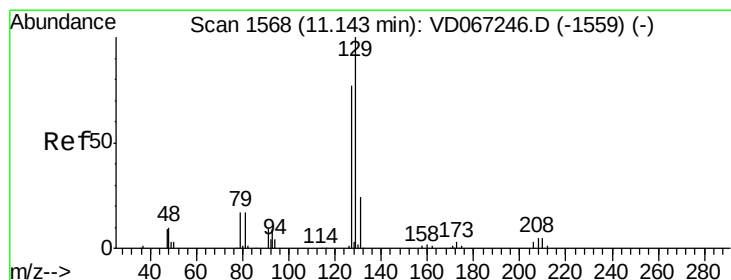
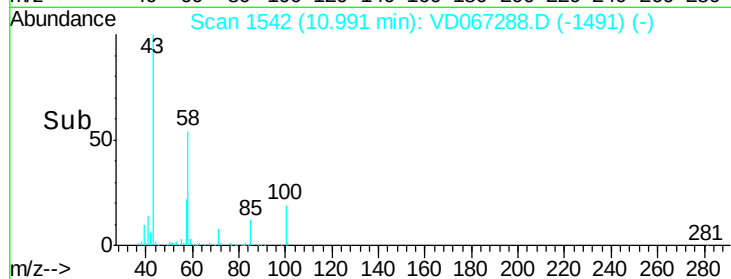
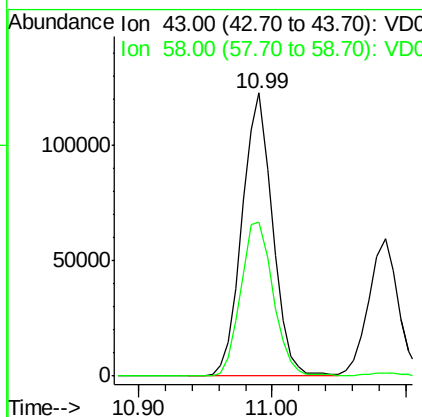
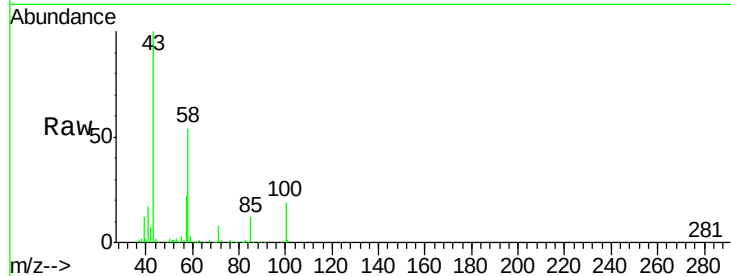




#59
2-Hexanone
Concen: 241.484 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

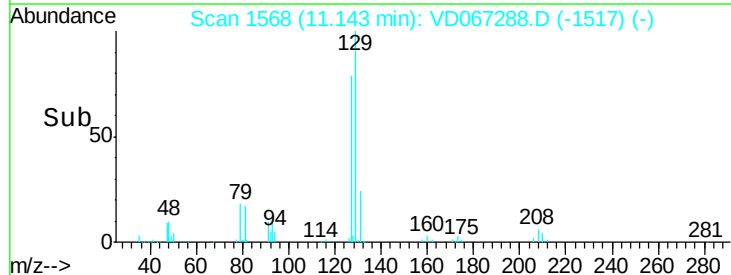
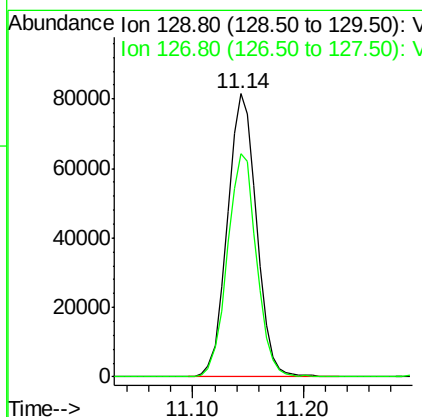
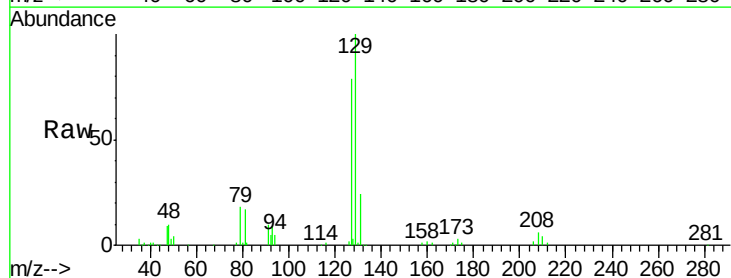
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

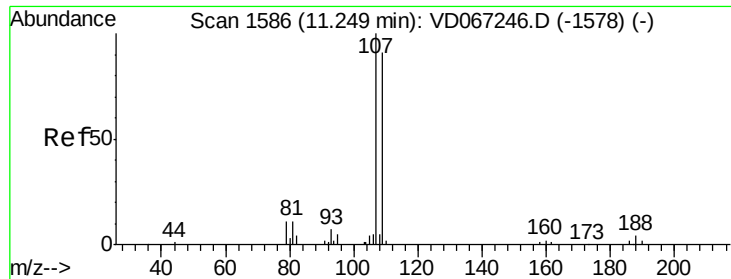
Tot Ion: 43 Resp: 194015
Ion Ratio Lower Upper
43 100
58 58.0 29.3 87.9



#60
Dibromochloromethane
Concen: 47.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 129 Resp: 150884
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8

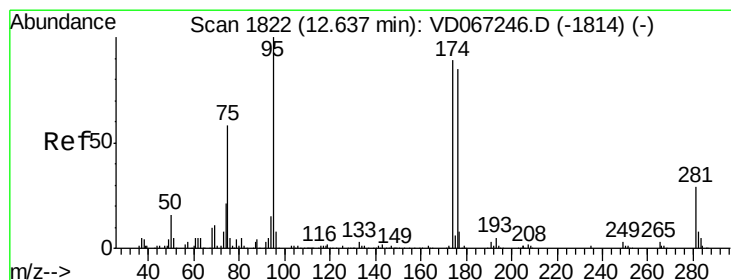
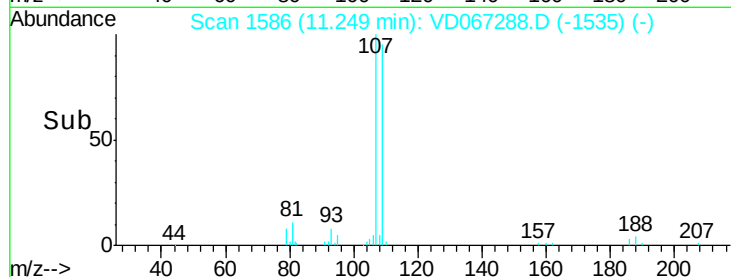
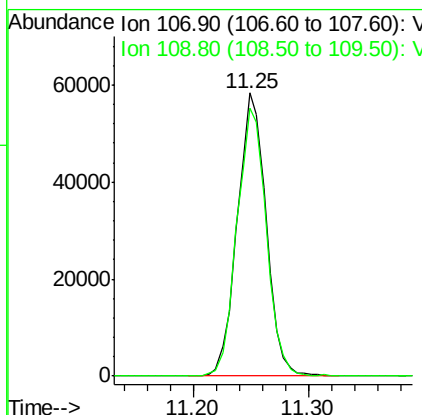
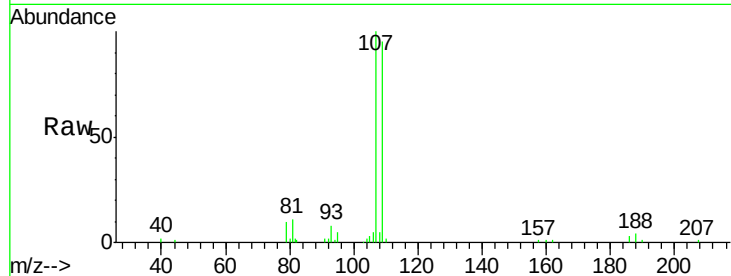




#61
 1,2-Dibromoethane
 Concen: 46.907 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

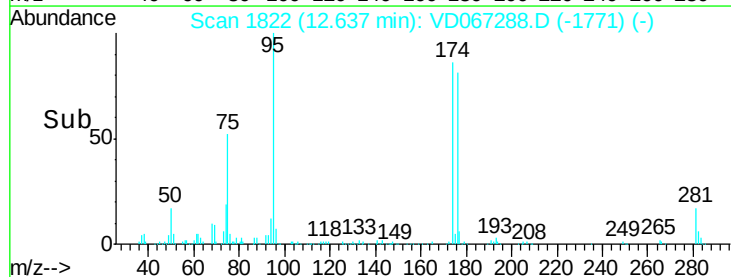
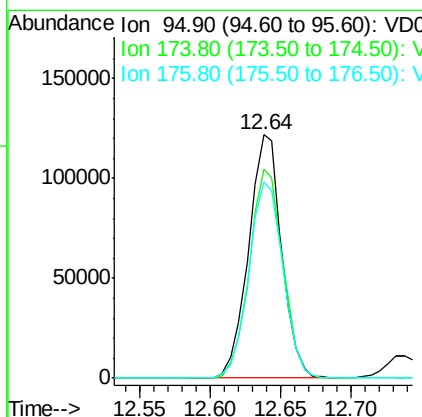
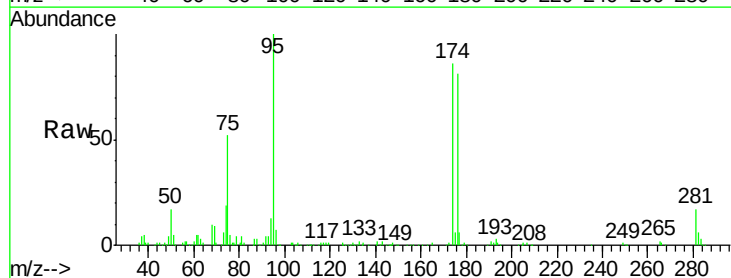
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

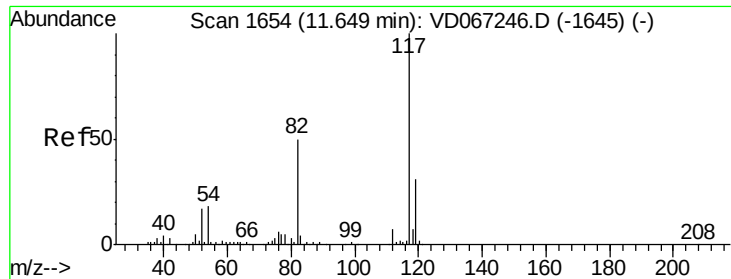
Tot Ion:107 Resp: 100865
 Ion Ratio Lower Upper
 107 100
 109 96.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.223 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 95 Resp: 200370
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 175.2
 176 83.6 0.0 168.6

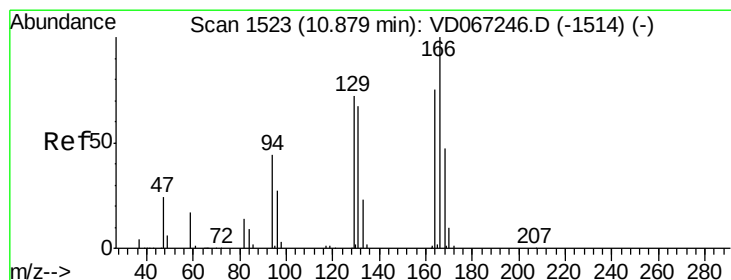
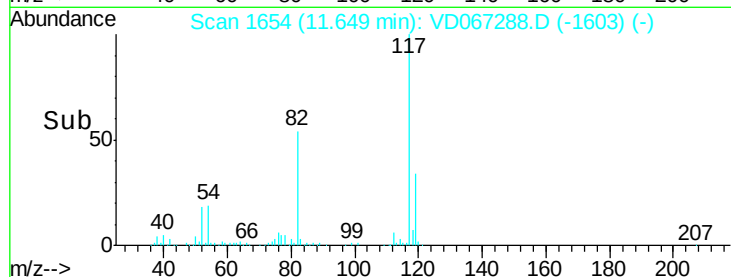
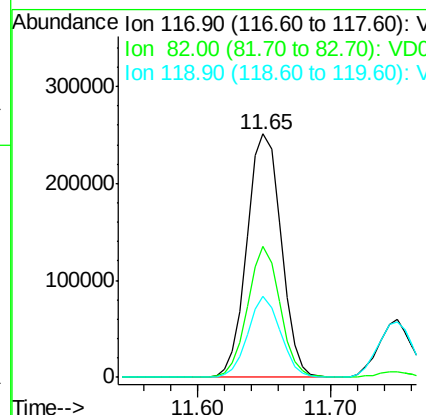
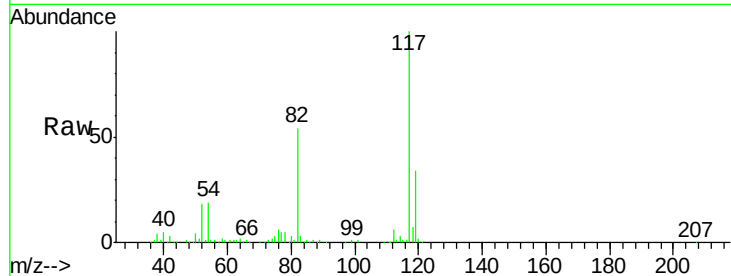




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

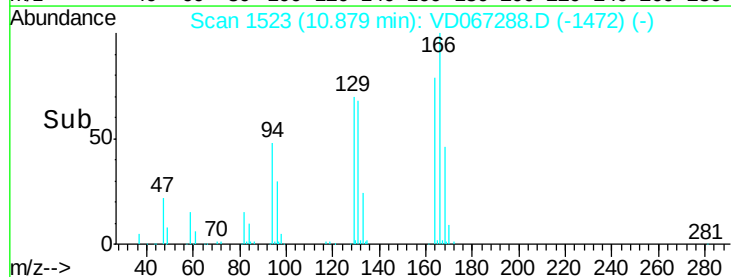
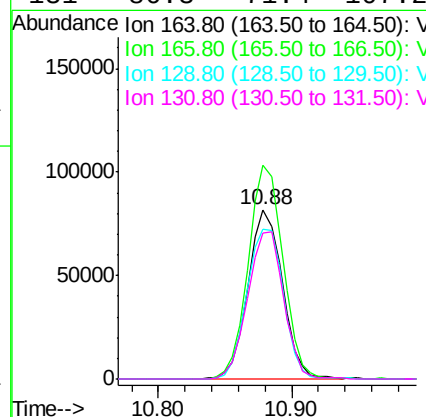
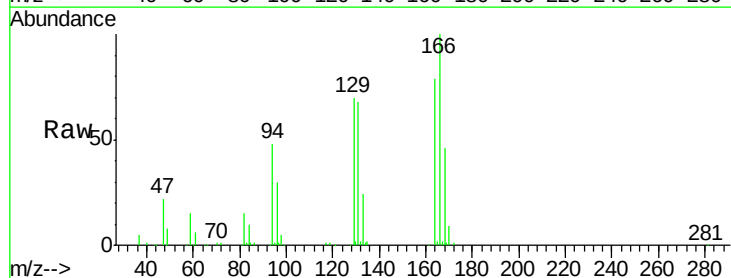
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

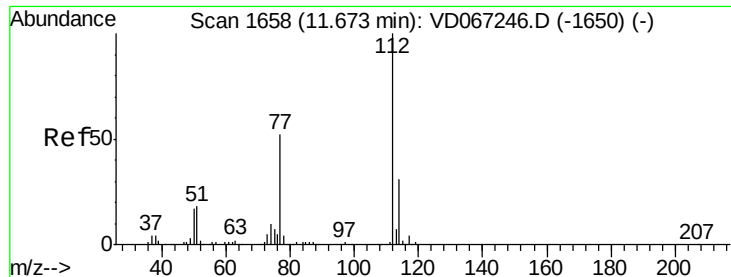
Tot Ion:117 Resp: 445582
Ion Ratio Lower Upper
117 100
82 53.8 39.9 59.9
119 33.5 24.9 37.3



#64
Tetrachloroethene
Concen: 45.234 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion:164 Resp: 146034
Ion Ratio Lower Upper
164 100
166 126.2 107.3 160.9
129 88.6 77.3 115.9
131 86.3 71.4 107.2

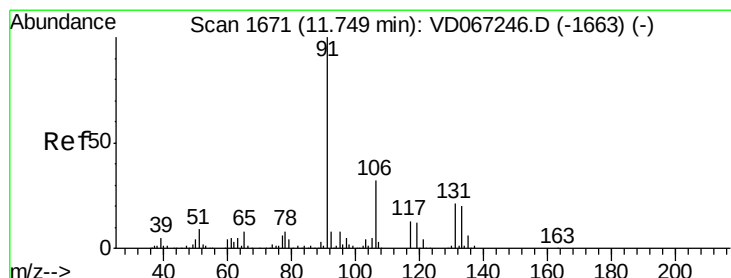
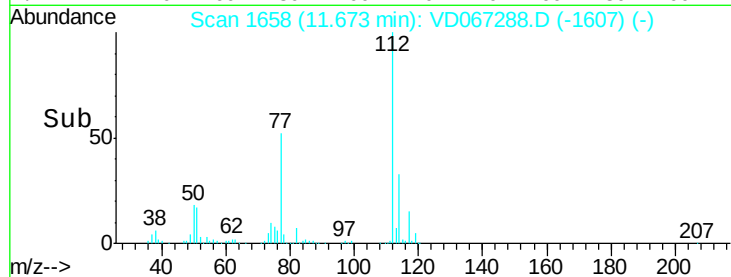
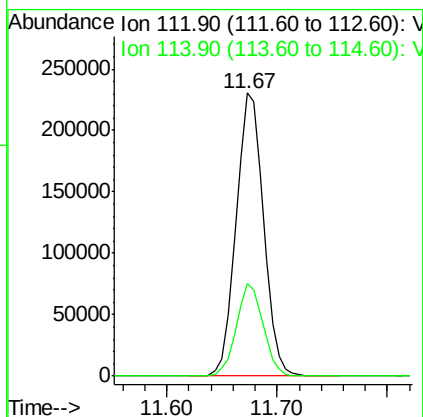
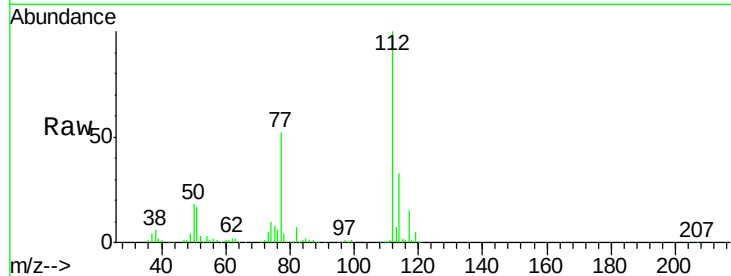




#65
Chlorobenzene
Concen: 47.173 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

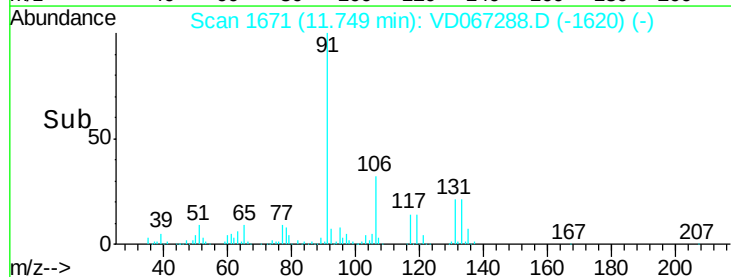
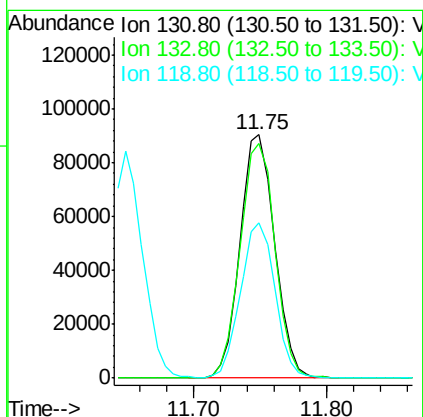
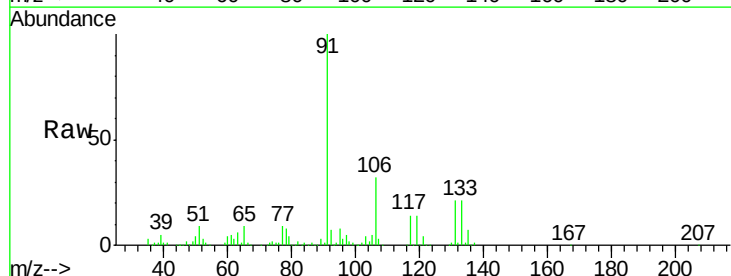
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

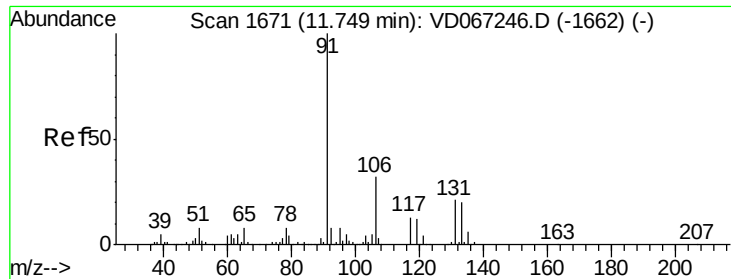
Tot Ion:112 Resp: 403070
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.859 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion:131 Resp: 162527
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.3
119 63.3 30.0 90.0





#67

Ethyl Benzene

Concen: 47.595 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

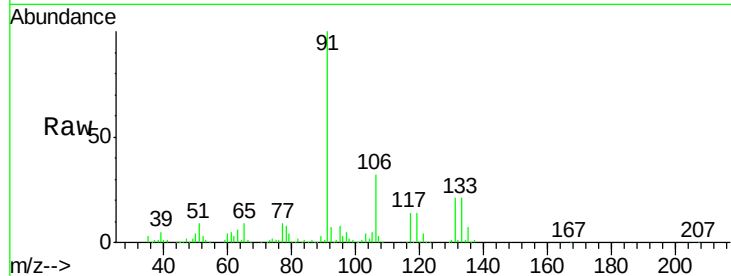
VSTDCCC050EC

Tot Ion: 91 Resp: 697124

Ion Ratio Lower Upper

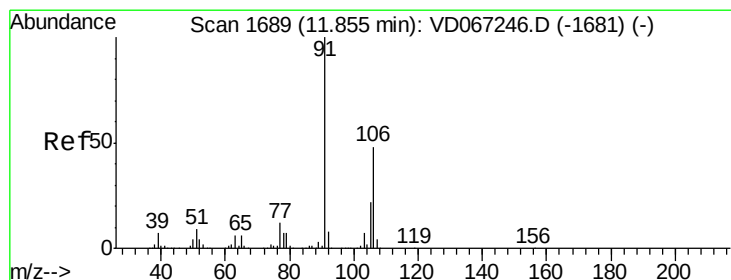
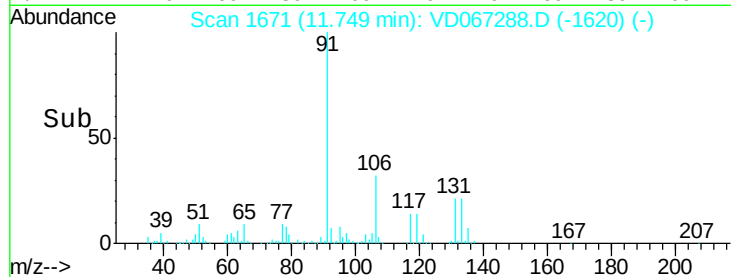
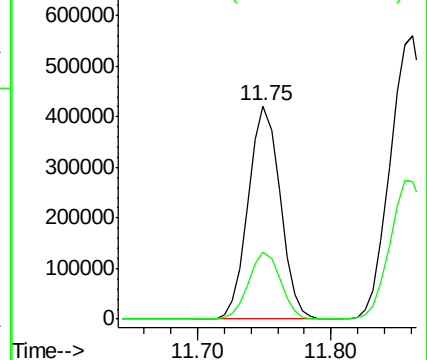
91 100

106 31.8 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.153 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067288.D

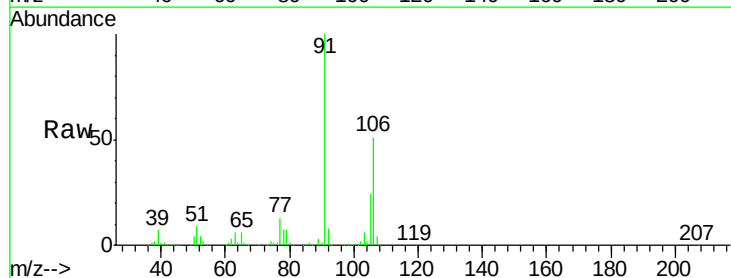
Acq: 15 Oct 2020 17:23

Tgt Ion: 106 Resp: 542335

Ion Ratio Lower Upper

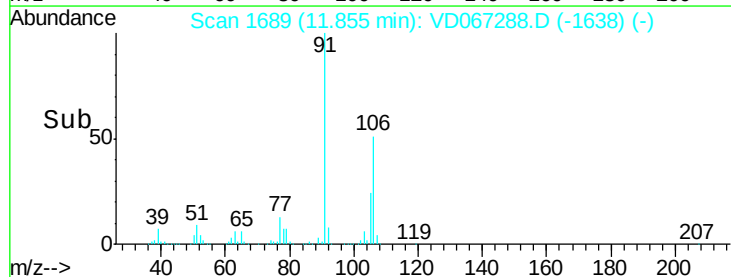
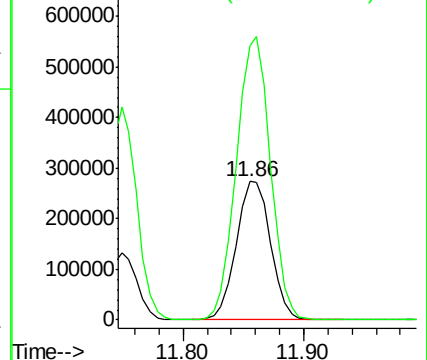
106 100

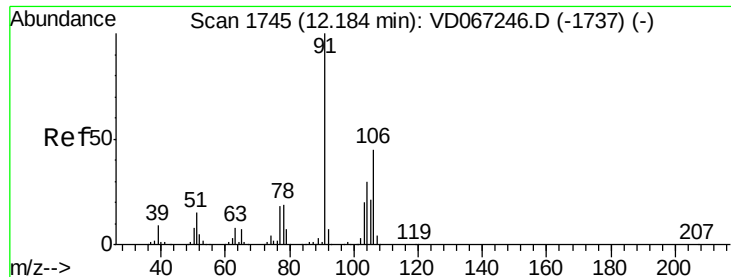
91 202.2 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

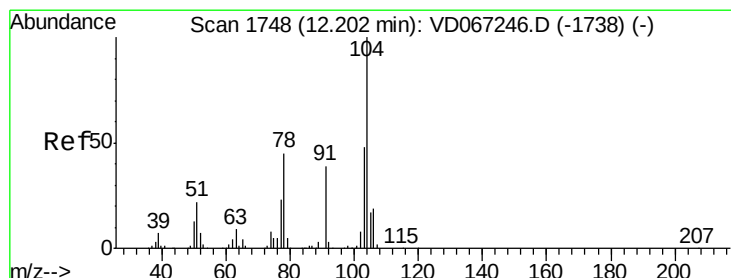
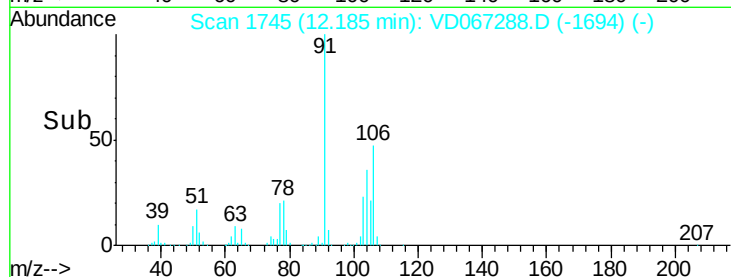
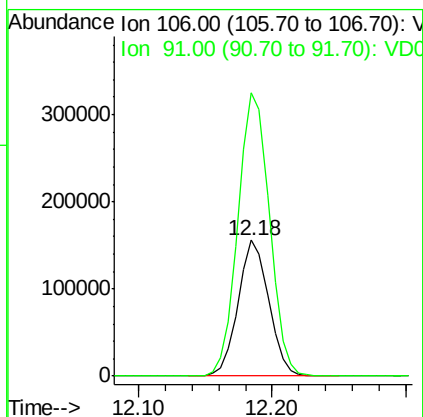
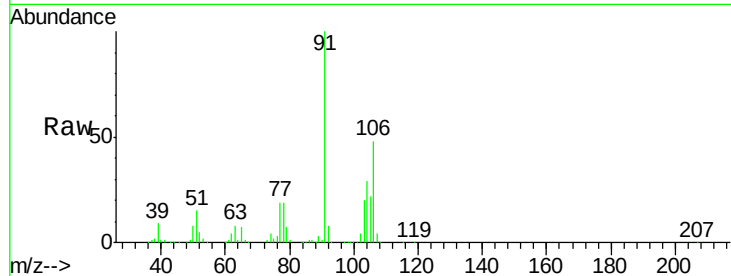




#69
o-Xylene
Concen: 47.424 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

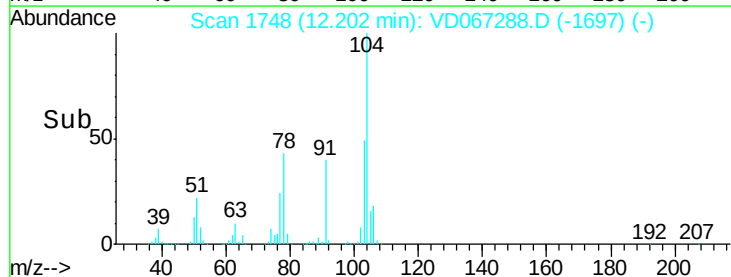
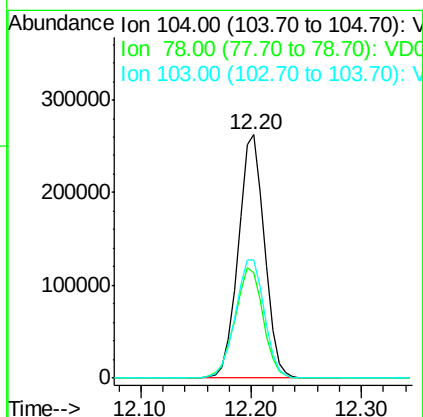
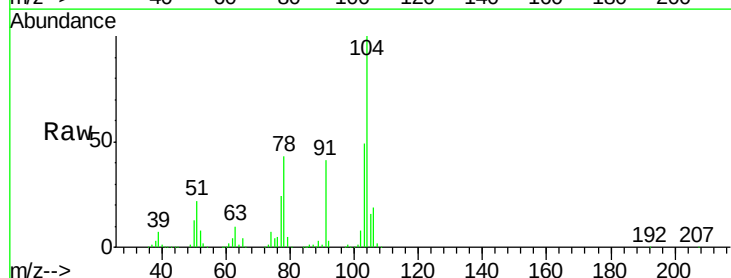
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

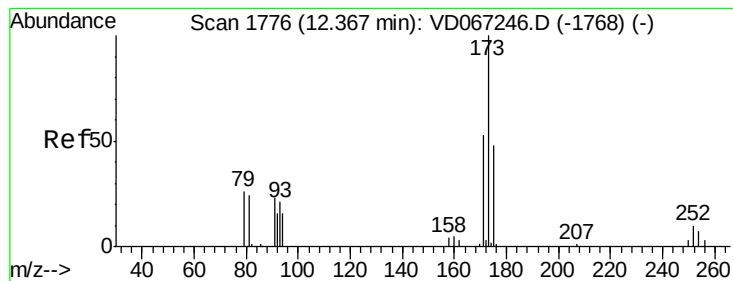
Tot Ion:106 Resp: 247692
Ion Ratio Lower Upper
106 100
91 214.6 109.1 327.3



#70
Styrene
Concen: 48.657 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion:104 Resp: 437473
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 54.1 42.6 64.0





#71

Bromoform

Concen: 46.225 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

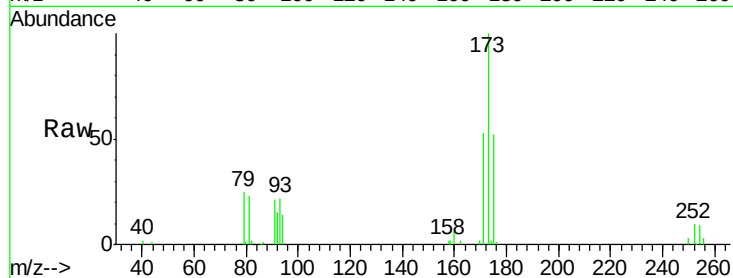
Tot Ion:173 Resp: 84332

Ion Ratio Lower Upper

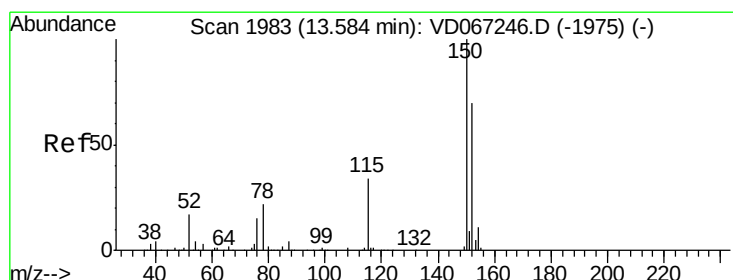
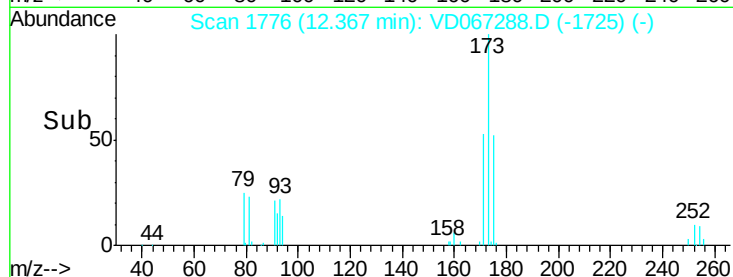
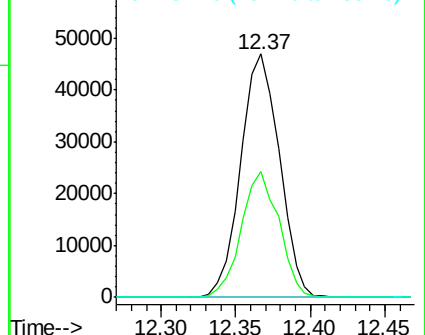
173 100

175 50.4 24.2 72.6

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# 1983

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

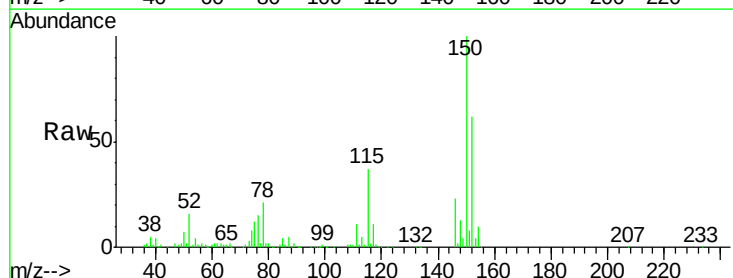
Tgt Ion:152 Resp: 222988

Ion Ratio Lower Upper

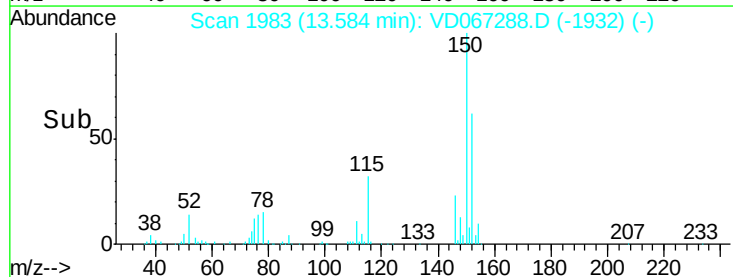
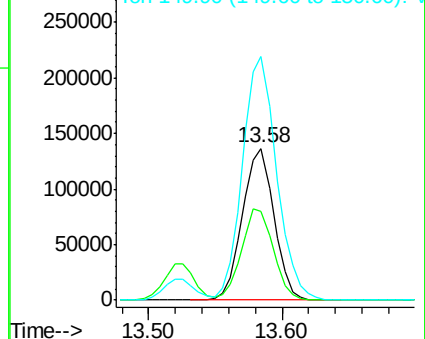
152 100

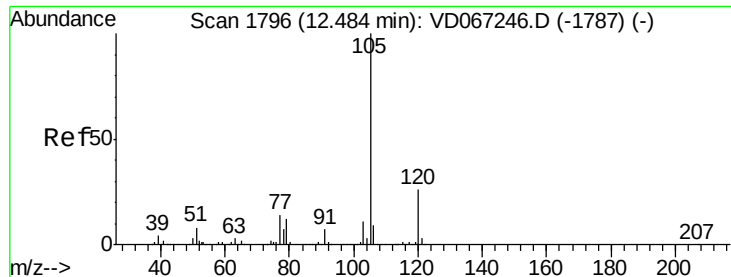
115 60.6 29.3 87.9

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: 49.544 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

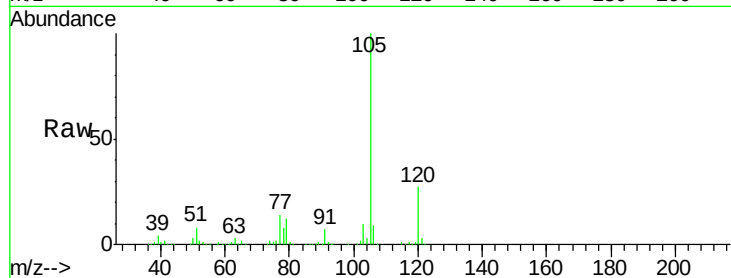
VSTDCCC050EC

Tot Ion:105 Resp: 701164

Ion Ratio Lower Upper

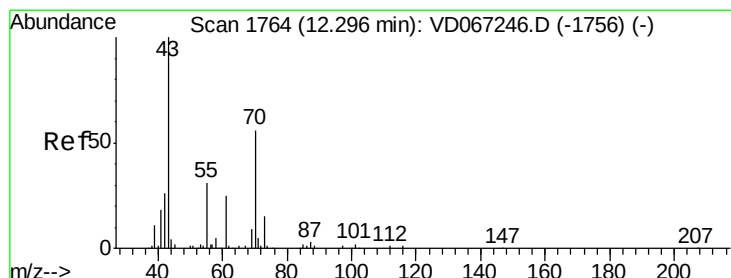
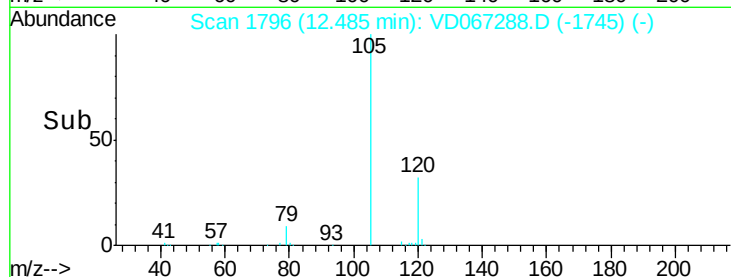
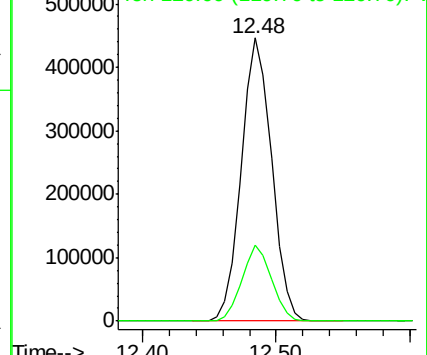
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.073 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Tgt Ion: 43 Resp: 102754

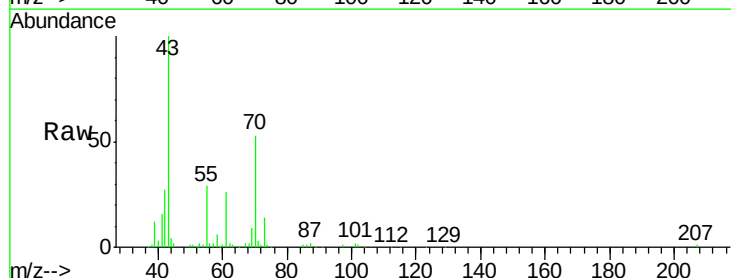
Ion Ratio Lower Upper

43 100

70 53.1 42.7 64.1

55 29.7 24.0 36.0

61 26.8 22.2 33.4

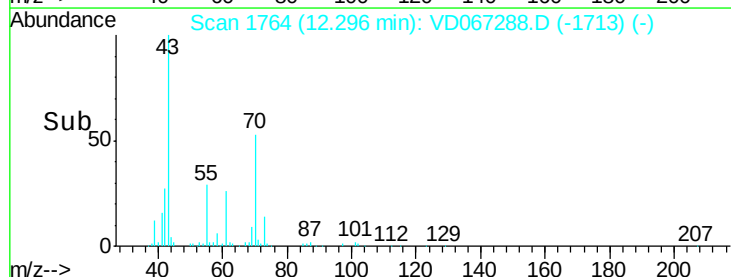
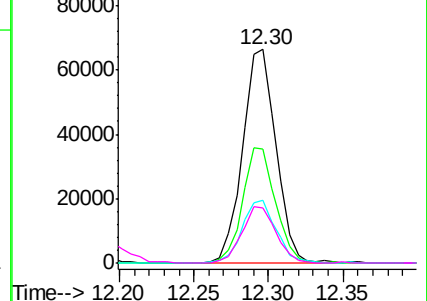


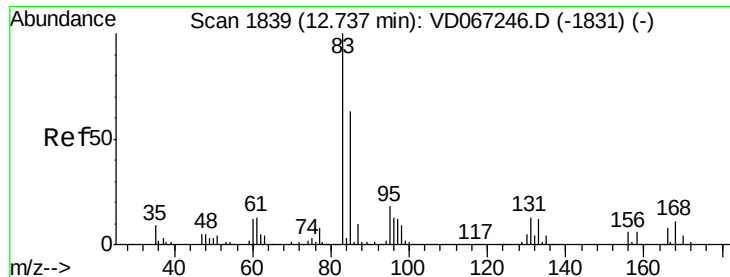
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.739 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

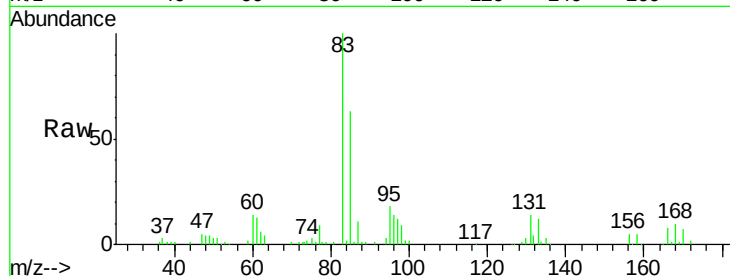
Tot Ion: 83 Resp: 101351

Ion Ratio Lower Upper

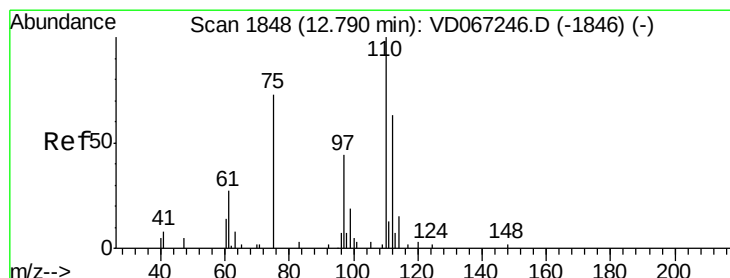
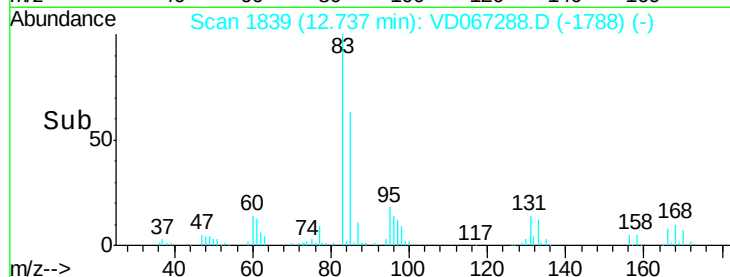
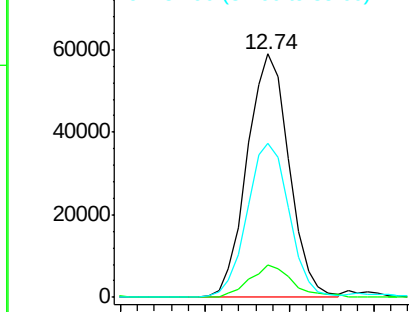
83 100

131 13.7 6.5 19.5

85 63.5 32.6 97.7



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: 50.685 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067288.D

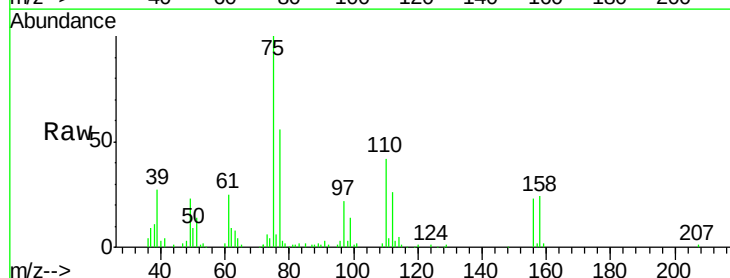
Acq: 15 Oct 2020 17:23

Tgt Ion: 75 Resp: 78335

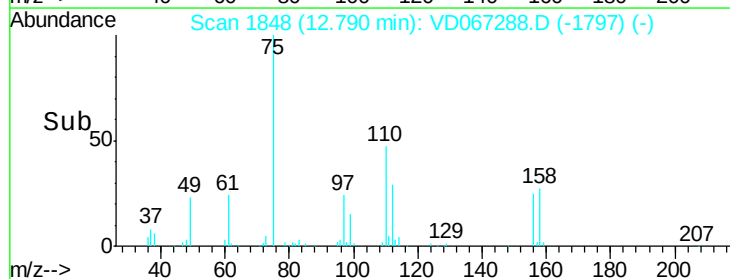
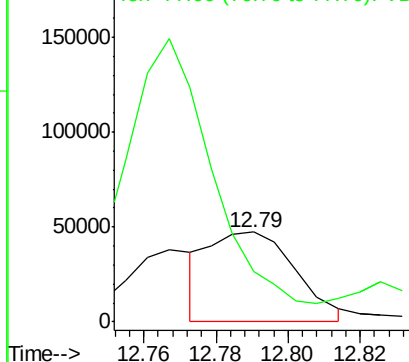
Ion Ratio Lower Upper

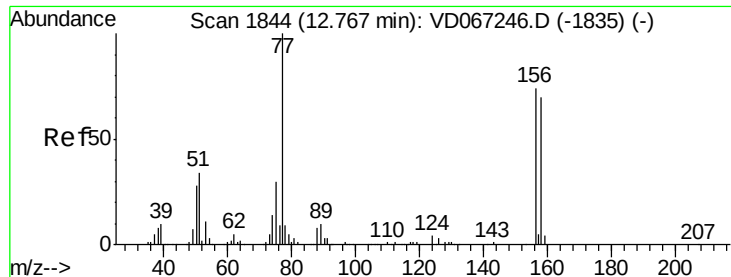
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.272 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

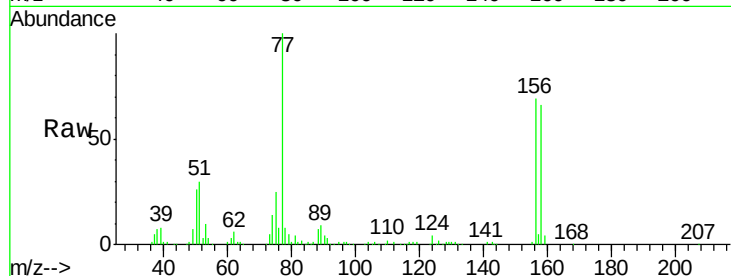
Tot Ion:156 Resp: 166790

Ion Ratio Lower Upper

156 100

77 160.1 78.0 233.8

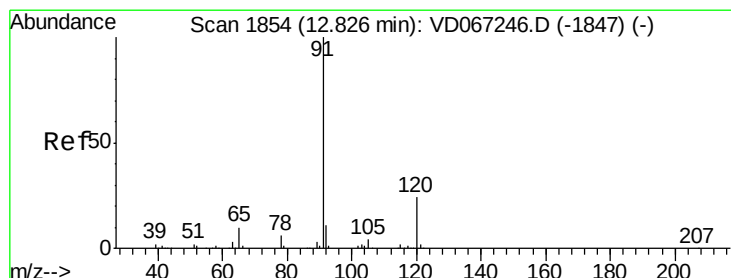
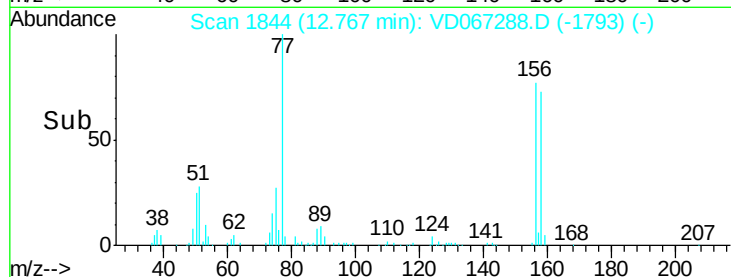
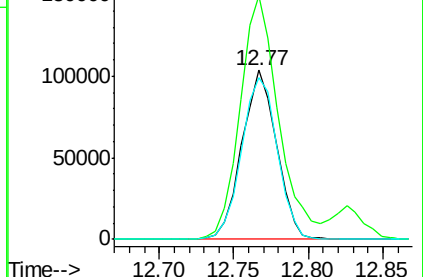
158 98.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.633 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067288.D

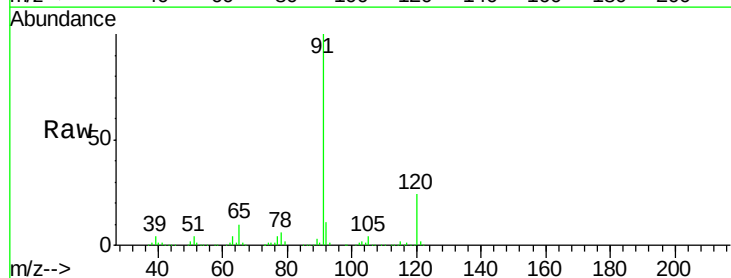
Acq: 15 Oct 2020 17:23

Tgt Ion: 91 Resp: 797446

Ion Ratio Lower Upper

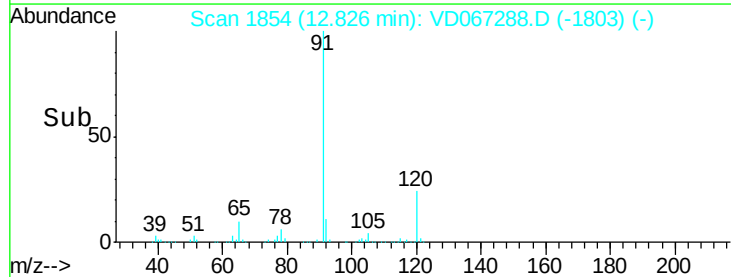
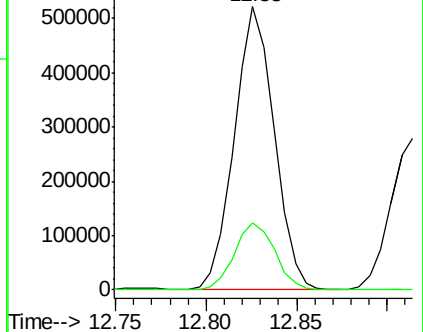
91 100

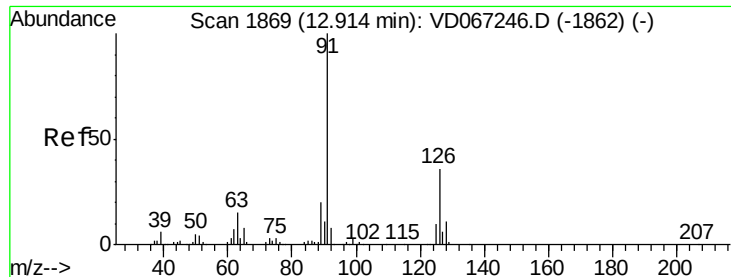
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.866 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

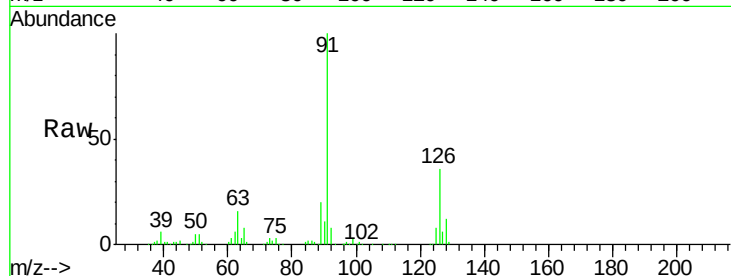
VSTDCCC050EC

Tot Ion: 91 Resp: 455161

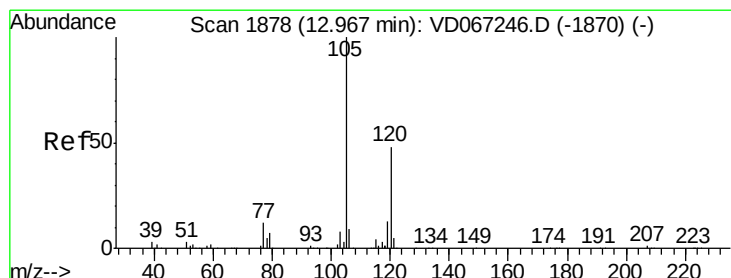
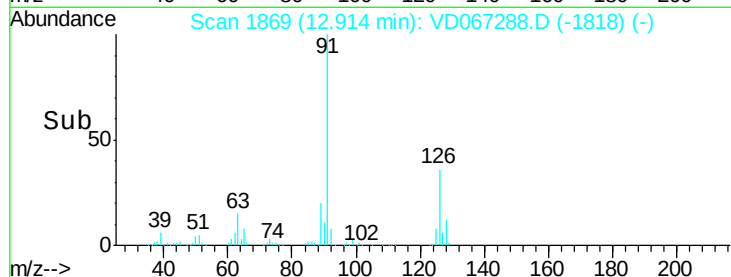
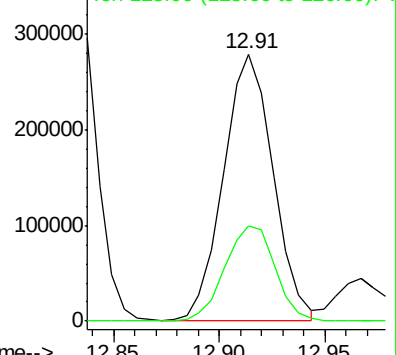
Ion Ratio Lower Upper

91 100

126 36.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.645 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067288.D

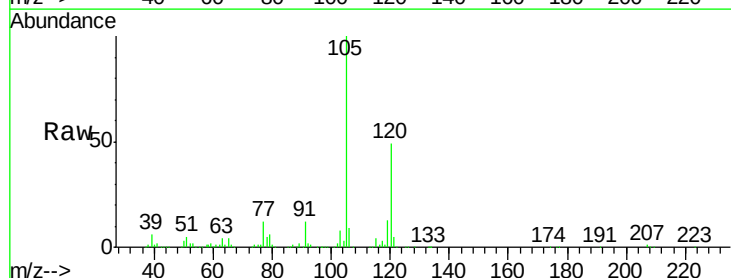
Acq: 15 Oct 2020 17:23

Tgt Ion: 105 Resp: 610552

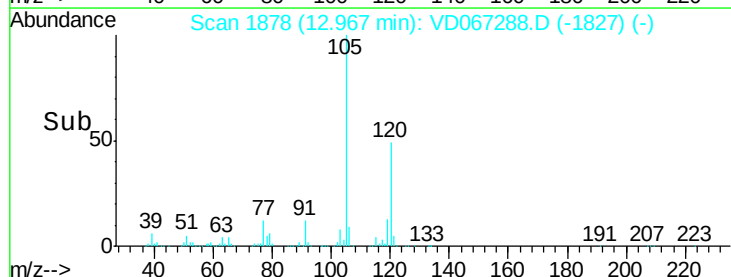
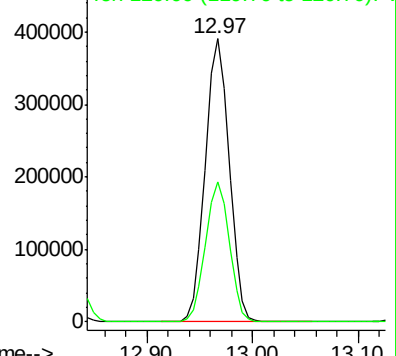
Ion Ratio Lower Upper

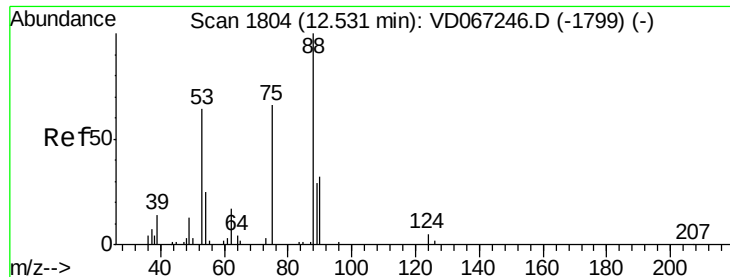
105 100

120 49.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.734 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

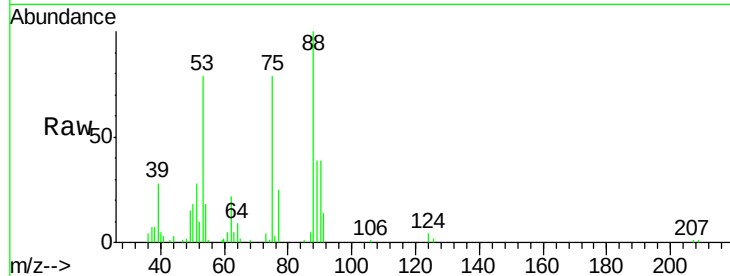
Tot Ion: 75 Resp: 31851

Ion Ratio Lower Upper

75 100

53 103.6 78.5 117.7

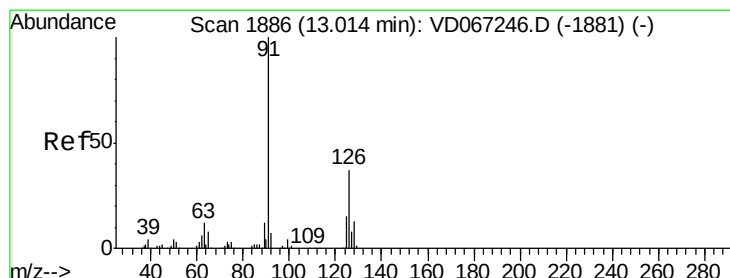
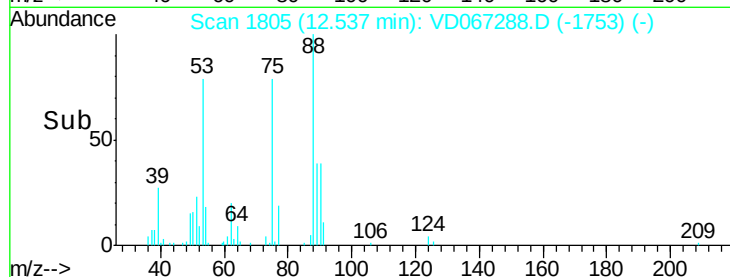
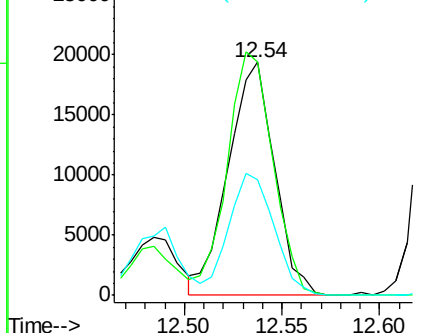
89 51.1 39.9 59.9



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: 48.234 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067288.D

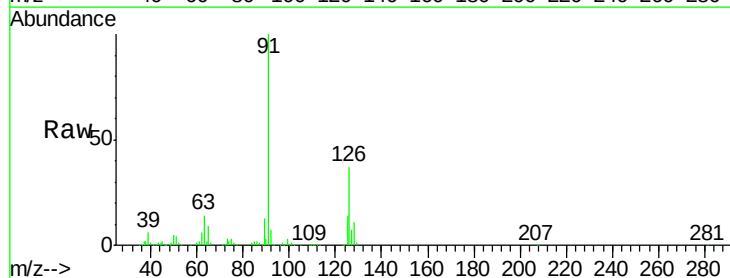
Acq: 15 Oct 2020 17:23

Tgt Ion: 91 Resp: 486805

Ion Ratio Lower Upper

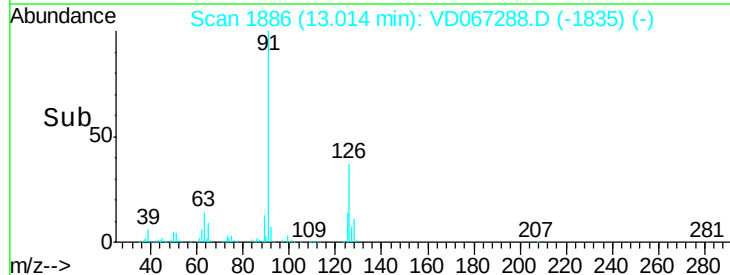
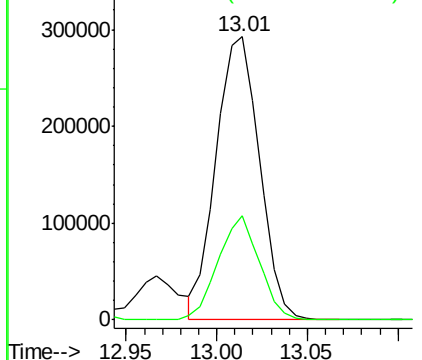
91 100

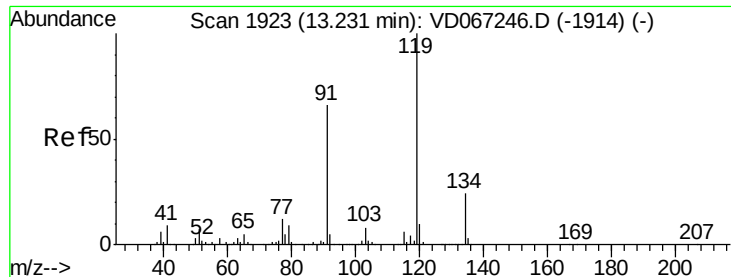
126 35.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

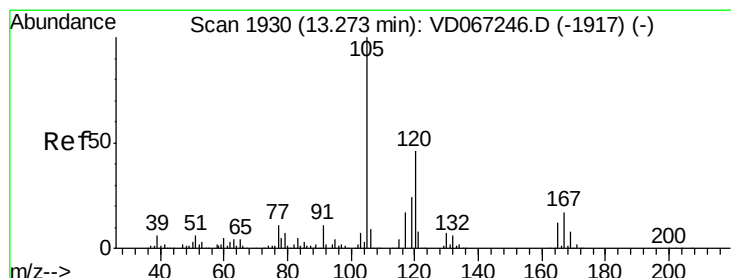
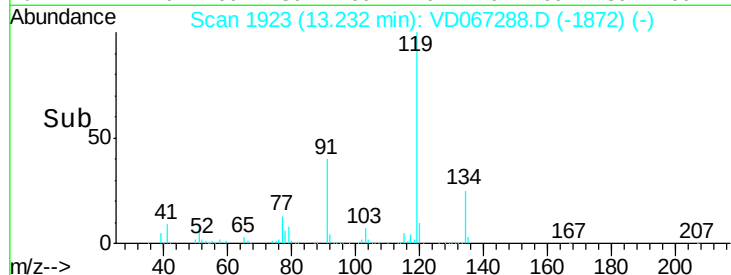
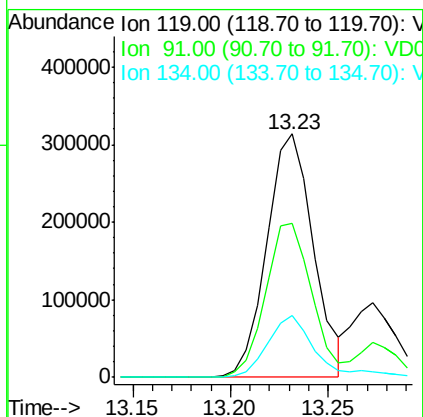
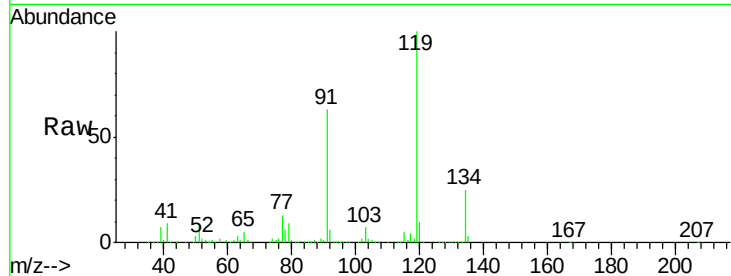




#83
 tert-Butylbenzene
 Concen: 50.046 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

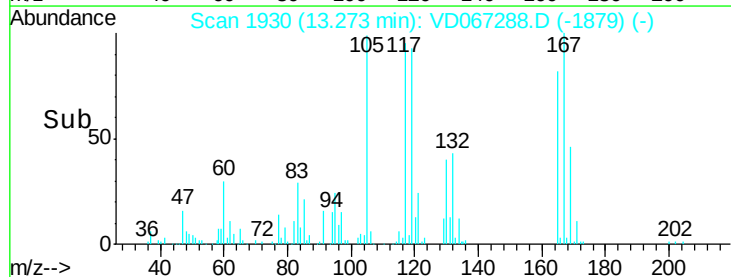
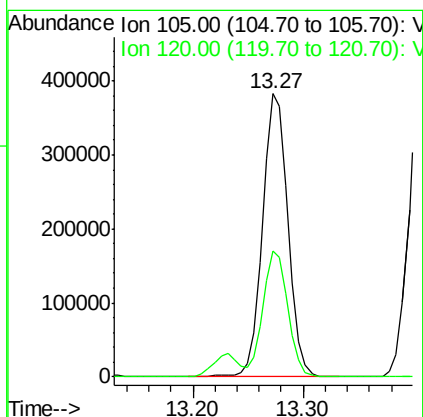
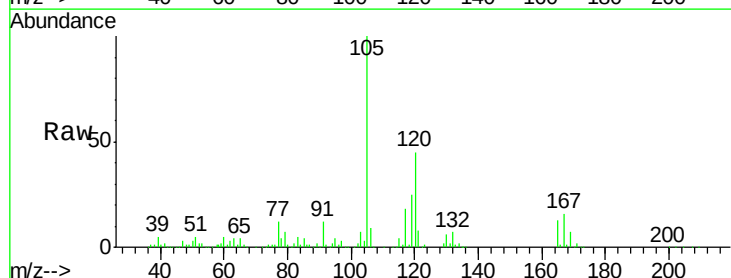
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

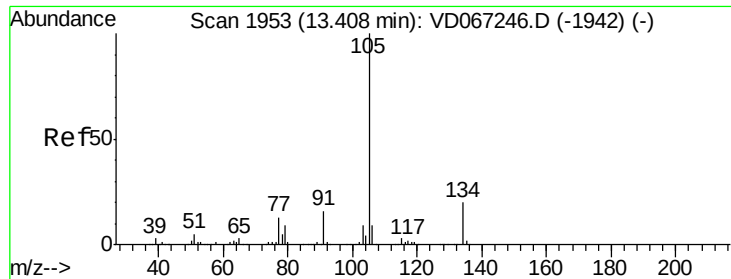
Tot Ion:119 Resp: 519899
 Ion Ratio Lower Upper
 119 100
 91 62.6 33.1 99.2
 134 26.0 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 50.671 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion:105 Resp: 615921
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 48.777 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

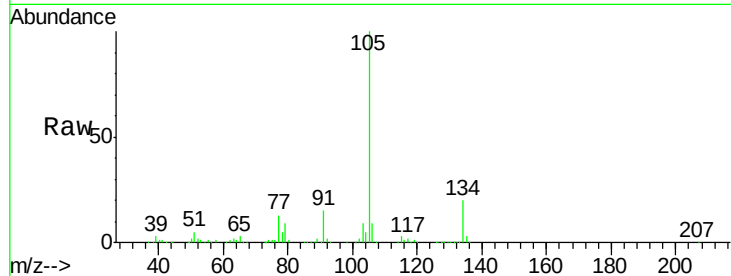
VSTDCCC050EC

Tot Ion:105 Resp: 695298

Ion Ratio Lower Upper

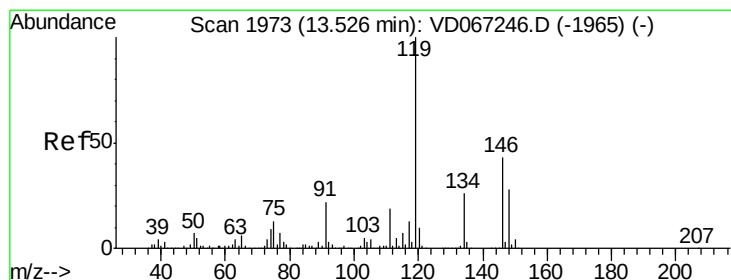
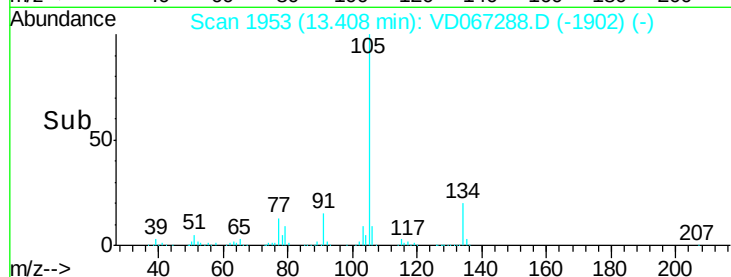
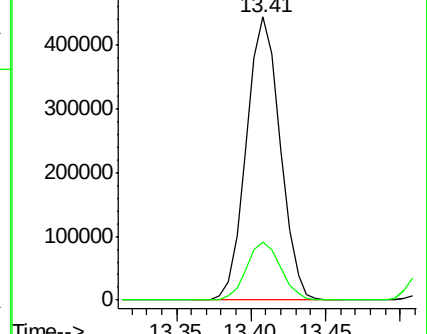
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.410 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067288.D

Acq: 15 Oct 2020 17:23

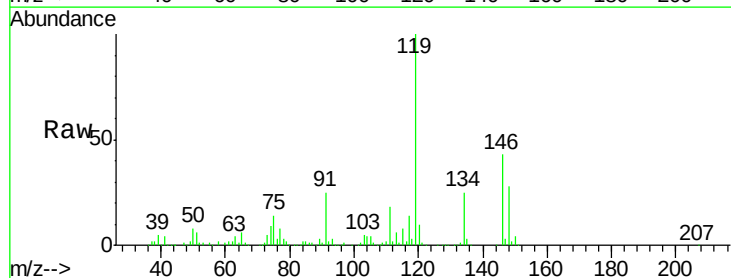
Tgt Ion:119 Resp: 664789

Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

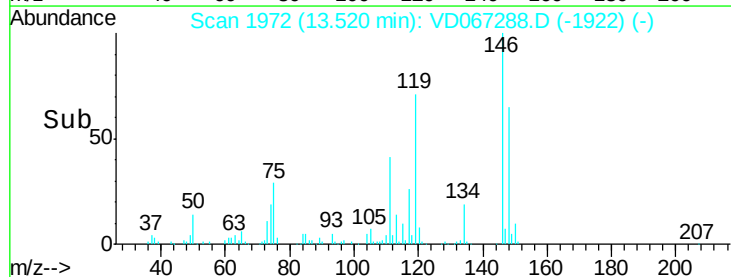
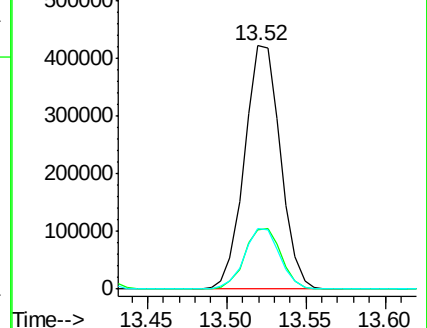
91 24.4 11.9 35.9

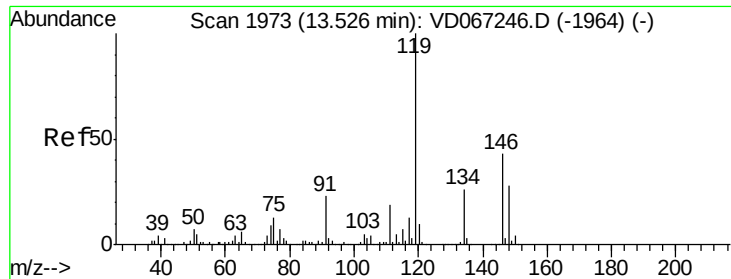


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

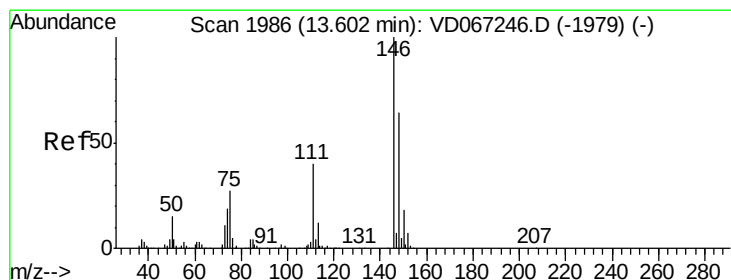
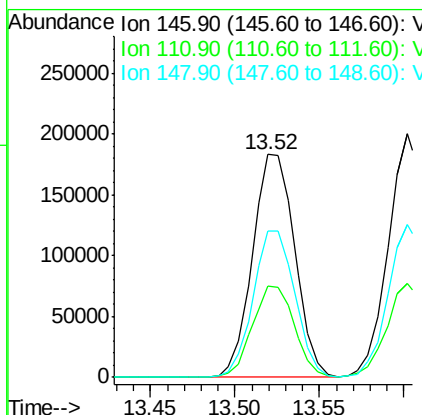
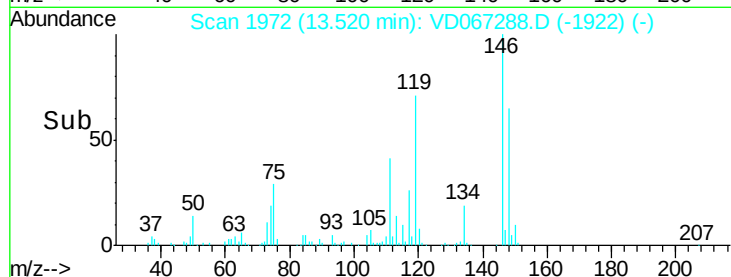
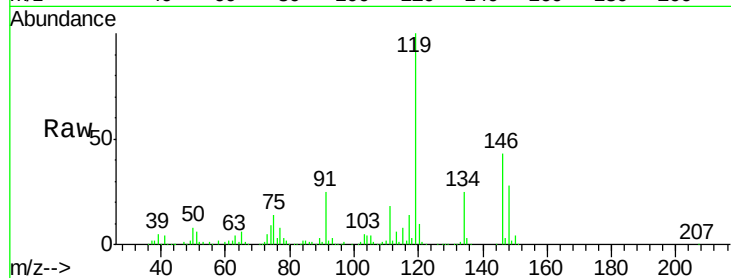




#87
 1,3-Dichlorobenzene
 Concen: 46.968 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

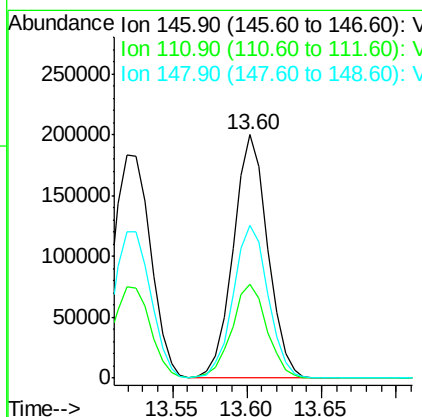
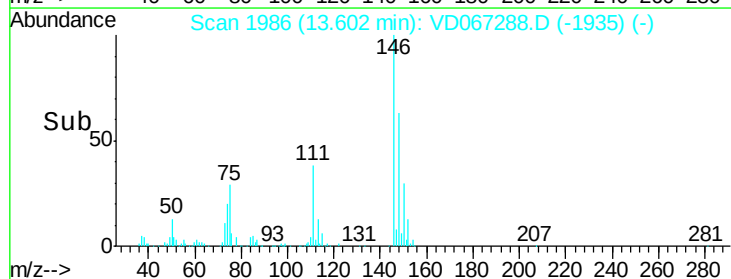
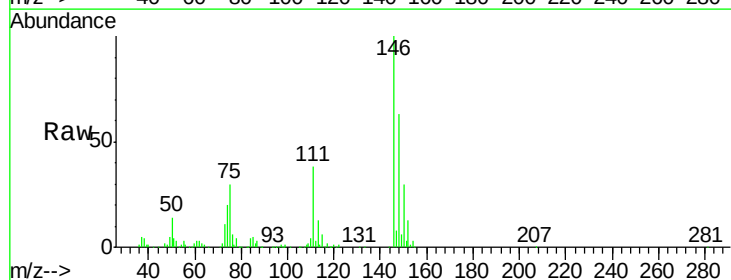
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

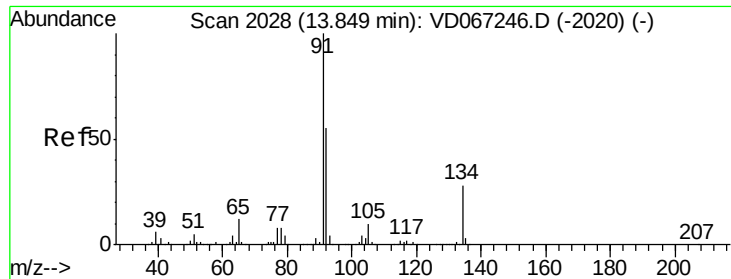
Tot Ion:146 Resp: 318968
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.3
 148 65.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.734 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion:146 Resp: 321170
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.9 59.7
 148 63.7 31.9 95.9

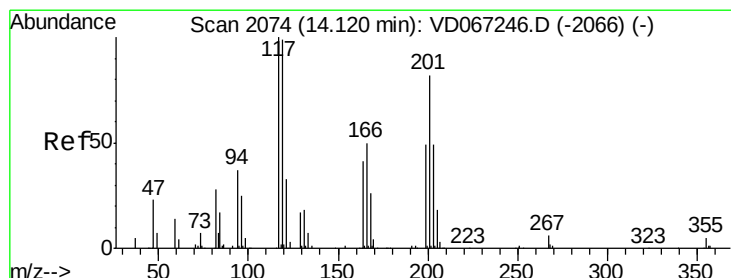
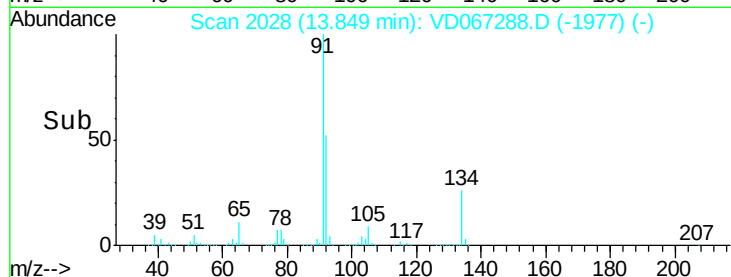
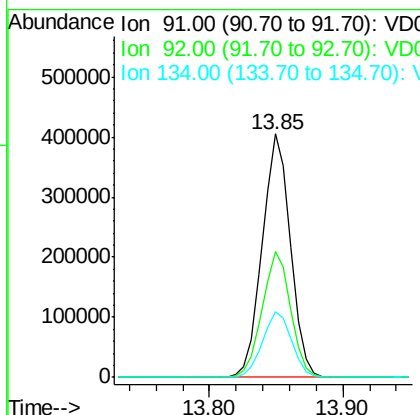
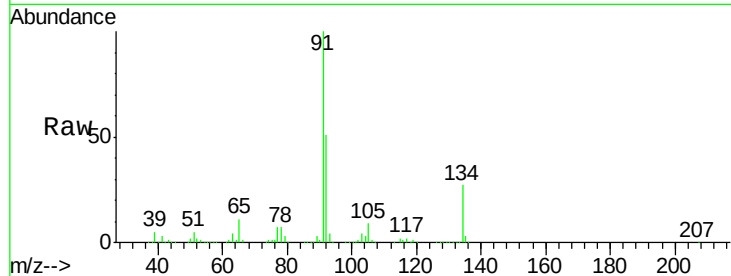




#89
n-Butylbenzene
Concen: 50.024 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

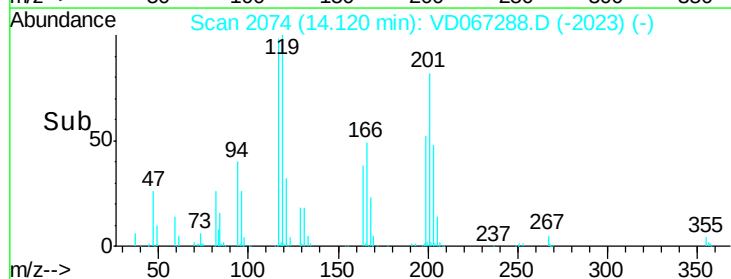
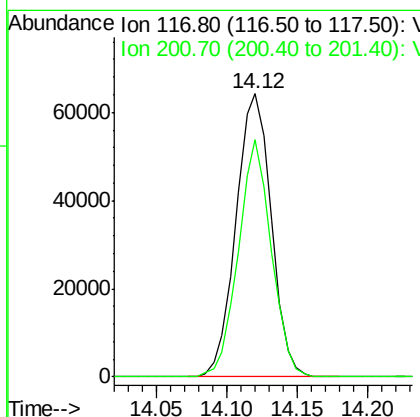
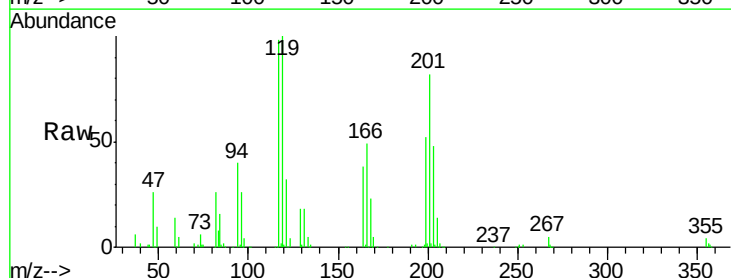
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

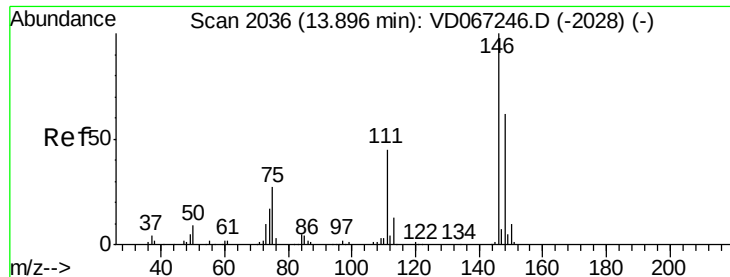
Tot Ion: 91 Resp: 592111
Ion Ratio Lower Upper
91 100
92 52.0 26.7 80.0
134 27.8 14.2 42.6



#90
Hexachloroethane
Concen: 47.835 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion: 117 Resp: 112311
Ion Ratio Lower Upper
117 100
201 78.1 40.8 122.2

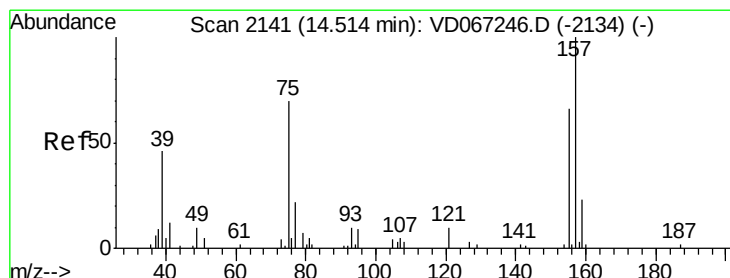
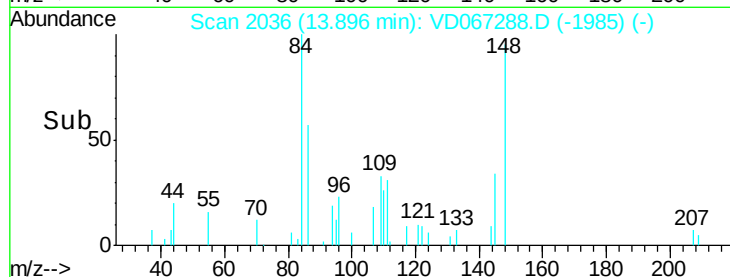
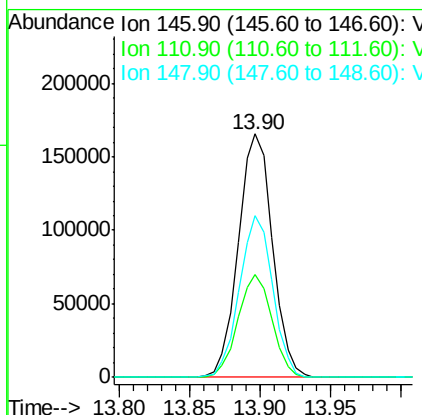
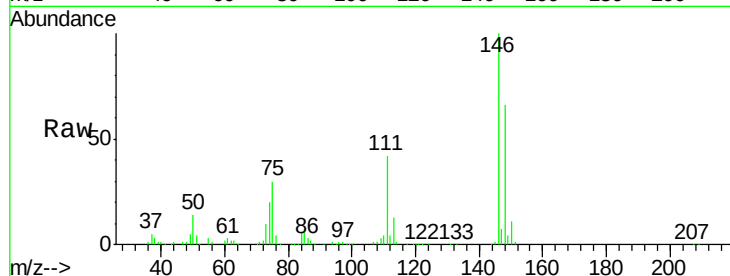




#91
 1,2-Dichlorobenzene
 Concen: 47.241 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

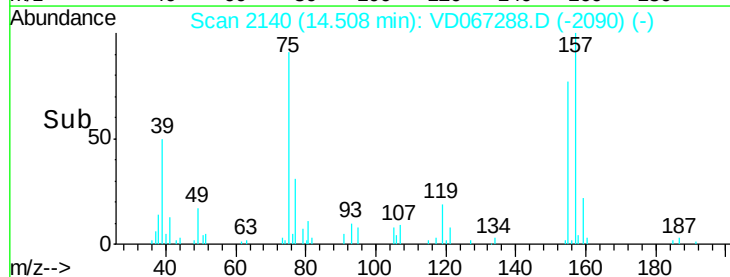
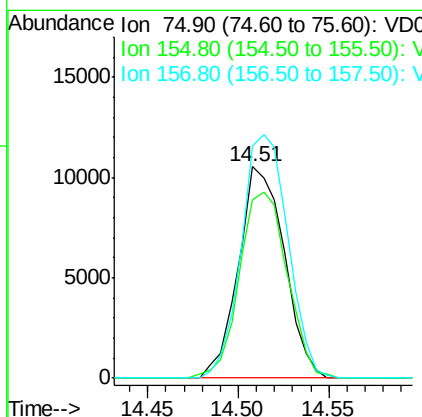
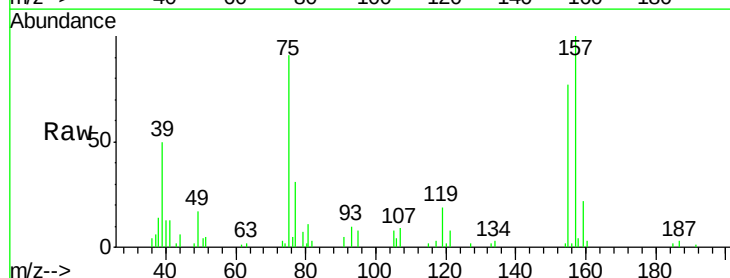
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

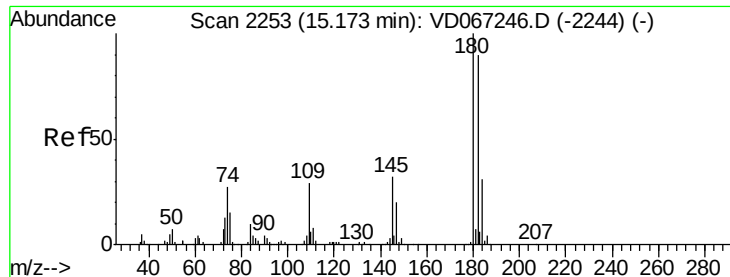
Tot Ion:146 Resp: 280265
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.0 66.0
 148 64.9 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.070 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion: 75 Resp: 18543
 Ion Ratio Lower Upper
 75 100
 155 91.9 44.8 134.4
 157 117.2 62.5 187.4

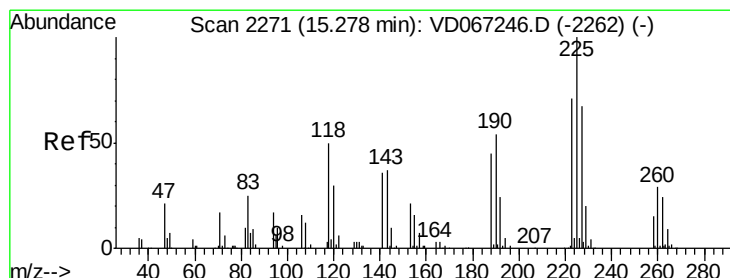
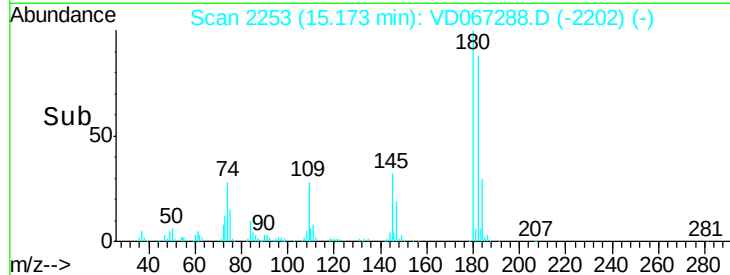
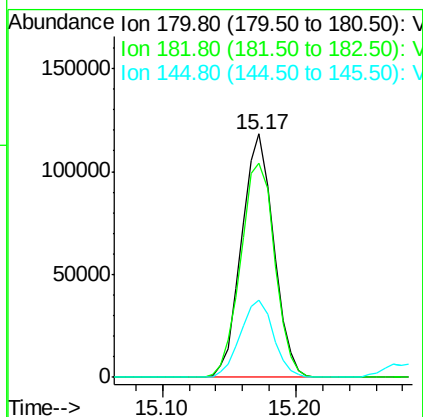
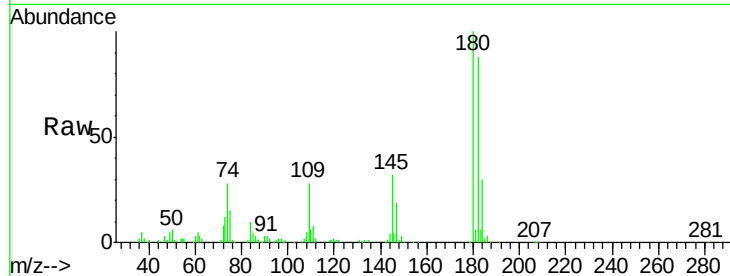




#93
 1,2,4-Trichlorobenzene
 Concen: 49.208 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

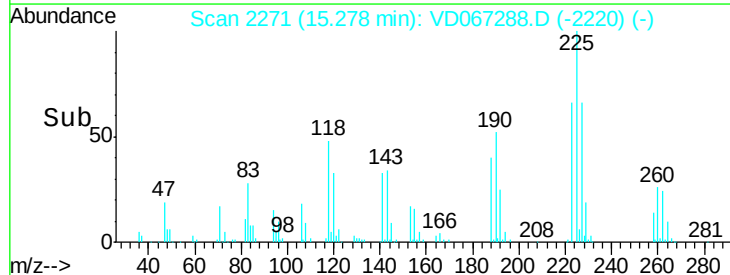
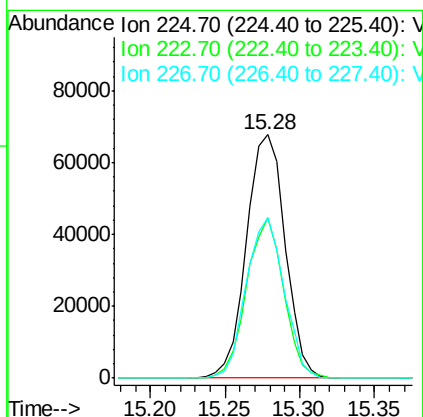
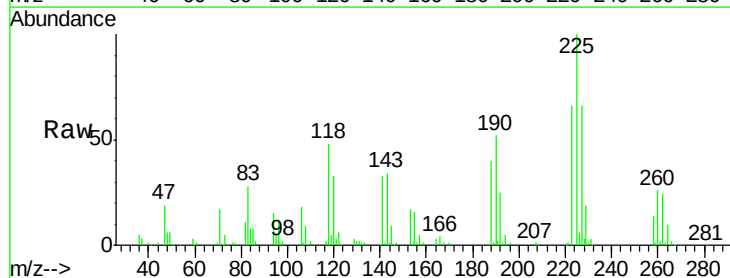
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

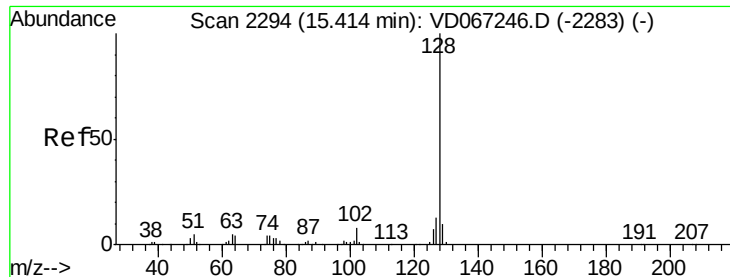
Tot Ion:180 Resp: 196833
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.1 144.4
 145 32.9 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 48.844 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067288.D
 Acq: 15 Oct 2020 17:23

Tgt Ion:225 Resp: 121326
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.9 95.7
 227 64.7 31.2 93.6

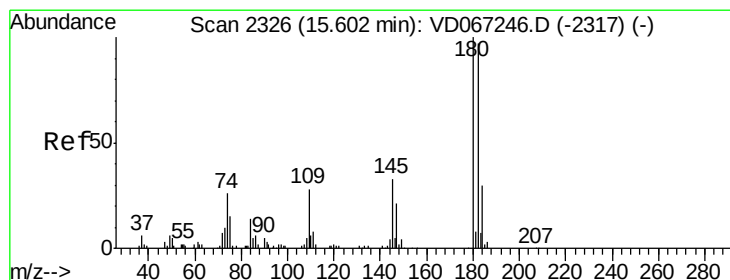
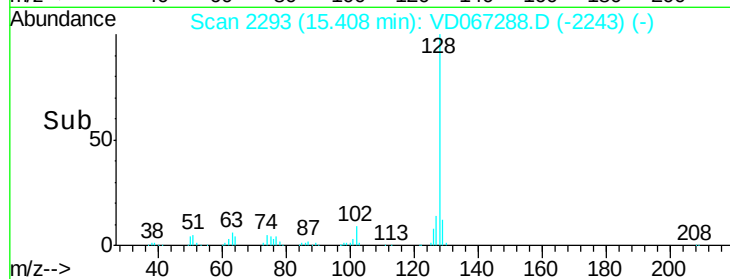
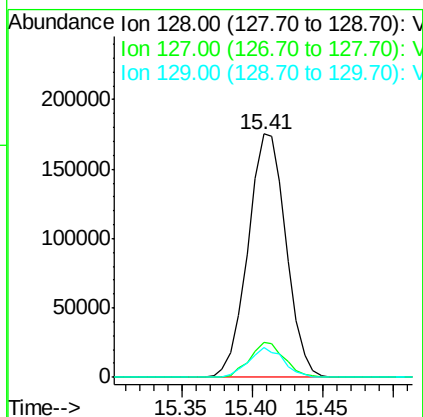
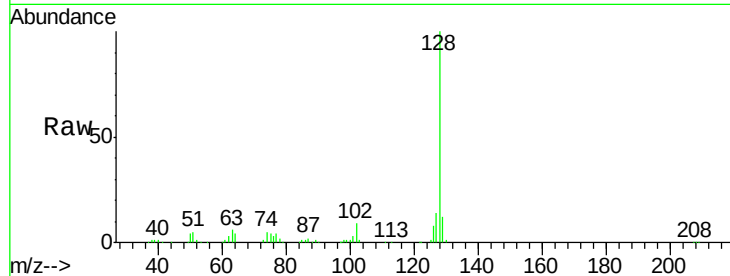




#95
Naphthalene
Concen: 50.510 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.3	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.676 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067288.D
Acq: 15 Oct 2020 17:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	33.6	17.3	51.9

