

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067272.D
 Acq On : 14 Oct 2020 17:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 15 06:13:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	345761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	521244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	164288	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.92	113	169771	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	625836	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.64	95	215786	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	133366	47.866	ug/l	91
3) Chloromethane	2.21	50	97183	44.660	ug/l	98
4) Vinyl Chloride	2.35	62	110868	46.435	ug/l	93
5) Bromomethane	2.77	94	88951	53.712	ug/l	96
6) Chloroethane	2.93	64	68850	46.303	ug/l	99
7) Trichlorofluoromethane	3.27	101	276542	45.997	ug/l	98
8) Diethyl Ether	3.71	74	66264	48.166	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148841	46.597	ug/l	99
10) Methyl Iodide	4.30	142	147281	49.984	ug/l	100
11) Tert butyl alcohol	5.22	59	40595	219.921	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	135559	47.504	ug/l	98
13) Acrolein	3.93	56	44039	215.949	ug/l	98
14) Allyl chloride	4.72	41	158978	48.648	ug/l	99
15) Acrylonitrile	5.42	53	114741	249.956	ug/l	98
16) Acetone	4.16	43	109217	225.127	ug/l	97
17) Carbon Disulfide	4.41	76	369409	45.409	ug/l	98
18) Methyl Acetate	4.71	43	50259	45.420	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	285636	50.340	ug/l	99
20) Methylene Chloride	4.96	84	154181	49.577	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	158138	48.156	ug/l	100
22) Diisopropyl ether	6.36	45	305246	51.132	ug/l	98
23) Vinyl Acetate	6.31	43	916577	269.874	ug/l	99
24) 1,1-Dichloroethane	6.26	63	248681	48.664	ug/l	97
25) 2-Butanone	7.21	43	136364	246.588	ug/l	96
26) 2,2-Dichloropropane	7.21	77	251513	47.751	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	178904	49.709	ug/l	99
28) Bromochloromethane	7.55	49	86843	49.824	ug/l	100
29) Tetrahydrofuran	7.56	42	80435	261.659	ug/l	97
30) Chloroform	7.71	83	298695	48.930	ug/l	87
31) Cyclohexane	7.99	56	182349	45.704	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	290038	48.424	ug/l	99
36) 1,1-Dichloropropene	8.11	75	214180	48.480	ug/l	98
37) Ethyl Acetate	7.29	43	68075	52.373	ug/l #	94
38) Carbon Tetrachloride	8.10	117	265875	47.087	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	230975	50.010	ug/l	97
40) Benzene	8.36	78	588277	48.538	ug/l	99
41) Methacrylonitrile	7.53	41	30926	44.029	ug/l	97
42) 1,2-Dichloroethane	8.43	62	179011	47.196	ug/l	99
43) Isopropyl Acetate	8.46	43	132050	51.198	ug/l	99
44) Trichloroethene	9.11	130	190234	49.023	ug/l	99
45) 1,2-Dichloropropane	9.39	63	136902	48.739	ug/l	98
46) Dibromomethane	9.48	93	85340	48.763	ug/l	96
47) Bromodichloromethane	9.67	83	231897	49.457	ug/l	95
48) Methyl methacrylate	9.46	41	63261	50.472	ug/l	97
49) 1,4-Dioxane	9.47	88	17282	1021.060	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	323442	251.428	ug/l	98
52) Toluene	10.41	92	403870	48.925	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	208403	50.596	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	241042	50.004	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	117805	49.363	ug/l	98
56) Ethyl methacrylate	10.67	69	127072	51.341	ug/l	99
57) 1,3-Dichloropropane	10.95	76	190833	50.247	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	336871	265.316	ug/l	99
59) 2-Hexanone	10.99	43	219292	249.465	ug/l	95
60) Dibromochloromethane	11.14	129	170934	49.114	ug/l	98
61) 1,2-Dibromoethane	11.25	107	115978	49.295	ug/l	100
64) Tetrachloroethene	10.88	164	163437	47.109	ug/l	97
65) Chlorobenzene	11.68	112	460220	50.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	184286	50.497	ug/l	99
67) Ethyl Benzene	11.75	91	787285	50.018	ug/l	99
68) m/p-Xylenes	11.86	106	608255	100.351	ug/l	99
69) o-Xylene	12.18	106	283733	50.551	ug/l	96
70) Styrene	12.20	104	489433	50.655	ug/l	99
71) Bromoform	12.36	173	98900	50.445	ug/l #	99
73) Isopropylbenzene	12.48	105	787661	50.849	ug/l	100
74) N-amyl acetate	12.30	43	119288	50.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	115220	48.545	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	158733	93.835	ug/l #	100
77) Bromobenzene	12.77	156	189572	49.088	ug/l	99
78) n-propylbenzene	12.83	91	905501	50.453	ug/l	100
79) 2-Chlorotoluene	12.91	91	520050	49.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	688687	51.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	37774	50.638	ug/l	95
82) 4-Chlorotoluene	13.01	91	546626	49.484	ug/l	99
83) tert-Butylbenzene	13.23	119	569673	50.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	680903	51.179	ug/l	99
85) sec-Butylbenzene	13.41	105	778255	49.881	ug/l	100
86) p-Isopropyltoluene	13.53	119	740225	50.265	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	359164	48.319	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	359077	48.758	ug/l	99
89) n-Butylbenzene	13.85	91	660184	50.958	ug/l	99
90) Hexachloroethane	14.12	117	124470	48.435	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	315217	48.543	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20503	47.550	ug/l	94

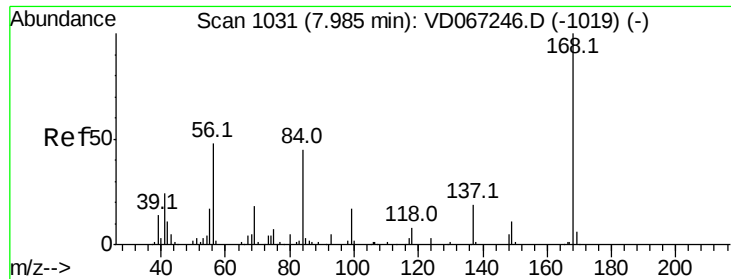
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224254	51.222	ug/l	97
94) Hexachlorobutadiene	15.28	225	135435	49.815	ug/l	98
95) Naphthalene	15.41	128	377273	52.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	195098	51.582	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

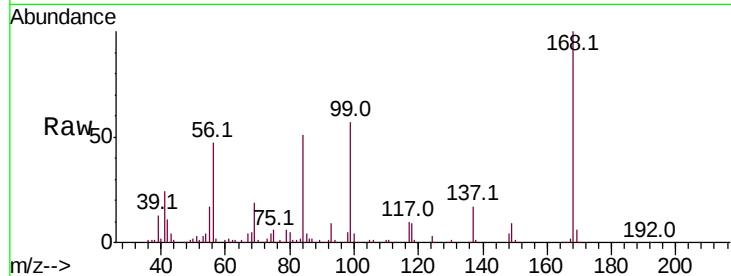
VSTDCCC050EC

Tot Ion:168 Resp: 345761

Ion Ratio Lower Upper

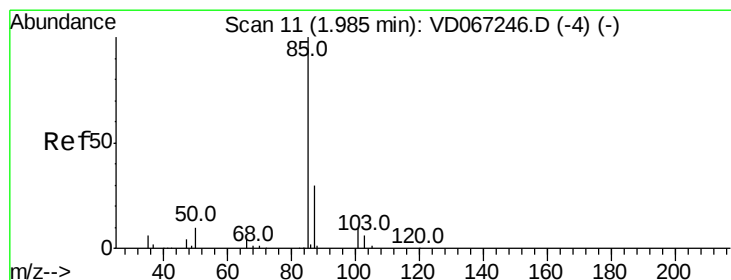
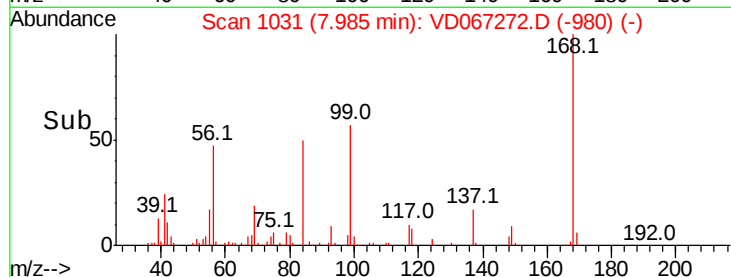
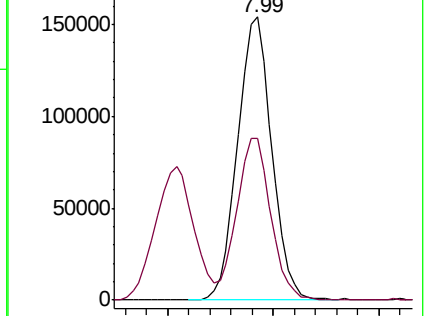
168 100

99 56.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.866 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067272.D

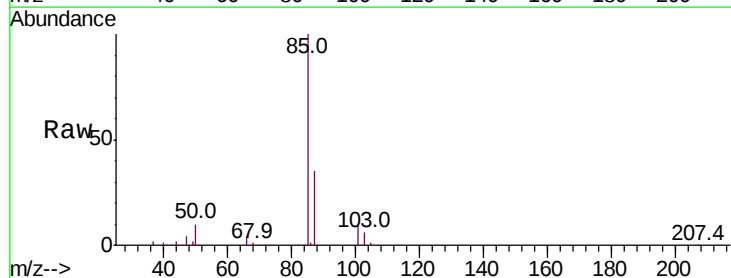
Acq: 14 Oct 2020 17:33

Tgt Ion: 85 Resp: 133366

Ion Ratio Lower Upper

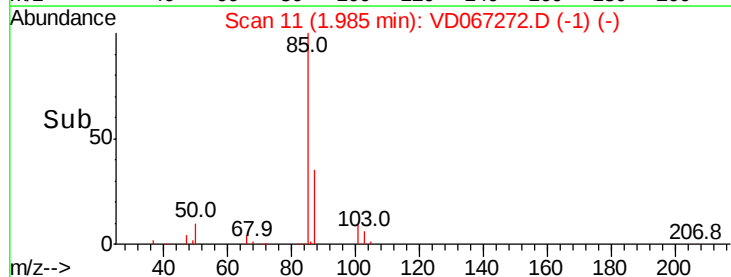
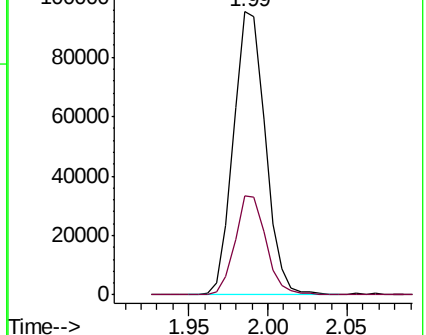
85 100

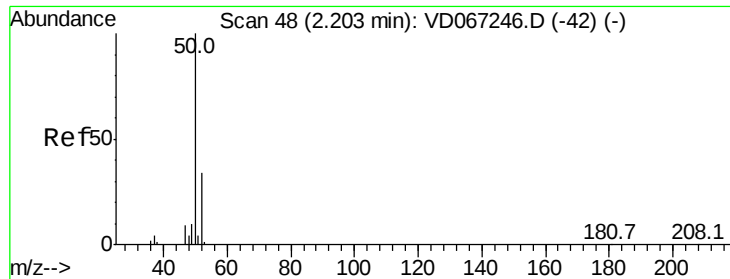
87 35.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.660 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

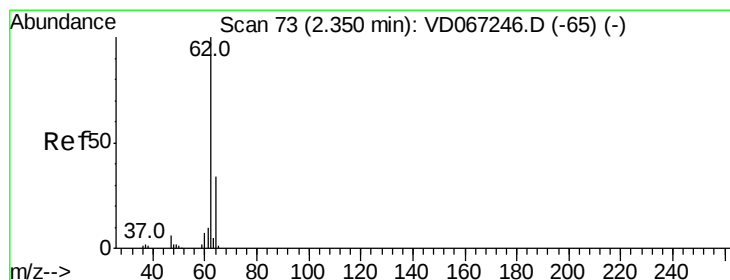
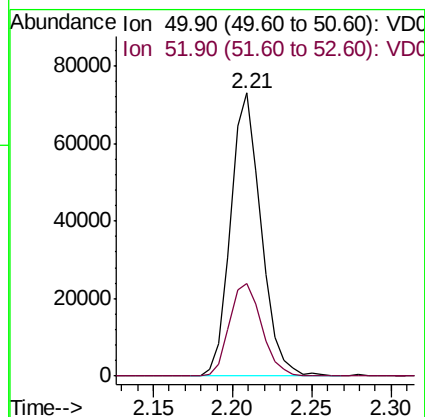
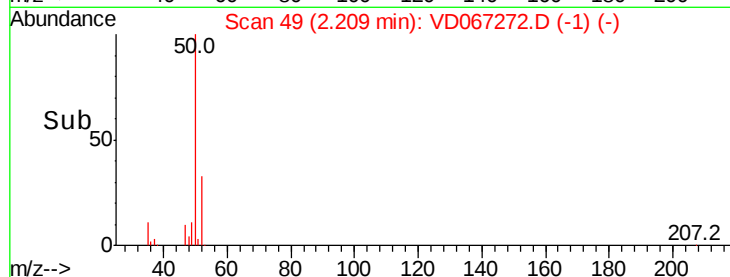
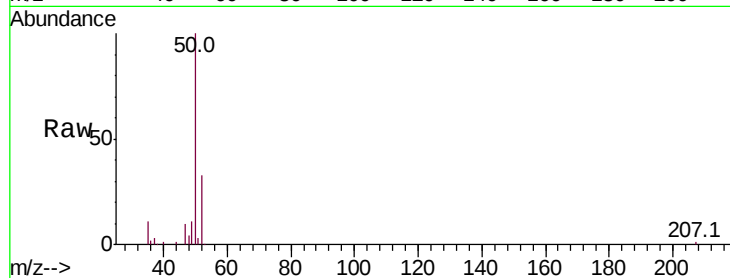
VSTDCCC050EC

Tot Ion: 50 Resp: 97183

Ion Ratio Lower Upper

50 100

52 32.6 27.1 40.7



#4

Vinyl Chloride

Concen: 46.435 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067272.D

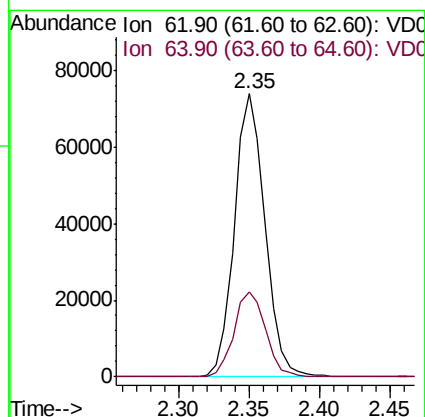
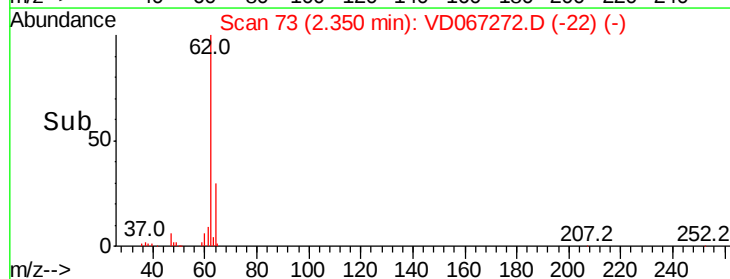
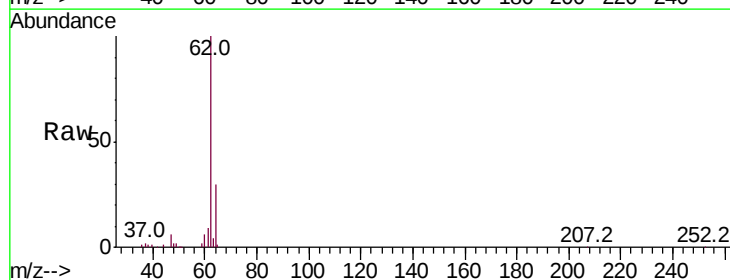
Acq: 14 Oct 2020 17:33

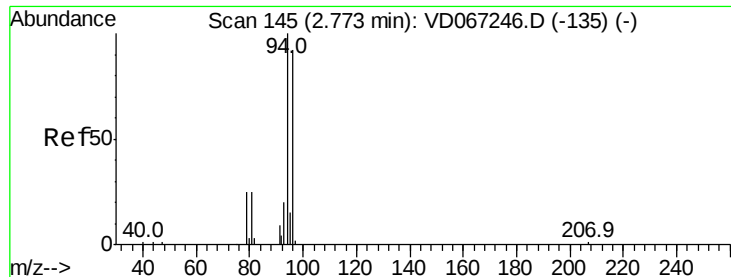
Tgt Ion: 62 Resp: 110868

Ion Ratio Lower Upper

62 100

64 30.0 27.4 41.0





#5

Bromomethane

Concen: 53.712 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

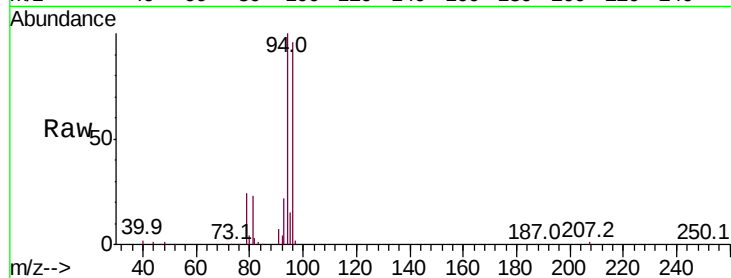
VSTDCCC050EC

Tot Ion: 94 Resp: 88951

Ion Ratio Lower Upper

94 100

96 96.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

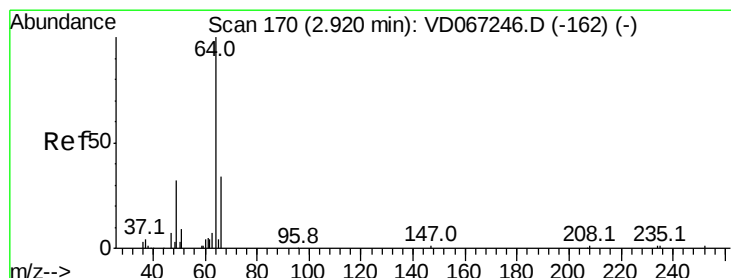
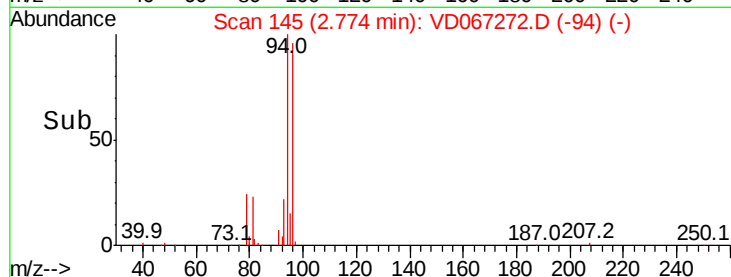
20000

10000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 46.303 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067272.D

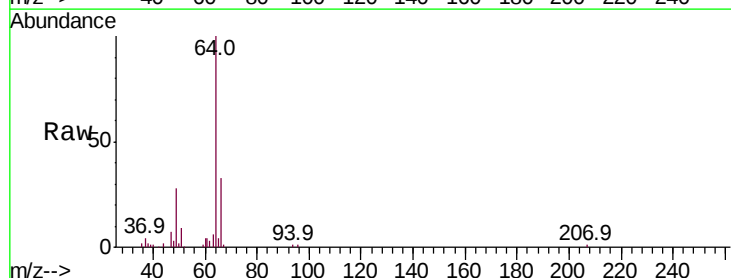
Acq: 14 Oct 2020 17:33

Tgt Ion: 64 Resp: 68850

Ion Ratio Lower Upper

64 100

66 33.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

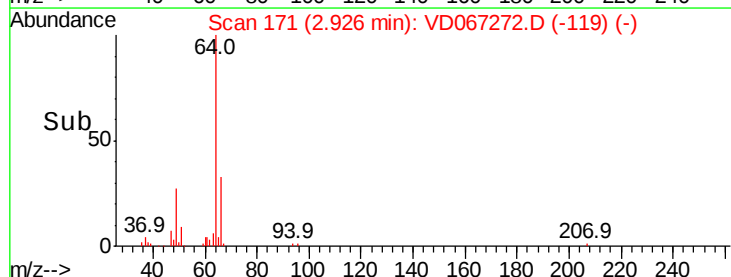
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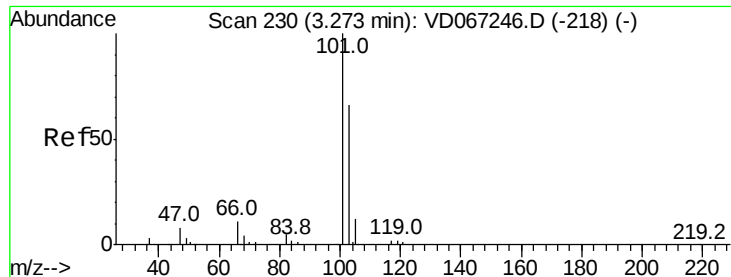
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0

2.85 2.90 2.95 3.00

Time-->



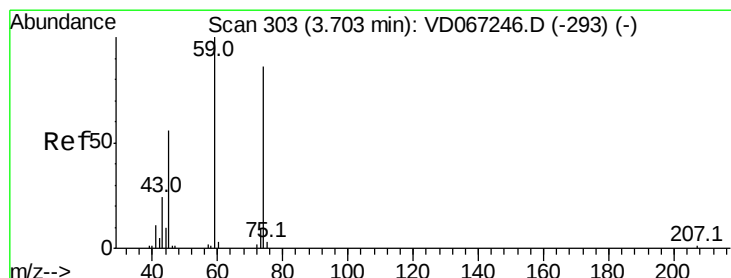
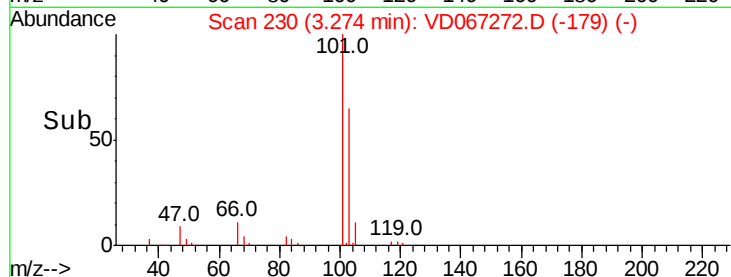
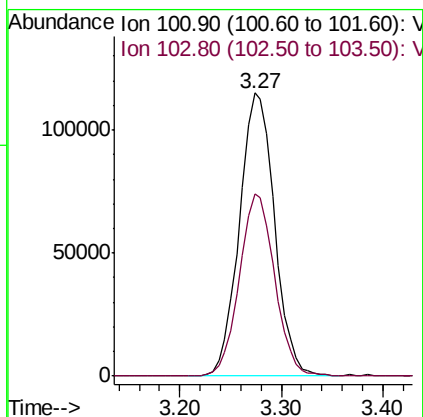
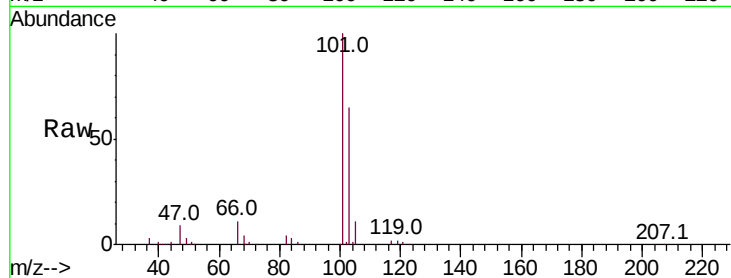


#7

Trichlorofluoromethane
 Concen: 45.997 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

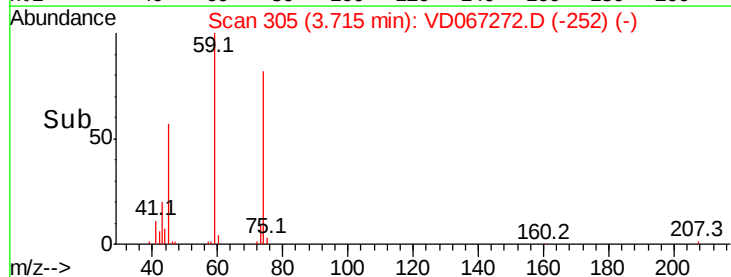
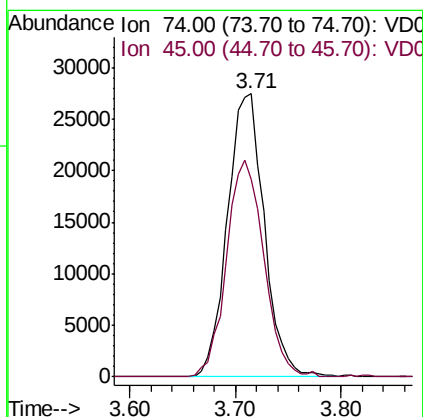
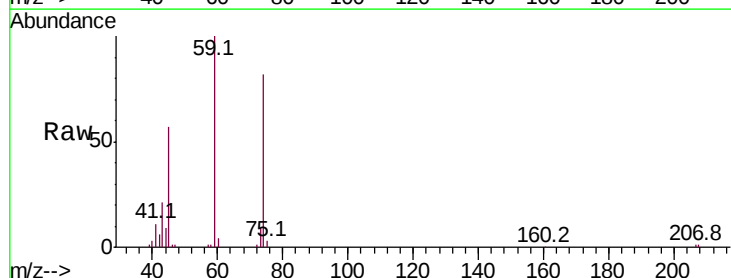
Tot Ion:101 Resp: 276542
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.1 79.7

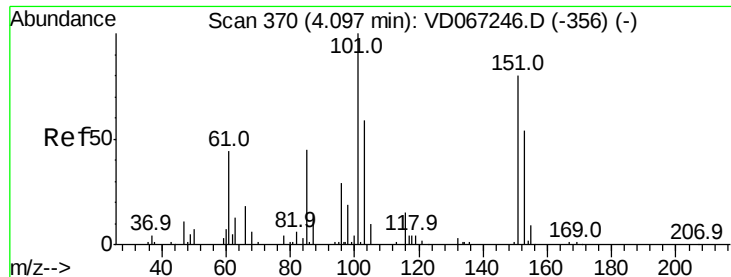


#8

Diethyl Ether
 Concen: 48.166 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 74 Resp: 66264
 Ion Ratio Lower Upper
 74 100
 45 77.5 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.597 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

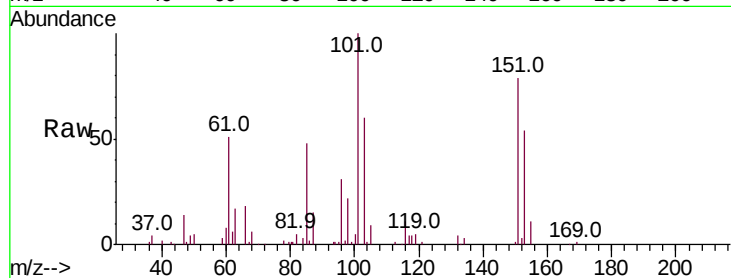
Tot Ion:101 Resp: 148841

Ion Ratio Lower Upper

101 100

85 44.7 34.2 51.4

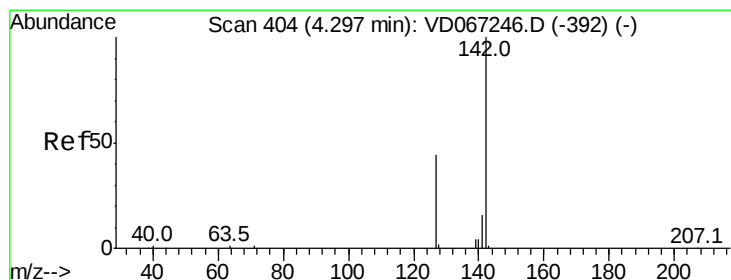
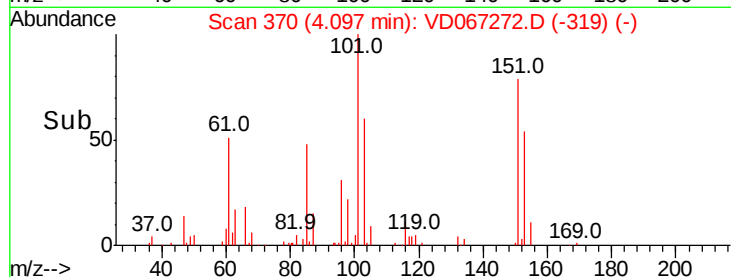
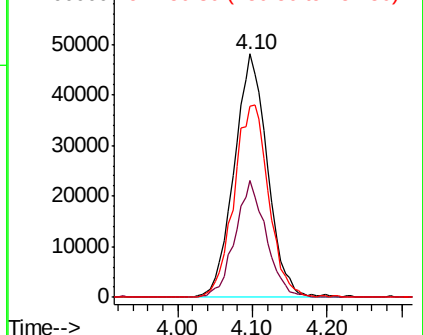
151 82.4 66.3 99.5



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: 49.984 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

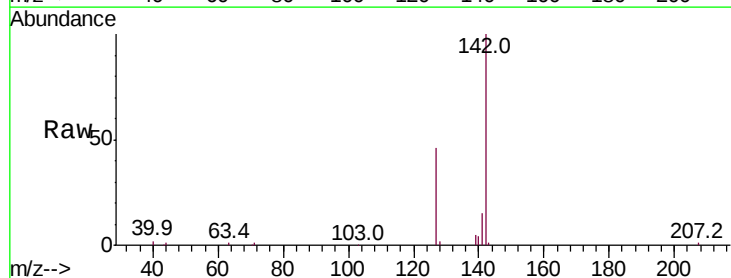
Tgt Ion:142 Resp: 147281

Ion Ratio Lower Upper

142 100

127 48.2 38.4 57.6

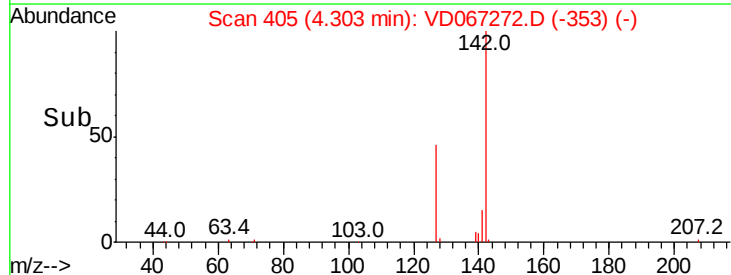
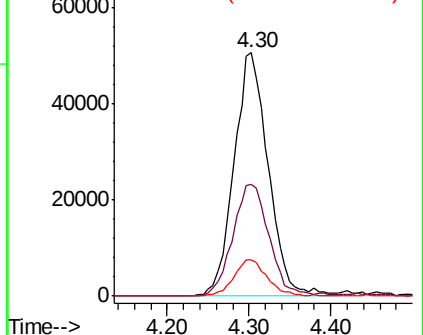
141 14.6 11.6 17.4

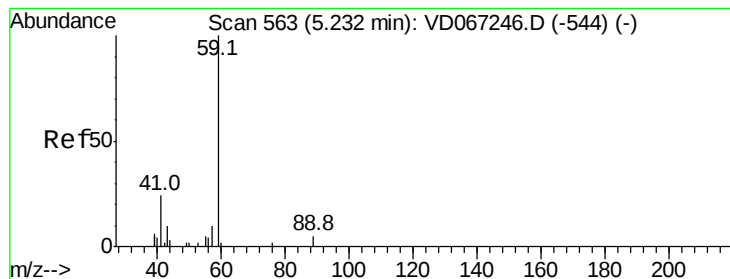


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



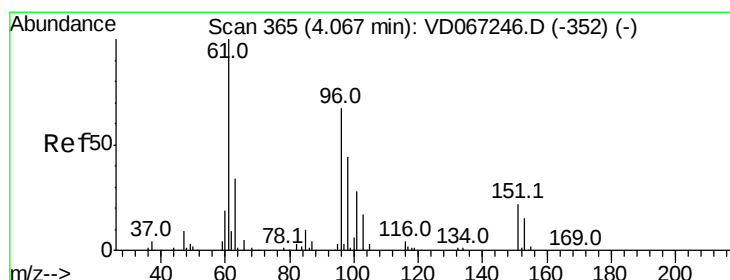
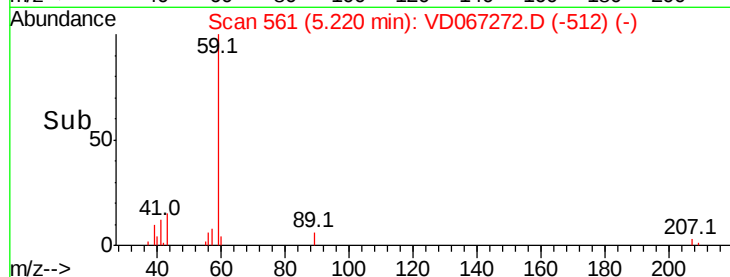
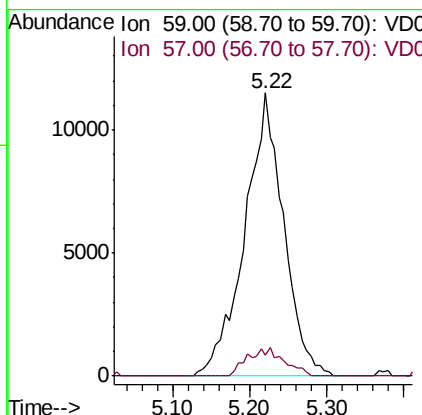
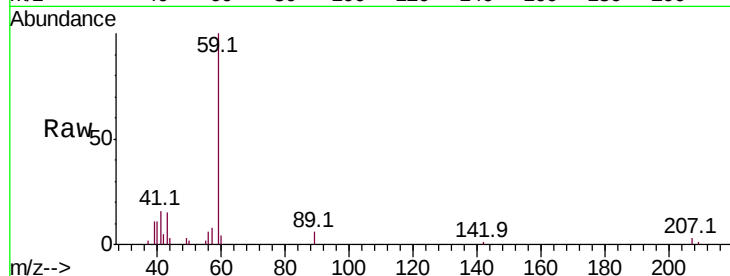


#11

Tert butyl alcohol
 Concen: 219.921 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

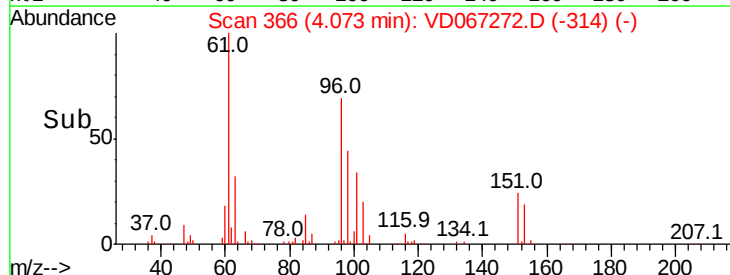
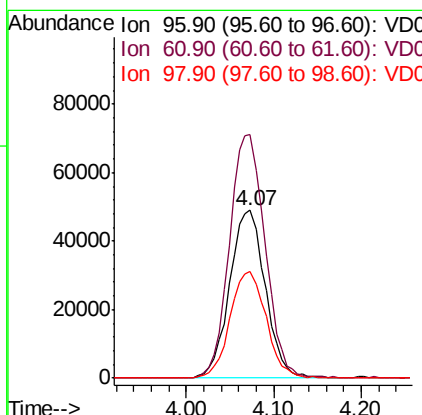
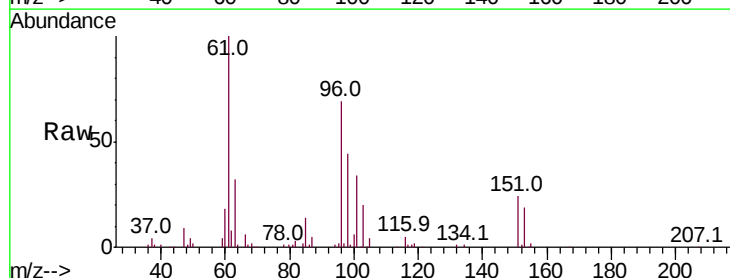
Tot Ion: 59 Resp: 40595
 Ion Ratio Lower Upper
 59 100
 57 9.4 5.1 7.7#

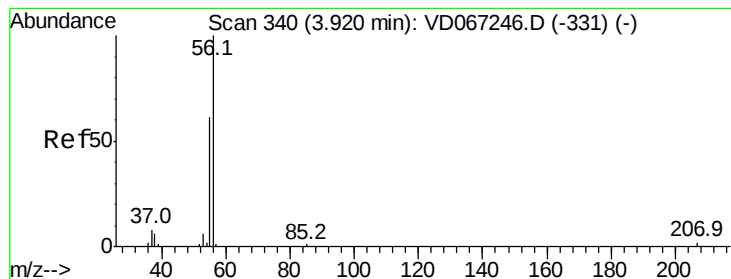


#12

1,1-Dichloroethene
 Concen: 47.504 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 96 Resp: 135559
 Ion Ratio Lower Upper
 96 100
 61 145.0 118.6 177.8
 98 63.5 51.8 77.6





#13

Acrolein

Concen: 215.949 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

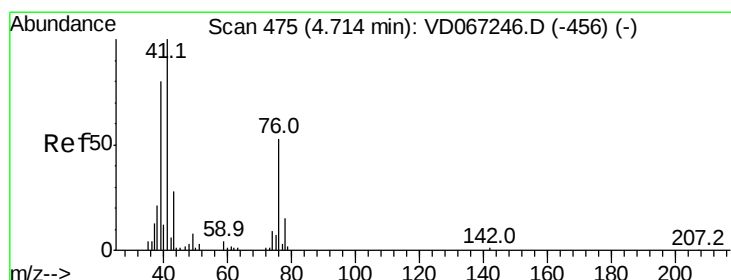
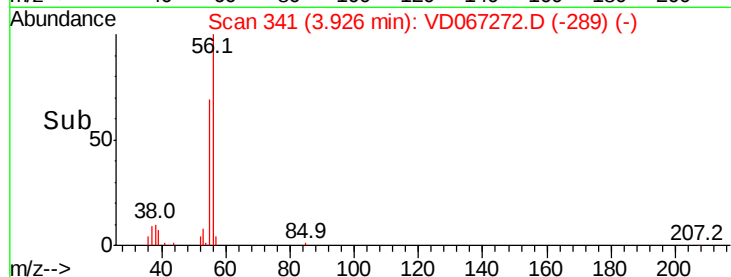
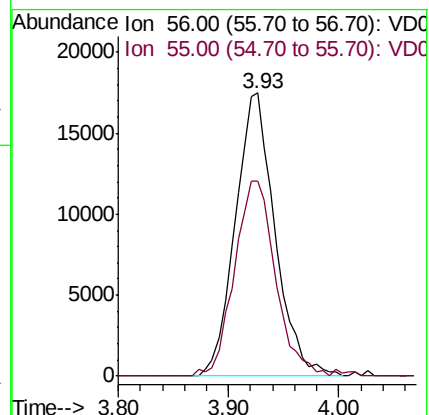
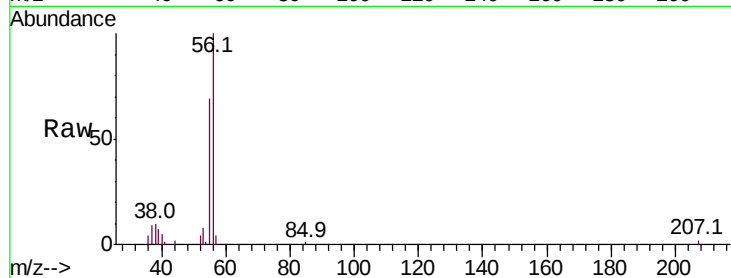
VSTDCCC050EC

Tot Ion: 56 Resp: 44039

Ion Ratio Lower Upper

56 100

55 71.4 56.0 84.0



#14

Allyl chloride

Concen: 48.648 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

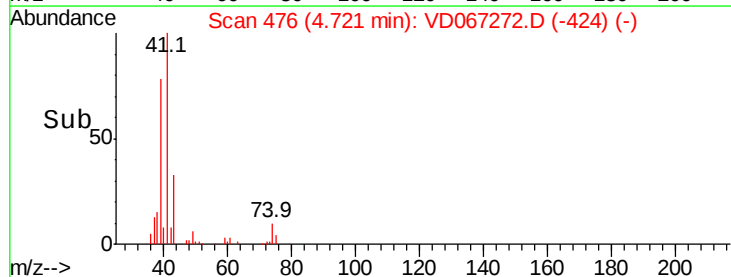
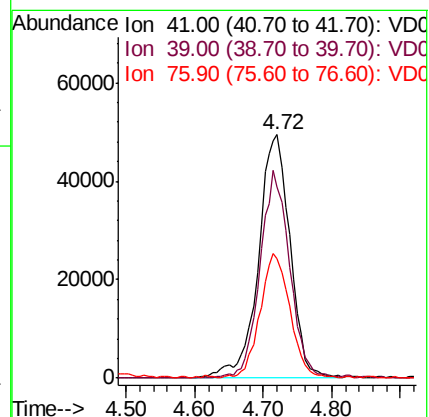
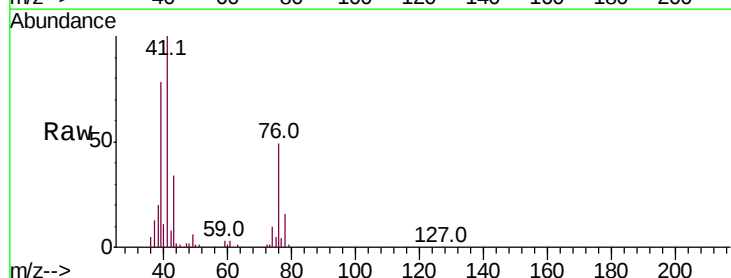
Tgt Ion: 41 Resp: 158978

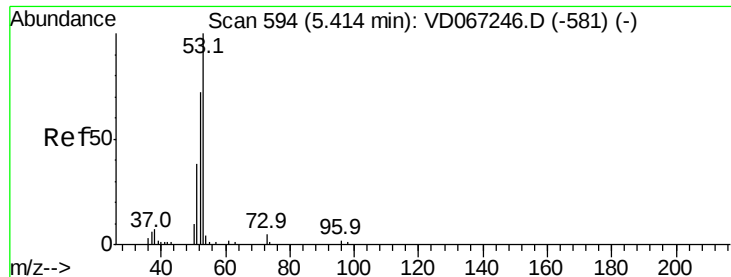
Ion Ratio Lower Upper

41 100

39 79.8 63.8 95.6

76 48.6 40.4 60.6





#15

Acrylonitrile

Concen: 249.956 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

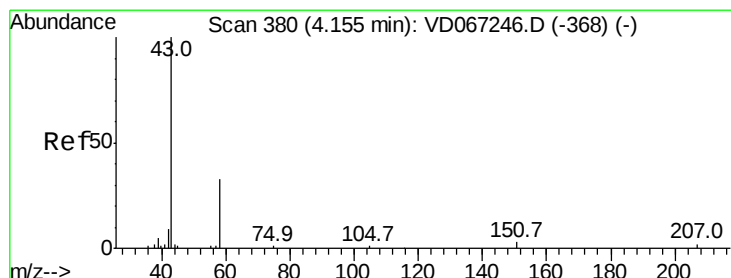
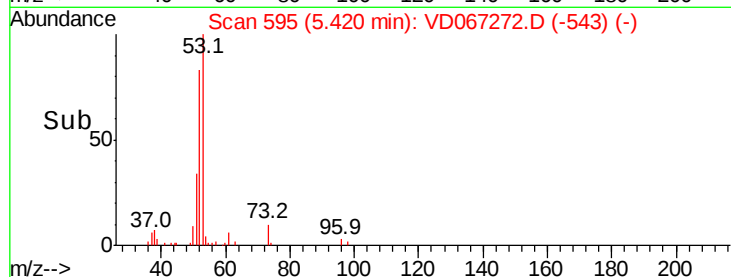
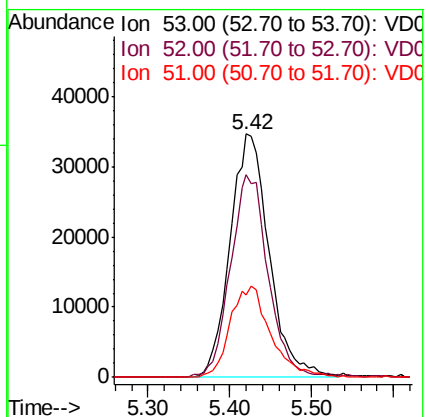
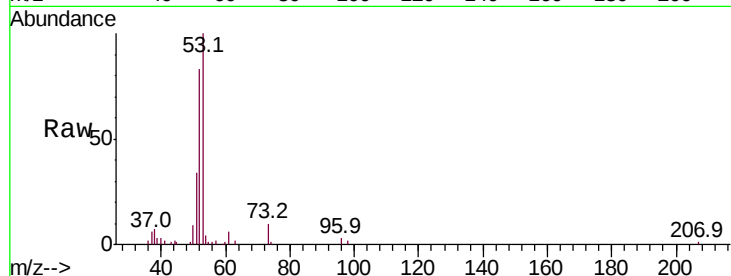
Tot Ion: 53 Resp: 114741

Ion Ratio Lower Upper

53 100

52 80.2 65.6 98.4

51 38.8 30.8 46.2



#16

Acetone

Concen: 225.127 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067272.D

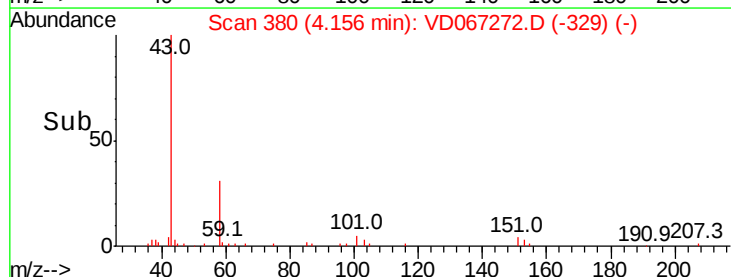
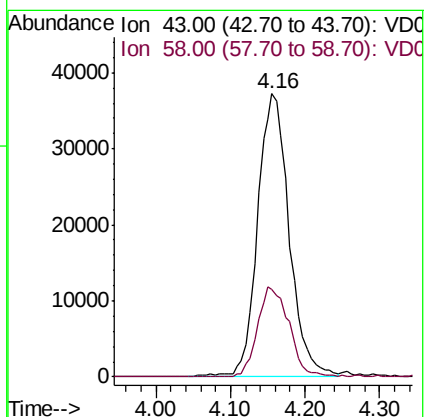
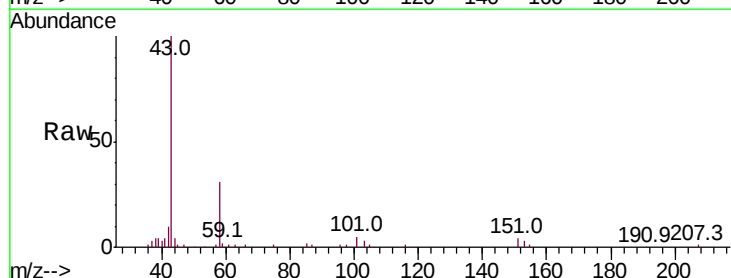
Acq: 14 Oct 2020 17:33

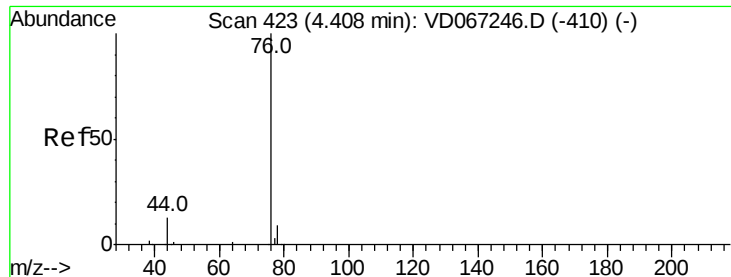
Tgt Ion: 43 Resp: 109217

Ion Ratio Lower Upper

43 100

58 30.7 26.1 39.1

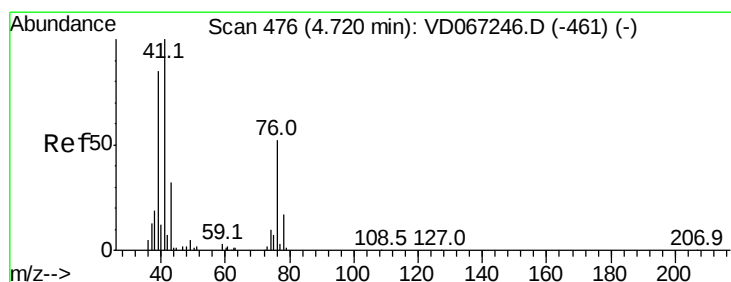
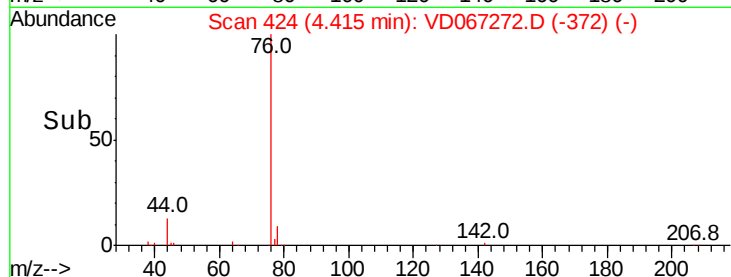
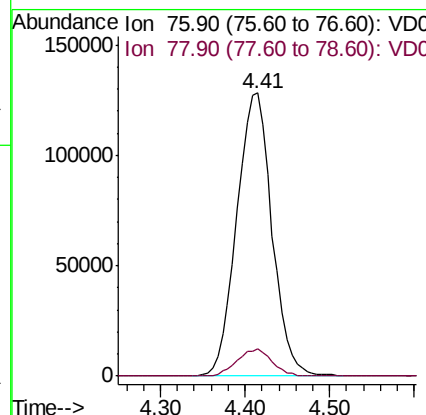
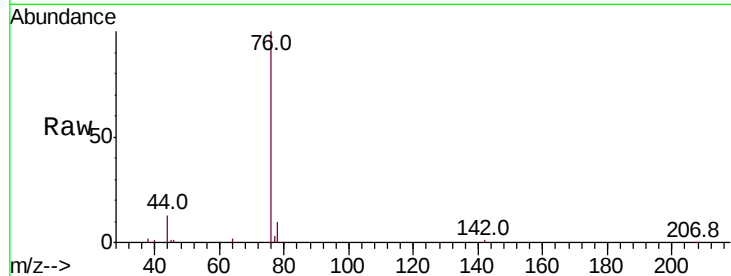




#17
Carbon Disulfide
Concen: 45.409 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

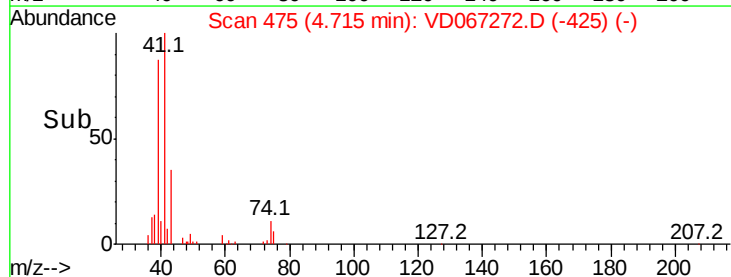
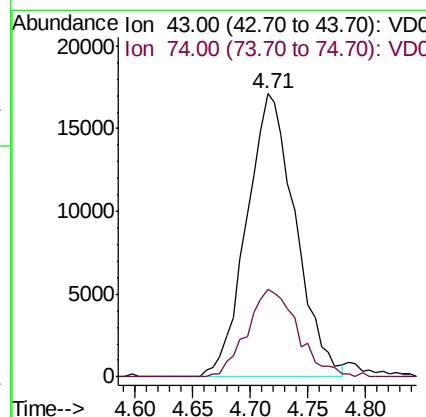
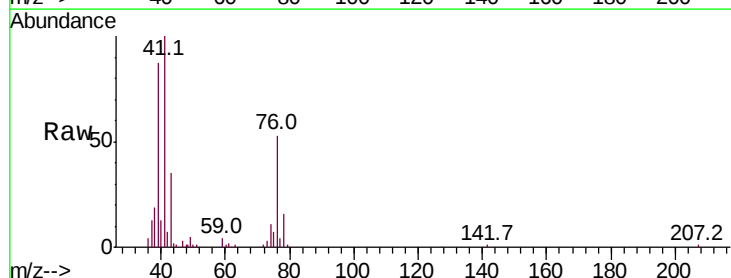
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

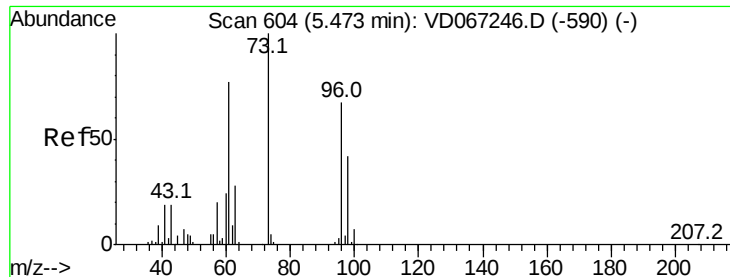
Tot Ion: 76 Resp: 369409
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 45.420 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion: 43 Resp: 50259
Ion Ratio Lower Upper
43 100
74 32.3 26.6 39.8



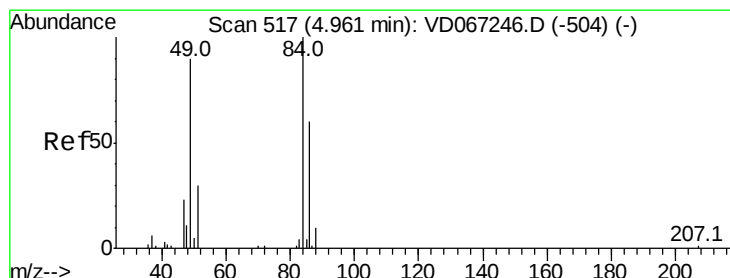
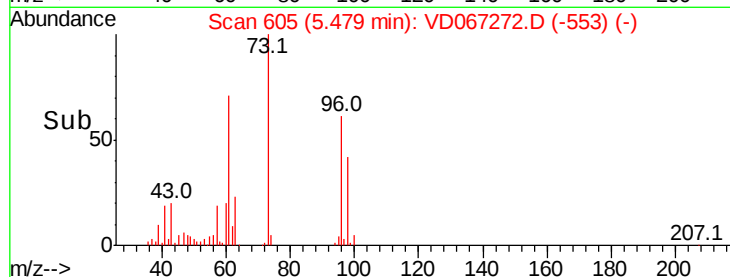
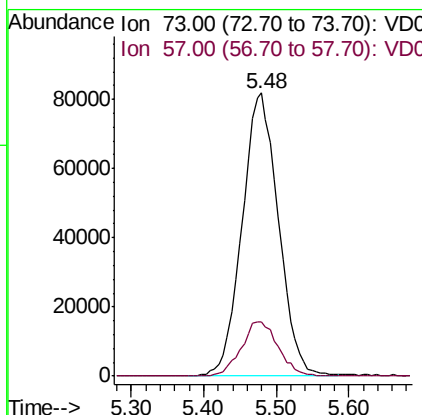
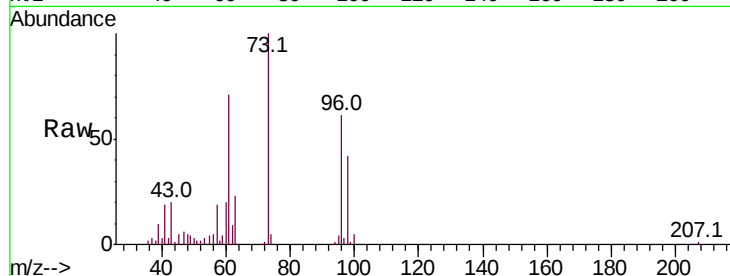


#19

Methyl tert-butyl Ether
 Concen: 50.340 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

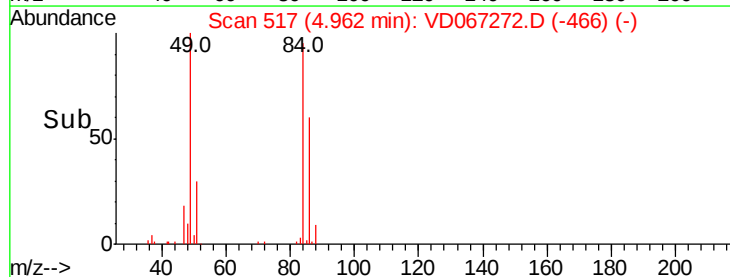
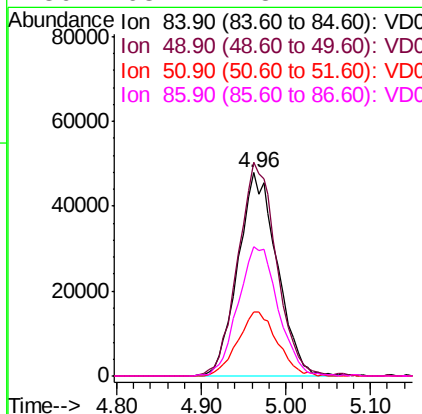
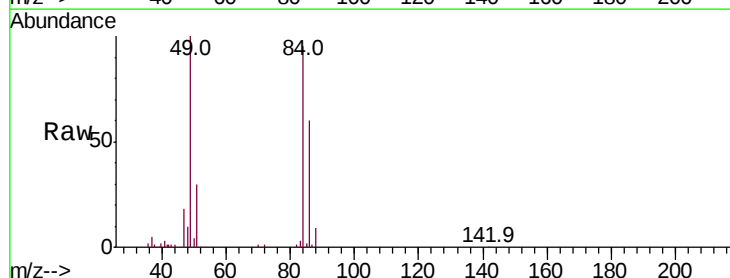
Tot Ion: 73 Resp: 285636
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.7 23.5

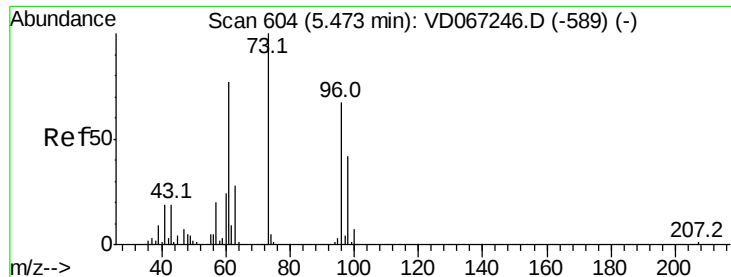


#20

Methylene Chloride
 Concen: 49.577 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 84 Resp: 154181
 Ion Ratio Lower Upper
 84 100
 49 105.0 72.2 108.2
 51 31.7 23.8 35.8
 86 63.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 48.156 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

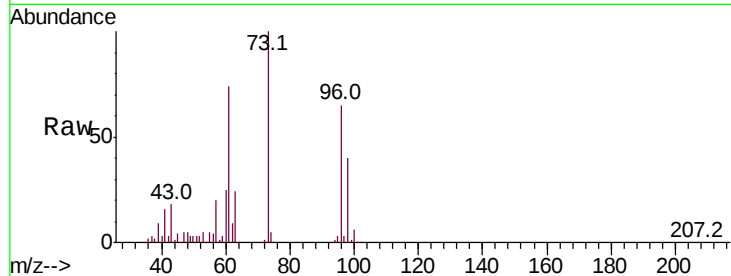
Tot Ion: 96 Resp: 158138

Ion Ratio Lower Upper

96 100

61 114.6 92.0 138.0

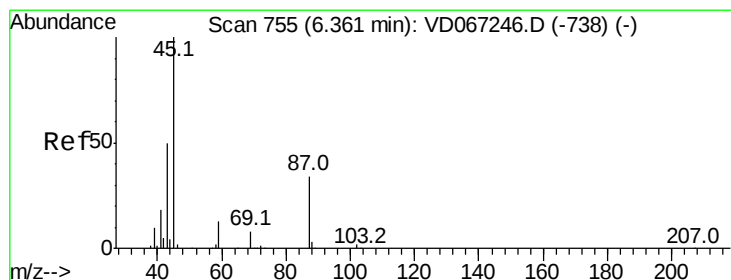
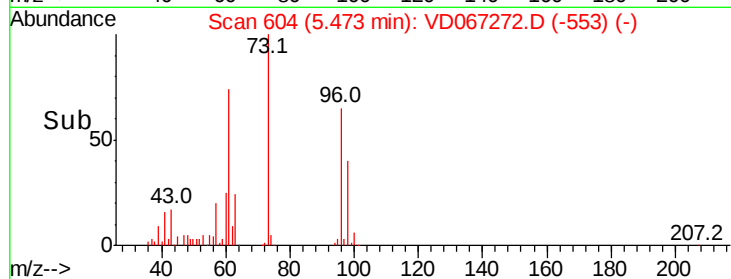
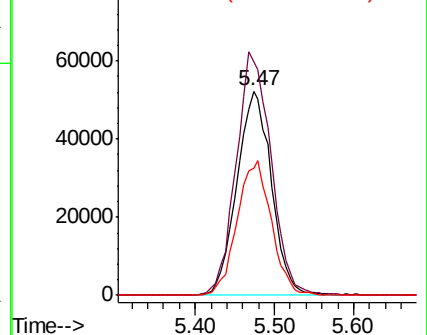
98 62.0 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.132 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Tgt Ion: 45 Resp: 305246

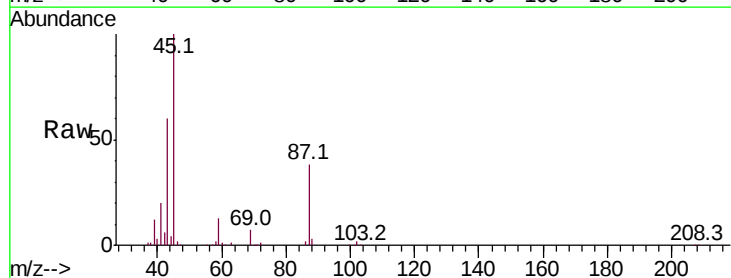
Ion Ratio Lower Upper

45 100

43 58.9 48.0 72.0

87 37.3 28.5 42.7

59 13.0 10.5 15.7

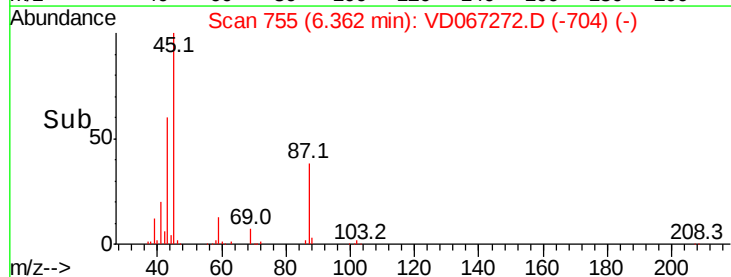
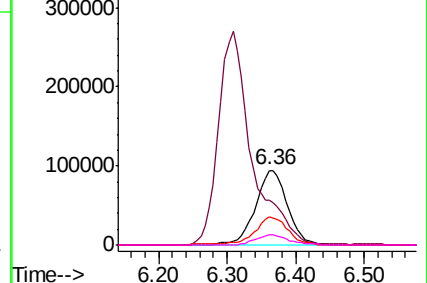


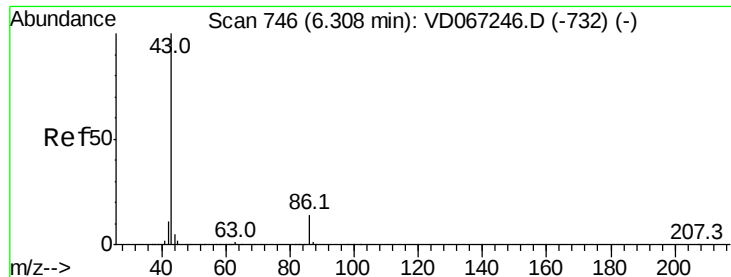
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 269.874 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

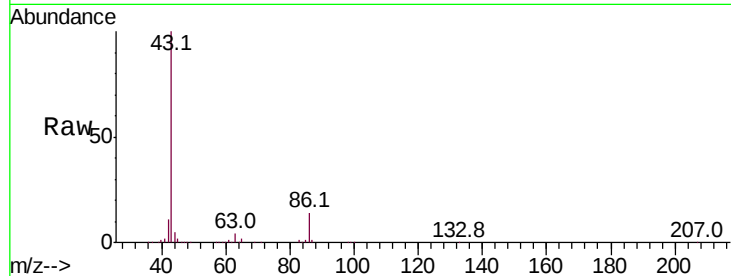
VSTDCCC050EC

Tot Ion: 43 Resp: 916577

Ion Ratio Lower Upper

43 100

86 14.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

300000

250000

200000

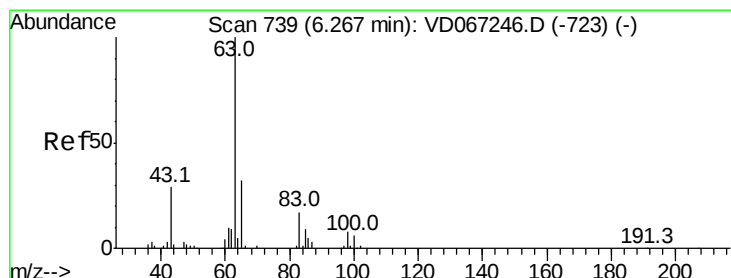
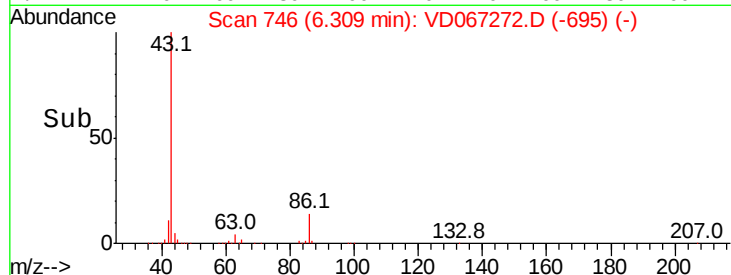
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 48.664 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

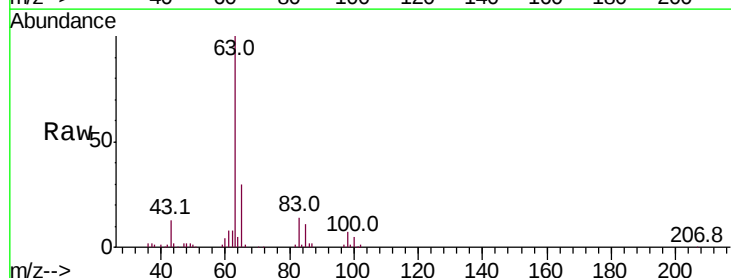
Tgt Ion: 63 Resp: 248681

Ion Ratio Lower Upper

63 100

98 6.8 4.0 12.2

100 4.9 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

100000

80000

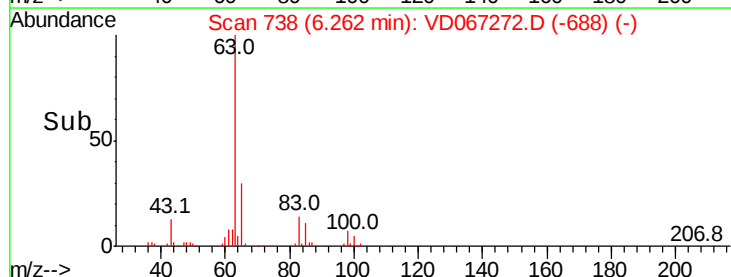
60000

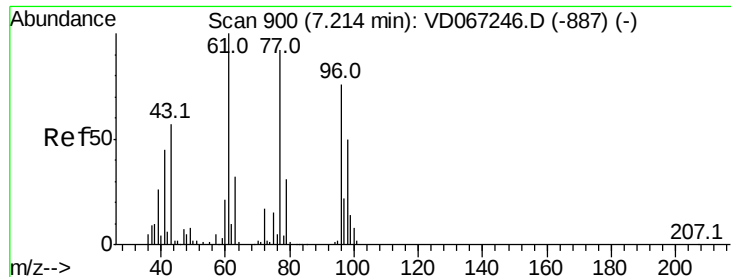
40000

20000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 246.588 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

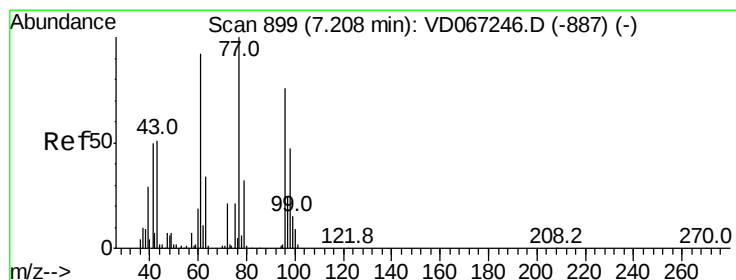
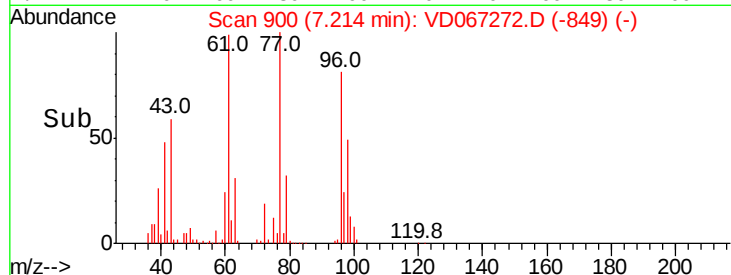
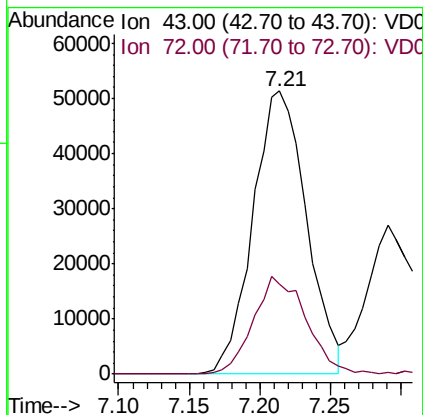
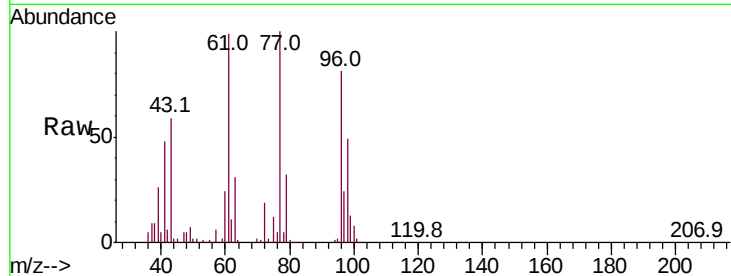
VSTDCCC050EC

Tot Ion: 43 Resp: 136364

Ion Ratio Lower Upper

43 100

72 32.0 23.7 35.5



#26

2,2-Dichloropropane

Concen: 47.751 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067272.D

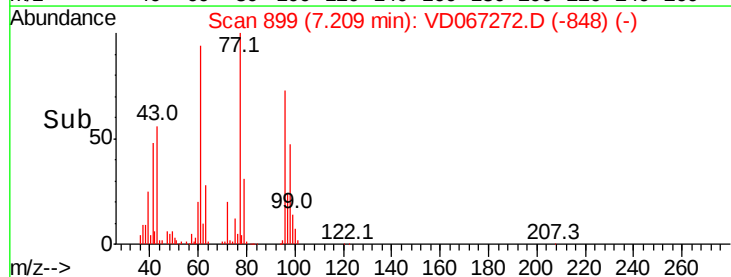
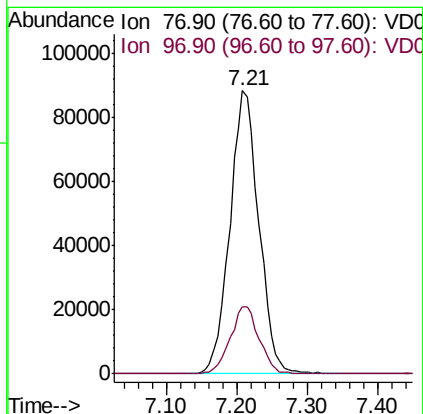
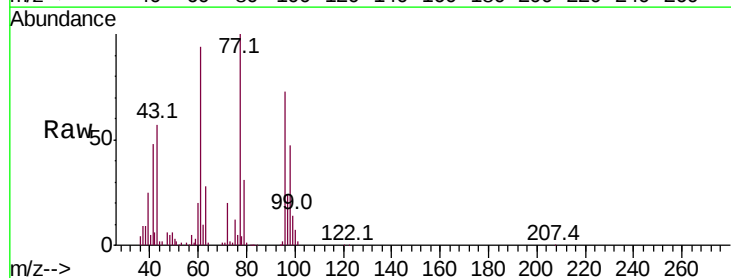
Acq: 14 Oct 2020 17:33

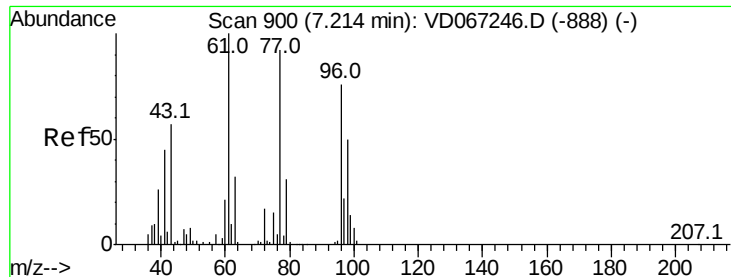
Tgt Ion: 77 Resp: 251513

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 49.709 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

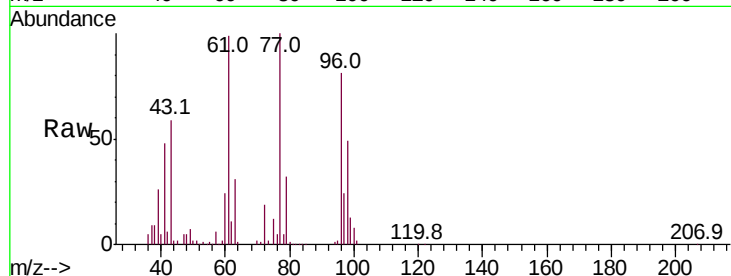
Tot Ion: 96 Resp: 178904

Ion Ratio Lower Upper

96 100

61 128.5 0.0 255.4

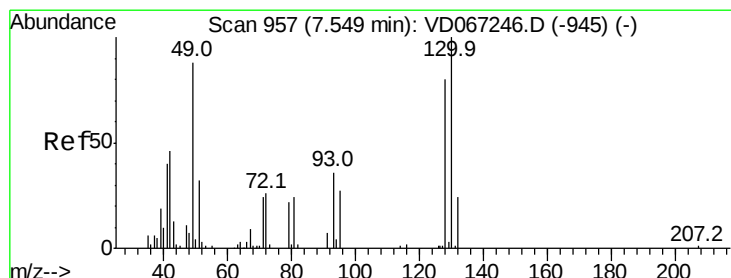
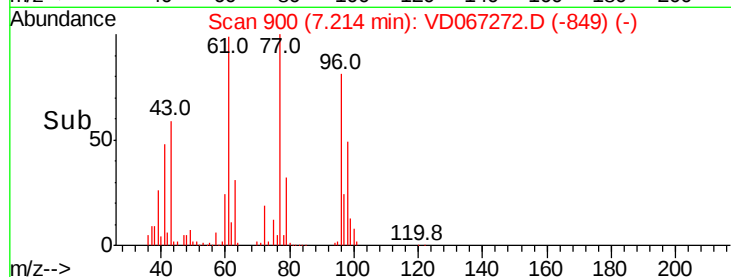
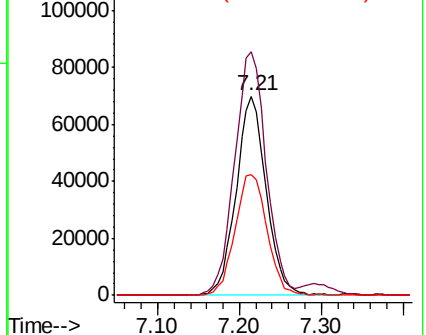
98 64.6 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 49.824 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

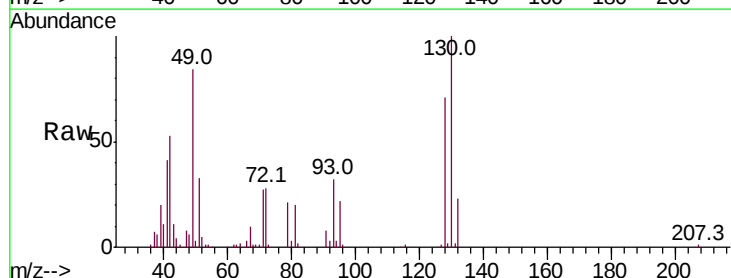
Tgt Ion: 49 Resp: 86843

Ion Ratio Lower Upper

49 100

129 1.3 0.0 1.6

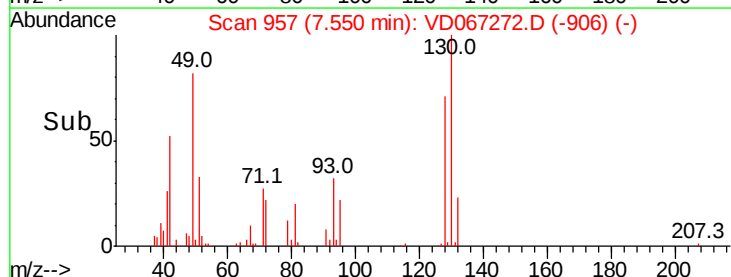
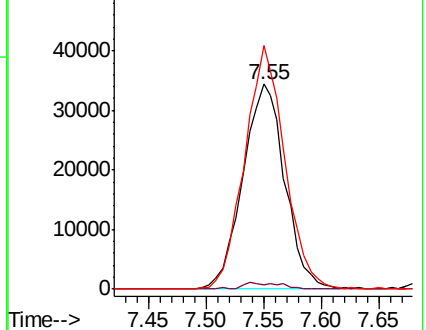
130 113.7 91.0 136.6

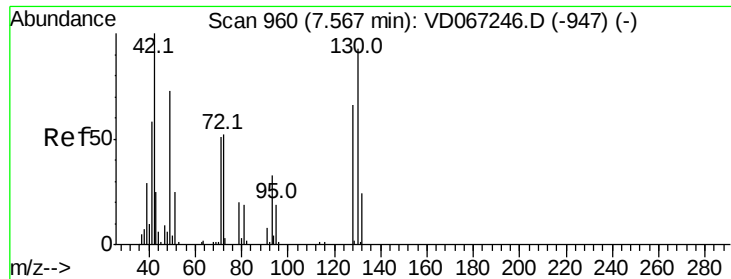


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 261.659 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

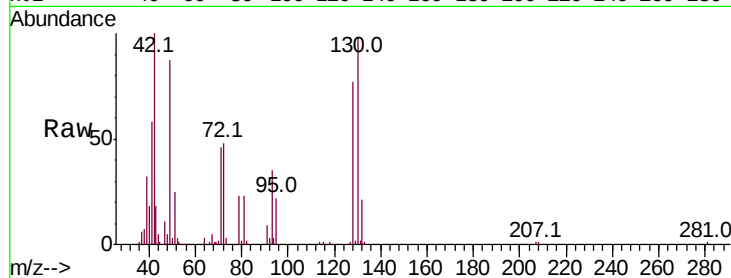
Tot Ion: 42 Resp: 80435

Ion Ratio Lower Upper

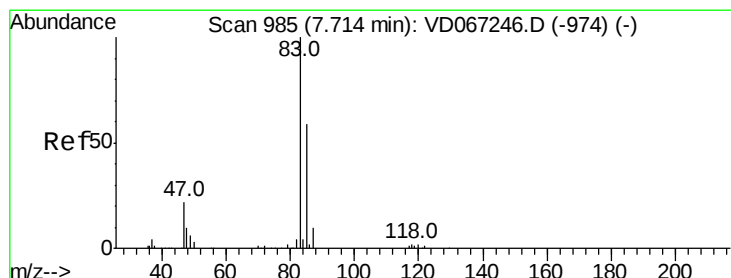
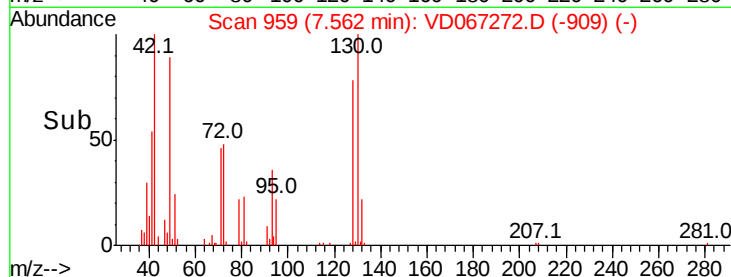
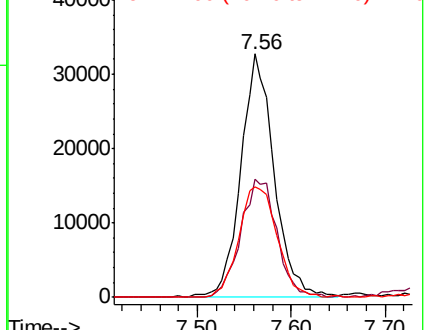
42 100

72 52.4 43.2 64.8

71 52.2 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.930 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067272.D

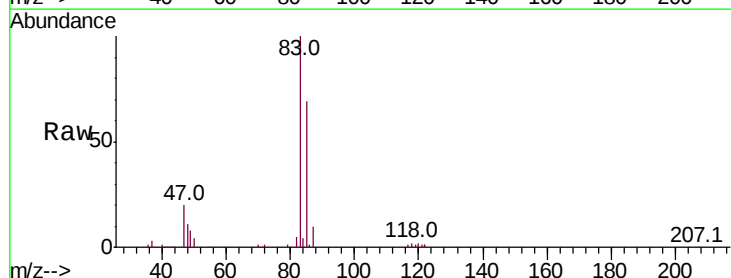
Acq: 14 Oct 2020 17:33

Tgt Ion: 83 Resp: 298695

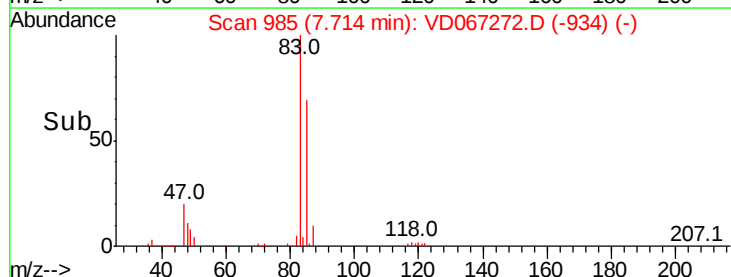
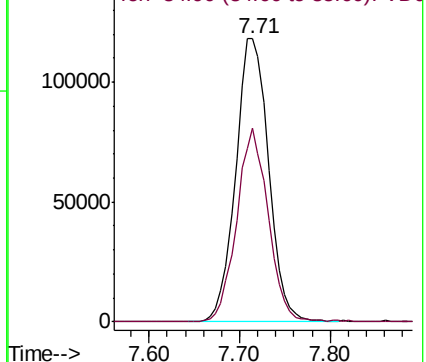
Ion Ratio Lower Upper

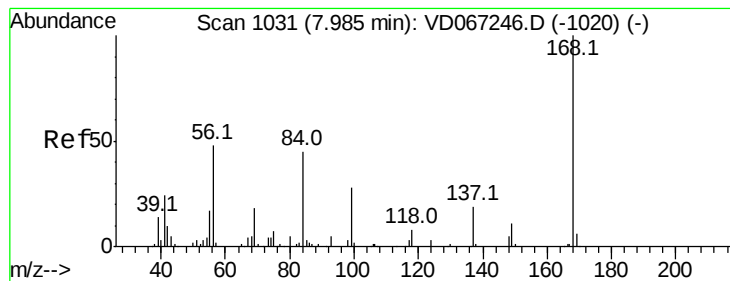
83 100

85 68.5 47.3 70.9



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





#31

Cyclohexane

Concen: 45.704 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

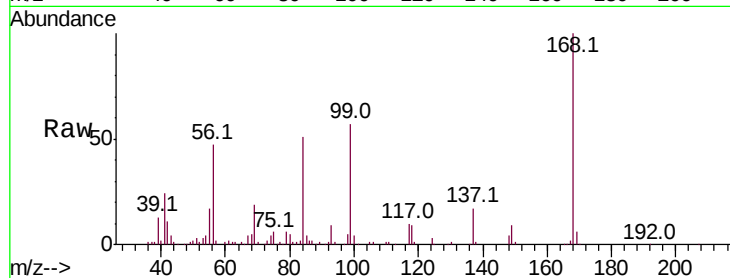
Tot Ion: 56 Resp: 182349

Ion Ratio Lower Upper

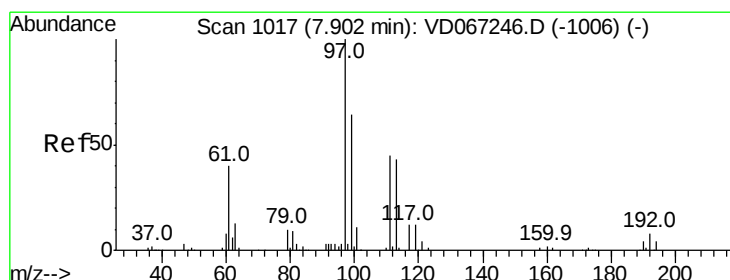
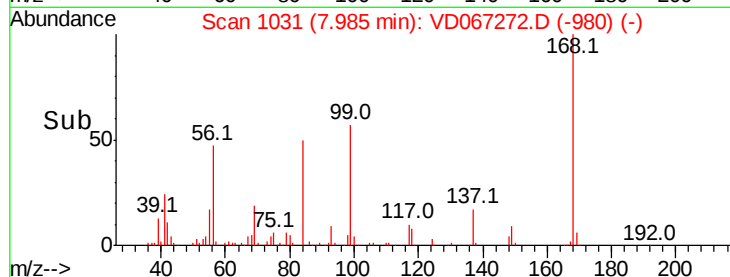
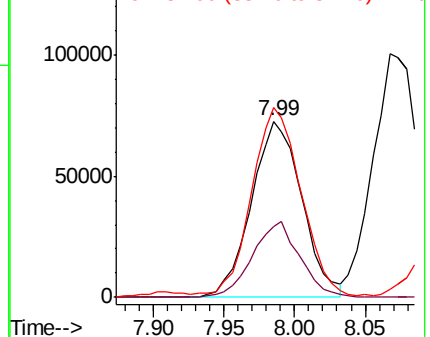
56 100

69 40.5 29.8 44.6

84 105.9 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: 48.424 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

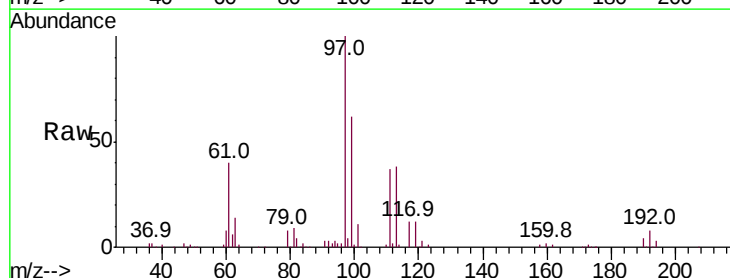
Tgt Ion: 97 Resp: 290038

Ion Ratio Lower Upper

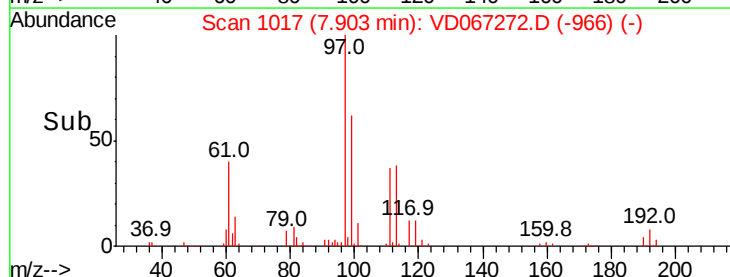
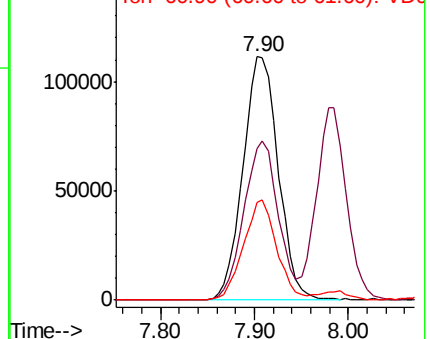
97 100

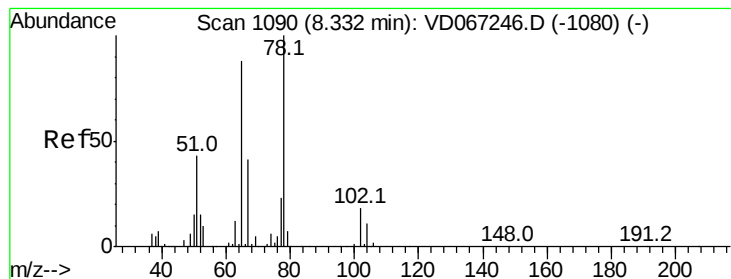
99 63.5 50.2 75.4

61 38.7 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: 47.427 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

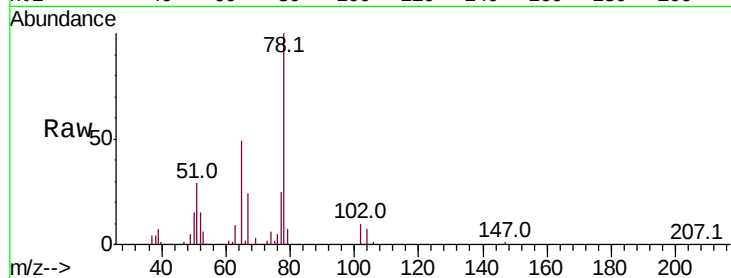
VSTDCCC050EC

Tot Ion: 65 Resp: 164288

Ion Ratio Lower Upper

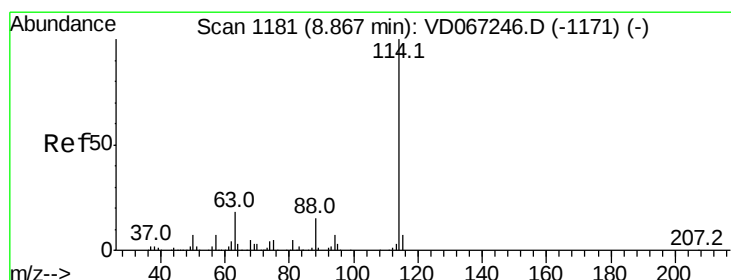
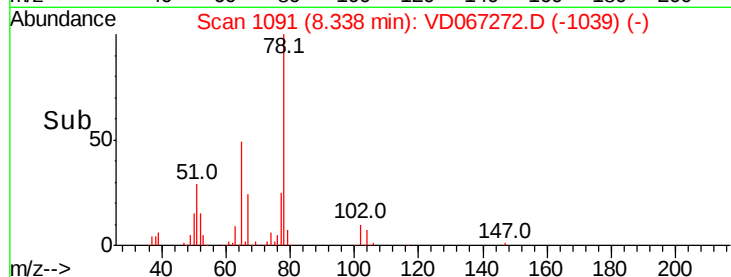
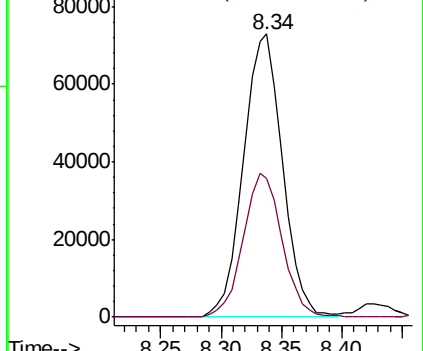
65 100

67 50.5 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: VD067272.D

Acq: 14 Oct 2020 17:33

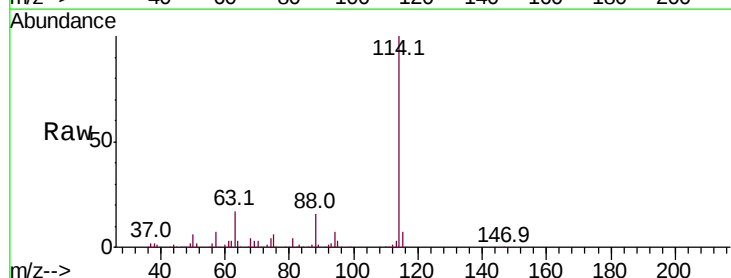
Tgt Ion: 114 Resp: 521244

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

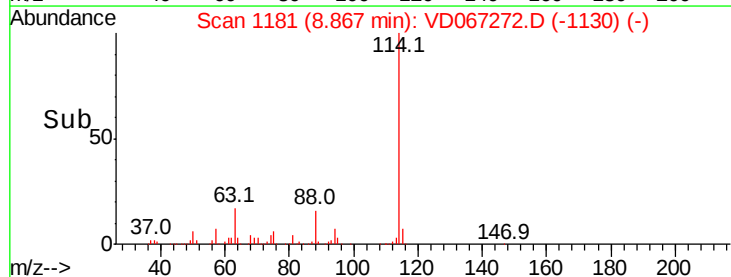
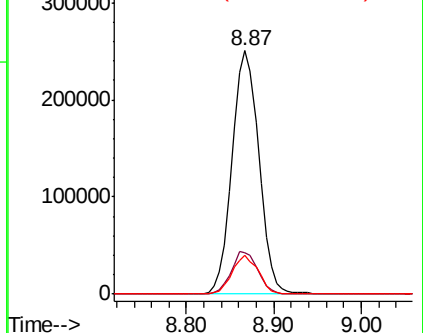
88 15.8 0.0 30.6

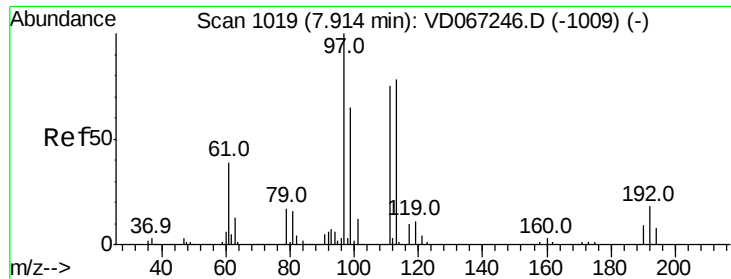


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

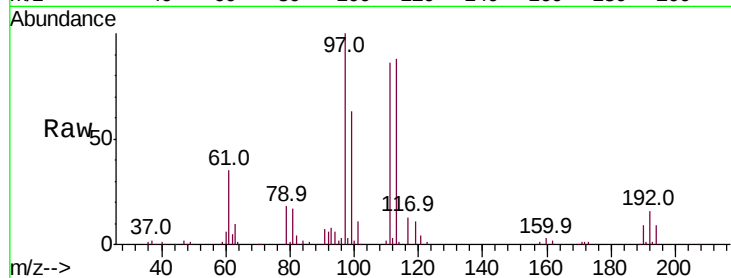




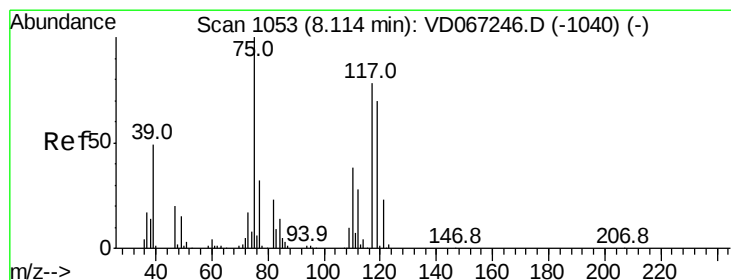
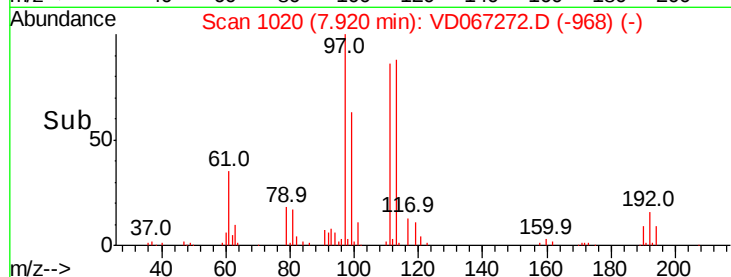
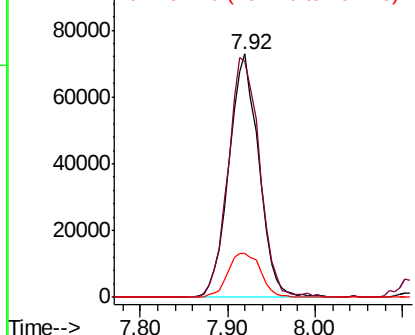
#35
 Dibromofluoromethane
 Concen: 48.941 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 169771
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 19.8 17.0 25.4

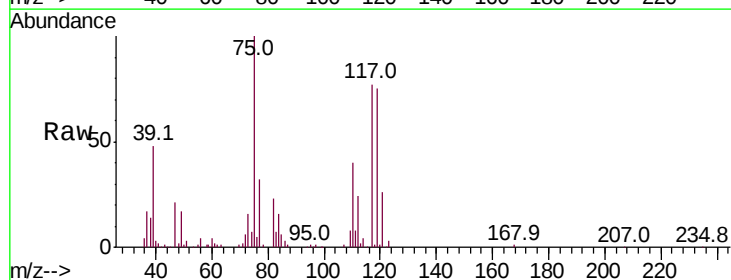


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

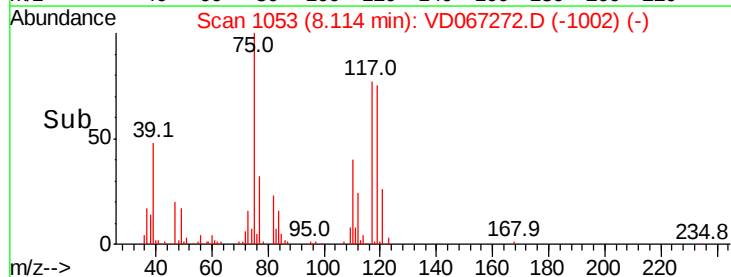
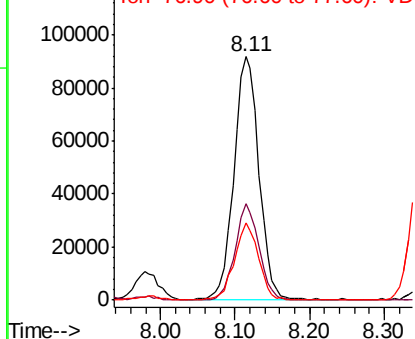


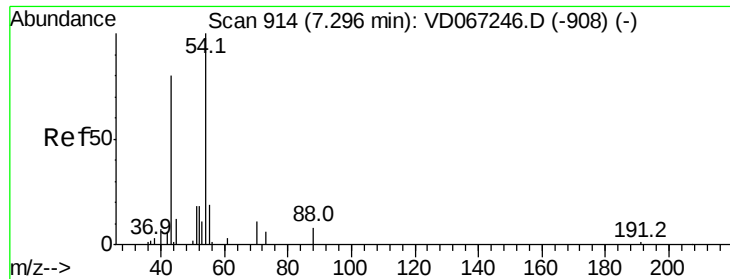
#36
 1,1-Dichloropropene
 Concen: 48.480 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 75 Resp: 214180
 Ion Ratio Lower Upper
 75 100
 110 37.5 19.6 58.7
 77 30.3 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

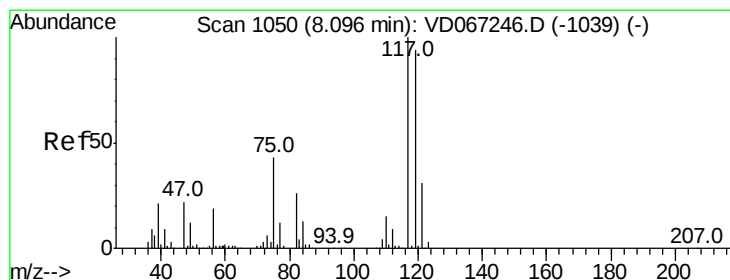
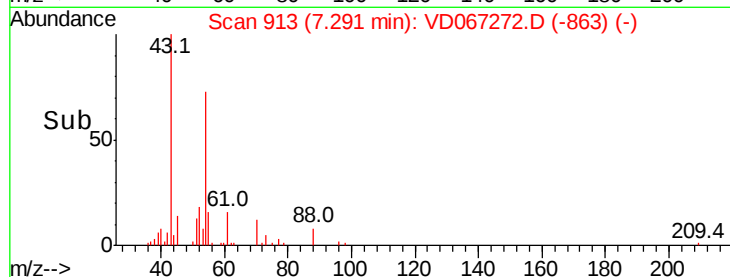
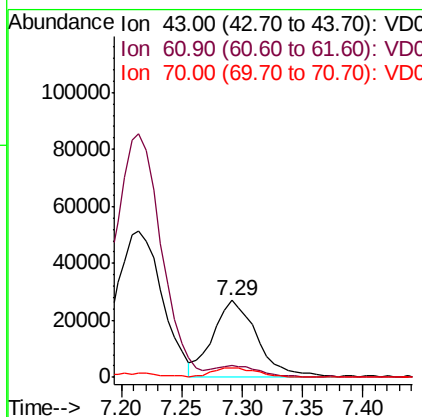
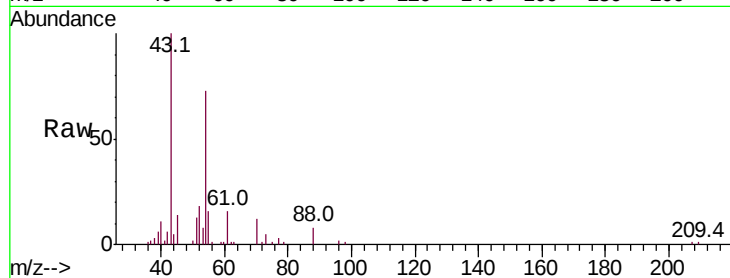




#37
Ethyl Acetate
Concen: 52.373 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

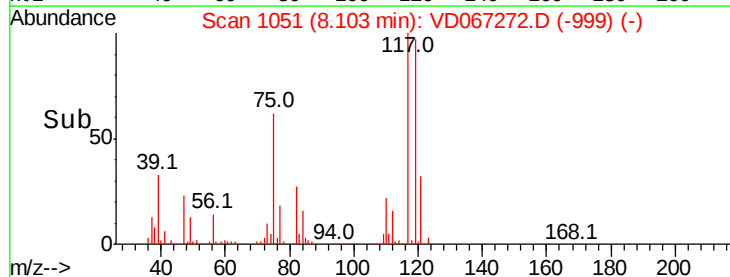
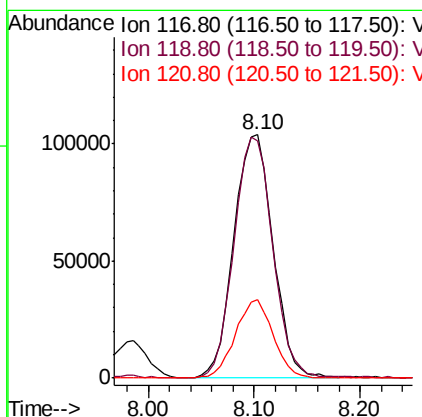
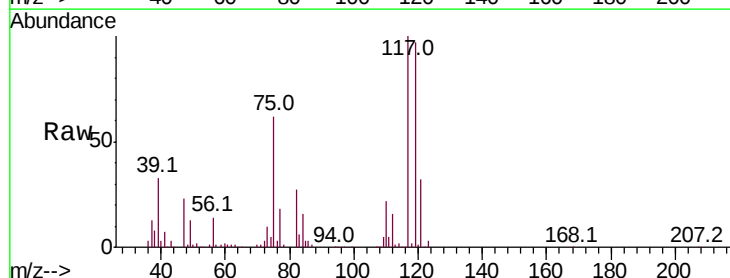
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

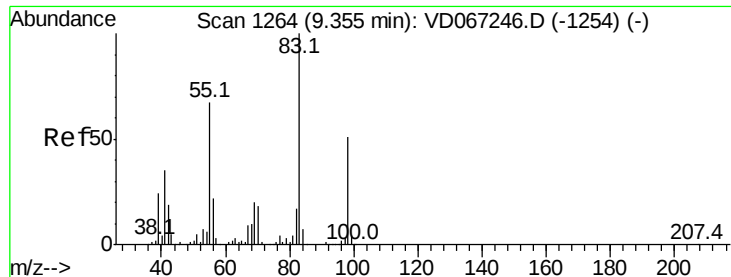
Tot Ion: 43 Resp: 68075
Ion Ratio Lower Upper
43 100
61 15.3 15.6 23.4#
70 12.6 10.4 15.6



#38
Carbon Tetrachloride
Concen: 47.087 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion: 117 Resp: 265875
Ion Ratio Lower Upper
117 100
119 97.6 75.0 112.4
121 32.5 24.9 37.3

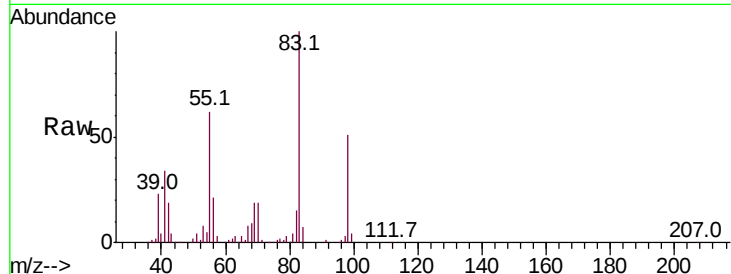




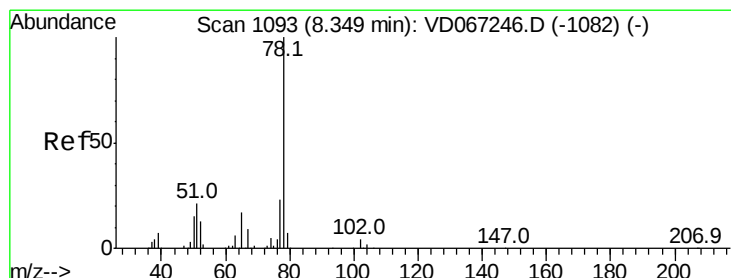
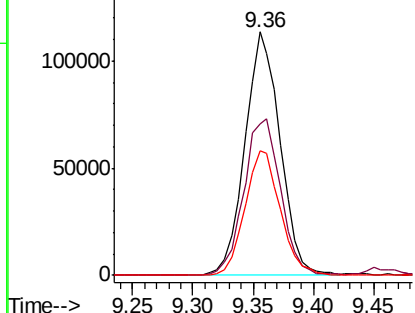
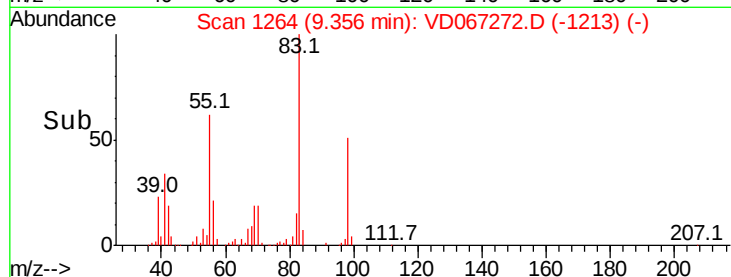
#39
Methvlcvclohexane
Concen: 50.010 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	230975
Ion Ratio	Lower	Upper	
83	100		
55	62.4	53.3	79.9
98	51.0	41.0	61.4

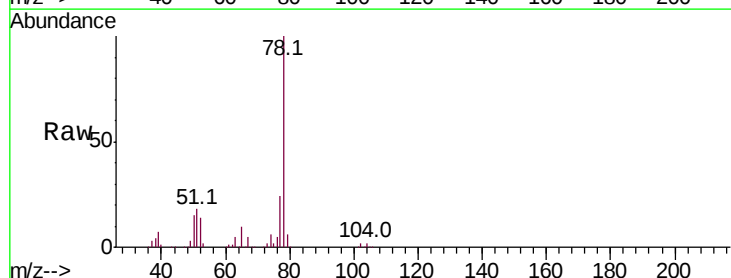


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

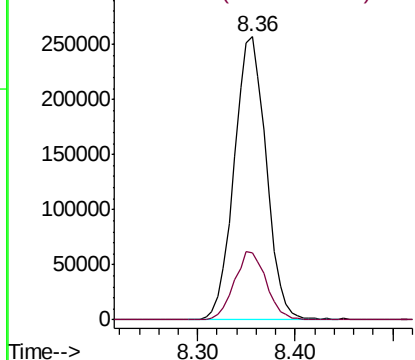
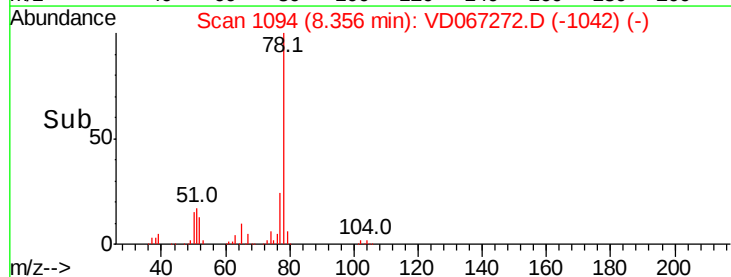


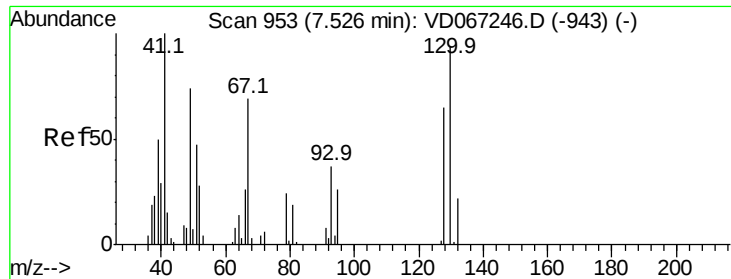
#40
Benzene
Concen: 48.538 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion	78	Resp	588277
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.3	27.5



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

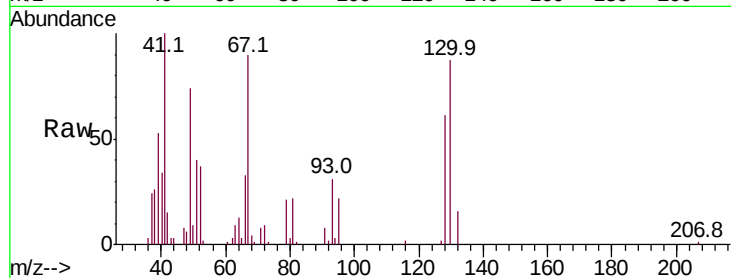




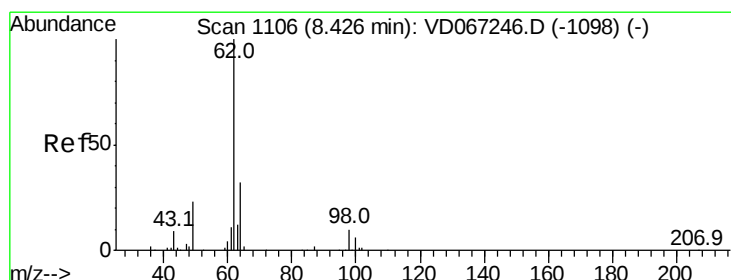
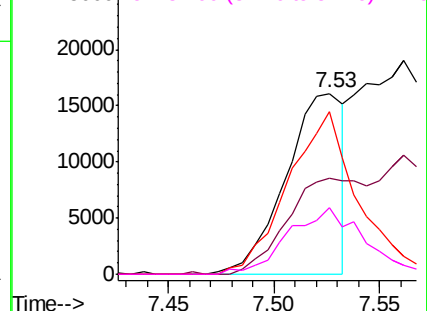
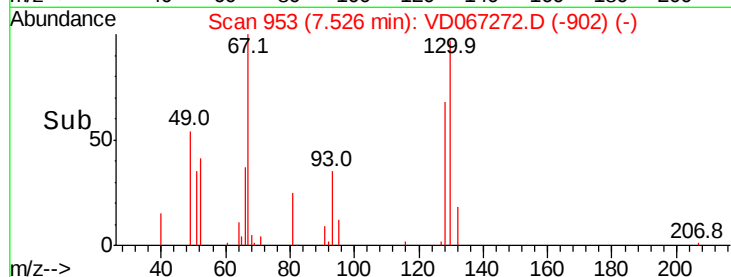
#41
Methacrylonitrile
Concen: 44.029 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	30926
Ion	Ratio	Lower	Upper
41	100		
39	70.8	60.0	90.0
67	108.1	88.9	133.3
52	47.5	36.9	55.3

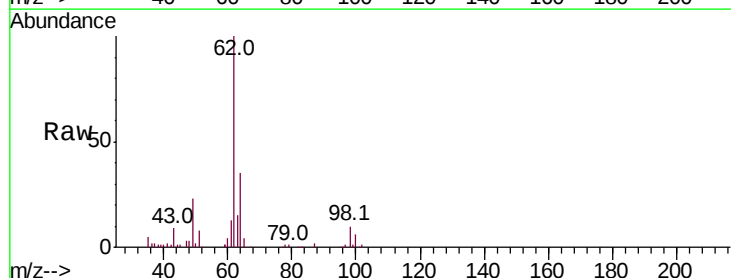


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

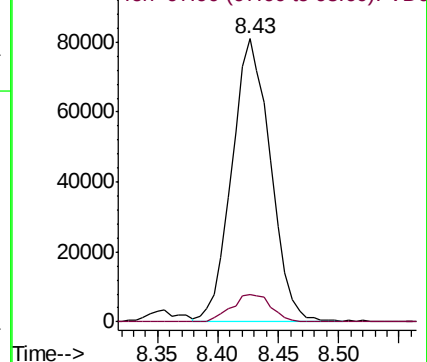
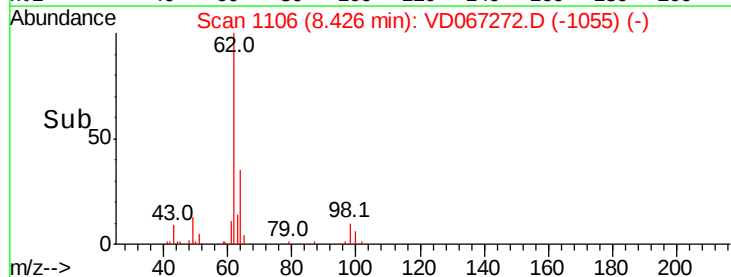


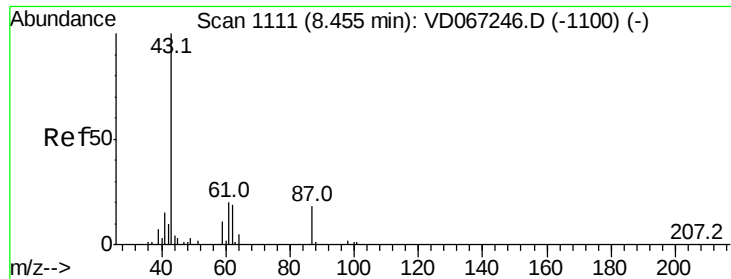
#42
1,2-Dichloroethane
Concen: 47.196 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:	62	Resp:	179011
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

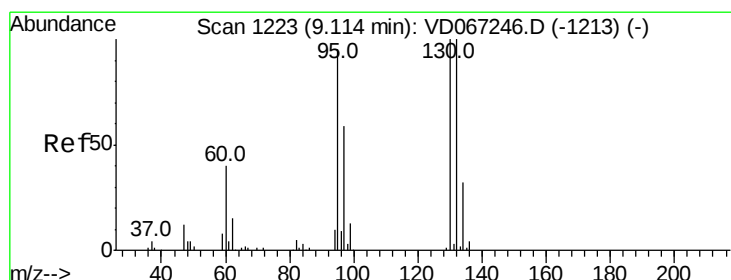
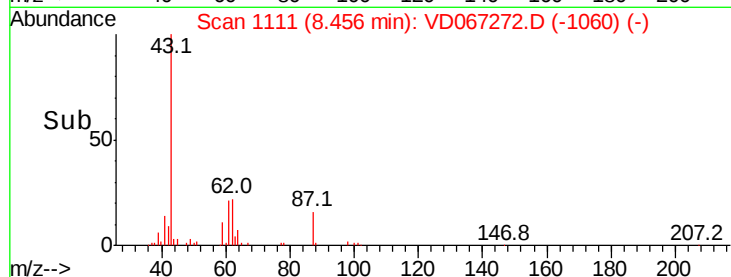
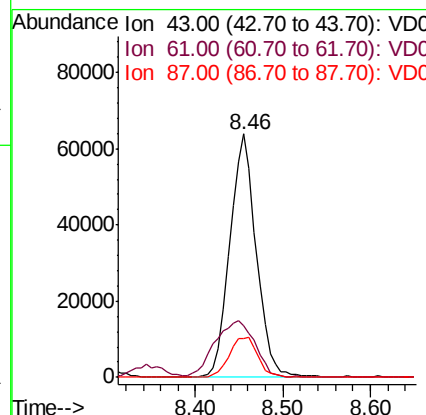
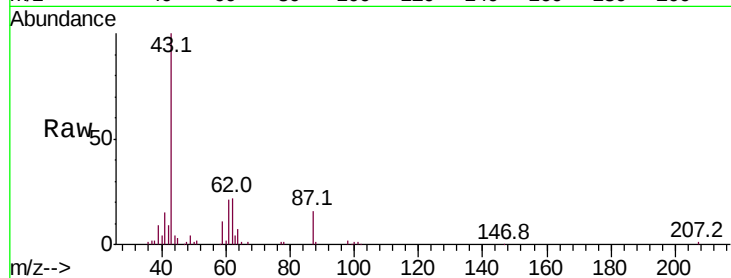




#43
Isopropyl Acetate
Concen: 51.198 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

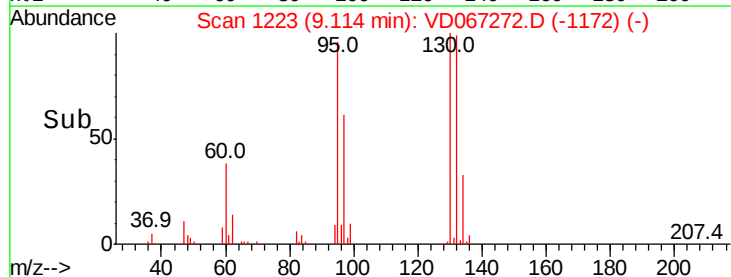
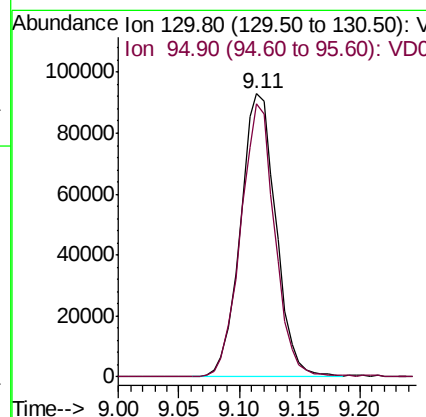
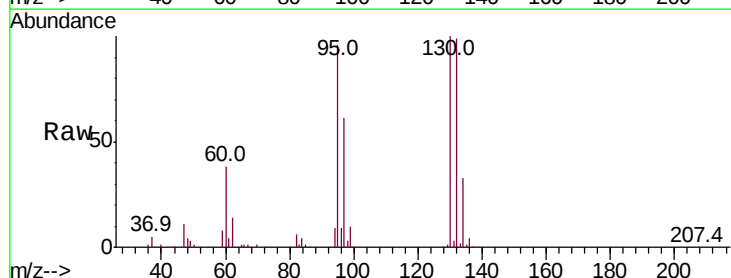
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

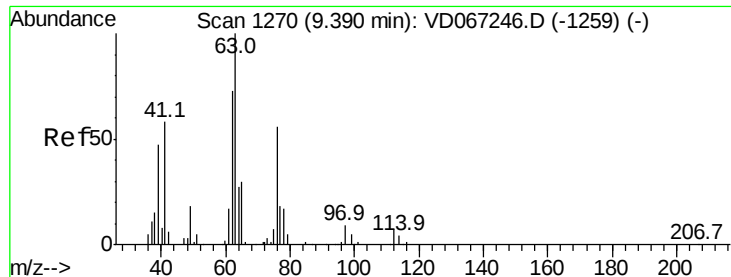
Tot Ion: 43 Resp: 132050
Ion Ratio Lower Upper
43 100
61 35.8 29.5 44.3
87 17.7 14.2 21.4



#44
Trichloroethene
Concen: 49.023 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:130 Resp: 190234
Ion Ratio Lower Upper
130 100
95 96.5 0.0 190.6





#45

1,2-Dichloropropane

Concen: 48.739 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

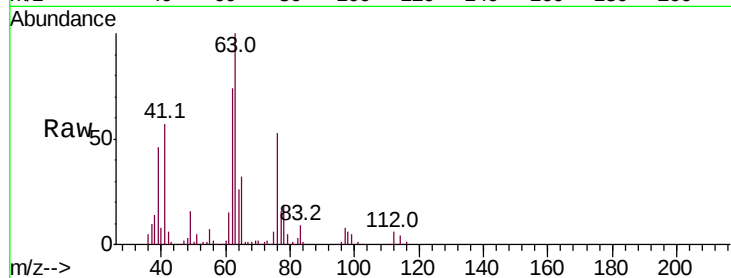
VSTDCCC050EC

Tot Ion: 63 Resp: 136902

Ion Ratio Lower Upper

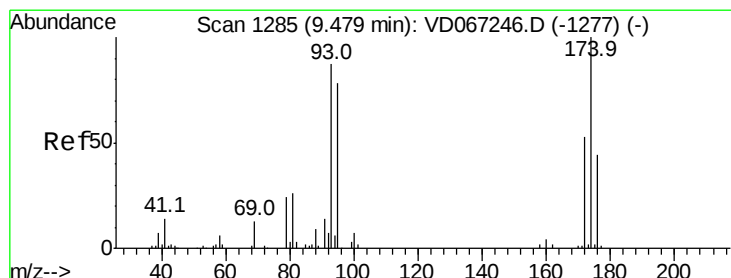
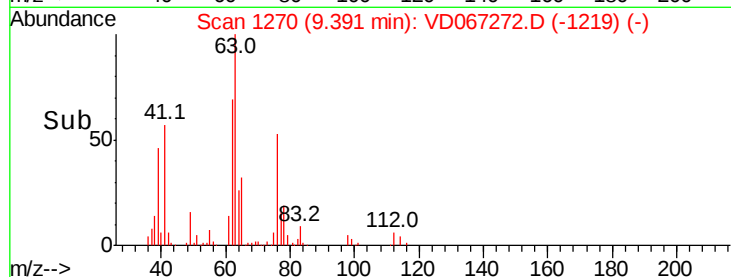
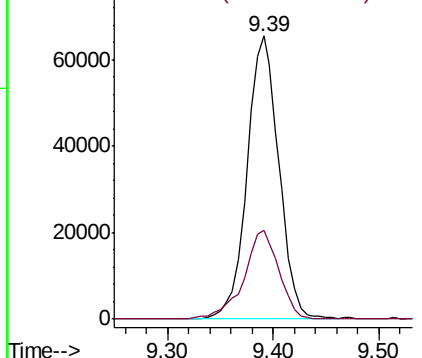
63 100

65 31.6 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: 48.763 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

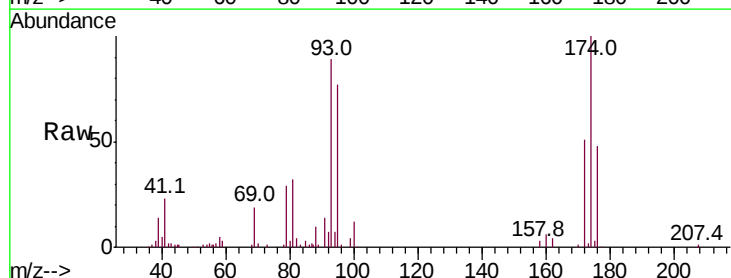
Tgt Ion: 93 Resp: 85340

Ion Ratio Lower Upper

93 100

95 82.6 68.0 102.0

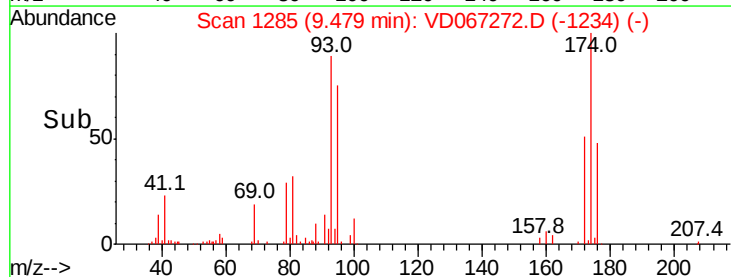
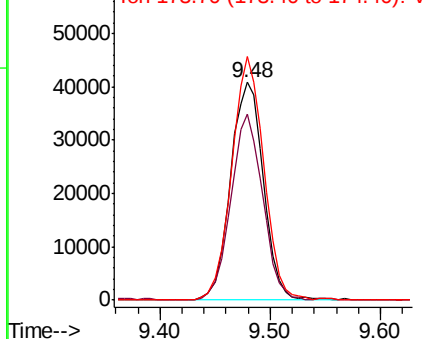
174 108.8 91.8 137.6

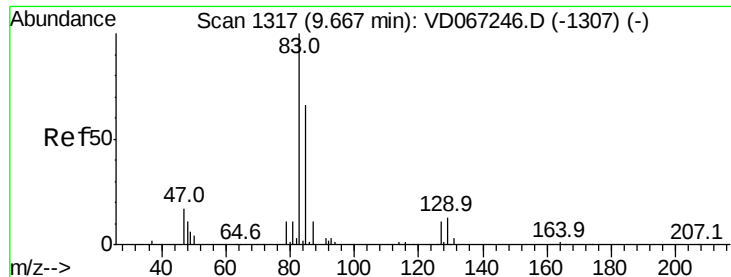


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 49.457 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

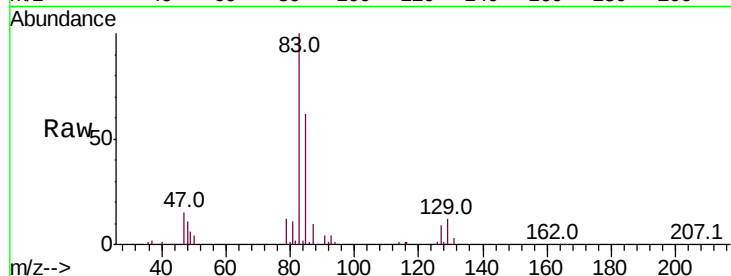
Tot Ion: 83 Resp: 231897

Ion Ratio Lower Upper

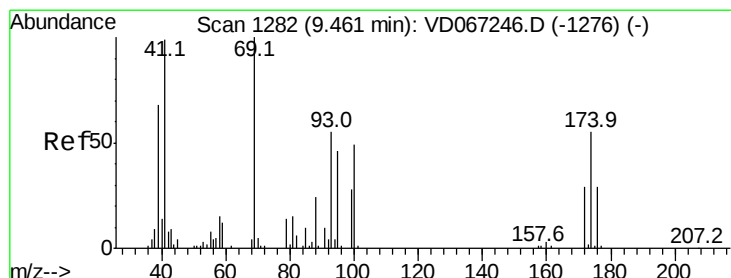
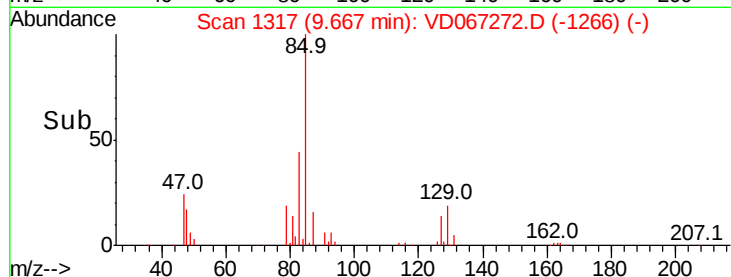
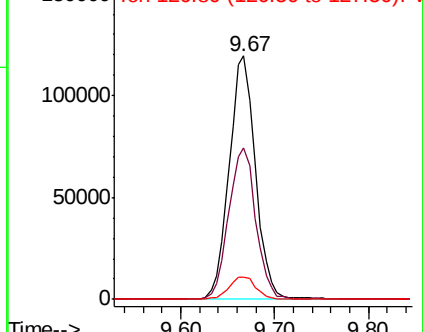
83 100

85 62.2 53.1 79.7

127 8.9 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: 50.472 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

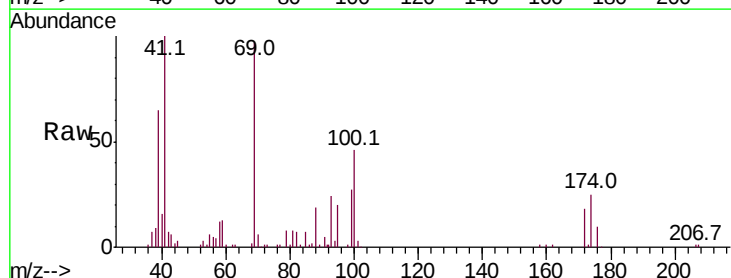
Tgt Ion: 41 Resp: 63261

Ion Ratio Lower Upper

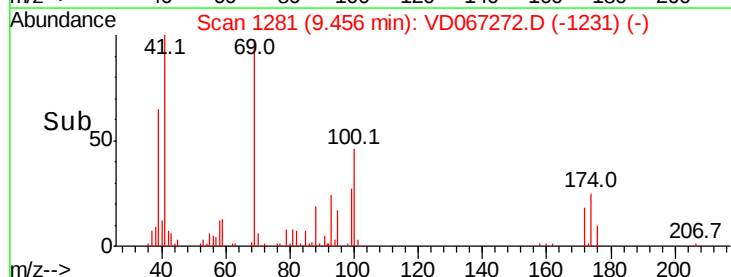
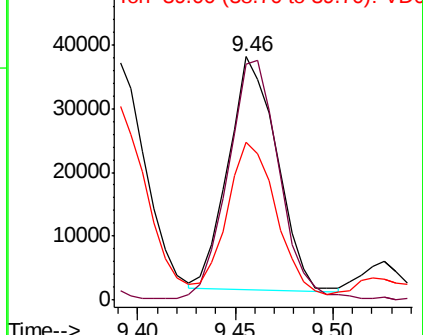
41 100

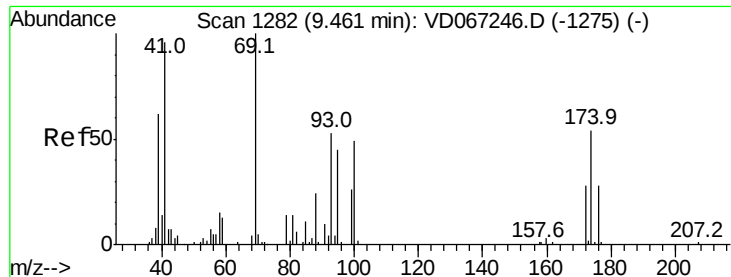
69 109.3 89.0 133.6

39 71.0 60.2 90.2



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





#49

1,4-Dioxane

Concen: 1021.060 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

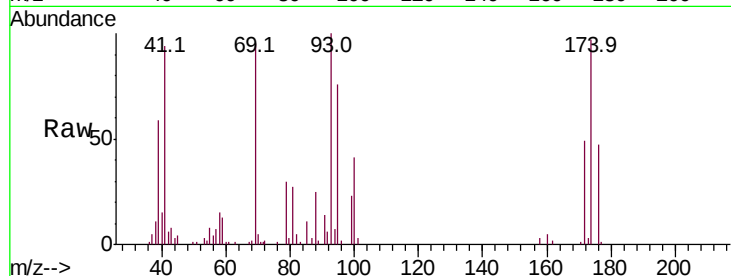
Tot Ion: 88 Resp: 17282

Ion Ratio Lower Upper

88 100

43 29.6 23.9 35.9

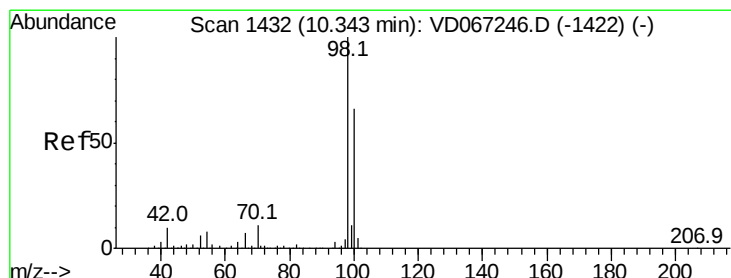
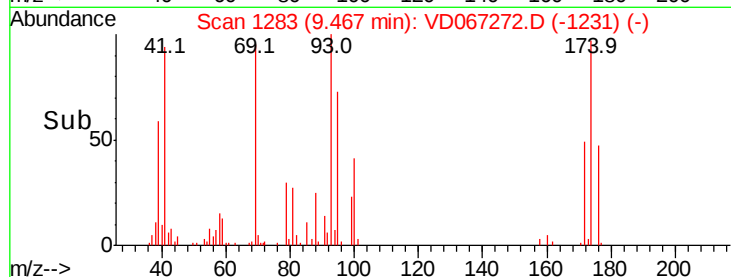
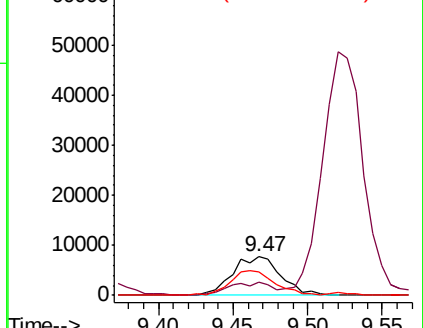
58 59.1 51.0 76.6



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: 49.853 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067272.D

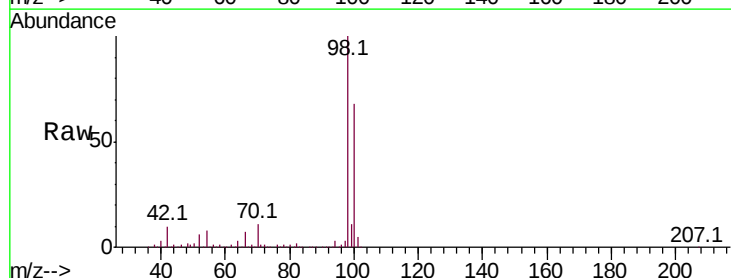
Acq: 14 Oct 2020 17:33

Tgt Ion: 98 Resp: 625836

Ion Ratio Lower Upper

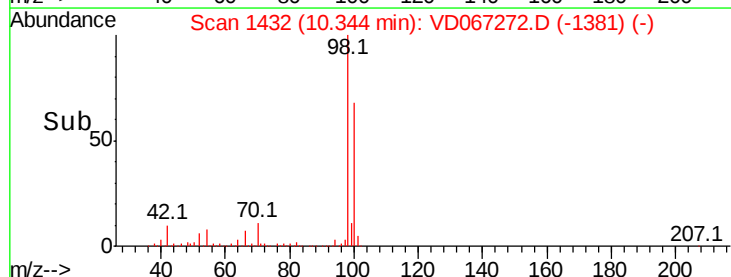
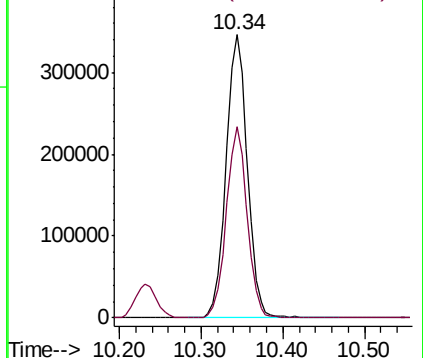
98 100

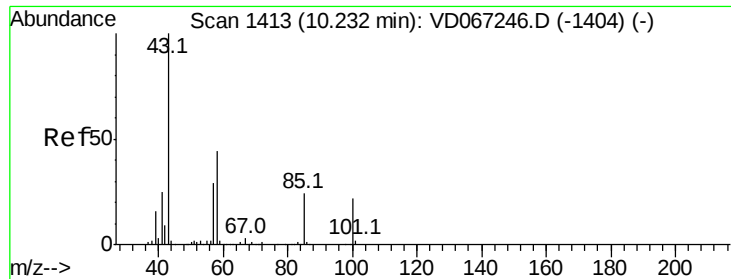
100 66.0 53.1 79.7



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: 251.428 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

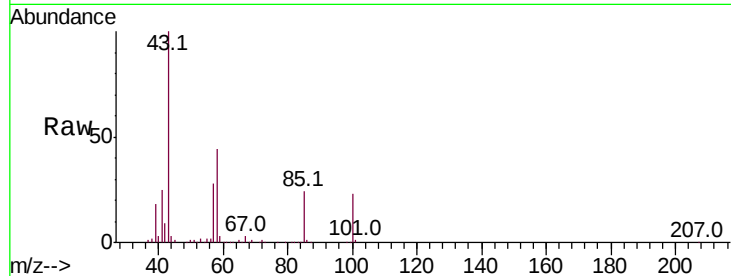
VSTDCCC050EC

Tot Ion: 43 Resp: 323442

Ion Ratio Lower Upper

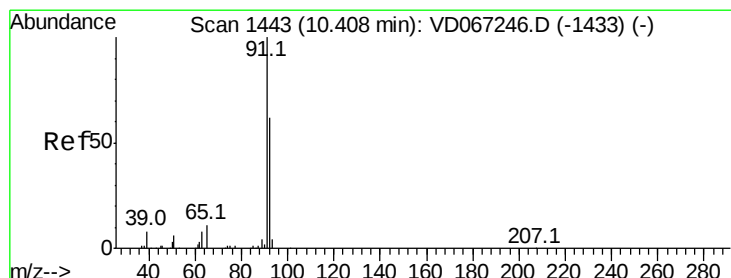
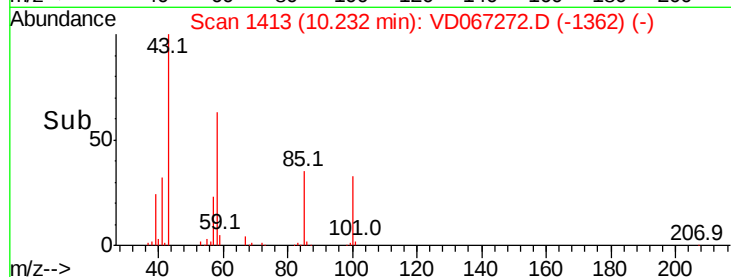
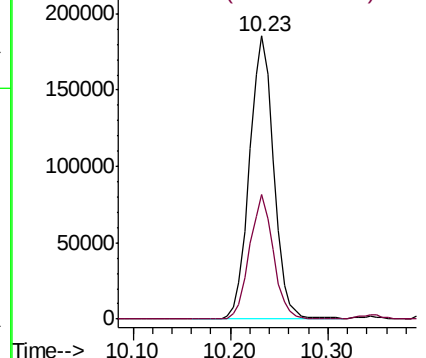
43 100

58 43.2 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.925 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067272.D

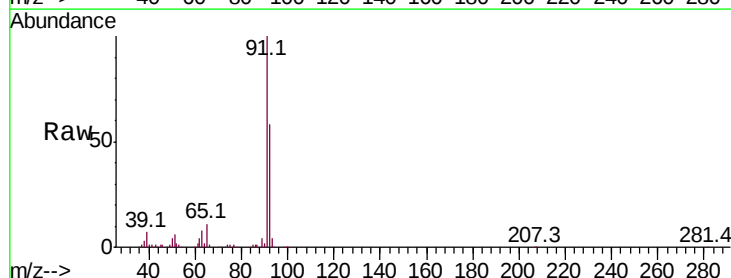
Acq: 14 Oct 2020 17:33

Tgt Ion: 92 Resp: 403870

Ion Ratio Lower Upper

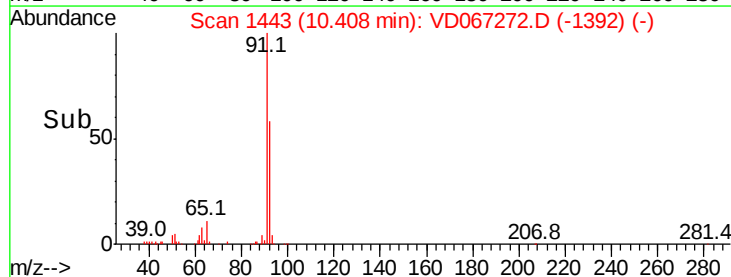
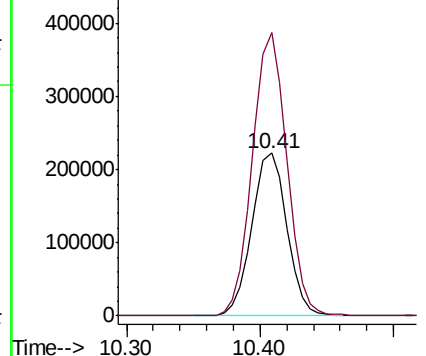
92 100

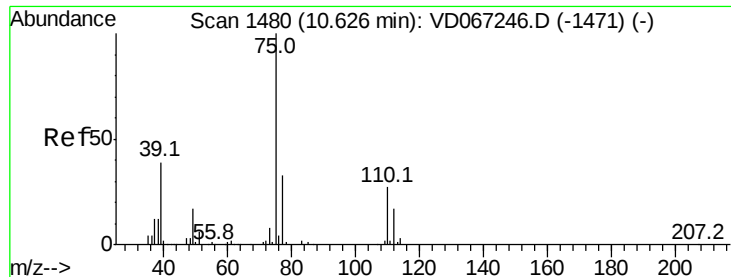
91 171.6 133.8 200.8



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: 50.596 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

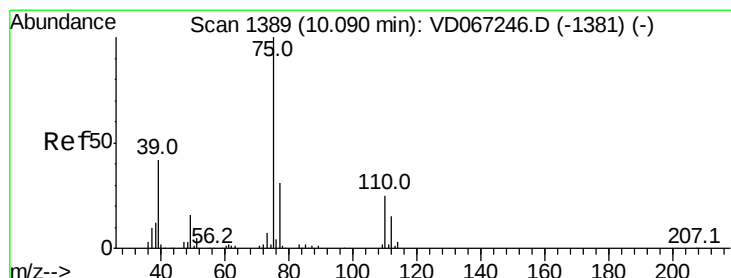
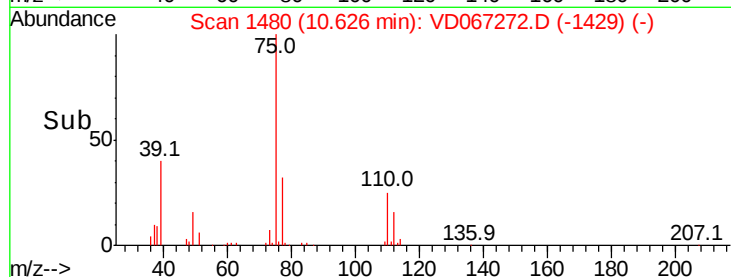
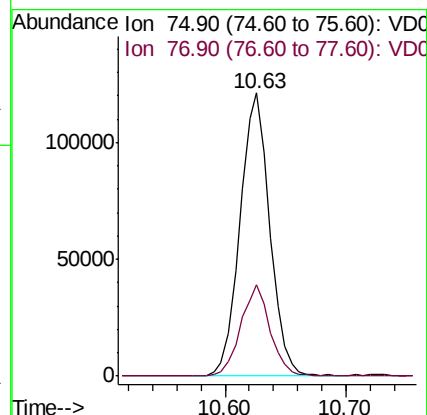
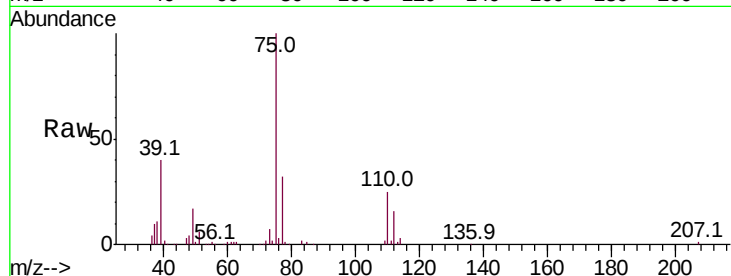
VSTDCCC050EC

Tot Ion: 75 Resp: 208403

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 50.004 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

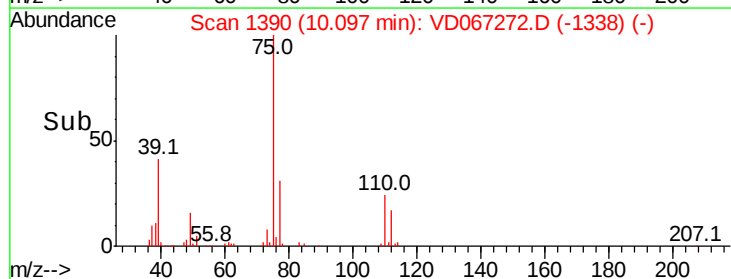
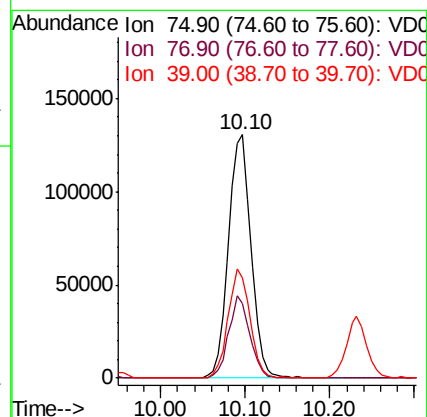
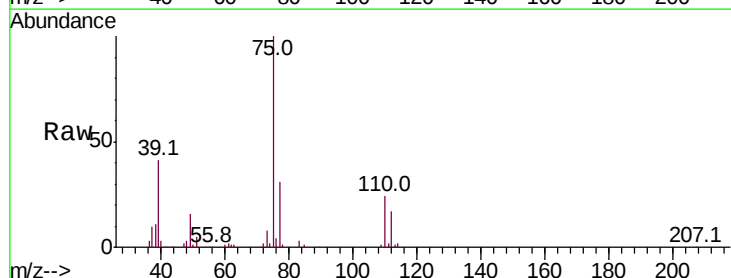
Tgt Ion: 75 Resp: 241042

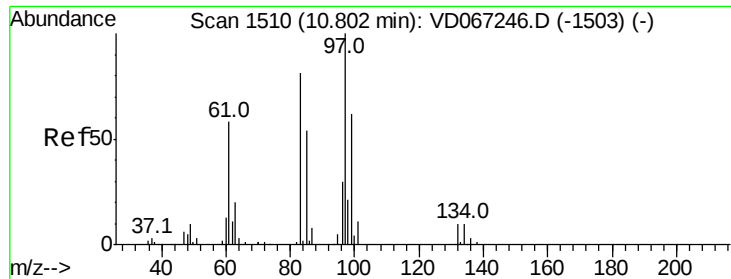
Ion Ratio Lower Upper

75 100

77 30.8 24.5 36.7

39 41.1 33.7 50.5

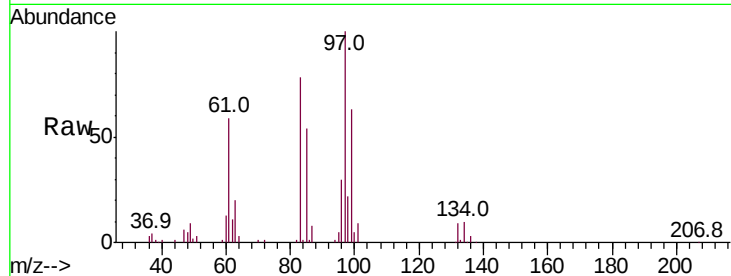




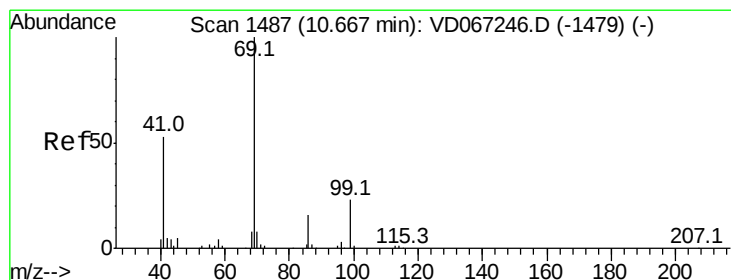
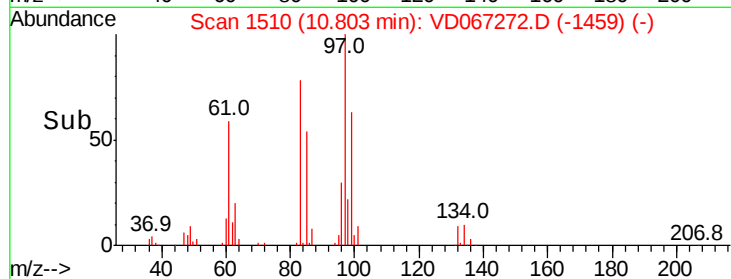
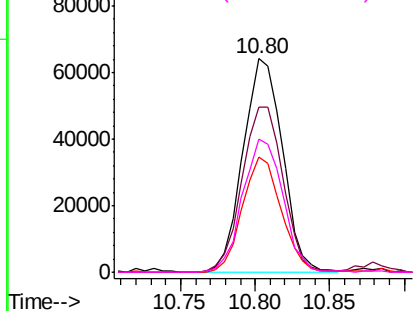
#55
 1,1,2-Trichloroethane
 Concen: 49.363 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	117805
Ion	Ratio	Lower	Upper
97	100		
83	77.6	64.9	97.3
85	54.0	43.3	64.9
99	62.5	49.1	73.7

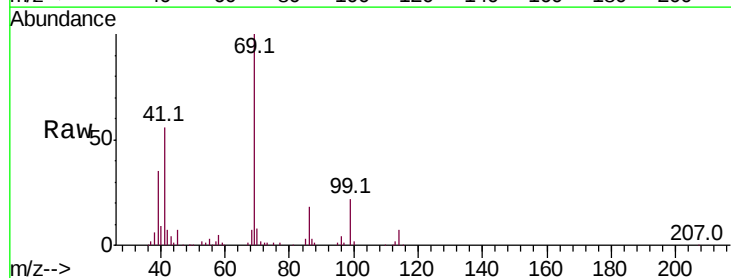


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

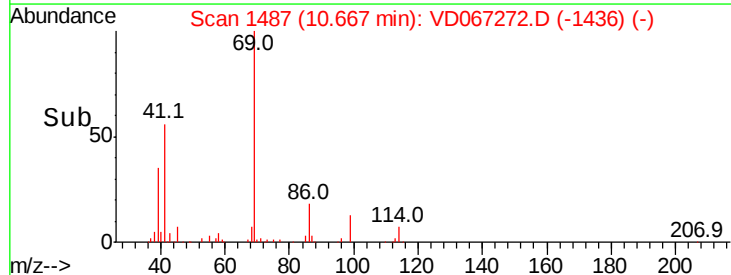
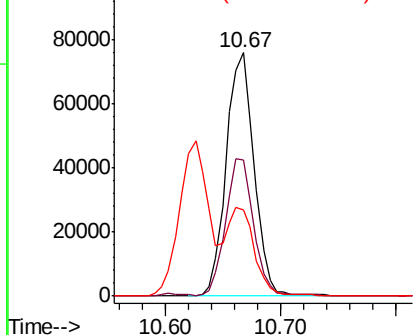


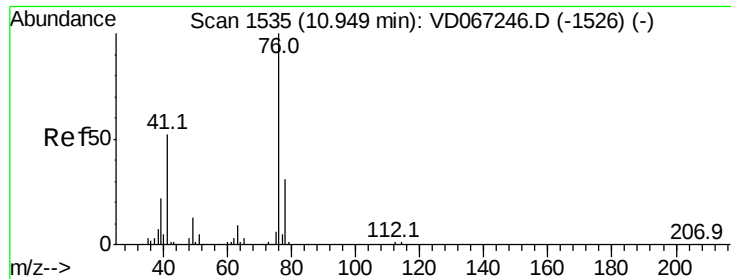
#56
 Ethyl methacrylate
 Concen: 51.341 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion:	69	Resp:	127072
Ion	Ratio	Lower	Upper
69	100		
41	55.6	44.7	67.1
39	33.8	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: 50.247 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

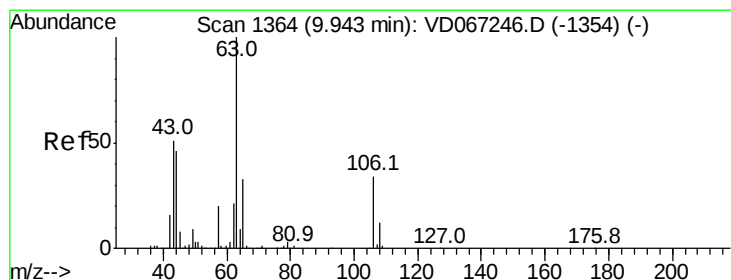
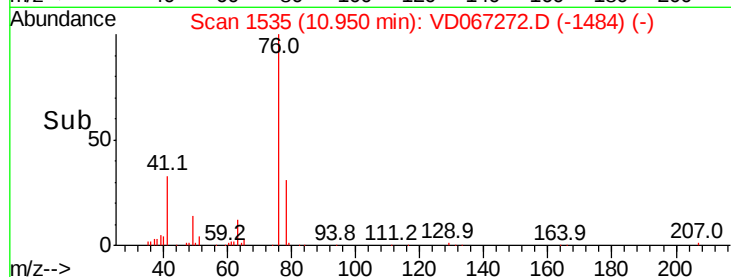
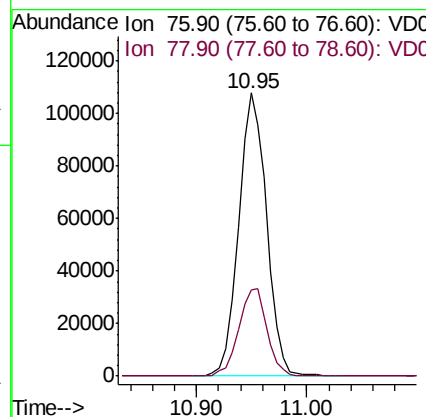
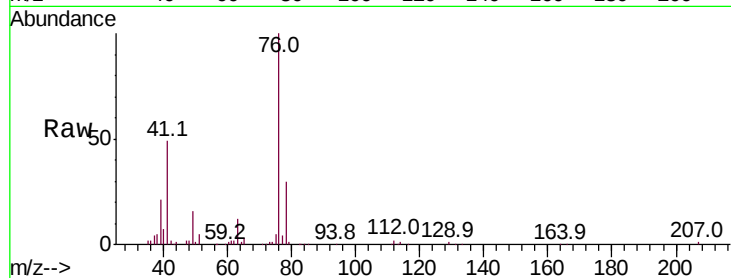
Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 190833

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.8	40.2



#58

2-Chloroethyl Vinyl ether

Concen: 265.316 ug/l

RT: 9.94 min Scan# 1364

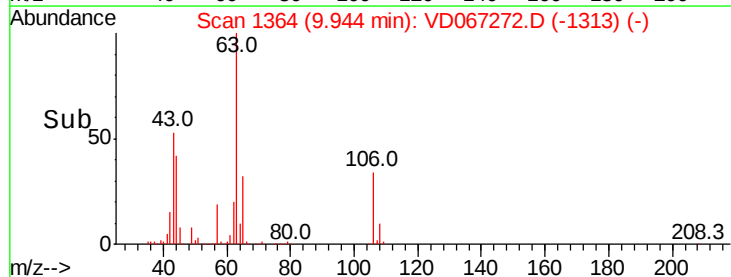
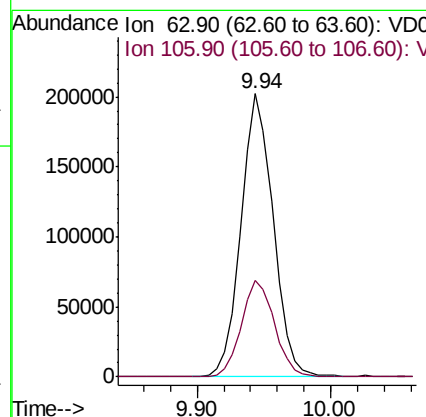
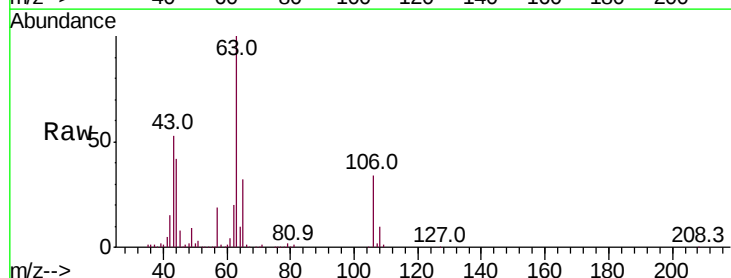
Delta R.T. 0.00 min

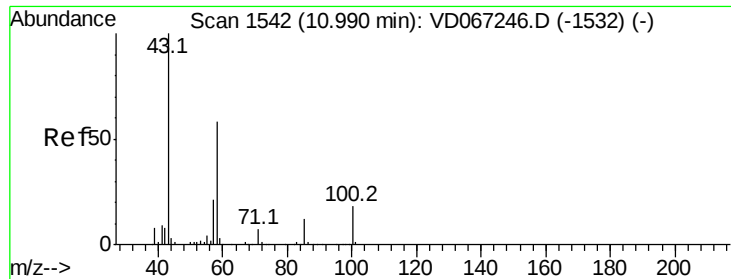
Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Tgt Ion: 63 Resp: 336871

Ion	Ratio	Lower	Upper
63	100		
106	35.1	27.8	41.6

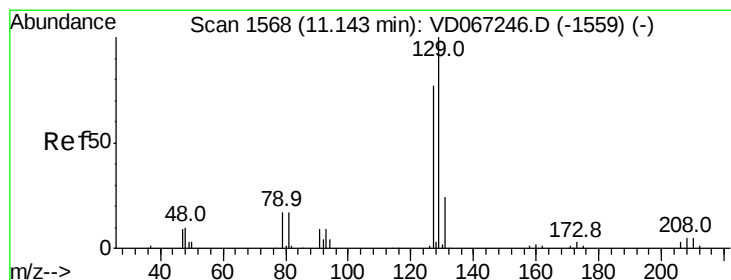
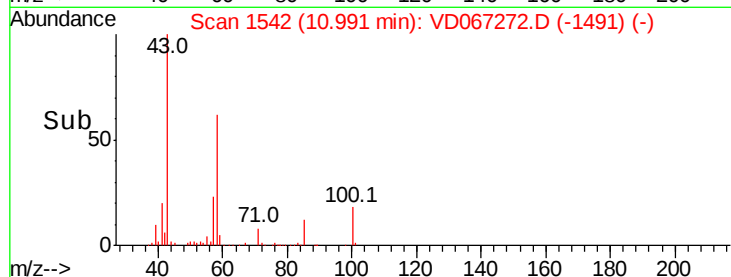
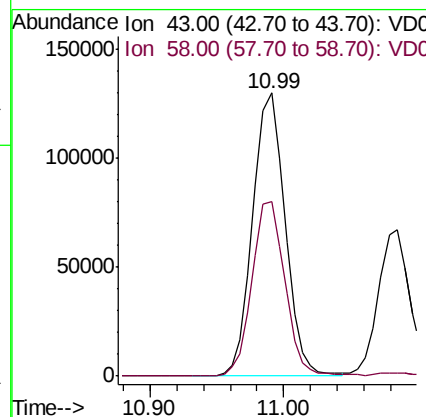
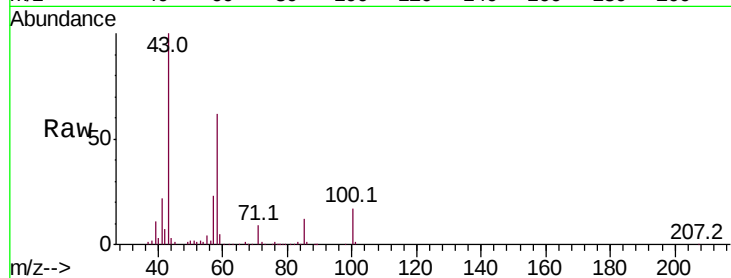




#59
2-Hexanone
Concen: 249.465 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

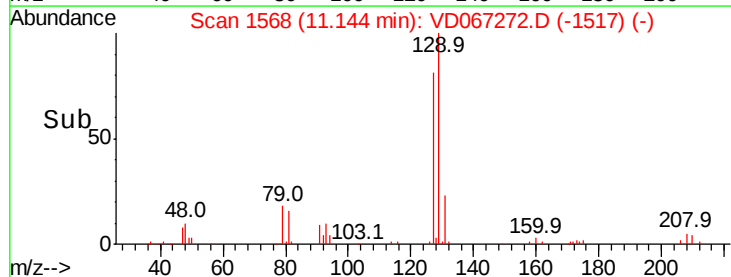
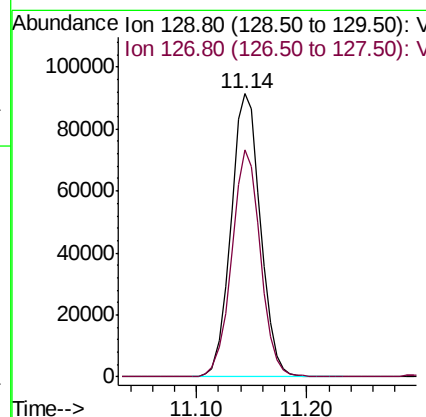
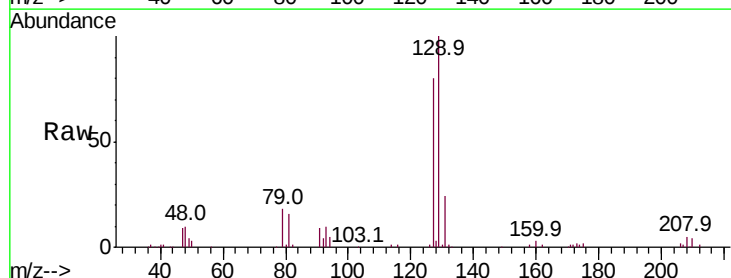
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

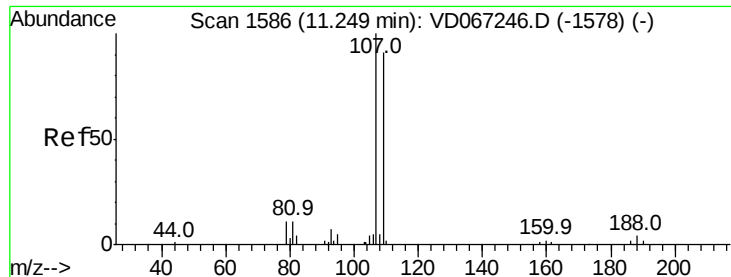
Tot Ion: 43 Resp: 219292
Ion Ratio Lower Upper
43 100
58 62.5 29.3 87.9



#60
Dibromochloromethane
Concen: 49.114 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion: 129 Resp: 170934
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8

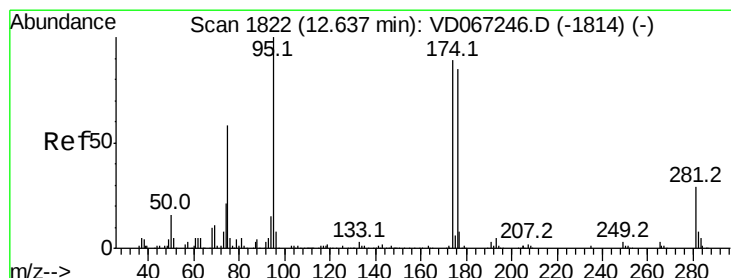
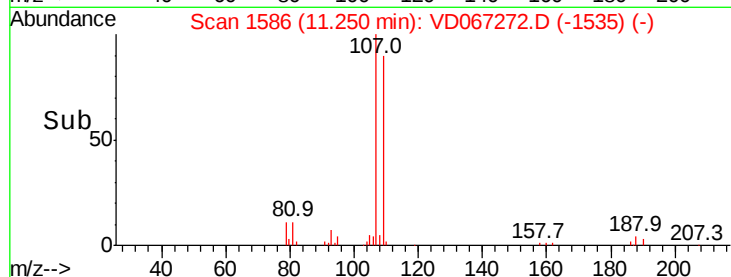
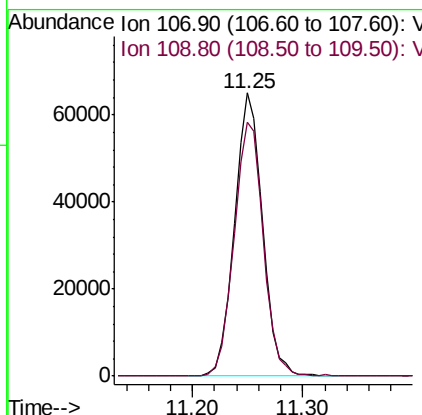
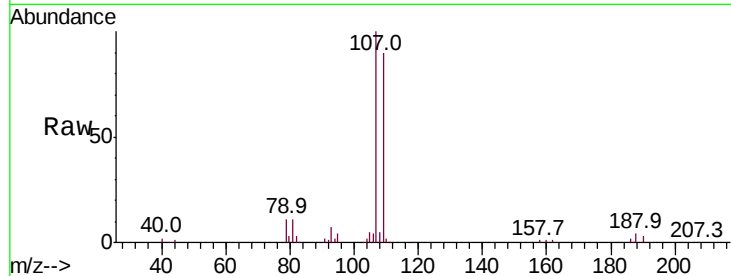




#61
 1,2-Dibromoethane
 Concen: 49.295 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

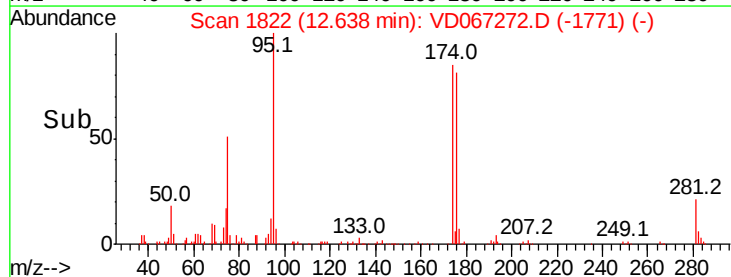
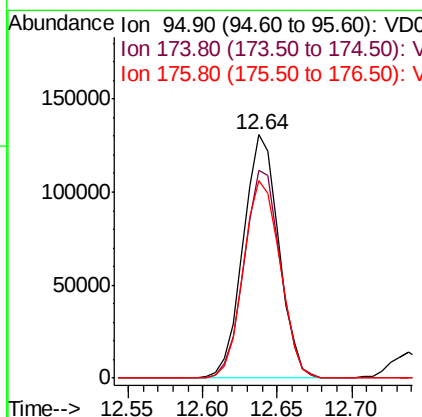
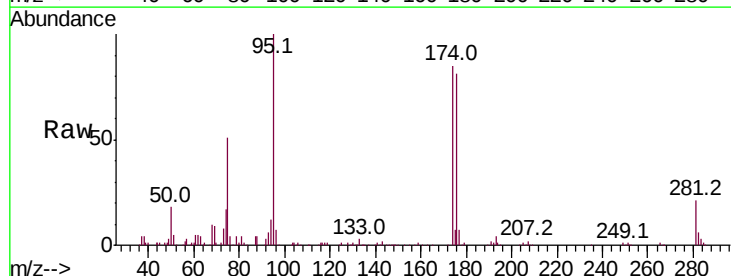
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

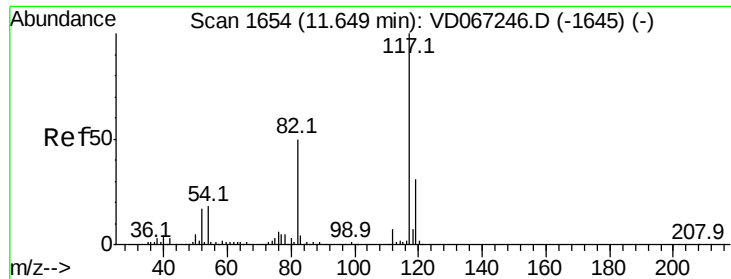
Tot Ion:107 Resp: 115978
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.434 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 95 Resp: 215786
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 175.2
 176 83.8 0.0 168.6

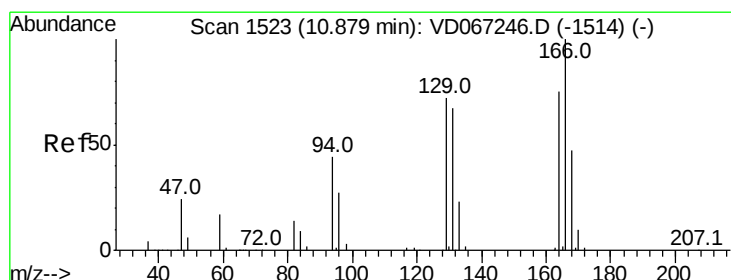
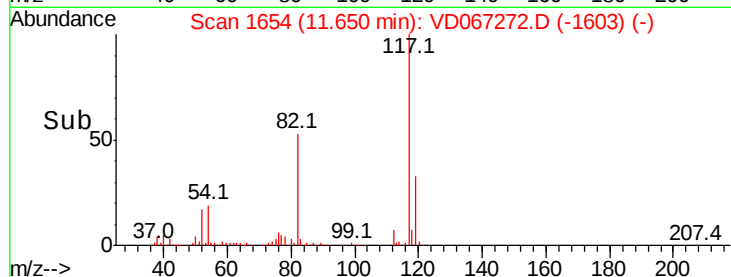
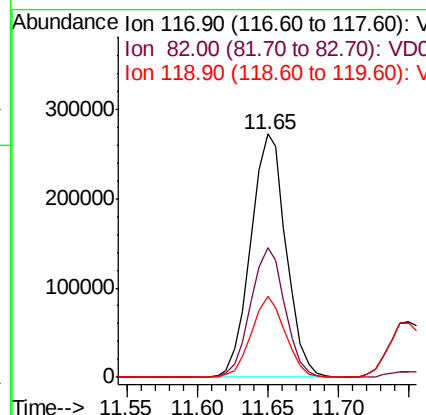
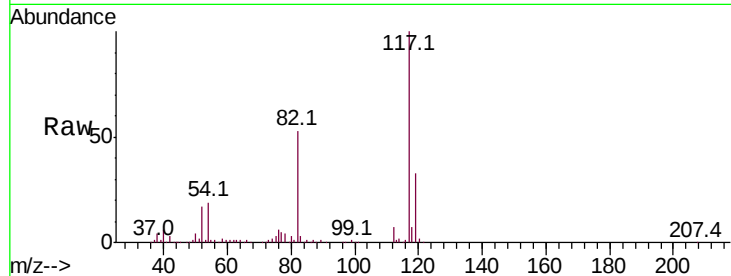




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

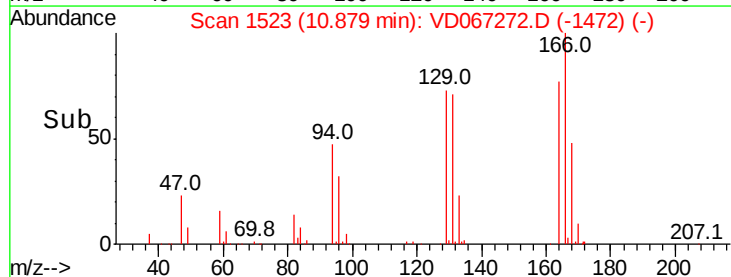
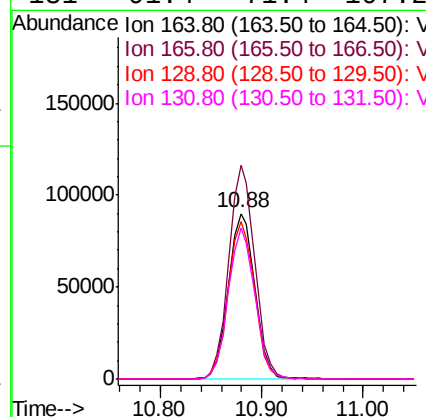
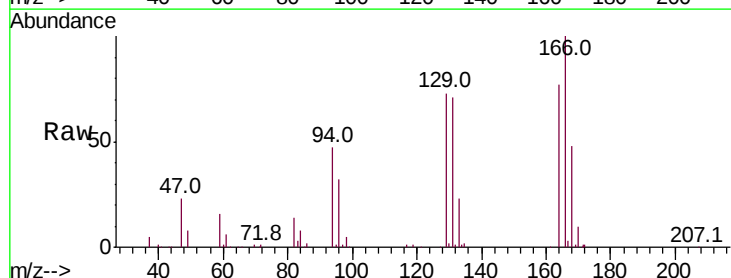
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

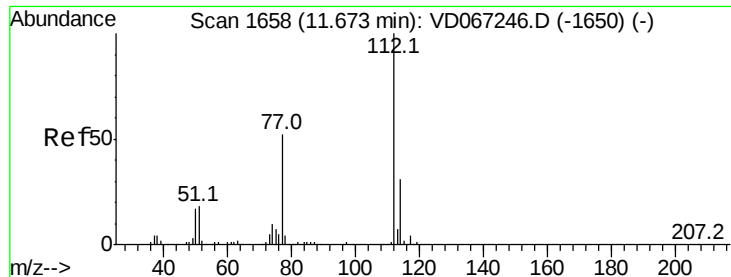
Tot Ion:117 Resp: 478839
Ion Ratio Lower Upper
117 100
82 53.2 39.9 59.9
119 33.5 24.9 37.3



#64
Tetrachloroethene
Concen: 47.109 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:164 Resp: 163437
Ion Ratio Lower Upper
164 100
166 129.1 107.3 160.9
129 94.9 77.3 115.9
131 91.4 71.4 107.2

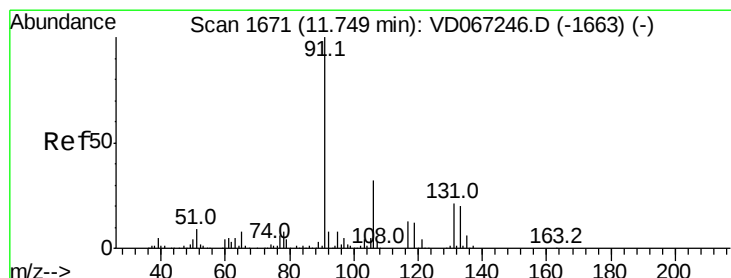
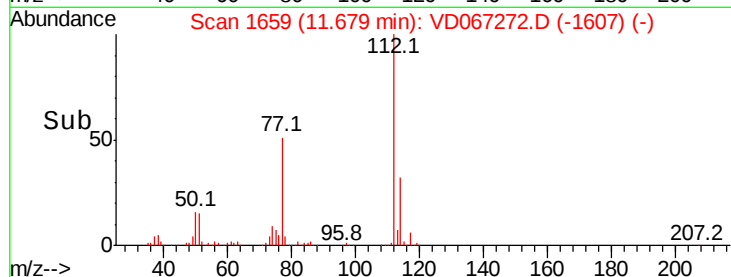
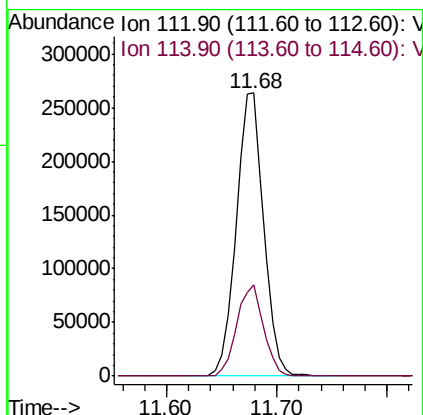
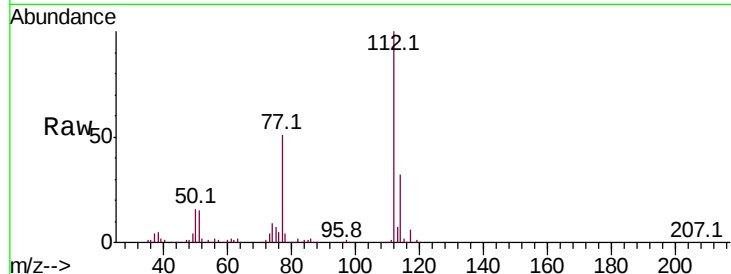




#65
Chlorobenzene
Concen: 50.121 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

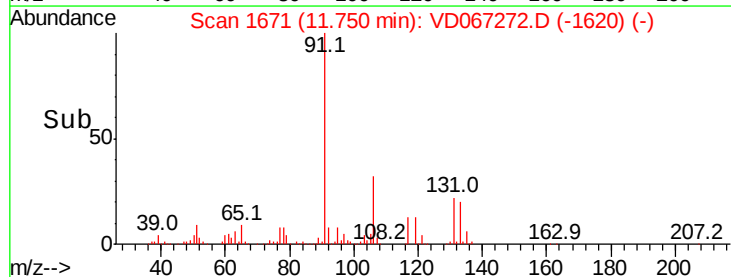
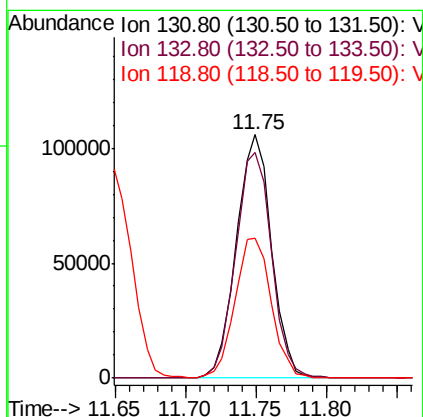
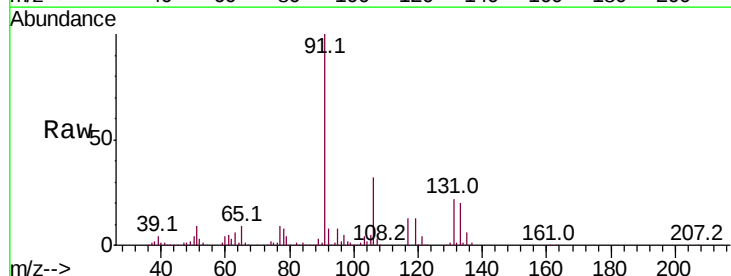
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

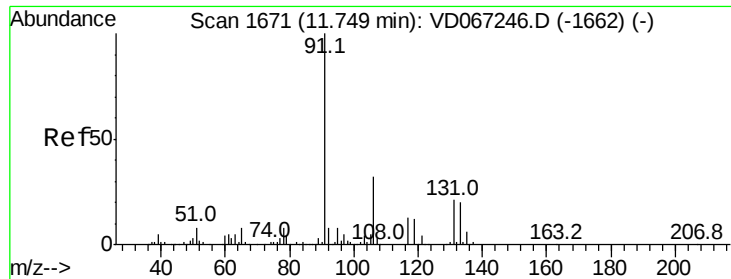
Tot Ion:112 Resp: 460220
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.497 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:131 Resp: 184286
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.3
119 59.6 30.0 90.0





#67

Ethyl Benzene

Concen: 50.018 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

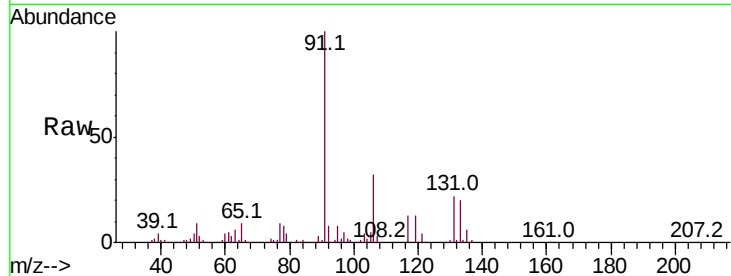
VSTDCCC050EC

Tot Ion: 91 Resp: 787285

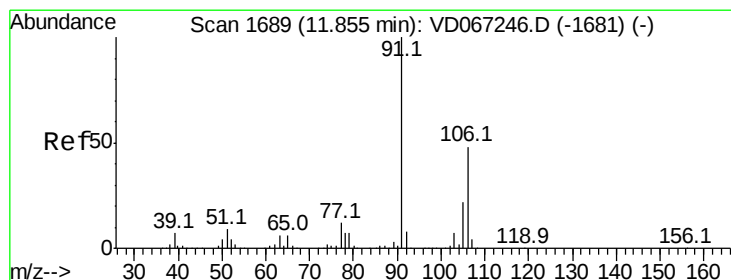
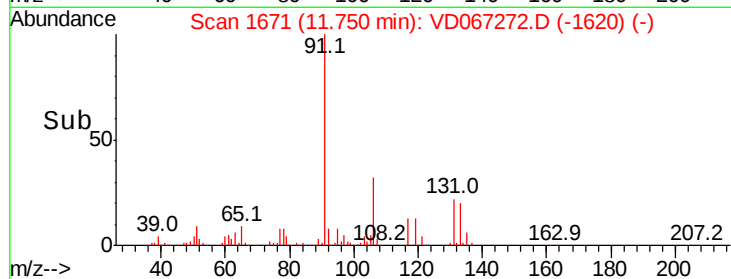
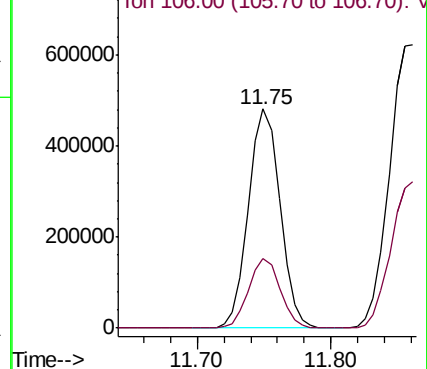
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 100.351 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067272.D

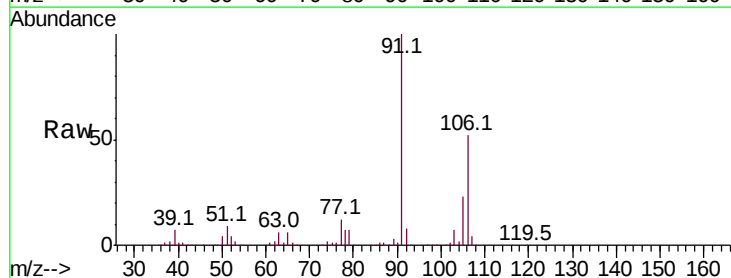
Acq: 14 Oct 2020 17:33

Tgt Ion: 106 Resp: 608255

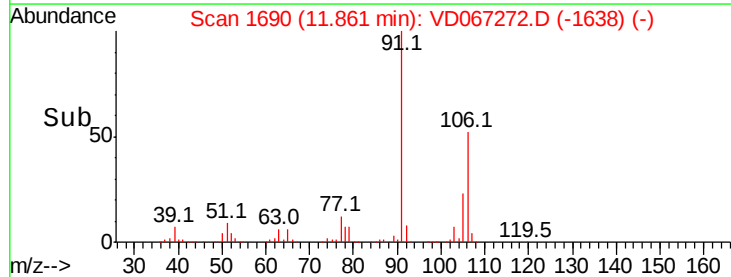
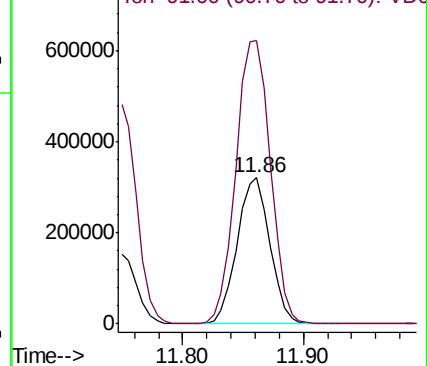
Ion Ratio Lower Upper

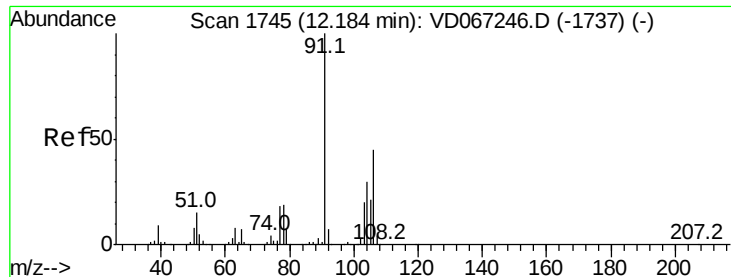
106 100

91 203.8 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

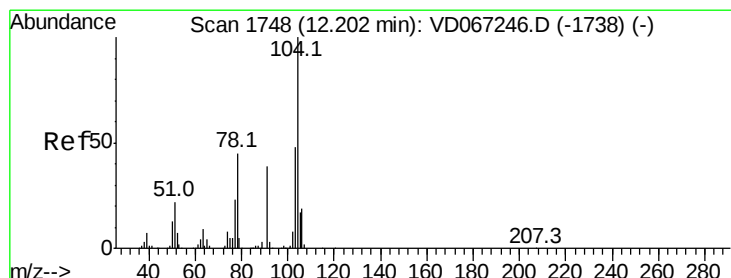
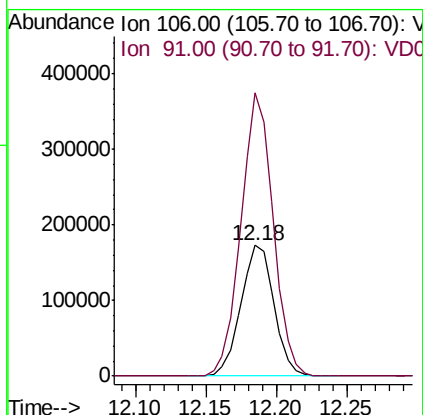
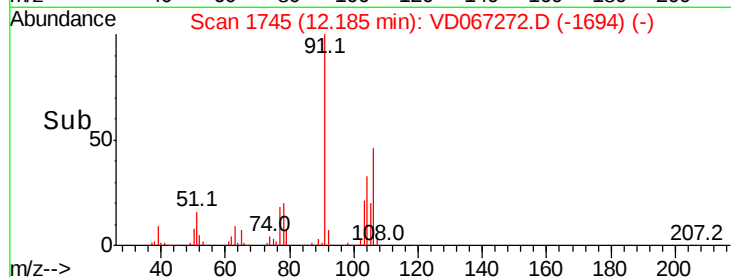
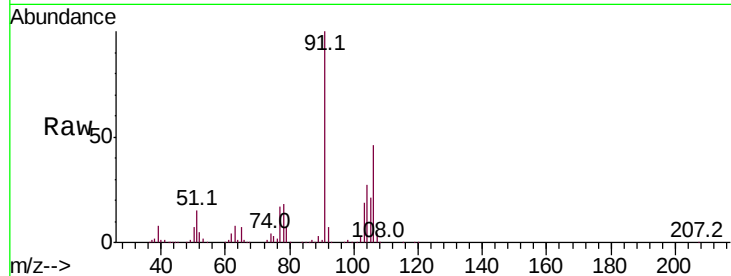




#69
o-Xylene
Concen: 50.551 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

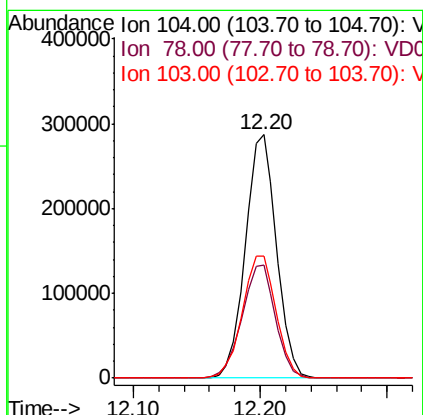
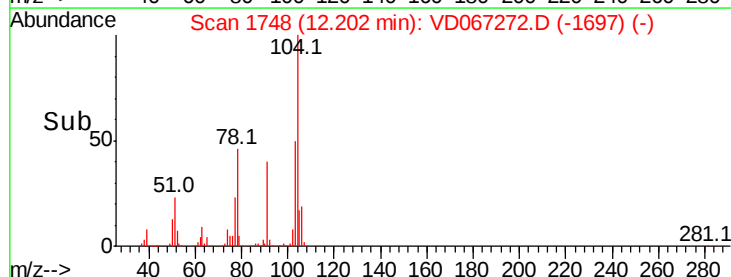
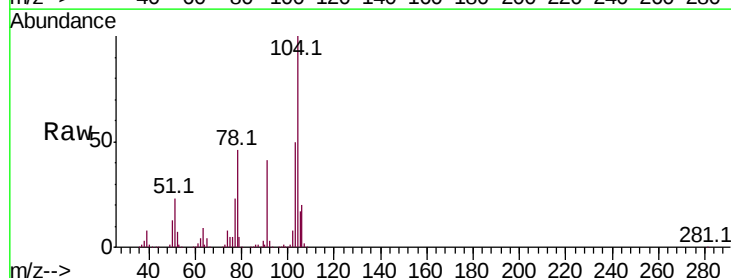
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

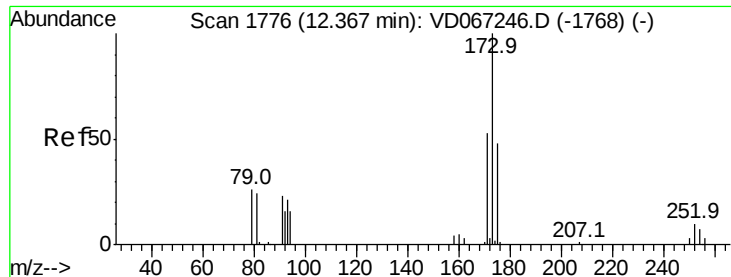
Tot Ion:106 Resp: 283733
Ion Ratio Lower Upper
106 100
91 211.1 109.1 327.3



#70
Styrene
Concen: 50.655 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:104 Resp: 489433
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.6
103 54.4 42.6 64.0





#71

Bromoform

Concen: 50.445 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

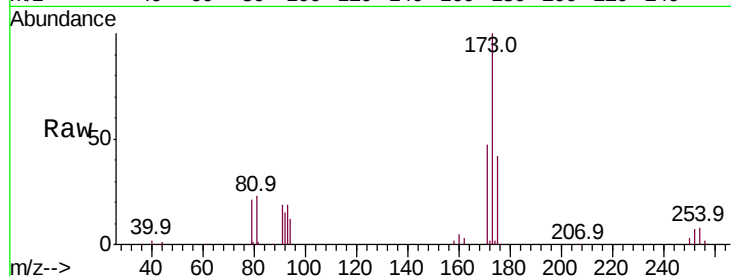
Tot Ion:173 Resp: 98900

Ion Ratio Lower Upper

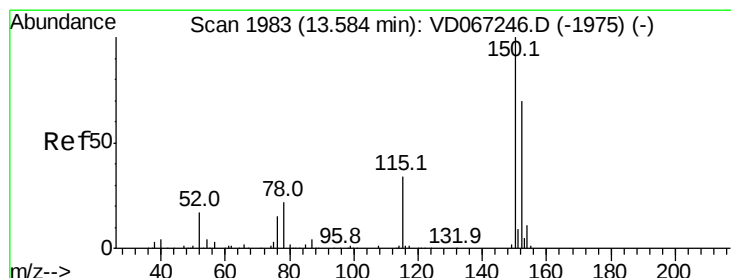
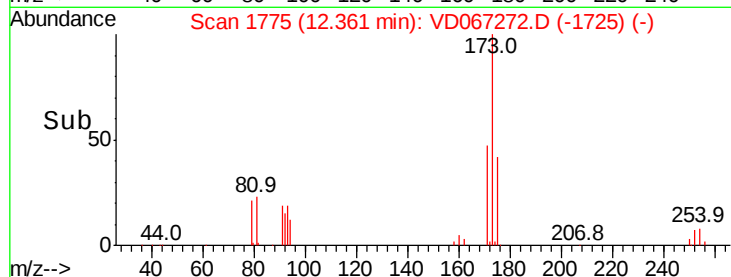
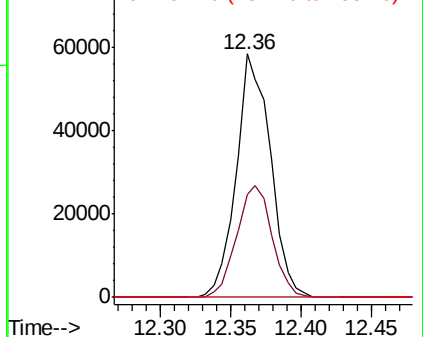
173 100

175 47.9 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# 1983

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

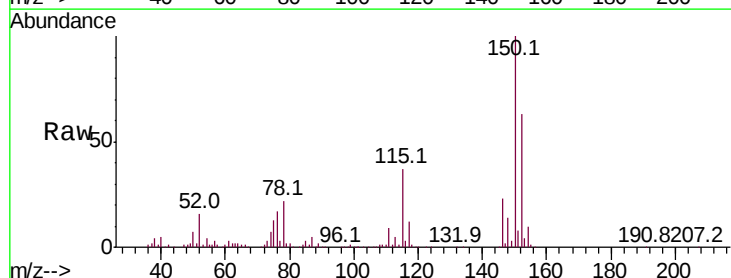
Tgt Ion:152 Resp: 244068

Ion Ratio Lower Upper

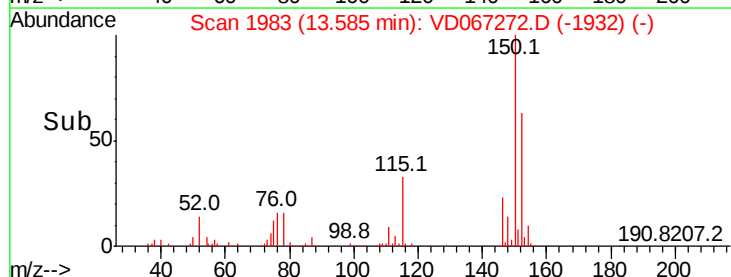
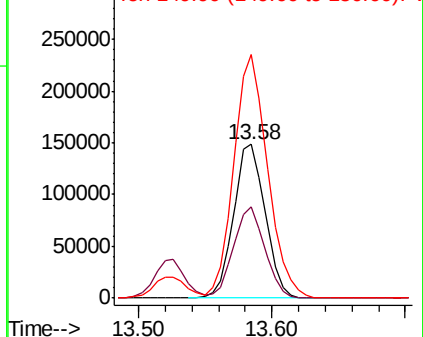
152 100

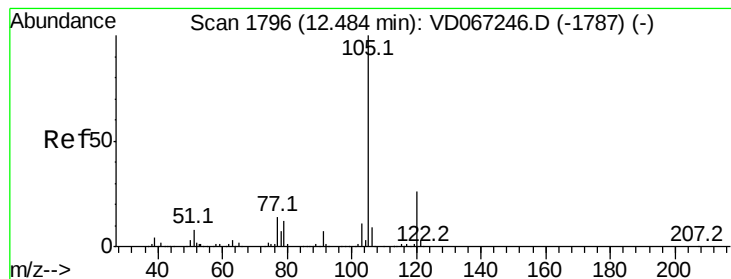
115 58.9 29.3 87.9

150 169.1 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: 50.849 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

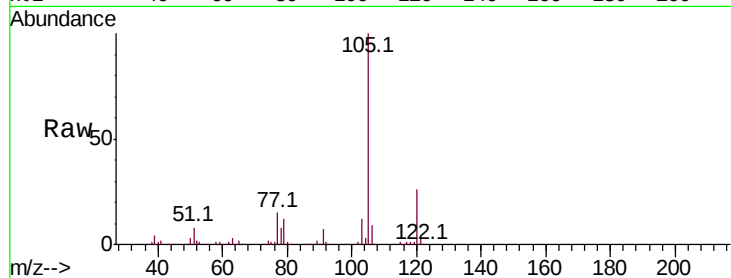
VSTDCCC050EC

Tot Ion:105 Resp: 787661

Ion Ratio Lower Upper

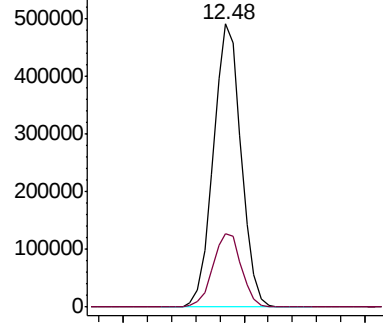
105 100

120 26.7 13.3 39.8

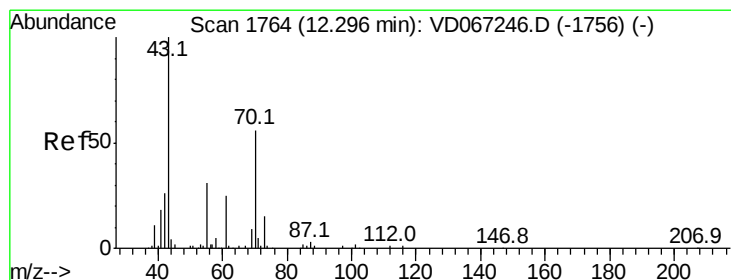
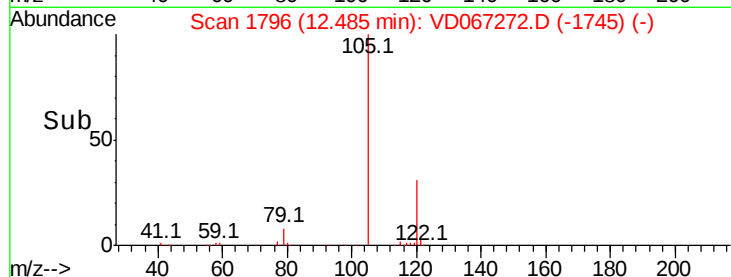


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 50.988 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Tgt Ion: 43 Resp: 119288

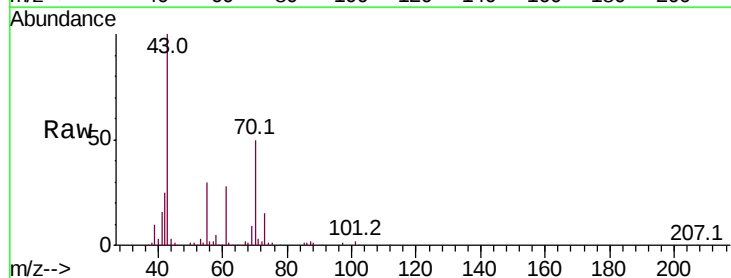
Ion Ratio Lower Upper

43 100

70 51.9 42.7 64.1

55 29.7 24.0 36.0

61 28.1 22.2 33.4

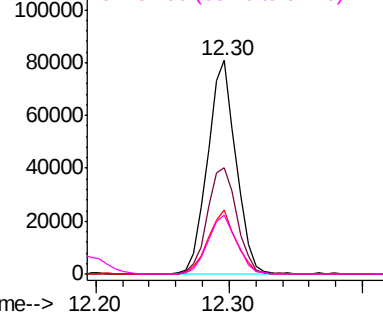


Abundance Ion 43.00 (42.70 to 43.70): VDC

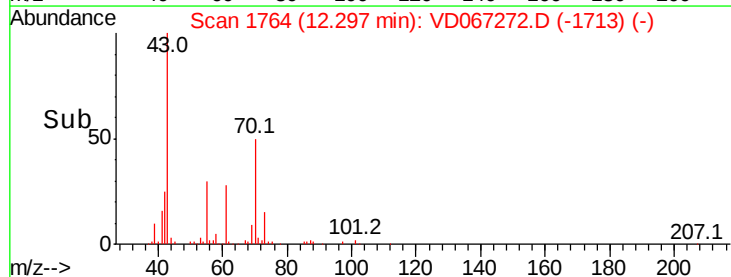
Ion 70.00 (69.70 to 70.70): VDC

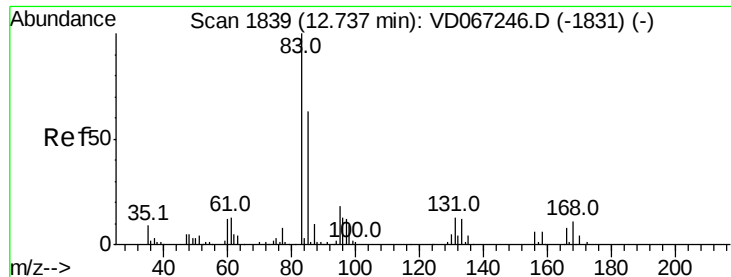
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.545 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

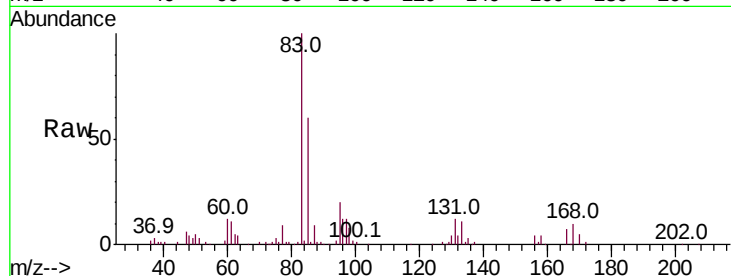
Tot Ion: 83 Resp: 115220

Ion Ratio Lower Upper

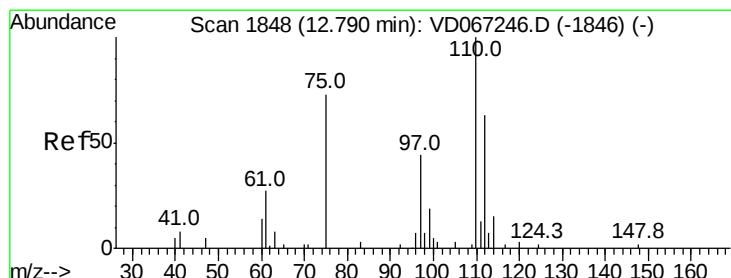
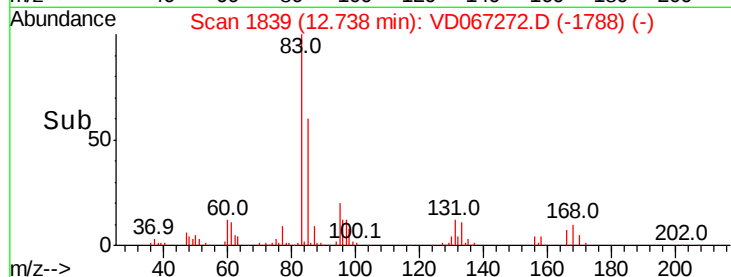
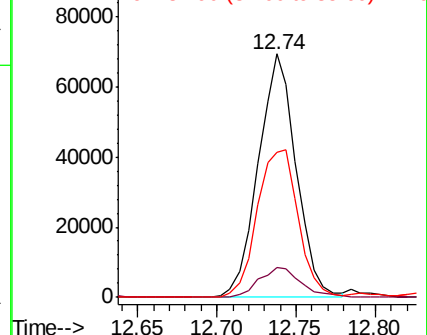
83 100

131 13.6 6.5 19.5

85 65.9 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: 93.835 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067272.D

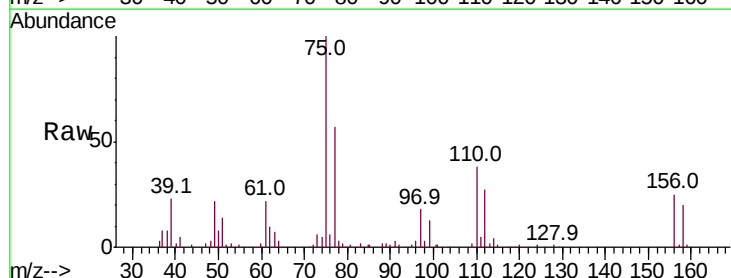
Acq: 14 Oct 2020 17:33

Tgt Ion: 75 Resp: 158733

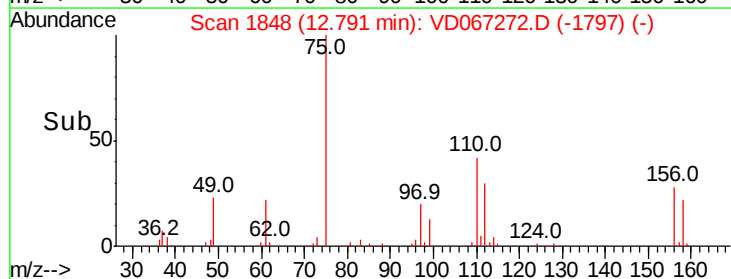
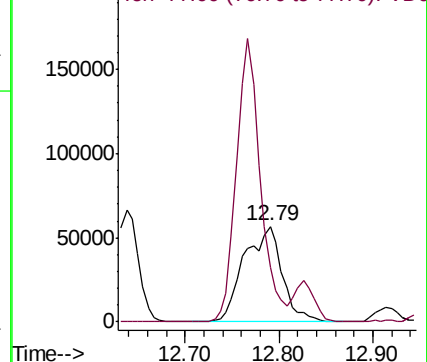
Ion Ratio Lower Upper

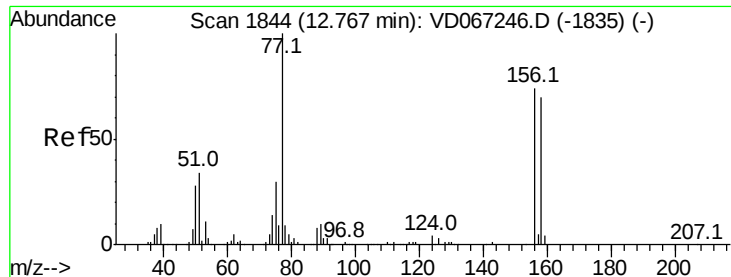
75 100

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

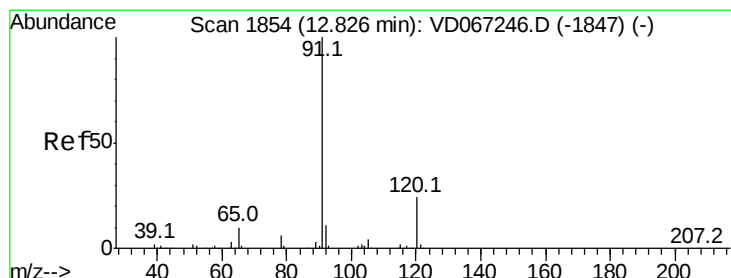
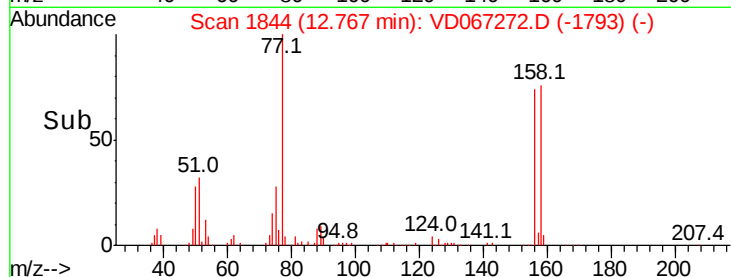
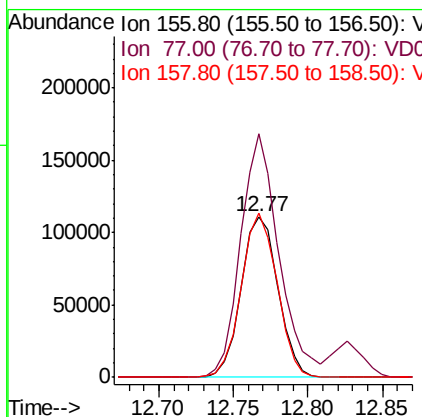
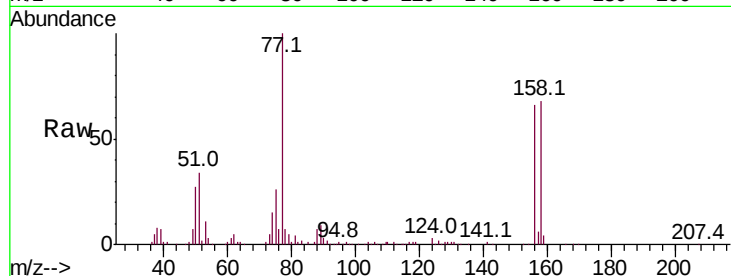




#77
Bromobenzene
Concen: 49.088 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

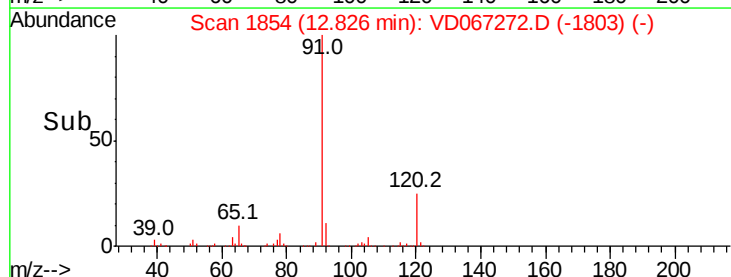
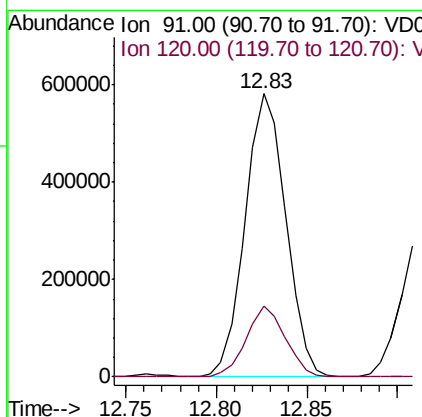
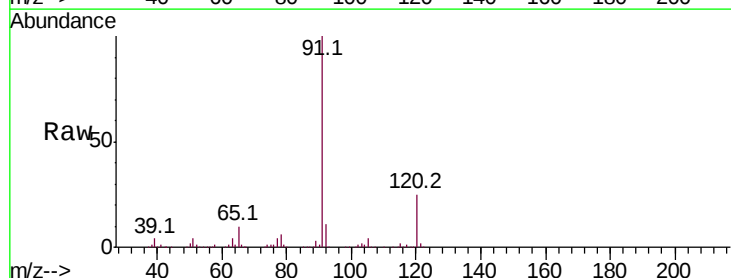
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

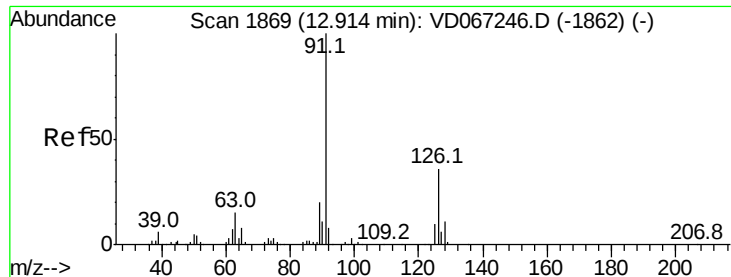
Tot Ion:156 Resp: 189572
Ion Ratio Lower Upper
156 100
77 157.9 78.0 233.8
158 99.0 49.1 147.3



#78
n-propylbenzene
Concen: 50.453 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion: 91 Resp: 905501
Ion Ratio Lower Upper
91 100
120 24.1 11.9 35.9

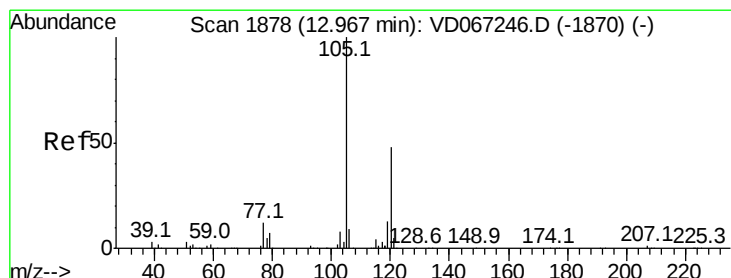
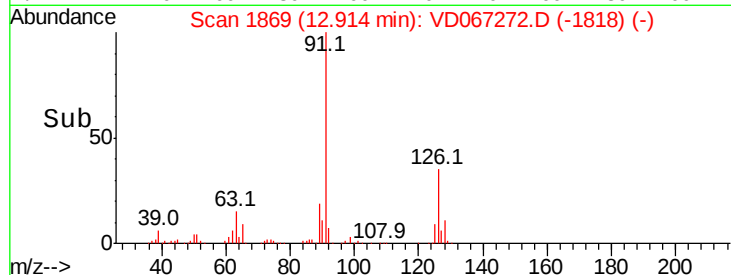
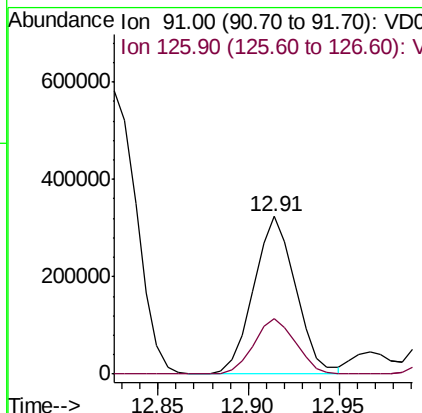
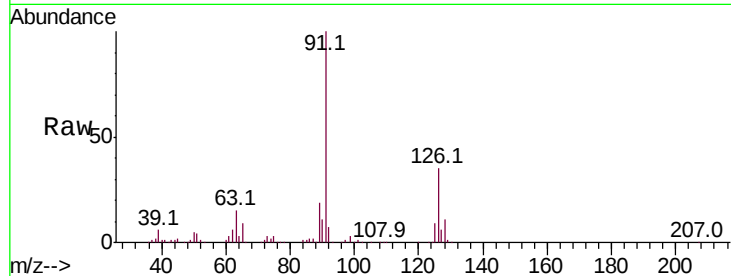




#79
 2-Chlorotoluene
 Concen: 49.966 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

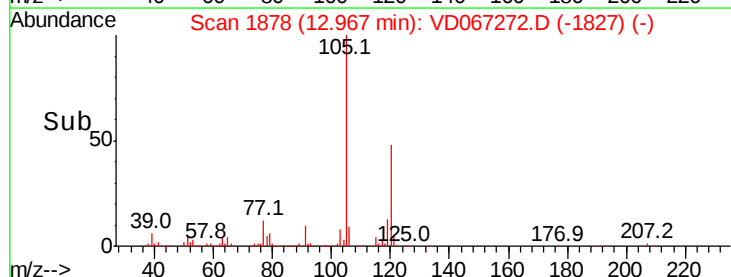
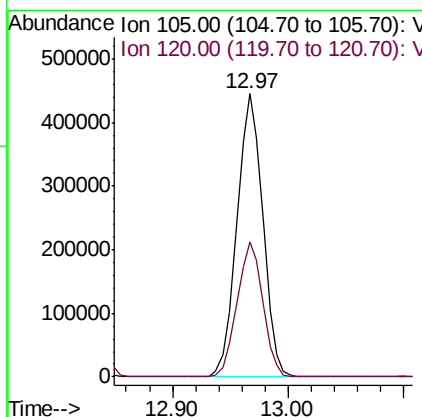
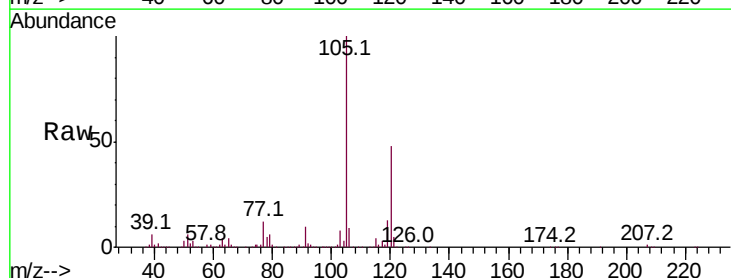
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

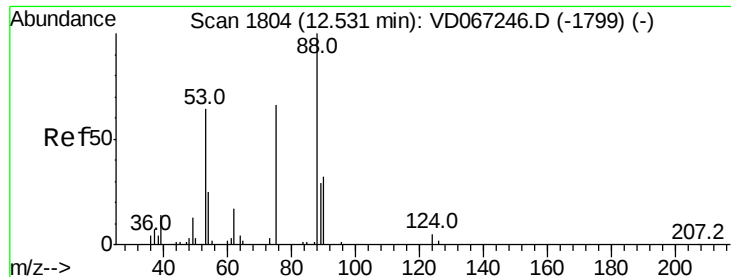
Tot Ion: 91 Resp: 520050
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.162 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 105 Resp: 688687
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.638 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

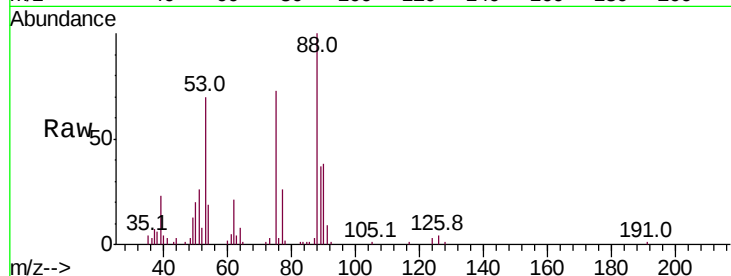
Tot Ion: 75 Resp: 37774

Ion Ratio Lower Upper

75 100

53 90.5 78.5 117.7

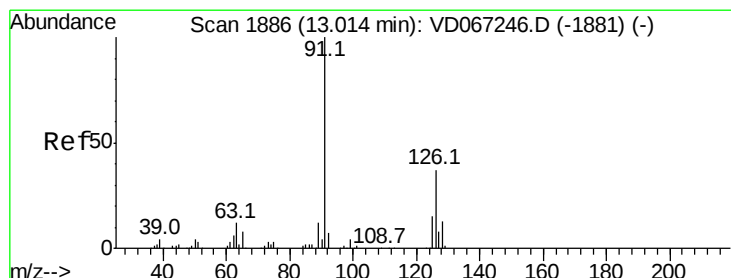
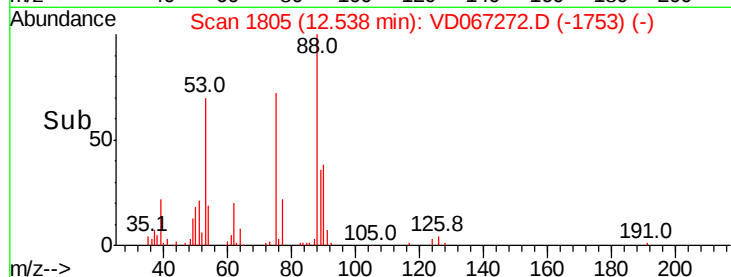
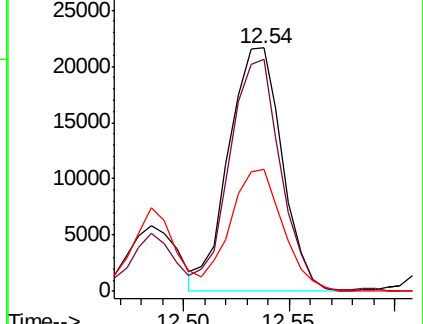
89 49.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.484 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067272.D

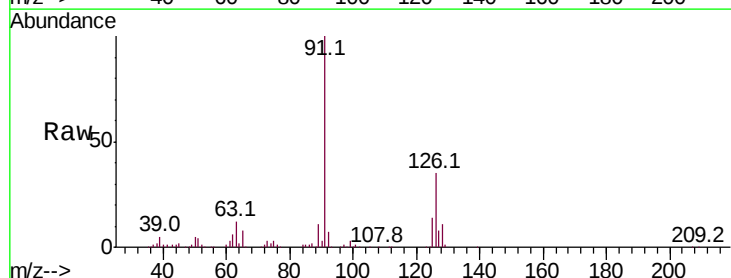
Acq: 14 Oct 2020 17:33

Tgt Ion: 91 Resp: 546626

Ion Ratio Lower Upper

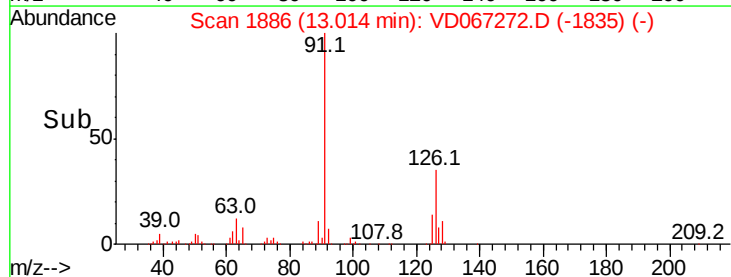
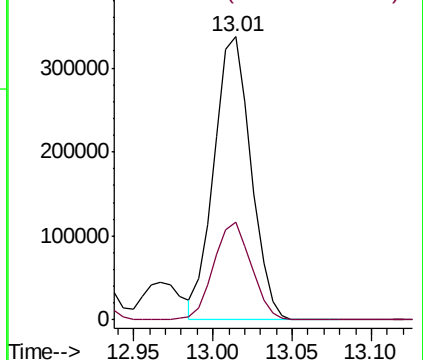
91 100

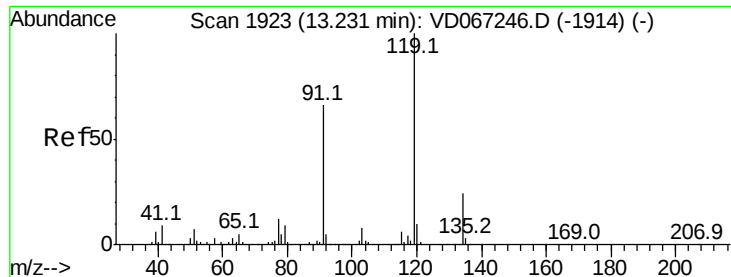
126 35.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

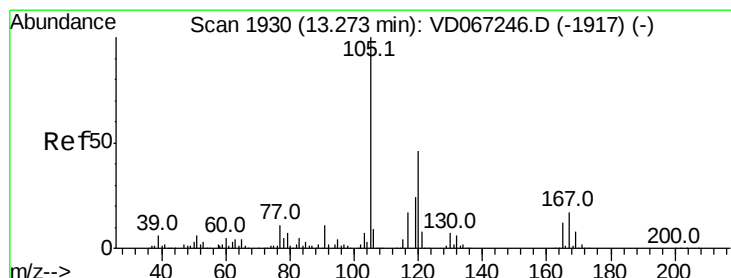
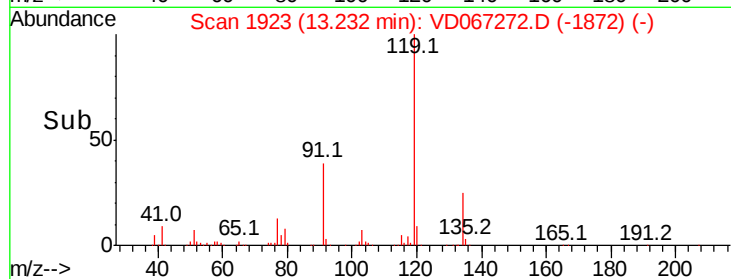
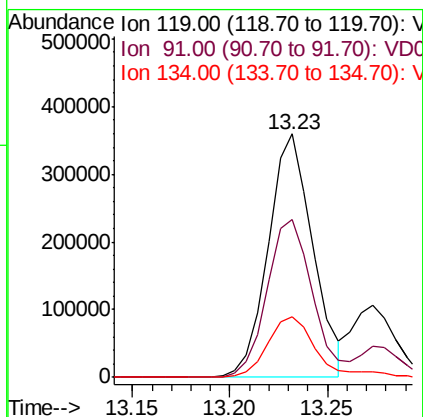
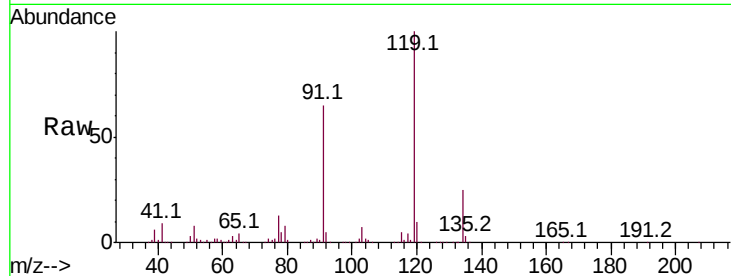




#83
tert-Butylbenzene
Concen: 50.101 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

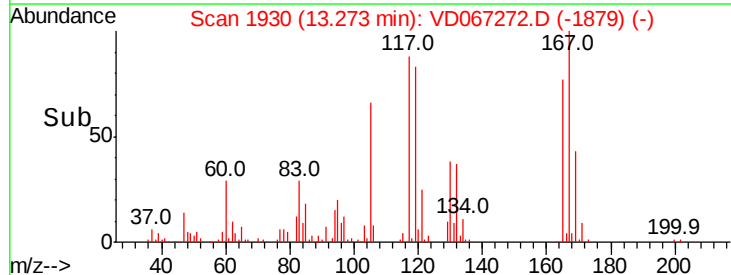
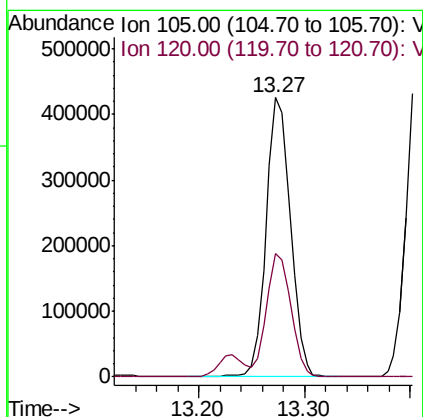
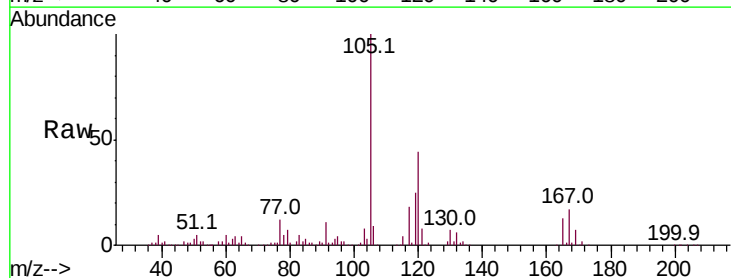
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

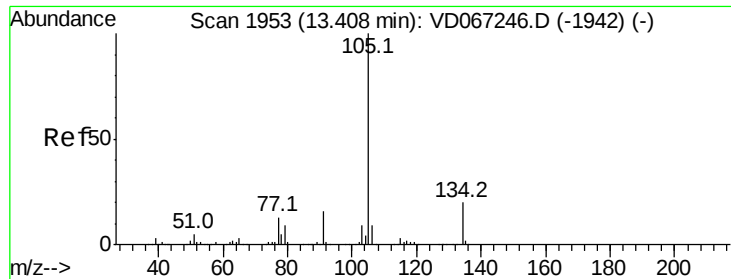
Tot Ion:119 Resp: 569673
Ion Ratio Lower Upper
119 100
91 66.7 33.1 99.2
134 27.2 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 51.179 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:105 Resp: 680903
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 49.881 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

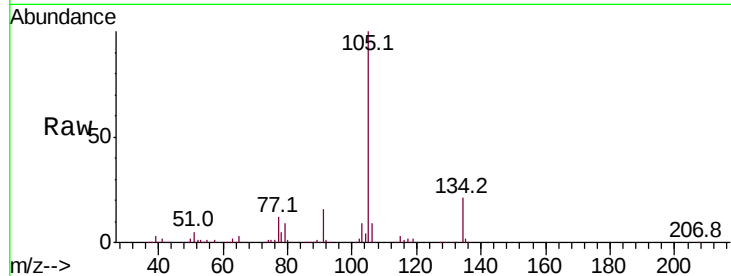
VSTDCCC050EC

Tot Ion:105 Resp: 778255

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

500000

400000

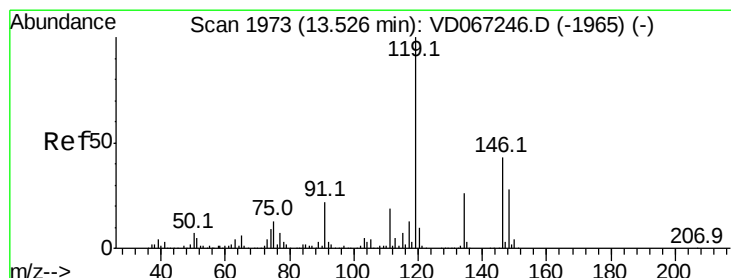
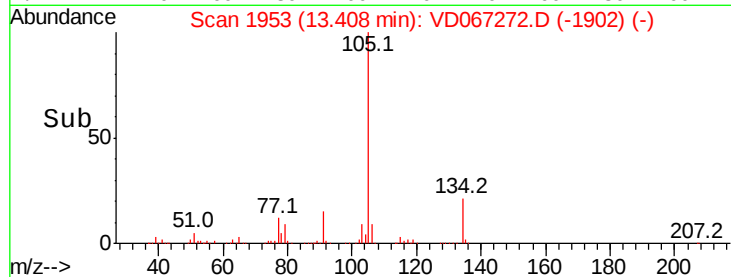
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 50.265 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067272.D

Acq: 14 Oct 2020 17:33

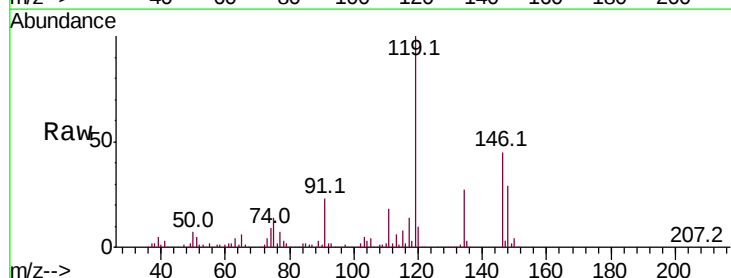
Tgt Ion:119 Resp: 740225

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 23.8 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

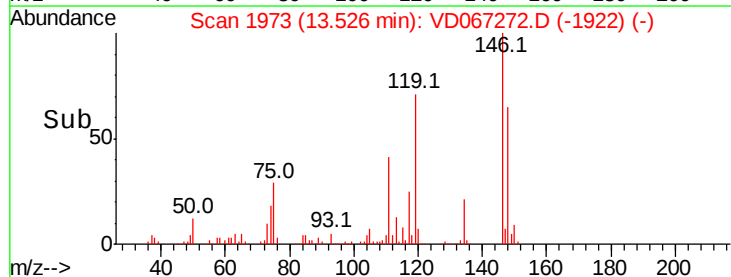
300000

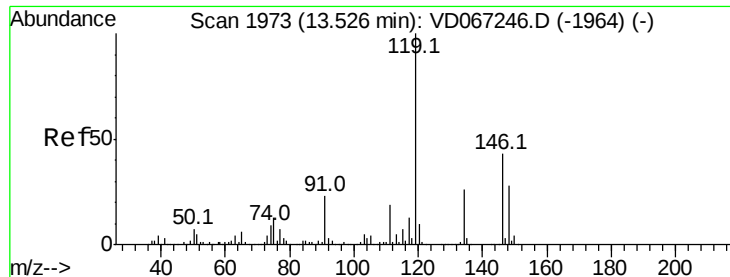
200000

100000

0

Time--> 13.45 13.50 13.55 13.60

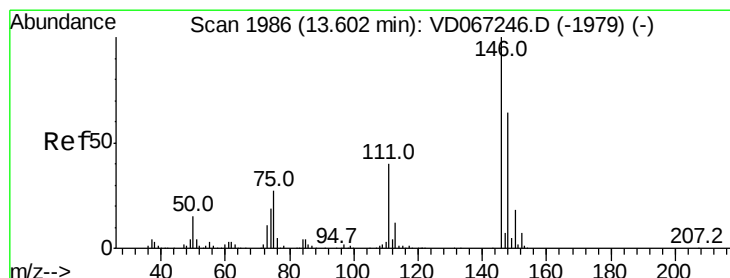
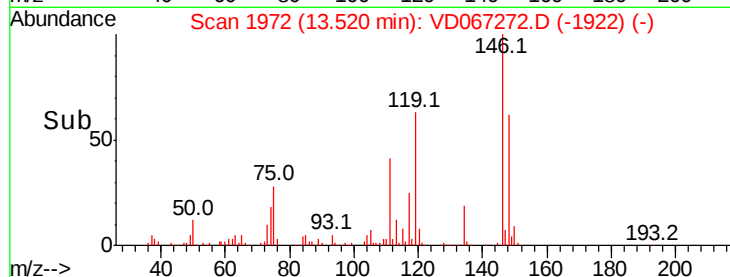
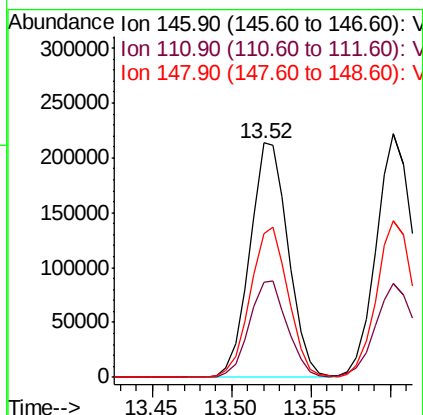
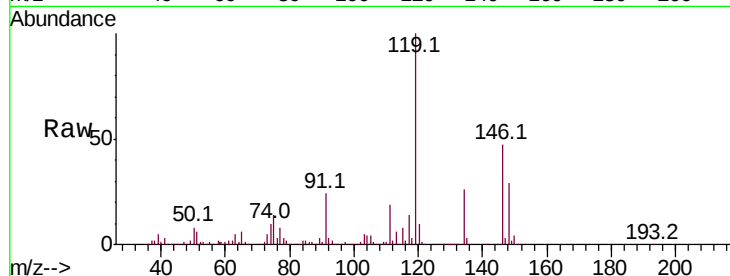




#87
 1,3-Dichlorobenzene
 Concen: 48.319 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

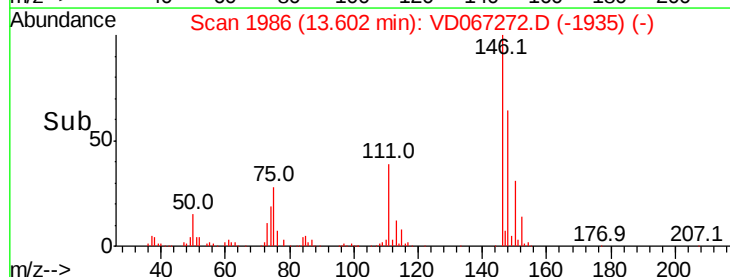
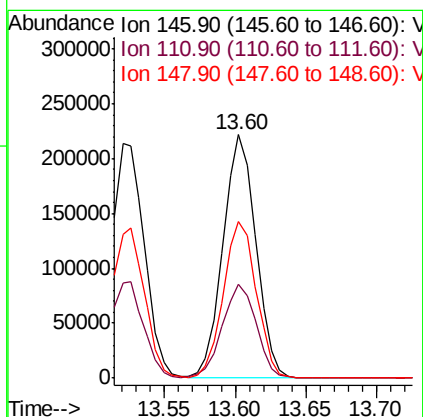
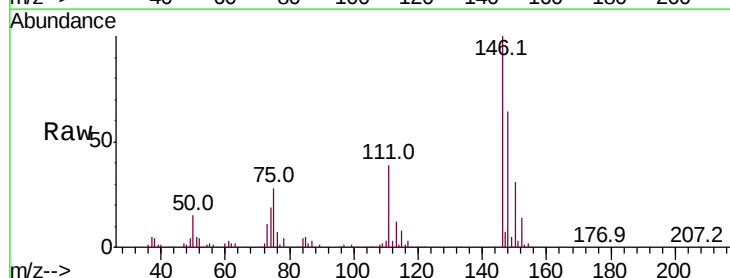
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

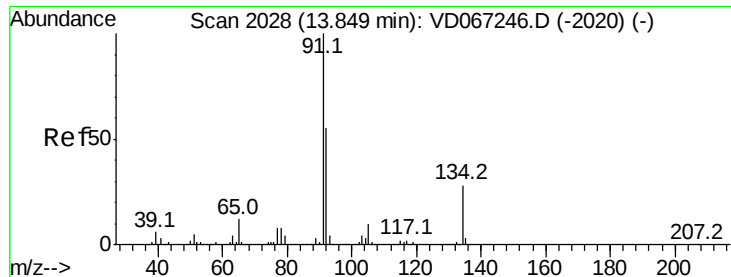
Tot Ion:146 Resp: 359164
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.3
 148 63.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 48.758 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion:146 Resp: 359077
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.7
 148 64.6 31.9 95.9

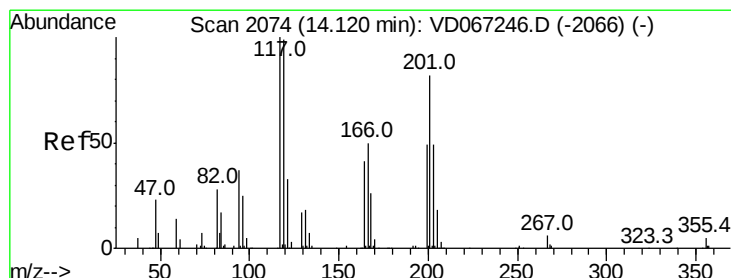
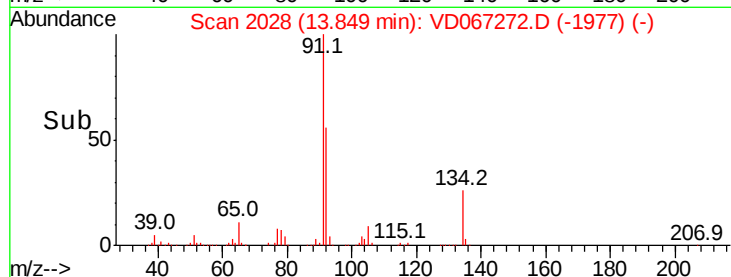
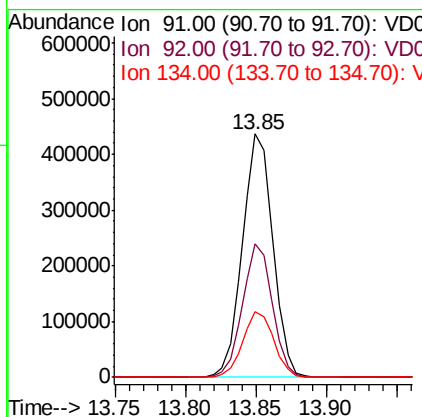
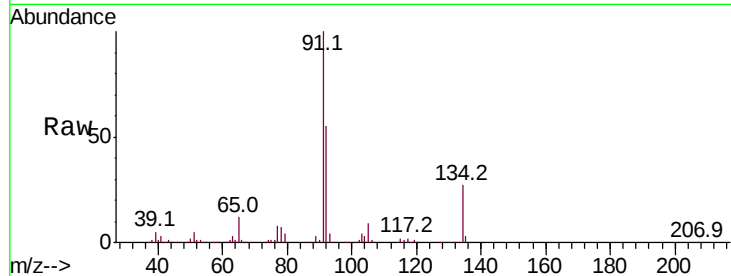




#89
n-Butylbenzene
Concen: 50.958 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

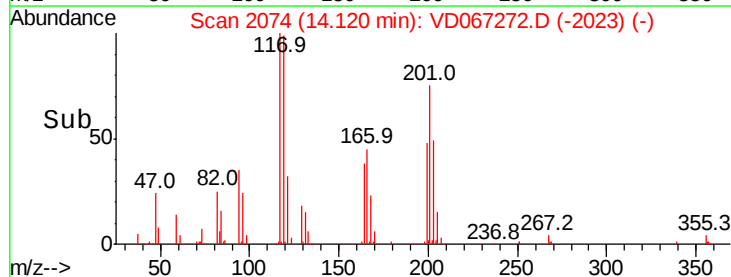
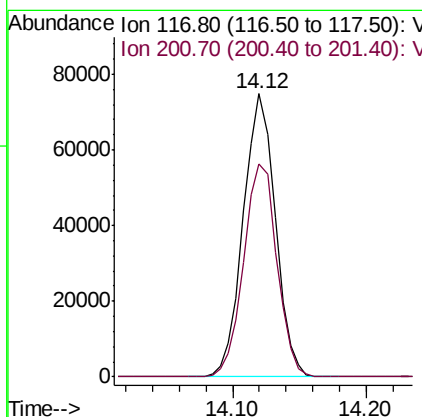
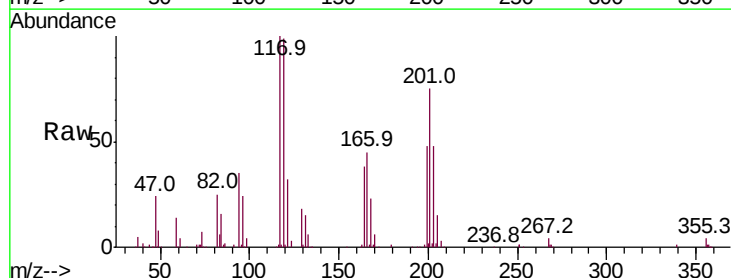
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

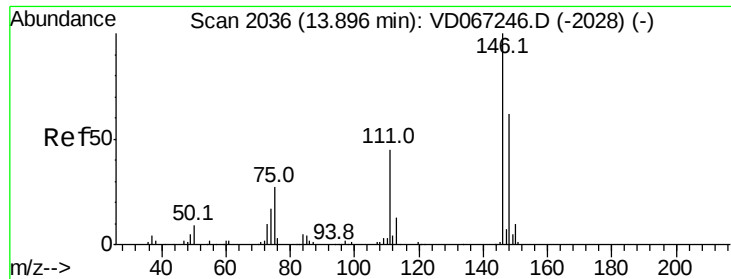
Tot Ion: 91 Resp: 660184
Ion Ratio Lower Upper
91 100
92 53.6 26.7 80.0
134 27.5 14.2 42.6



#90
Hexachloroethane
Concen: 48.435 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion: 117 Resp: 124470
Ion Ratio Lower Upper
117 100
201 77.6 40.8 122.2

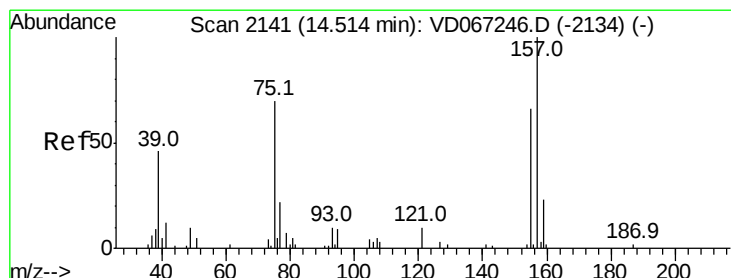
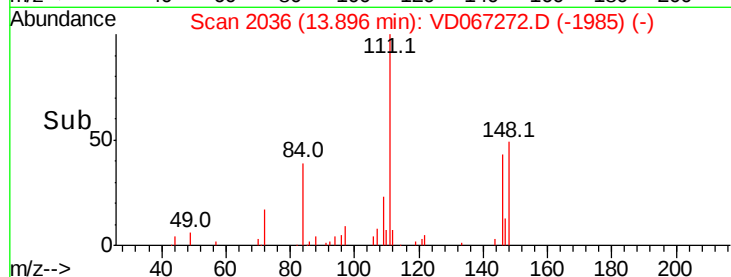
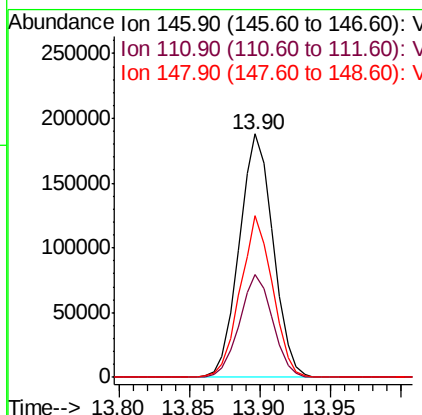
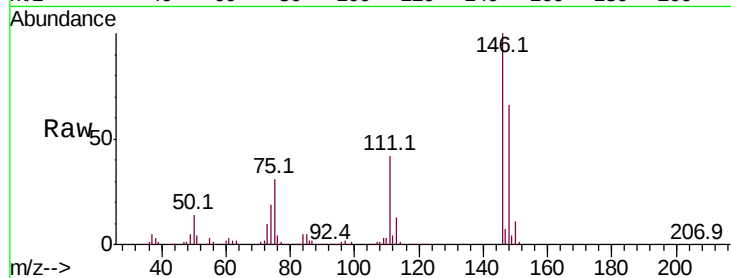




#91
 1,2-Dichlorobenzene
 Concen: 48.543 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

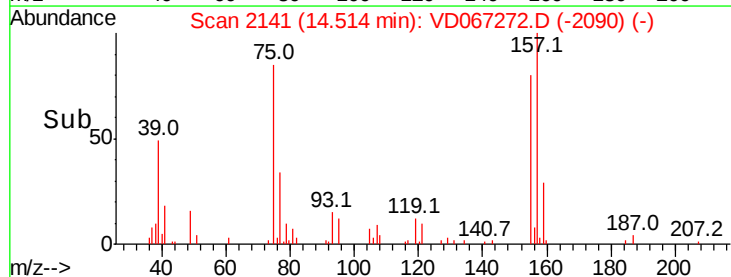
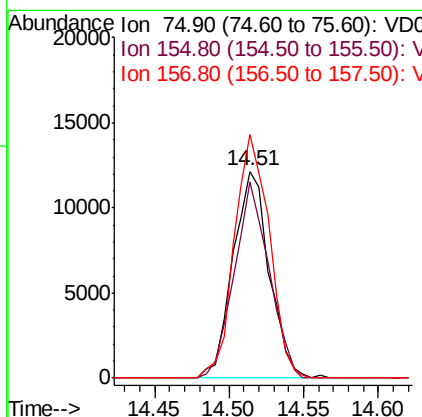
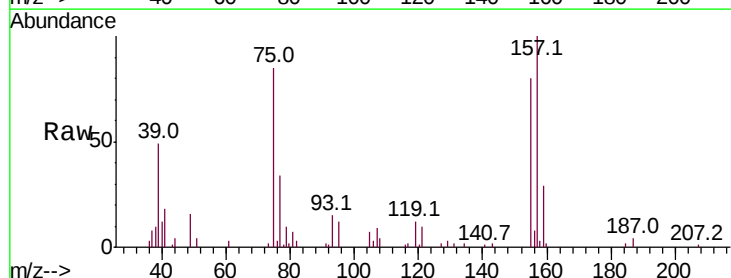
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

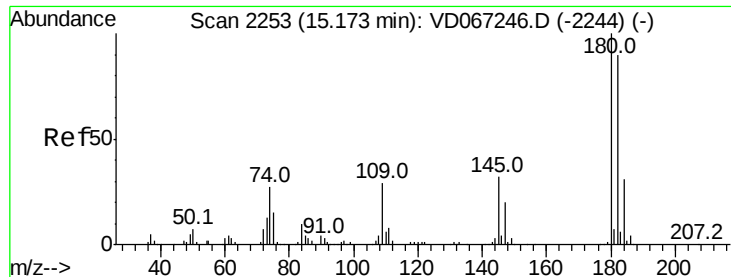
Tot Ion:146 Resp: 315217
 Ion Ratio Lower Upper
 146 100
 111 41.2 22.0 66.0
 148 63.4 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.550 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion: 75 Resp: 20503
 Ion Ratio Lower Upper
 75 100
 155 90.9 44.8 134.4
 157 113.9 62.5 187.4

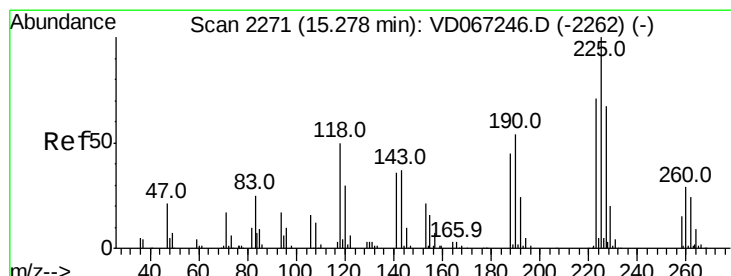
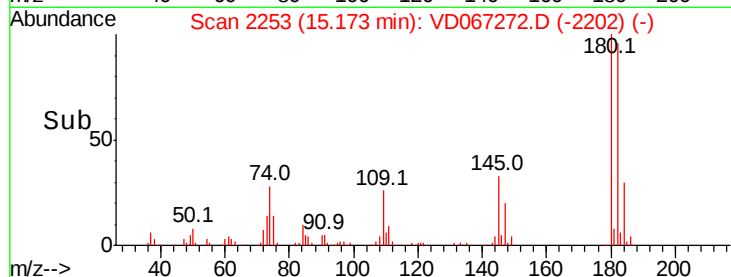
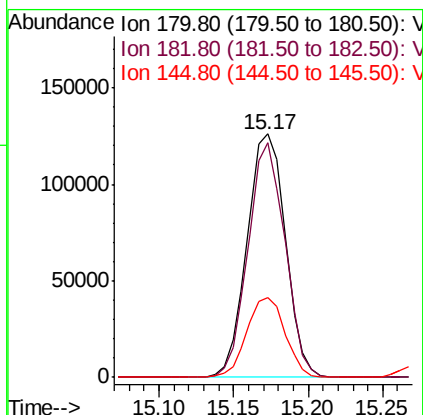
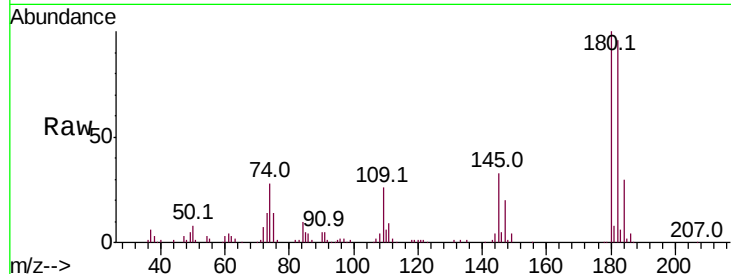




#93
 1,2,4-Trichlorobenzene
 Concen: 51.222 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

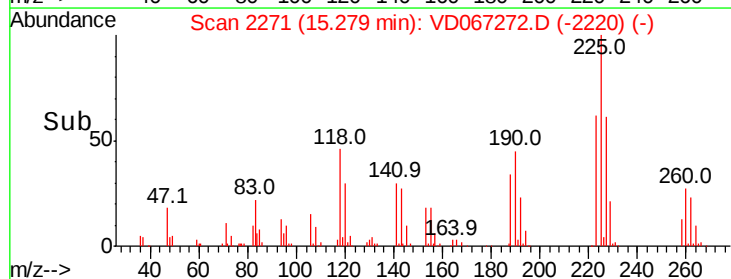
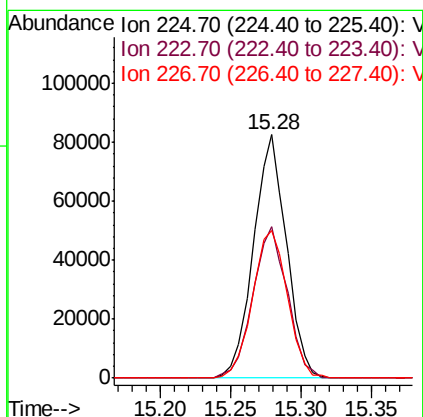
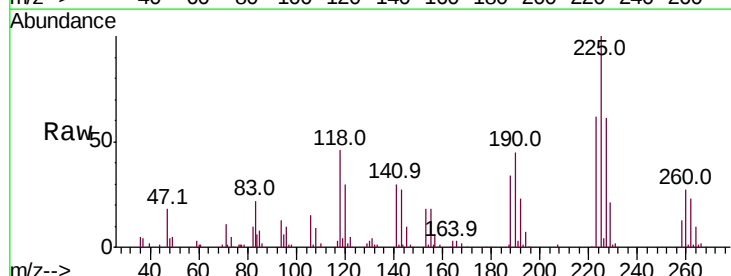
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

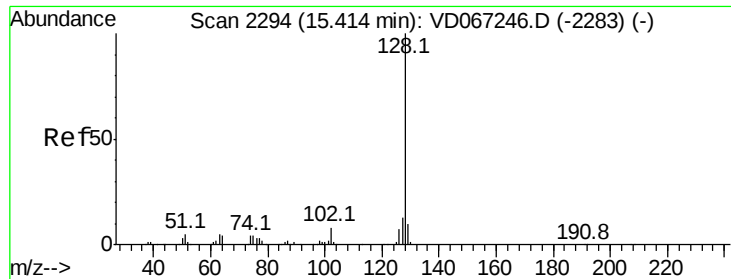
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.1	144.4
145	32.9	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 49.815 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067272.D
 Acq: 14 Oct 2020 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.9	95.7
227	64.4	31.2	93.6

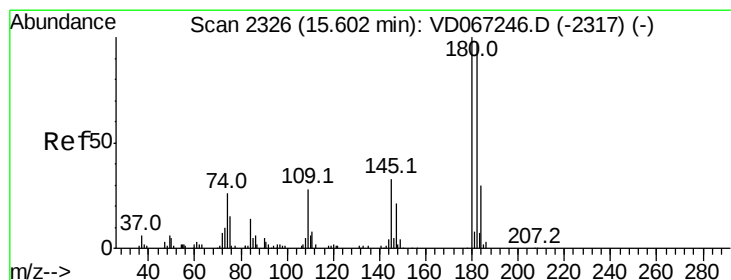
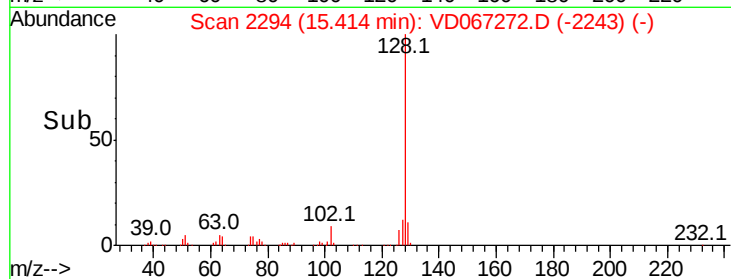
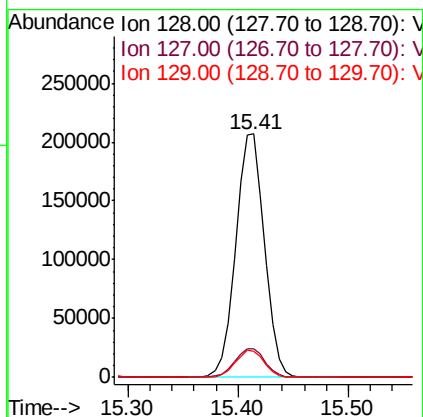
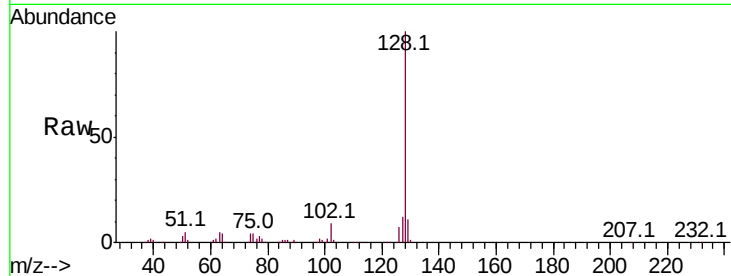




#95
Naphthalene
Concen: 52.486 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 377273
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.582 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067272.D
Acq: 14 Oct 2020 17:33

Tgt Ion:180 Resp: 195098
Ion Ratio Lower Upper
180 100
182 94.3 48.1 144.3
145 34.5 17.3 51.9

