

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067303.D
 Acq On : 19 Oct 2020 12:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 20 01:12:12 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	328428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	468017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	422817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	145810	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
35) Dibromofluoromethane	7.92	113	151023	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.34	98	558334	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.64	95	189365	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	125289	47.288	ug/l	94
3) Chloromethane	2.20	50	88217	42.680	ug/l	91
4) Vinyl Chloride	2.35	62	99824	44.016	ug/l	98
5) Bromomethane	2.77	94	74581	47.122	ug/l	99
6) Chloroethane	2.92	64	64414	45.606	ug/l	93
7) Trichlorofluoromethane	3.27	101	281820	49.349	ug/l	95
8) Diethyl Ether	3.70	74	56521	43.252	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144308	47.562	ug/l	99
10) Methyl Iodide	4.30	142	142407	50.881	ug/l	97
11) Tert butyl alcohol	5.21	59	37613	213.151	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	128183	47.290	ug/l	99
13) Acrolein	3.93	56	45424	232.636	ug/l	99
14) Allyl chloride	4.71	41	142368	45.864	ug/l	96
15) Acrylonitrile	5.42	53	96426	221.144	ug/l	98
16) Acetone	4.16	43	119828	260.035	ug/l	95
17) Carbon Disulfide	4.41	76	348114	45.050	ug/l	97
18) Methyl Acetate	4.71	43	44641	42.472	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	253676	47.067	ug/l	98
20) Methylene Chloride	4.96	84	139506	46.992	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	147391	47.252	ug/l	99
22) Diisopropyl ether	6.36	45	271588	47.895	ug/l	99
23) Vinyl Acetate	6.30	43	793077	245.835	ug/l	98
24) 1,1-Dichloroethane	6.27	63	227391	46.846	ug/l	98
25) 2-Butanone	7.21	43	121075	230.495	ug/l	95
26) 2,2-Dichloropropane	7.21	77	252682	50.505	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	163665	47.874	ug/l	98
28) Bromochloromethane	7.54	49	73204	44.215	ug/l #	95
29) Tetrahydrofuran	7.56	42	68304	233.923	ug/l	95
30) Chloroform	7.71	83	281433	48.535	ug/l	92
31) Cyclohexane	7.98	56	173271	45.721	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	285143	50.119	ug/l	99
36) 1,1-Dichloropropene	8.11	75	203089	51.198	ug/l	100
37) Ethyl Acetate	7.30	43	55921	47.915	ug/l #	91
38) Carbon Tetrachloride	8.10	117	270897	53.433	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214180	51.648	ug/l	97
40) Benzene	8.35	78	551902	50.715	ug/l	97
41) Methacrylonitrile	7.52	41	30302	48.047	ug/l	91
42) 1,2-Dichloroethane	8.43	62	168199	49.389	ug/l	100
43) Isopropyl Acetate	8.46	43	112401	48.536	ug/l	99
44) Trichloroethene	9.11	130	177227	50.865	ug/l	97
45) 1,2-Dichloropropane	9.39	63	121025	47.986	ug/l	96
46) Dibromomethane	9.48	93	77444	49.284	ug/l	93
47) Bromodichloromethane	9.67	83	209115	49.670	ug/l	98
48) Methyl methacrylate	9.46	41	53767	47.776	ug/l	96
49) 1,4-Dioxane	9.47	88	15660	1030.741	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	278807	241.380	ug/l	99
52) Toluene	10.41	92	382998	51.673	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	183258	49.551	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	216034	49.913	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	102514	47.841	ug/l	96
56) Ethyl methacrylate	10.67	69	110954	49.927	ug/l	98
57) 1,3-Dichloropropane	10.95	76	166150	48.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	277470	243.386	ug/l	97
59) 2-Hexanone	10.98	43	202096	256.050	ug/l	99
60) Dibromochloromethane	11.14	129	156700	50.145	ug/l	98
61) 1,2-Dibromoethane	11.25	107	102881	48.701	ug/l	100
64) Tetrachloroethene	10.88	164	157317	51.353	ug/l	96
65) Chlorobenzene	11.67	112	415480	51.243	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	166861	51.780	ug/l	98
67) Ethyl Benzene	11.75	91	744878	53.594	ug/l	99
68) m/p-Xylenes	11.86	106	564834	105.534	ug/l	100
69) o-Xylene	12.18	106	259070	52.273	ug/l	98
70) Styrene	12.20	104	441908	51.796	ug/l	98
71) Bromoform	12.37	173	84880	49.030	ug/l #	99
73) Isopropylbenzene	12.48	105	744750	55.253	ug/l	99
74) N-amyl acetate	12.29	43	104244	51.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	103957	50.335	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	139865	95.018	ug/l #	100
77) Bromobenzene	12.77	156	174392	51.896	ug/l	99
78) n-propylbenzene	12.83	91	862180	55.207	ug/l	100
79) 2-Chlorotoluene	12.91	91	482681	53.296	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	641528	54.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	32540	50.130	ug/l	99
82) 4-Chlorotoluene	13.01	91	508507	52.902	ug/l	99
83) tert-Butylbenzene	13.23	119	561096	56.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	632445	54.630	ug/l	99
85) sec-Butylbenzene	13.41	105	754106	55.545	ug/l	100
86) p-Isopropyltoluene	13.52	119	714128	55.729	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328144	50.733	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	334054	52.129	ug/l	99
89) n-Butylbenzene	13.85	91	628850	55.782	ug/l	99
90) Hexachloroethane	14.12	117	119378	53.385	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	287059	50.803	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18335	48.867	ug/l	96

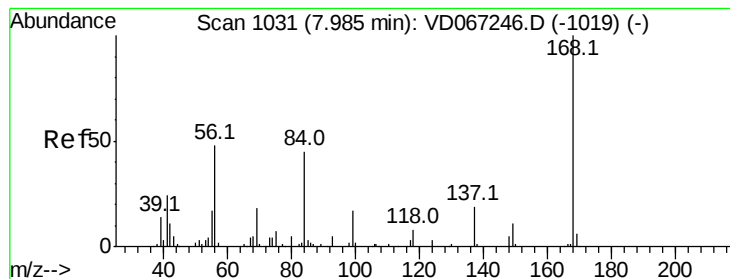
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	206155	54.113	ug/l	98
94) Hexachlorobutadiene	15.27	225	132940	56.193	ug/l	99
95) Naphthalene	15.41	128	334539	53.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	175695	53.383	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

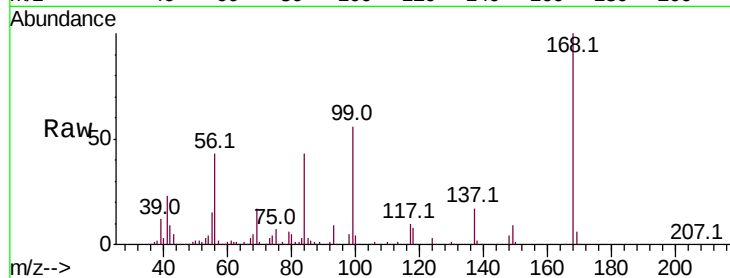
VSTDCCC050

Tot Ion:168 Resp: 328428

Ion Ratio Lower Upper

168 100

99 55.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

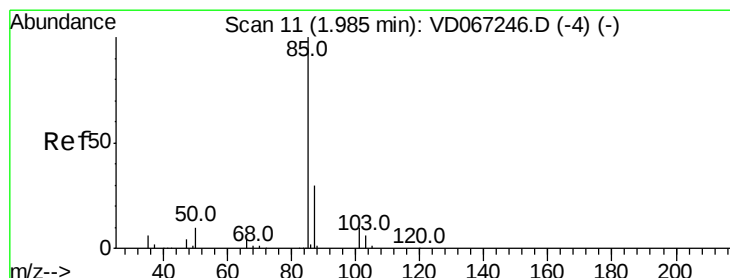
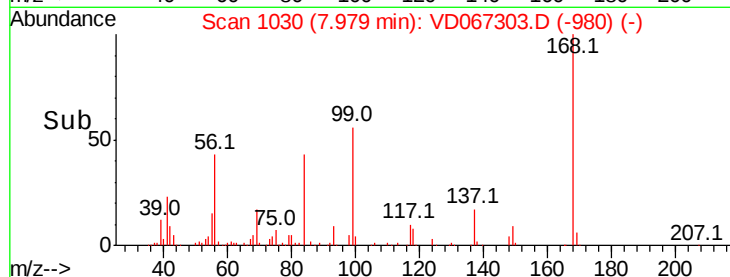
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.288 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067303.D

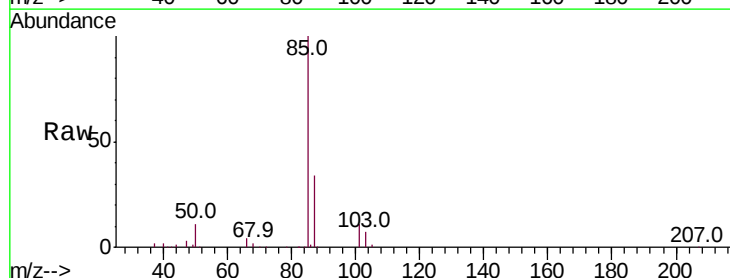
Acq: 19 Oct 2020 12:21

Tgt Ion: 85 Resp: 125289

Ion Ratio Lower Upper

85 100

87 33.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

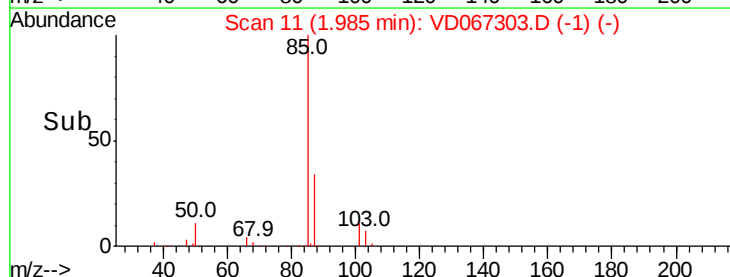
40000

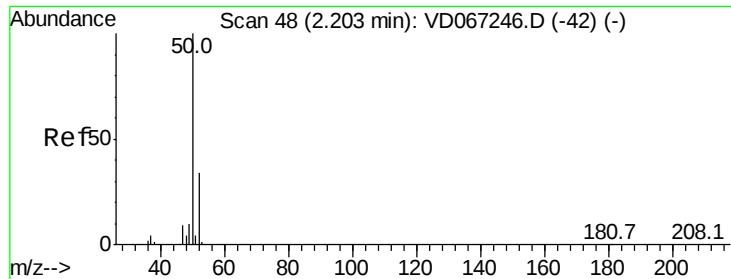
20000

0

1.90 1.95 2.00 2.05

Time-->

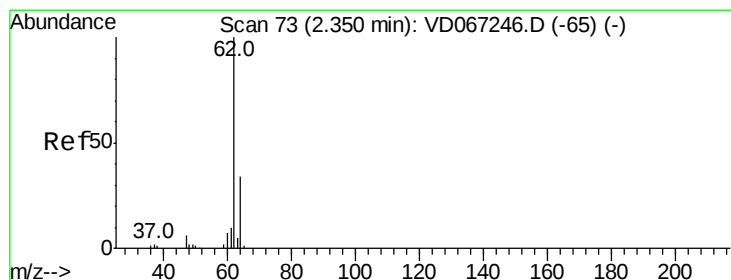
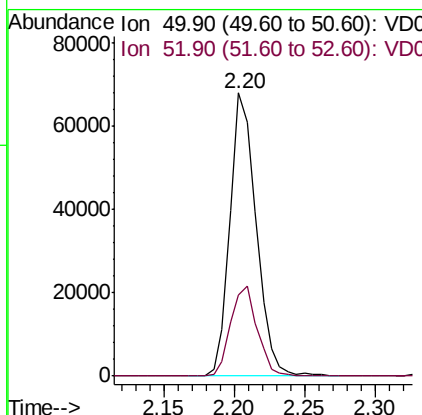
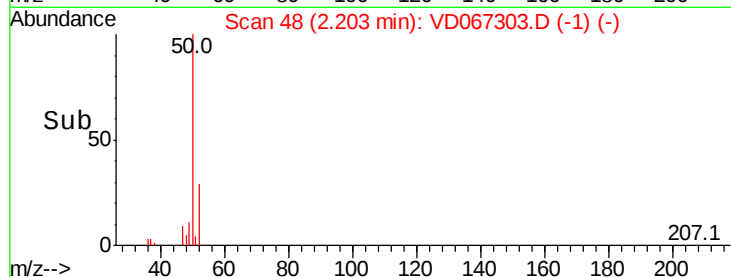
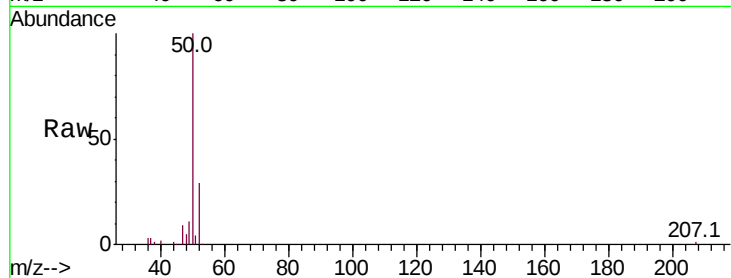




#3
Chloromethane
Concen: 42.680 ug/l
RT: 2.20 min Scan# 48
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

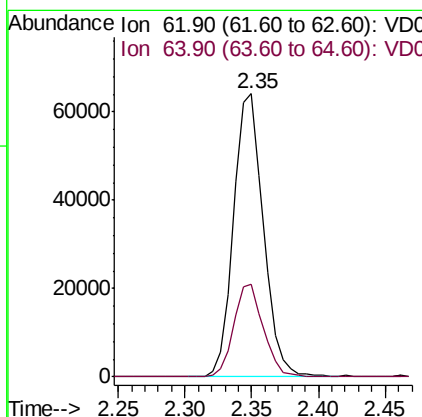
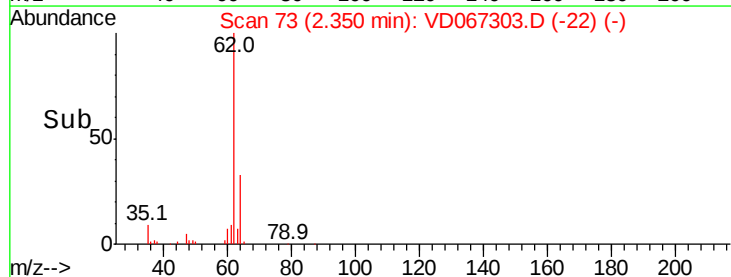
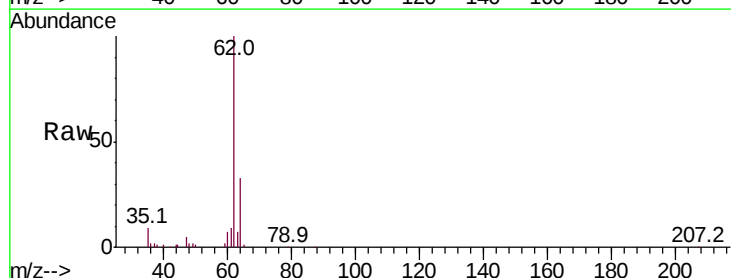
Instrument :
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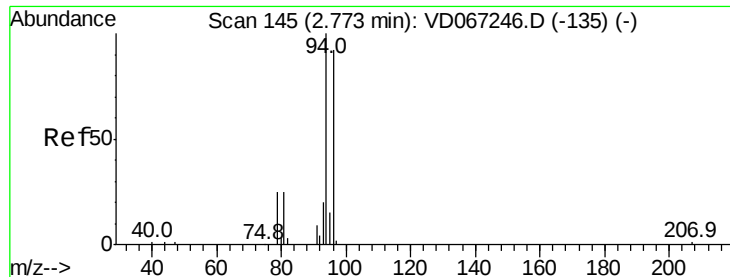
Tot Ion: 50 Resp: 88217
Ion Ratio Lower Upper
50 100
52 28.8 27.1 40.7



#4
Vinyl Chloride
Concen: 44.016 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 62 Resp: 99824
Ion Ratio Lower Upper
62 100
64 32.9 27.4 41.0





#5

Bromomethane

Concen: 47.122 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

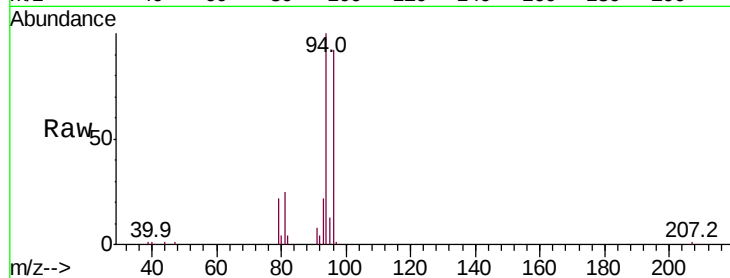
VSTDCCC050

Tot Ion: 94 Resp: 74581

Ion Ratio Lower Upper

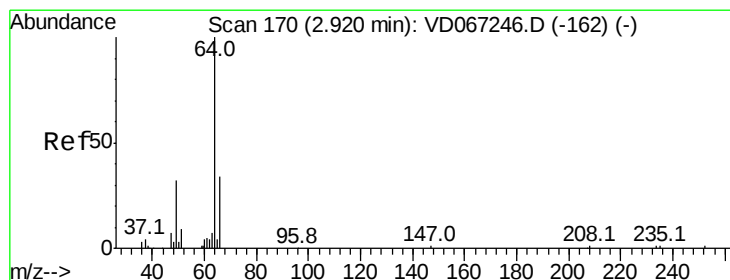
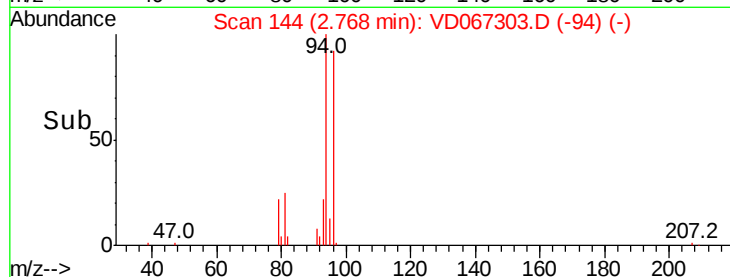
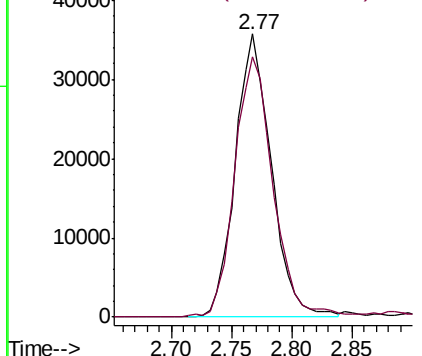
94 100

96 91.4 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: 45.606 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067303.D

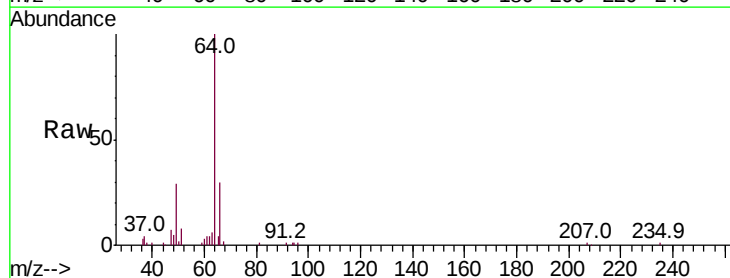
Acq: 19 Oct 2020 12:21

Tgt Ion: 64 Resp: 64414

Ion Ratio Lower Upper

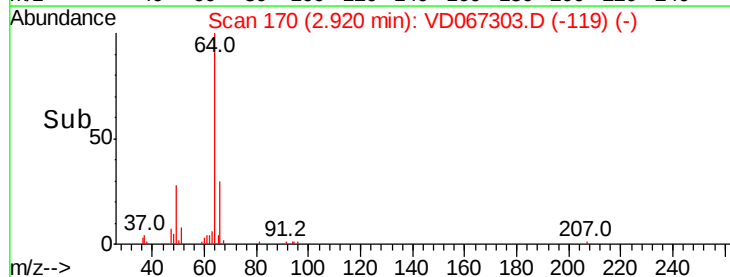
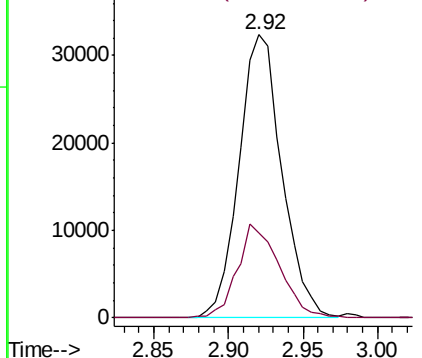
64 100

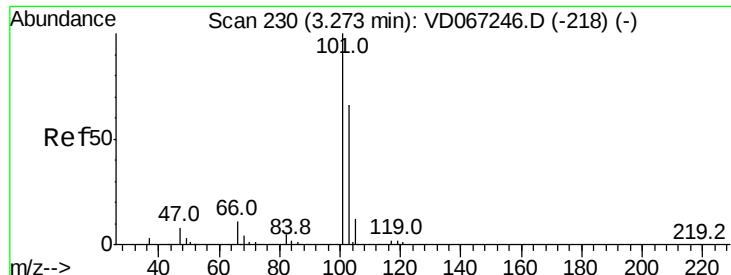
66 30.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



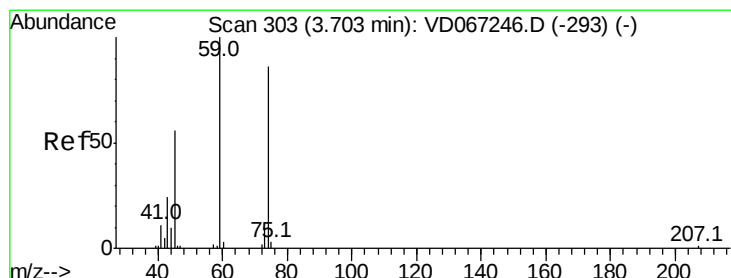
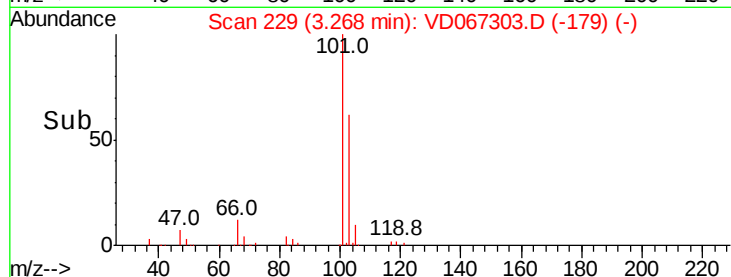
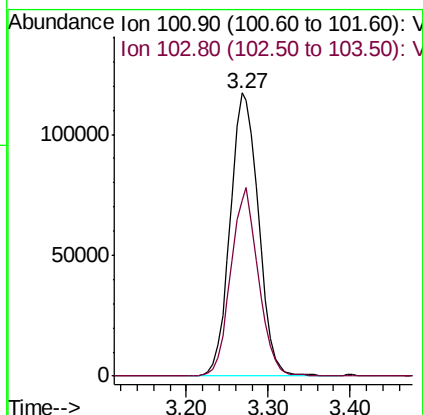
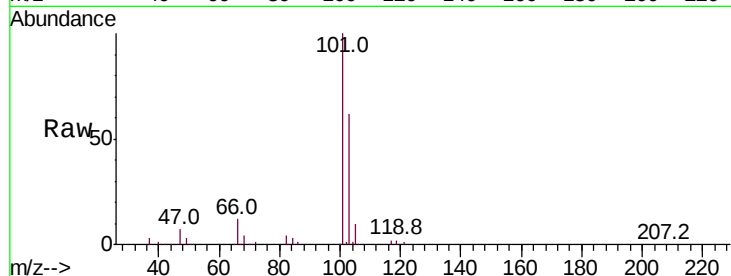


#7

Trichlorofluoromethane
 Concen: 49.349 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Instrument :
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 VSTDCCC050

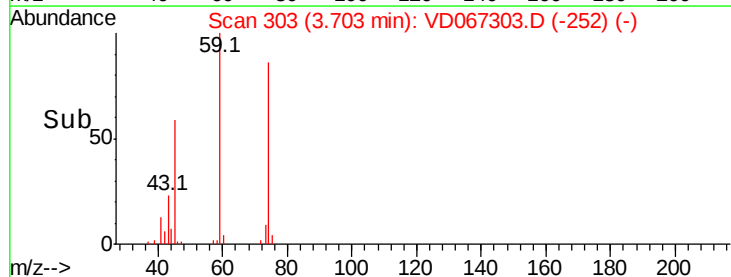
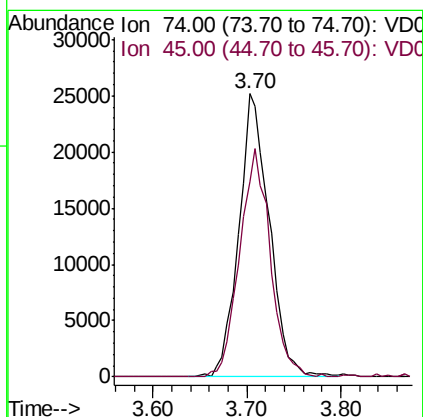
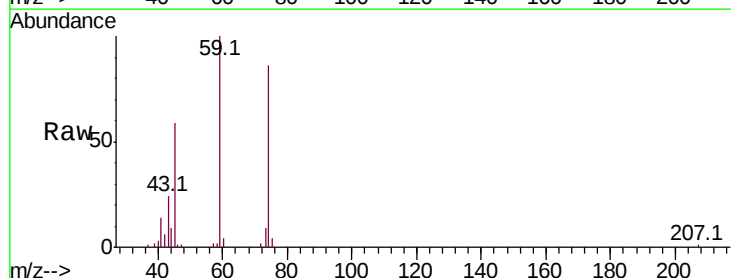
Tot Ion:101 Resp: 281820
 Ion Ratio Lower Upper
 101 100
 103 62.0 53.1 79.7

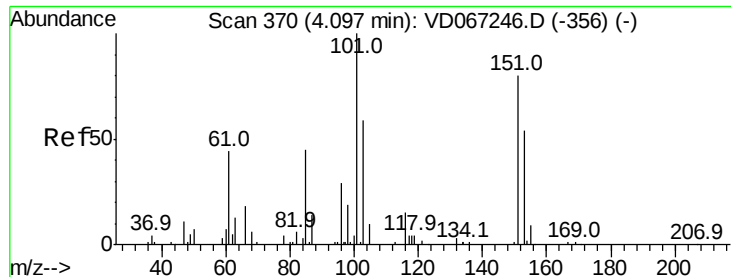


#8

Diethyl Ether
 Concen: 43.252 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Tgt Ion: 74 Resp: 56521
 Ion Ratio Lower Upper
 74 100
 45 80.4 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.562 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

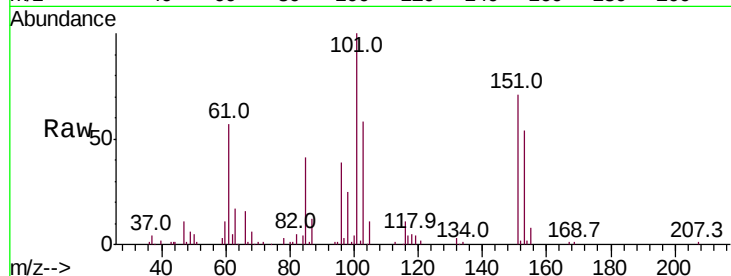
Tot Ion:101 Resp: 144308

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

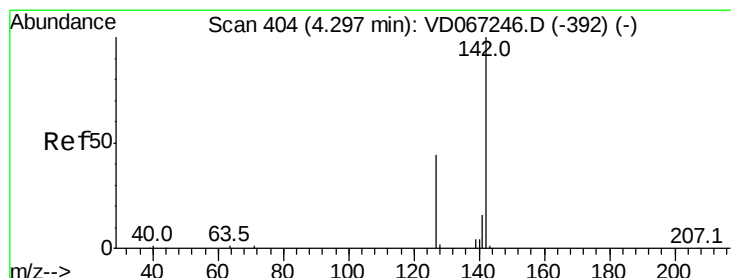
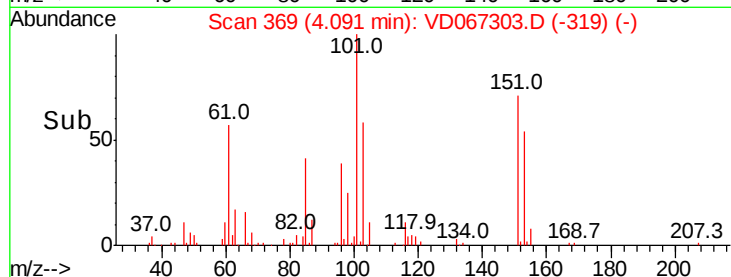
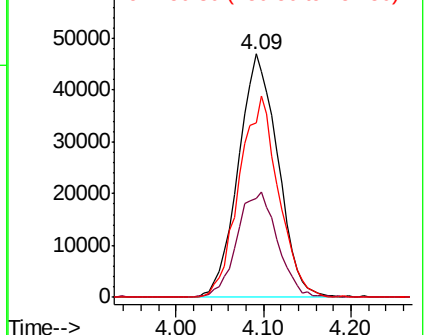
151 82.6 66.3 99.5



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: 50.881 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

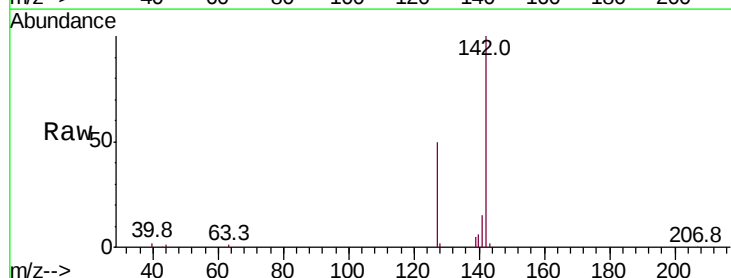
Tgt Ion:142 Resp: 142407

Ion Ratio Lower Upper

142 100

127 50.6 38.4 57.6

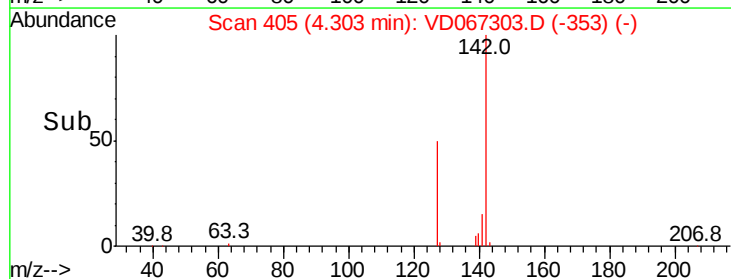
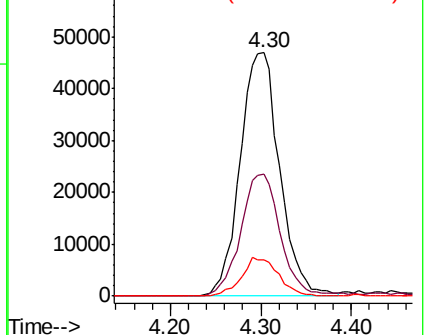
141 14.7 11.6 17.4

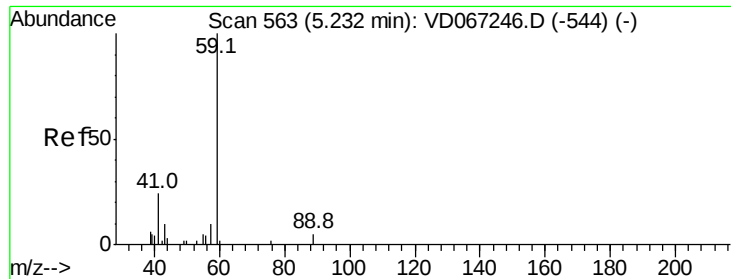


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 213.151 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

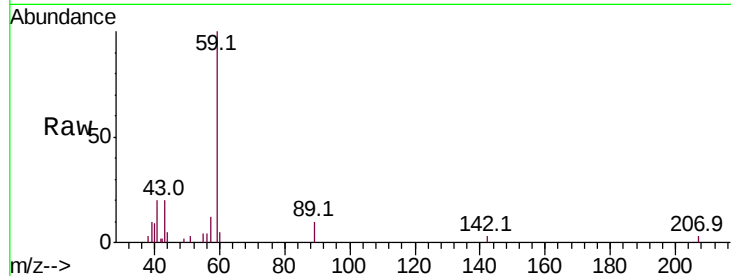
VSTDCCC050

Tot Ion: 59 Resp: 37613

Ion Ratio Lower Upper

59 100

57 9.5 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

10000

8000

6000

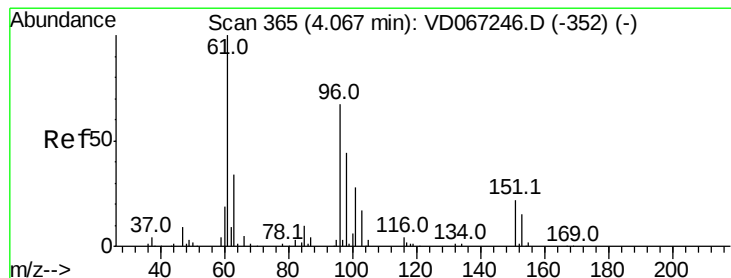
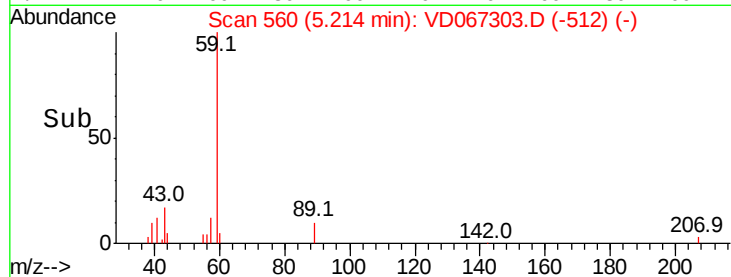
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 47.290 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

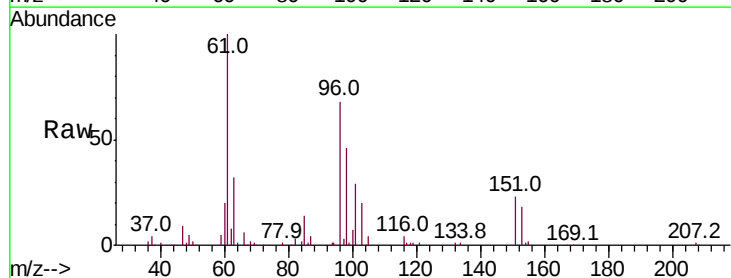
Tgt Ion: 96 Resp: 128183

Ion Ratio Lower Upper

96 100

61 147.8 118.6 177.8

98 67.5 51.8 77.6



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

80000

60000

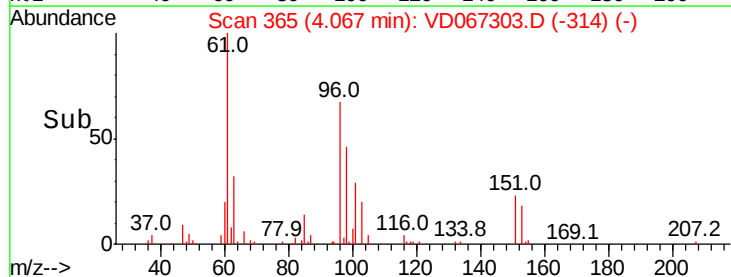
40000

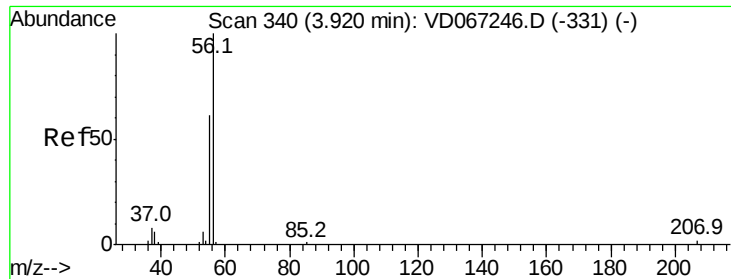
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 232.636 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

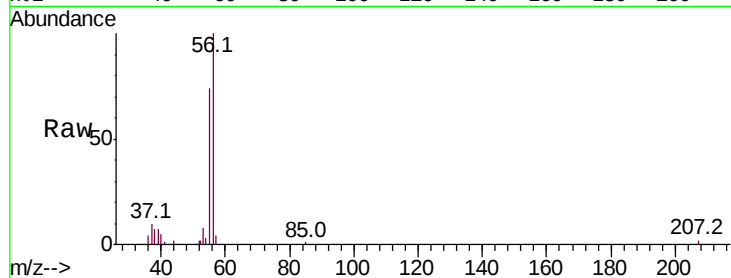
VSTDCCC050

Tot Ion: 56 Resp: 45424

Ion Ratio Lower Upper

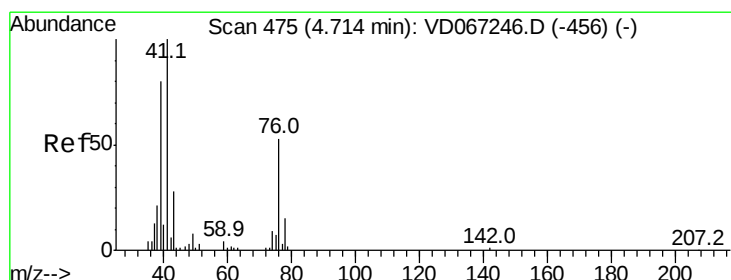
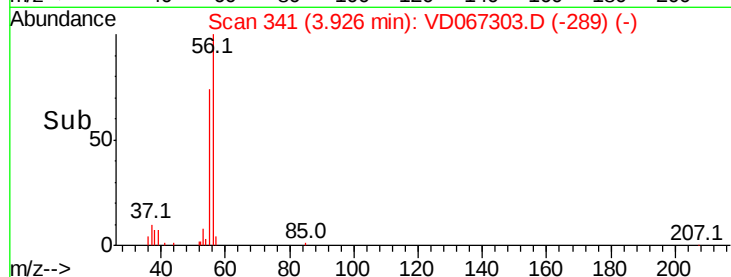
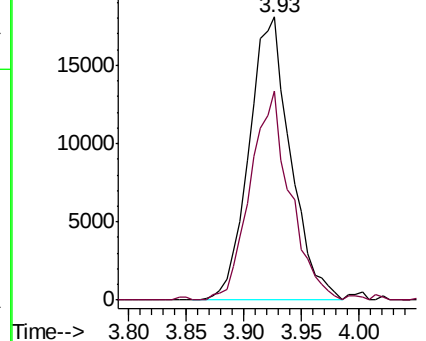
56 100

55 70.6 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.864 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

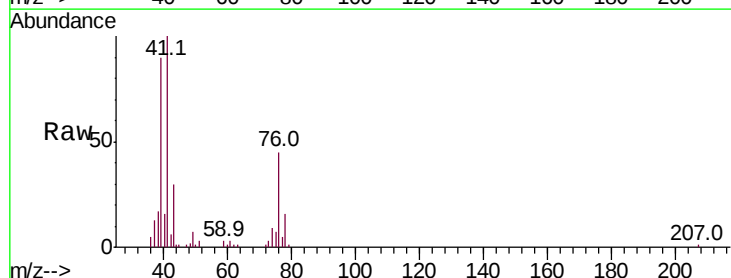
Tgt Ion: 41 Resp: 142368

Ion Ratio Lower Upper

41 100

39 84.5 63.8 95.6

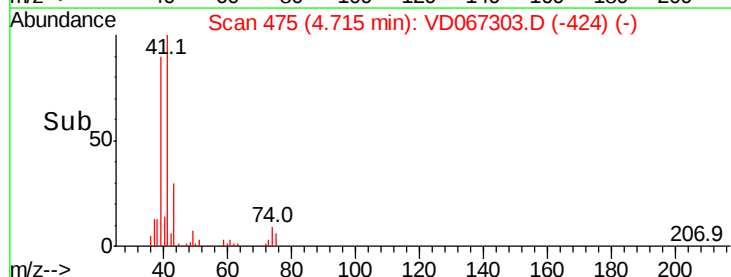
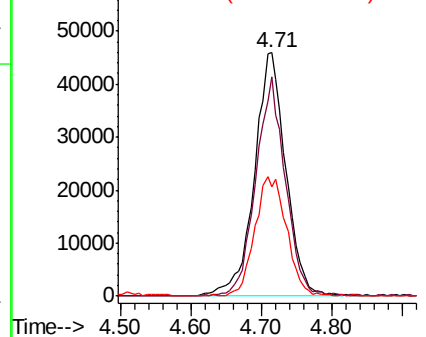
76 49.8 40.4 60.6

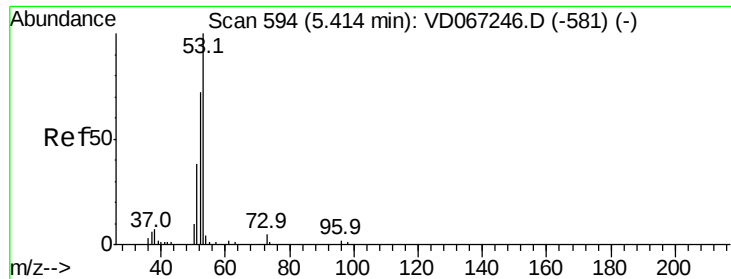


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 221.144 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

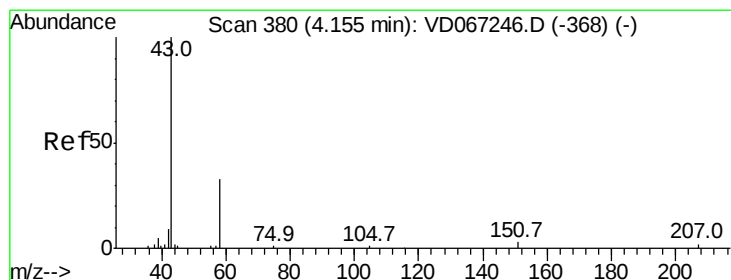
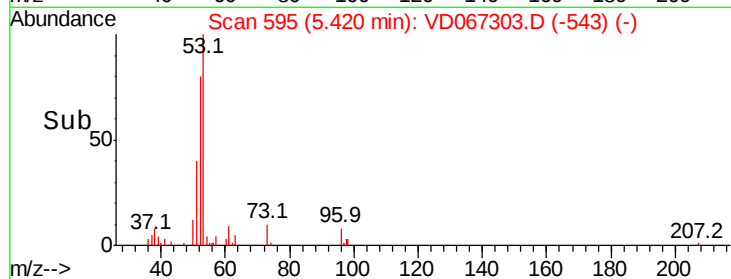
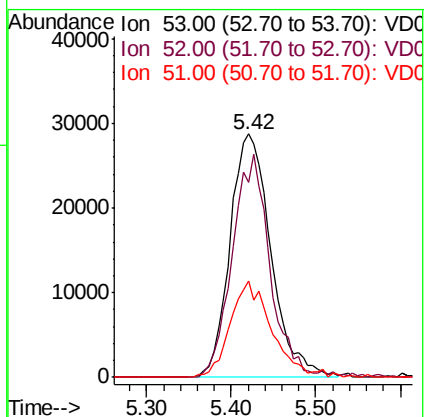
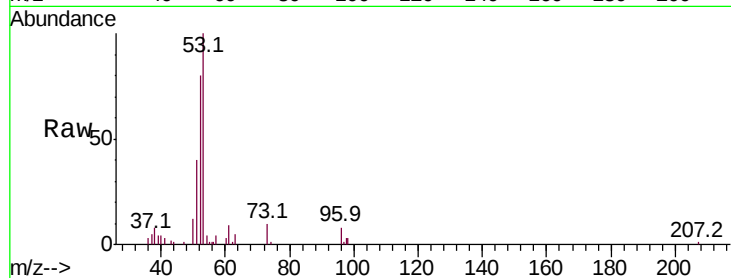
Tot Ion: 53 Resp: 96426

Ion Ratio Lower Upper

53 100

52 83.8 65.6 98.4

51 39.3 30.8 46.2



#16

Acetone

Concen: 260.035 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067303.D

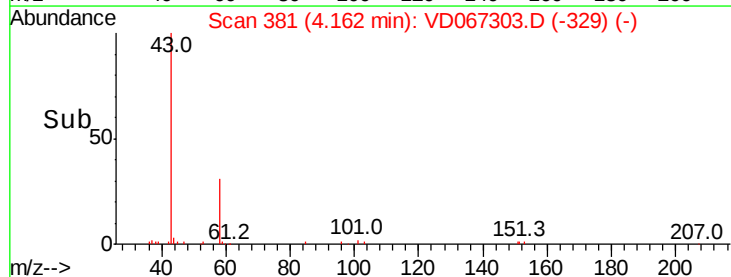
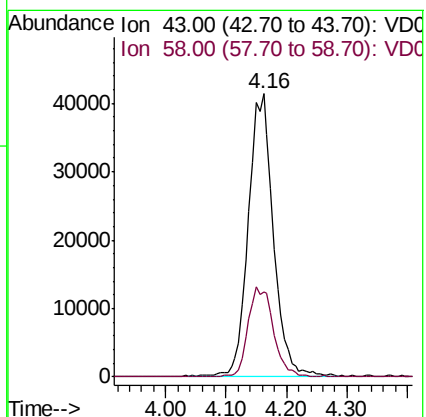
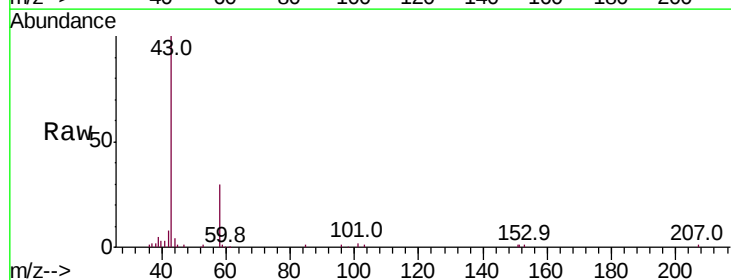
Acq: 19 Oct 2020 12:21

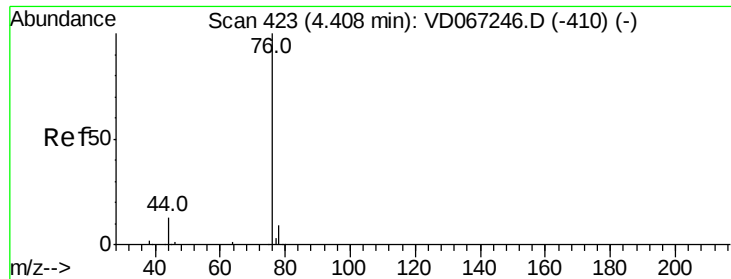
Tgt Ion: 43 Resp: 119828

Ion Ratio Lower Upper

43 100

58 29.9 26.1 39.1

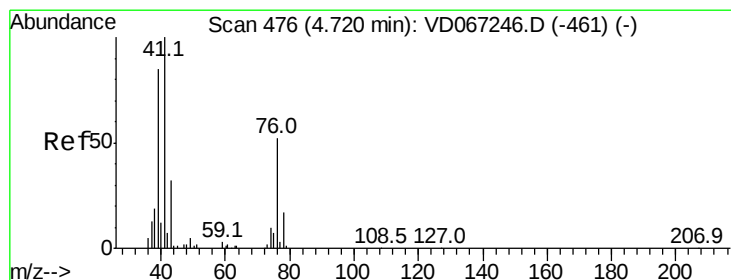
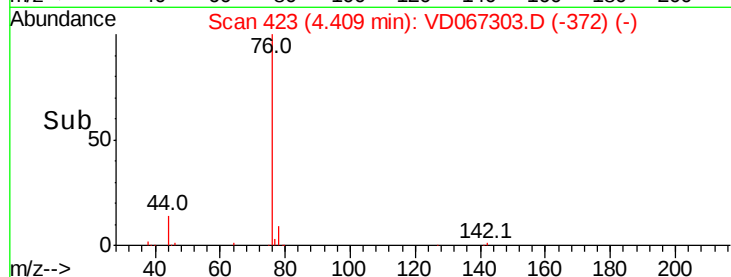
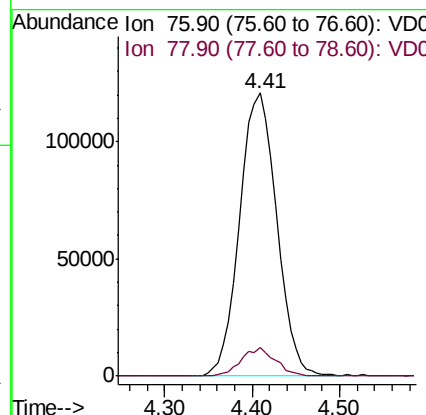
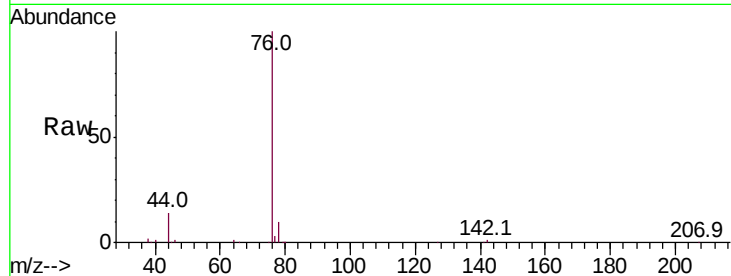




#17
Carbon Disulfide
Concen: 45.050 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

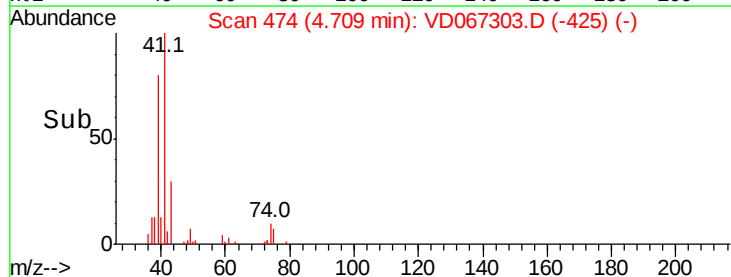
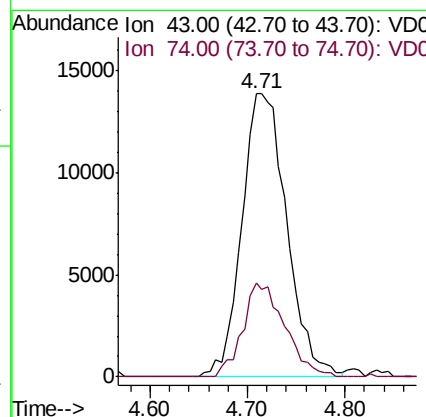
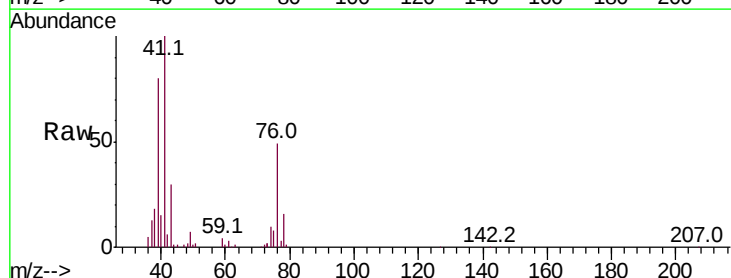
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

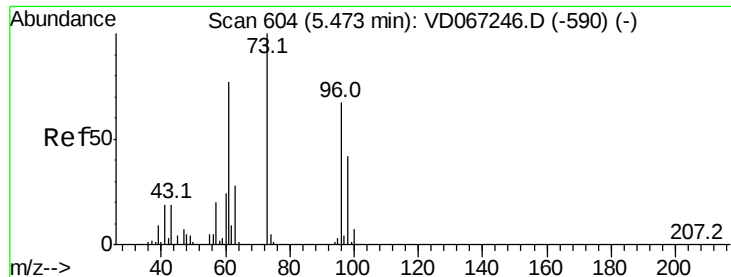
Tot Ion: 76 Resp: 348114
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methyl Acetate
Concen: 42.472 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 43 Resp: 44641
Ion Ratio Lower Upper
43 100
74 31.0 26.6 39.8

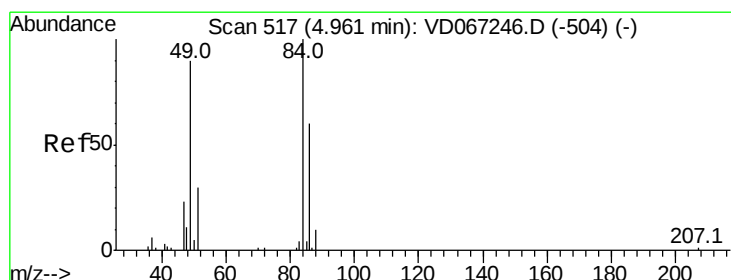
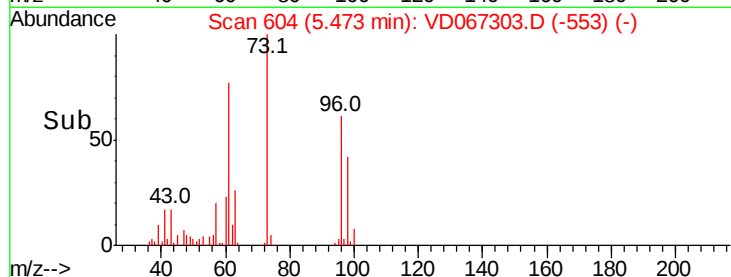
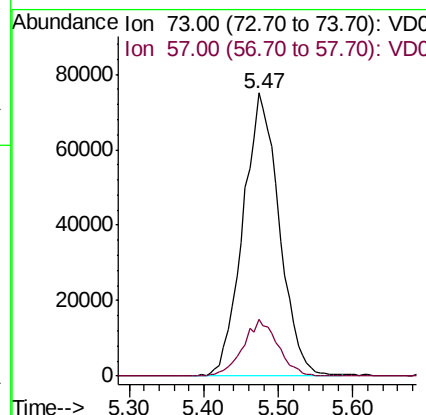
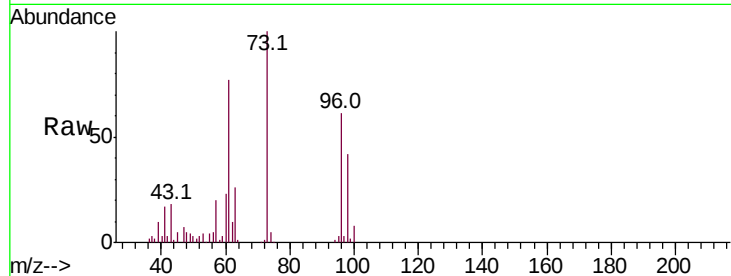




#19
Methvl tert-butvl Ether
Concen: 47.067 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

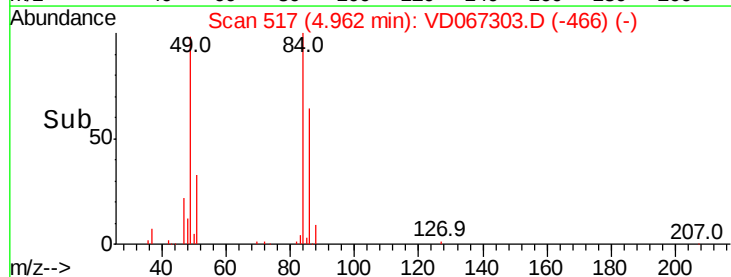
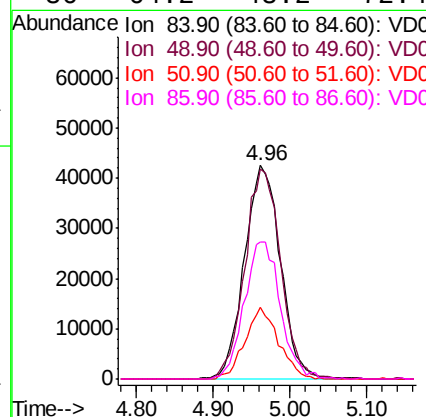
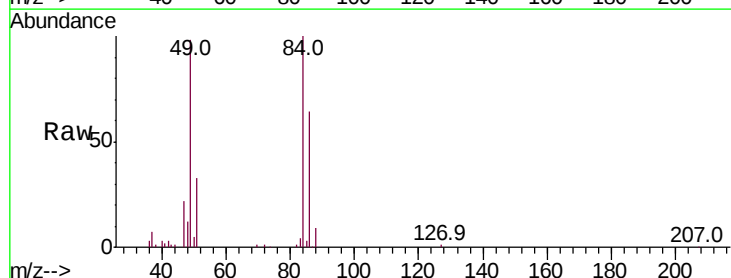
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

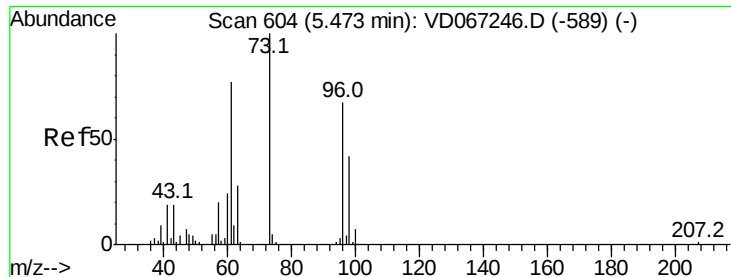
Tot Ion: 73 Resp: 253676
Ion Ratio Lower Upper
73 100
57 20.3 15.7 23.5



#20
Methylene Chloride
Concen: 46.992 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 84 Resp: 139506
Ion Ratio Lower Upper
84 100
49 98.3 72.2 108.2
51 33.3 23.8 35.8
86 64.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.252 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

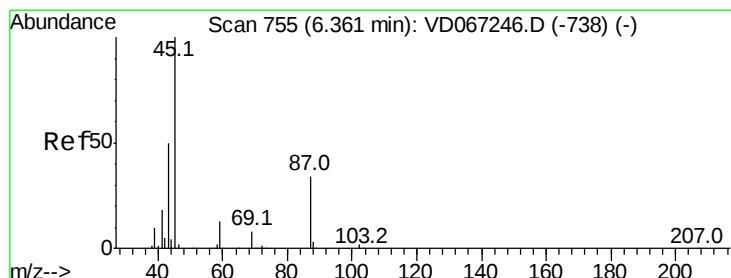
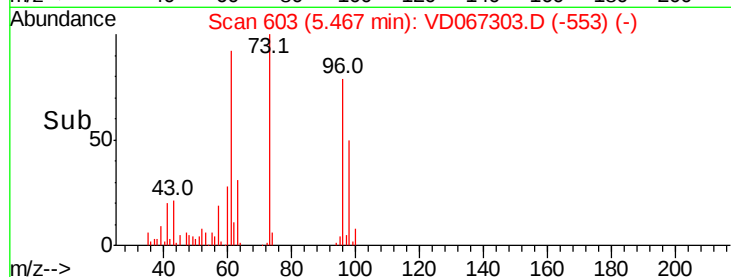
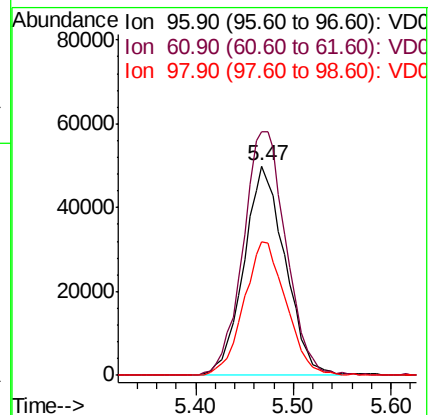
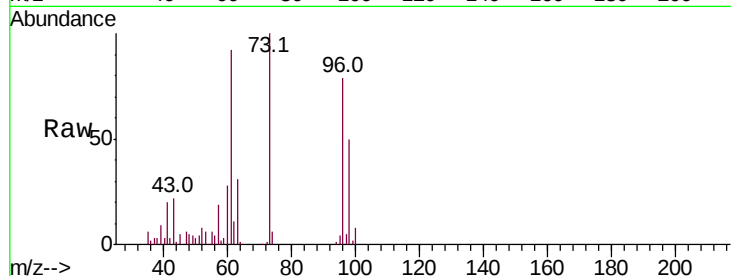
Tot Ion: 96 Resp: 147391

Ion Ratio Lower Upper

96 100

61 116.2 92.0 138.0

98 63.6 49.8 74.8



#22

Diisopropyl ether

Concen: 47.895 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Tgt Ion: 45 Resp: 271588

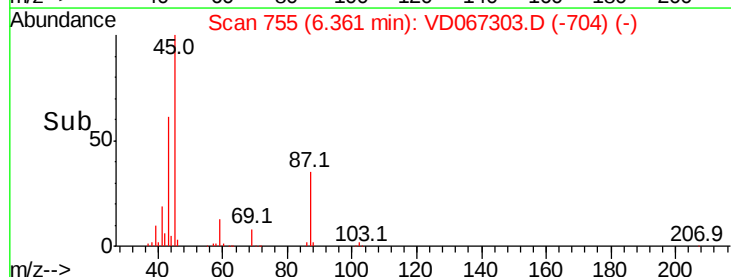
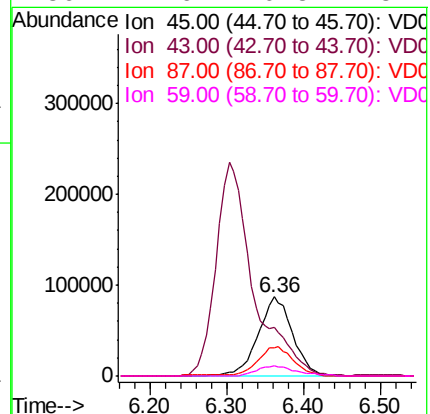
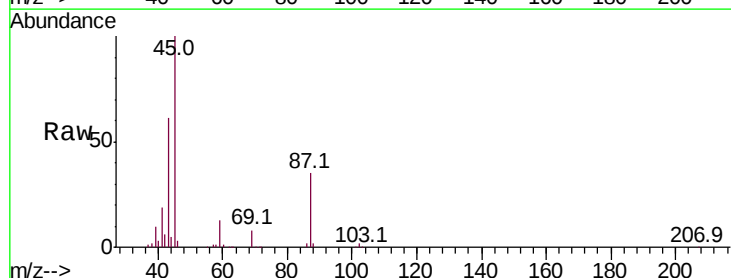
Ion Ratio Lower Upper

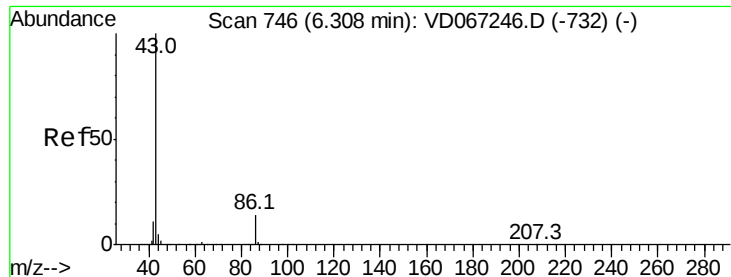
45 100

43 59.9 48.0 72.0

87 35.1 28.5 42.7

59 12.6 10.5 15.7





#23

Vinyl Acetate

Concen: 245.835 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

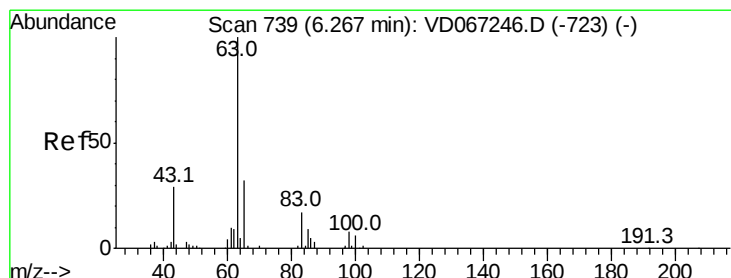
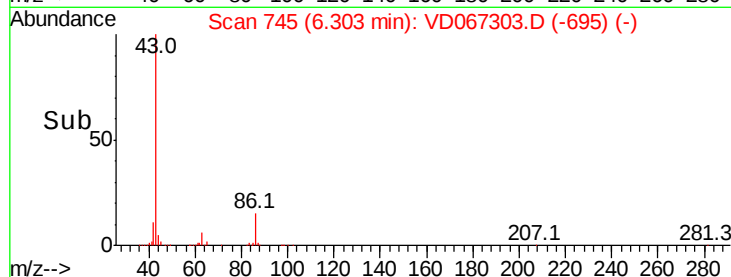
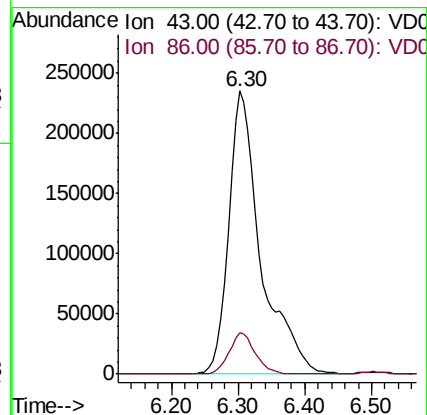
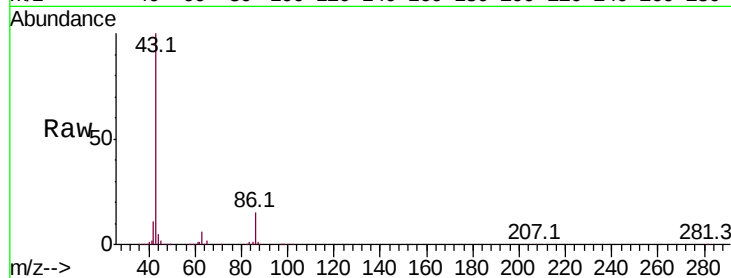
VSTDCCC050

Tot Ion: 43 Resp: 793077

Ion Ratio Lower Upper

43 100

86 14.5 11.0 16.6



#24

1,1-Dichloroethane

Concen: 46.846 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

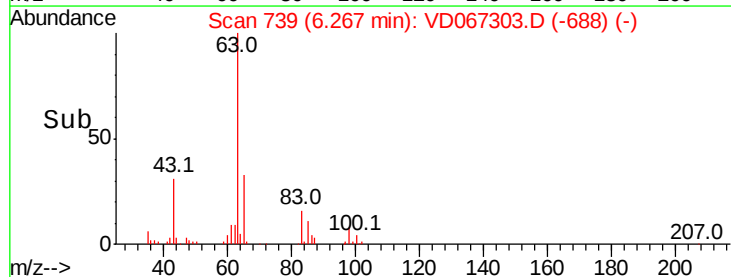
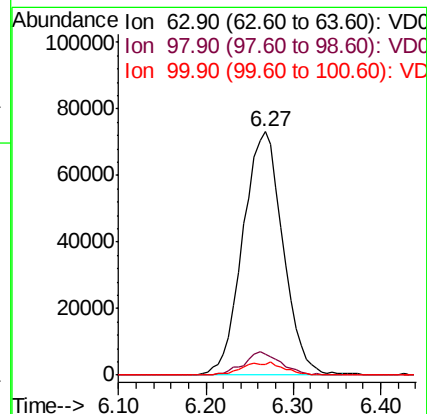
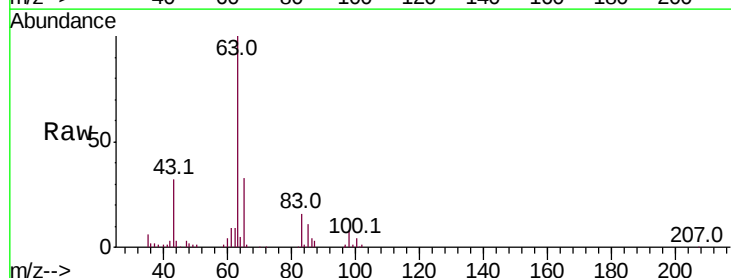
Tgt Ion: 63 Resp: 227391

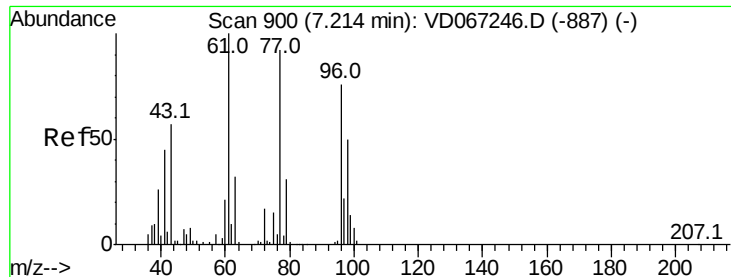
Ion Ratio Lower Upper

63 100

98 8.4 4.0 12.2

100 4.4 2.8 8.4





#25

2-Butanone

Concen: 230.495 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

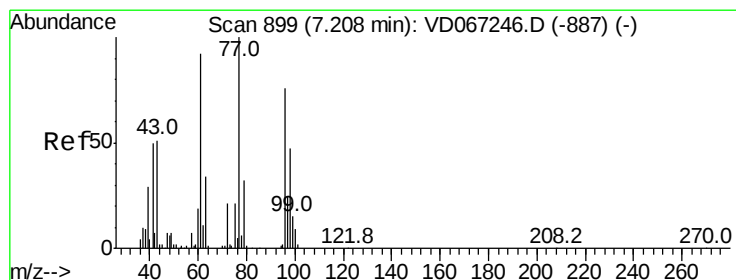
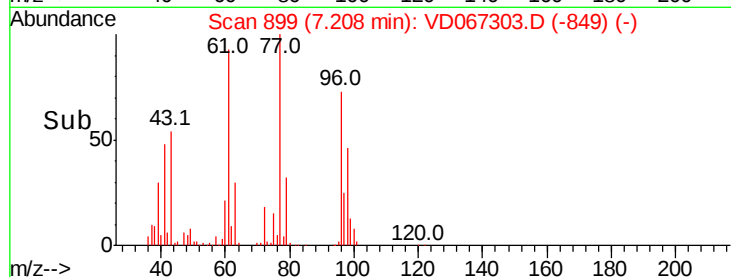
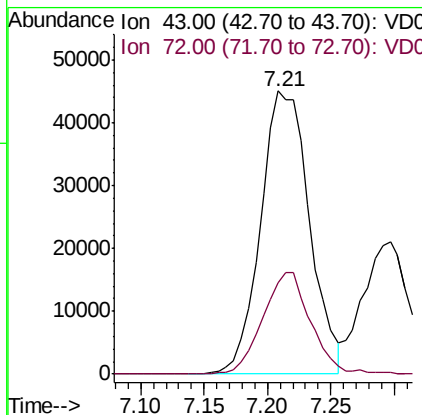
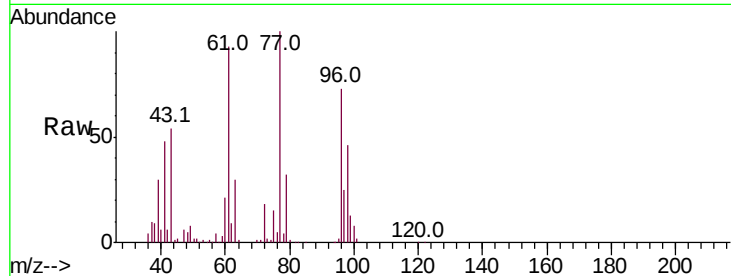
VSTDCCC050

Tot Ion: 43 Resp: 121075

Ion Ratio Lower Upper

43 100

72 32.4 23.7 35.5



#26

2,2-Dichloropropane

Concen: 50.505 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067303.D

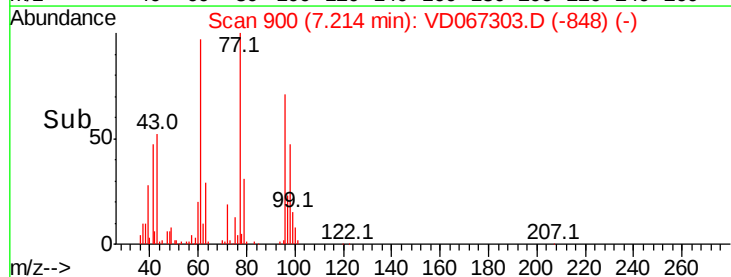
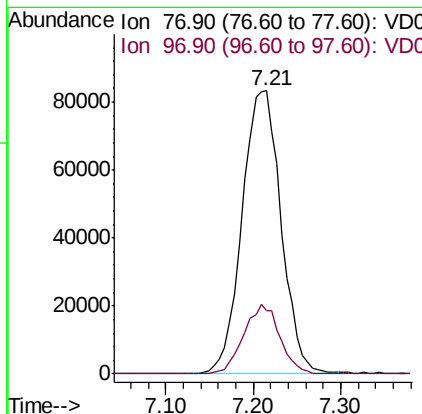
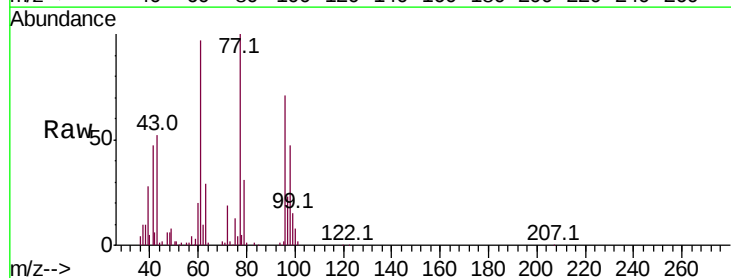
Acq: 19 Oct 2020 12:21

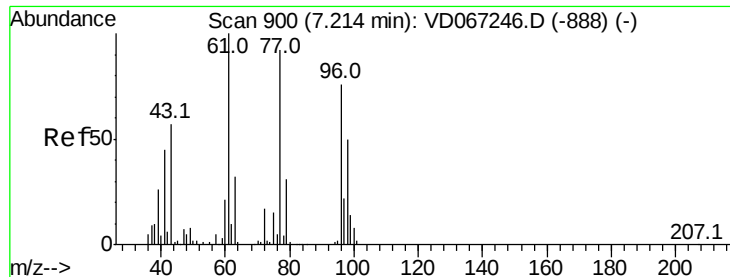
Tgt Ion: 77 Resp: 252682

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2



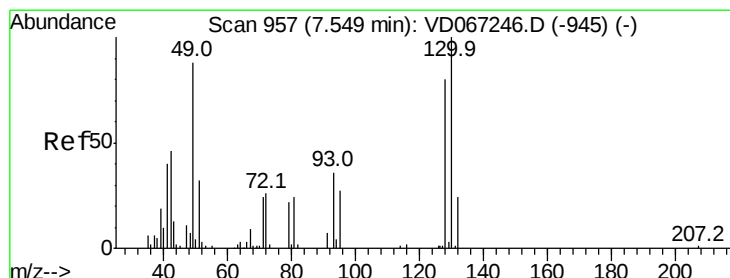
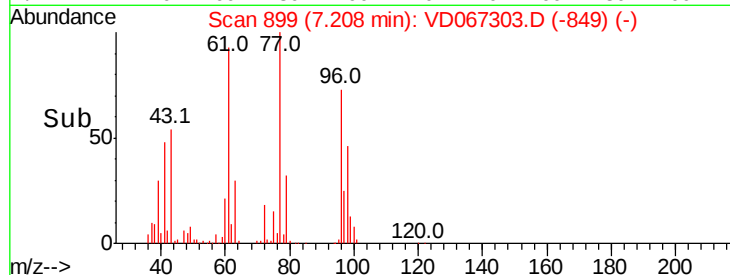
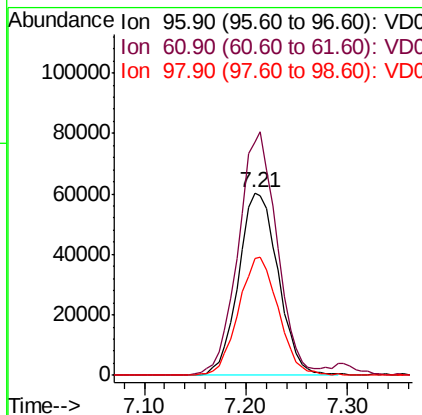
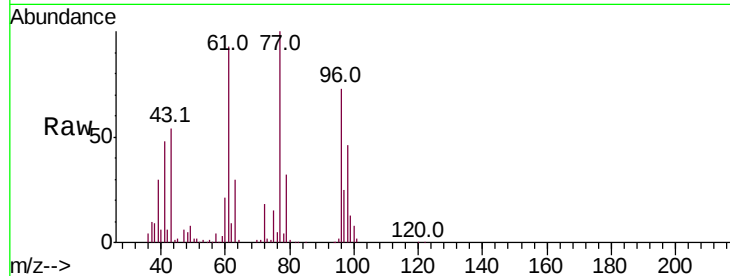


#27

cis-1,2-Dichloroethene
Concen: 47.874 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

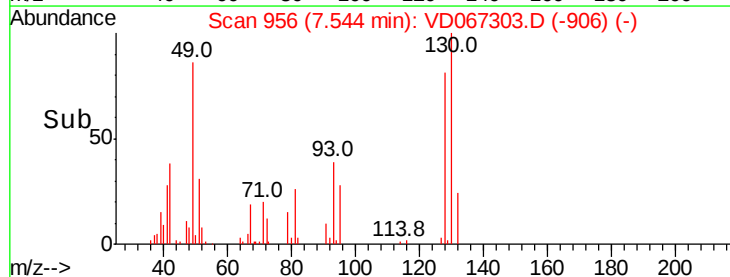
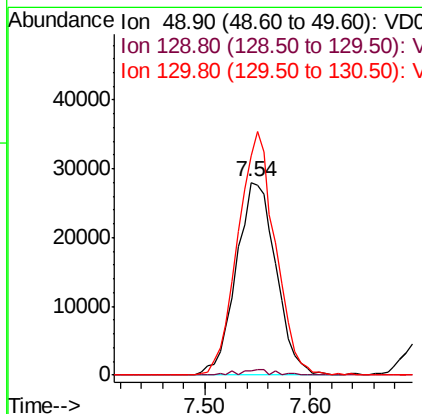
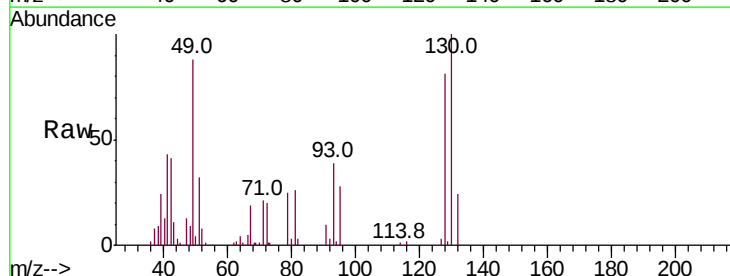
Tot Ion: 96 Resp: 163665
Ion Ratio Lower Upper
96 100
61 130.6 0.0 255.4
98 65.1 0.0 128.0

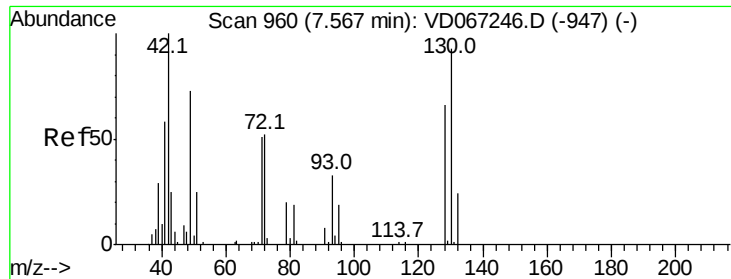


#28

Bromochloromethane
Concen: 44.215 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 49 Resp: 73204
Ion Ratio Lower Upper
49 100
129 2.4 0.0 1.6#
130 118.7 91.0 136.6

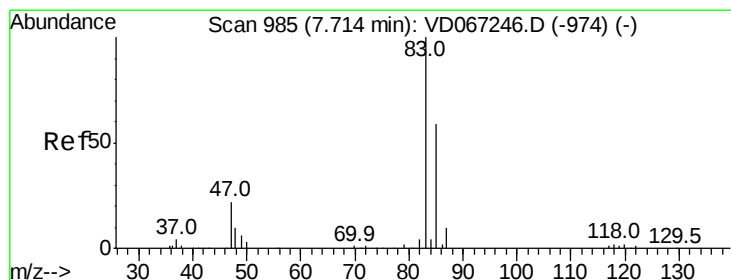
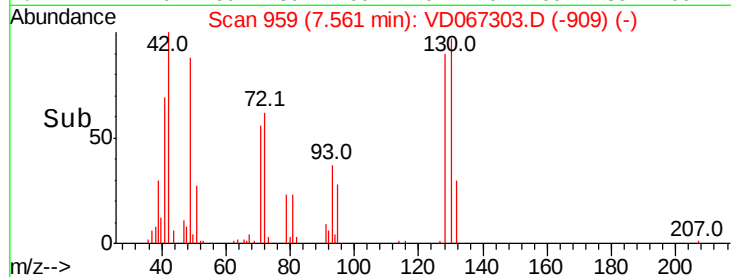
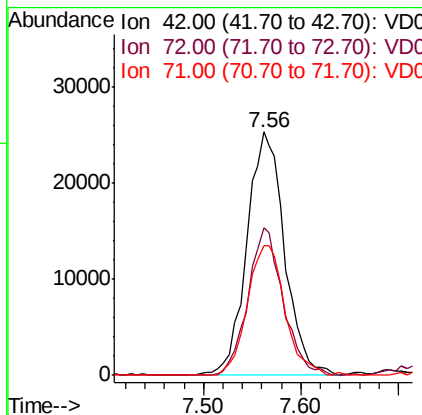
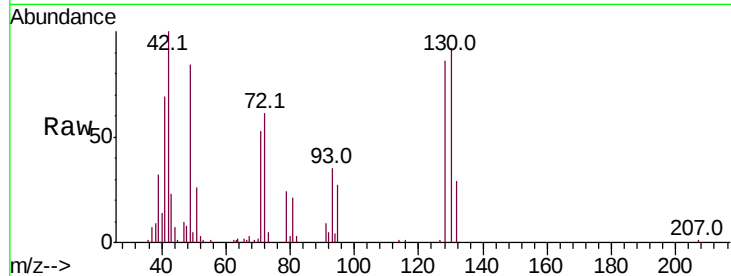




#29
Tetrahydrofuran
Concen: 233.923 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

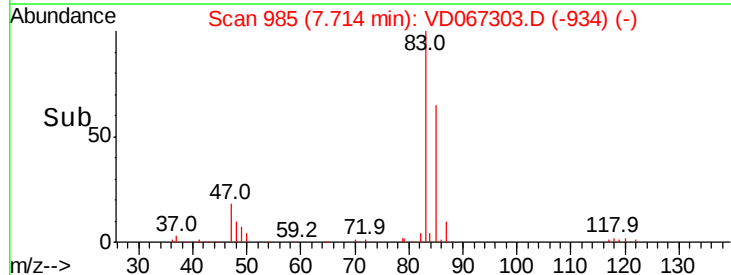
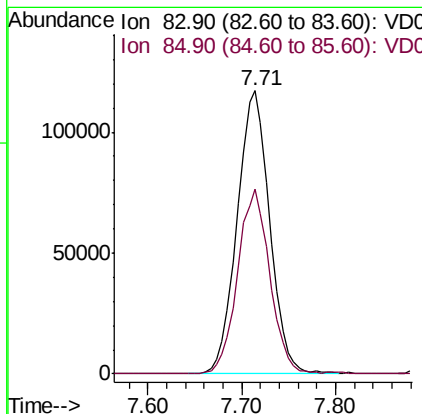
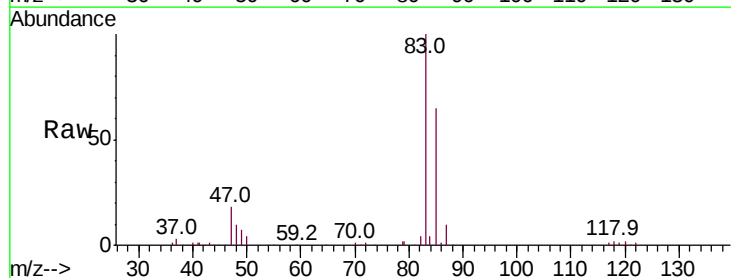
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

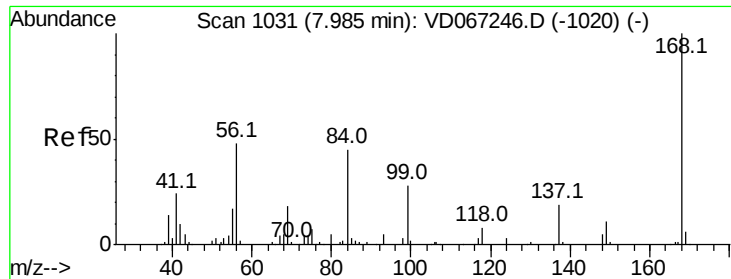
Tot Ion: 42 Resp: 68304
Ion Ratio Lower Upper
42 100
72 56.5 43.2 64.8
71 53.2 39.4 59.0



#30
Chloroform
Concen: 48.535 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 83 Resp: 281433
Ion Ratio Lower Upper
83 100
85 65.3 47.3 70.9

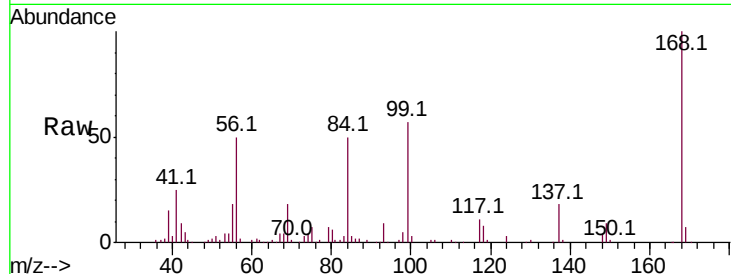




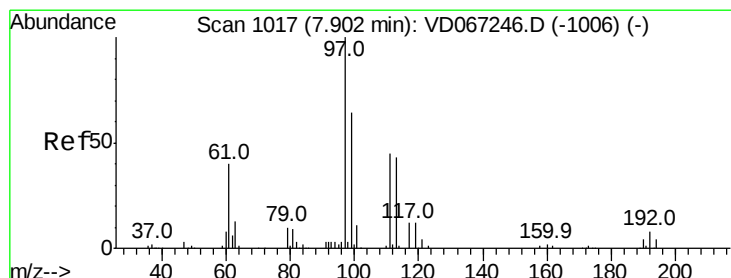
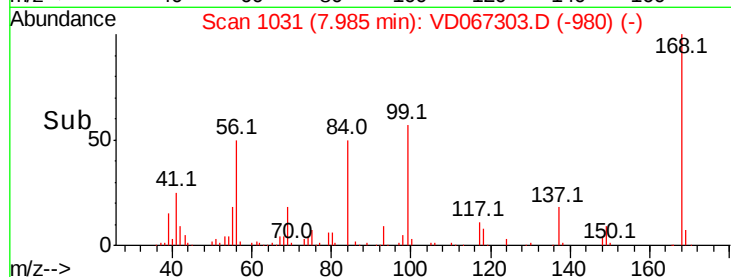
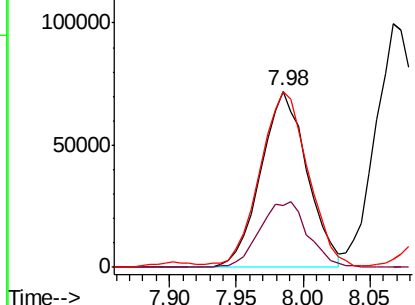
#31
Cyclohexane
Concen: 45.721 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 173271
Ion Ratio Lower Upper
56 100
69 35.0 29.8 44.6
84 97.5 76.6 114.8

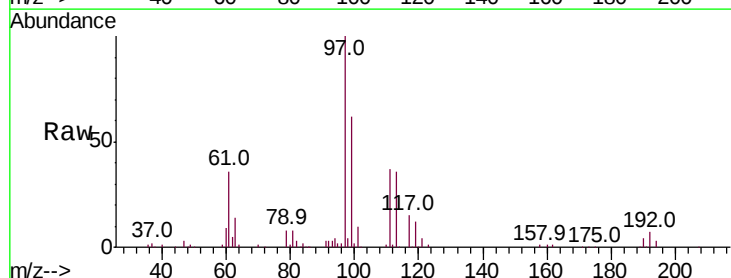


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

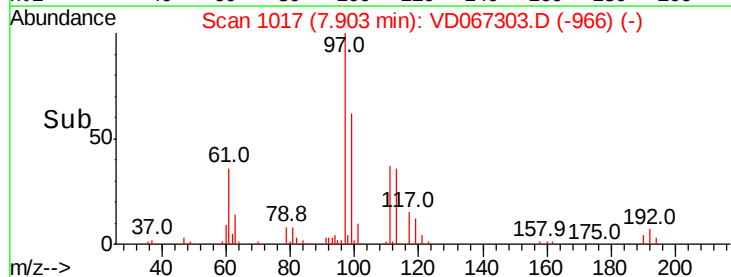
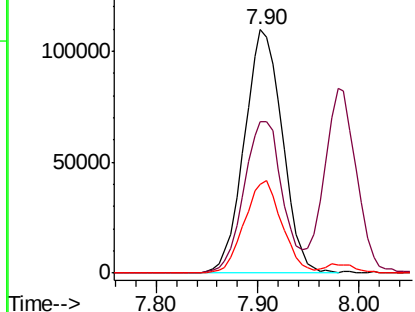


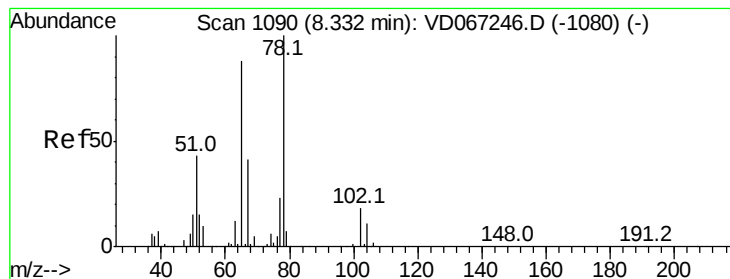
#32
1,1,1-Trichloroethane
Concen: 50.119 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 97 Resp: 285143
Ion Ratio Lower Upper
97 100
99 63.1 50.2 75.4
61 37.5 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: 44.314 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

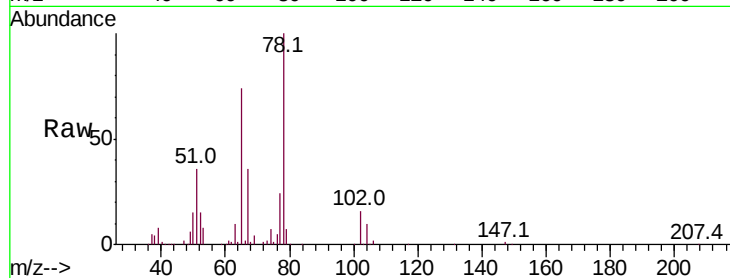
VSTDCCC050

Tot Ion: 65 Resp: 145810

Ion Ratio Lower Upper

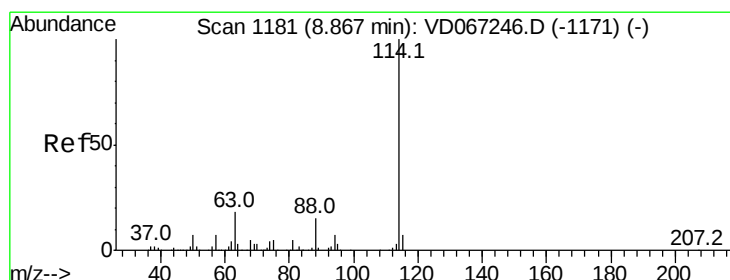
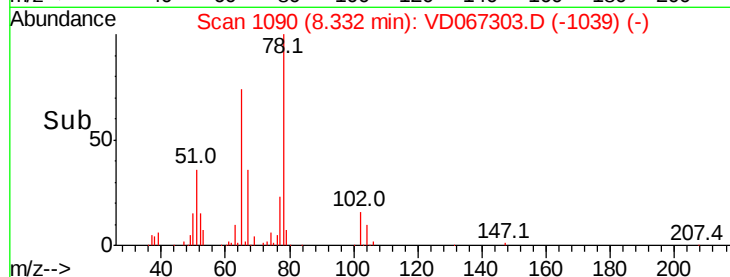
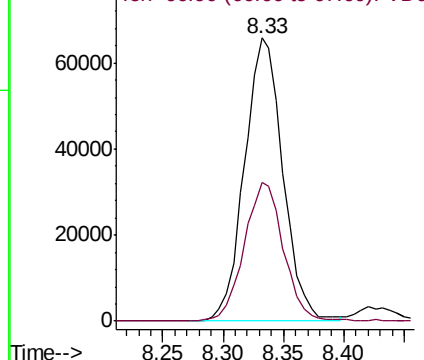
65 100

67 49.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

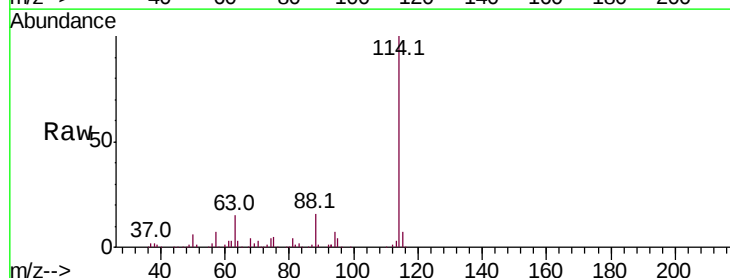
Tgt Ion: 114 Resp: 468017

Ion Ratio Lower Upper

114 100

63 15.5 0.0 35.0

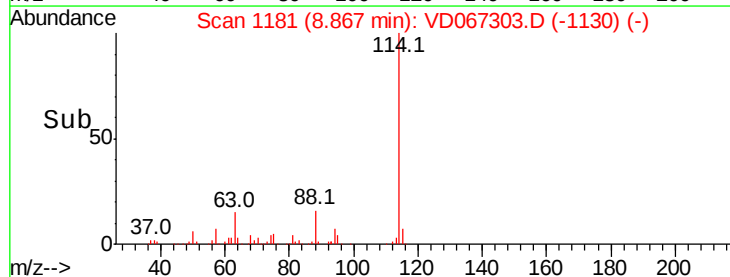
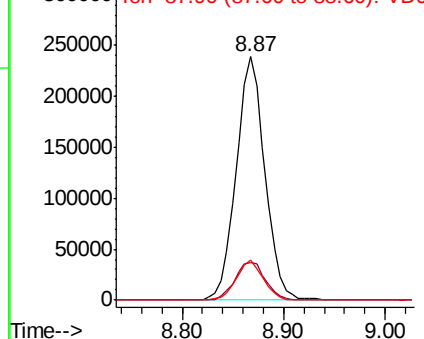
88 16.2 0.0 30.6

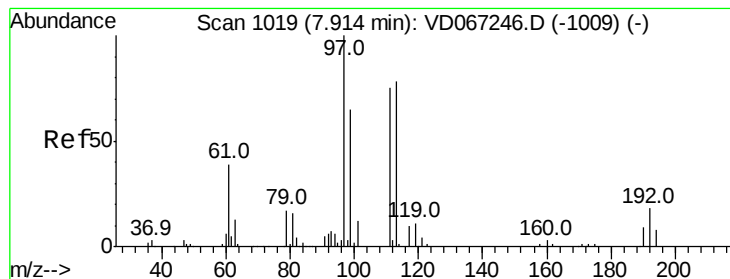


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.488 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

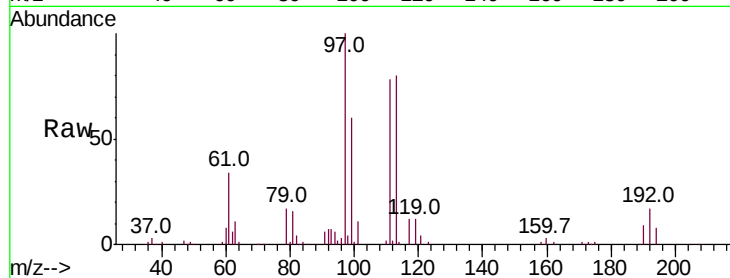
Tot Ion:113 Resp: 151023

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

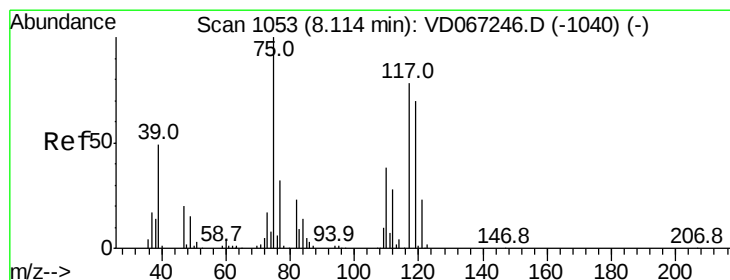
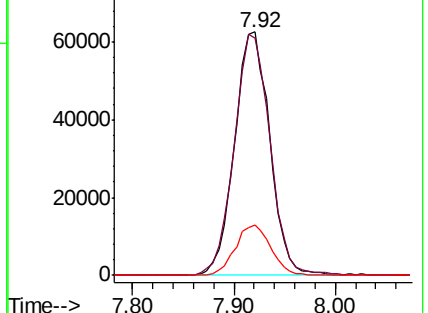
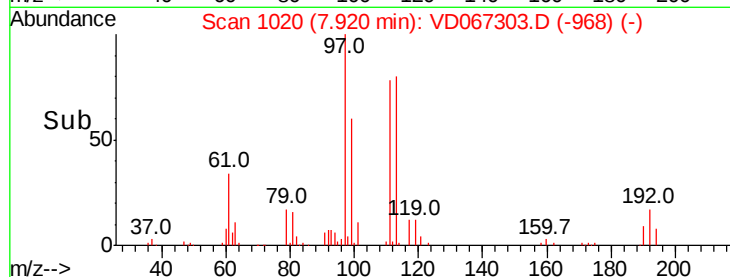
192 20.8 17.0 25.4



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: 51.198 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

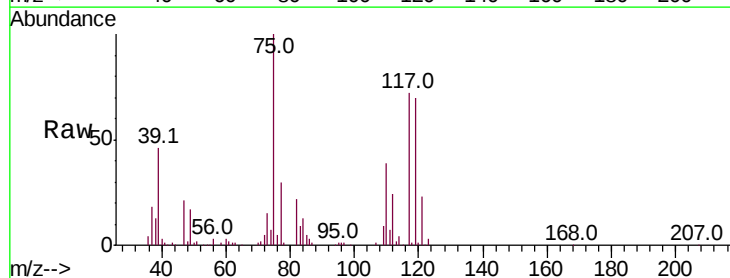
Tgt Ion: 75 Resp: 203089

Ion Ratio Lower Upper

75 100

110 39.2 19.6 58.7

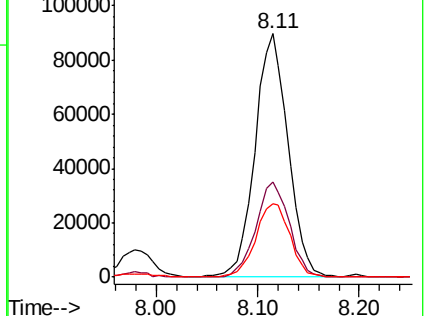
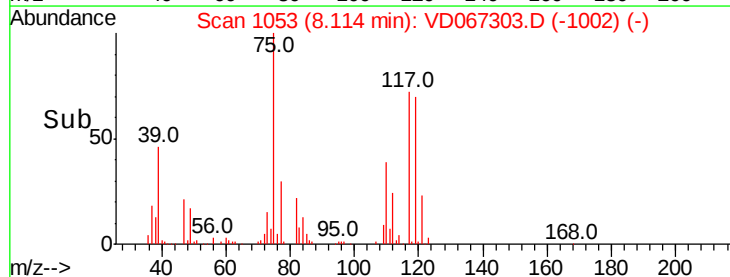
77 31.2 24.6 37.0

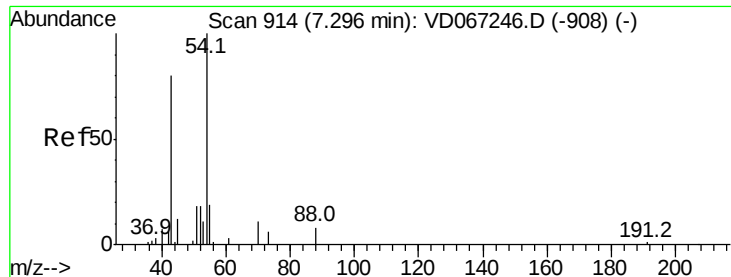


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 47.915 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

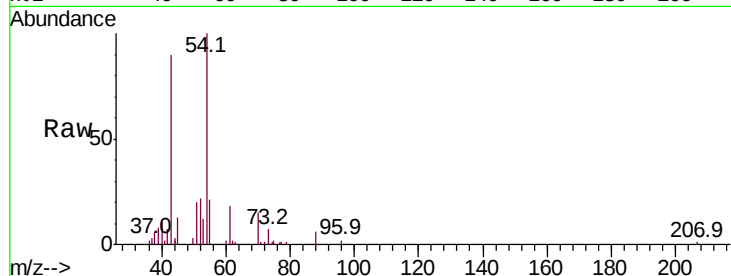
Tot Ion: 43 Resp: 55921

Ion Ratio Lower Upper

43 100

61 13.6 15.6 23.4#

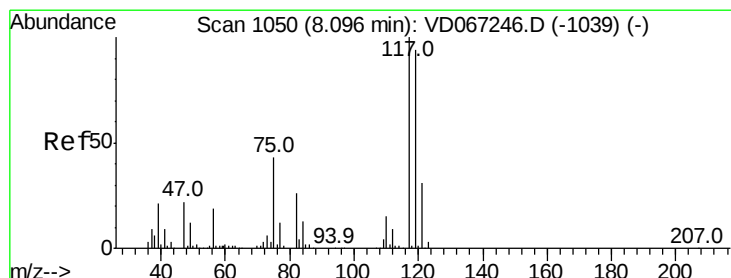
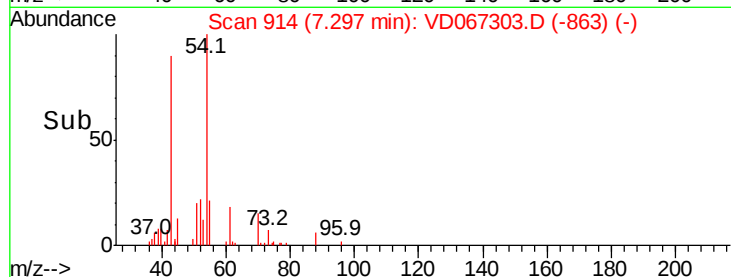
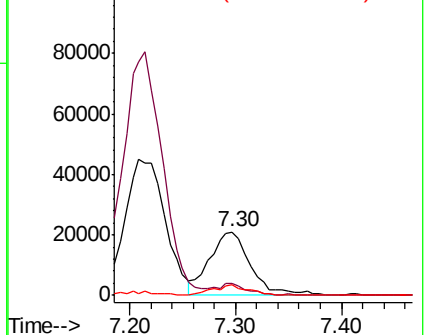
70 14.5 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 53.433 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

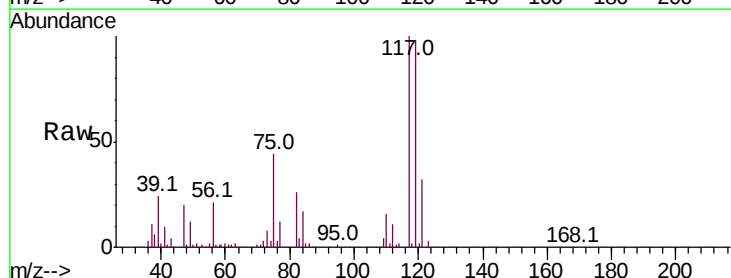
Tgt Ion: 117 Resp: 270897

Ion Ratio Lower Upper

117 100

119 98.3 75.0 112.4

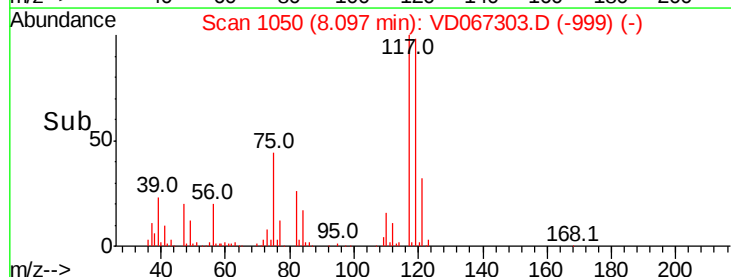
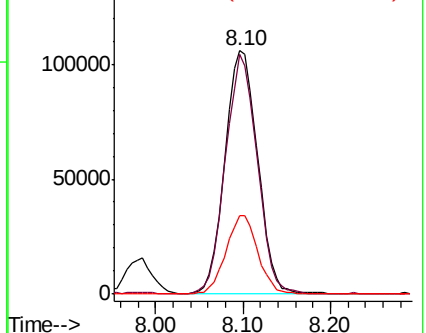
121 32.0 24.9 37.3

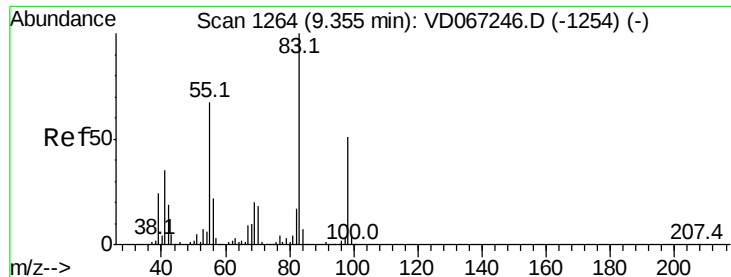


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

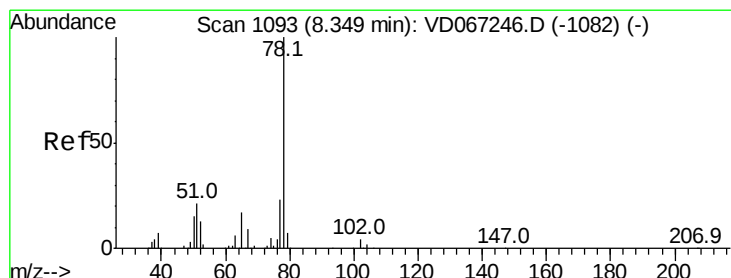
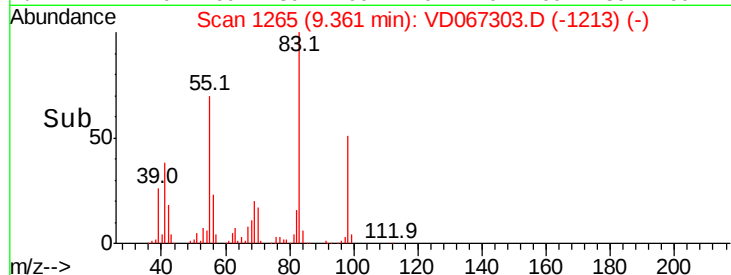
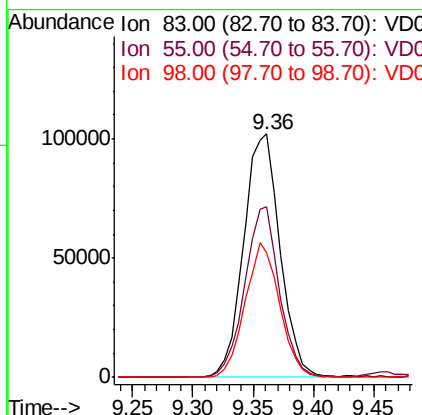
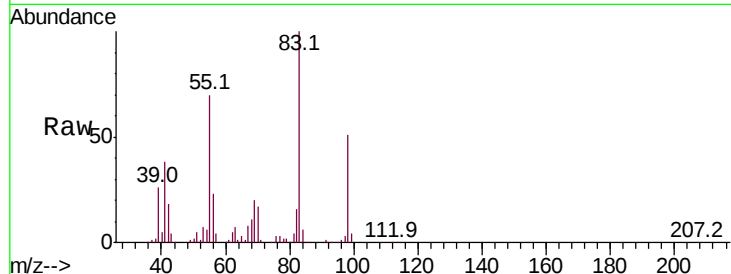




#39
Methvlcvclohexane
Concen: 51.648 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

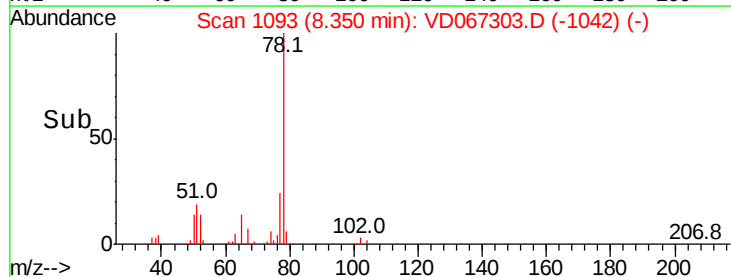
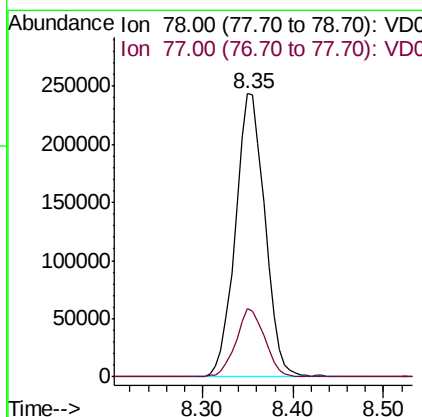
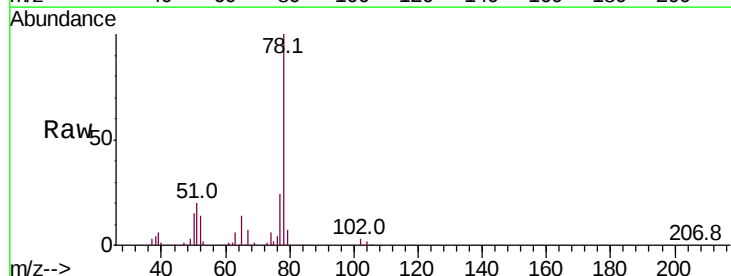
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

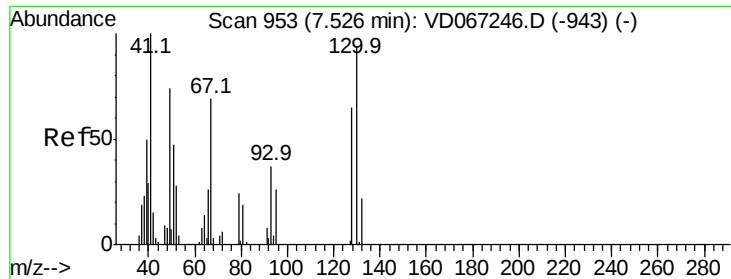
Tot Ion: 83 Resp: 214180
Ion Ratio Lower Upper
83 100
55 70.1 53.3 79.9
98 50.9 41.0 61.4



#40
Benzene
Concen: 50.715 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 78 Resp: 551902
Ion Ratio Lower Upper
78 100
77 24.3 18.3 27.5

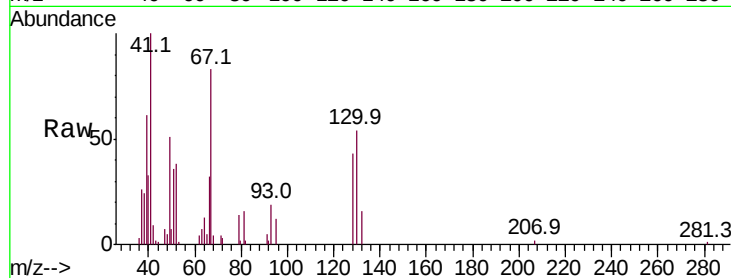




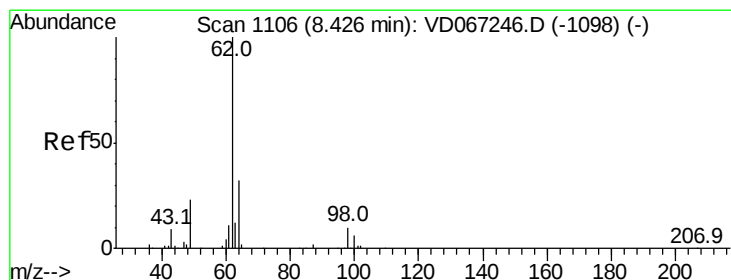
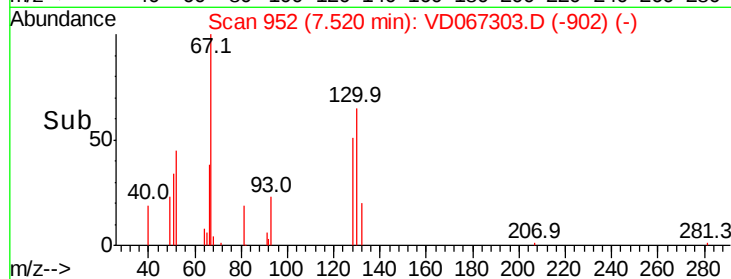
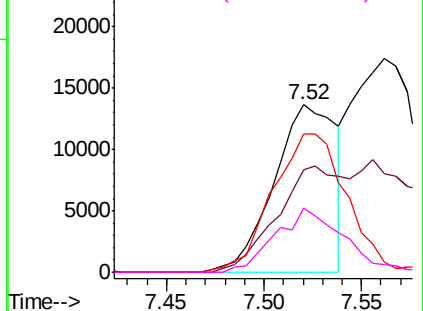
#41
Methacrylonitrile
Concen: 48.047 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	30302
Ion	Ratio	Lower	Upper
41	100		
39	70.7	60.0	90.0
67	98.2	88.9	133.3
52	41.5	36.9	55.3

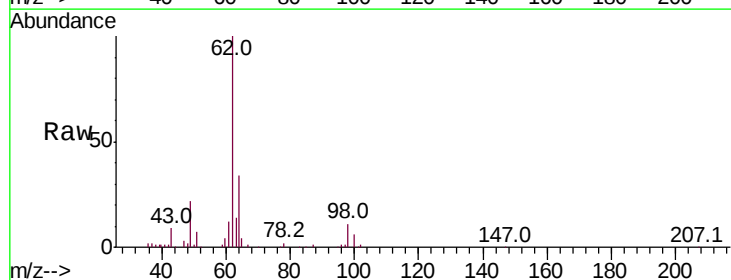


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

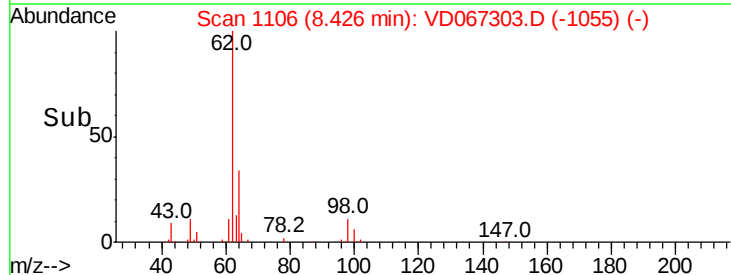
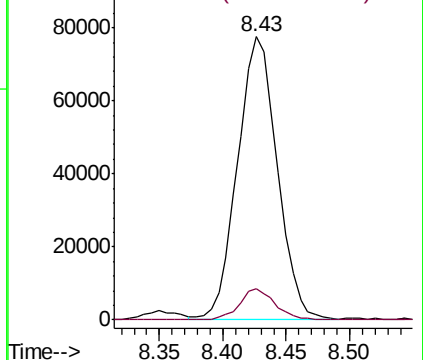


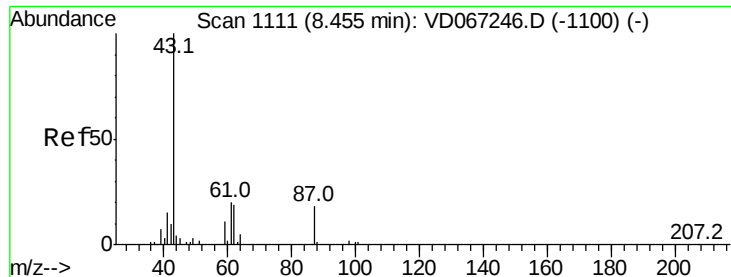
#42
1,2-Dichloroethane
Concen: 49.389 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion:	62	Resp:	168199
Ion	Ratio	Lower	Upper
62	100		
98	9.9	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: 48.536 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

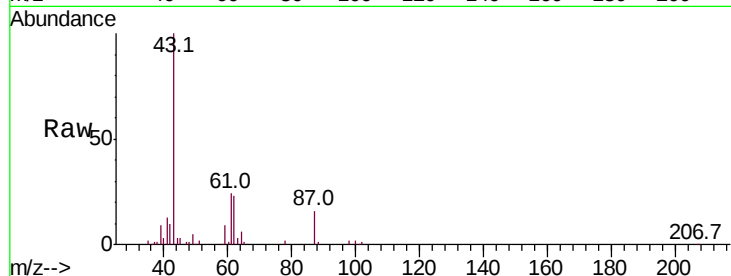
Tot Ion: 43 Resp: 112401

Ion Ratio Lower Upper

43 100

61 36.5 29.5 44.3

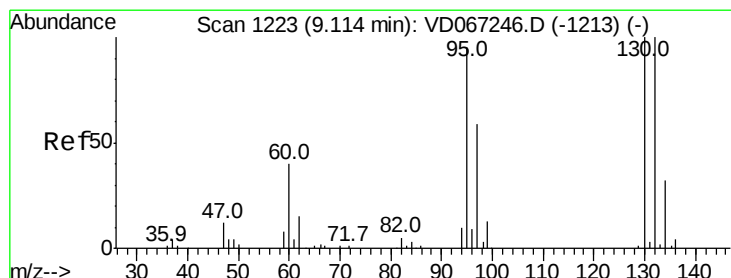
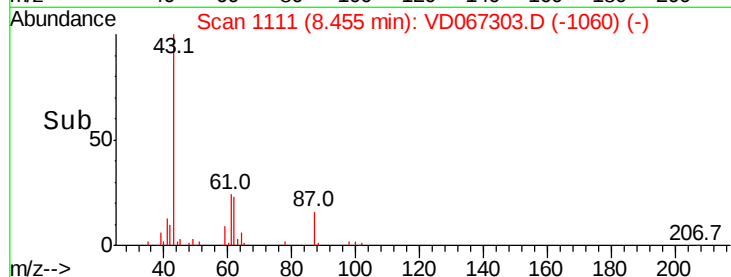
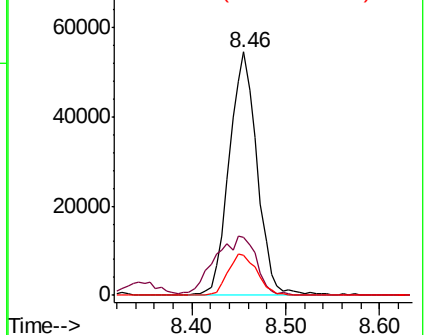
87 17.6 14.2 21.4



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: 50.865 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067303.D

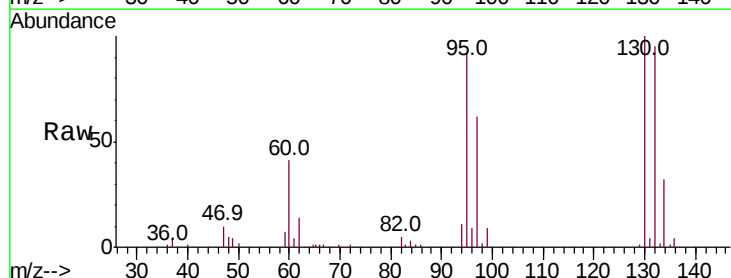
Acq: 19 Oct 2020 12:21

Tgt Ion: 130 Resp: 177227

Ion Ratio Lower Upper

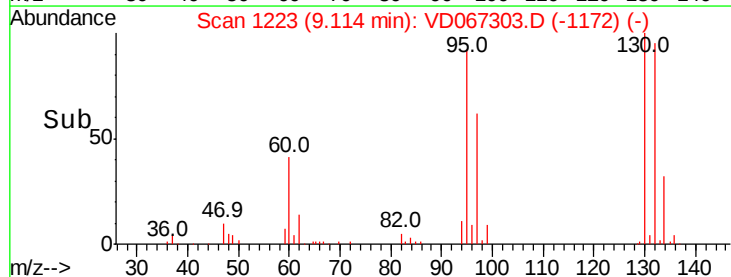
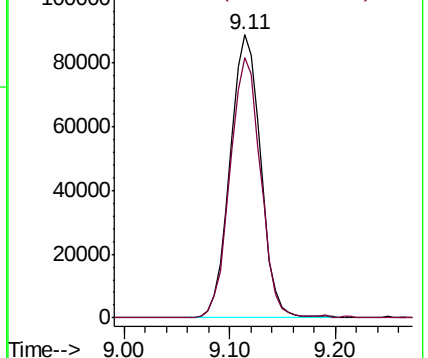
130 100

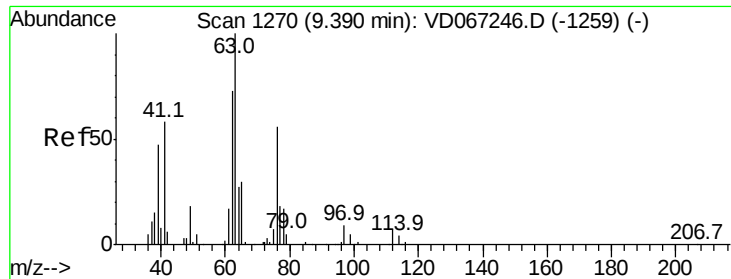
95 92.0 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.986 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

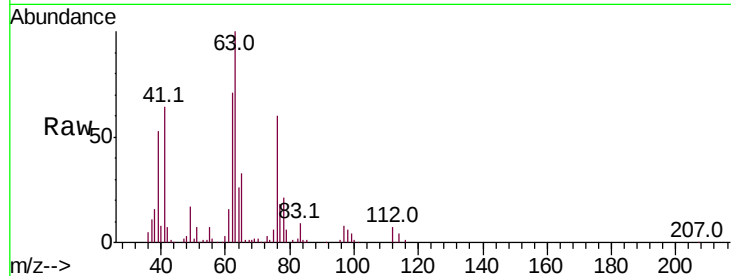
VSTDCCC050

Tot Ion: 63 Resp: 121025

Ion Ratio Lower Upper

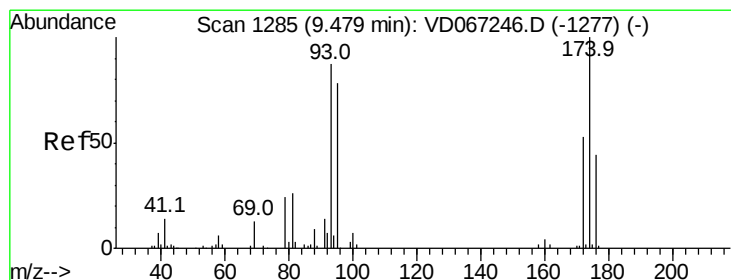
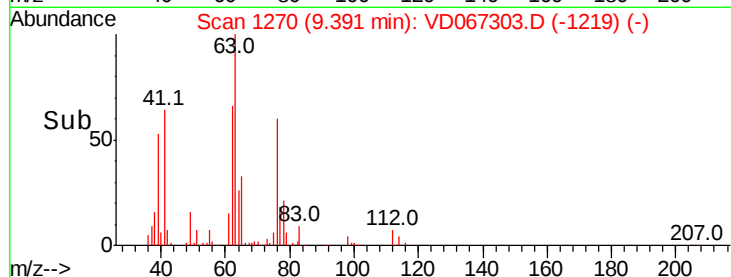
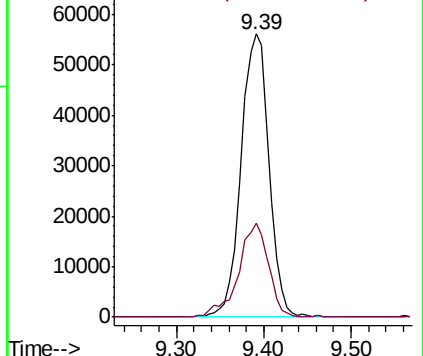
63 100

65 33.1 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: 49.284 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

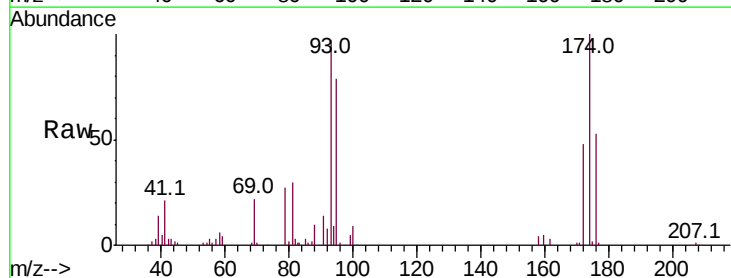
Tgt Ion: 93 Resp: 77444

Ion Ratio Lower Upper

93 100

95 80.5 68.0 102.0

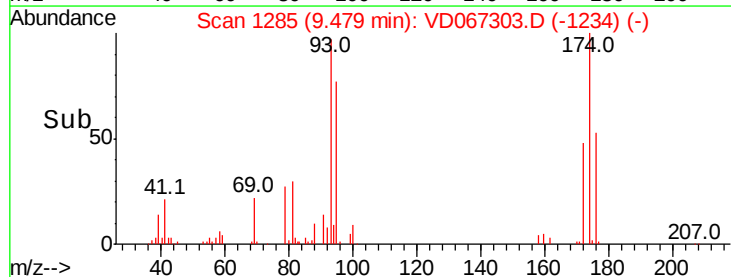
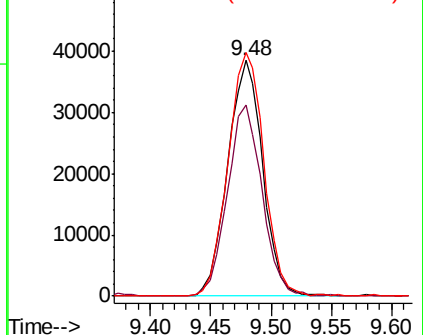
174 106.3 91.8 137.6

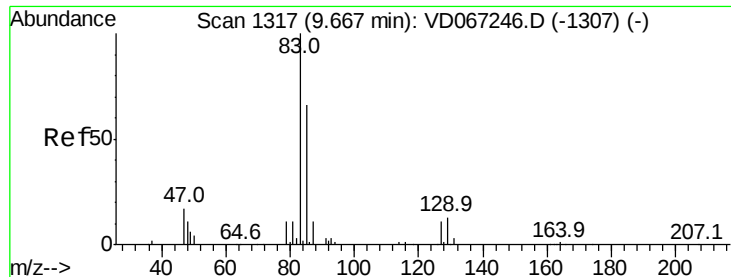


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.670 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

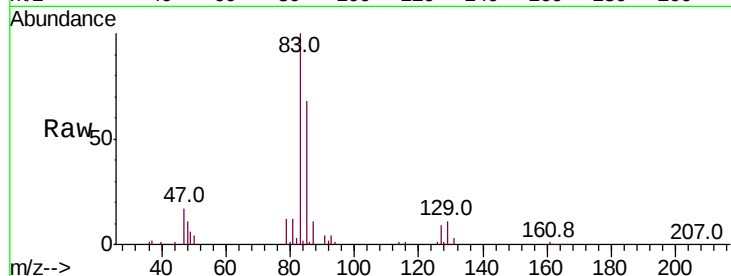
Tot Ion: 83 Resp: 209115

Ion Ratio Lower Upper

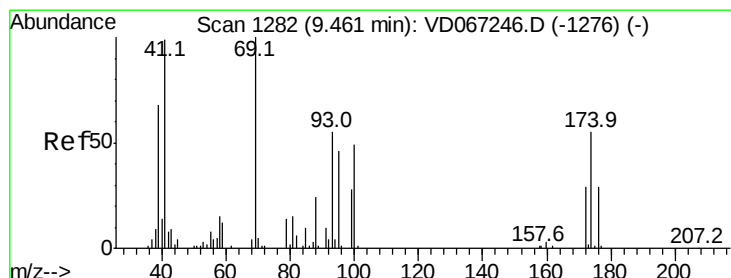
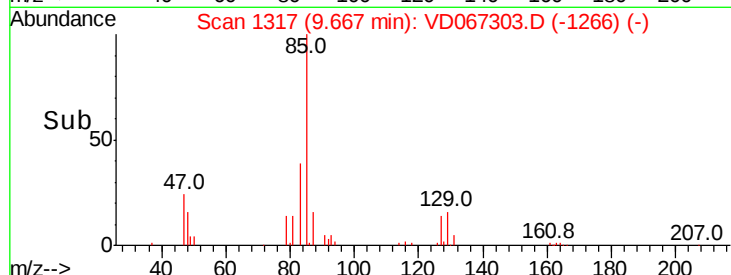
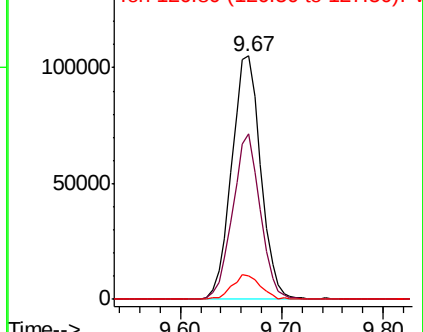
83 100

85 68.0 53.1 79.7

127 9.4 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: 47.776 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

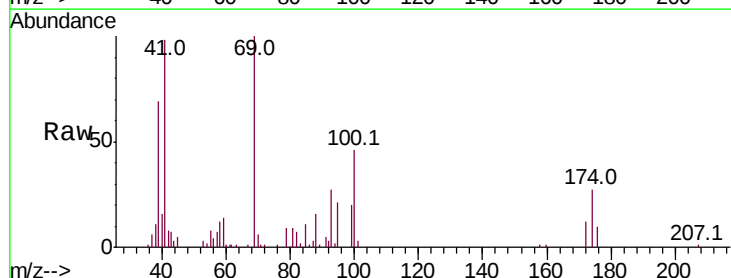
Tgt Ion: 41 Resp: 53767

Ion Ratio Lower Upper

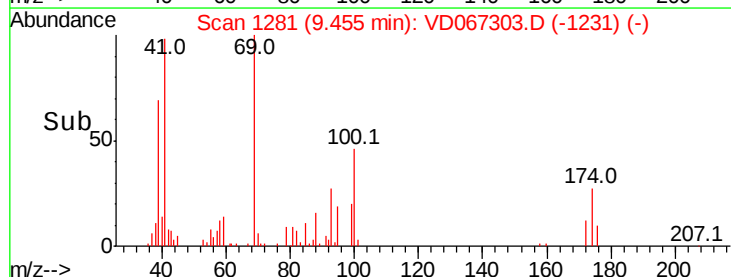
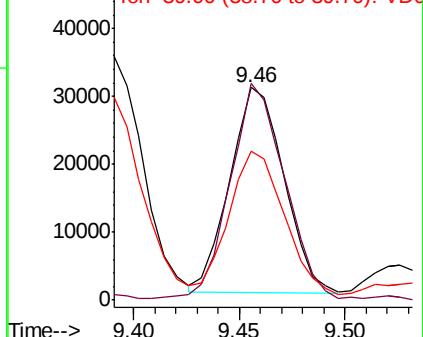
41 100

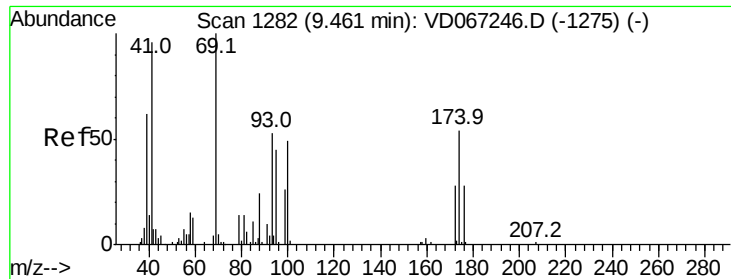
69 105.9 89.0 133.6

39 77.9 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

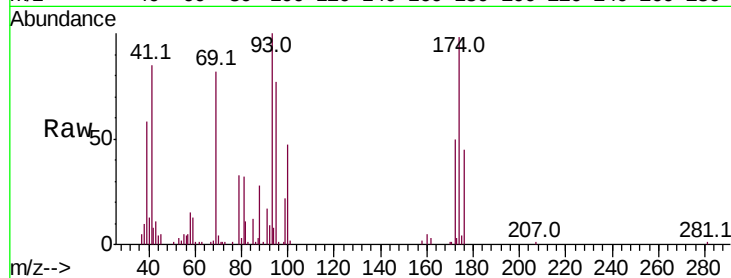




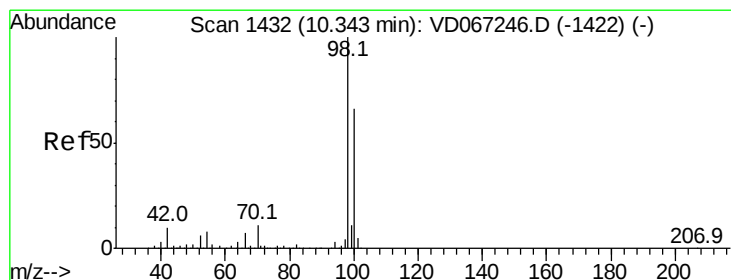
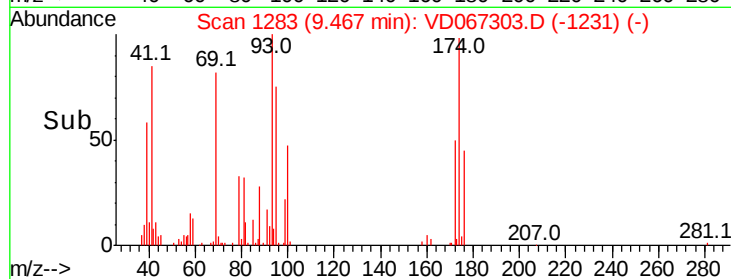
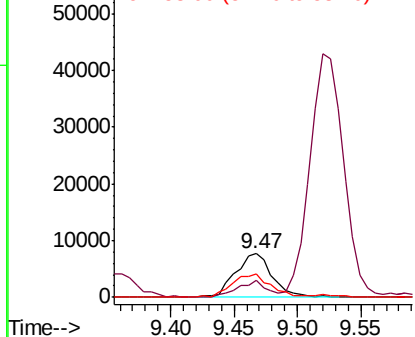
#49
1,4-Dioxane
Concen: 1030.741 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 15660
Ion Ratio Lower Upper
88 100
43 30.2 23.9 35.9
58 56.8 51.0 76.6

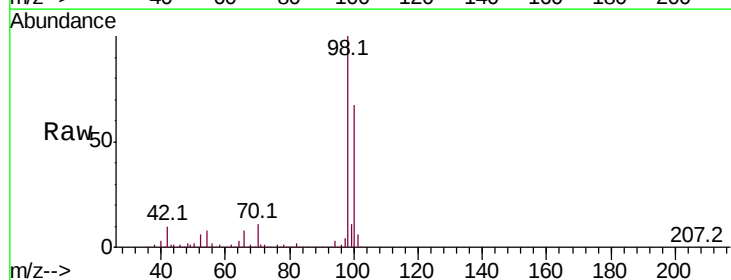


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

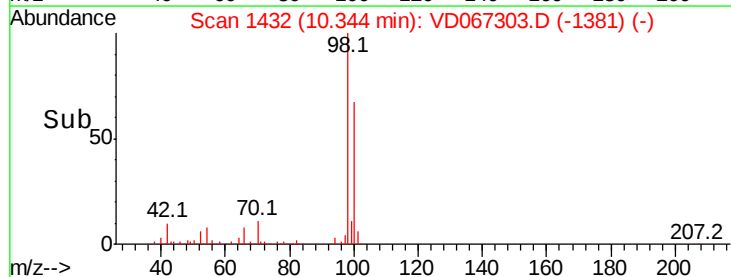
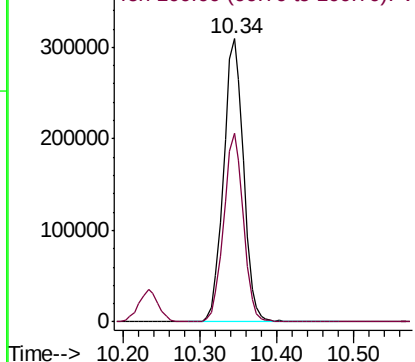


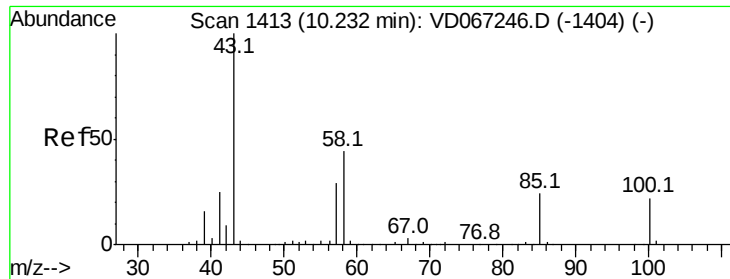
#50
Toluene-d8
Concen: 49.534 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 98 Resp: 558334
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: 241.380 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

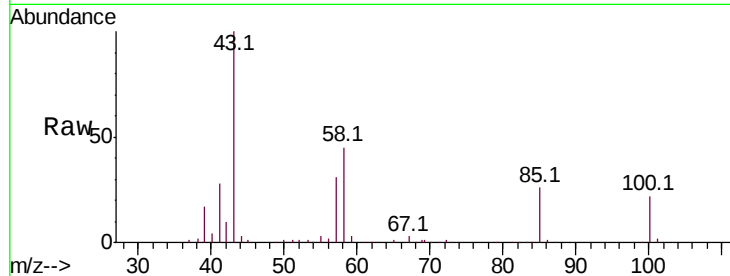
VSTDCCC050

Tot Ion: 43 Resp: 278807

Ion Ratio Lower Upper

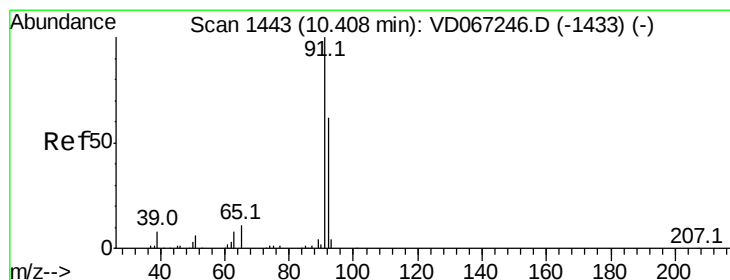
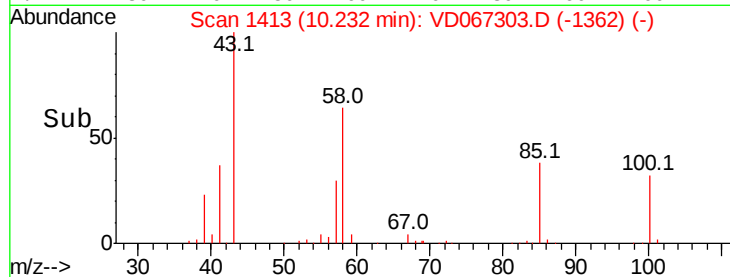
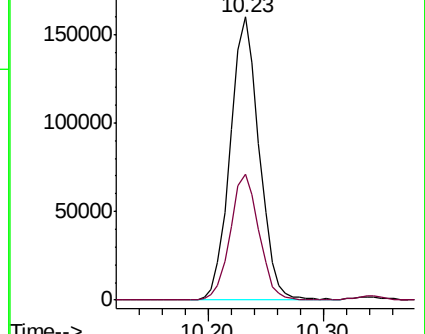
43 100

58 43.9 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.673 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067303.D

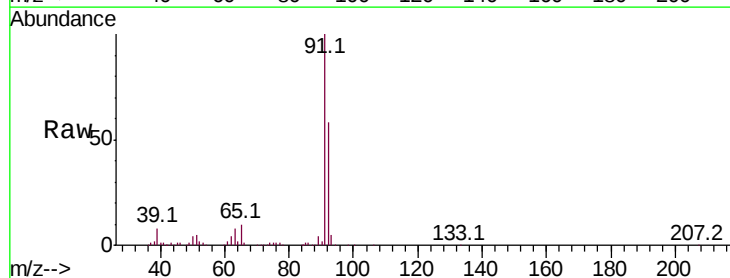
Acq: 19 Oct 2020 12:21

Tgt Ion: 92 Resp: 382998

Ion Ratio Lower Upper

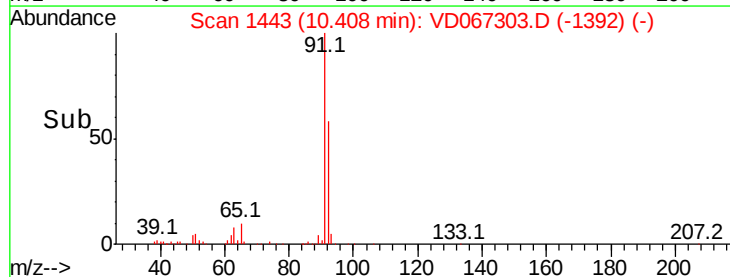
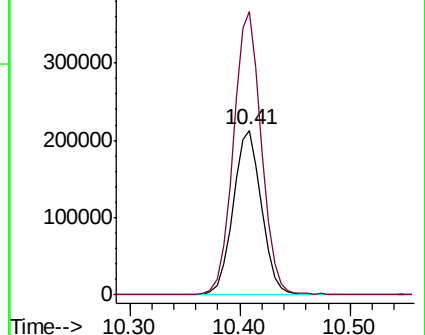
92 100

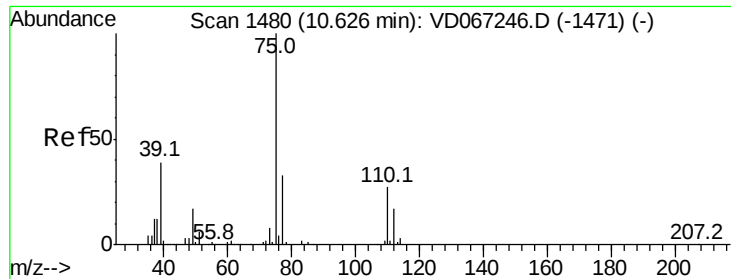
91 169.4 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

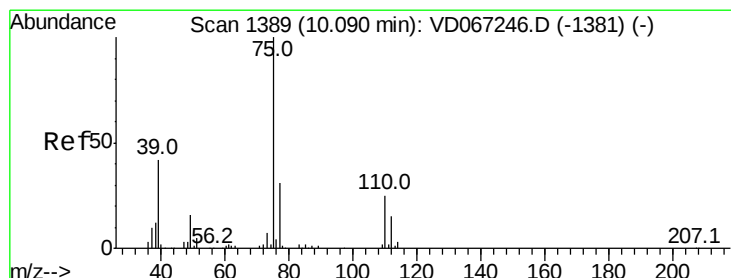
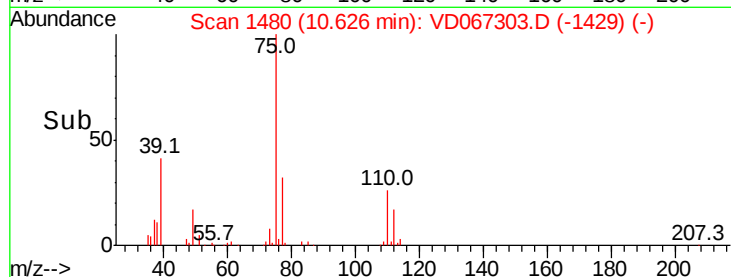
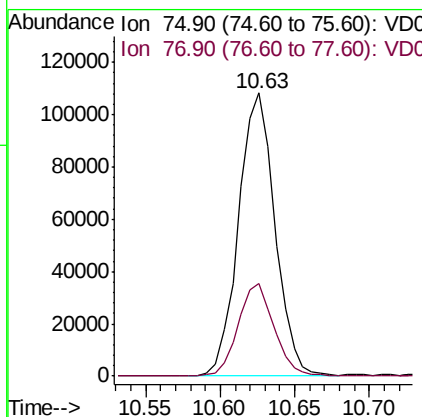
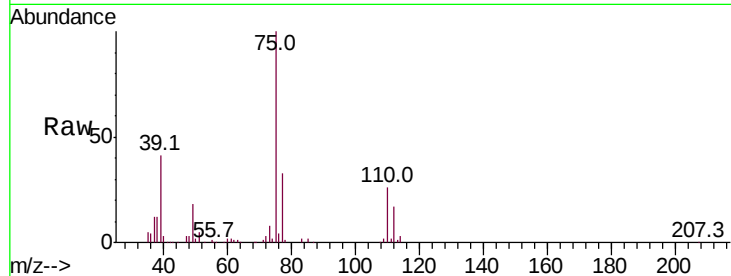




#53
t-1,3-Dichloropropene
Concen: 49.551 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

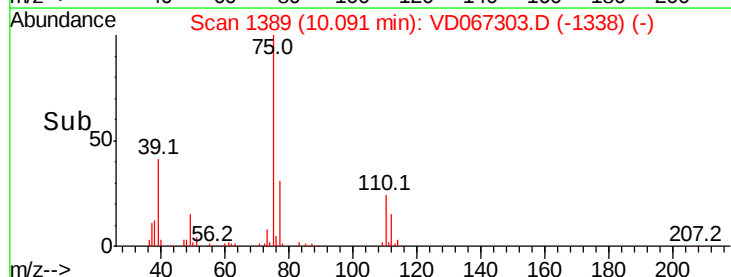
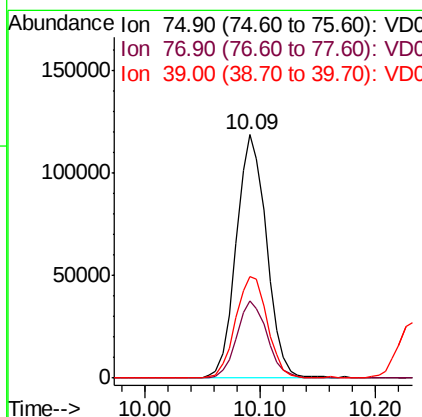
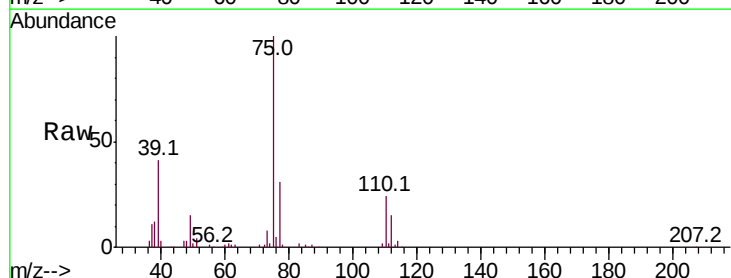
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

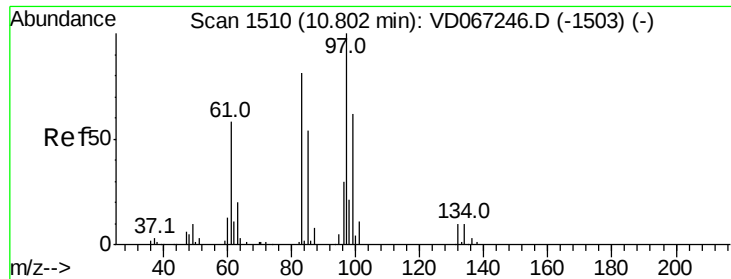
Tot Ion: 75 Resp: 183258
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 49.913 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 75 Resp: 216034
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 41.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 47.841 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 102514

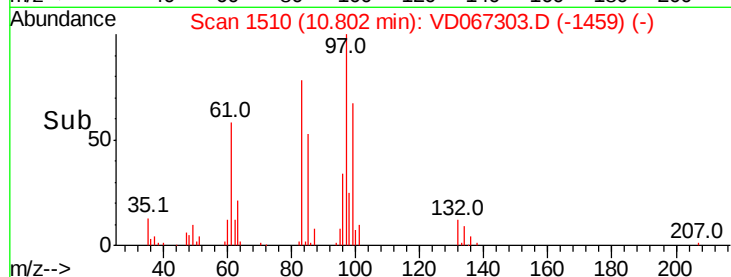
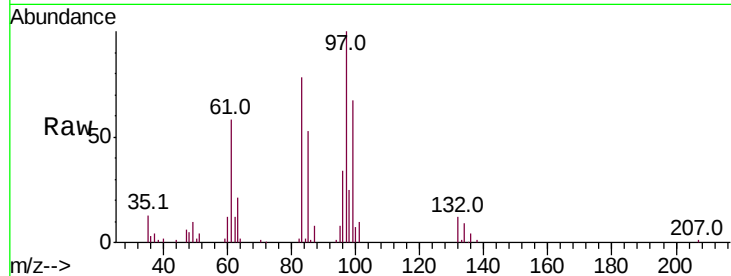
Ion	Ratio	Lower	Upper
97	100		
83	78.3	64.9	97.3
85	52.7	43.3	64.9
99	66.2	49.1	73.7

97 100

83 78.3 64.9 97.3

85 52.7 43.3 64.9

99 66.2 49.1 73.7

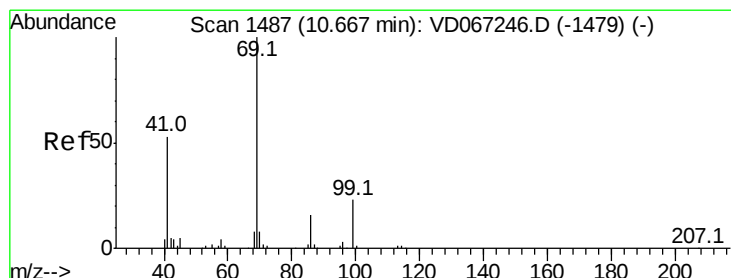
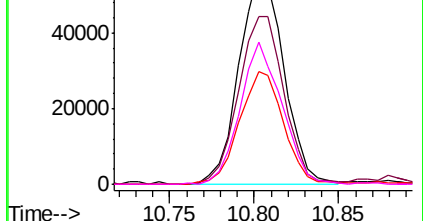


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



#56

Ethyl methacrylate

Concen: 49.927 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

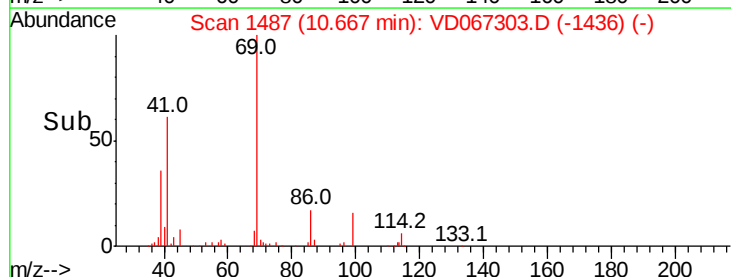
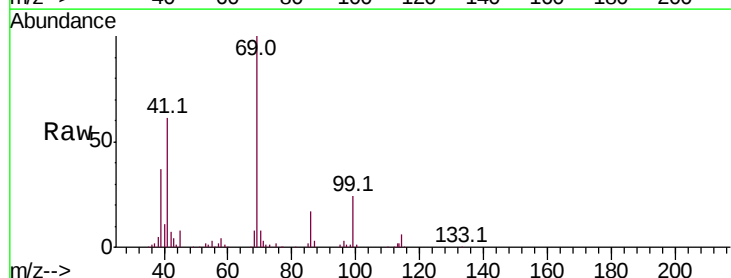
Tgt Ion: 69 Resp: 110954

Ion	Ratio	Lower	Upper
69	100		
41	57.7	44.7	67.1
39	33.3	26.2	39.2

69 100

41 57.7 44.7 67.1

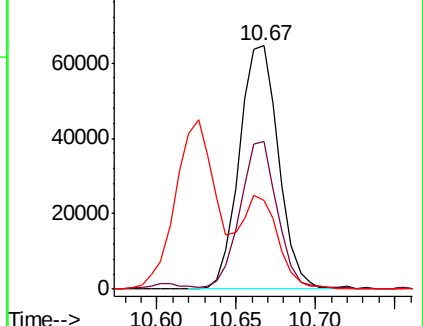
39 33.3 26.2 39.2

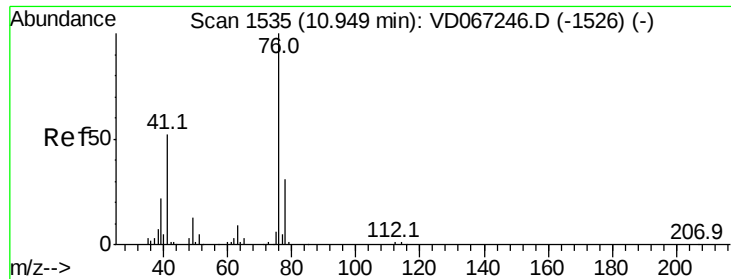


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.723 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

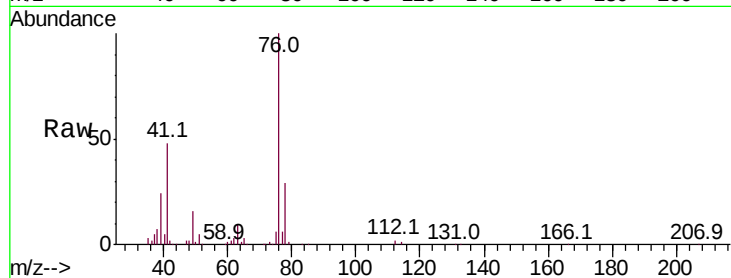
VSTDCCC050

Tot Ion: 76 Resp: 166150

Ion Ratio Lower Upper

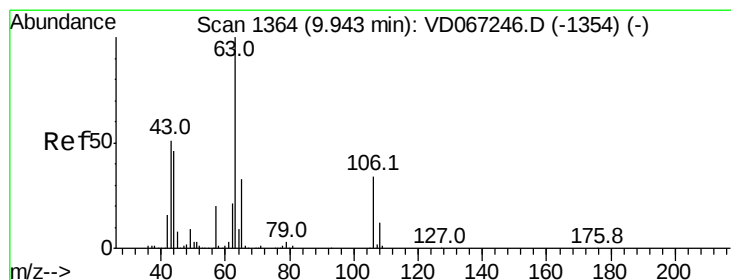
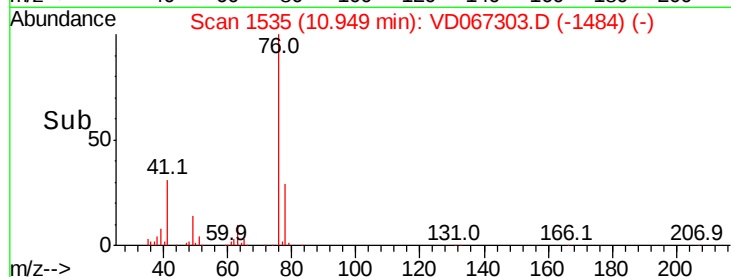
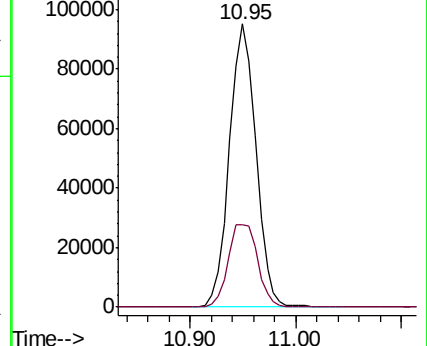
76 100

78 32.3 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 243.386 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067303.D

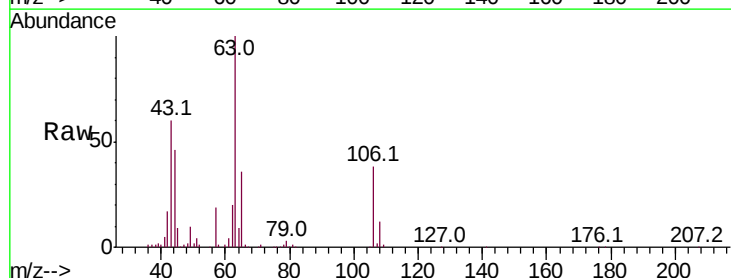
Acq: 19 Oct 2020 12:21

Tgt Ion: 63 Resp: 277470

Ion Ratio Lower Upper

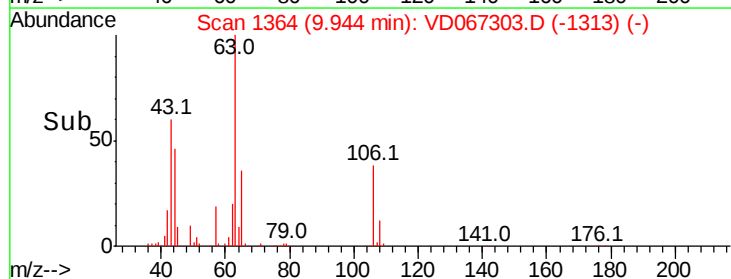
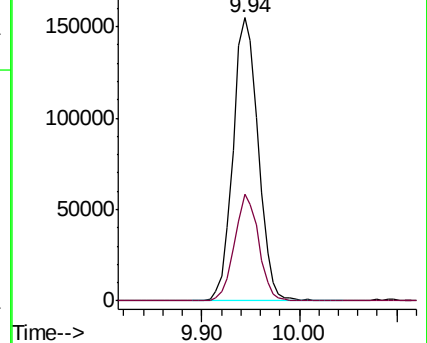
63 100

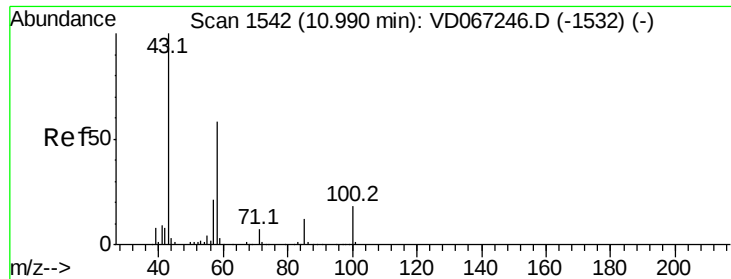
106 36.4 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

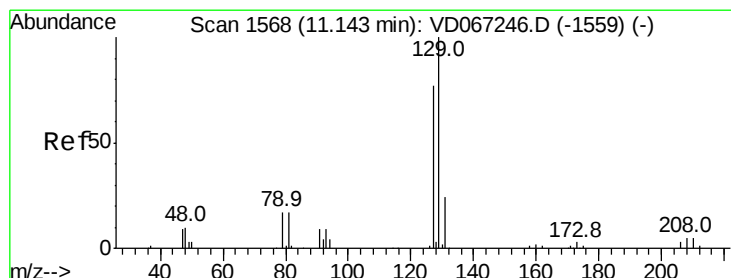
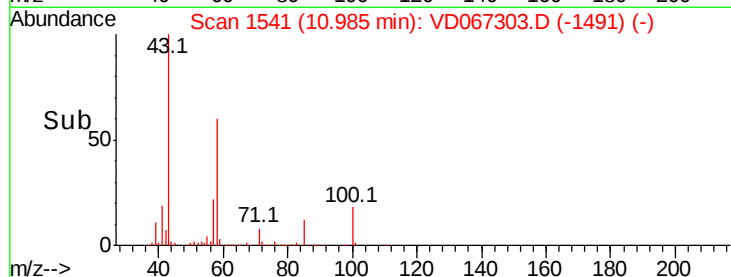
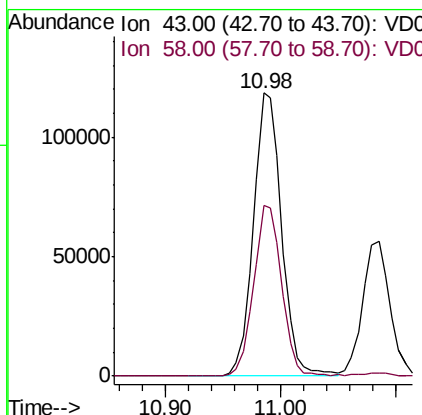
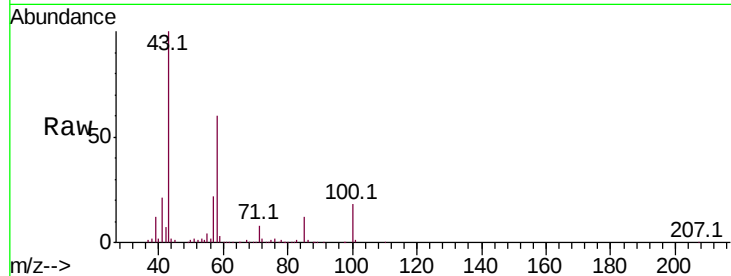




#59
2-Hexanone
Concen: 256.050 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

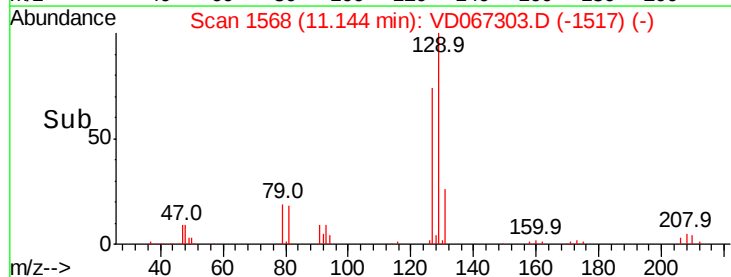
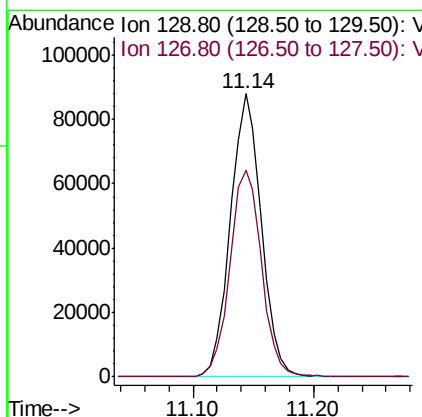
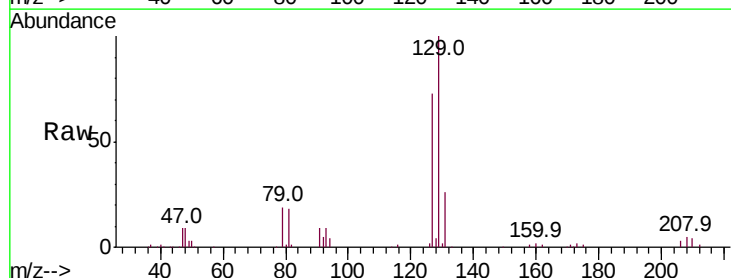
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

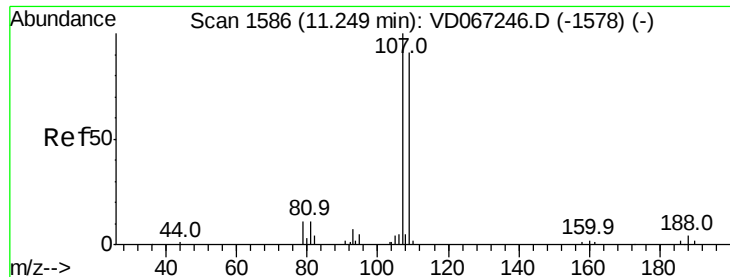
Tot Ion: 43 Resp: 202096
Ion Ratio Lower Upper
43 100
58 59.5 29.3 87.9



#60
Dibromochloromethane
Concen: 50.145 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 129 Resp: 156700
Ion Ratio Lower Upper
129 100
127 74.9 38.3 114.8

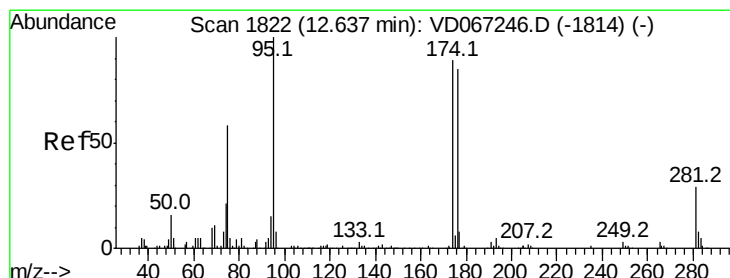
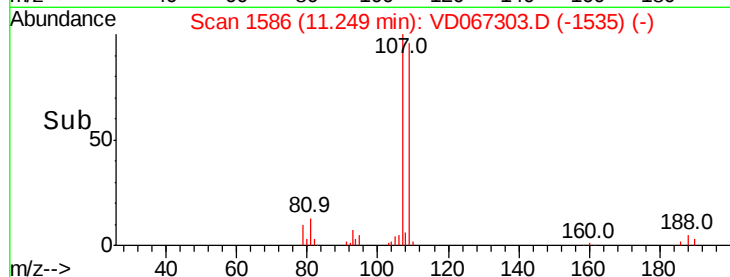
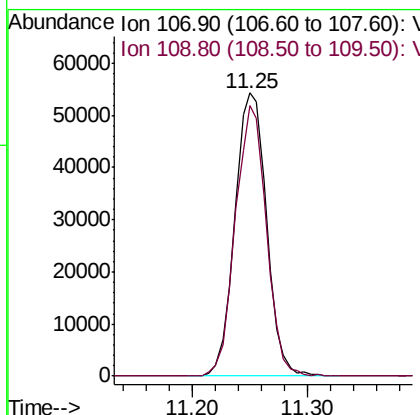
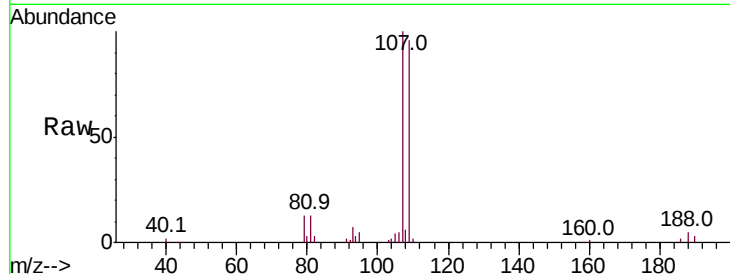




#61
 1,2-Dibromoethane
 Concen: 48.701 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

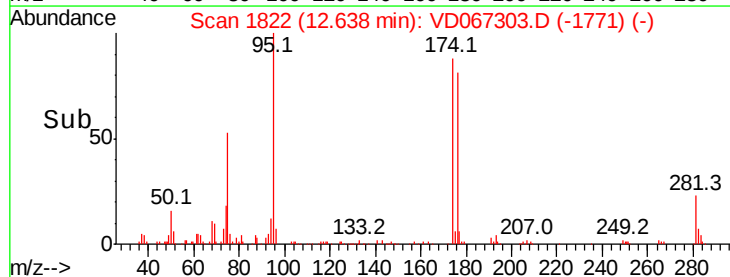
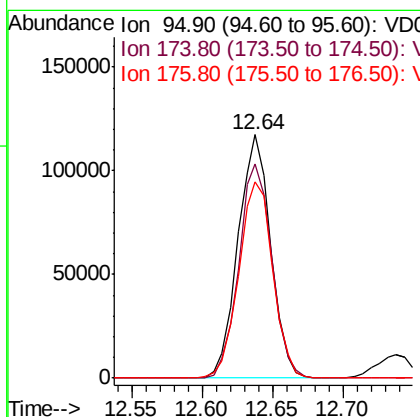
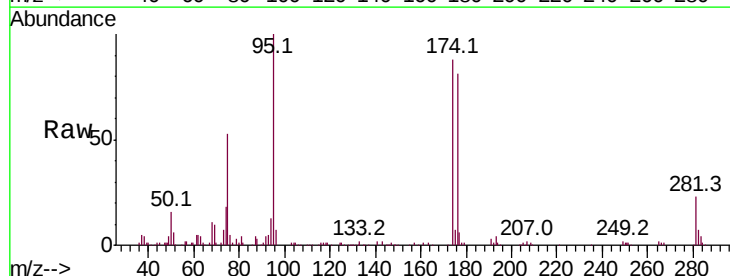
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

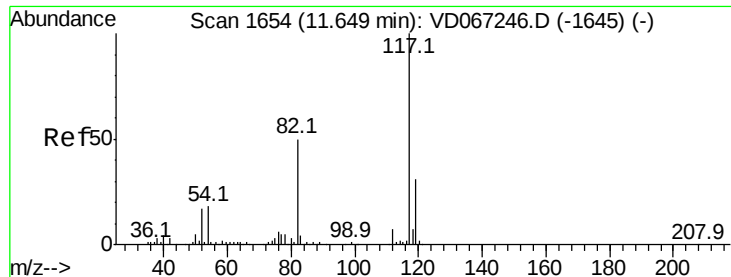
Tot Ion: 107 Resp: 102881
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.315 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Tgt Ion: 95 Resp: 189365
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 175.2
 176 84.3 0.0 168.6

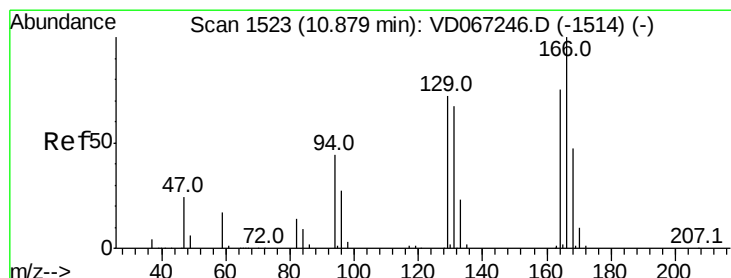
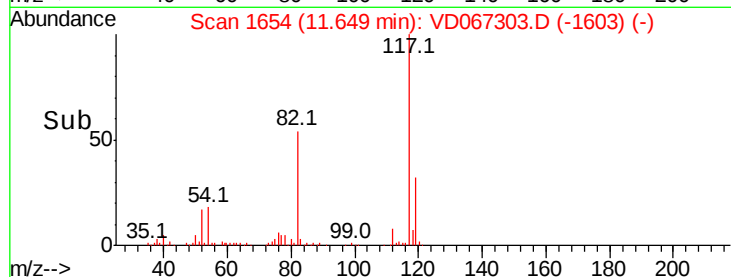
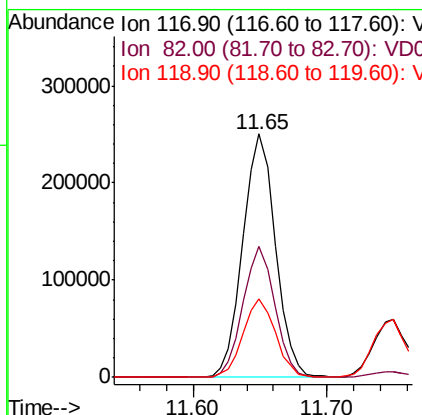
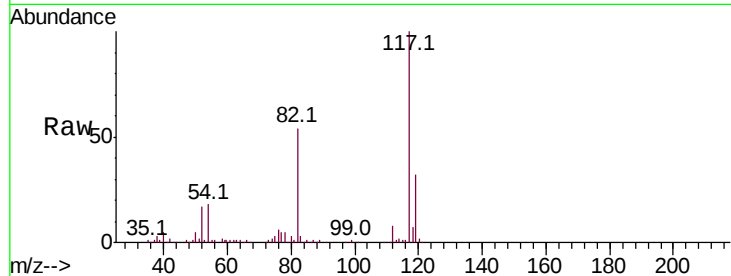




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

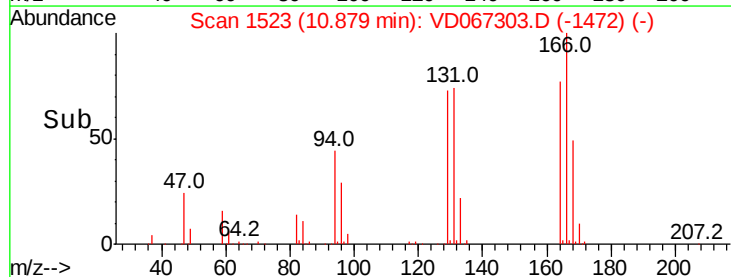
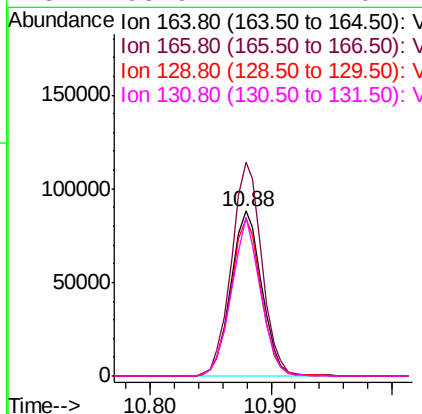
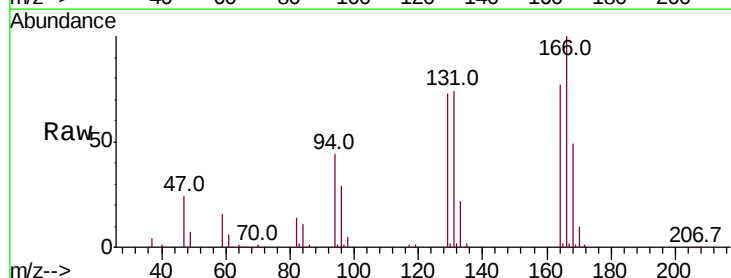
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

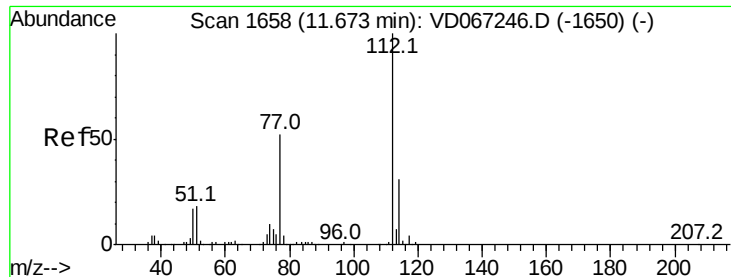
Tot Ion:117 Resp: 422817
Ion Ratio Lower Upper
117 100
82 53.6 39.9 59.9
119 32.5 24.9 37.3



#64
Tetrachloroethene
Concen: 51.353 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion:164 Resp: 157317
Ion Ratio Lower Upper
164 100
166 129.5 107.3 160.9
129 95.1 77.3 115.9
131 95.9 71.4 107.2

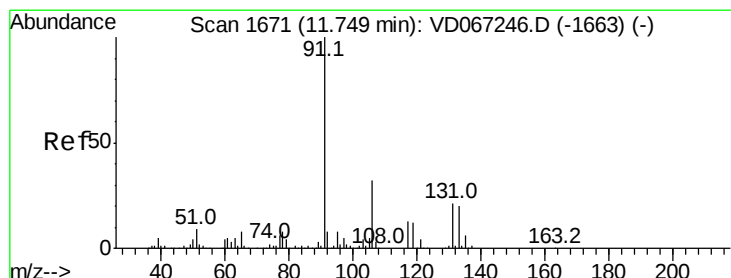
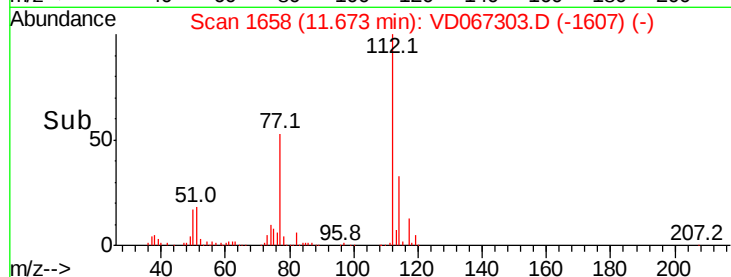
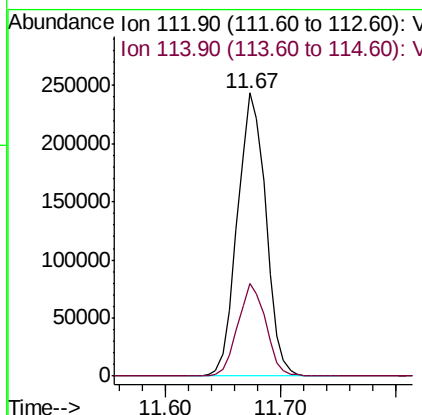
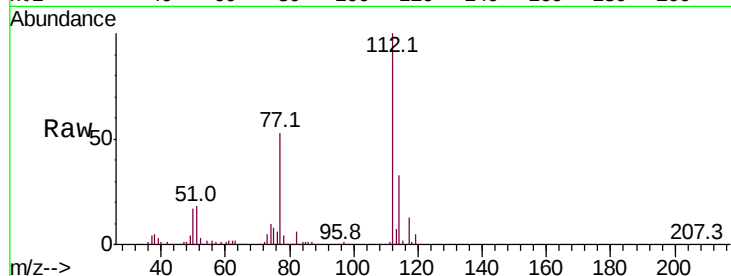




#65
Chlorobenzene
Concen: 51.243 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

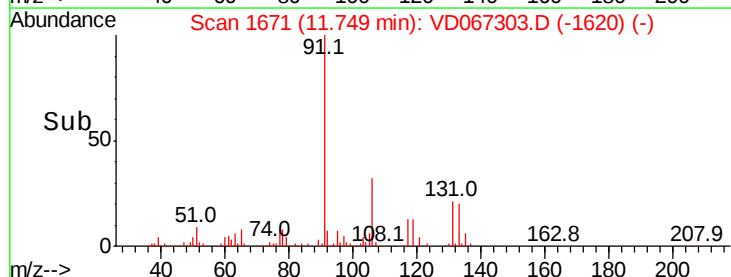
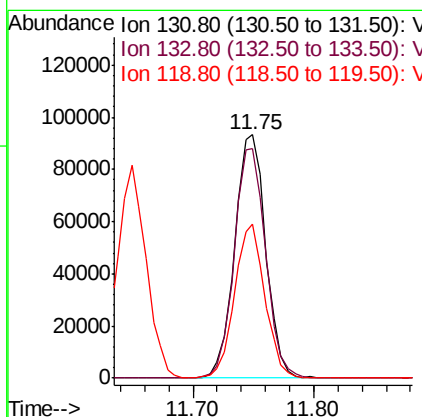
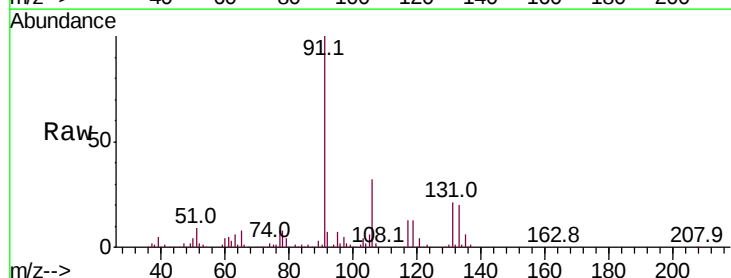
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

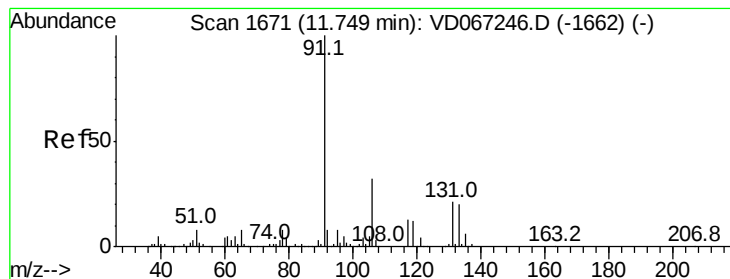
Tot Ion:112 Resp: 415480
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.780 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion:131 Resp: 166861
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.3
119 62.1 30.0 90.0





#67

Ethyl Benzene

Concen: 53.594 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

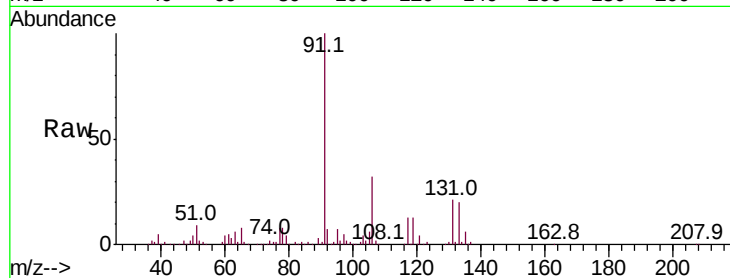
VSTDCCC050

Tot Ion: 91 Resp: 744878

Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

600000

400000

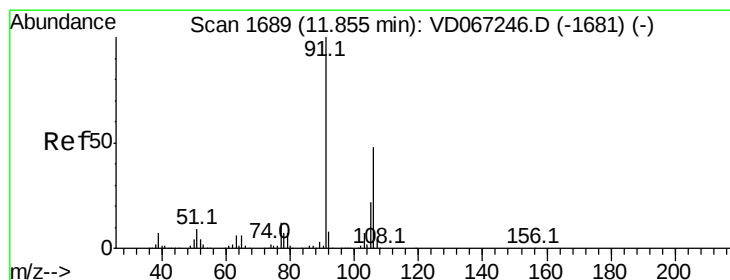
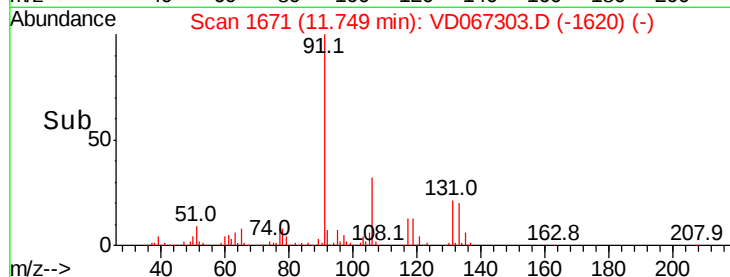
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 105.534 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067303.D

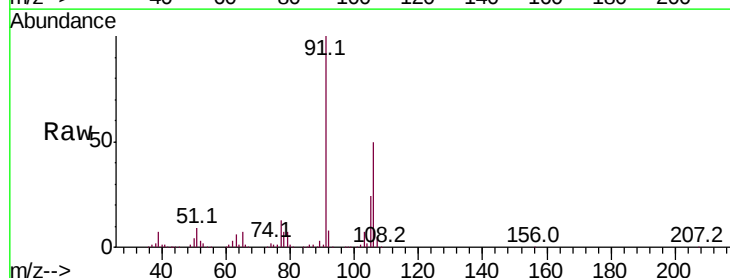
Acq: 19 Oct 2020 12:21

Tgt Ion: 106 Resp: 564834

Ion Ratio Lower Upper

106 100

91 205.1 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

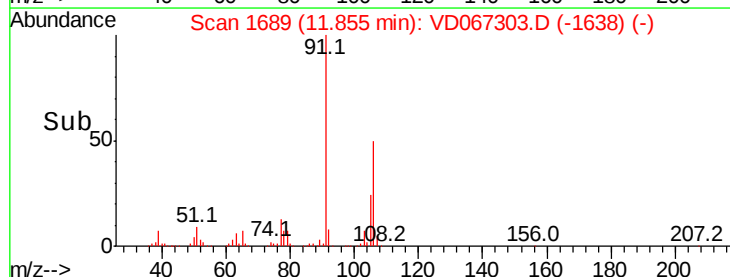
200000

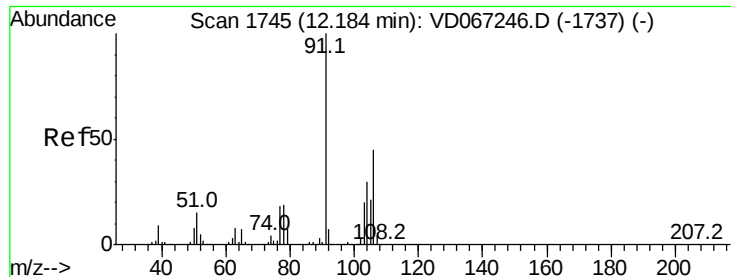
0

11.86

11.90

Time-->

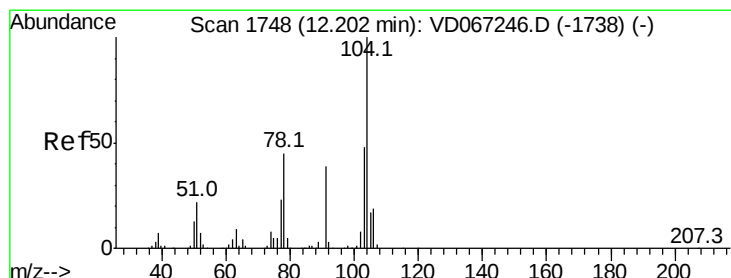
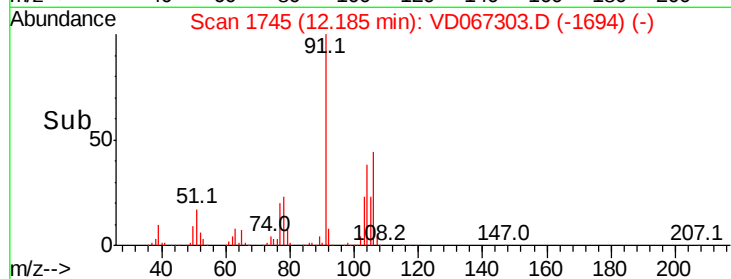
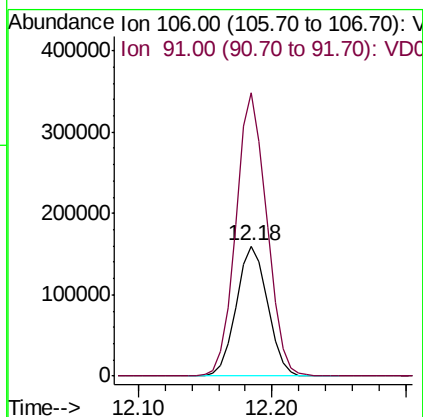
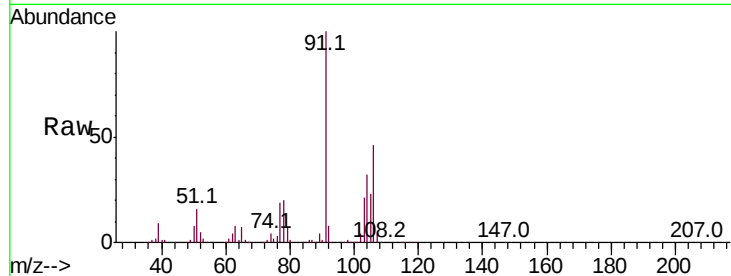




#69
o-Xylene
Concen: 52.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

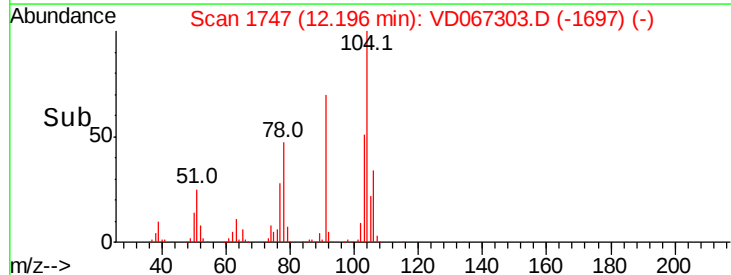
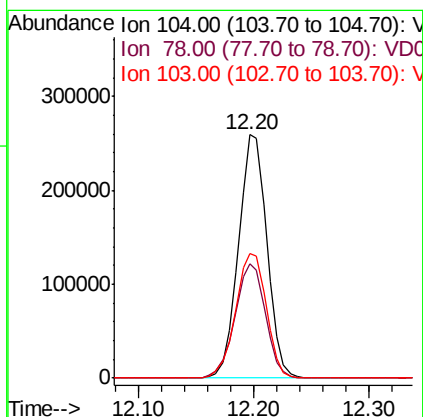
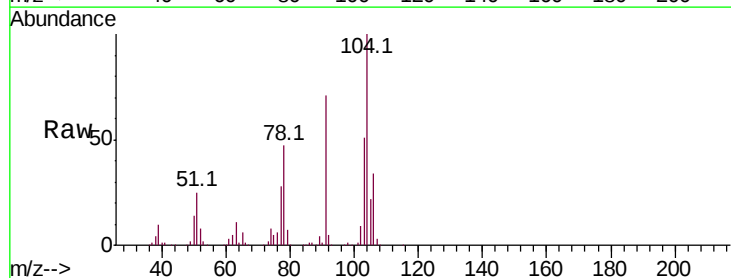
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

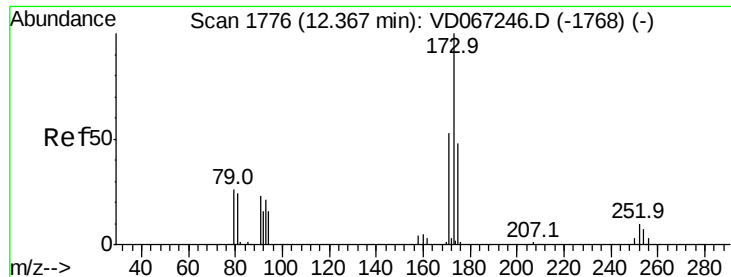
Tot Ion:106 Resp: 259070
Ion Ratio Lower Upper
106 100
91 214.9 109.1 327.3



#70
Styrene
Concen: 51.796 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion:104 Resp: 441908
Ion Ratio Lower Upper
104 100
78 50.5 39.8 59.6
103 55.2 42.6 64.0





#71

Bromoform

Concen: 49.030 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

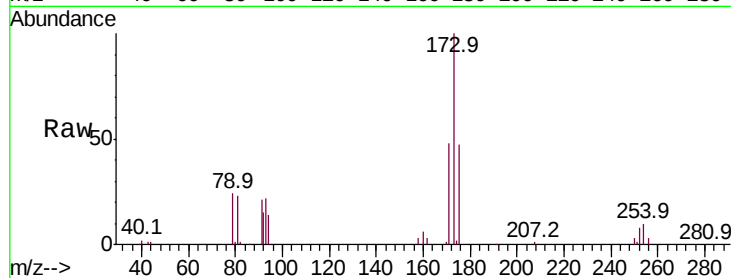
Tot Ion:173 Resp: 84880

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

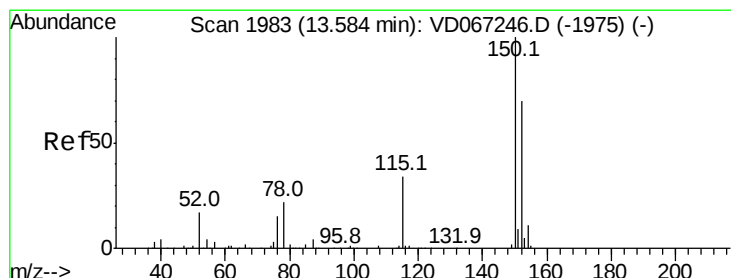
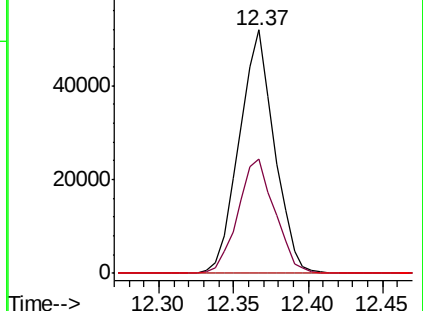
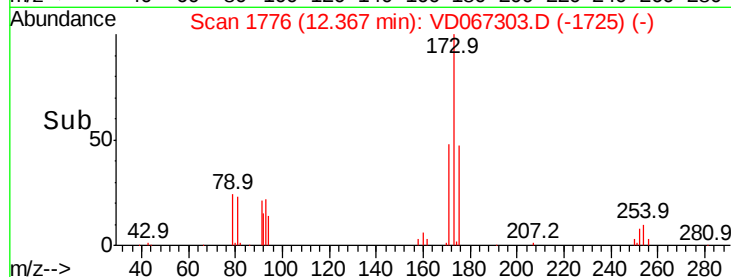
254 0.0 0.1 0.1#



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: VD067303.D

Acq: 19 Oct 2020 12:21

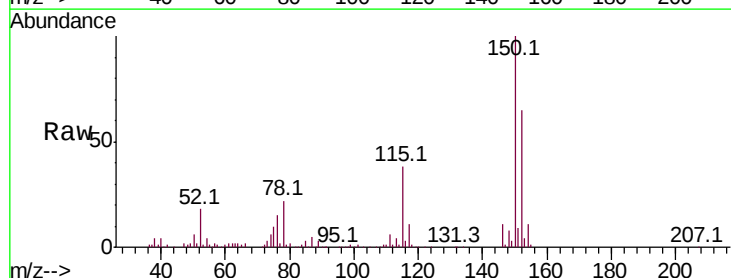
Tgt Ion:152 Resp: 212379

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

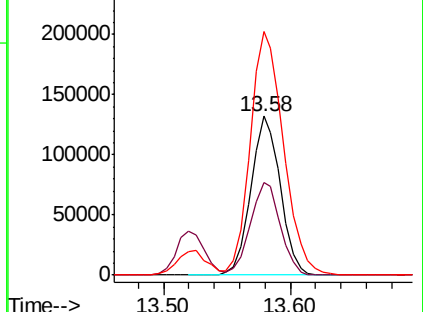
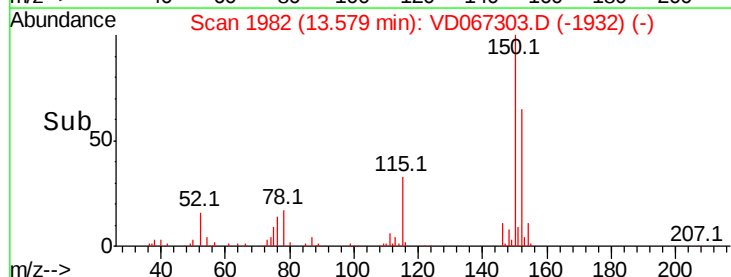
150 172.9 0.0 339.0

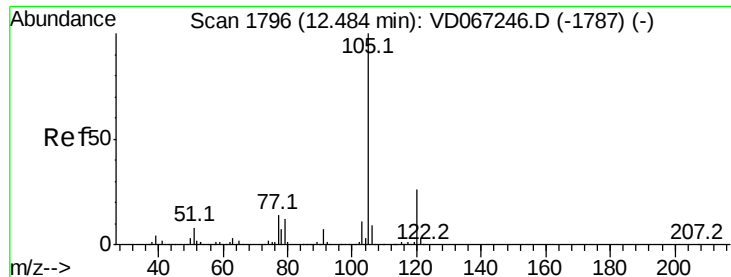


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.253 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

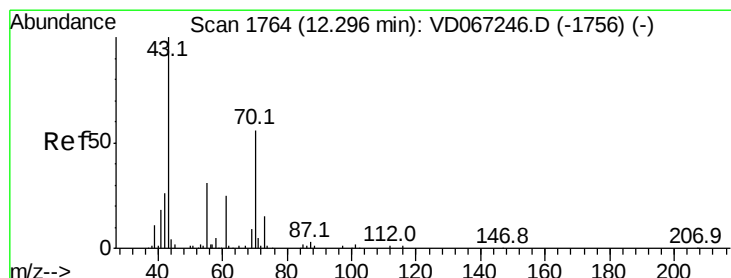
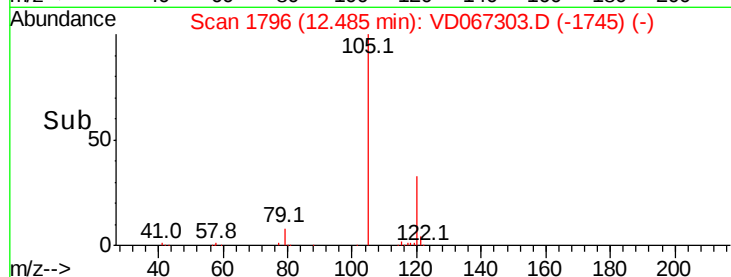
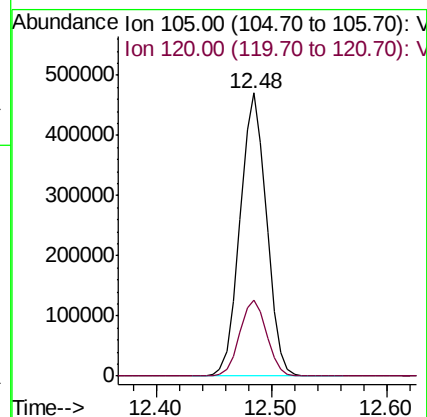
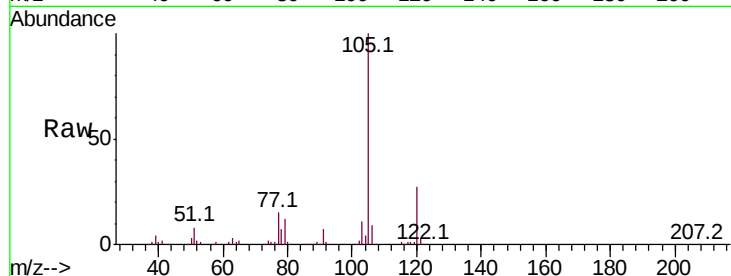
VSTDCCC050

Tot Ion:105 Resp: 744750

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-ethyl acetate

Concen: 51.206 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Tgt Ion: 43 Resp: 104244

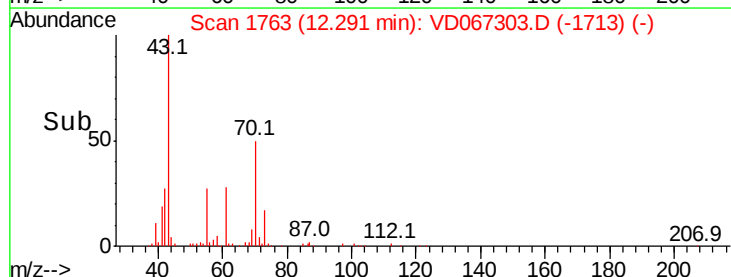
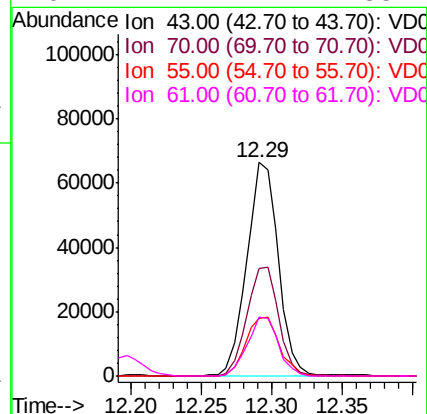
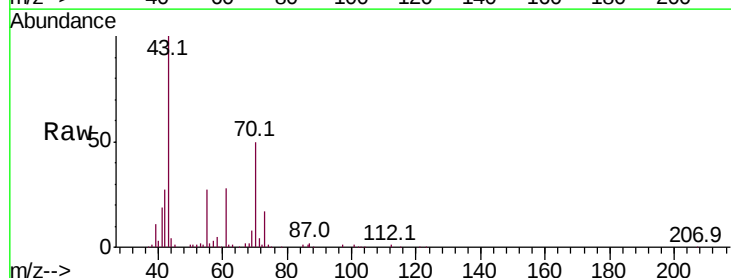
Ion Ratio Lower Upper

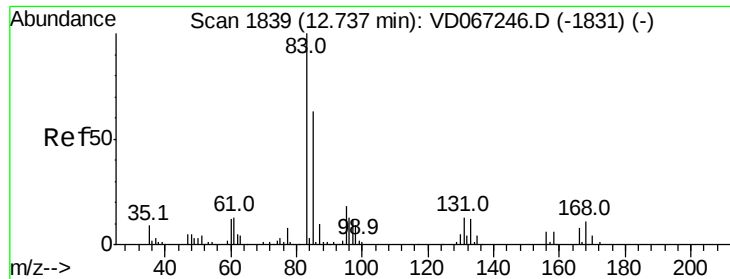
43 100

70 51.5 42.7 64.1

55 29.0 24.0 36.0

61 27.1 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.335 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

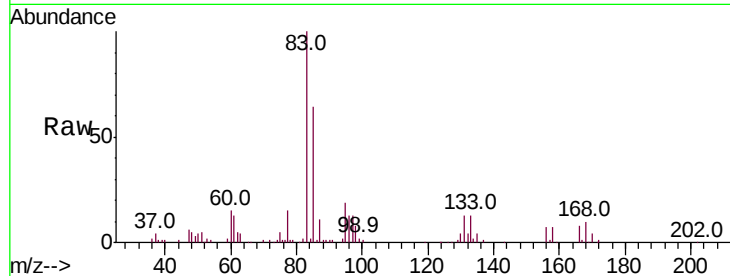
Tot Ion: 83 Resp: 103957

Ion Ratio Lower Upper

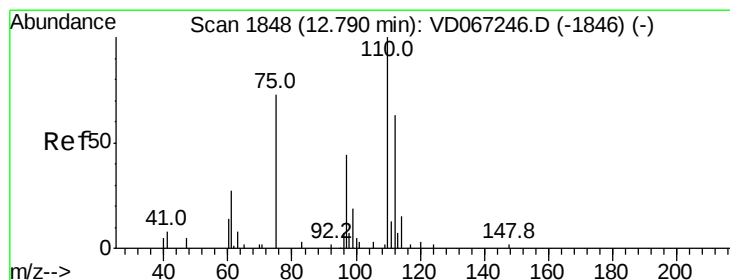
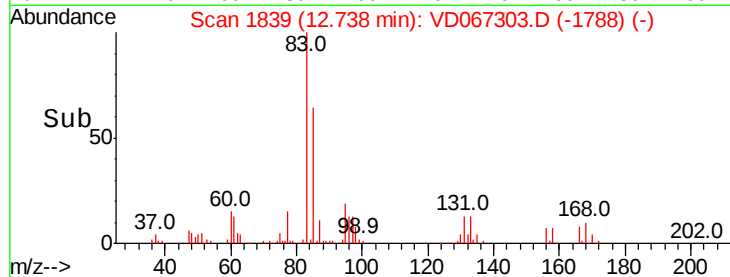
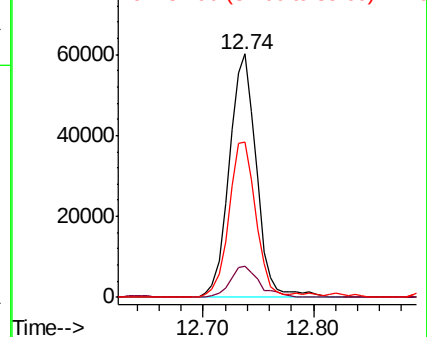
83 100

131 13.7 6.5 19.5

85 63.0 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: 95.018 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067303.D

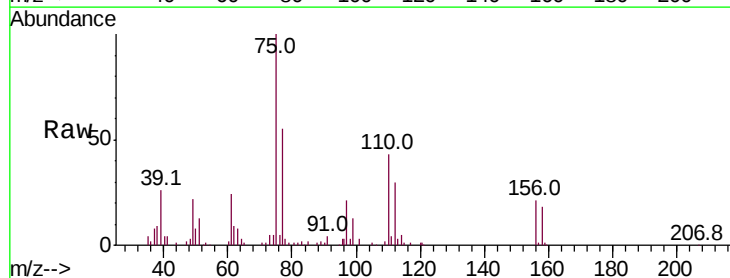
Acq: 19 Oct 2020 12:21

Tgt Ion: 75 Resp: 139865

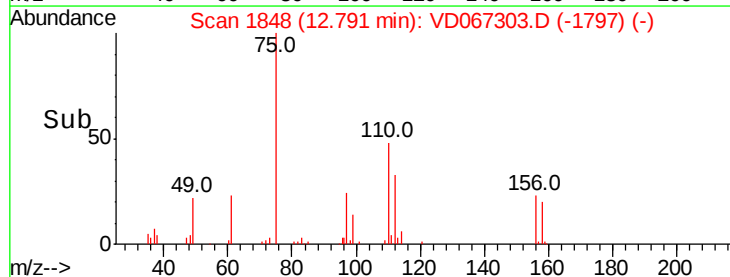
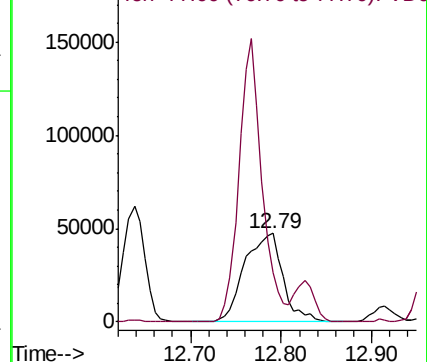
Ion Ratio Lower Upper

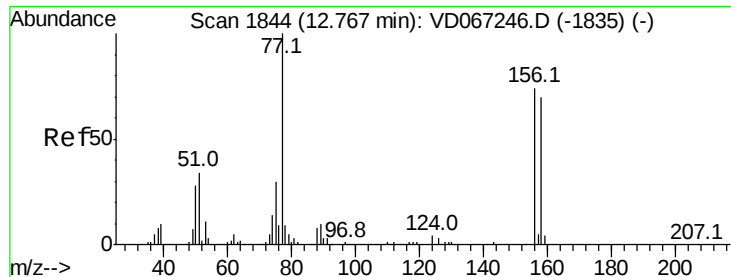
75 100

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: 51.896 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

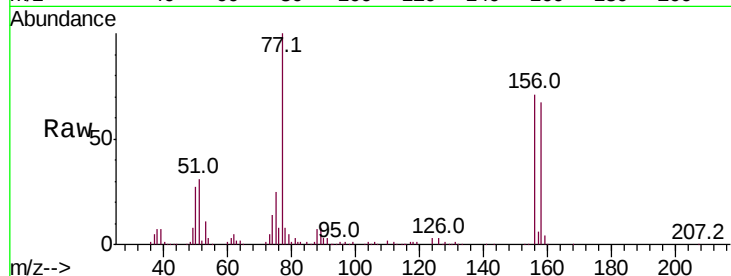
Tot Ion:156 Resp: 174392

Ion Ratio Lower Upper

156 100

77 156.2 78.0 233.8

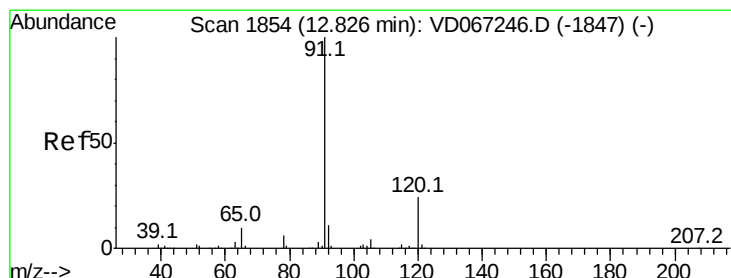
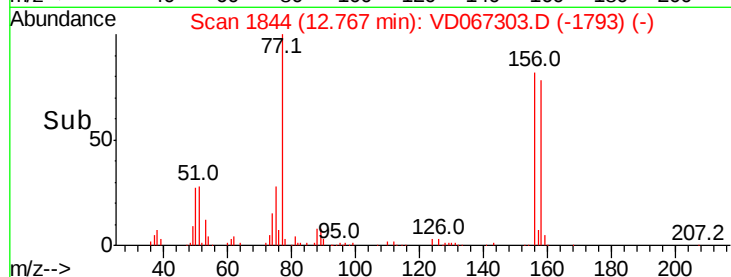
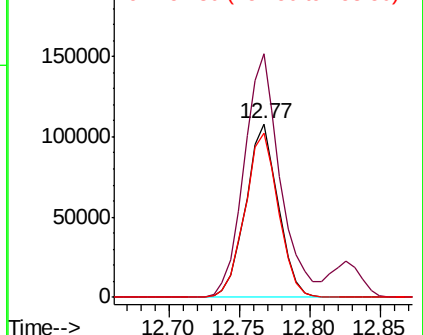
158 97.2 49.1 147.3



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: 55.207 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067303.D

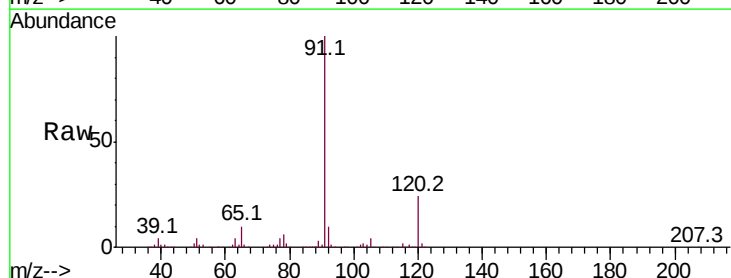
Acq: 19 Oct 2020 12:21

Tgt Ion: 91 Resp: 862180

Ion Ratio Lower Upper

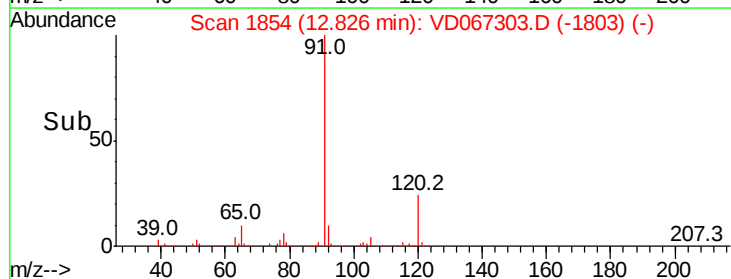
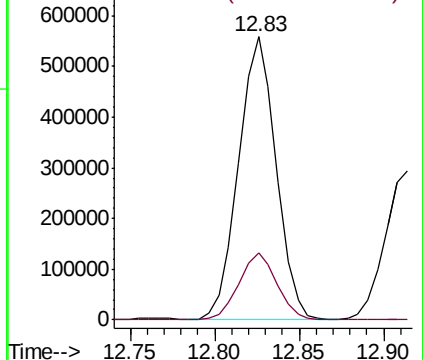
91 100

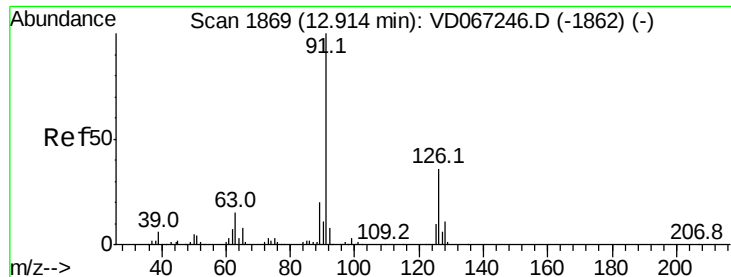
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.296 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

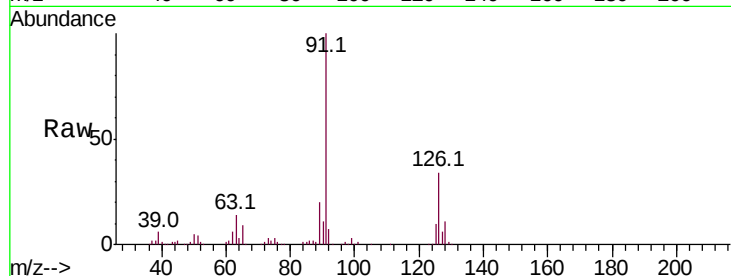
VSTDCCC050

Tot Ion: 91 Resp: 482681

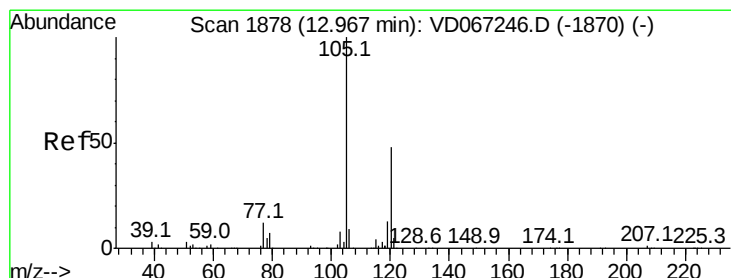
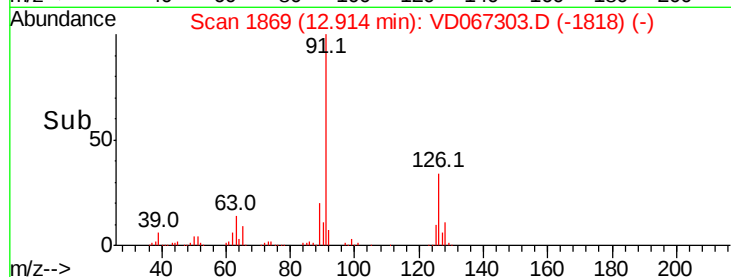
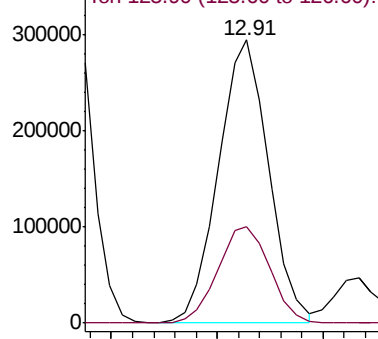
Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 54.770 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067303.D

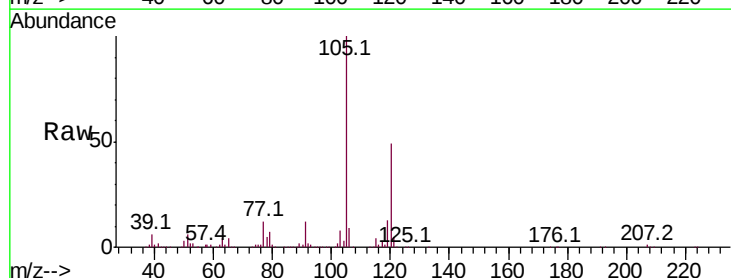
Acq: 19 Oct 2020 12:21

Tgt Ion: 105 Resp: 641528

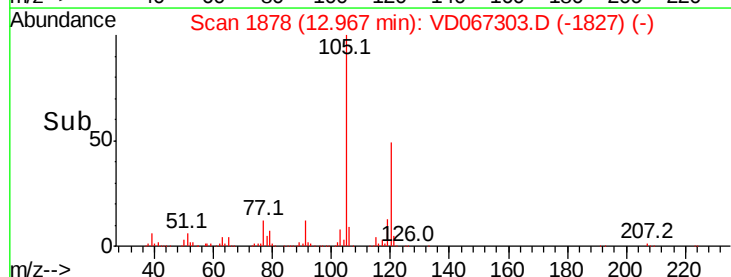
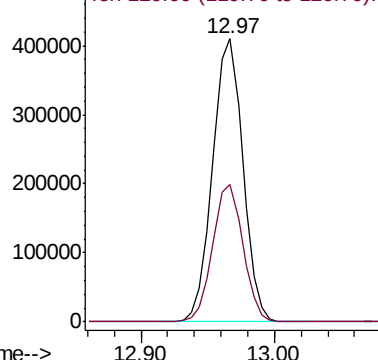
Ion Ratio Lower Upper

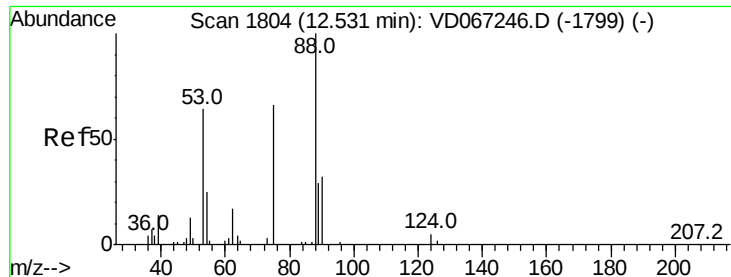
105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.130 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

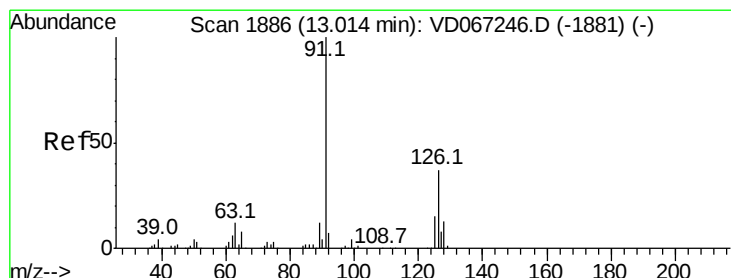
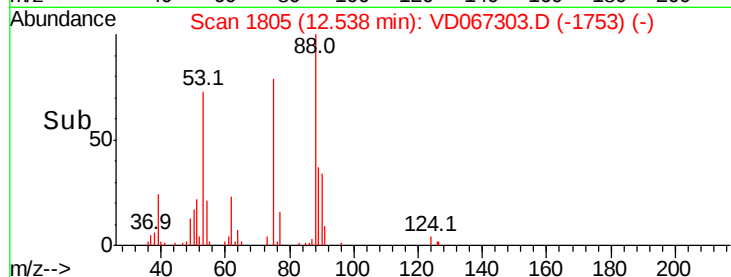
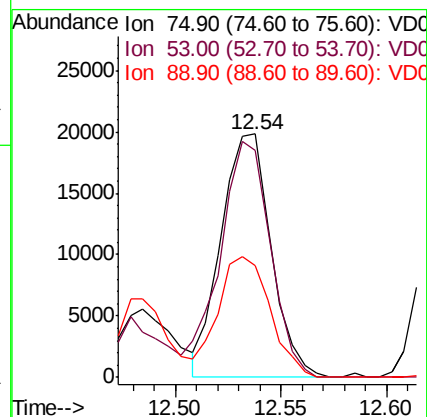
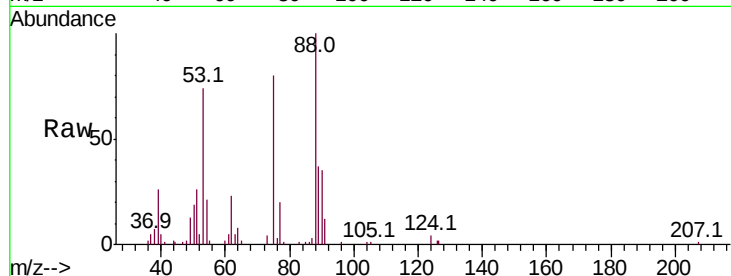
Tot Ion: 75 Resp: 32540

Ion Ratio Lower Upper

75 100

53 98.1 78.5 117.7

89 51.7 39.9 59.9



#82

4-Chlorotoluene

Concen: 52.902 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067303.D

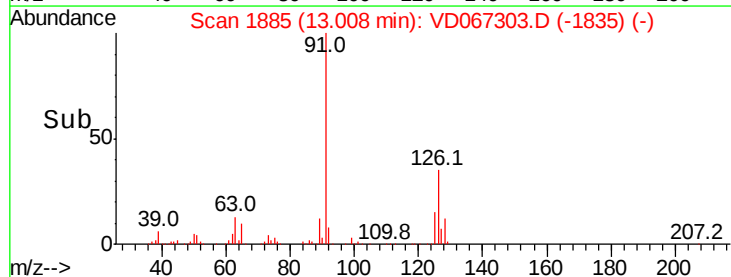
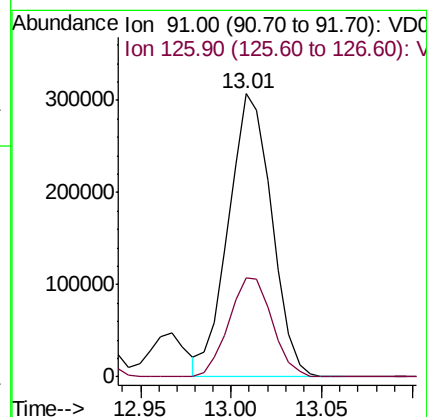
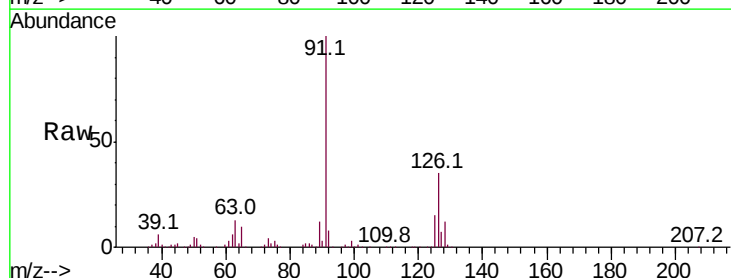
Acq: 19 Oct 2020 12:21

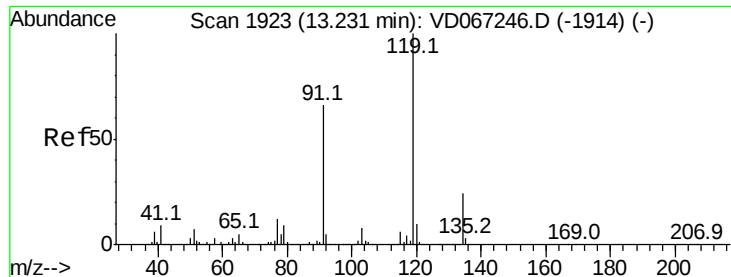
Tgt Ion: 91 Resp: 508507

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5





#83

tert-Butylbenzene

Concen: 56.709 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

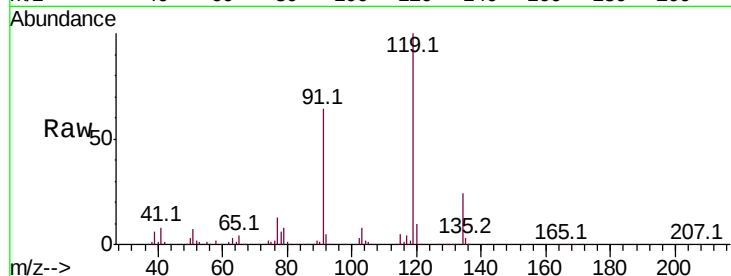
Tot Ion:119 Resp: 561096

Ion Ratio Lower Upper

119 100

91 64.7 33.1 99.2

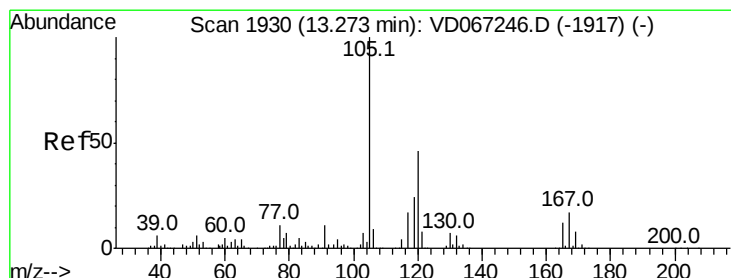
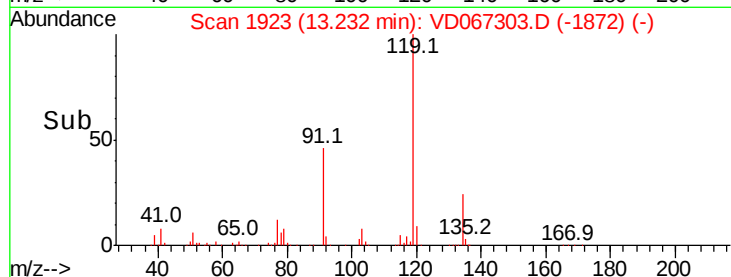
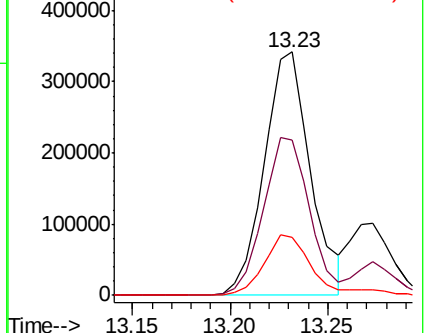
134 26.2 13.3 39.9



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: 54.630 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067303.D

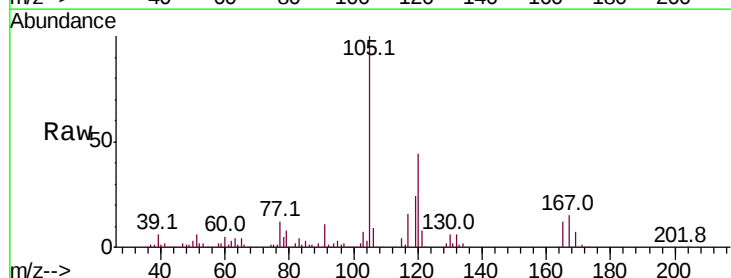
Acq: 19 Oct 2020 12:21

Tgt Ion:105 Resp: 632445

Ion Ratio Lower Upper

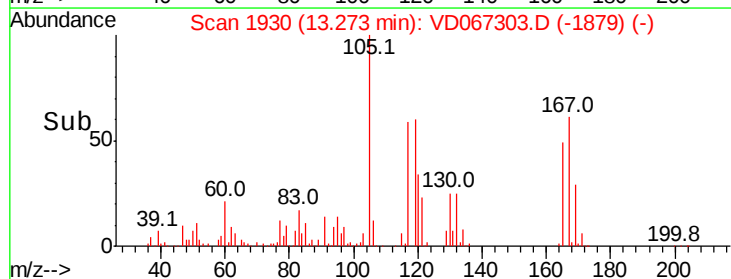
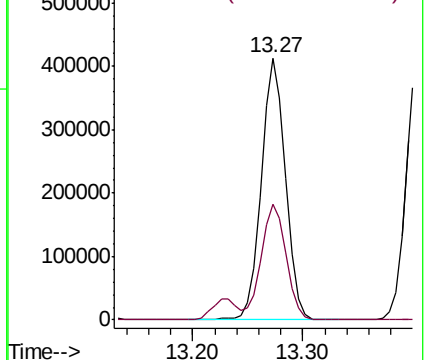
105 100

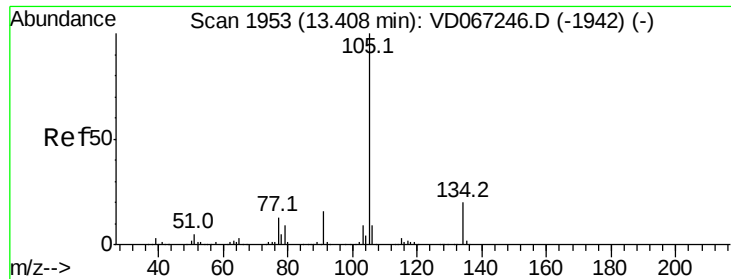
120 45.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.545 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

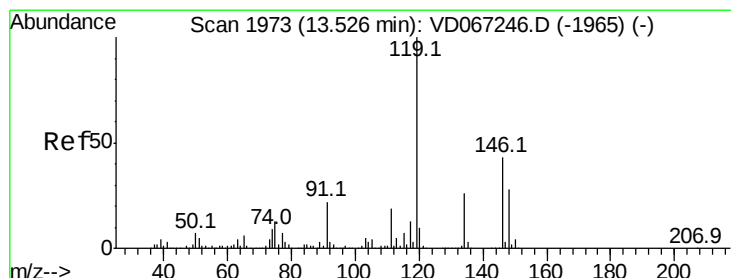
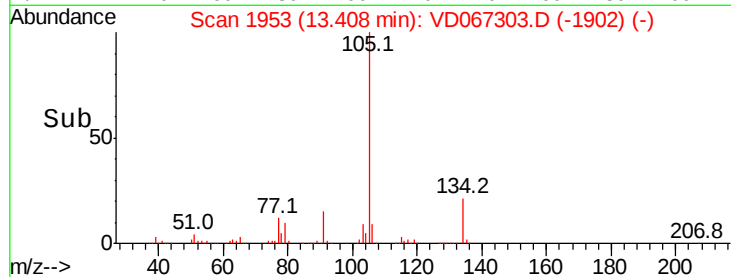
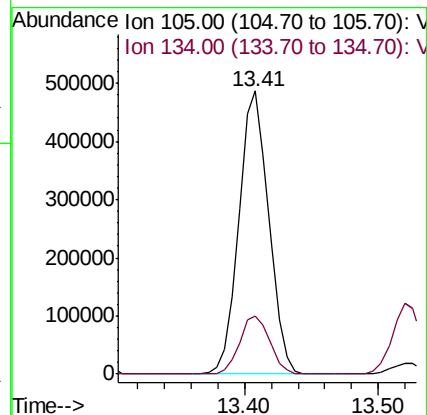
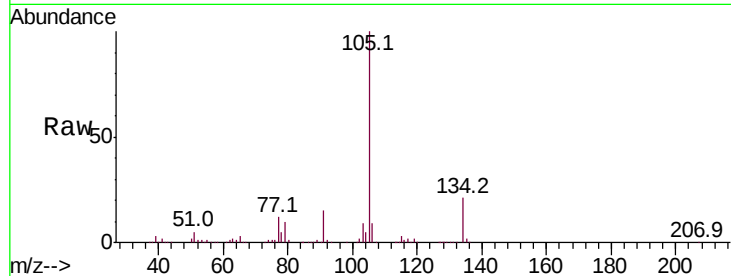
VSTDCCC050

Tot Ion:105 Resp: 754106

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



#86

p-Isopropyltoluene

Concen: 55.729 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067303.D

Acq: 19 Oct 2020 12:21

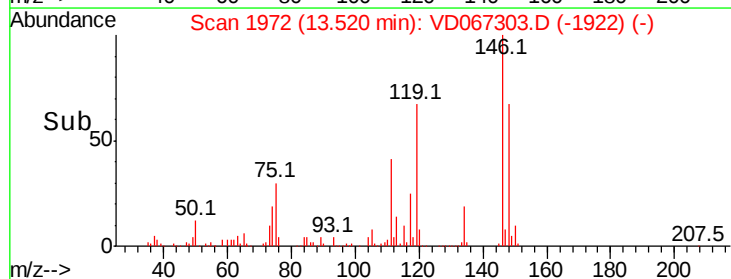
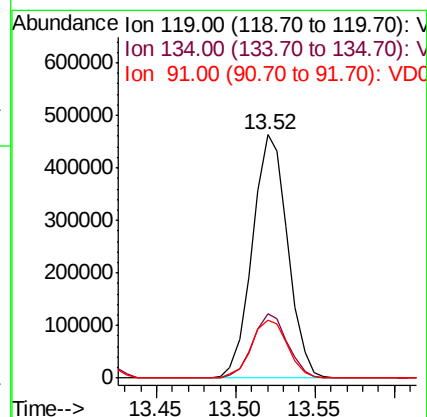
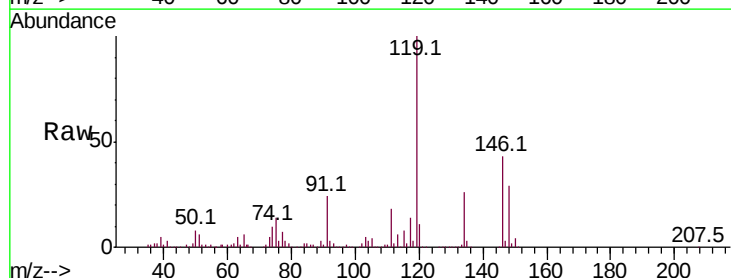
Tgt Ion:119 Resp: 714128

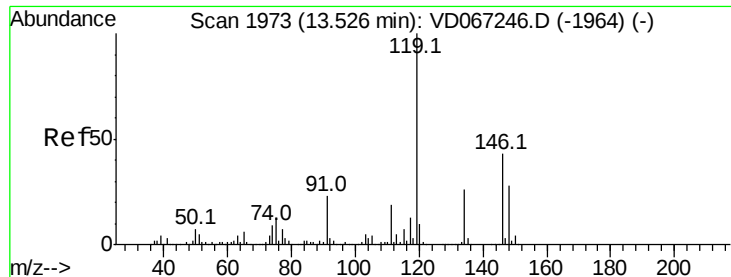
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.3 11.9 35.9

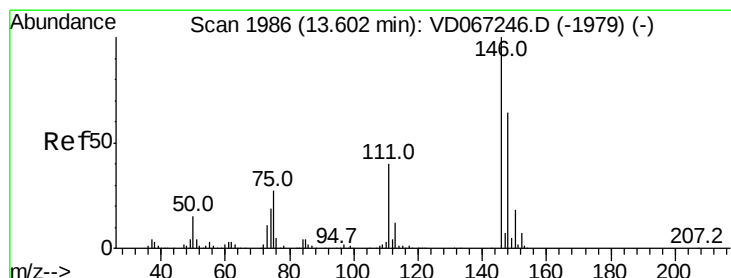
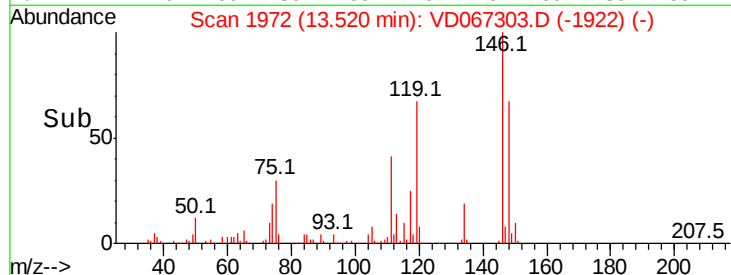
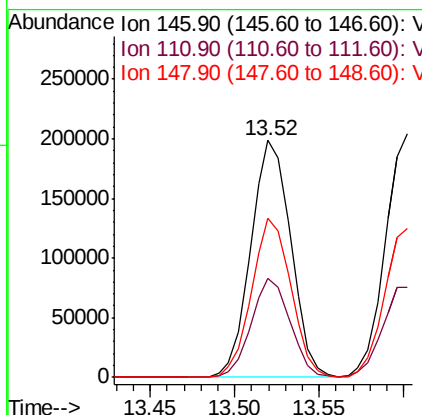
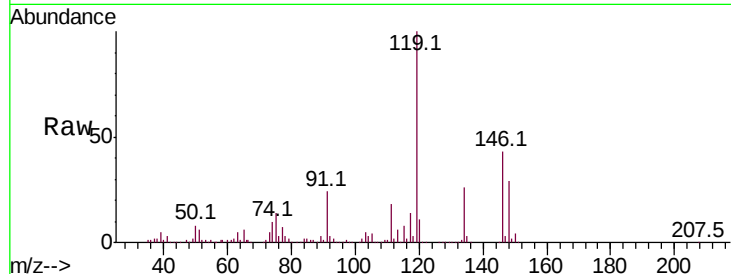




#87
 1,3-Dichlorobenzene
 Concen: 50.733 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

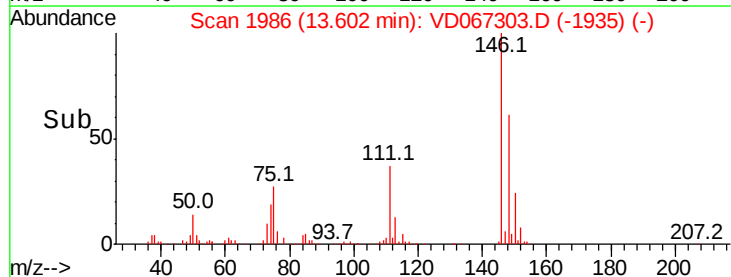
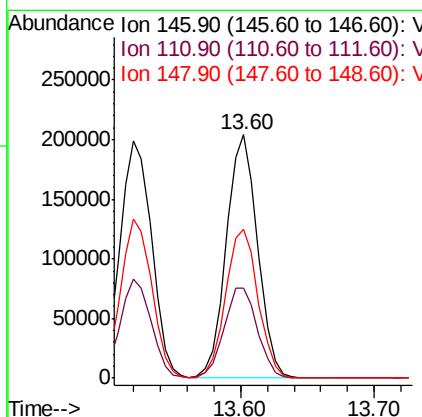
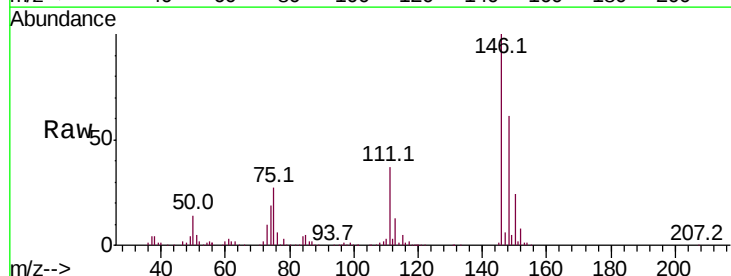
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

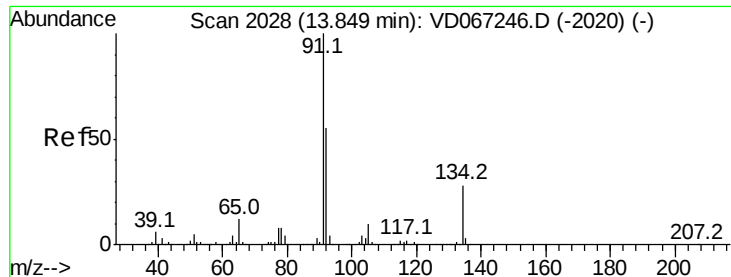
Tot Ion:146 Resp: 328144
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.3
 148 65.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 52.129 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Tgt Ion:146 Resp: 334054
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 63.3 31.9 95.9

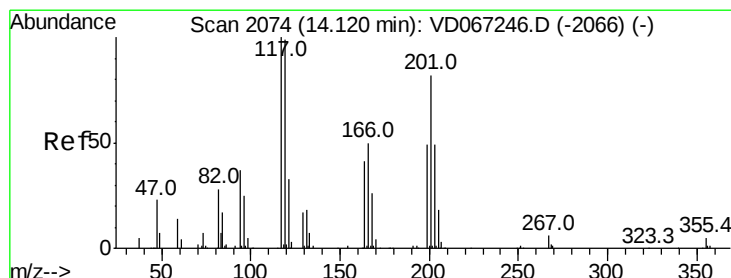
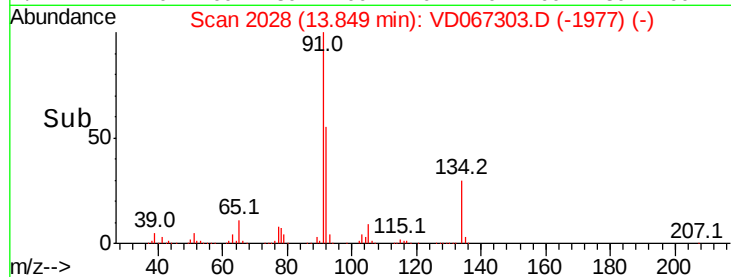
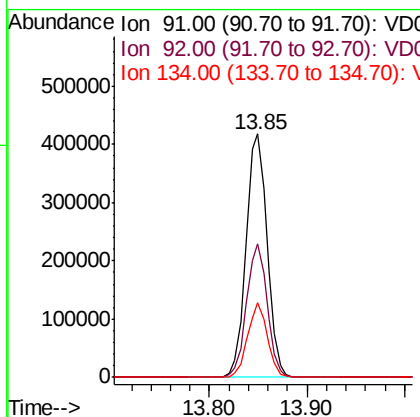
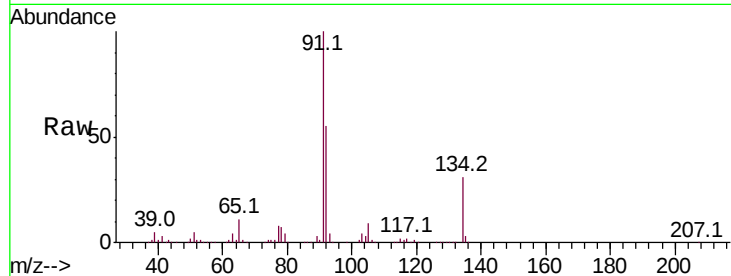




#89
n-Butylbenzene
Concen: 55.782 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

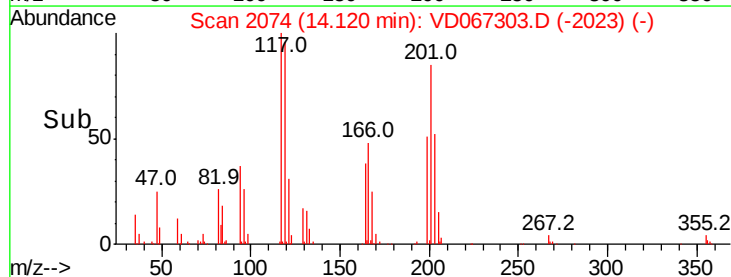
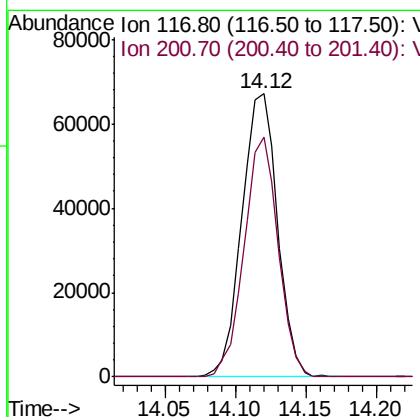
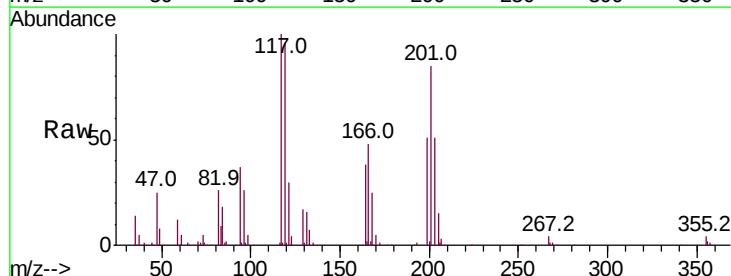
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

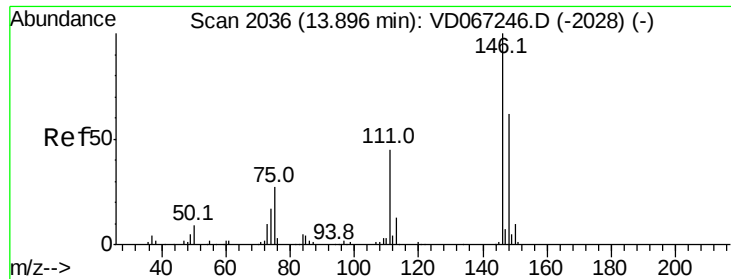
Tot Ion: 91 Resp: 628850
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 28.8 14.2 42.6



#90
Hexachloroethane
Concen: 53.385 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion: 117 Resp: 119378
Ion Ratio Lower Upper
117 100
201 80.8 40.8 122.2

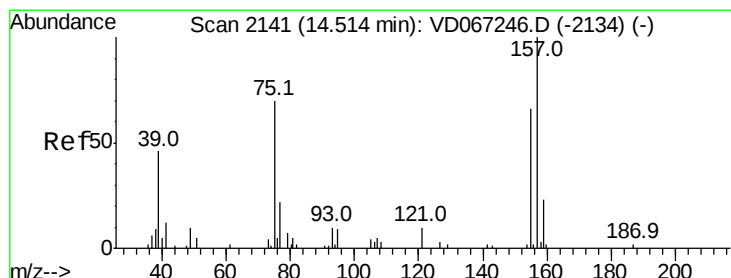
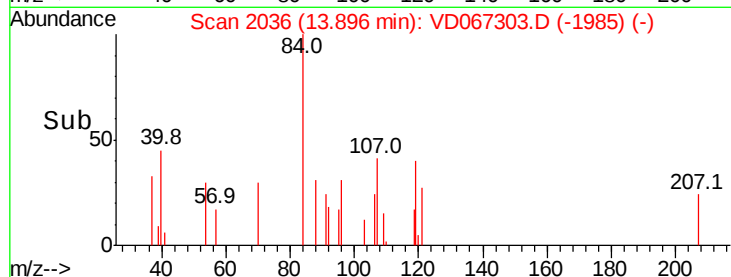
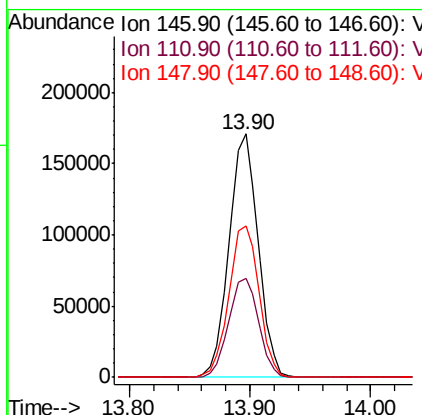
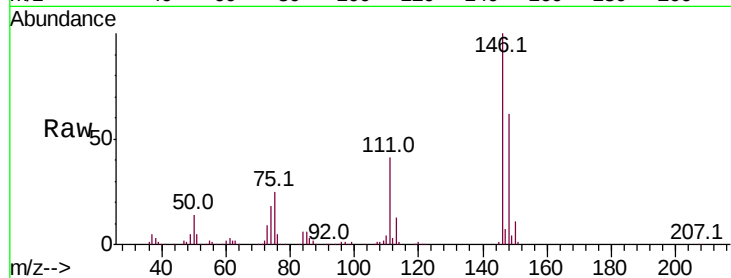




#91
 1,2-Dichlorobenzene
 Concen: 50.803 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

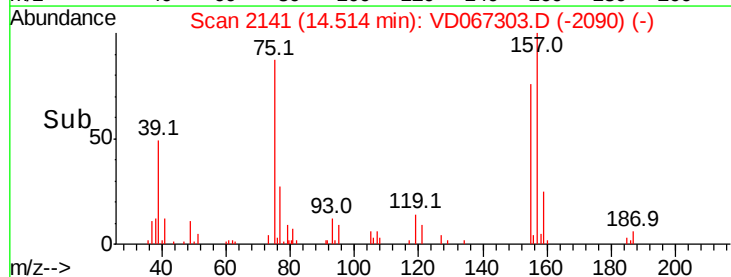
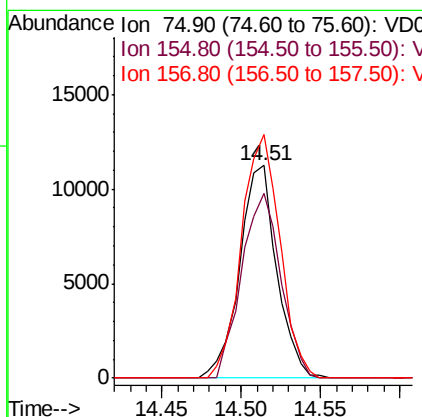
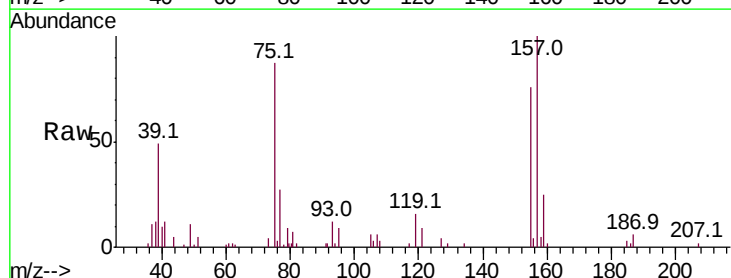
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

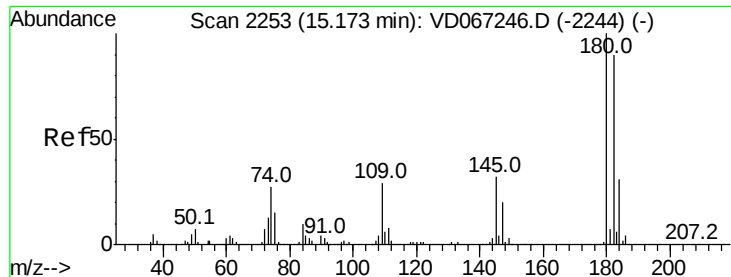
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.0	66.0
148	64.3	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.867 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	44.8	134.4
157	118.3	62.5	187.4

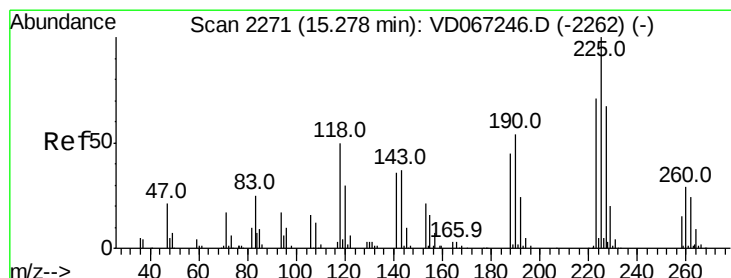
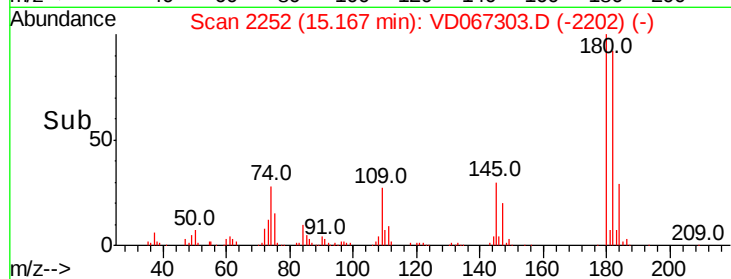
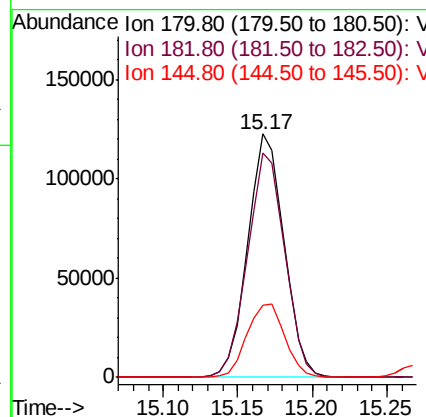
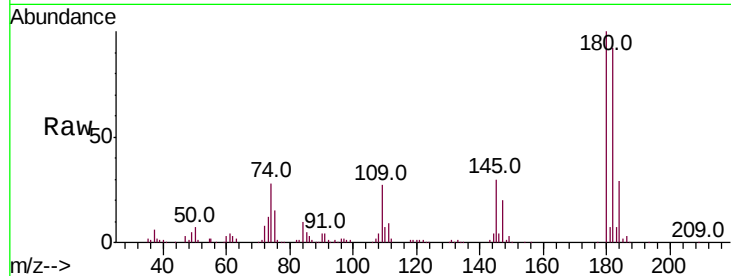




#93
 1,2,4-Trichlorobenzene
 Concen: 54.113 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

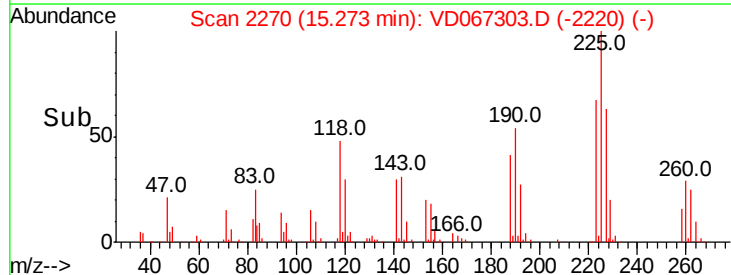
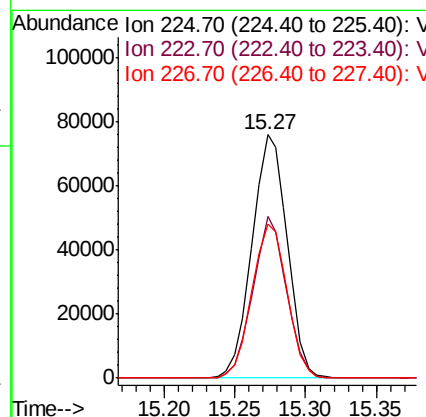
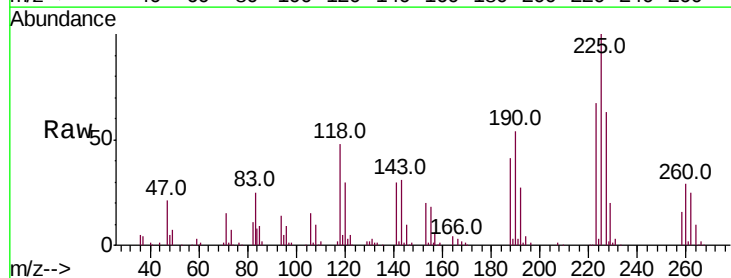
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

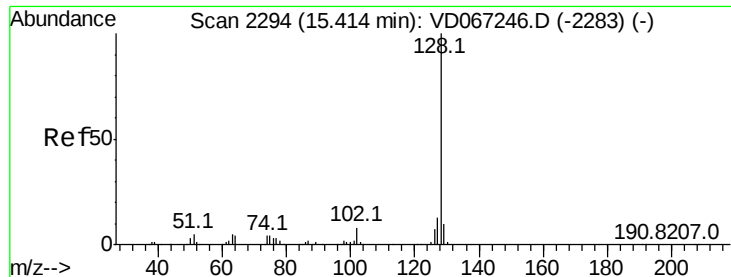
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	31.6	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 56.193 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067303.D
 Acq: 19 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.3	31.2	93.6

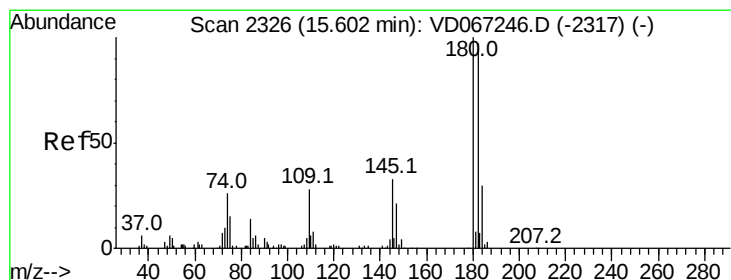
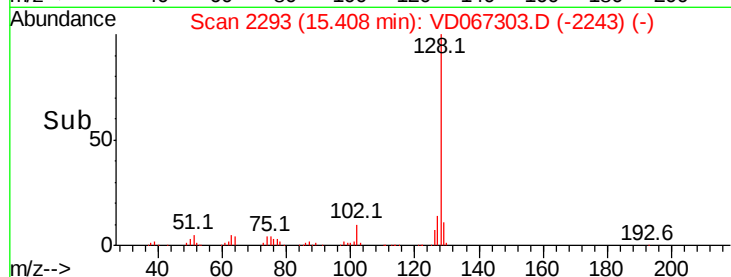
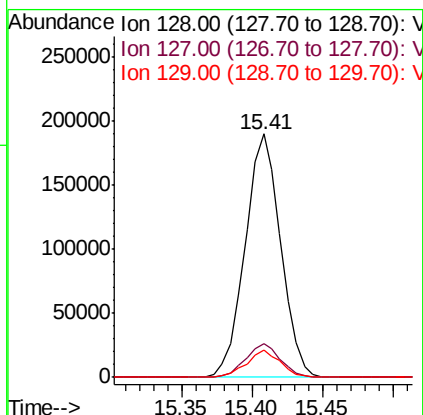
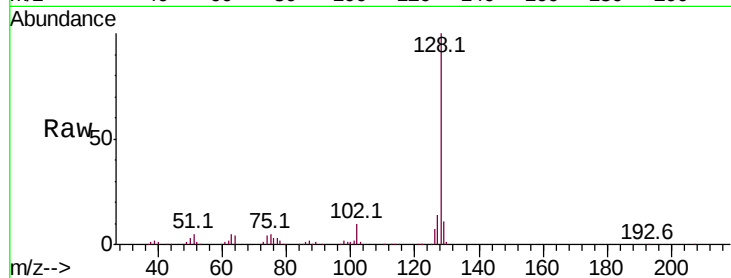




#95
Naphthalene
Concen: 53.485 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.383 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067303.D
Acq: 19 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.1	144.3
145	33.4	17.3	51.9

