

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067311.D
 Acq On : 19 Oct 2020 16:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 20 01:15:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	512649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173720	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.91	113	180909	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	652037	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.64	95	229923	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	125155	43.063	ug/l	97
3) Chloromethane	2.21	50	99238	44.164	ug/l	98
4) Vinyl Chloride	2.35	62	110788	44.935	ug/l	96
5) Bromomethane	2.77	94	88444	51.627	ug/l	97
6) Chloroethane	2.93	64	69048	44.969	ug/l	97
7) Trichlorofluoromethane	3.27	101	284238	45.783	ug/l	95
8) Diethyl Ether	3.70	74	69443	48.882	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	156932	47.577	ug/l	98
10) Methyl Iodide	4.30	142	166426	54.697	ug/l	100
11) Tert butyl alcohol	5.22	59	44873	239.343	ug/l	99
12) 1,1-Dichloroethene	4.07	96	140960	47.836	ug/l	96
13) Acrolein	3.93	56	49852	234.644	ug/l	96
14) Allyl chloride	4.71	41	173106	51.297	ug/l	97
15) Acrylonitrile	5.43	53	123203	259.908	ug/l	98
16) Acetone	4.16	43	109688	218.953	ug/l	97
17) Carbon Disulfide	4.41	76	382779	45.566	ug/l	99
18) Methyl Acetate	4.71	43	59707	52.254	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	312271	53.294	ug/l	97
20) Methylene Chloride	4.97	84	162929	50.850	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	168205	49.602	ug/l	94
22) Diisopropyl ether	6.36	45	336657	54.612	ug/l	93
23) Vinyl Acetate	6.30	43	989647	282.180	ug/l	99
24) 1,1-Dichloroethane	6.26	63	272141	51.572	ug/l	98
25) 2-Butanone	7.21	43	152215	266.552	ug/l	94
26) 2,2-Dichloropropane	7.21	77	267444	49.171	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	189088	50.878	ug/l	98
28) Bromochloromethane	7.55	49	100500	55.837	ug/l #	96
29) Tetrahydrofuran	7.56	42	89402	281.638	ug/l	98
30) Chloroform	7.71	83	316325	50.180	ug/l	90
31) Cyclohexane	7.98	56	194646	47.244	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	305024	49.316	ug/l	98
36) 1,1-Dichloropropene	8.11	75	226570	49.506	ug/l	99
37) Ethyl Acetate	7.29	43	72278	53.678	ug/l	97
38) Carbon Tetrachloride	8.10	117	279022	47.701	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	241689	50.515	ug/l	94
40) Benzene	8.35	78	644394	51.324	ug/l	96
41) Methacrylonitrile	7.56	41	96382	132.458	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	194316	49.454	ug/l	99
43) Isopropyl Acetate	8.46	43	140913	52.740	ug/l	98
44) Trichloroethene	9.11	130	201728	50.182	ug/l	94
45) 1,2-Dichloropropane	9.39	63	147759	50.779	ug/l	98
46) Dibromomethane	9.48	93	93903	51.795	ug/l	93
47) Bromodichloromethane	9.67	83	249163	51.296	ug/l	97
48) Methyl methacrylate	9.46	41	72264	55.655	ug/l	91
49) 1,4-Dioxane	9.47	88	17811	1015.658	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	366517	275.031	ug/l	98
52) Toluene	10.41	92	437979	51.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	219417	51.423	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	256541	51.373	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	127813	51.700	ug/l	97
56) Ethyl methacrylate	10.66	69	143501	55.968	ug/l	97
57) 1,3-Dichloropropane	10.95	76	205316	52.185	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	365680	278.017	ug/l	98
59) 2-Hexanone	10.99	43	243981	267.925	ug/l	96
60) Dibromochloromethane	11.14	129	180935	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	124542	51.099	ug/l	99
64) Tetrachloroethene	10.88	164	176254	47.453	ug/l	97
65) Chlorobenzene	11.67	112	483530	49.186	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	195261	49.976	ug/l	99
67) Ethyl Benzene	11.75	91	856625	50.834	ug/l	97
68) m/p-Xylenes	11.86	106	650152	100.189	ug/l	99
69) o-Xylene	12.18	106	300652	50.033	ug/l	100
70) Styrene	12.20	104	523890	50.645	ug/l	100
71) Bromoform	12.37	173	105928	50.466	ug/l #	99
73) Isopropylbenzene	12.48	105	852164	53.906	ug/l	100
74) N-amyl acetate	12.30	43	133061	55.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134051	55.343	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	168238	97.452	ug/l #	100
77) Bromobenzene	12.77	156	200670	50.916	ug/l	95
78) n-propylbenzene	12.83	91	970714	52.998	ug/l	100
79) 2-Chlorotoluene	12.91	91	546248	51.427	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	721994	52.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40907	53.734	ug/l	93
82) 4-Chlorotoluene	13.01	91	577110	51.192	ug/l	99
83) tert-Butylbenzene	13.23	119	627071	54.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	729314	53.715	ug/l	99
85) sec-Butylbenzene	13.41	105	840596	52.793	ug/l	100
86) p-Isopropyltoluene	13.53	119	803234	53.446	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	381800	50.331	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	385844	51.339	ug/l	99
89) n-Butylbenzene	13.85	91	722096	54.615	ug/l	99
90) Hexachloroethane	14.12	117	136140	51.910	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	338895	51.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21579	49.039	ug/l	92

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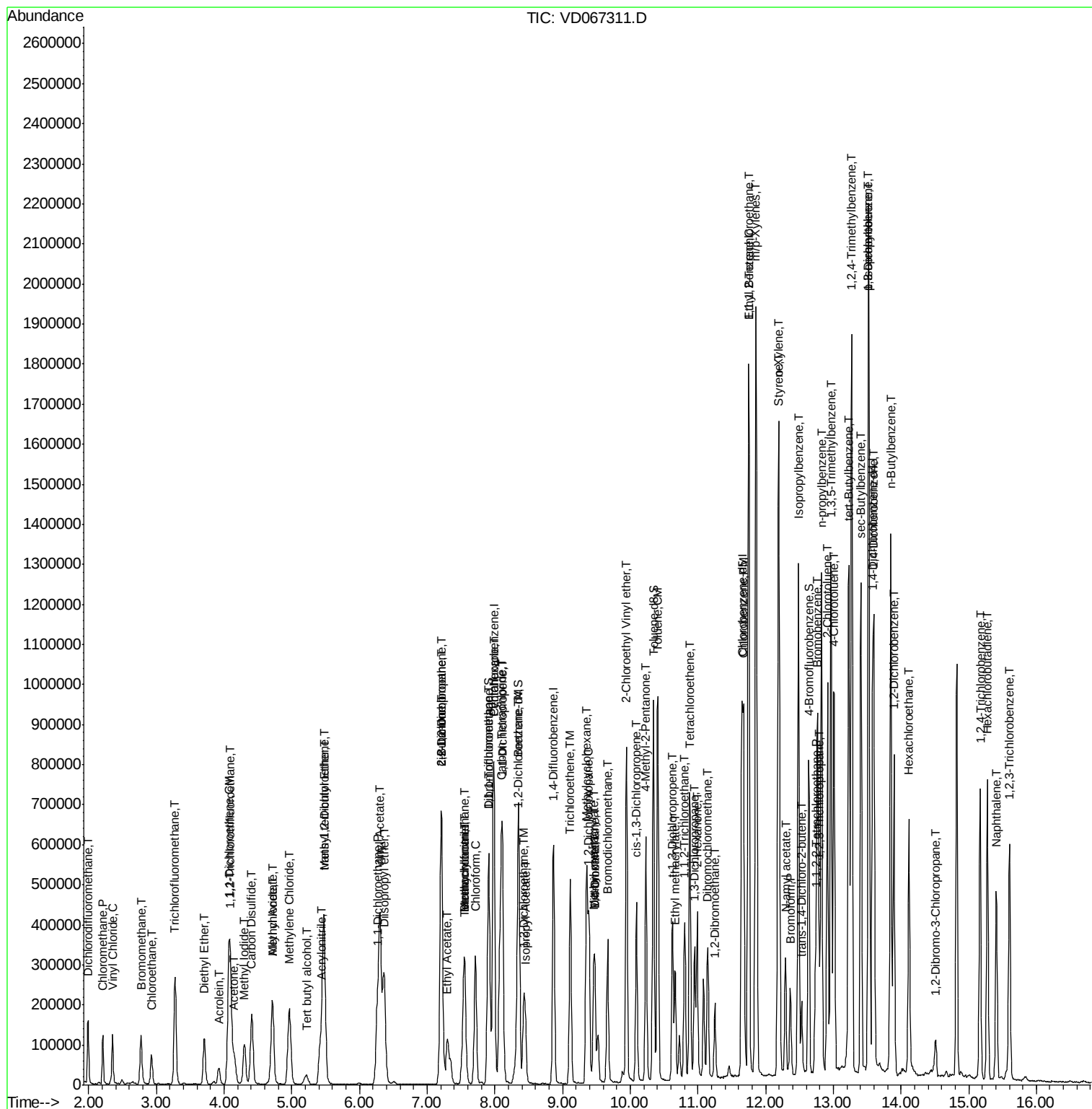
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248013	55.508	ug/l	98
94) Hexachlorobutadiene	15.28	225	149223	53.782	ug/l	99
95) Naphthalene	15.41	128	430966	58.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215942	55.944	ug/l	97

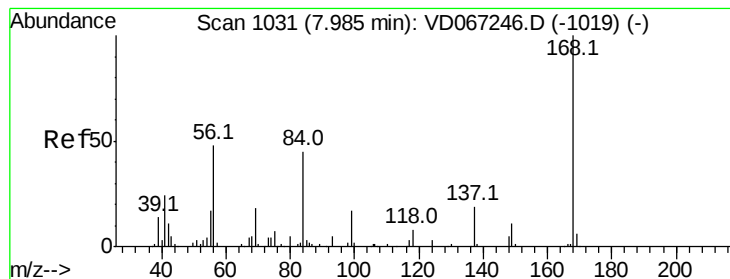
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

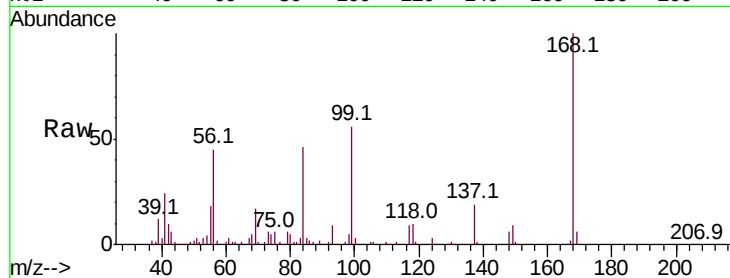
VSTDCCC050EC

Tot Ion:168 Resp: 357045

Ion Ratio Lower Upper

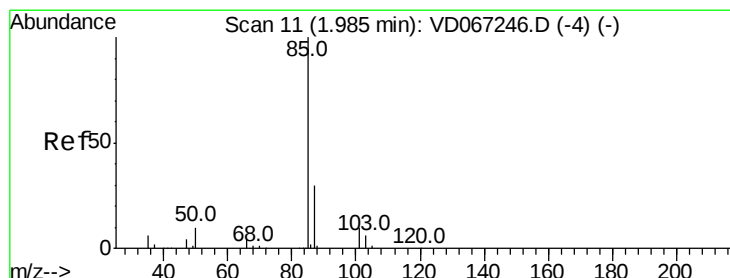
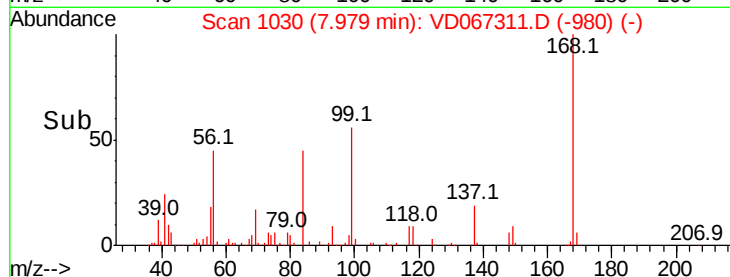
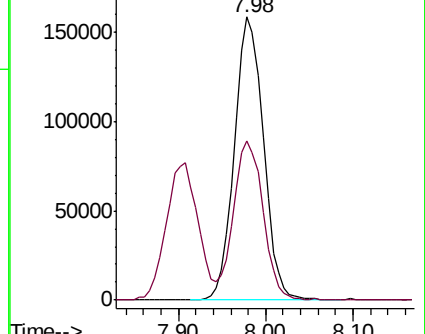
168 100

99 56.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.063 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067311.D

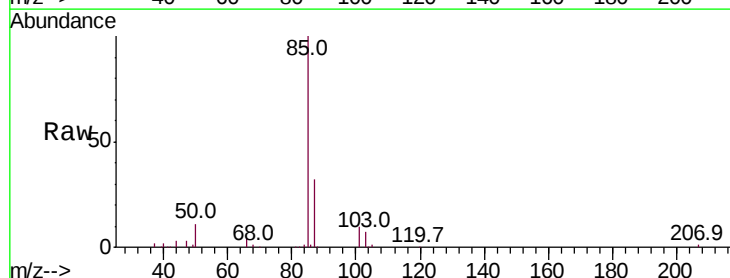
Acq: 19 Oct 2020 16:45

Tgt Ion: 85 Resp: 125155

Ion Ratio Lower Upper

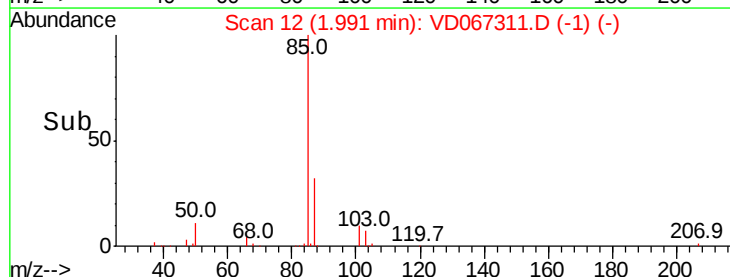
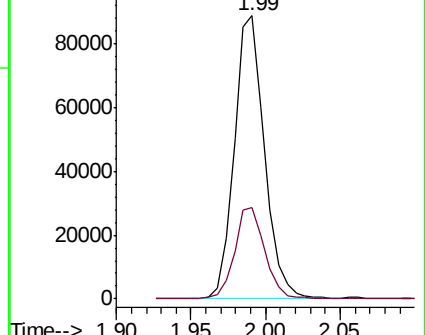
85 100

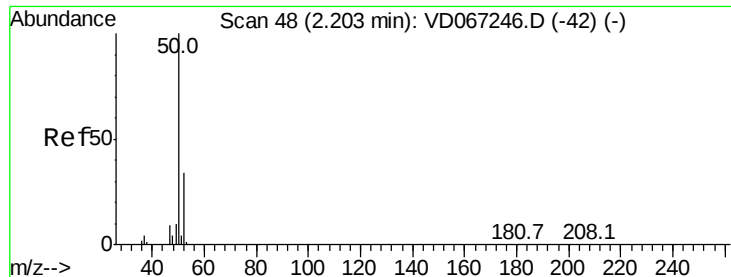
87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.164 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

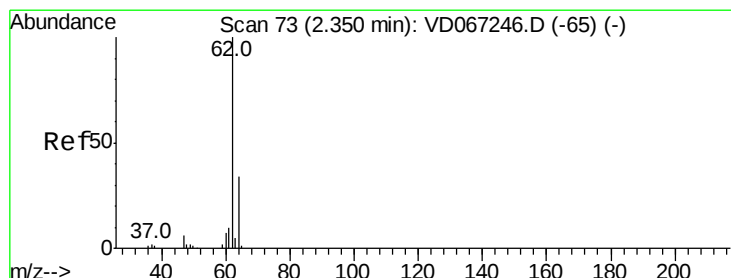
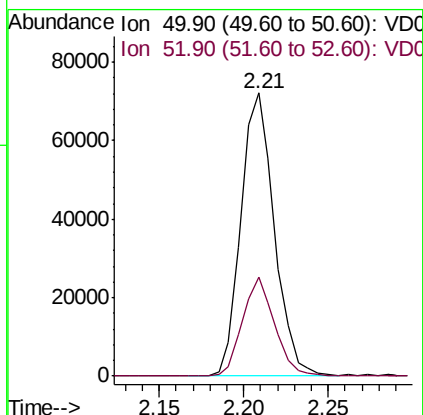
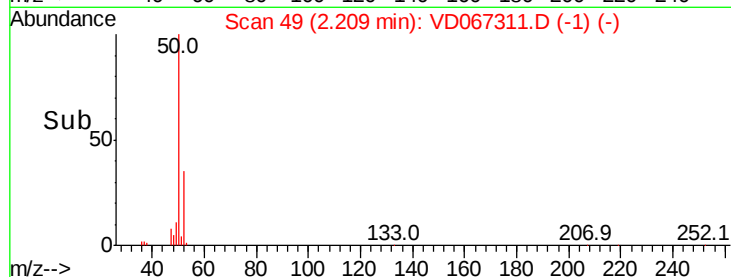
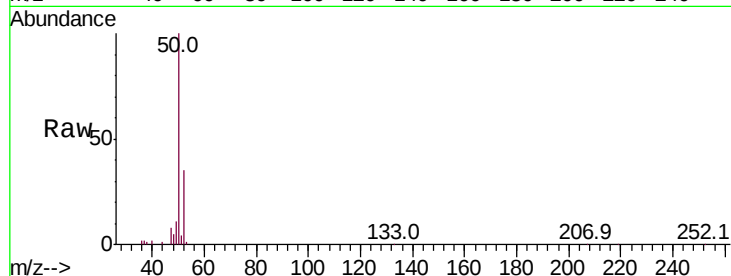
VSTDCCC050EC

Tot Ion: 50 Resp: 99238

Ion Ratio Lower Upper

50 100

52 34.8 27.1 40.7



#4

Vinyl Chloride

Concen: 44.935 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067311.D

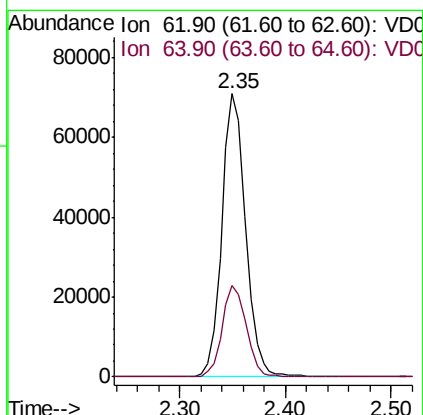
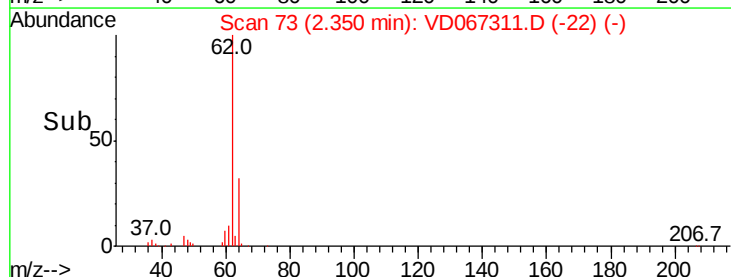
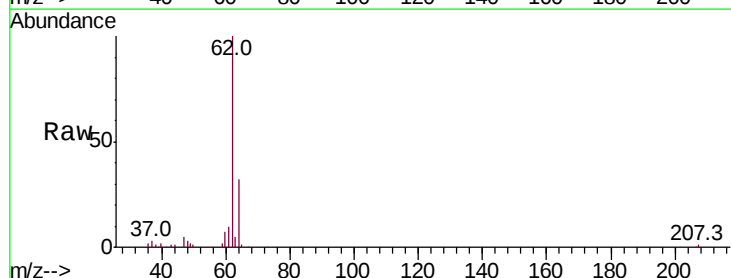
Acq: 19 Oct 2020 16:45

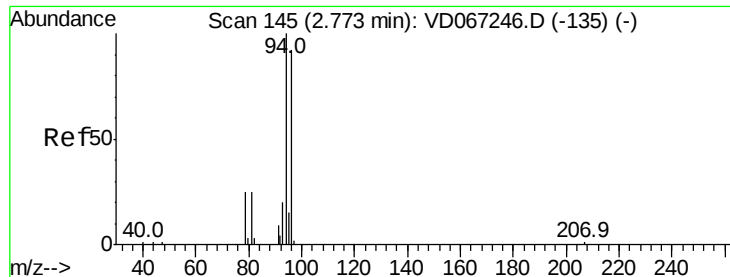
Tgt Ion: 62 Resp: 110788

Ion Ratio Lower Upper

62 100

64 32.2 27.4 41.0





#5

Bromomethane

Concen: 51.627 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

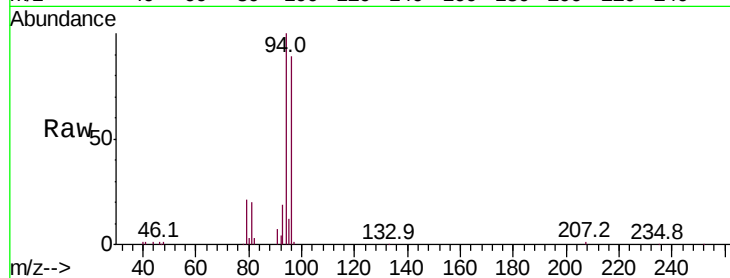
VSTDCCC050EC

Tot Ion: 94 Resp: 88444

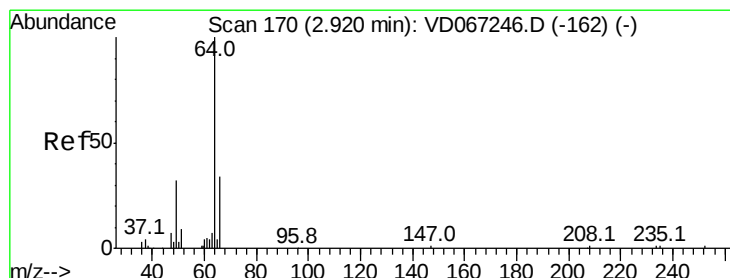
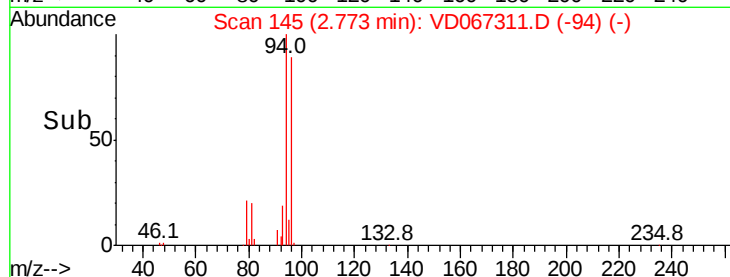
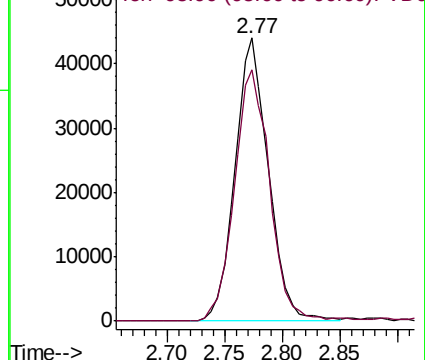
Ion Ratio Lower Upper

94 100

96 88.9 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.969 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067311.D

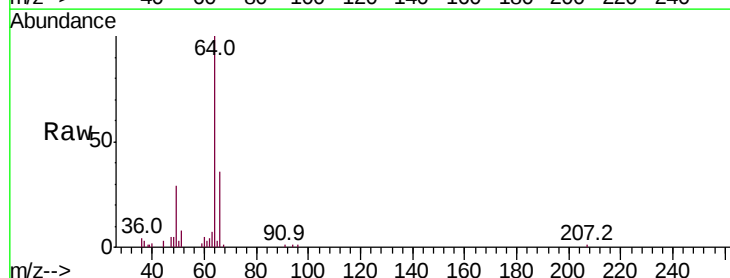
Acq: 19 Oct 2020 16:45

Tgt Ion: 64 Resp: 69048

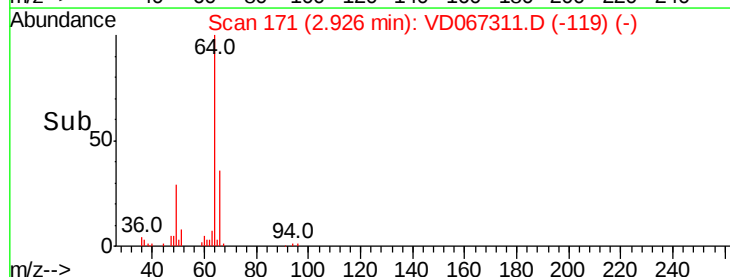
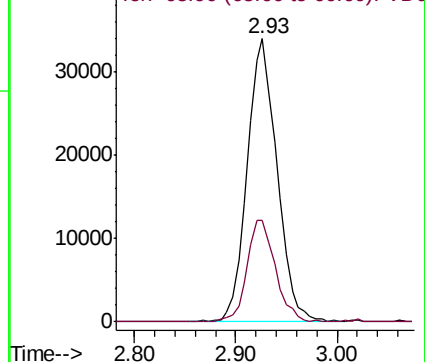
Ion Ratio Lower Upper

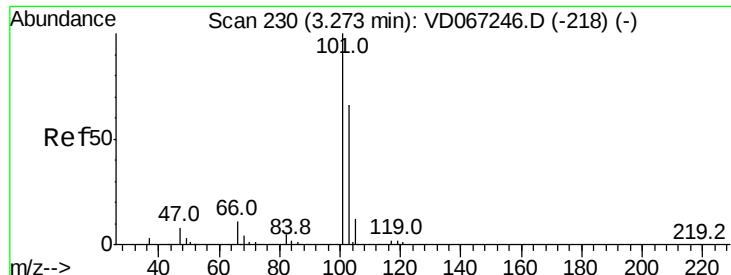
64 100

66 35.8 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



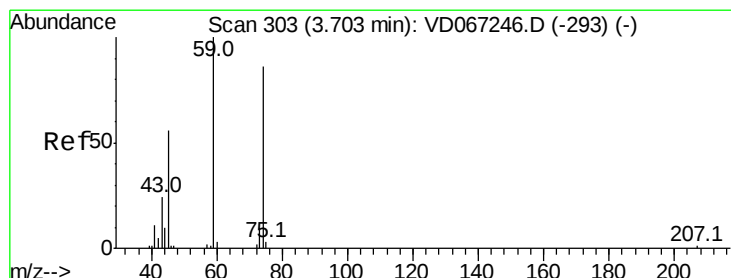
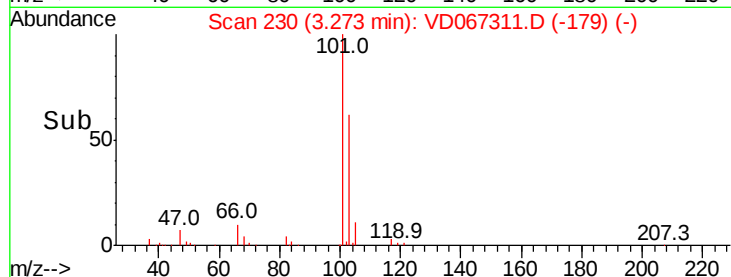
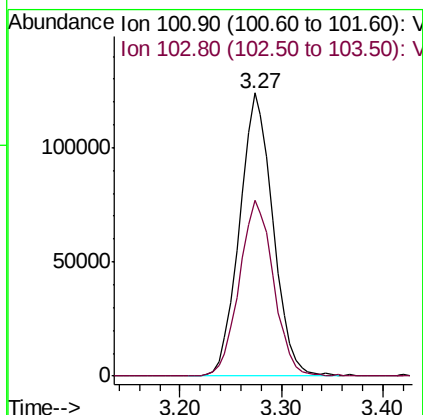
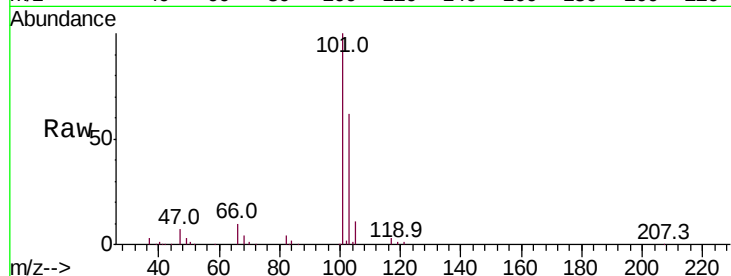


#7

Trichlorofluoromethane
 Concen: 45.783 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

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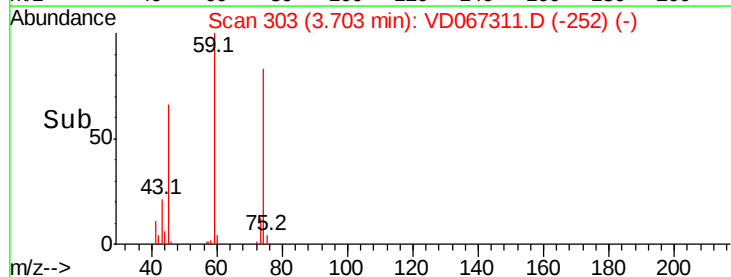
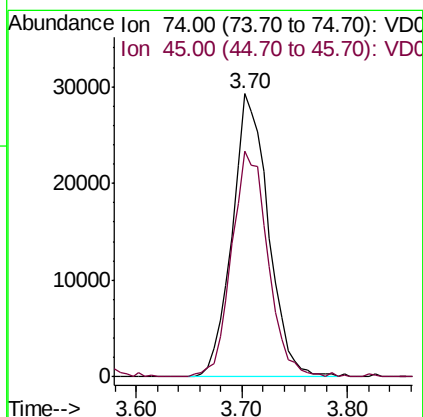
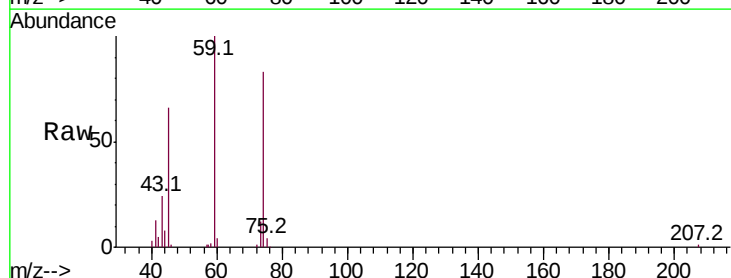
Tot Ion:101 Resp: 284238
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.1 79.7

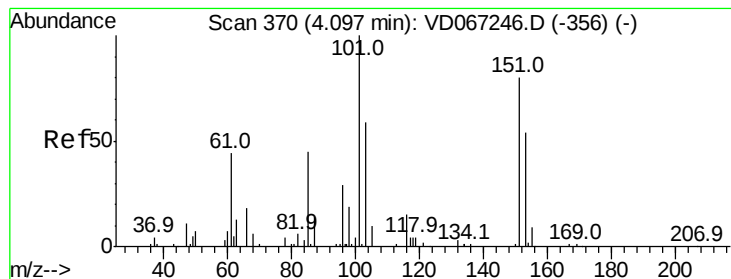


#8

Diethyl Ether
 Concen: 48.882 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 74 Resp: 69443
 Ion Ratio Lower Upper
 74 100
 45 79.6 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.577 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

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VSTDCCC050EC

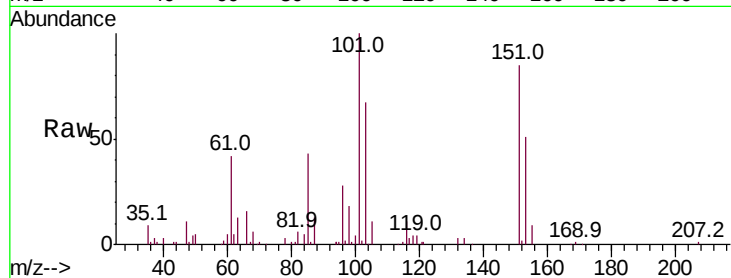
Tot Ion:101 Resp: 156932

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.4

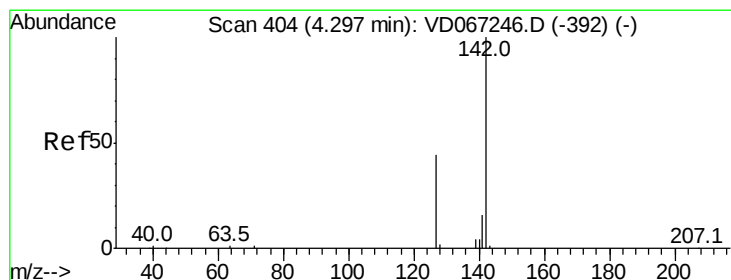
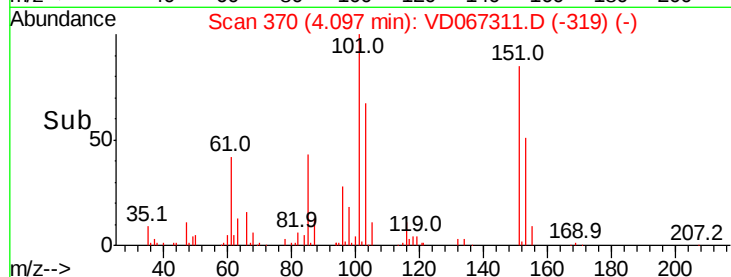
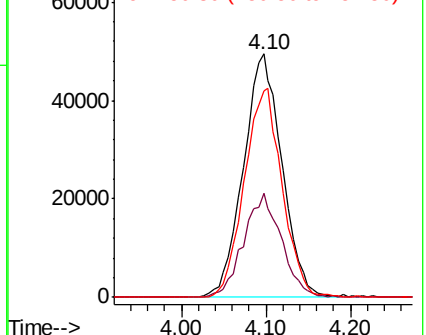
151 84.3 66.3 99.5



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: 54.697 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

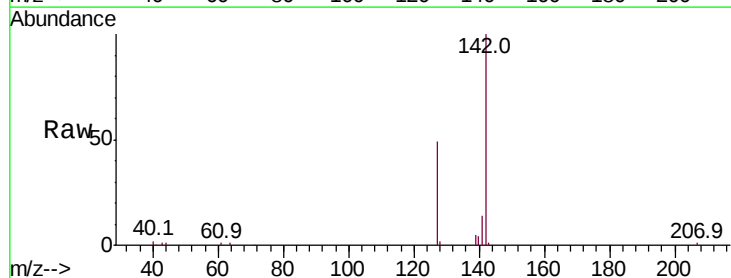
Tgt Ion:142 Resp: 166426

Ion Ratio Lower Upper

142 100

127 48.0 38.4 57.6

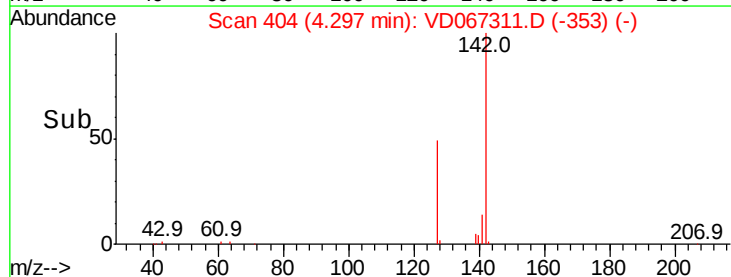
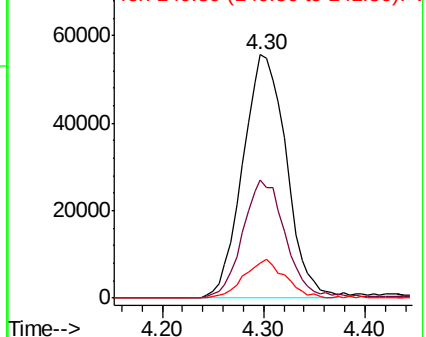
141 15.1 11.6 17.4

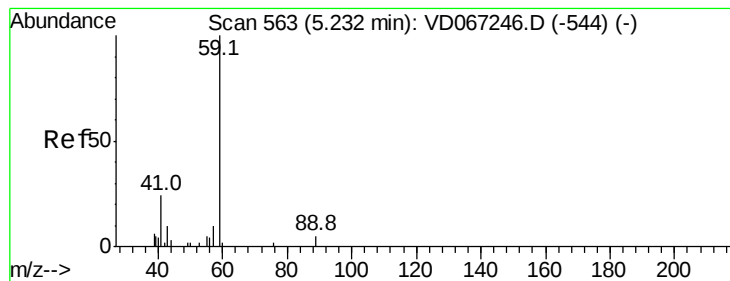


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



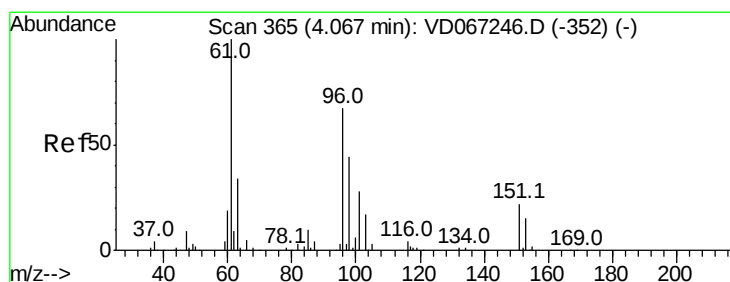
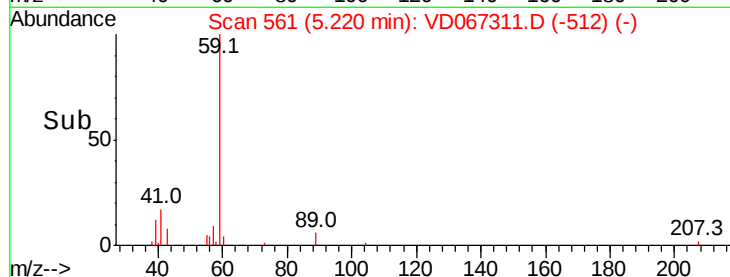
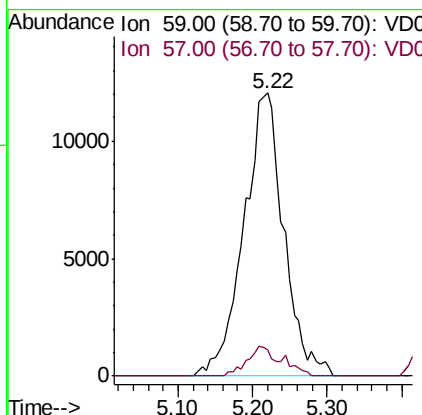
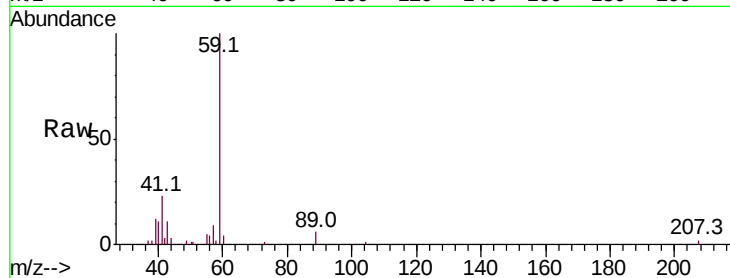


#11

Tert butyl alcohol
 Concen: 239.343 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

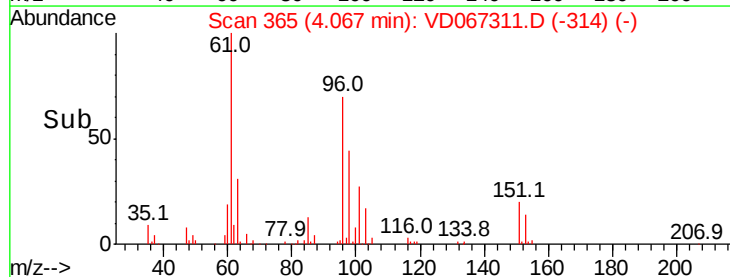
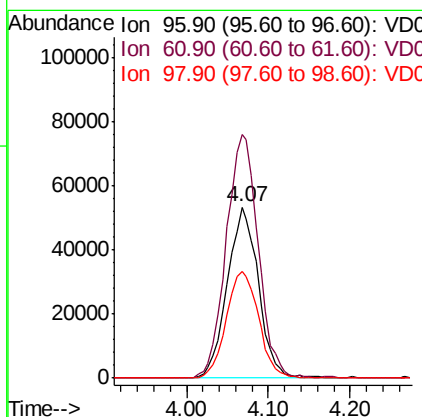
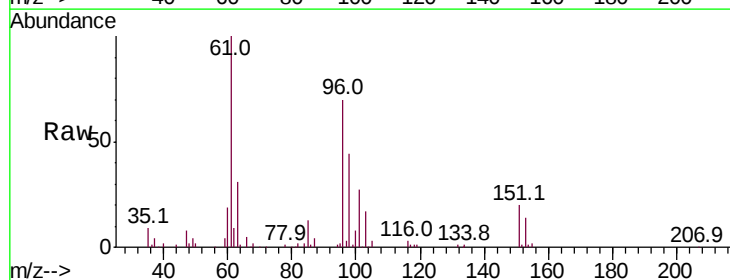
Tot Ion: 59 Resp: 44873
 Ion Ratio Lower Upper
 59 100
 57 6.6 5.1 7.7

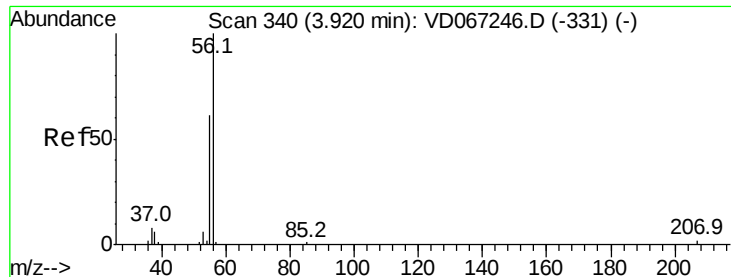


#12

1,1-Dichloroethene
 Concen: 47.836 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 96 Resp: 140960
 Ion Ratio Lower Upper
 96 100
 61 142.6 118.6 177.8
 98 62.3 51.8 77.6





#13

Acrolein

Concen: 234.644 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

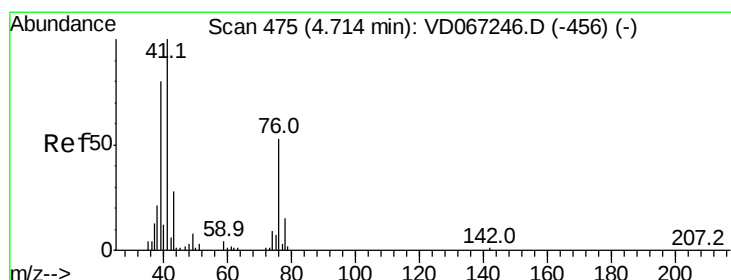
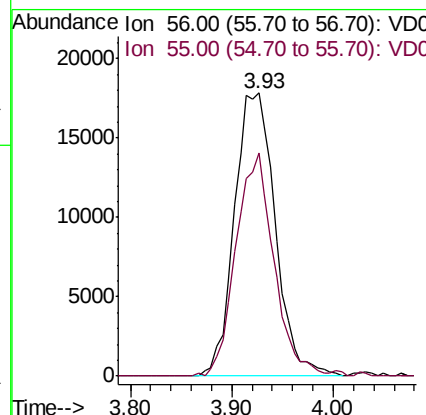
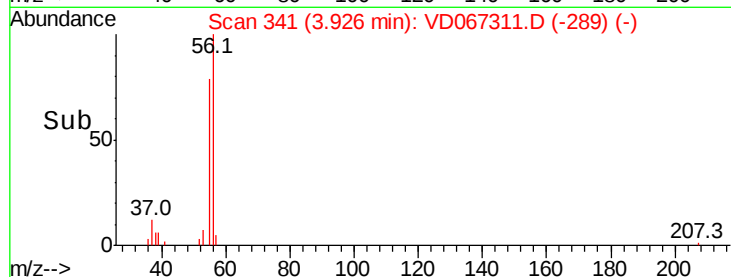
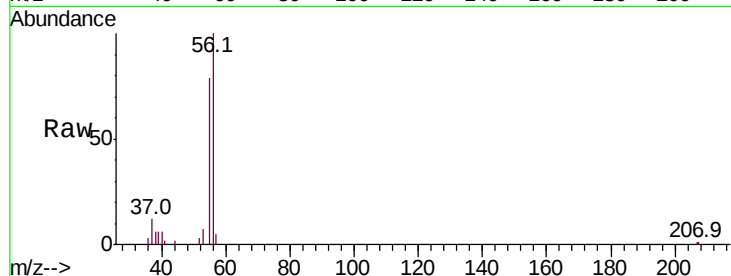
VSTDCCC050EC

Tot Ion: 56 Resp: 49852

Ion Ratio Lower Upper

56 100

55 73.2 56.0 84.0



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

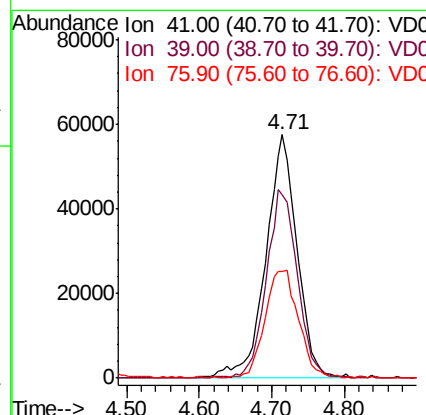
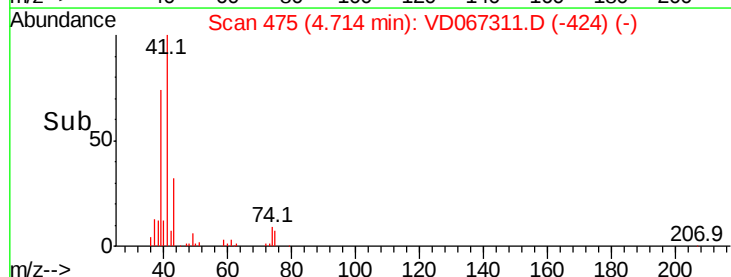
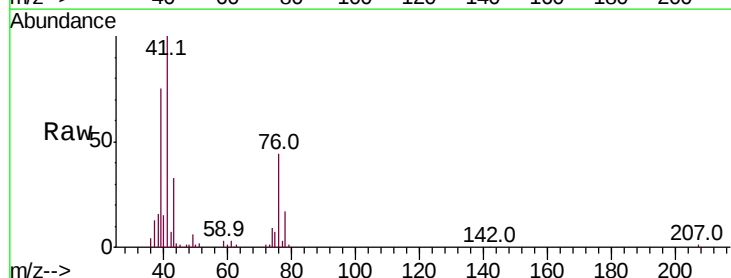
Tgt Ion: 41 Resp: 173106

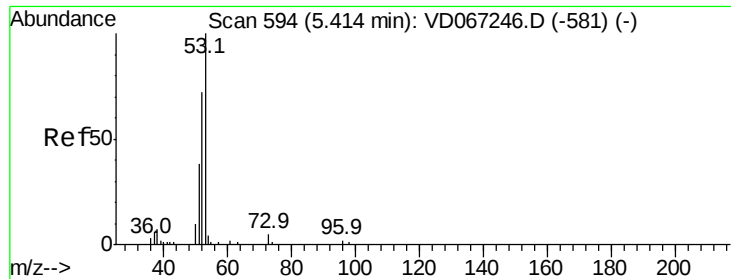
Ion Ratio Lower Upper

41 100

39 77.3 63.8 95.6

76 47.6 40.4 60.6





#15

Acrylonitrile

Concen: 259.908 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

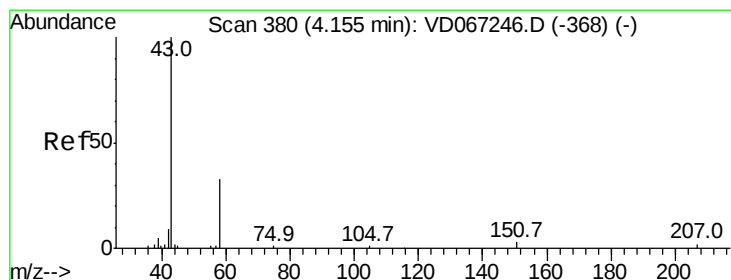
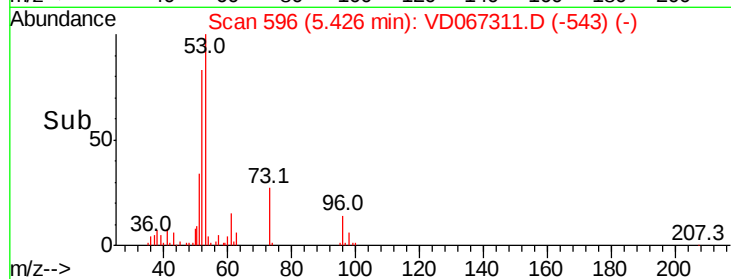
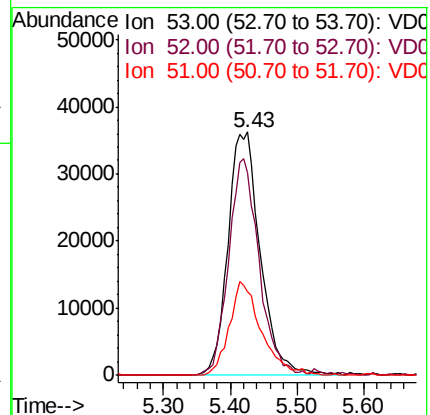
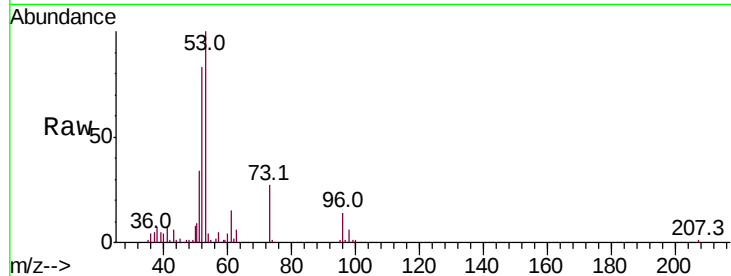
Tot Ion: 53 Resp: 123203

Ion Ratio Lower Upper

53 100

52 83.7 65.6 98.4

51 38.1 30.8 46.2



#16

Acetone

Concen: 218.953 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067311.D

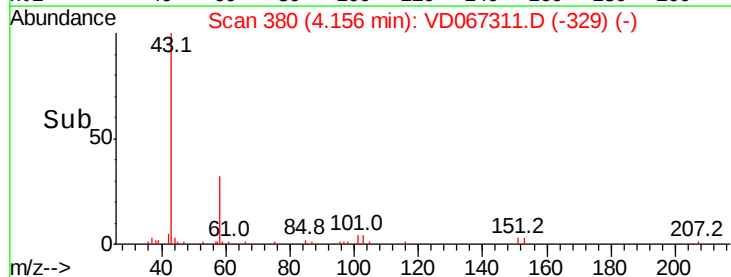
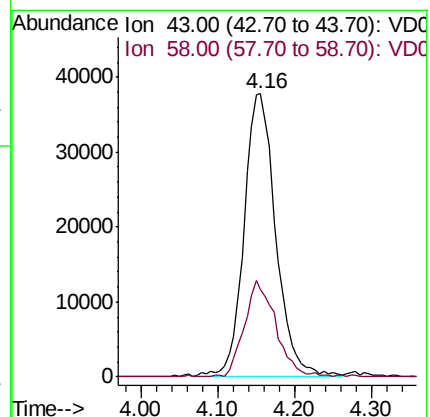
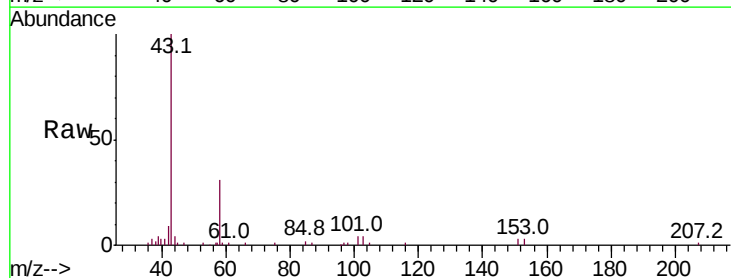
Acq: 19 Oct 2020 16:45

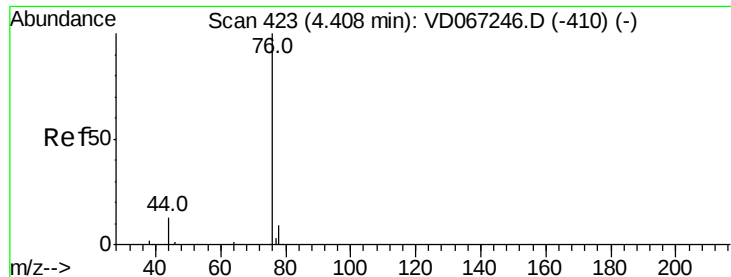
Tgt Ion: 43 Resp: 109688

Ion Ratio Lower Upper

43 100

58 31.1 26.1 39.1

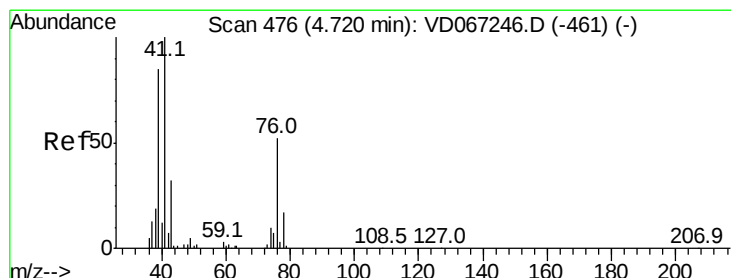
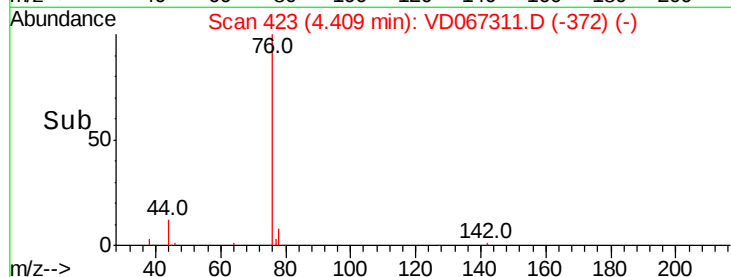
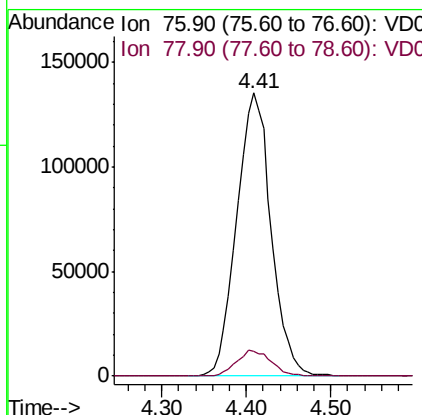
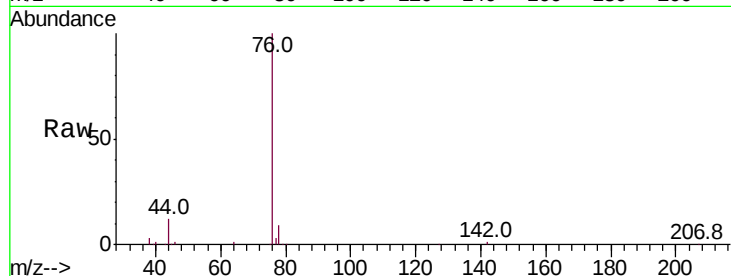




#17
Carbon Disulfide
Concen: 45.566 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

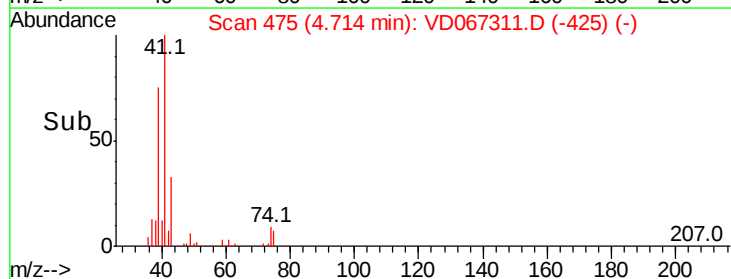
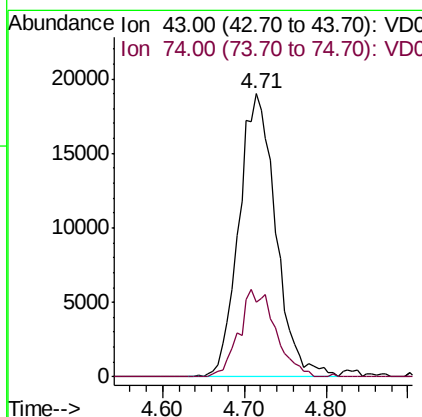
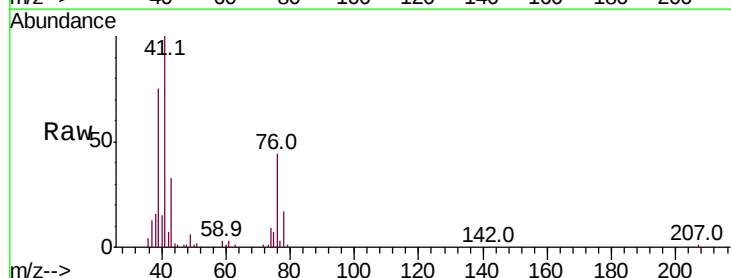
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

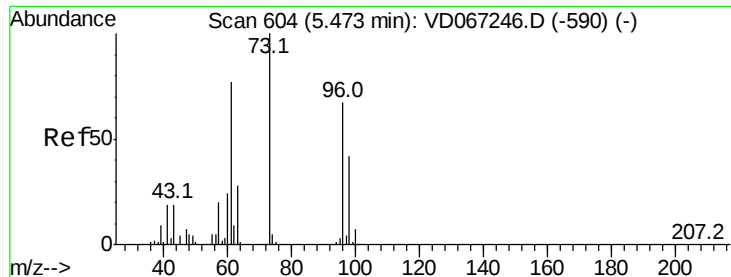
Tot Ion: 76 Resp: 382779
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 52.254 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 43 Resp: 59707
Ion Ratio Lower Upper
43 100
74 30.3 26.6 39.8



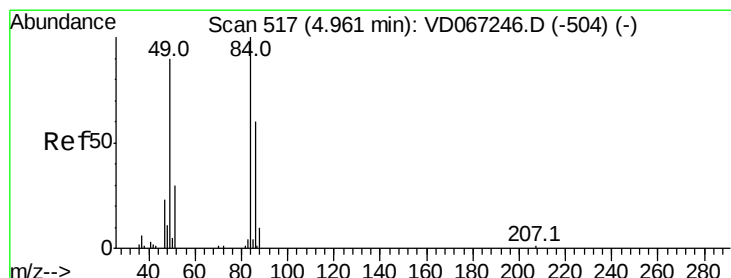
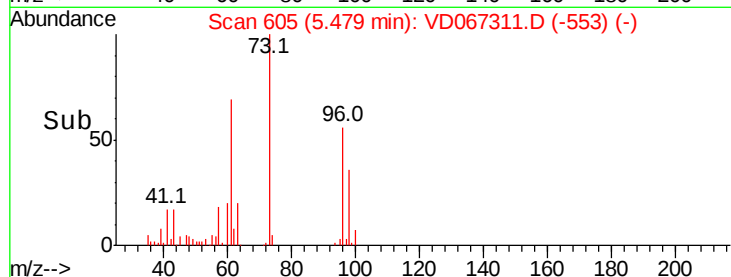
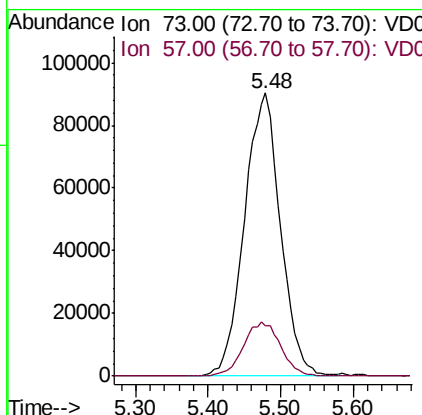
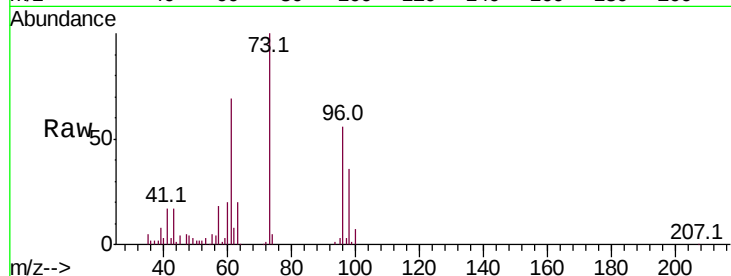


#19

Methyl tert-butyl Ether
 Concen: 53.294 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

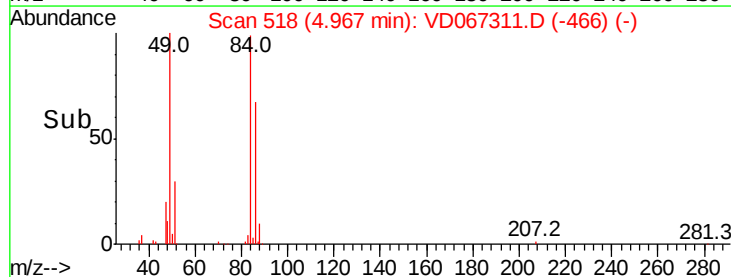
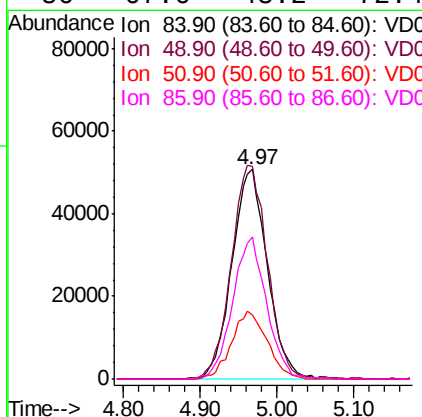
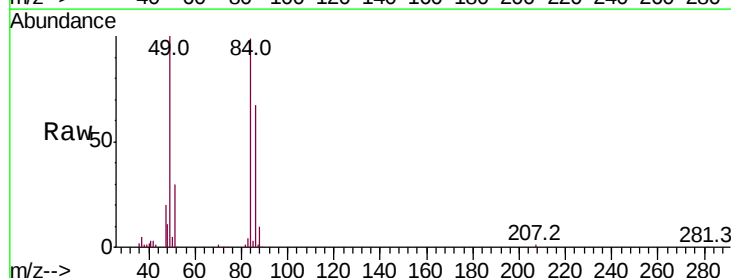
Tot Ion: 73 Resp: 312271
 Ion Ratio Lower Upper
 73 100
 57 18.0 15.7 23.5

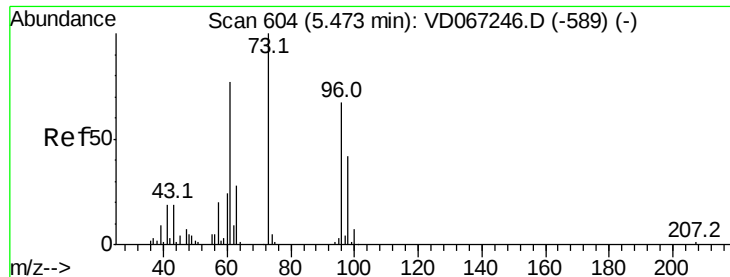


#20

Methylene Chloride
 Concen: 50.850 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 84 Resp: 162929
 Ion Ratio Lower Upper
 84 100
 49 100.9 72.2 108.2
 51 30.5 23.8 35.8
 86 67.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.602 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

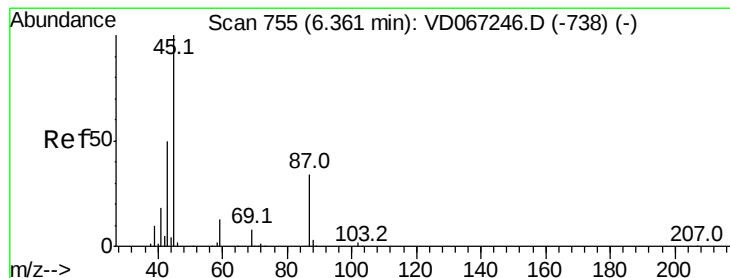
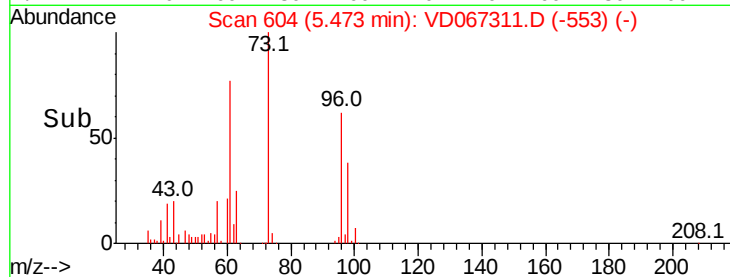
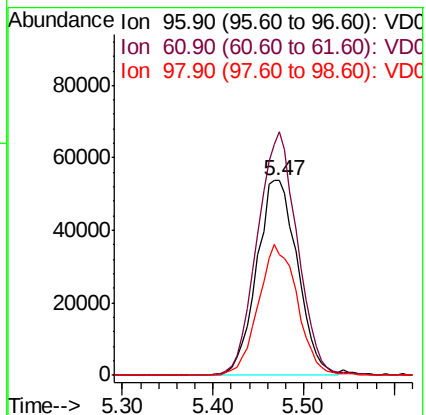
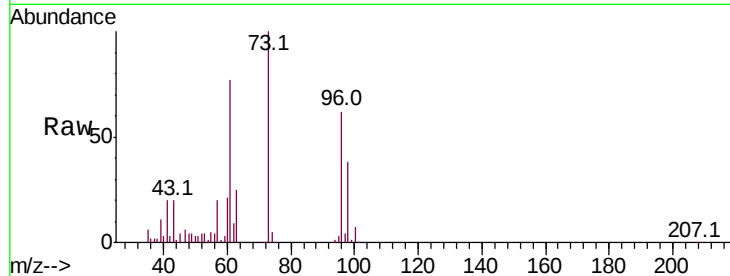
Tot Ion: 96 Resp: 168205

Ion Ratio Lower Upper

96 100

61 125.1 92.0 138.0

98 62.2 49.8 74.8



#22

Diisopropyl ether

Concen: 54.612 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion: 45 Resp: 336657

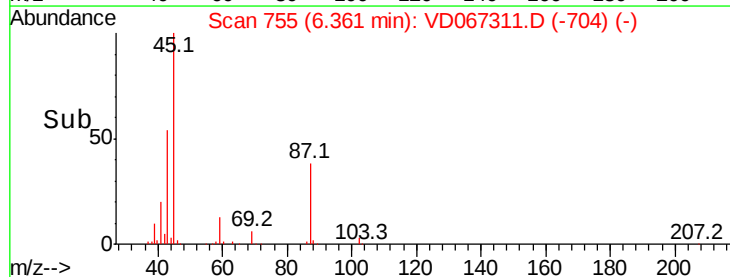
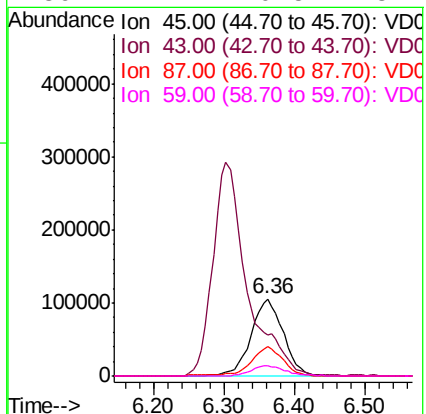
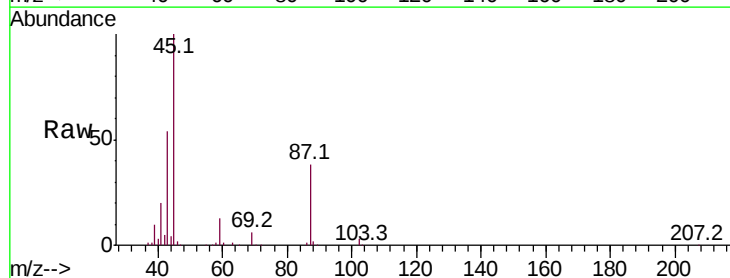
Ion Ratio Lower Upper

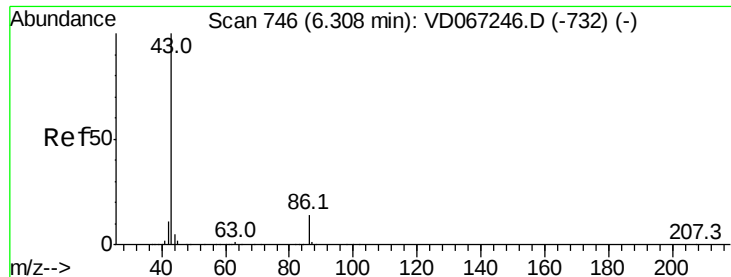
45 100

43 52.1 48.0 72.0

87 37.8 28.5 42.7

59 12.7 10.5 15.7





#23

Vinyl Acetate

Concen: 282.180 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

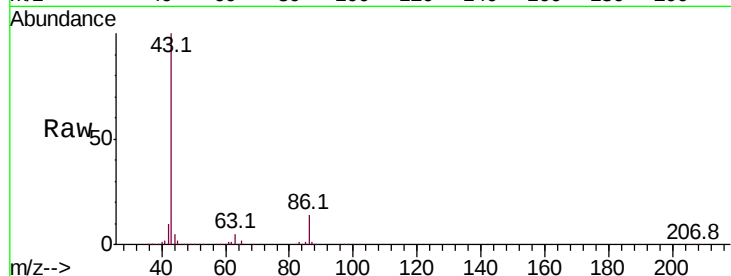
VSTDCCC050EC

Tot Ion: 43 Resp: 989647

Ion Ratio Lower Upper

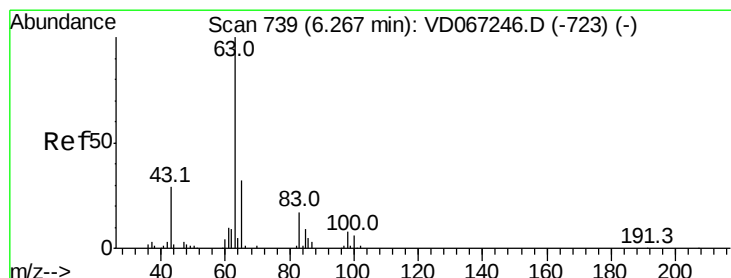
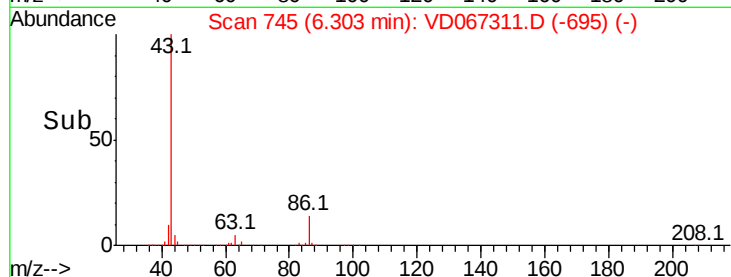
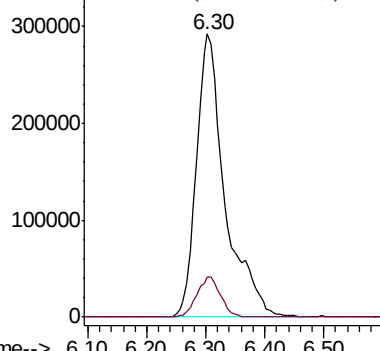
43 100

86 14.3 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: 51.572 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

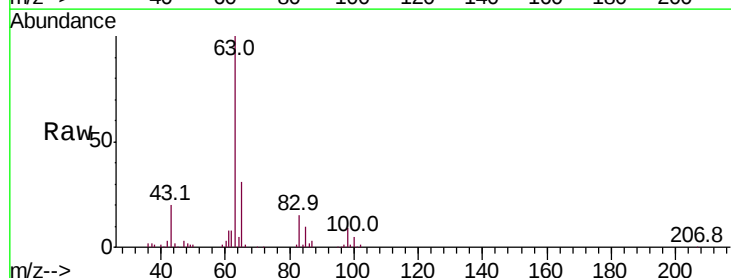
Tgt Ion: 63 Resp: 272141

Ion Ratio Lower Upper

63 100

98 8.9 4.0 12.2

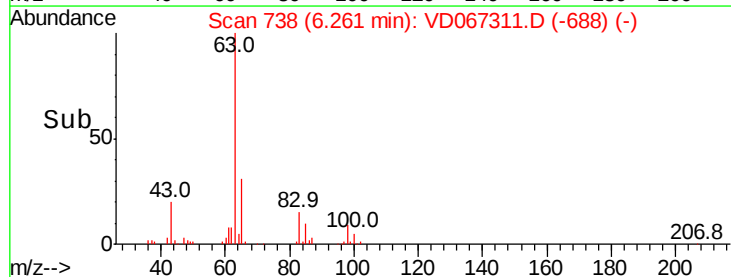
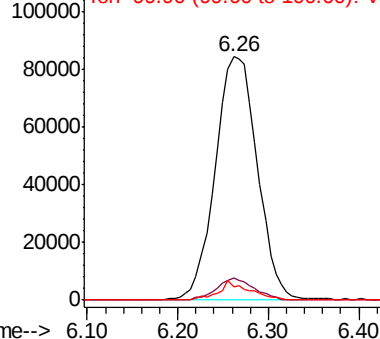
100 5.3 2.8 8.4

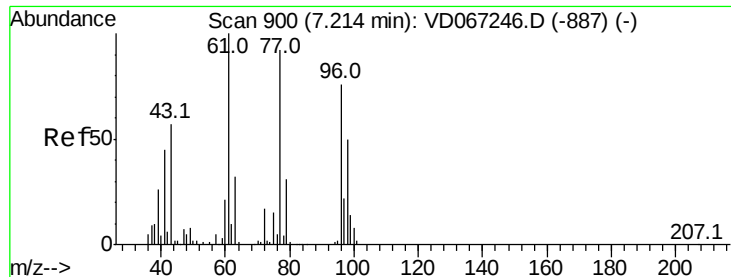


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 266.552 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

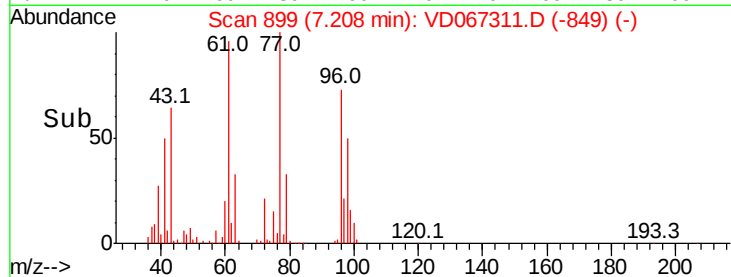
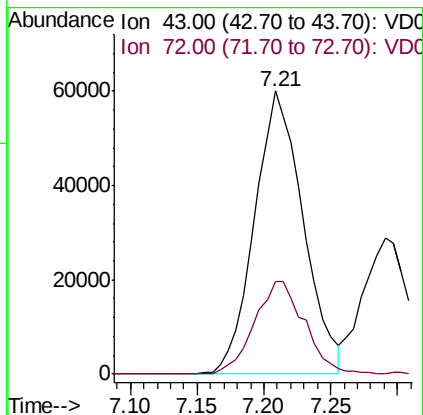
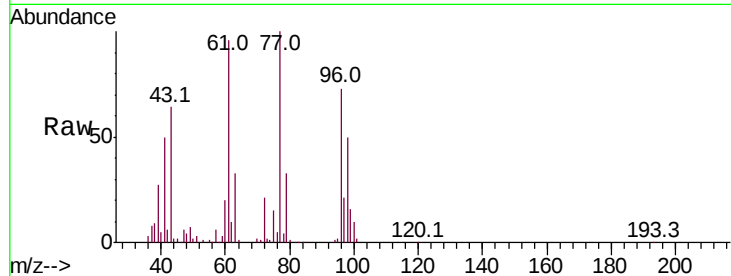
VSTDCCC050EC

Tot Ion: 43 Resp: 152215

Ion Ratio Lower Upper

43 100

72 32.8 23.7 35.5



#26

2,2-Dichloropropane

Concen: 49.171 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067311.D

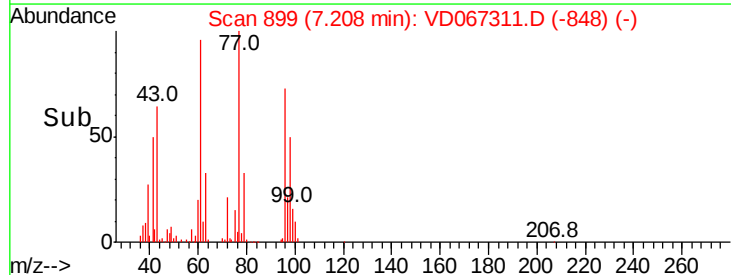
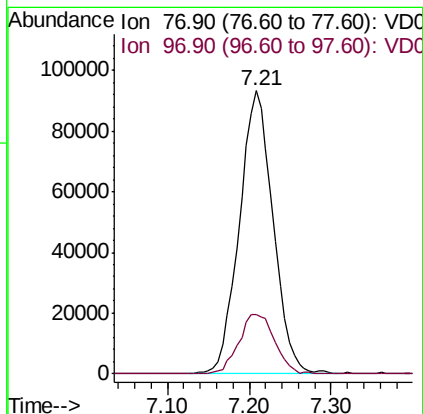
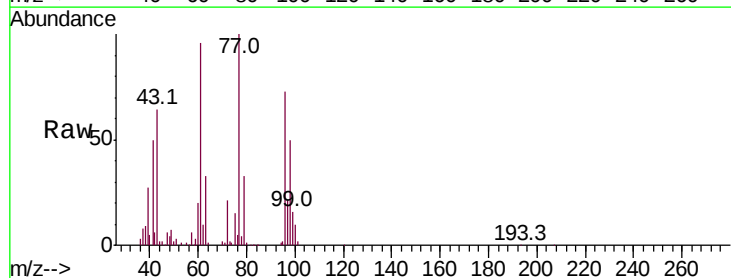
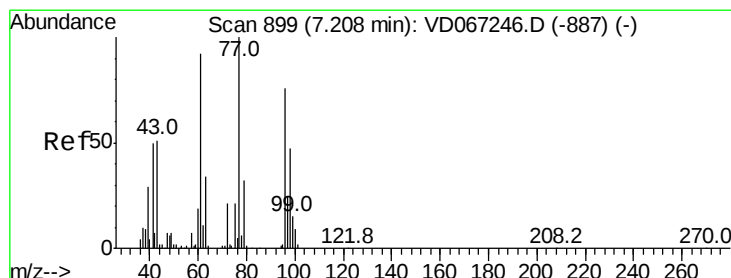
Acq: 19 Oct 2020 16:45

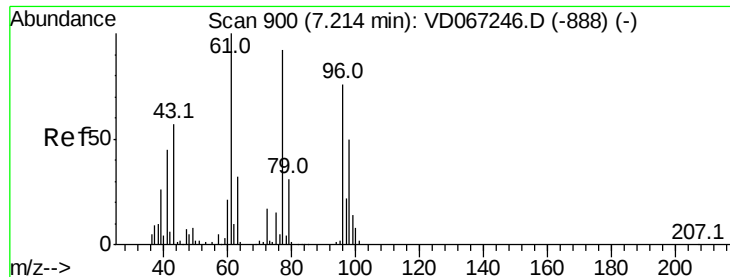
Tgt Ion: 77 Resp: 267444

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2



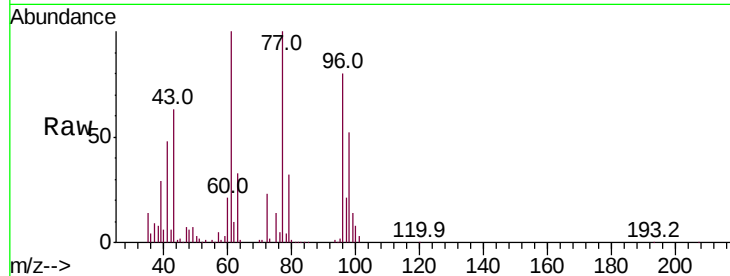


#27

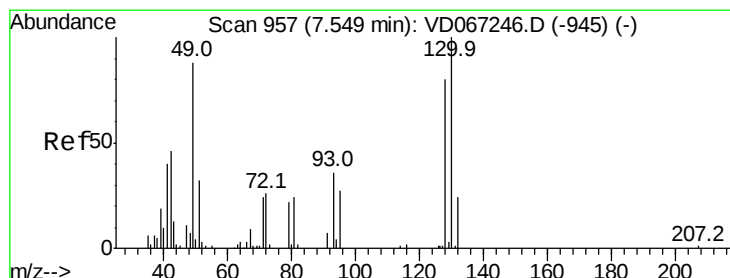
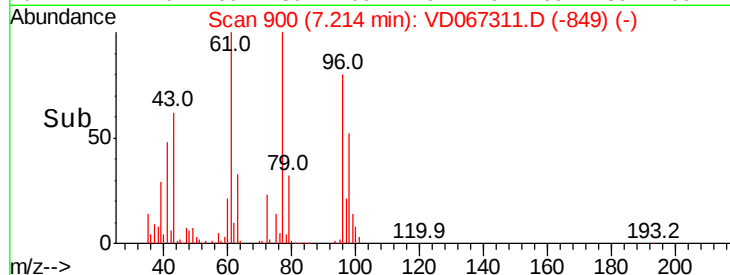
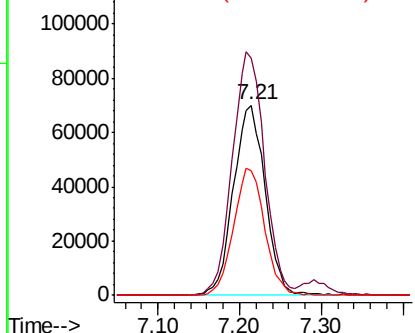
cis-1,2-Dichloroethene
Concen: 50.878 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 189088
Ion Ratio Lower Upper
96 100
61 129.8 0.0 255.4
98 65.3 0.0 128.0



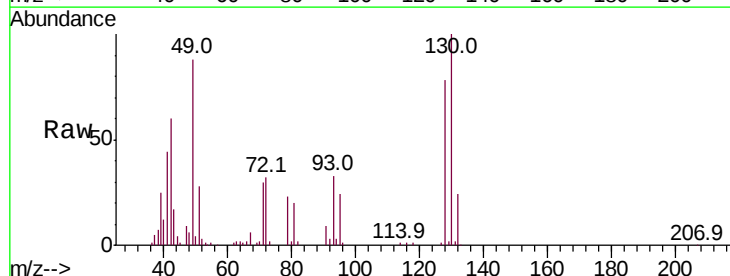
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



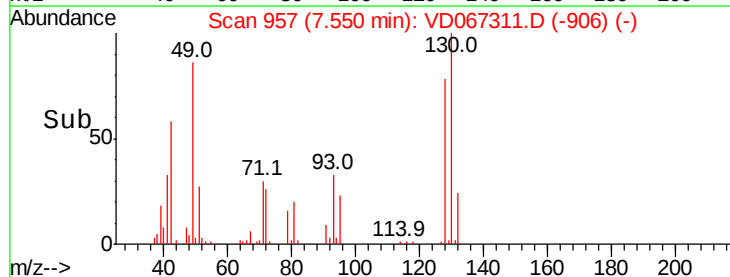
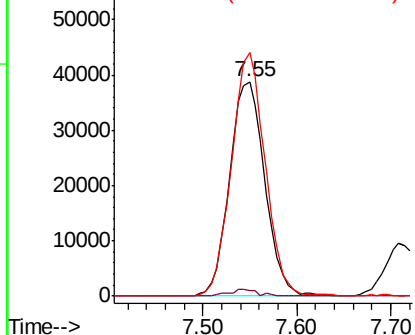
#28

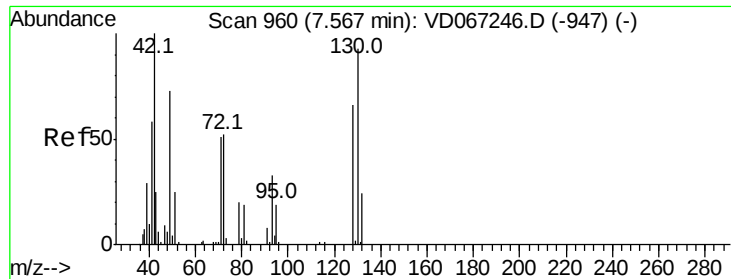
Bromochloromethane
Concen: 55.837 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 49 Resp: 100500
Ion Ratio Lower Upper
49 100
129 2.5 0.0 1.6#
130 109.2 91.0 136.6



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

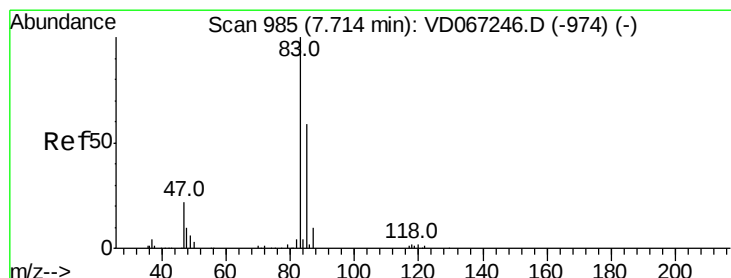
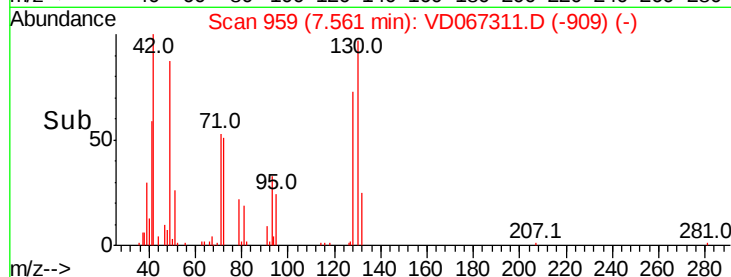
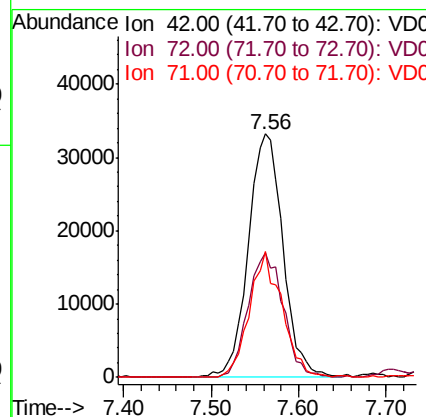
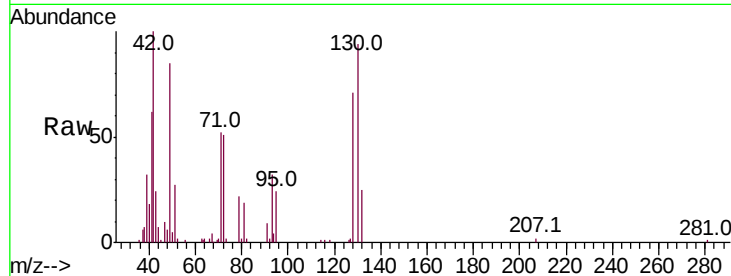




#29
Tetrahydrofuran
Concen: 281.638 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

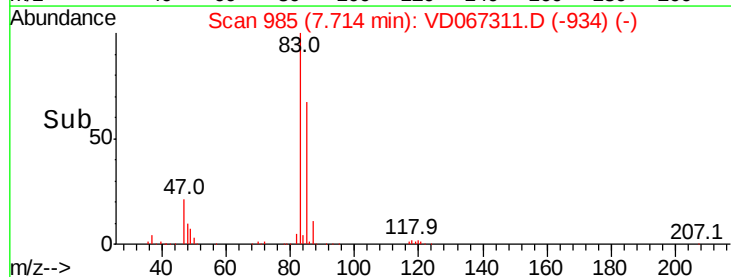
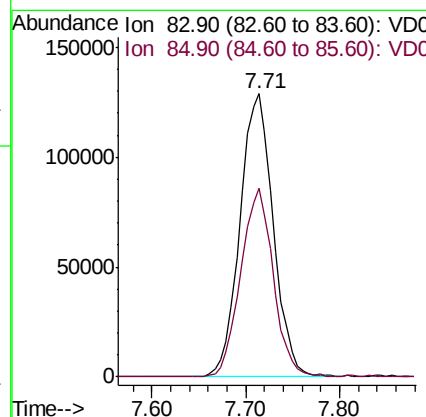
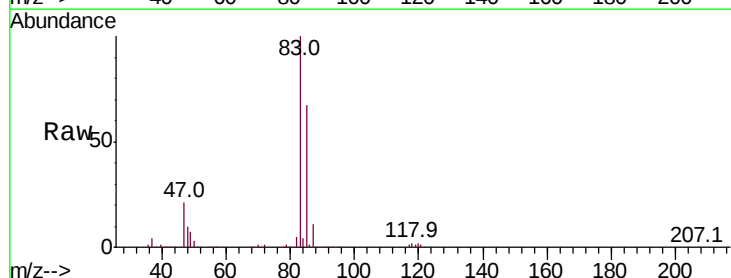
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

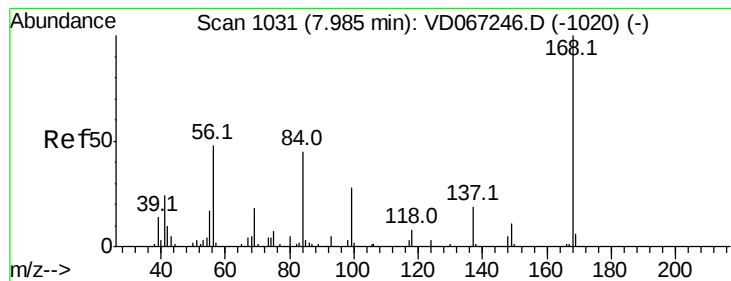
Tot Ion: 42 Resp: 89402
Ion Ratio Lower Upper
42 100
72 51.8 43.2 64.8
71 48.3 39.4 59.0



#30
Chloroform
Concen: 50.180 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 83 Resp: 316325
Ion Ratio Lower Upper
83 100
85 66.6 47.3 70.9





#31

Cvclohexane

Concen: 47.244 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

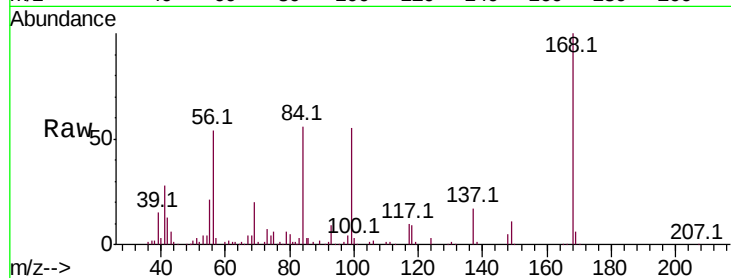
Tot Ion: 56 Resp: 194646

Ion Ratio Lower Upper

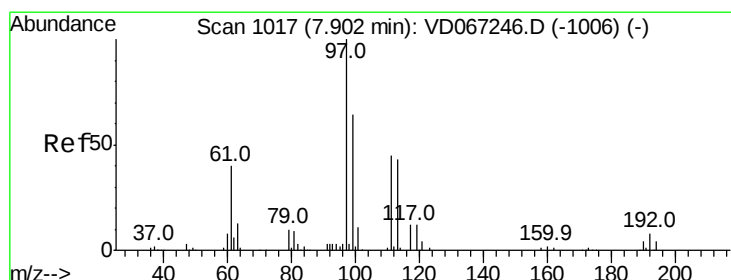
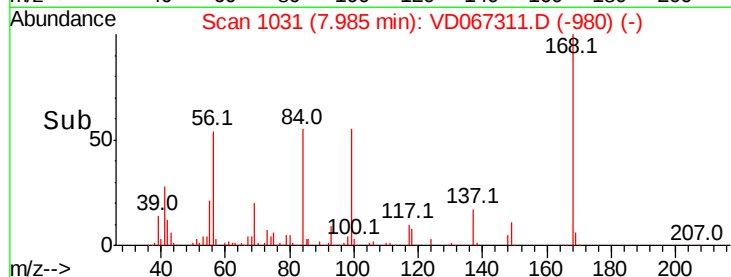
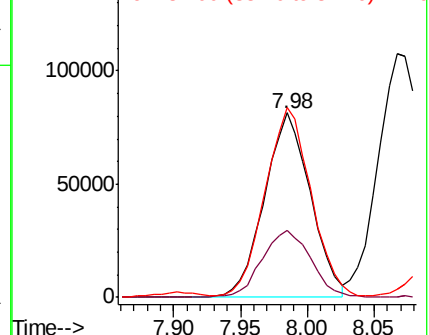
56 100

69 35.9 29.8 44.6

84 100.8 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 49.316 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

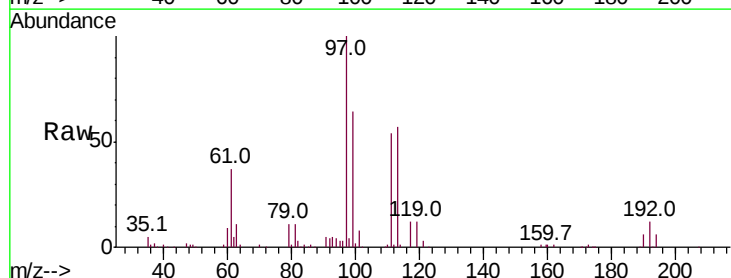
Tgt Ion: 97 Resp: 305024

Ion Ratio Lower Upper

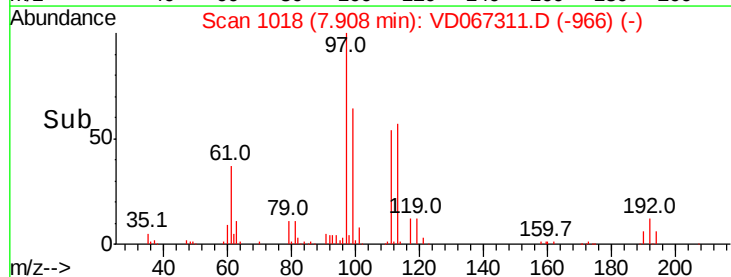
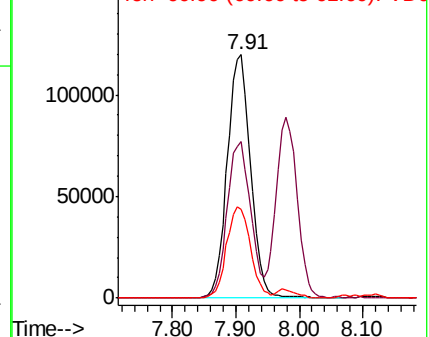
97 100

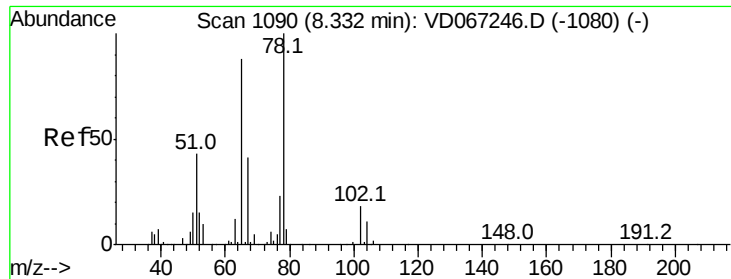
99 64.7 50.2 75.4

61 38.5 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 48.565 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

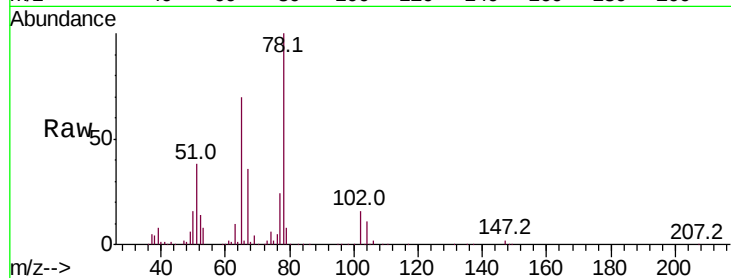
VSTDCCC050EC

Tot Ion: 65 Resp: 173720

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

60000

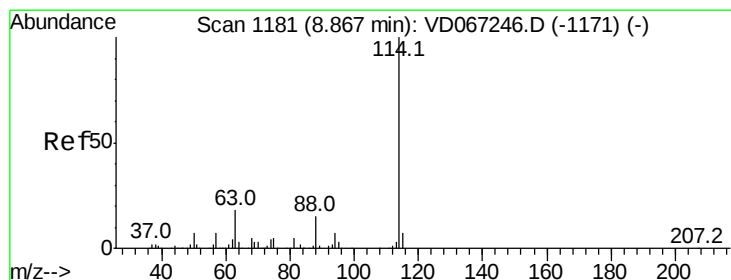
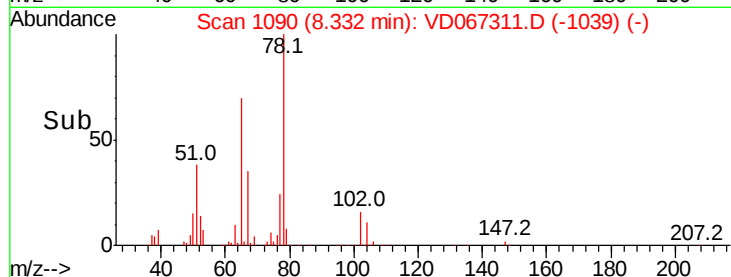
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

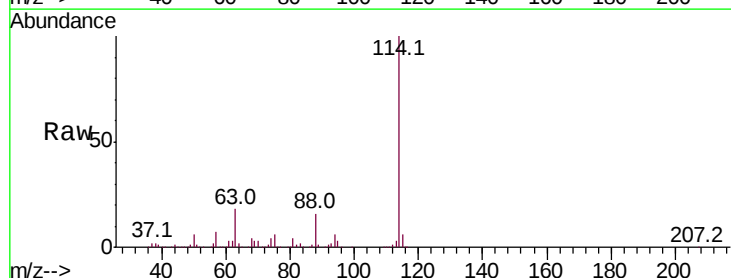
Tgt Ion: 114 Resp: 539971

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 15.6 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

8.87

300000

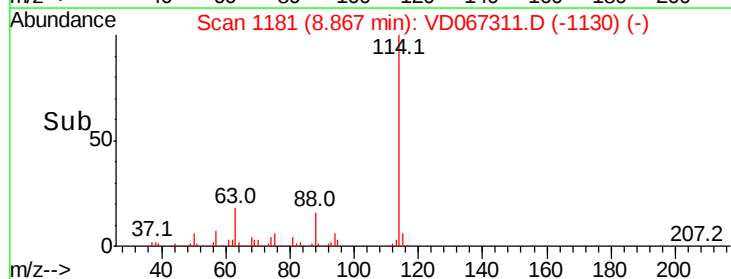
200000

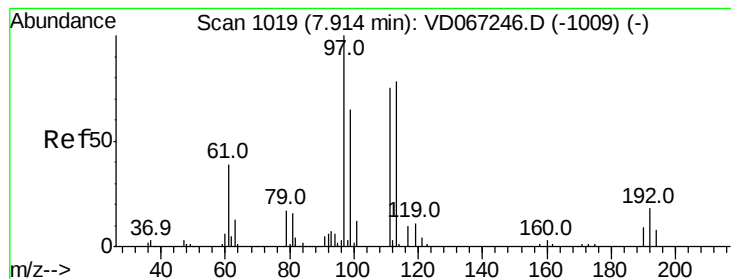
100000

0

8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 50.343 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

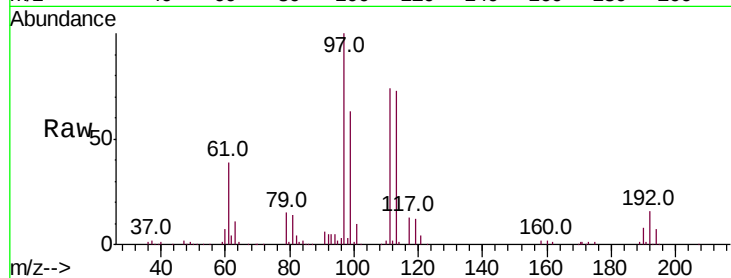
Tot Ion:113 Resp: 180909

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

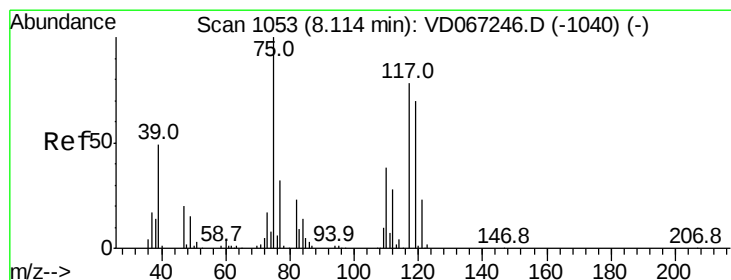
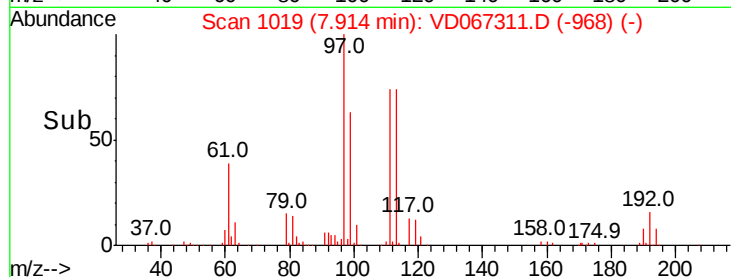
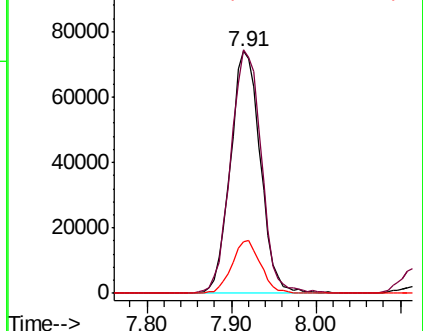
192 20.8 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.506 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

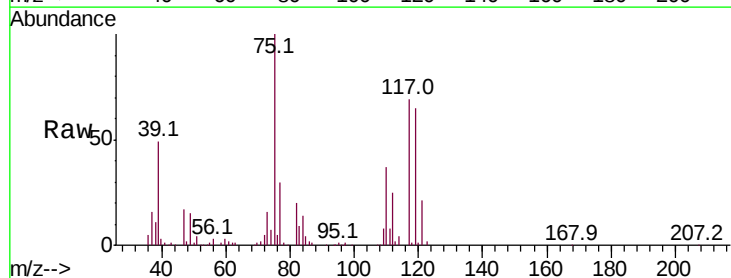
Tgt Ion: 75 Resp: 226570

Ion Ratio Lower Upper

75 100

110 38.3 19.6 58.7

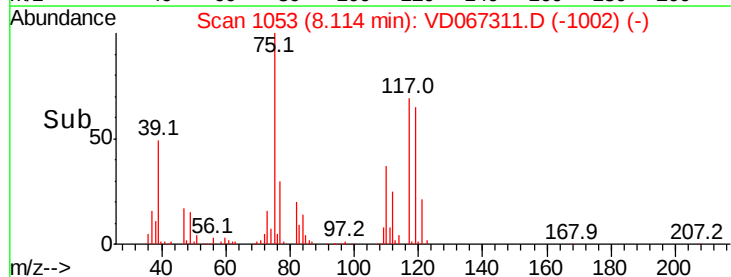
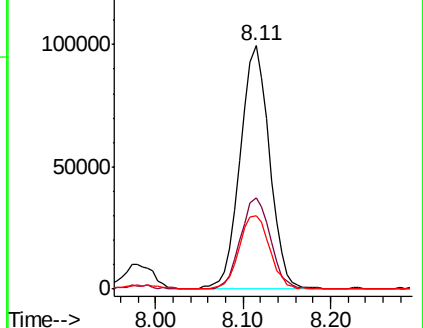
77 31.6 24.6 37.0

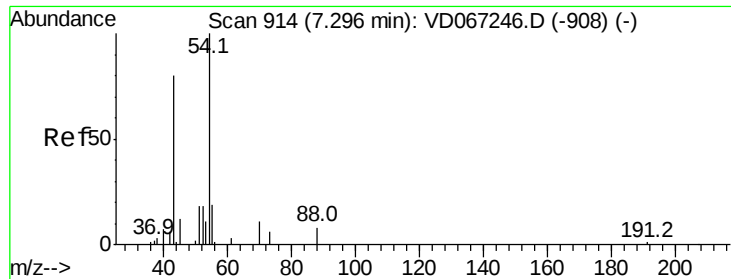


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

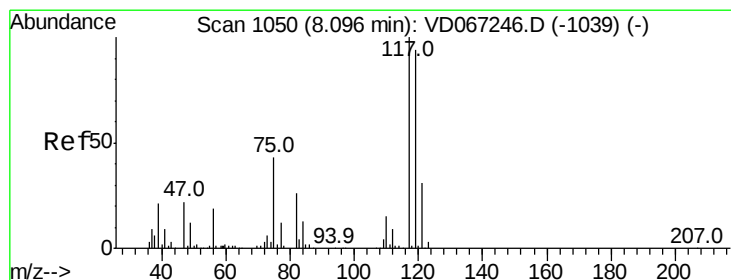
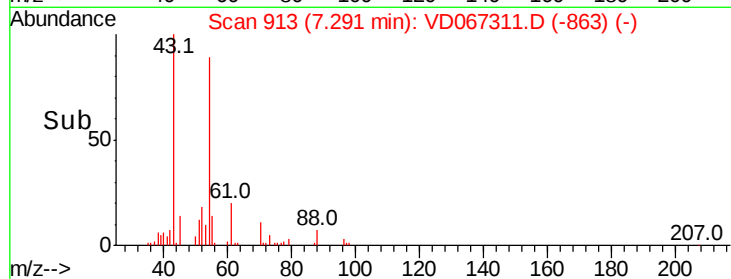
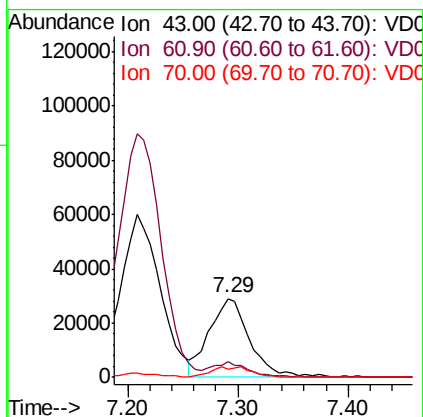
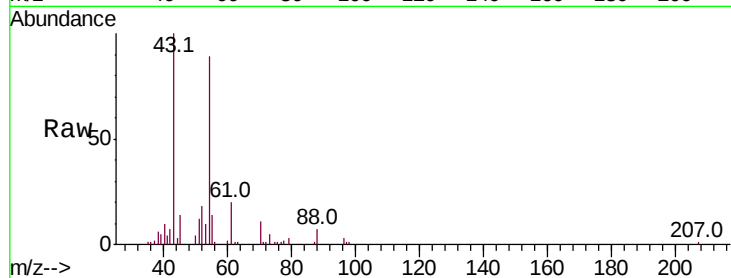




#37
Ethyl Acetate
Concen: 53.678 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

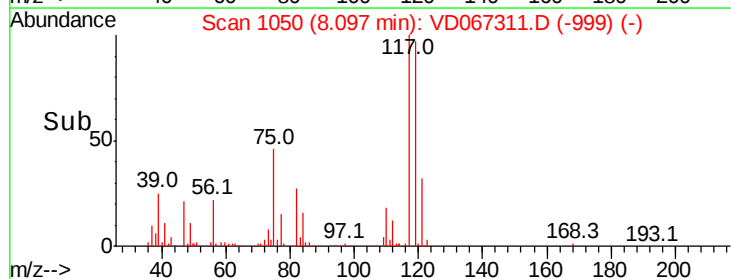
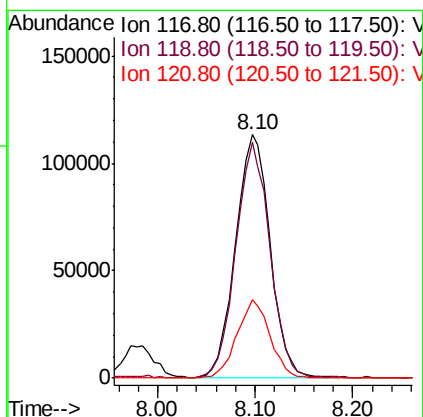
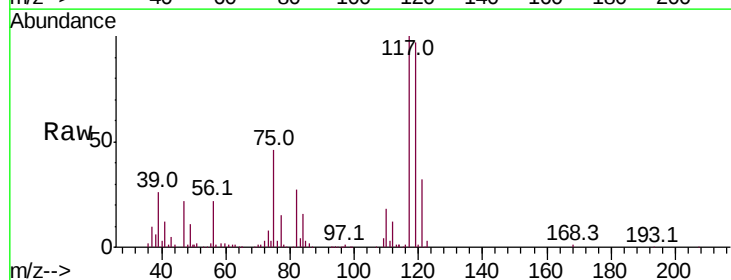
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

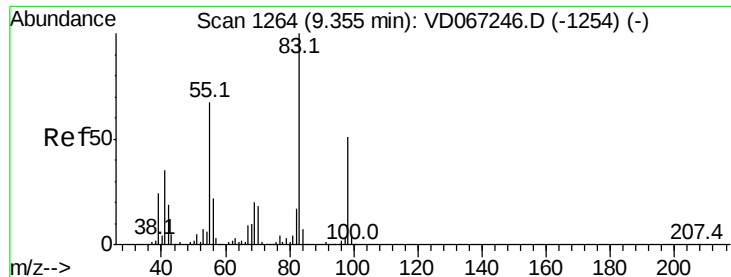
Tot Ion: 43 Resp: 72278
Ion Ratio Lower Upper
43 100
61 17.9 15.6 23.4
70 13.6 10.4 15.6



#38
Carbon Tetrachloride
Concen: 47.701 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 117 Resp: 279022
Ion Ratio Lower Upper
117 100
119 97.2 75.0 112.4
121 32.2 24.9 37.3

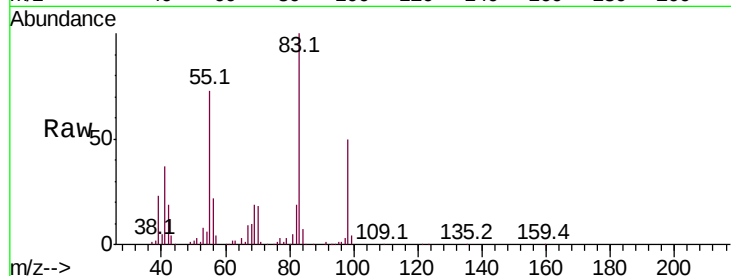




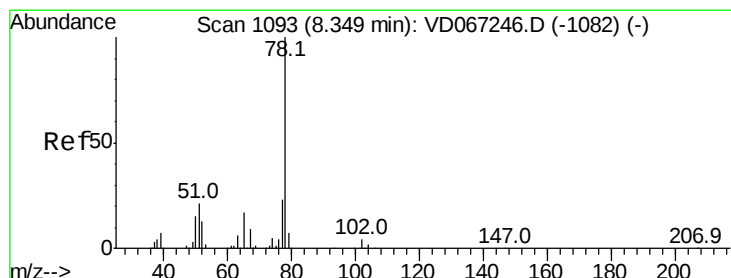
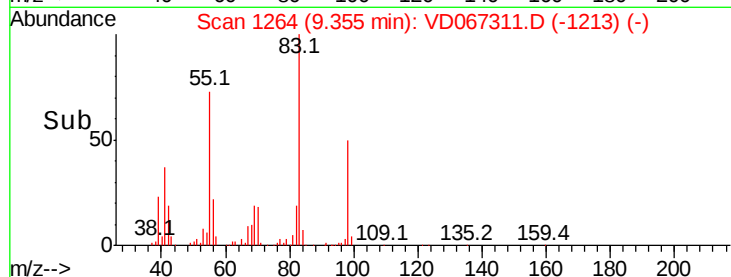
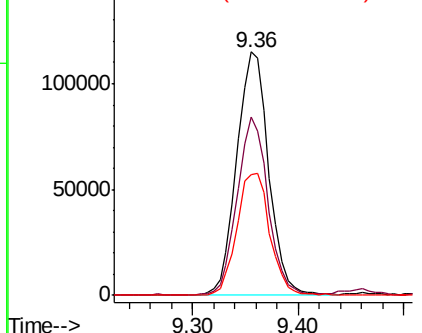
#39
Methvlcvclohexane
Concen: 50.515 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 241689
Ion Ratio Lower Upper
83 100
55 73.0 53.3 79.9
98 49.5 41.0 61.4

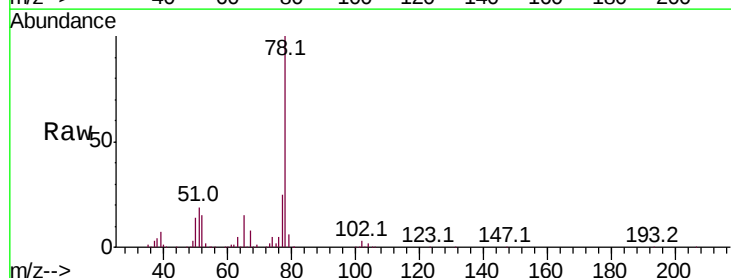


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

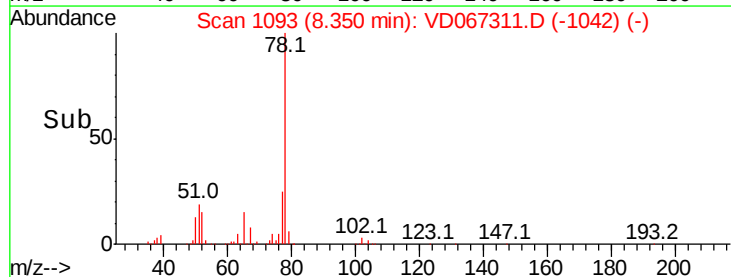
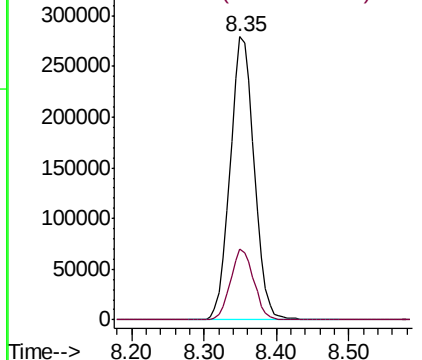


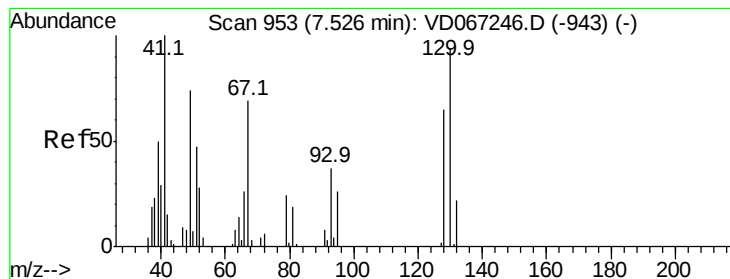
#40
Benzene
Concen: 51.324 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 78 Resp: 644394
Ion Ratio Lower Upper
78 100
77 24.9 18.3 27.5



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





#41

Methacrylonitrile

Concen: 132.458 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.03 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 96382

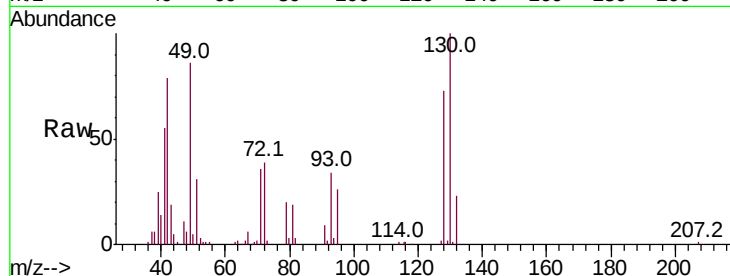
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

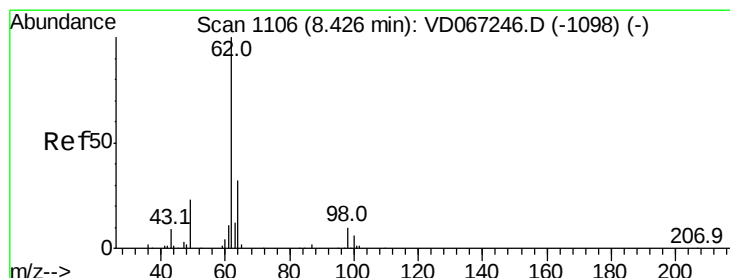
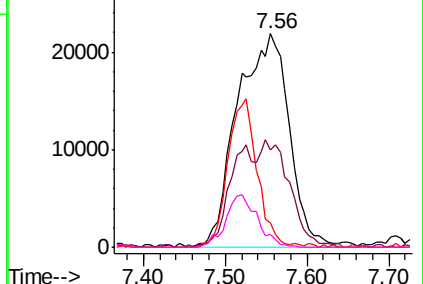
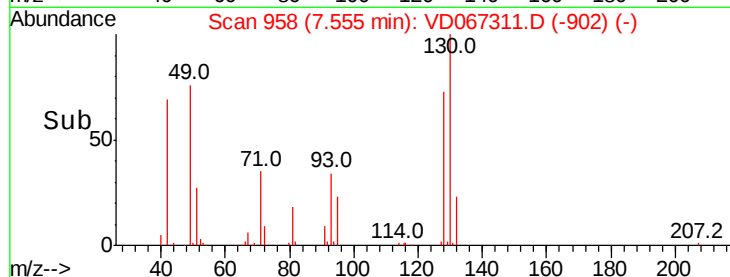


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.454 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067311.D

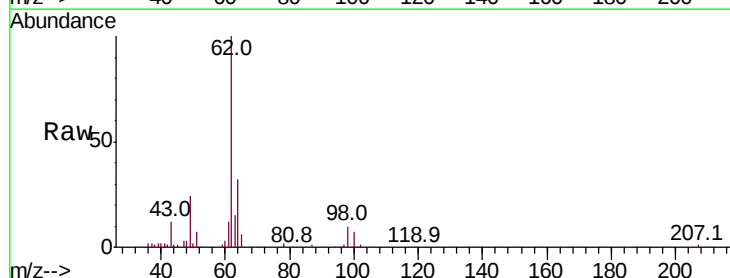
Acq: 19 Oct 2020 16:45

Tgt Ion: 62 Resp: 194316

Ion Ratio Lower Upper

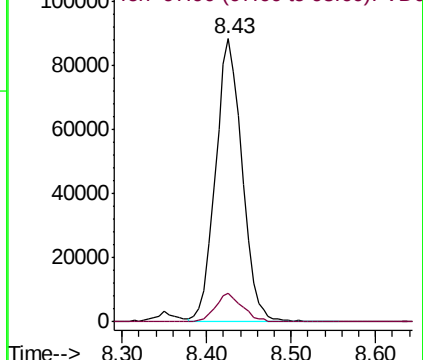
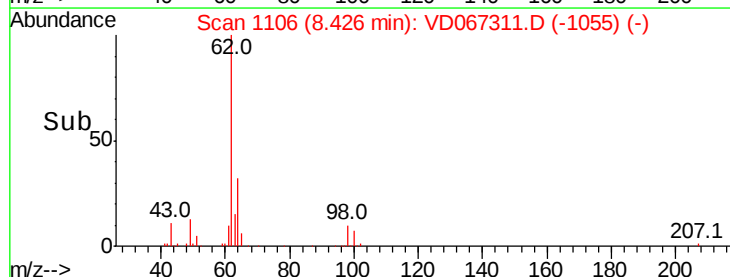
62 100

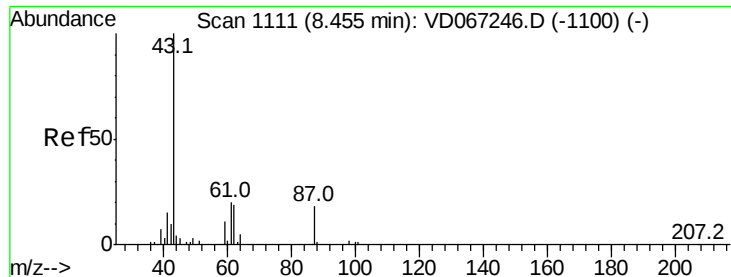
98 10.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.740 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

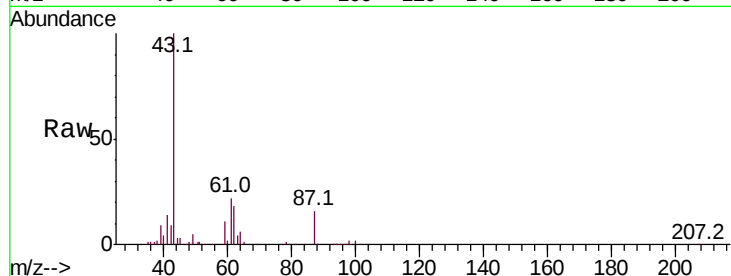
Tot Ion: 43 Resp: 140913

Ion Ratio Lower Upper

43 100

61 35.4 29.5 44.3

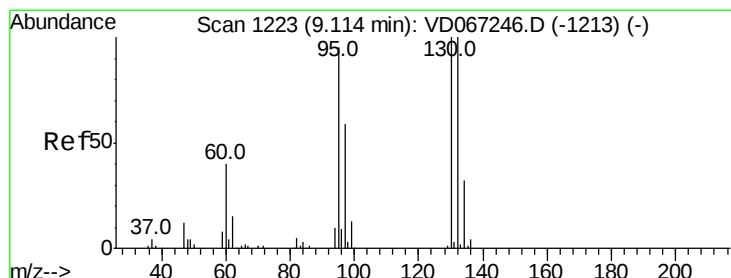
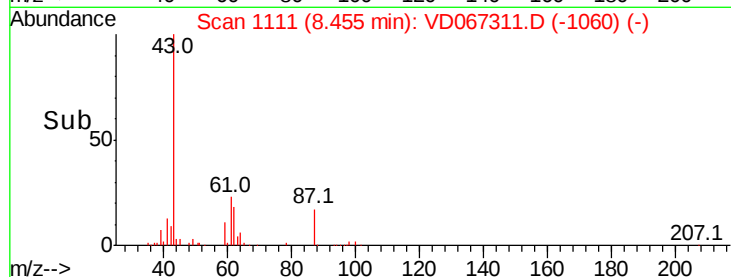
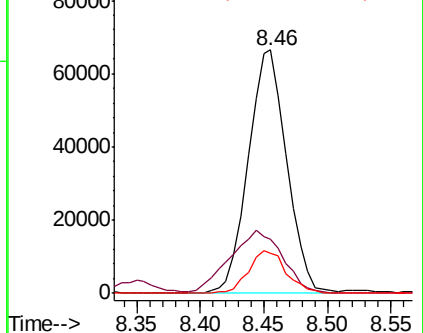
87 17.4 14.2 21.4



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: 50.182 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067311.D

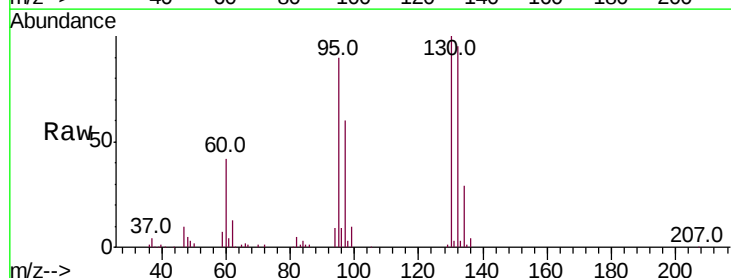
Acq: 19 Oct 2020 16:45

Tgt Ion: 130 Resp: 201728

Ion Ratio Lower Upper

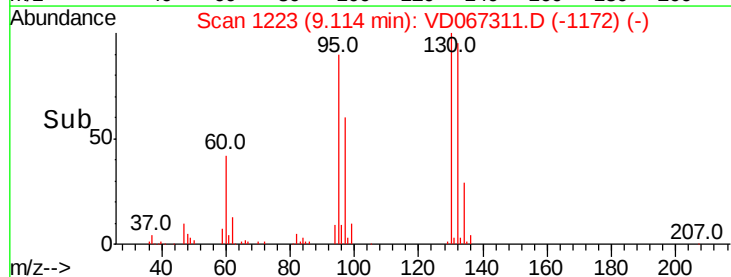
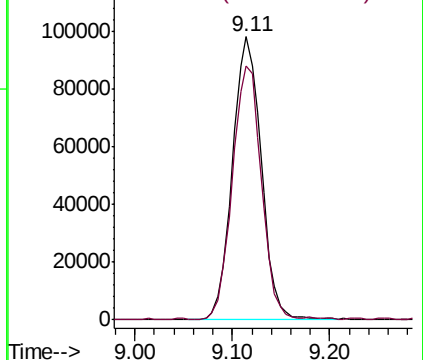
130 100

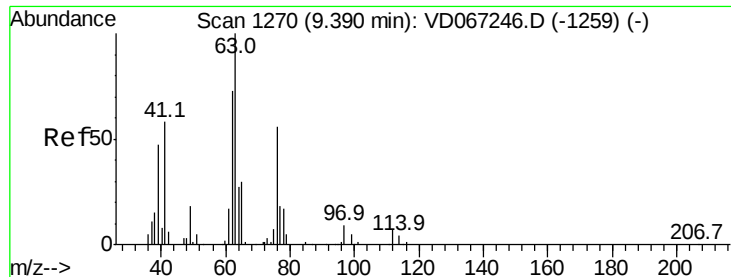
95 89.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.779 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

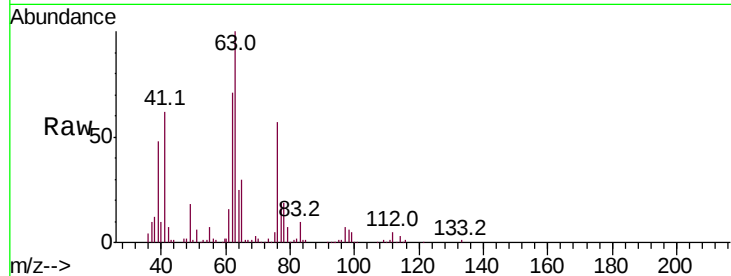
VSTDCCC050EC

Tot Ion: 63 Resp: 147759

Ion Ratio Lower Upper

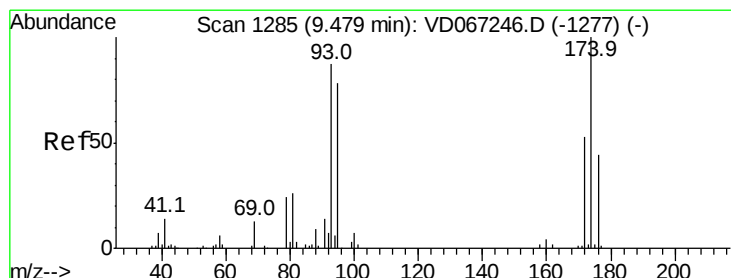
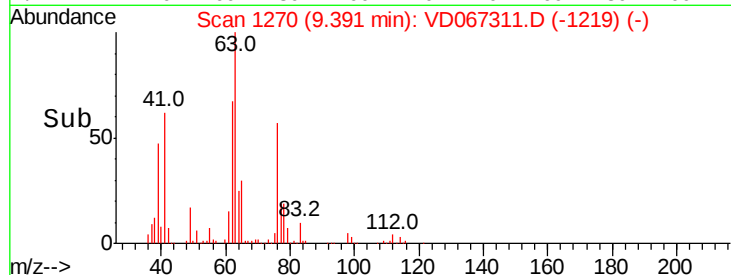
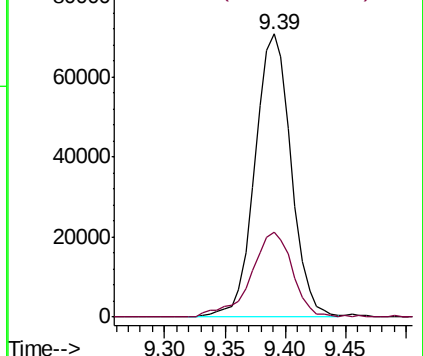
63 100

65 29.8 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.795 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

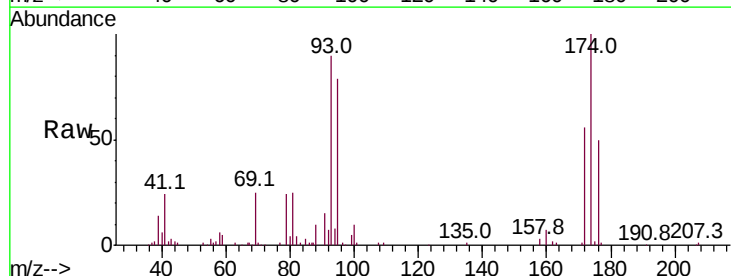
Tgt Ion: 93 Resp: 93903

Ion Ratio Lower Upper

93 100

95 80.5 68.0 102.0

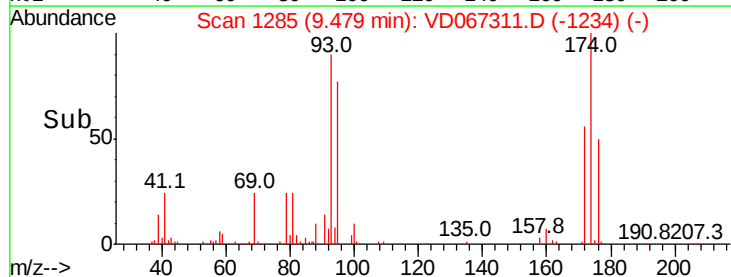
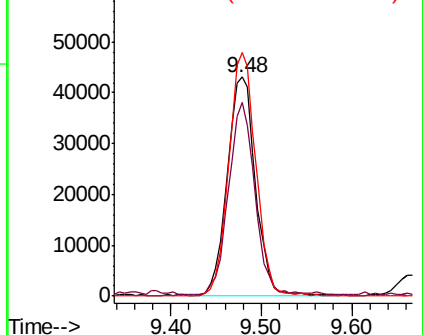
174 106.2 91.8 137.6

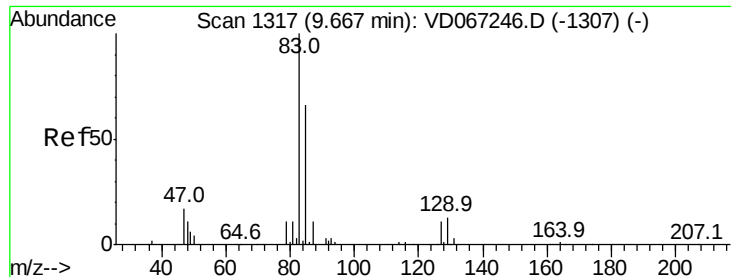


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.296 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

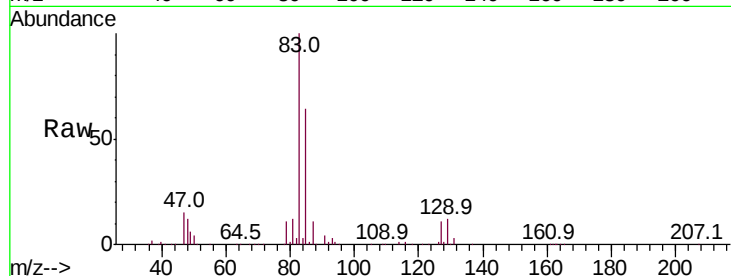
Tot Ion: 83 Resp: 249163

Ion Ratio Lower Upper

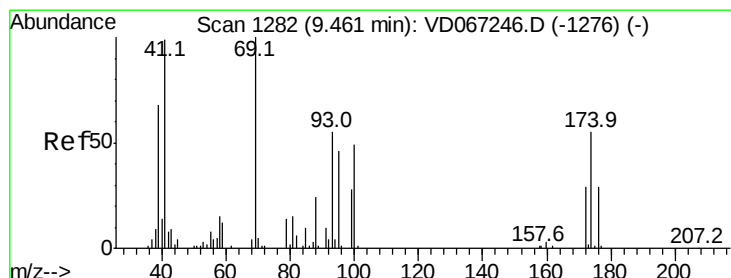
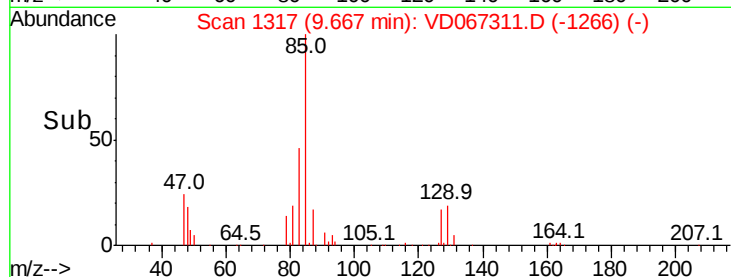
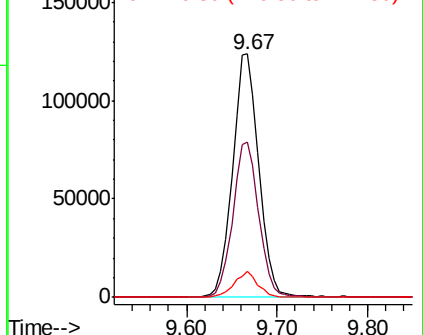
83 100

85 63.7 53.1 79.7

127 10.5 8.6 13.0



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



#48

Methyl methacrylate

Concen: 55.655 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

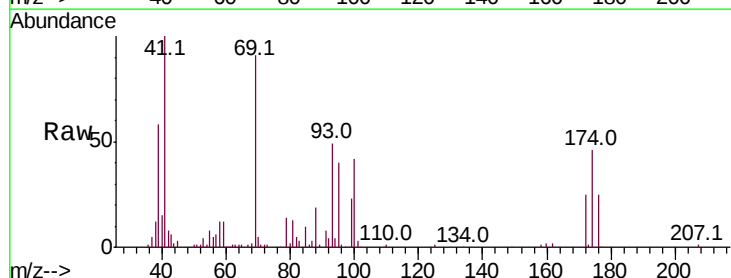
Tgt Ion: 41 Resp: 72264

Ion Ratio Lower Upper

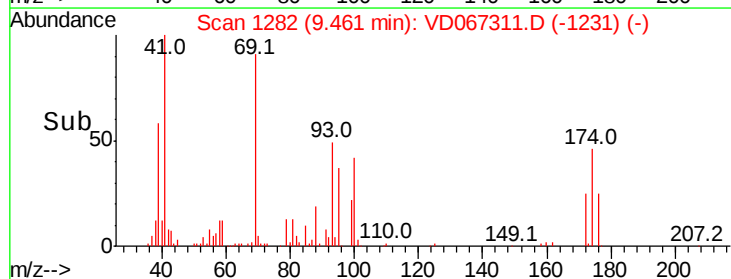
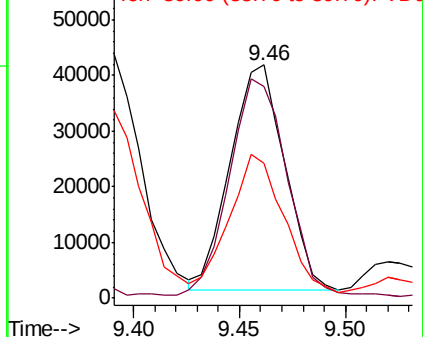
41 100

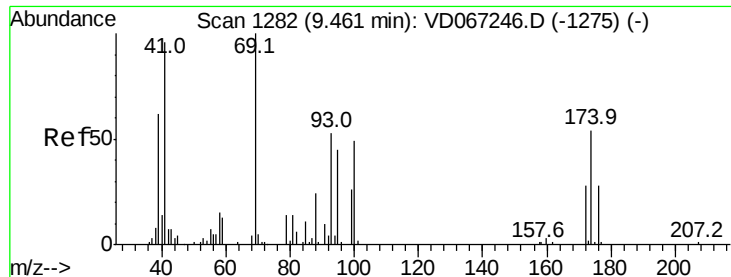
69 103.4 89.0 133.6

39 66.0 60.2 90.2



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





#49

1,4-Dioxane

Concen: 1015.658 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

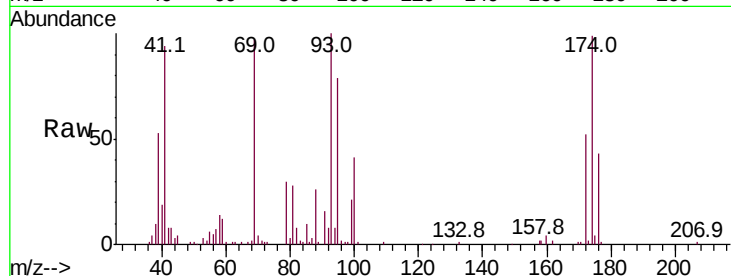
Tot Ion: 88 Resp: 17811

Ion Ratio Lower Upper

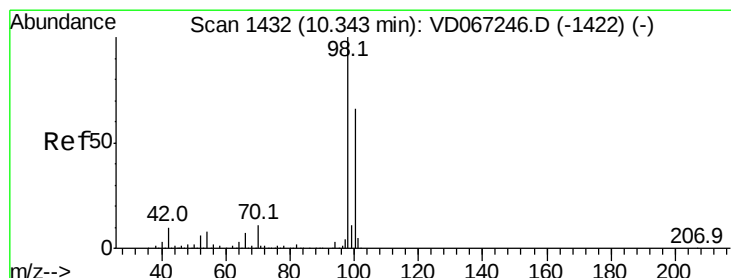
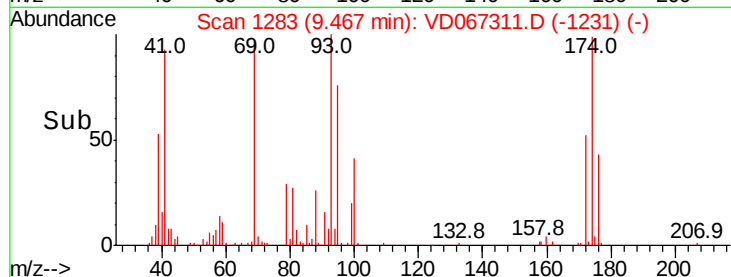
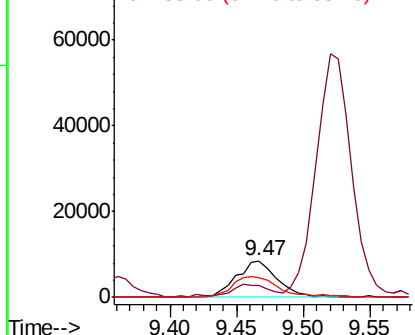
88 100

43 36.3 23.9 35.9#

58 67.9 51.0 76.6



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



#50

Toluene-d8

Concen: 50.139 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067311.D

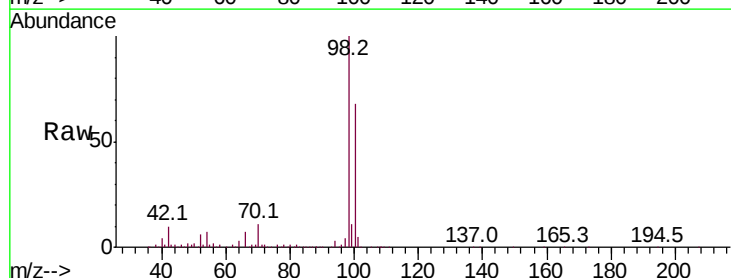
Acq: 19 Oct 2020 16:45

Tgt Ion: 98 Resp: 652037

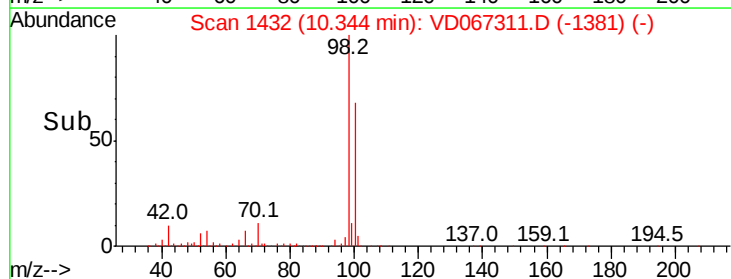
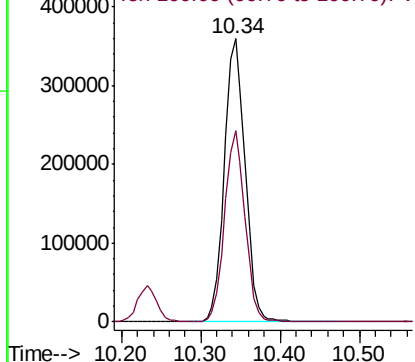
Ion Ratio Lower Upper

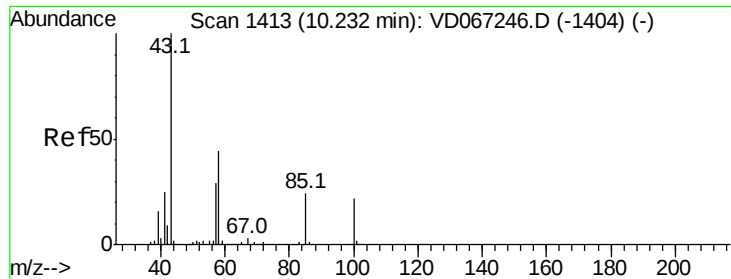
98 100

100 65.9 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 275.031 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

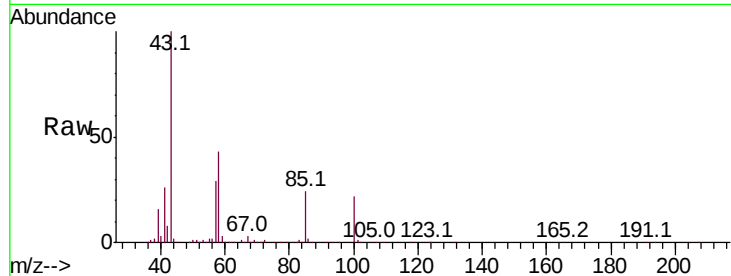
VSTDCCC050EC

Tot Ion: 43 Resp: 366517

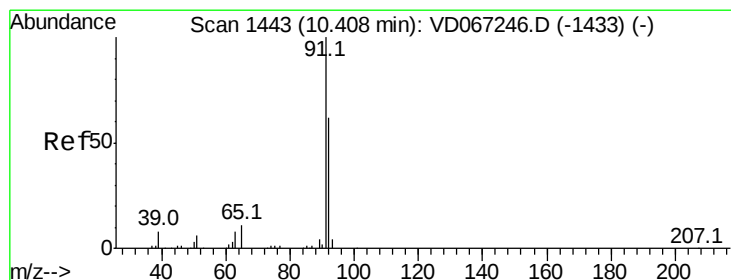
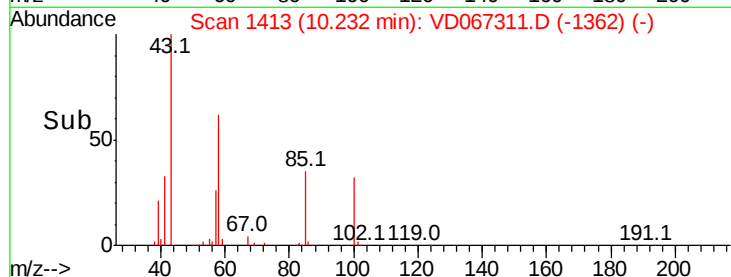
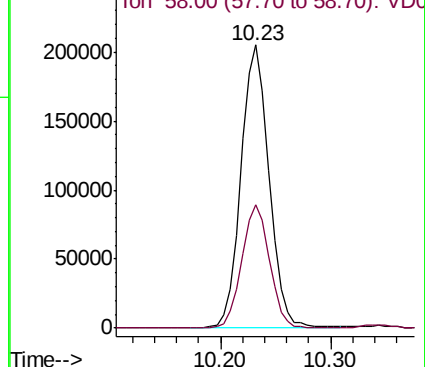
Ion Ratio Lower Upper

43 100

58 43.1 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 51.217 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067311.D

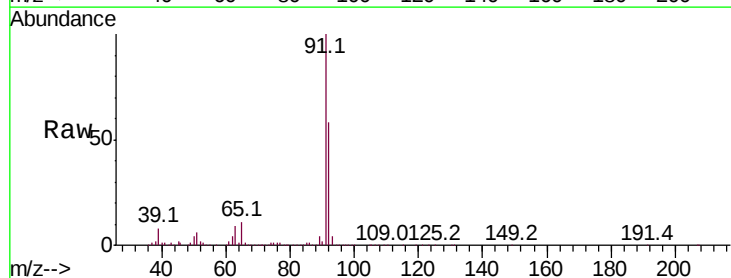
Acq: 19 Oct 2020 16:45

Tgt Ion: 92 Resp: 437979

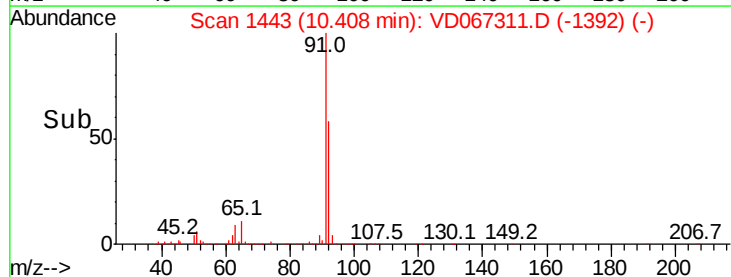
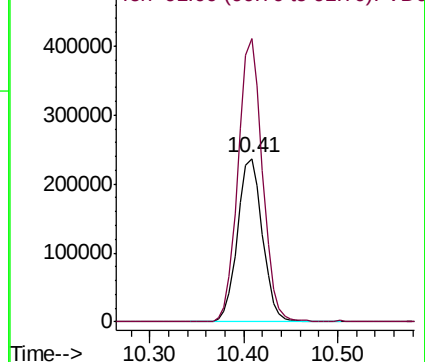
Ion Ratio Lower Upper

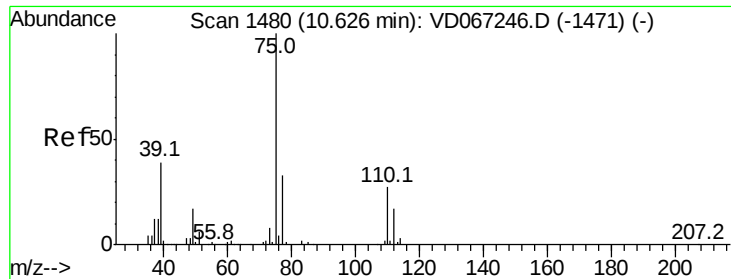
92 100

91 168.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

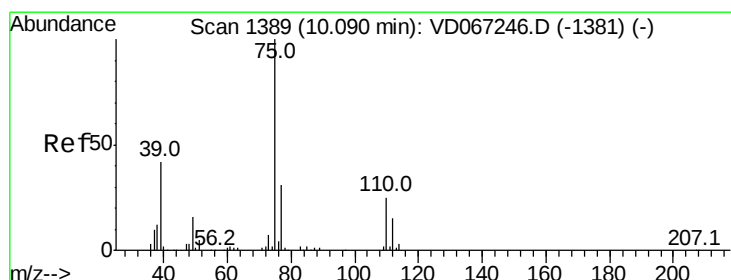
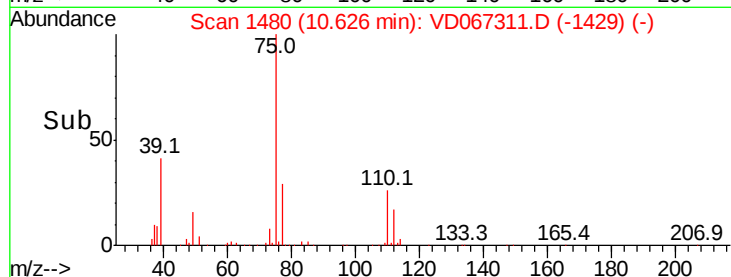
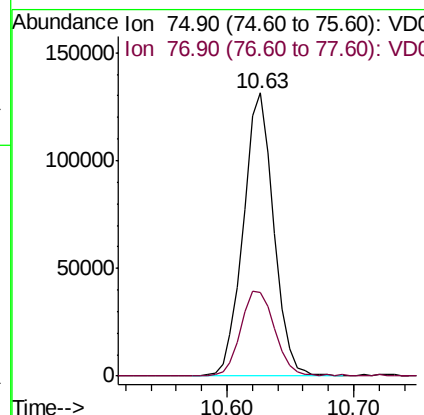
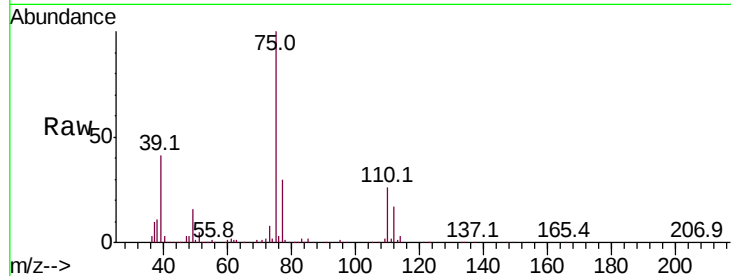




#53
t-1,3-Dichloropropene
Concen: 51.423 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

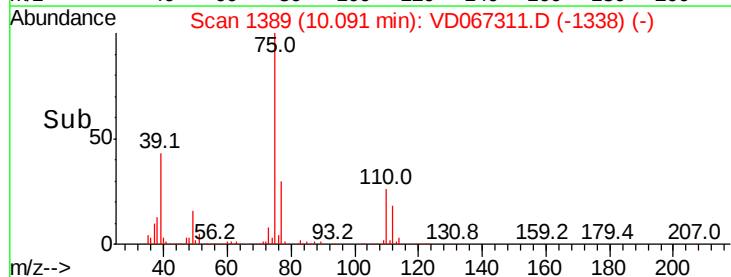
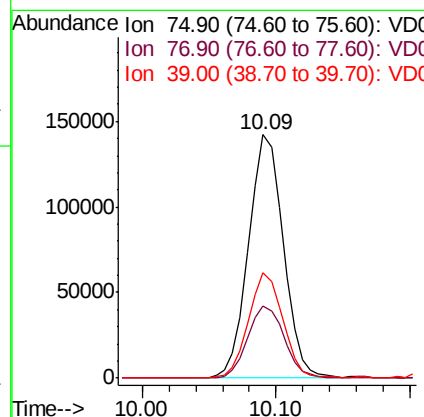
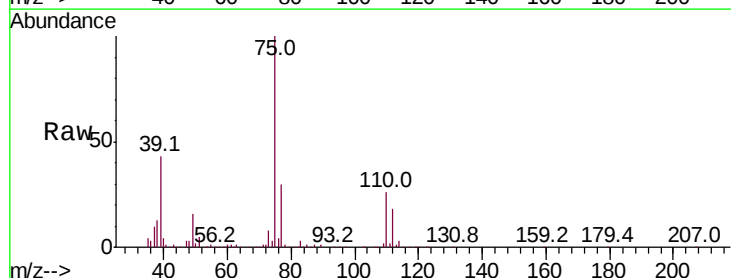
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

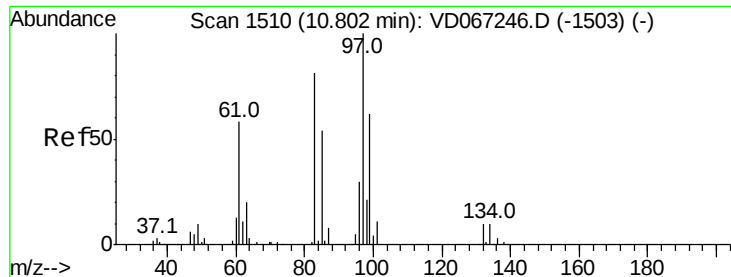
Tot Ion: 75 Resp: 219417
Ion Ratio Lower Upper
75 100
77 29.6 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 51.373 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 75 Resp: 256541
Ion Ratio Lower Upper
75 100
77 29.5 24.5 36.7
39 43.2 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 51.700 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 127813

Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.9	97.3
85	53.7	43.3	64.9
99	63.9	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

10.80

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

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20000

0

100000

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20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

100000

80000

60000

40000

20000

0

10.75 10.80 10.85

Time-->

10.75 10.80 10.85

60000

40000

20000

0

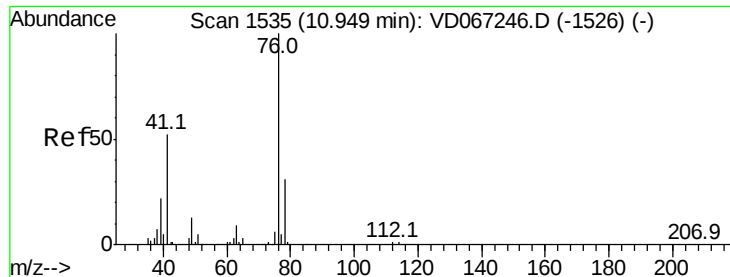
100000

80000

60000

40000

20000



#57

1,3-Dichloropropane

Concen: 52.185 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

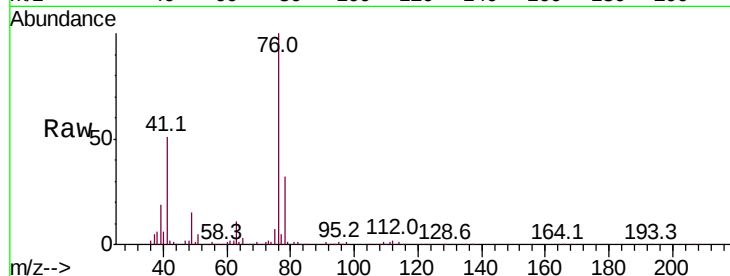
VSTDCCC050EC

Tot Ion: 76 Resp: 205316

Ion Ratio Lower Upper

76 100

78 32.6 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

120000

100000

80000

60000

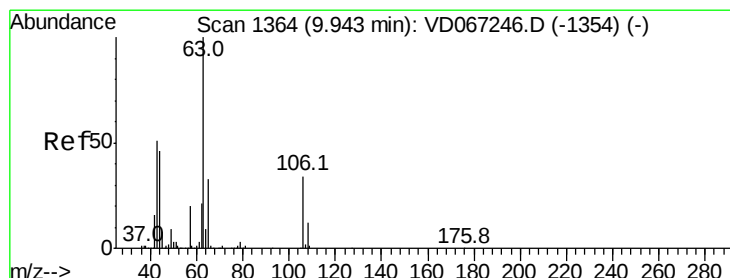
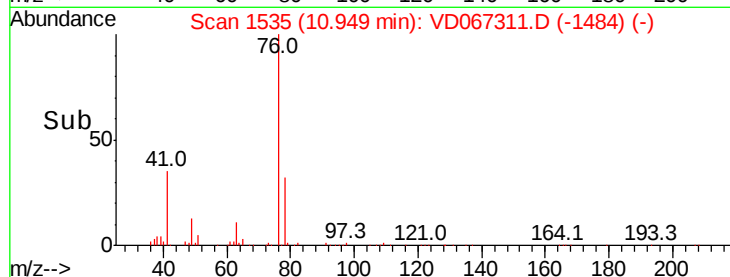
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 278.017 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067311.D

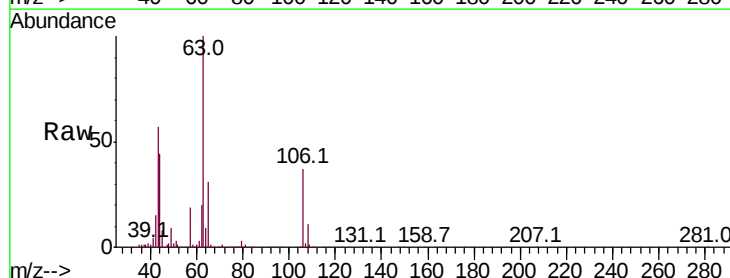
Acq: 19 Oct 2020 16:45

Tgt Ion: 63 Resp: 365680

Ion Ratio Lower Upper

63 100

106 36.1 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

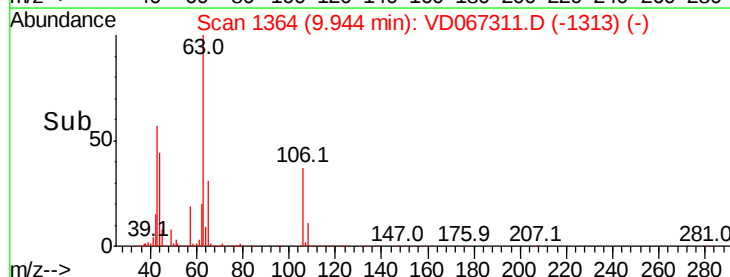
100000

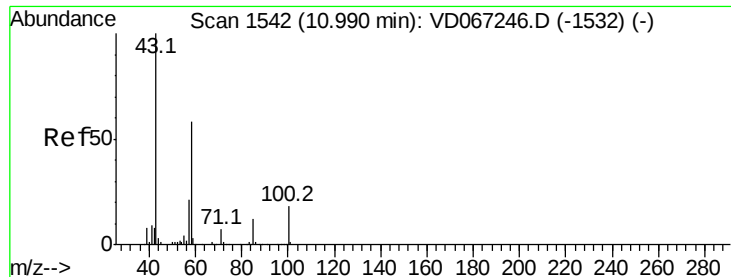
50000

0

Time-->

9.90 10.00





#59

2-Hexanone

Concen: 267.925 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

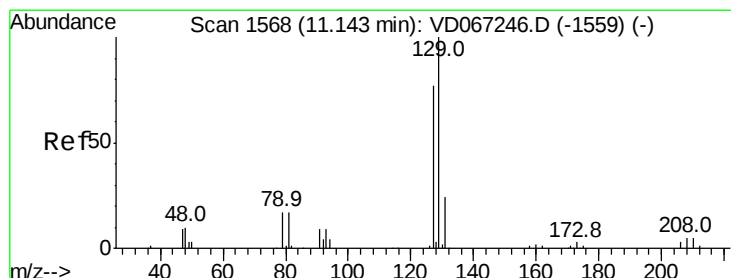
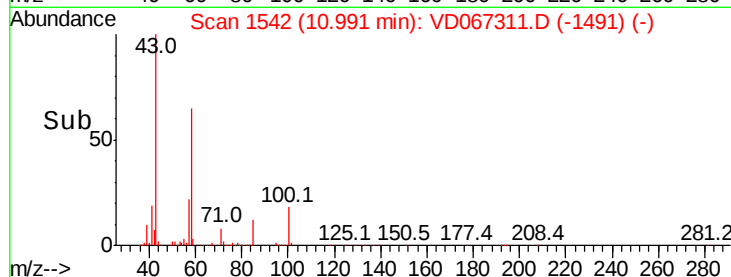
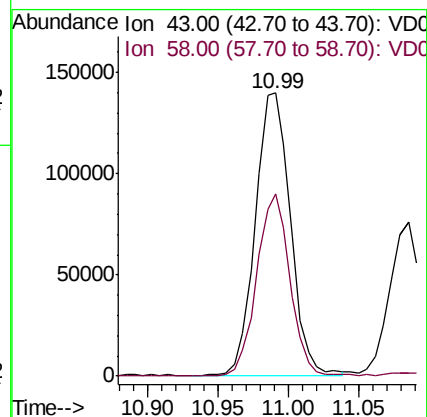
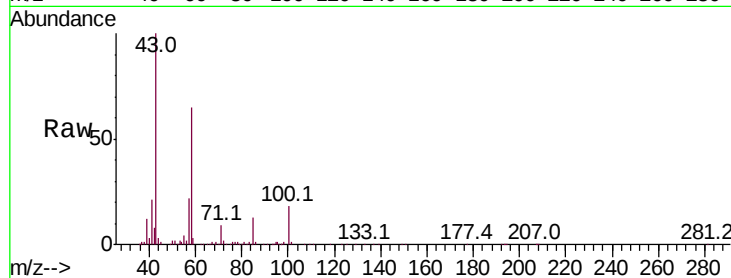
VSTDCCC050EC

Tot Ion: 43 Resp: 243981

Ion Ratio Lower Upper

43 100

58 61.3 29.3 87.9



#60

Dibromochloromethane

Concen: 50.185 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067311.D

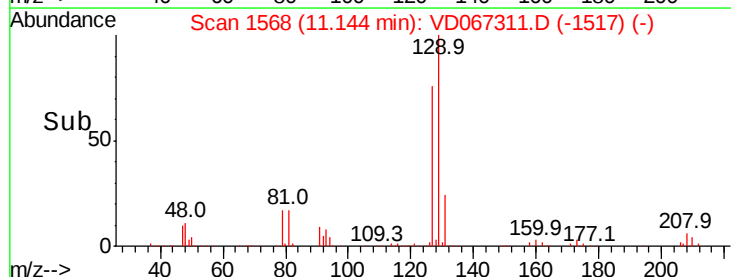
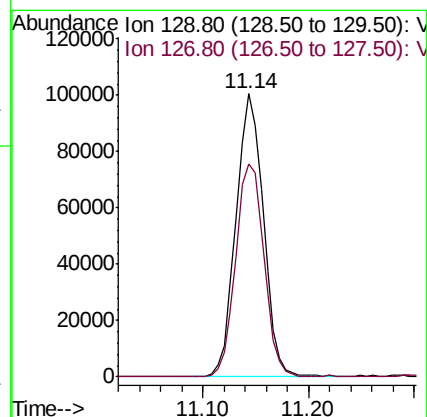
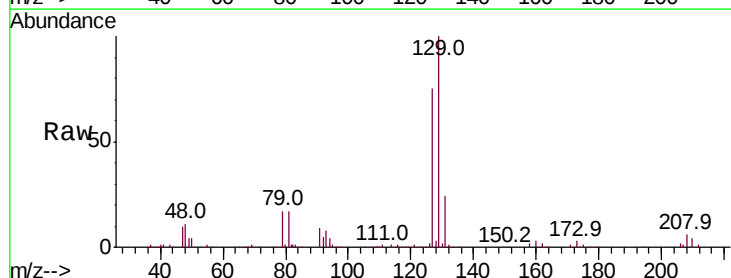
Acq: 19 Oct 2020 16:45

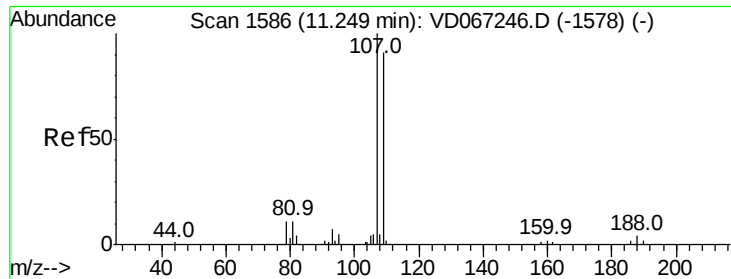
Tgt Ion: 129 Resp: 180935

Ion Ratio Lower Upper

129 100

127 77.5 38.3 114.8

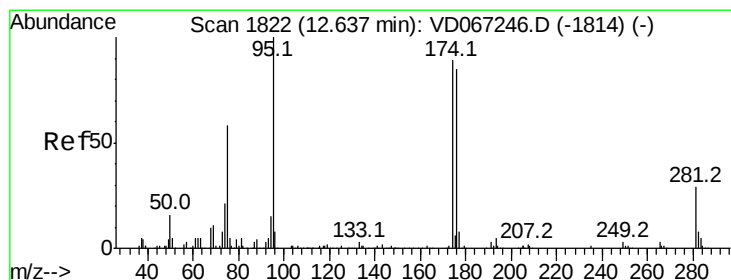
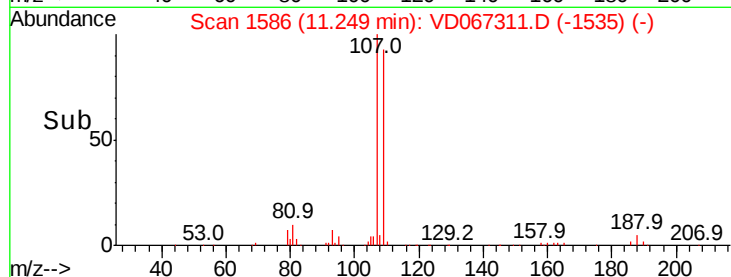
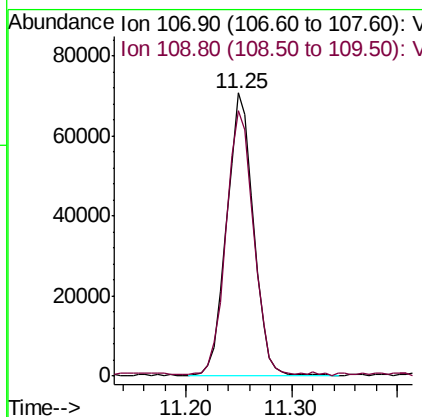
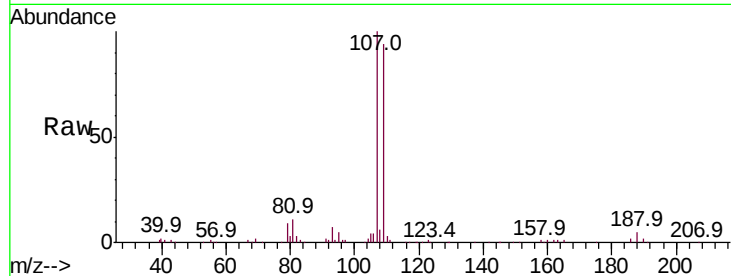




#61
 1,2-Dibromoethane
 Concen: 51.099 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

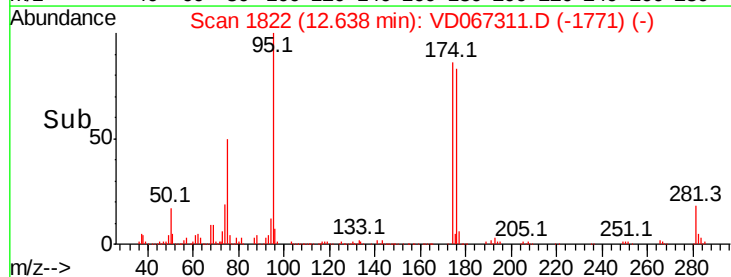
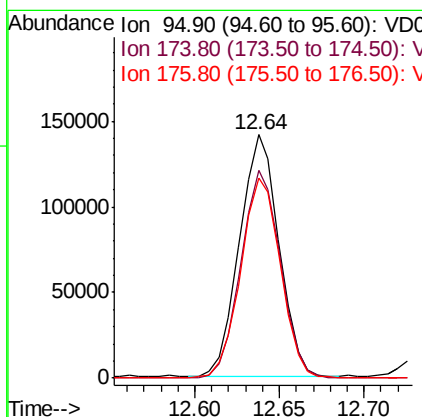
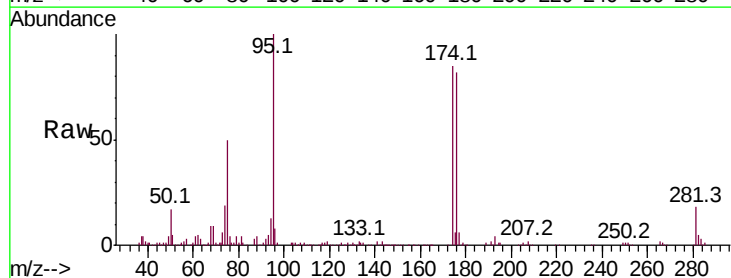
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

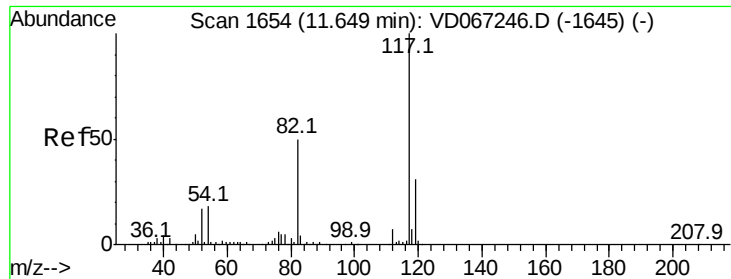
Tot Ion:107 Resp: 124542
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.846 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 95 Resp: 229923
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 175.2
 176 83.3 0.0 168.6

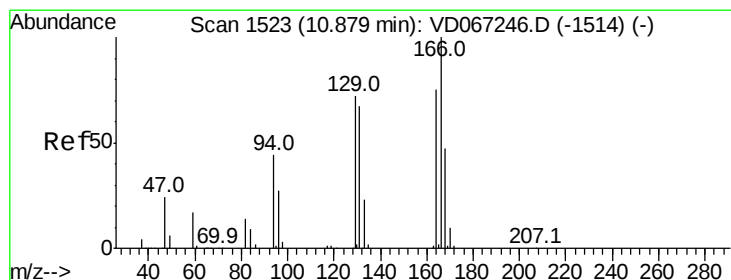
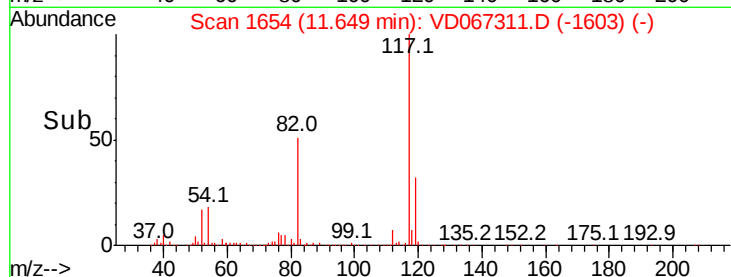
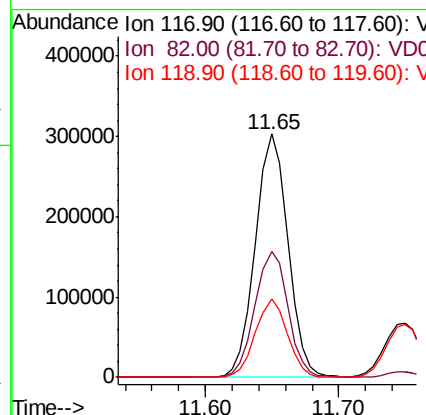
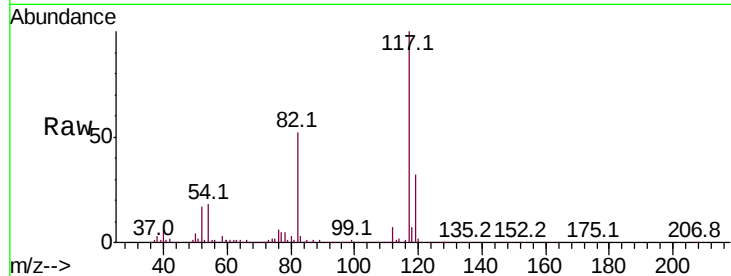




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

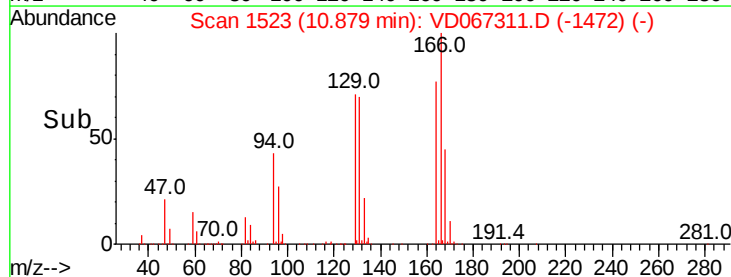
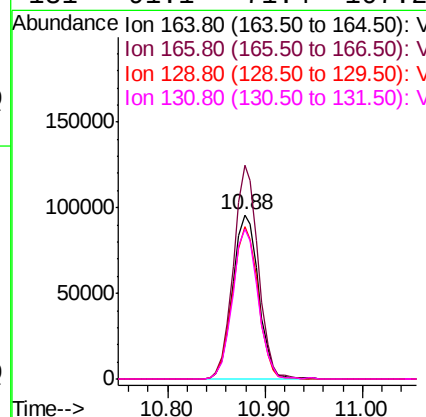
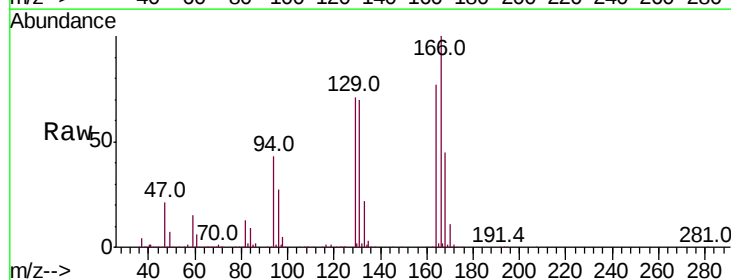
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

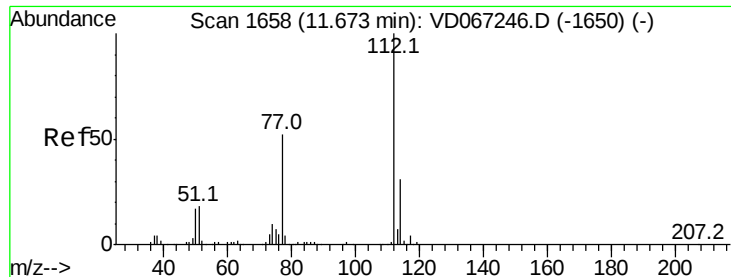
Tot Ion:117 Resp: 512649
Ion Ratio Lower Upper
117 100
82 51.3 39.9 59.9
119 32.4 24.9 37.3



#64
Tetrachloroethene
Concen: 47.453 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion:164 Resp: 176254
Ion Ratio Lower Upper
164 100
166 130.2 107.3 160.9
129 93.0 77.3 115.9
131 91.1 71.4 107.2





#65

Chlorobenzene

Concen: 49.186 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

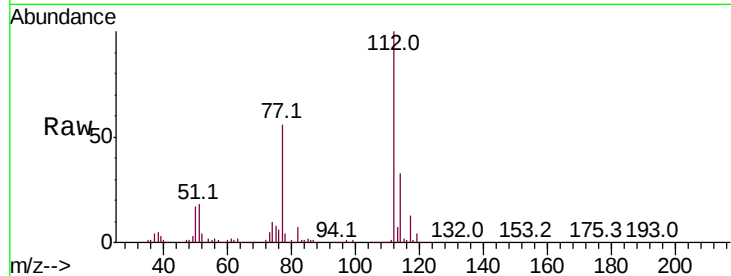
VSTDCCC050EC

Tot Ion:112 Resp: 483530

Ion Ratio Lower Upper

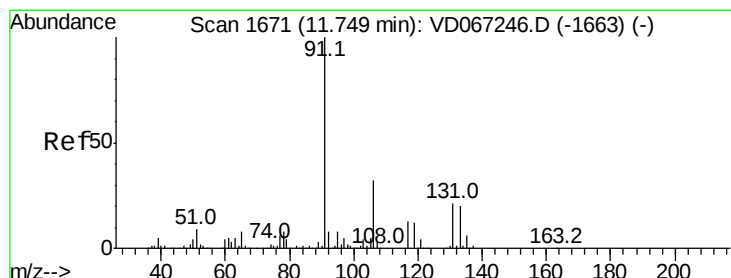
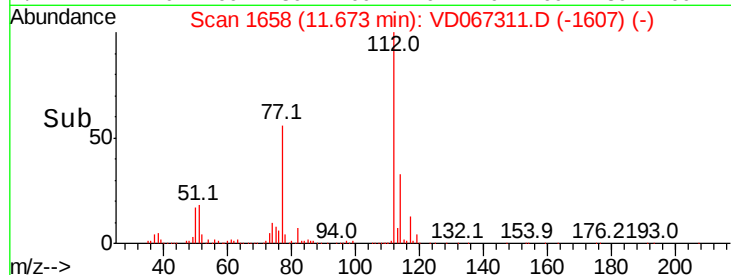
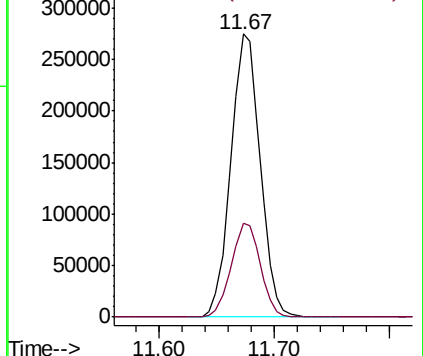
112 100

114 33.4 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.976 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

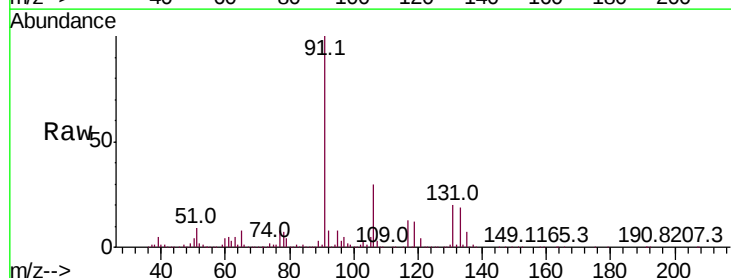
Tgt Ion:131 Resp: 195261

Ion Ratio Lower Upper

131 100

133 95.4 48.1 144.3

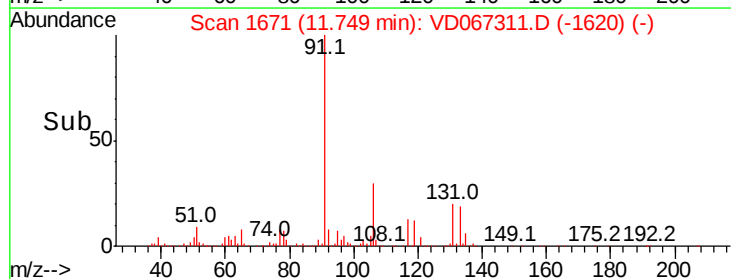
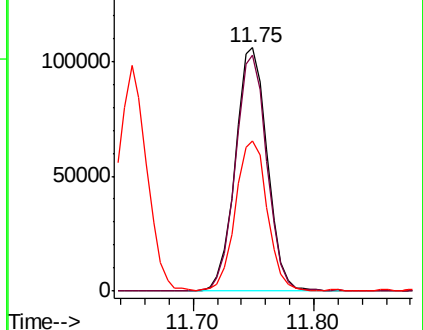
119 61.1 30.0 90.0

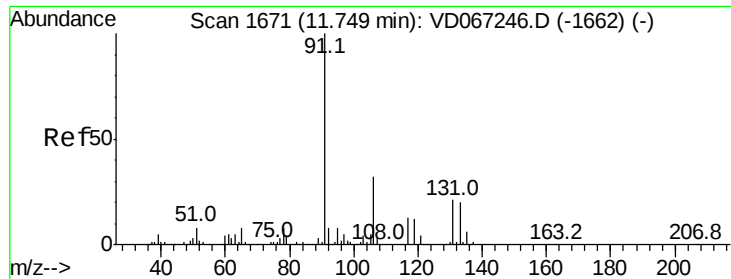


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

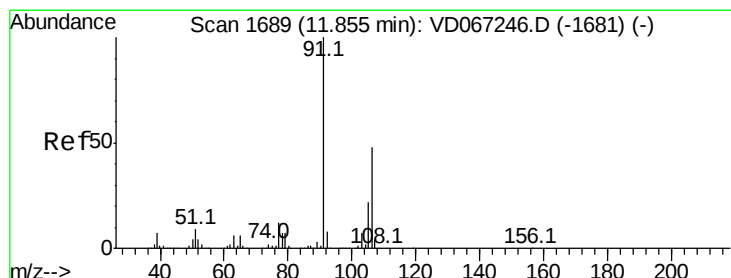
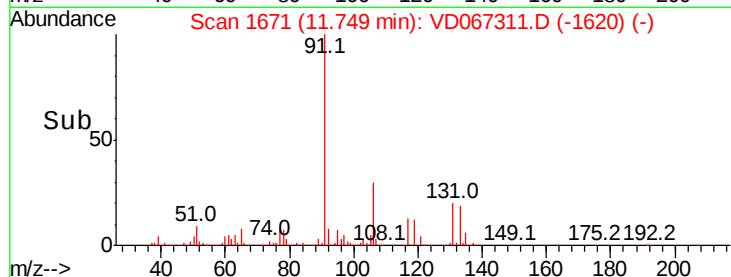
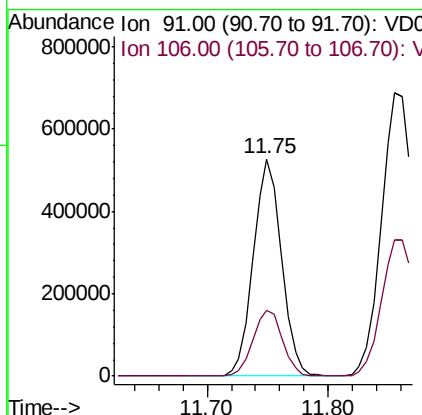
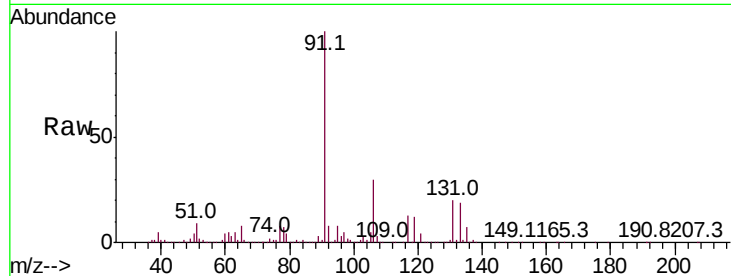




#67
Ethyl Benzene
Concen: 50.834 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

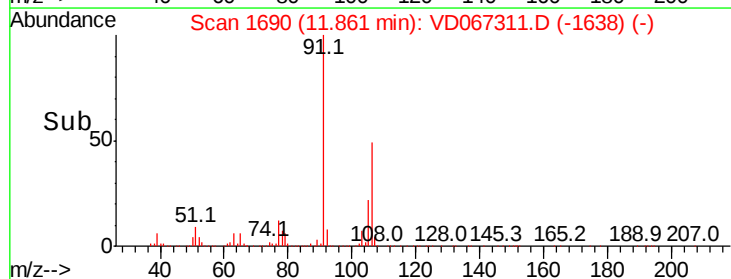
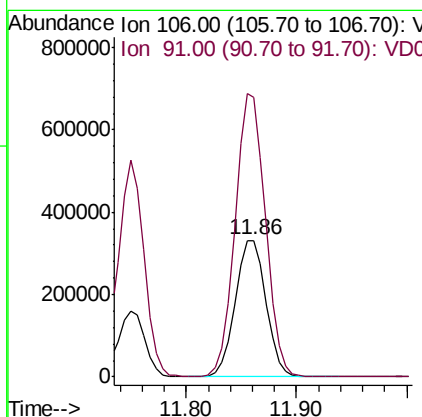
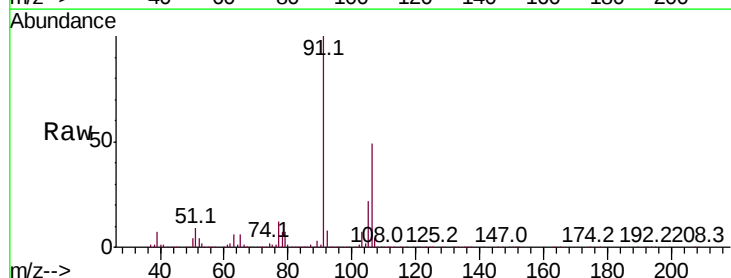
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

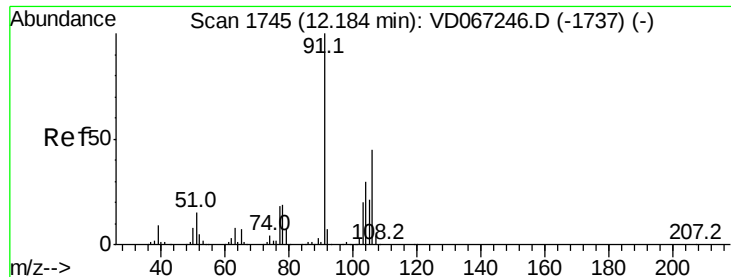
Tot Ion: 91 Resp: 856625
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0



#68
m/p-Xylenes
Concen: 100.189 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 106 Resp: 650152
Ion Ratio Lower Upper
106 100
91 203.7 163.8 245.8

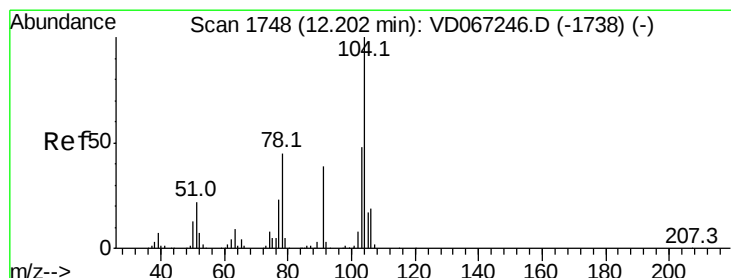
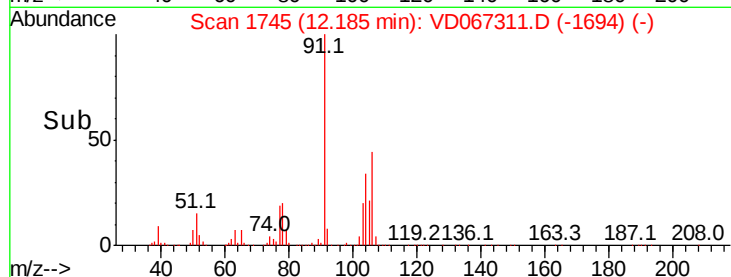
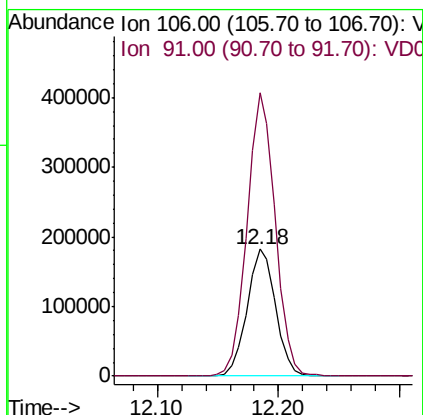
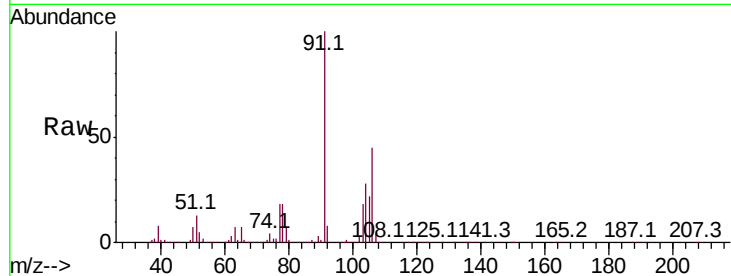




#69
o-Xylene
Concen: 50.033 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

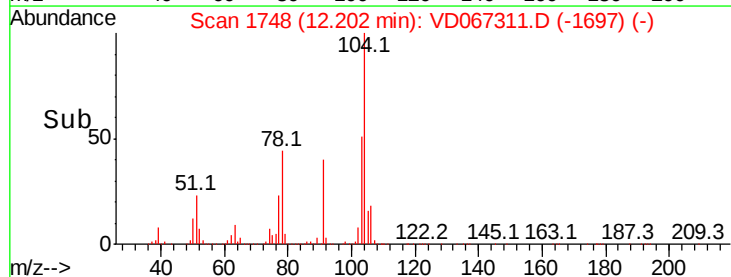
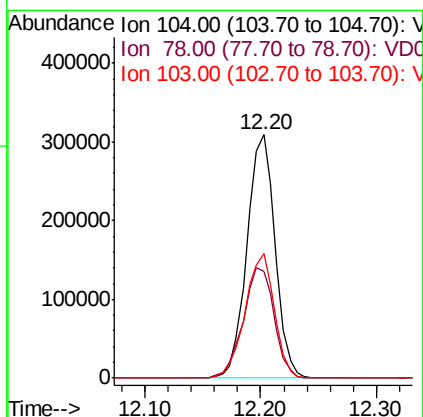
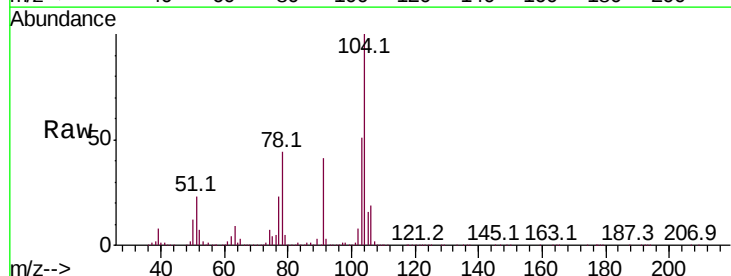
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

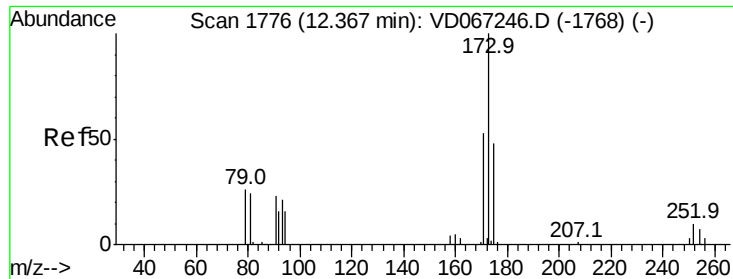
Tot Ion:106 Resp: 300652
Ion Ratio Lower Upper
106 100
91 218.6 109.1 327.3



#70
Styrene
Concen: 50.645 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion:104 Resp: 523890
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.6
103 53.3 42.6 64.0





#71

Bromoform

Concen: 50.466 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

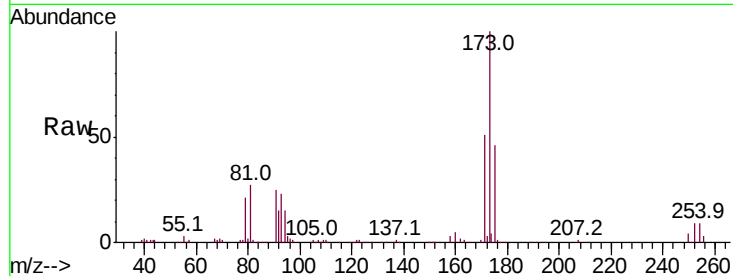
Tot Ion:173 Resp: 105928

Ion Ratio Lower Upper

173 100

175 47.8 24.2 72.6

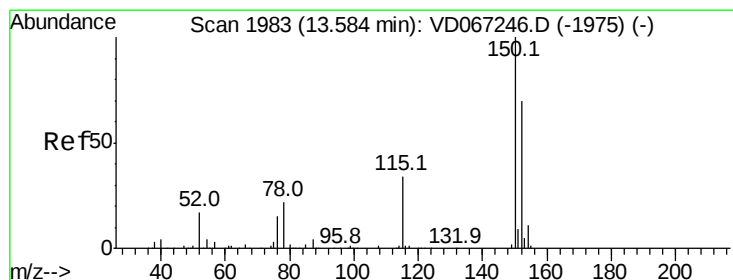
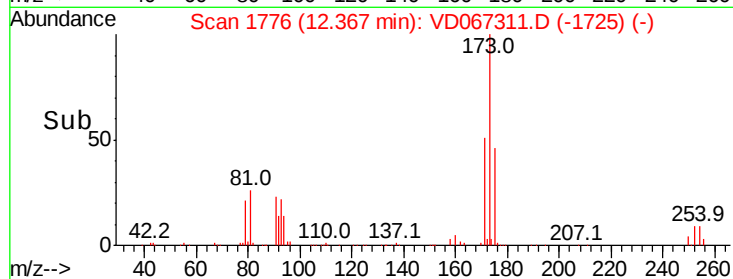
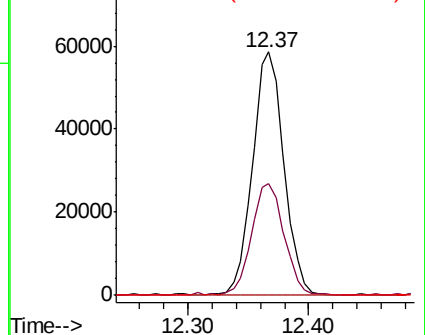
254 0.0 0.1 0.1#



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# 1982

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

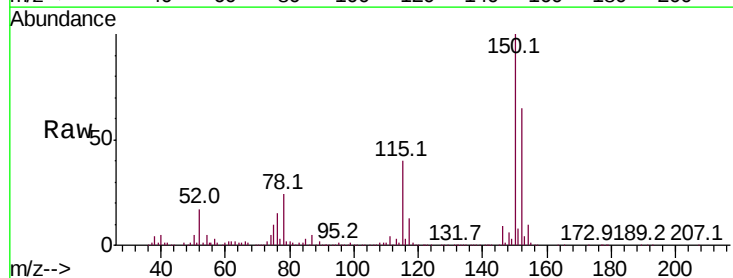
Tgt Ion:152 Resp: 249080

Ion Ratio Lower Upper

152 100

115 58.9 29.3 87.9

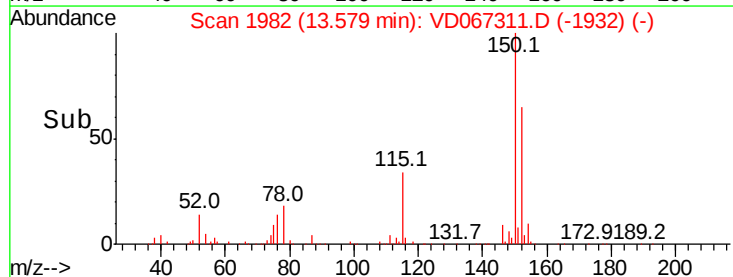
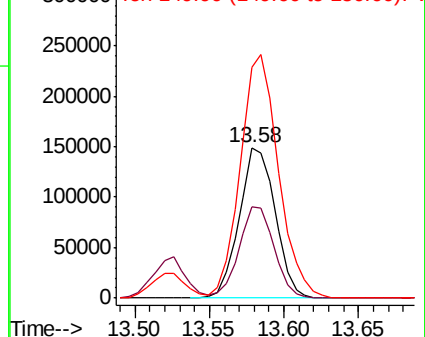
150 171.8 0.0 339.0

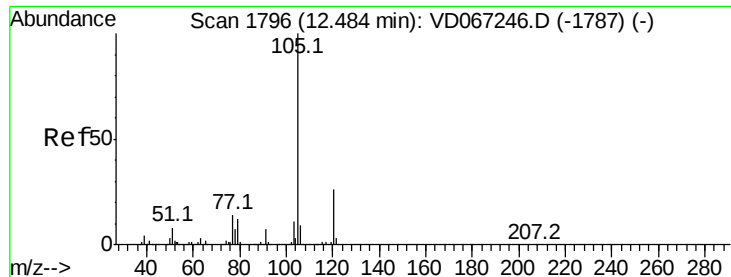


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.906 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

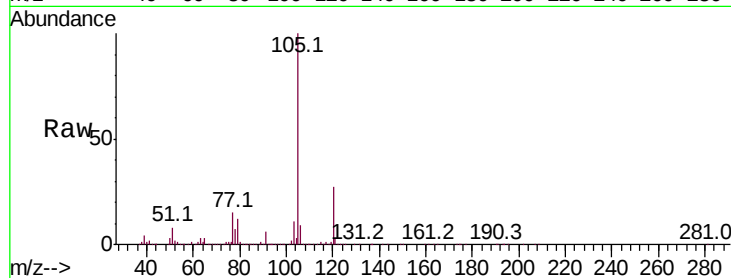
VSTDCCC050EC

Tot Ion:105 Resp: 852164

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

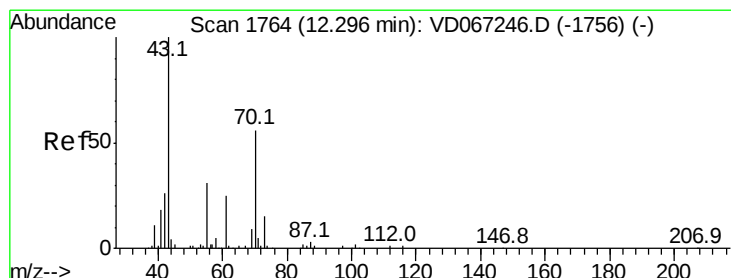
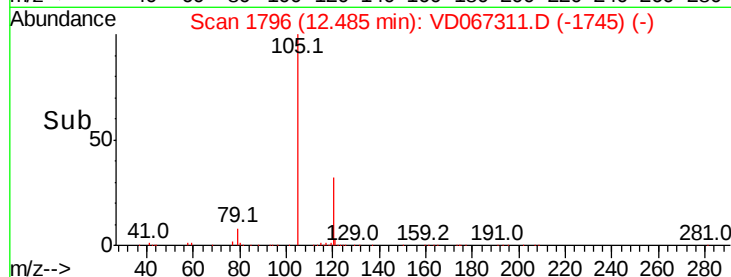
300000

200000

100000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 55.731 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion: 43 Resp: 133061

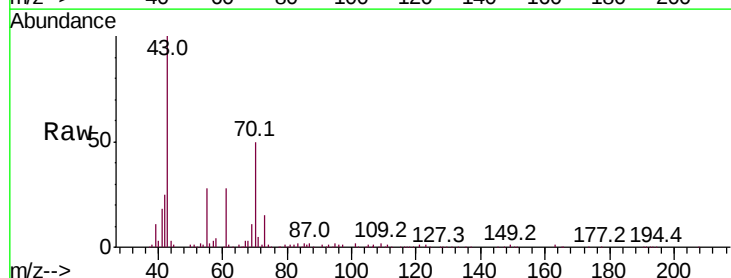
Ion Ratio Lower Upper

43 100

70 52.3 42.7 64.1

55 30.4 24.0 36.0

61 28.7 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

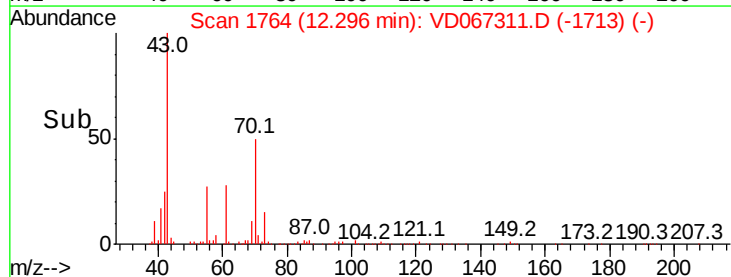
Ion 61.00 (60.70 to 61.70): VDC

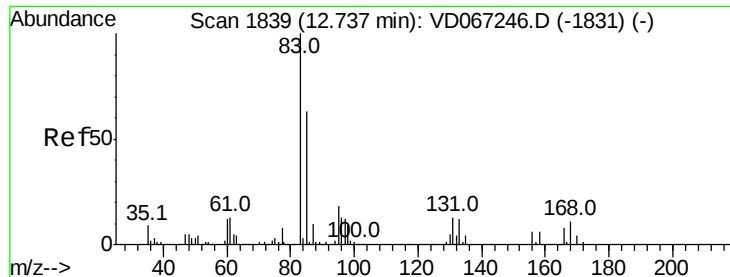
100000

50000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 55.343 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

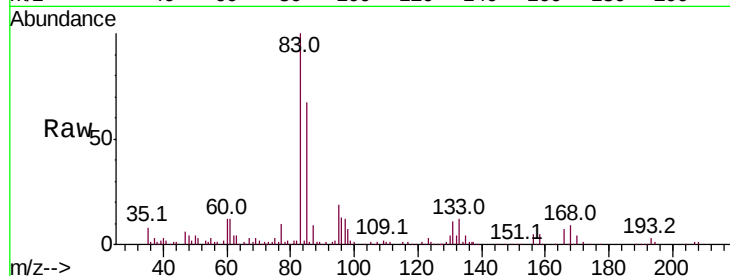
Tot Ion: 83 Resp: 134051

Ion Ratio Lower Upper

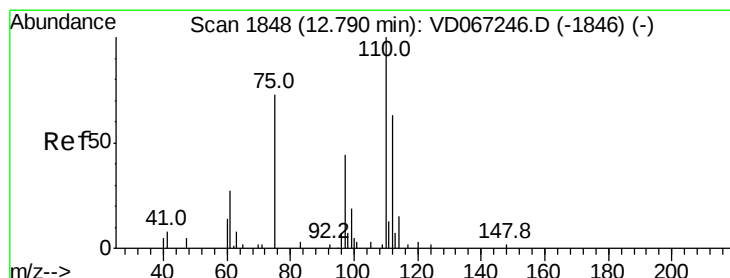
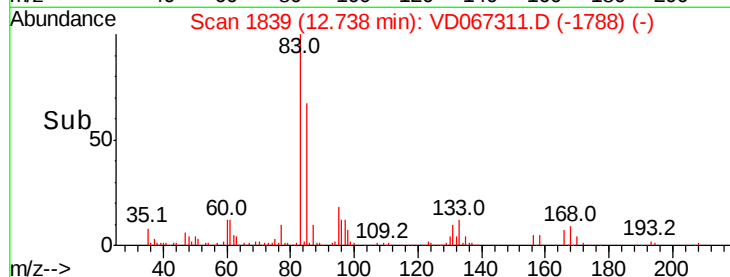
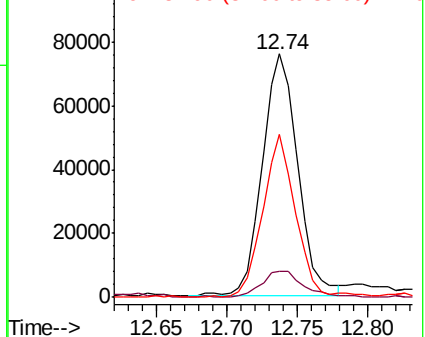
83 100

131 12.7 6.5 19.5

85 61.7 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: 97.452 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067311.D

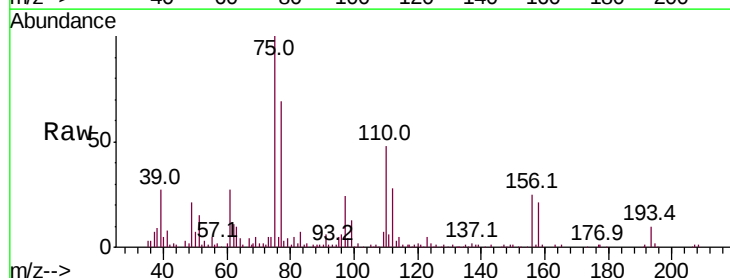
Acq: 19 Oct 2020 16:45

Tgt Ion: 75 Resp: 168238

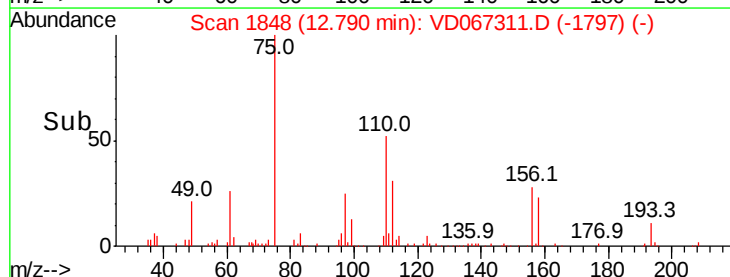
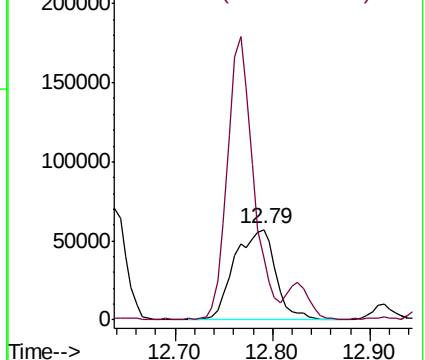
Ion Ratio Lower Upper

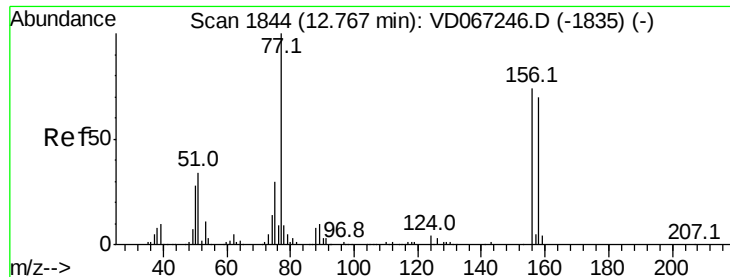
75 100

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: 50.916 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

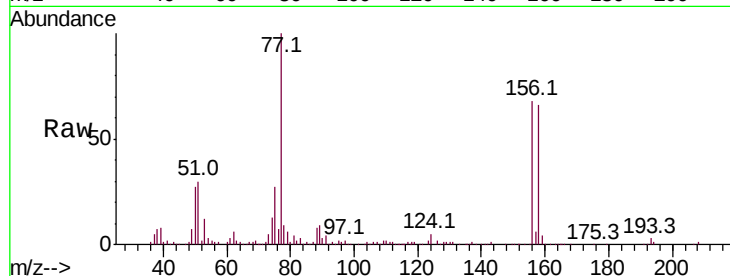
Tot Ion:156 Resp: 200670

Ion Ratio Lower Upper

156 100

77 166.1 78.0 233.8

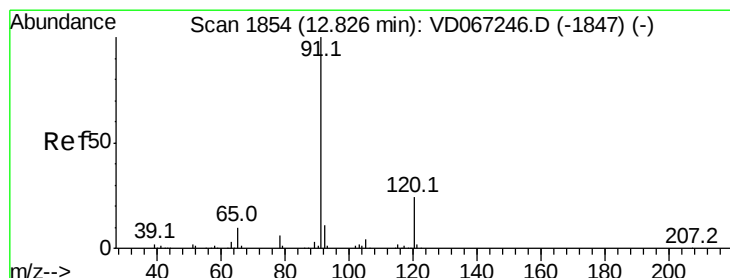
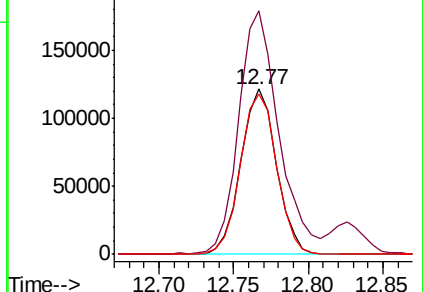
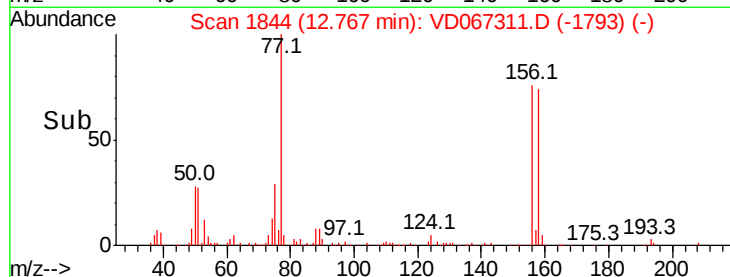
158 99.1 49.1 147.3



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: 52.998 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067311.D

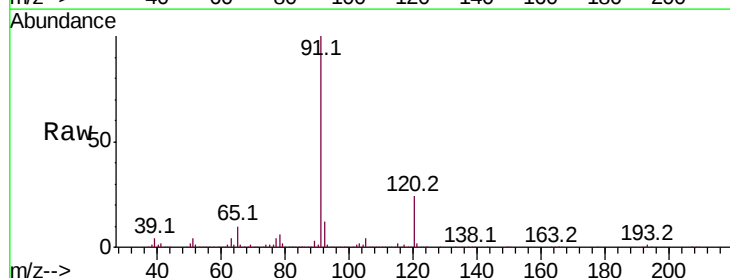
Acq: 19 Oct 2020 16:45

Tgt Ion: 91 Resp: 970714

Ion Ratio Lower Upper

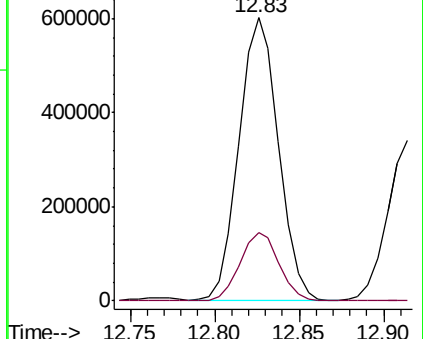
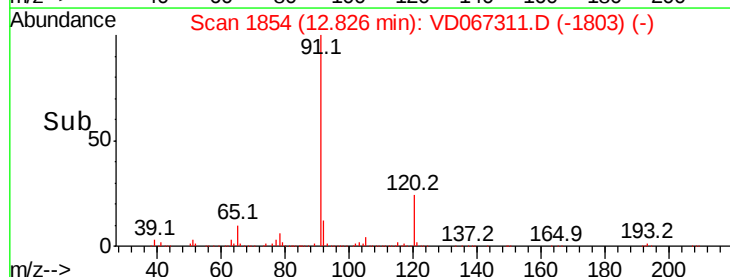
91 100

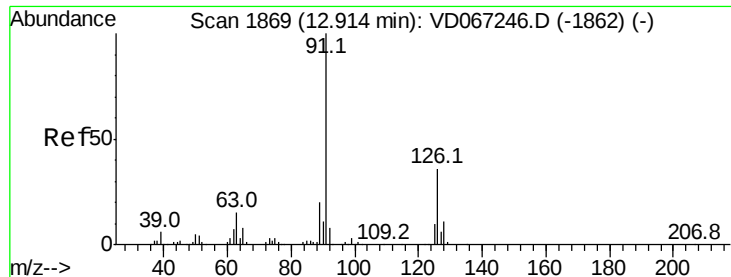
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.427 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

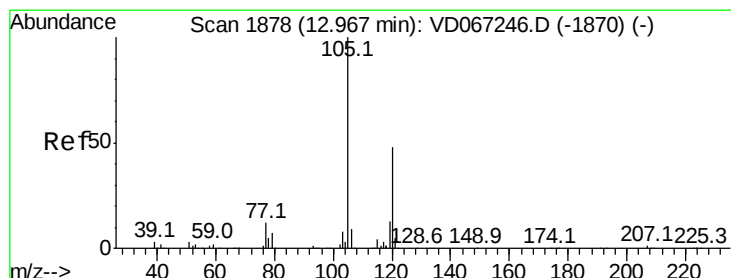
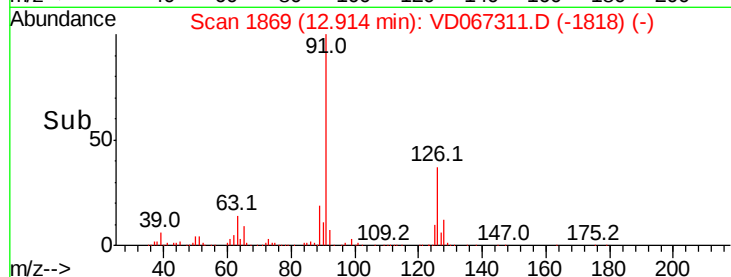
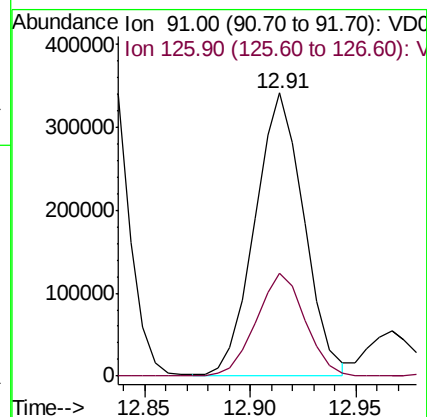
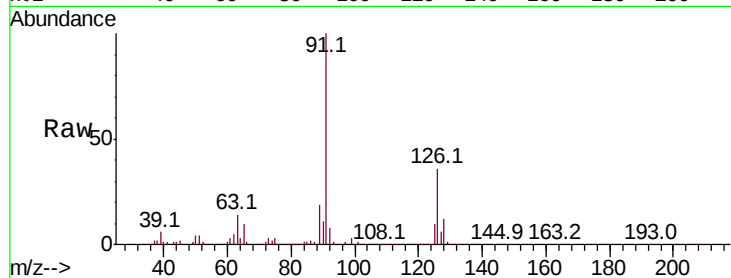
VSTDCCC050EC

Tot Ion: 91 Resp: 546248

Ion Ratio Lower Upper

91 100

126 36.4 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 52.557 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067311.D

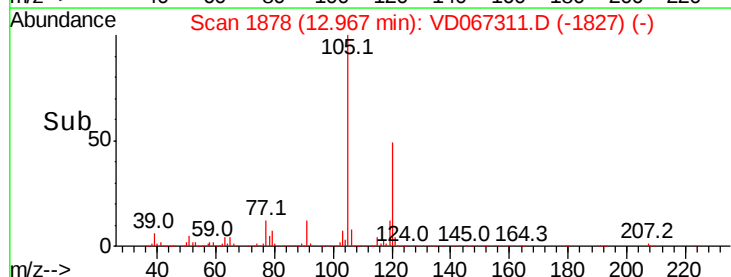
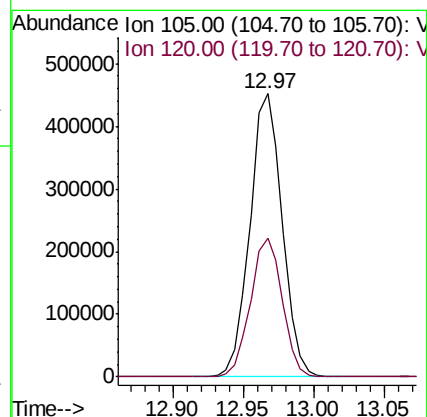
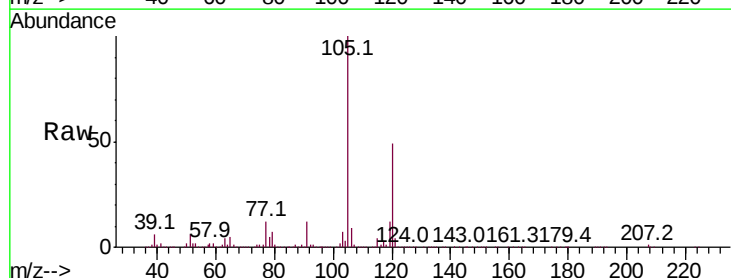
Acq: 19 Oct 2020 16:45

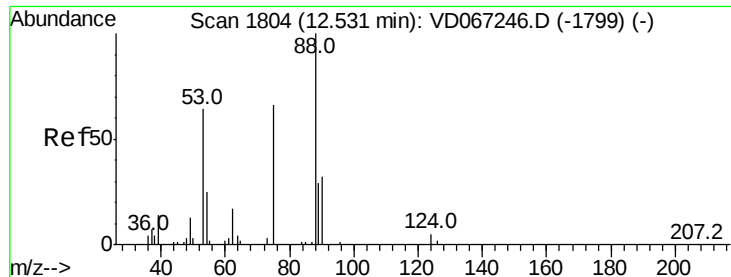
Tgt Ion: 105 Resp: 721994

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8

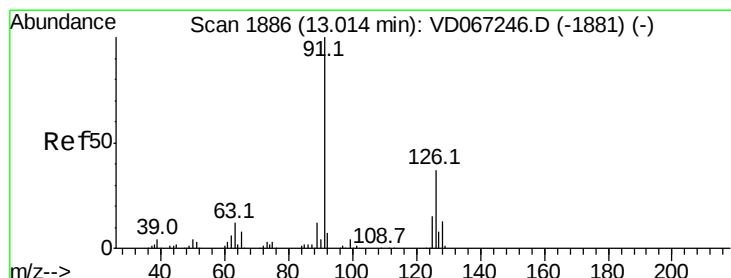
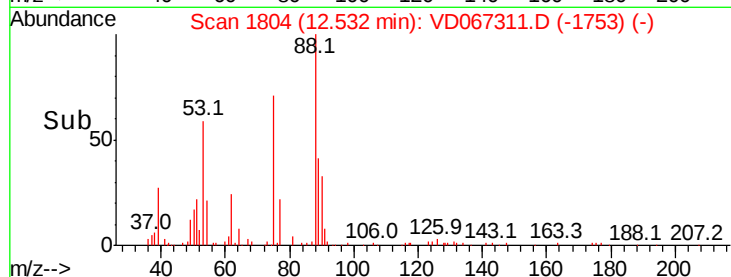
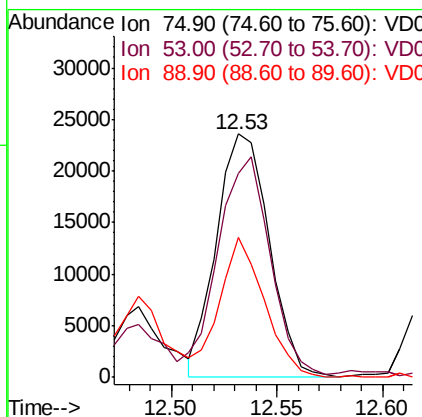
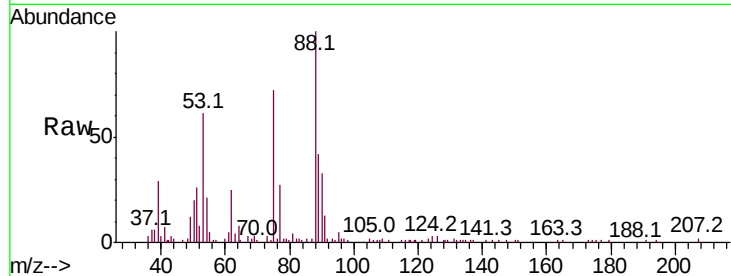




#81
trans-1,4-Dichloro-2-butene
Concen: 53.734 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

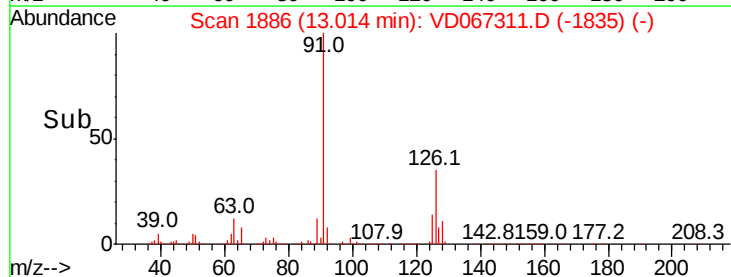
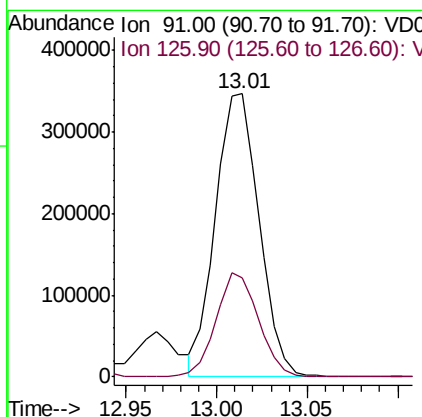
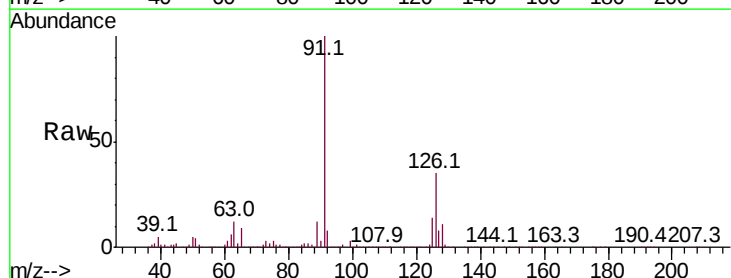
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

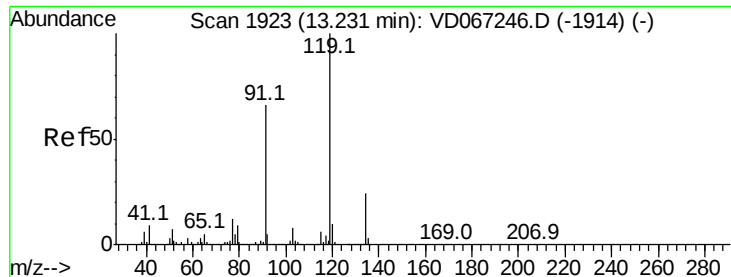
Tot Ion: 75 Resp: 40907
Ion Ratio Lower Upper
75 100
53 88.1 78.5 117.7
89 49.0 39.9 59.9



#82
4-Chlorotoluene
Concen: 51.192 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 91 Resp: 577110
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.5





#83

tert-Butylbenzene

Concen: 54.039 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

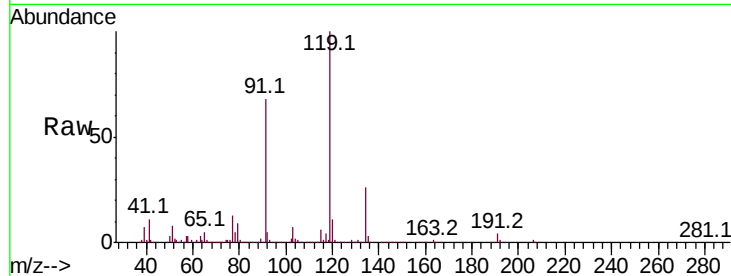
Tot Ion:119 Resp: 627071

Ion Ratio Lower Upper

119 100

91 67.3 33.1 99.2

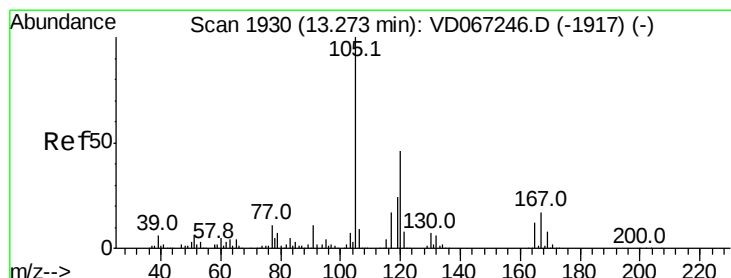
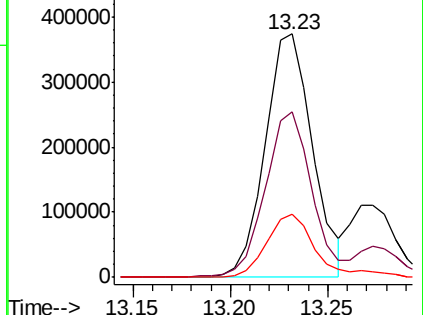
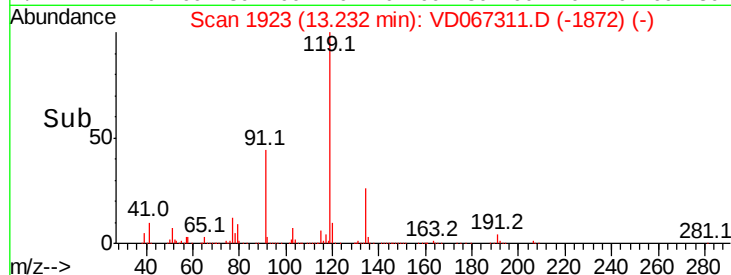
134 27.3 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.715 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067311.D

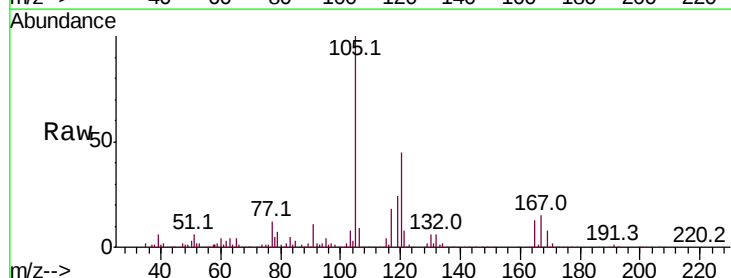
Acq: 19 Oct 2020 16:45

Tgt Ion:105 Resp: 729314

Ion Ratio Lower Upper

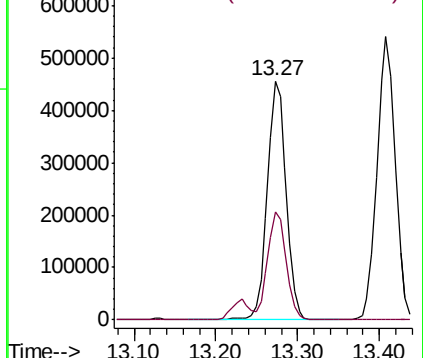
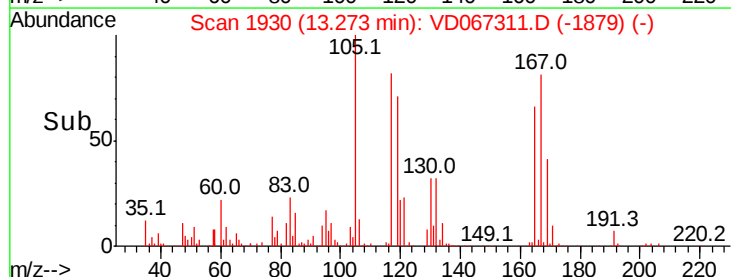
105 100

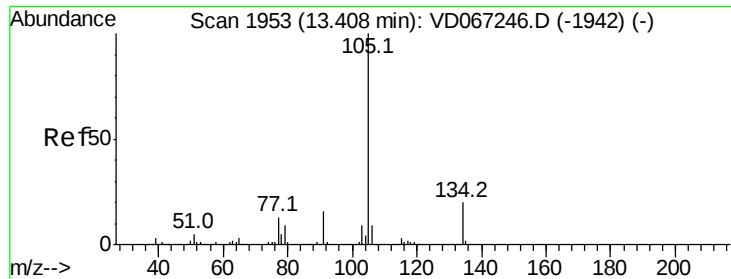
120 44.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.793 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

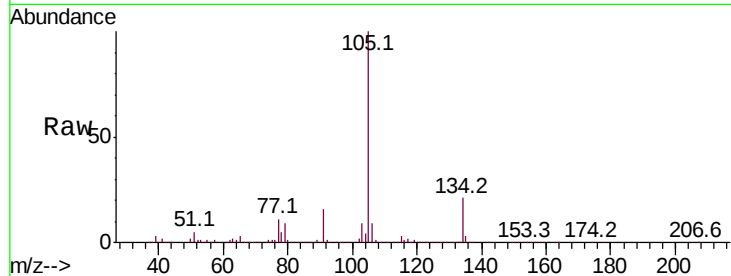
VSTDCCC050EC

Tot Ion:105 Resp: 840596

Ion Ratio Lower Upper

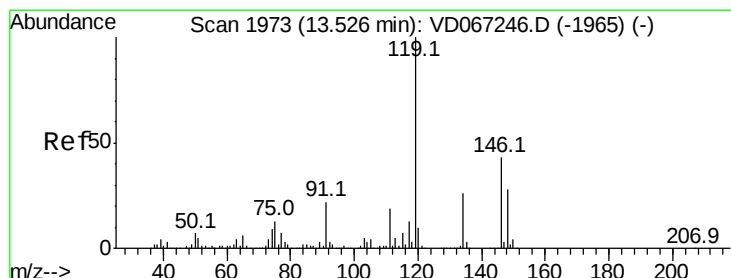
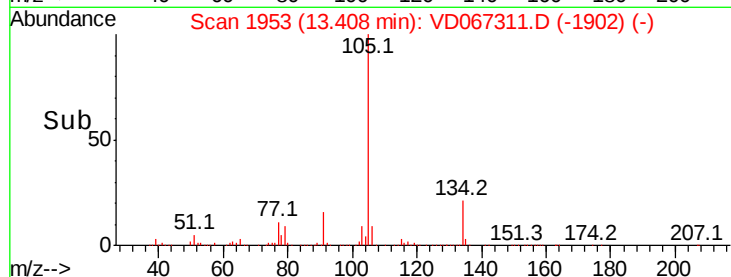
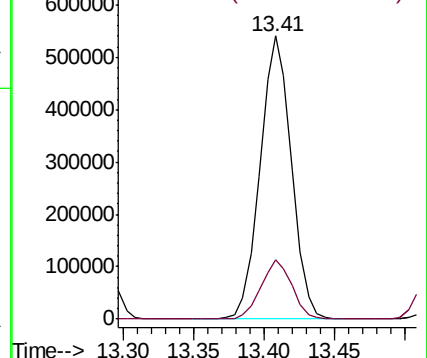
105 100

134 20.9 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: 53.446 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

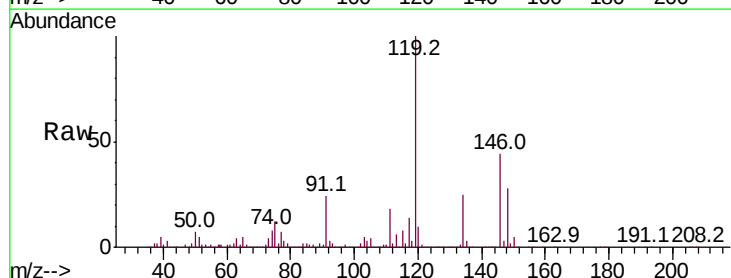
Tgt Ion:119 Resp: 803234

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

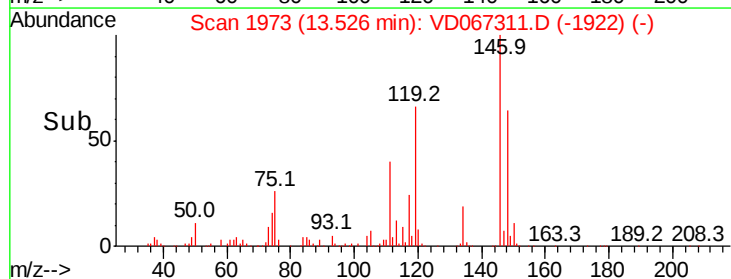
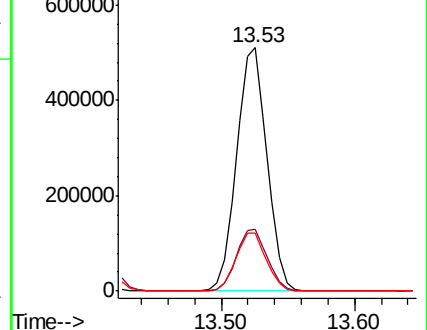
91 24.0 11.9 35.9

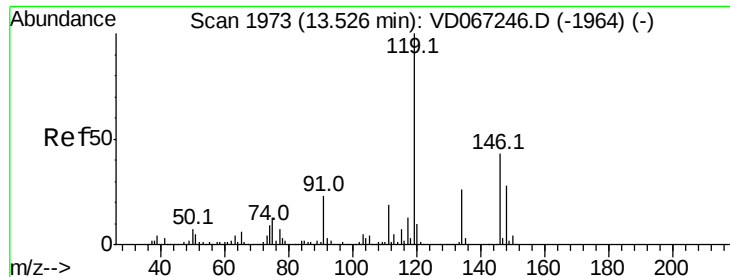


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

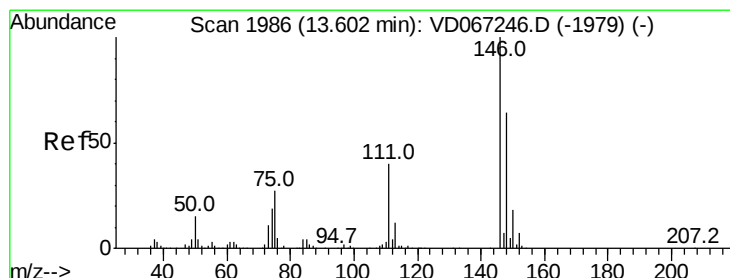
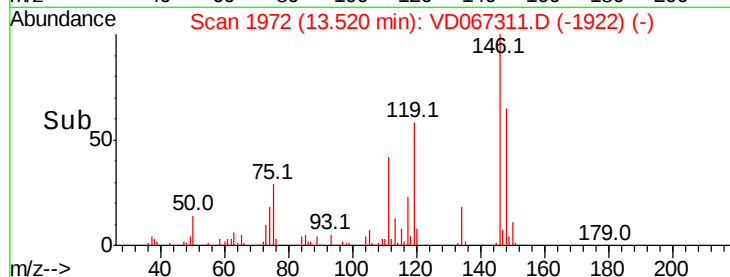
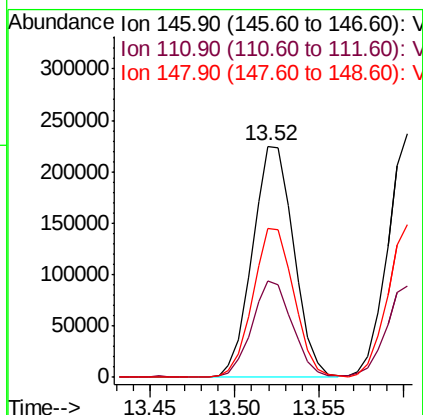
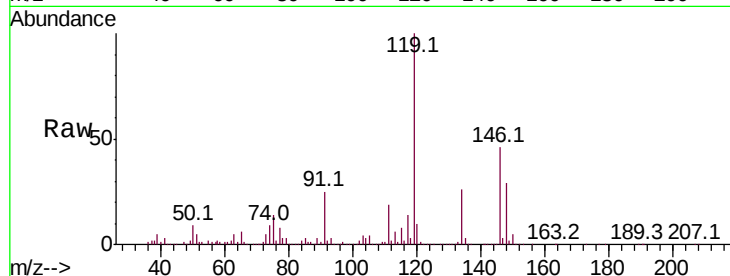




#87
 1,3-Dichlorobenzene
 Concen: 50.331 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

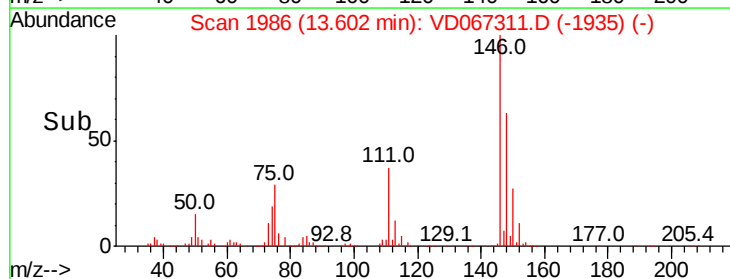
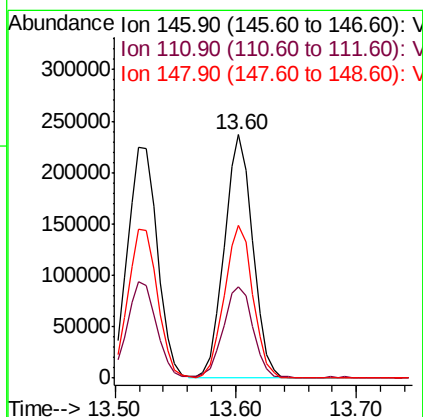
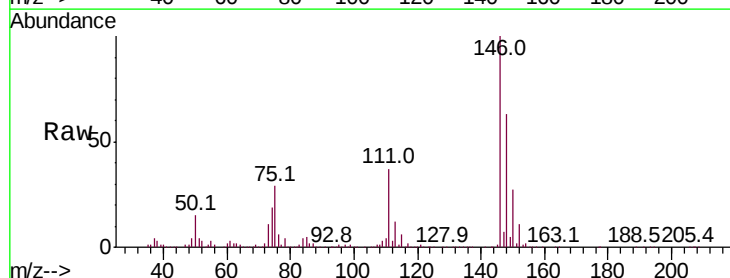
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

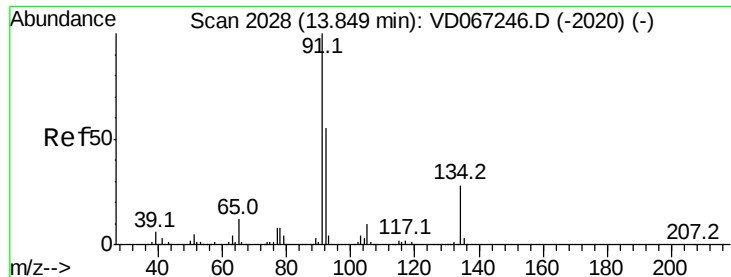
Tot Ion:146 Resp: 381800
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.1 63.3
 148 64.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 51.339 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion:146 Resp: 385844
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.9 59.7
 148 63.3 31.9 95.9

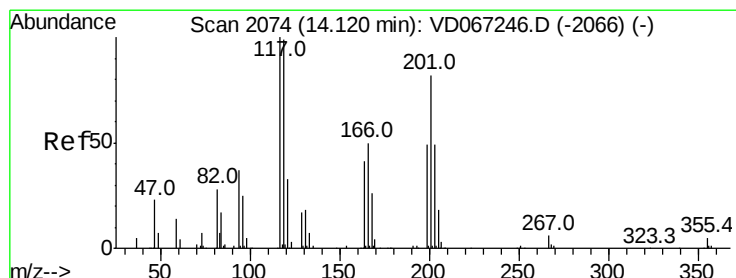
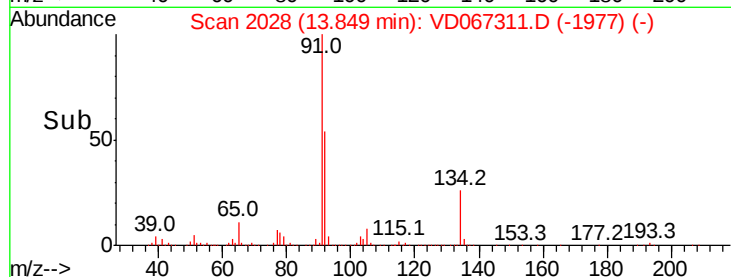
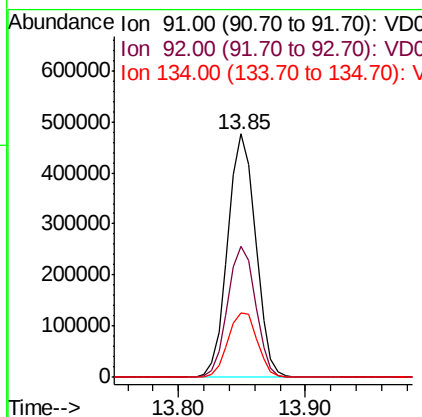
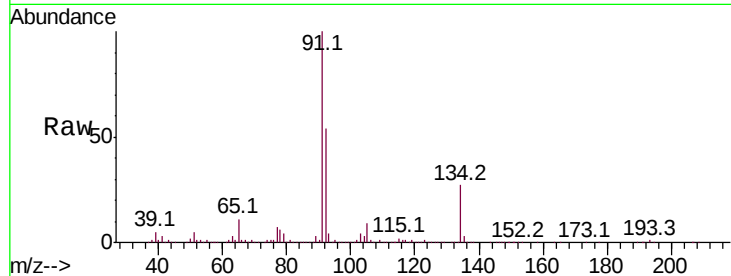




#89
n-Butylbenzene
Concen: 54.615 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

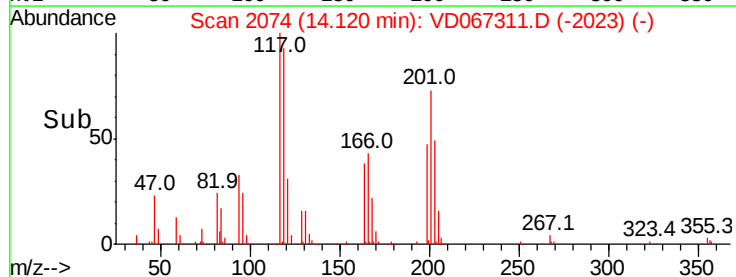
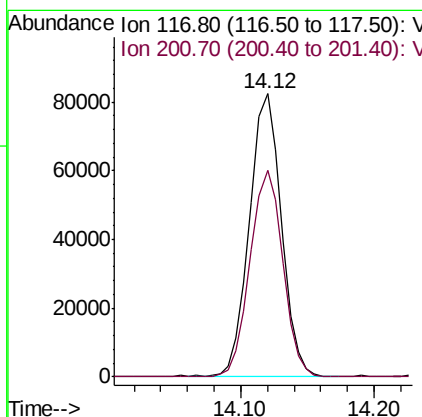
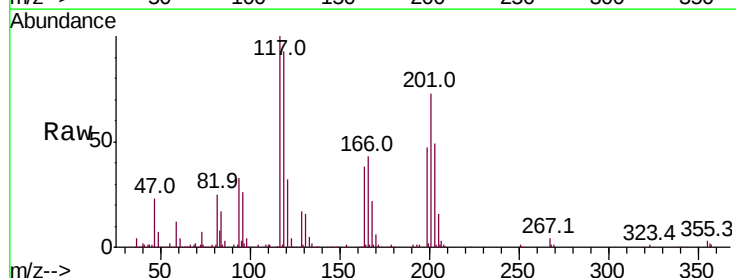
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

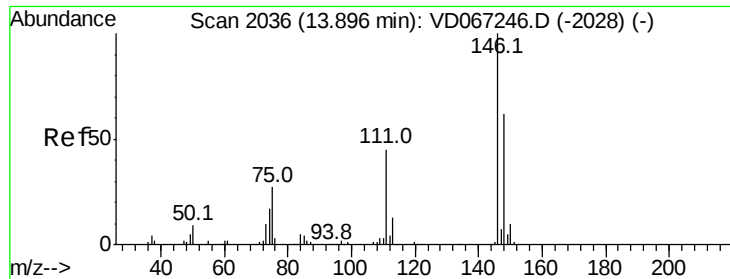
Tot Ion: 91 Resp: 722096
Ion Ratio Lower Upper
91 100
92 54.4 26.7 80.0
134 28.1 14.2 42.6



#90
Hexachloroethane
Concen: 51.910 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 117 Resp: 136140
Ion Ratio Lower Upper
117 100
201 74.7 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 51.139 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

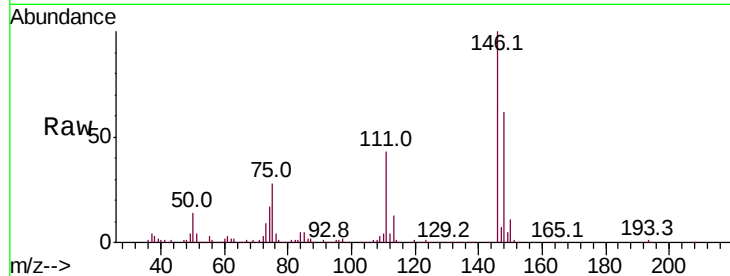
Tot Ion:146 Resp: 338895

Ion Ratio Lower Upper

146 100

111 42.4 22.0 66.0

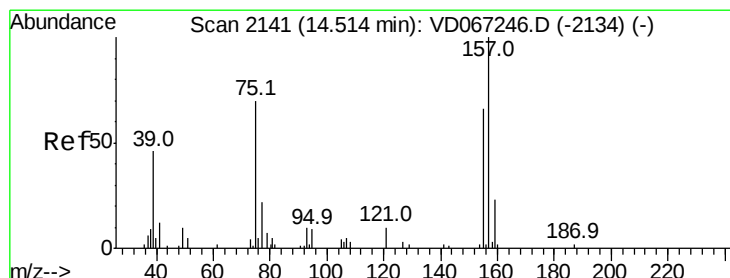
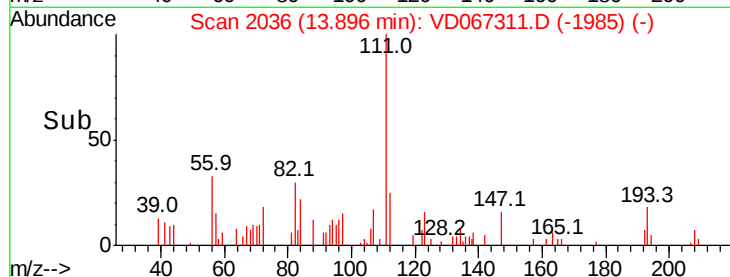
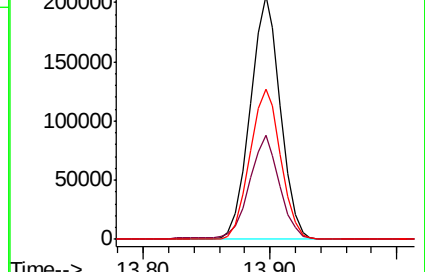
148 63.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.039 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

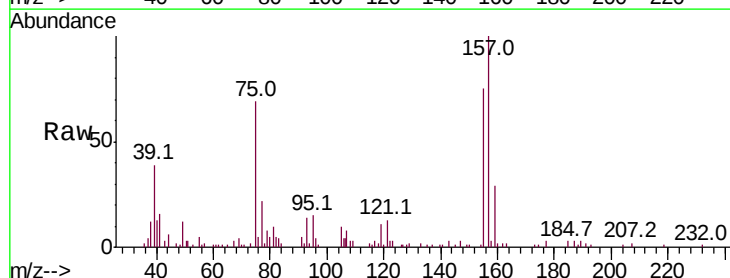
Tgt Ion: 75 Resp: 21579

Ion Ratio Lower Upper

75 100

155 103.1 44.8 134.4

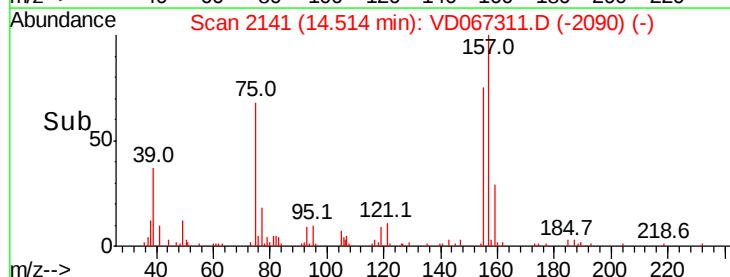
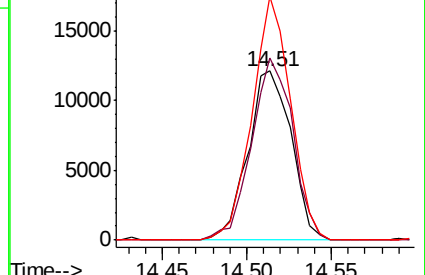
157 128.8 62.5 187.4

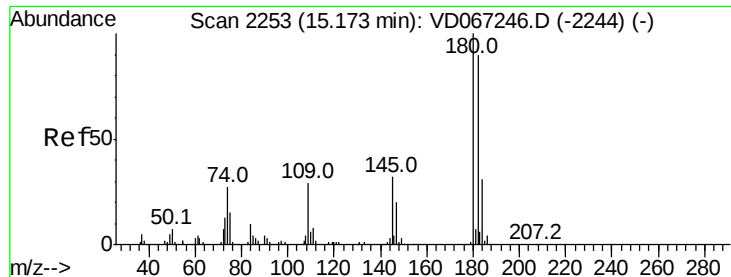


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

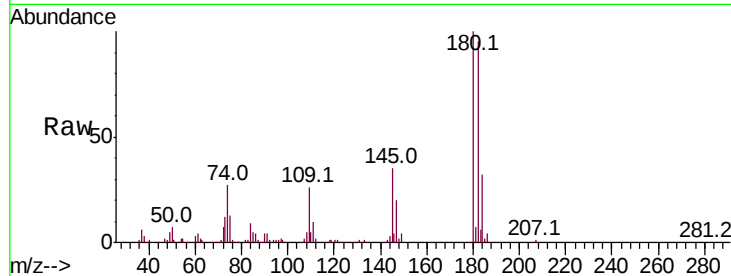




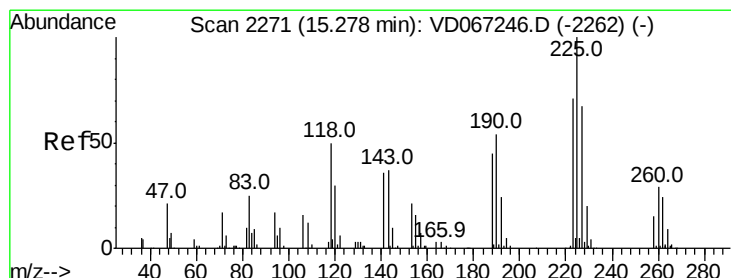
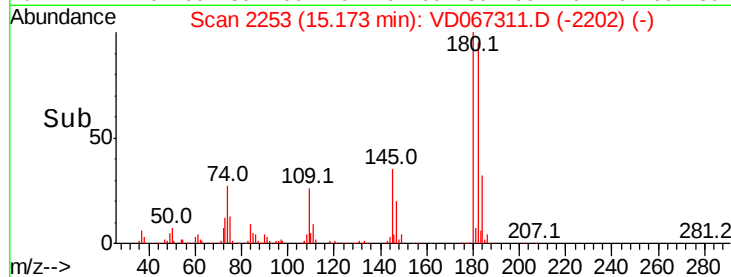
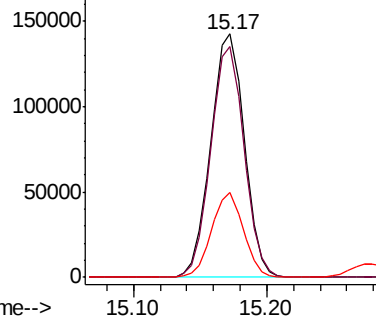
#93
 1,2,4-Trichlorobenzene
 Concen: 55.508 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.4
145	33.2	16.3	48.9

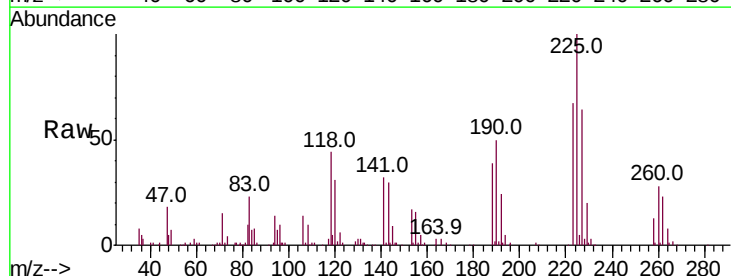


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

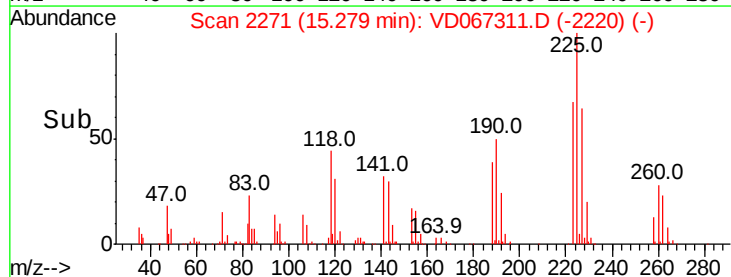
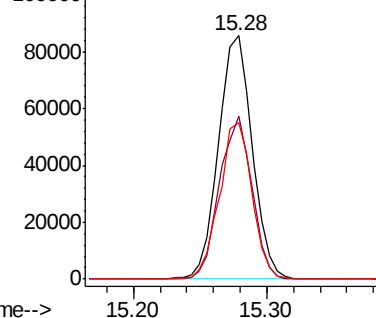


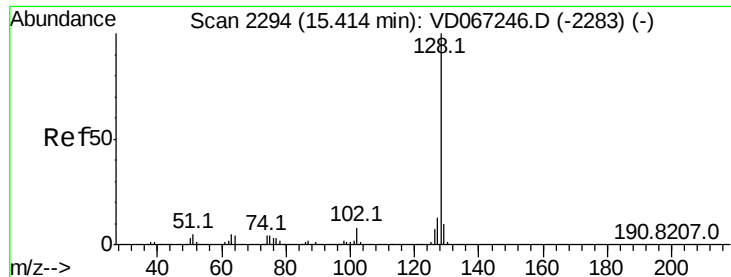
#94
 Hexachlorobutadiene
 Concen: 53.782 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	62.1	31.2	93.6



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

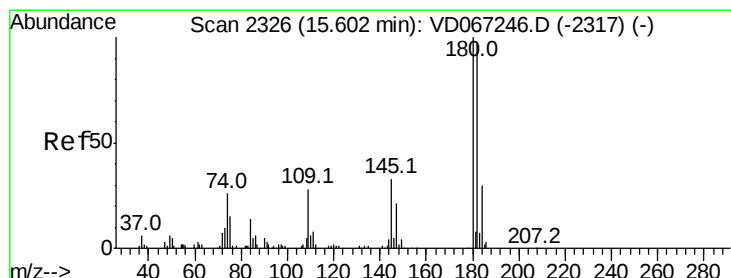
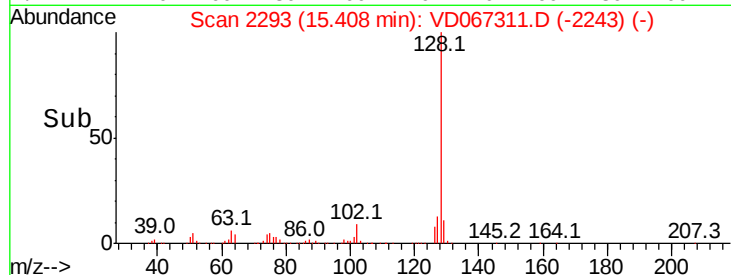
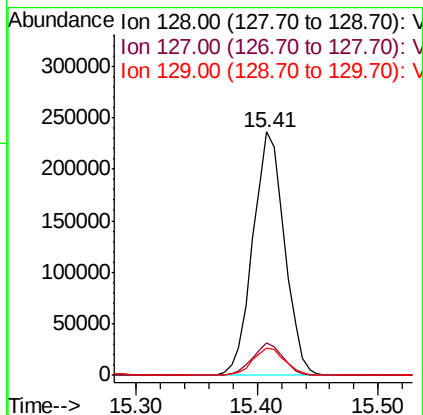
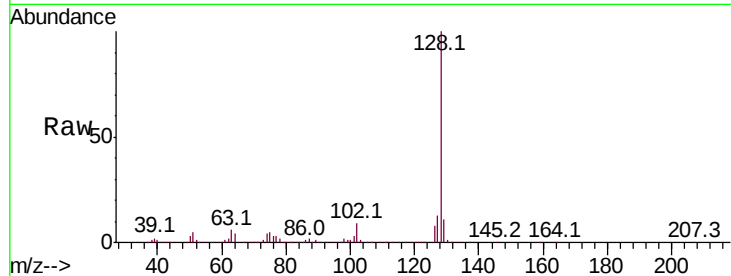




#95
Naphthalene
Concen: 58.749 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 55.944 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.1	144.3
145	32.9	17.3	51.9

