

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066449.D
 Acq On : 27 Aug 2020 20:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 28 01:50:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	146752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	211954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	205401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	110360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91484	63.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.18%	
35) Dibromofluoromethane	7.91	113	69509	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.34	98	259937	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.63	95	93600	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54116	43.376	ug/l	99
3) Chloromethane	2.20	50	35852	40.541	ug/l	97
4) Vinyl Chloride	2.34	62	43066	45.356	ug/l	99
5) Bromomethane	2.76	94	37612	52.959	ug/l	96
6) Chloroethane	2.91	64	30524	50.205	ug/l	100
7) Trichlorofluoromethane	3.27	101	130594	50.580	ug/l	100
8) Diethyl Ether	3.70	74	29938	51.751	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	55151	43.283	ug/l	94
10) Methyl Iodide	4.30	142	63364	43.600	ug/l	92
11) Tert butyl alcohol	5.22	59	28219	361.791	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	54460	45.532	ug/l	96
13) Acrolein	3.93	56	10655	166.772	ug/l	97
14) Allyl chloride	4.71	41	69774	43.705	ug/l #	82
15) Acrylonitrile	5.43	53	59072	254.502	ug/l	96
16) Acetone	4.16	43	53038	204.477	ug/l	94
17) Carbon Disulfide	4.40	76	160378	44.244	ug/l	100
18) Methyl Acetate	4.71	43	25132	51.624	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	168867	58.634	ug/l	99
20) Methylene Chloride	4.96	84	66868	47.988	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	66772	47.958	ug/l	97
22) Diisopropyl ether	6.36	45	144515	46.754	ug/l	94
23) Vinyl Acetate	6.30	43	473618	247.516	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	106164	48.603	ug/l	96
25) 2-Butanone	7.21	43	70438	239.207	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	112951	48.247	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	77413	51.891	ug/l	97
28) Bromochloromethane	7.54	49	40632	54.003	ug/l	91
29) Tetrahydrofuran	7.56	42	38854	232.308	ug/l #	87
30) Chloroform	7.71	83	142473	56.375	ug/l	97
31) Cyclohexane	7.98	56	71350	35.716	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	145736	56.345	ug/l	99
36) 1,1-Dichloropropene	8.11	75	89253	46.151	ug/l	99
37) Ethyl Acetate	7.29	43	31828	48.388	ug/l #	93
38) Carbon Tetrachloride	8.09	117	139562	55.390	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98373	43.181	ug/l	92
40) Benzene	8.34	78	256769	50.470	ug/l	95
41) Methacrylonitrile	7.55	41	32566	80.285	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	113395	63.283	ug/l	97
43) Isopropyl Acetate	8.45	43	66010	49.999	ug/l #	58
44) Trichloroethene	9.10	130	82222	49.737	ug/l	97
45) 1,2-Dichloropropane	9.38	63	51972	45.060	ug/l	90
46) Dibromomethane	9.47	93	39499	55.003	ug/l	96
47) Bromodichloromethane	9.66	83	115191	58.328	ug/l	98
48) Methyl methacrylate	9.45	41	35093	51.547	ug/l #	86
49) 1,4-Dioxane	9.46	88	9377	1124.537	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	162569	254.542	ug/l	99
52) Toluene	10.40	92	181621	52.692	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	98285	52.449	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	107669	51.188	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	49198	50.606	ug/l	96
56) Ethyl methacrylate	10.66	69	60467	53.729	ug/l #	91
57) 1,3-Dichloropropane	10.94	76	84552	52.580	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	118233	252.952	ug/l	91
59) 2-Hexanone	10.98	43	116206	257.950	ug/l	99
60) Dibromochloromethane	11.14	129	83421	56.927	ug/l	99
61) 1,2-Dibromoethane	11.24	107	48973	51.188	ug/l	98
64) Tetrachloroethene	10.87	164	76886	49.344	ug/l	98
65) Chlorobenzene	11.67	112	210641	51.546	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	89655	53.685	ug/l	98
67) Ethyl Benzene	11.74	91	354157	49.235	ug/l	95
68) m/p-Xylenes	11.85	106	275083	100.332	ug/l	96
69) o-Xylene	12.18	106	128372	50.330	ug/l	100
70) Styrene	12.20	104	227697	51.991	ug/l	97
71) Bromoform	12.36	173	51699	54.565	ug/l #	98
73) Isopropylbenzene	12.48	105	362086	48.977	ug/l	100
74) N-amyl acetate	12.29	43	61168	45.810	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	45090	42.695	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	75723	97.532	ug/l	20
77) Bromobenzene	12.76	156	96180	51.257	ug/l	96
78) n-propylbenzene	12.82	91	392920	46.353	ug/l	97
79) 2-Chlorotoluene	12.91	91	238140	49.188	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	316994	49.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16613	45.421	ug/l	88
82) 4-Chlorotoluene	13.00	91	252106	49.150	ug/l	99
83) tert-Butylbenzene	13.23	119	274438	49.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	323328	51.571	ug/l	98
85) sec-Butylbenzene	13.40	105	338378	46.582	ug/l	98
86) p-Isopropyltoluene	13.52	119	340571	48.622	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	173614	49.566	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175859	50.004	ug/l	99
89) n-Butylbenzene	13.84	91	276739	44.772	ug/l	99
90) Hexachloroethane	14.11	117	64714	46.770	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	161103	53.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12991	58.649	ug/l	82

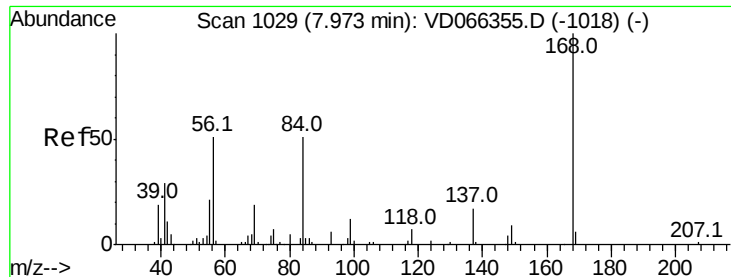
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119155	50.618	ug/l	99
94) Hexachlorobutadiene	15.27	225	70473	48.174	ug/l	98
95) Naphthalene	15.41	128	201953	54.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	107835	53.475	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

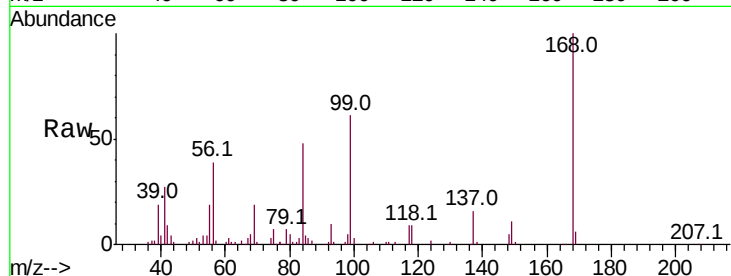
VSTDCCC050EC

Tot Ion:168 Resp: 146752

Ion Ratio Lower Upper

168 100

99 61.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

60000

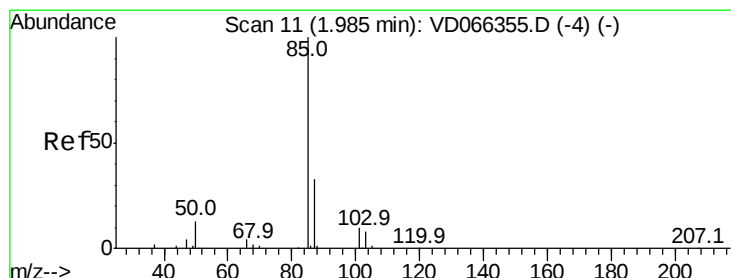
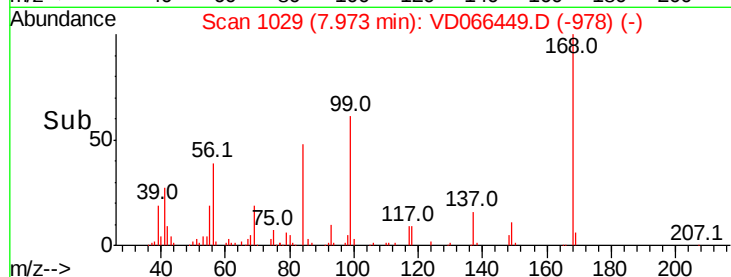
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.376 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066449.D

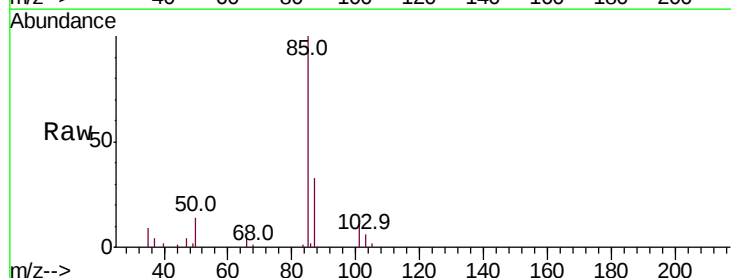
Acq: 27 Aug 2020 20:57

Tgt Ion: 85 Resp: 54116

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

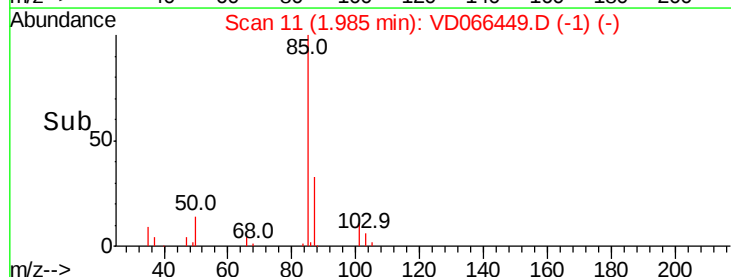
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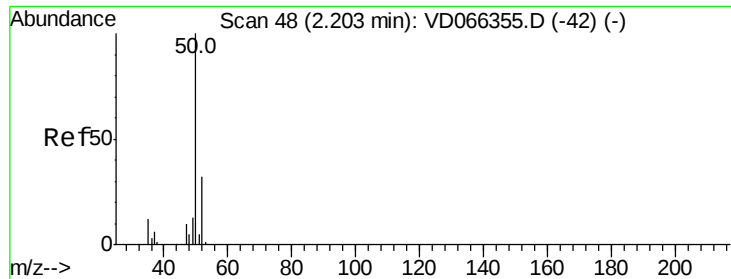
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.541 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

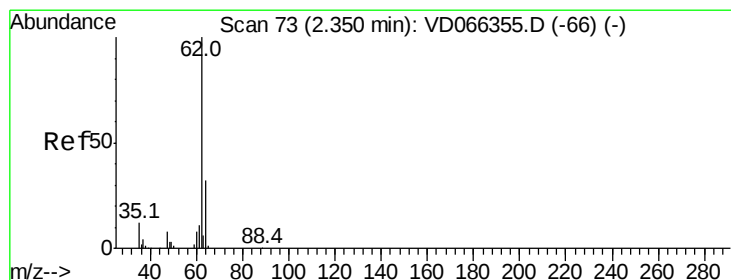
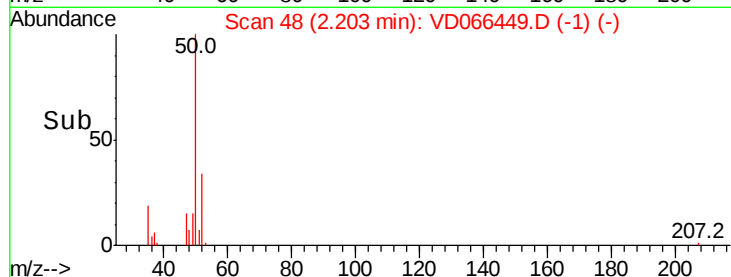
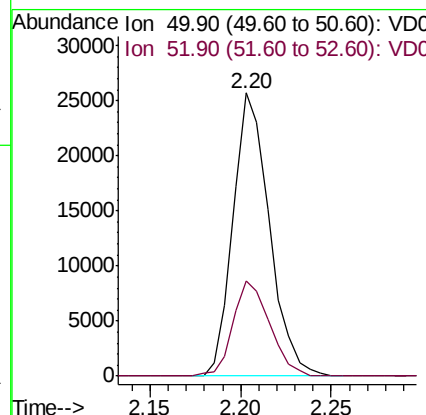
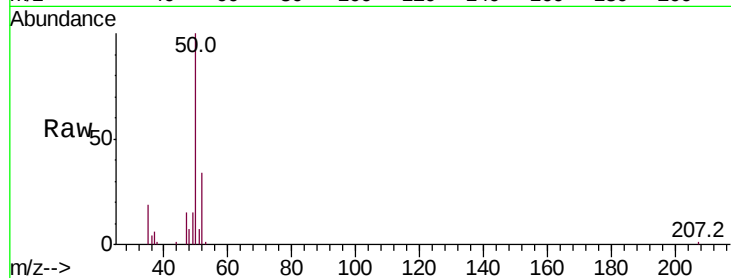
VSTDCCC050EC

Tot Ion: 50 Resp: 35852

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



#4

Vinyl Chloride

Concen: 45.356 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066449.D

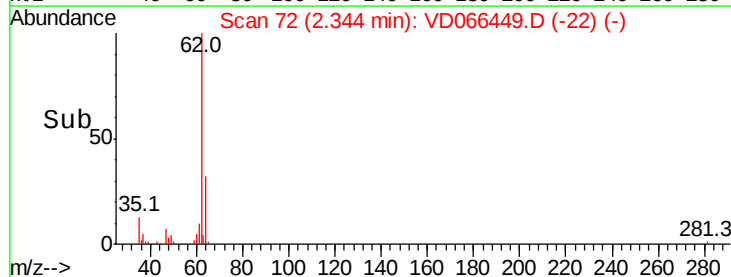
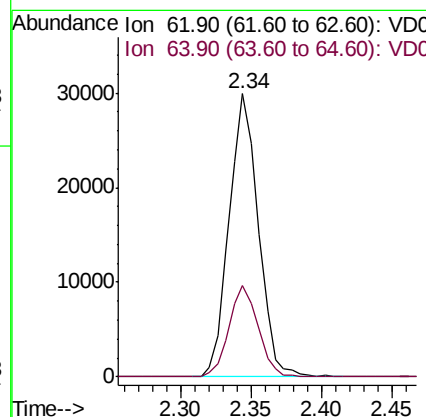
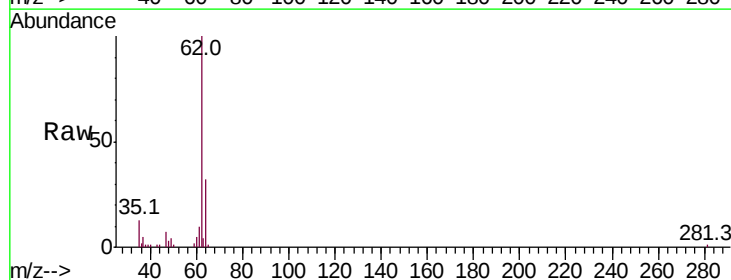
Acq: 27 Aug 2020 20:57

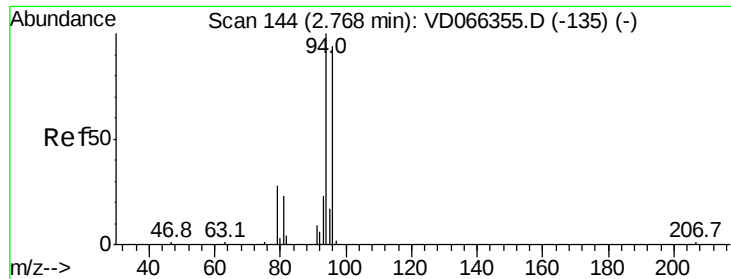
Tgt Ion: 62 Resp: 43066

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 52.959 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

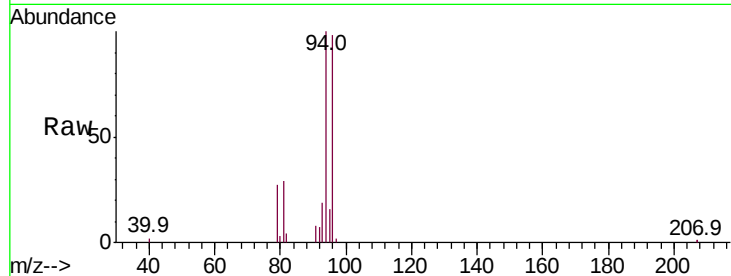
VSTDCCC050EC

Tot Ion: 94 Resp: 37612

Ion Ratio Lower Upper

94 100

96 97.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

15000

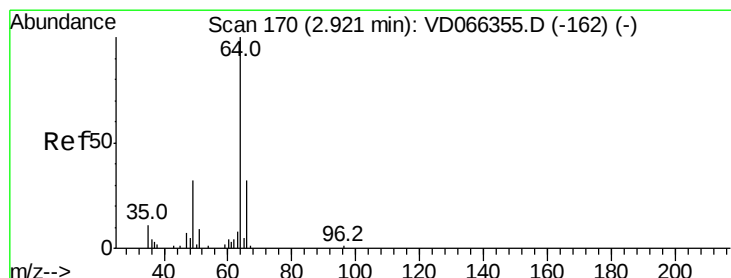
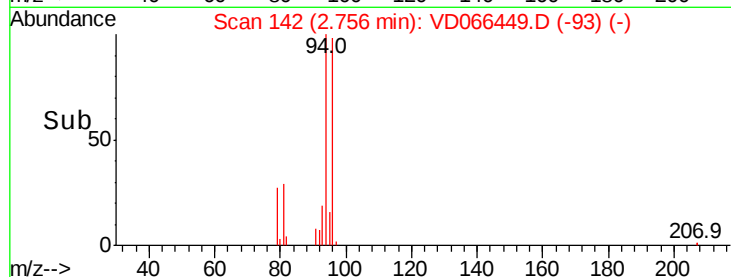
10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85

2.76



#6

Chloroethane

Concen: 50.205 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066449.D

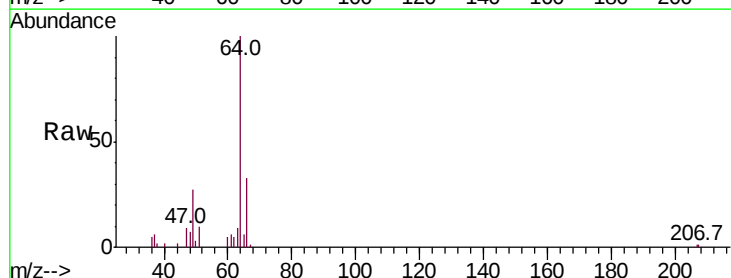
Acq: 27 Aug 2020 20:57

Tgt Ion: 64 Resp: 30524

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

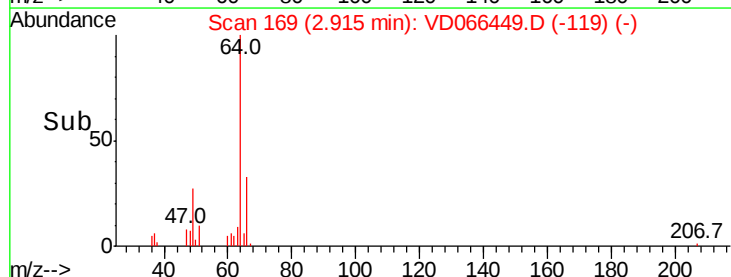
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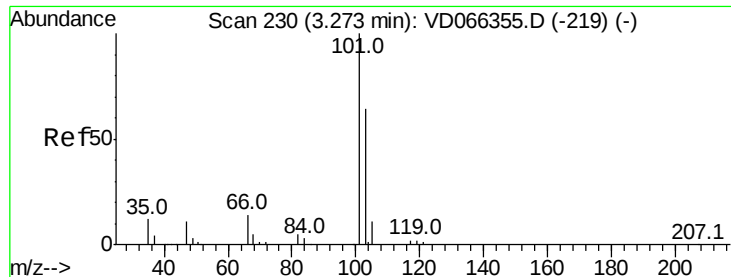
5000

0

Time--> 2.85 2.90 2.95 3.00

2.91





#7

Trichlorofluoromethane

Concen: 50.580 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

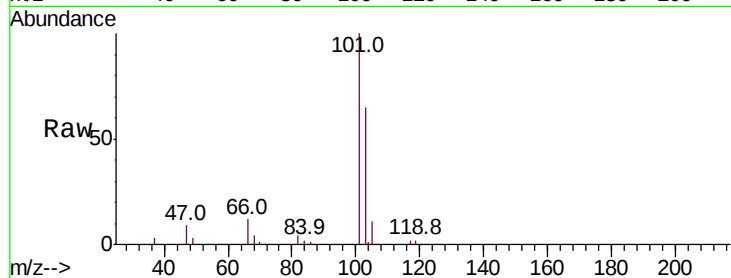
VSTDCCC050EC

Tot Ion:101 Resp: 130594

Ion Ratio Lower Upper

101 100

103 64.5 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

60000

50000

40000

30000

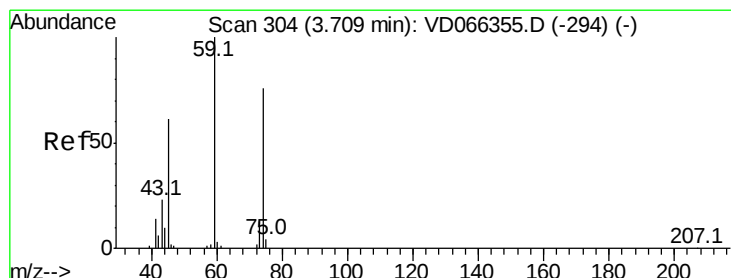
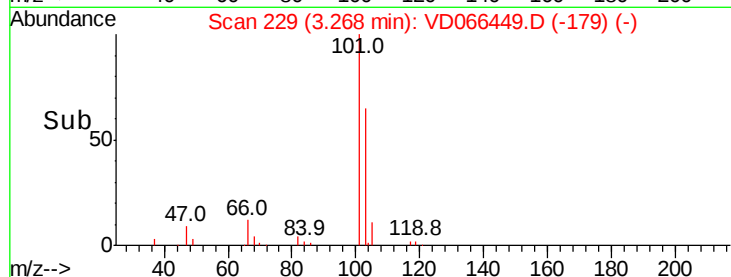
20000

10000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 51.751 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066449.D

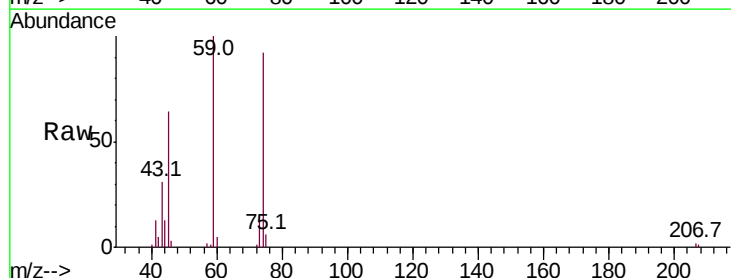
Acq: 27 Aug 2020 20:57

Tgt Ion: 74 Resp: 29938

Ion Ratio Lower Upper

74 100

45 76.3 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

15000

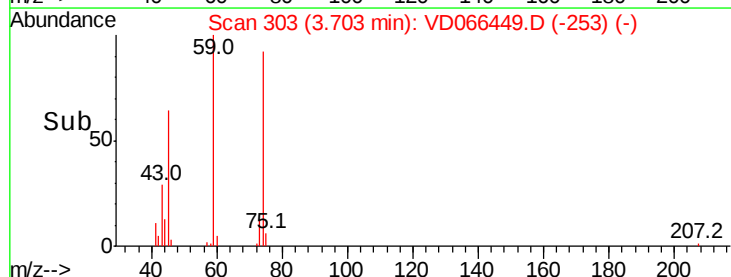
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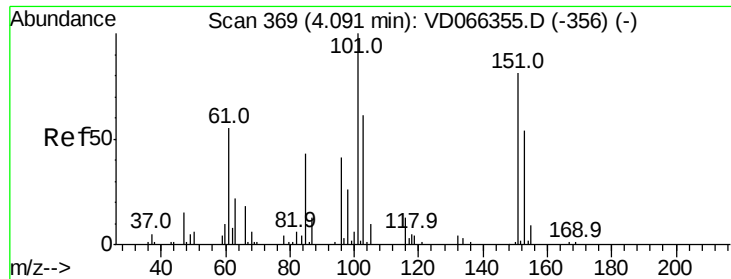
5000

0

Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.283 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

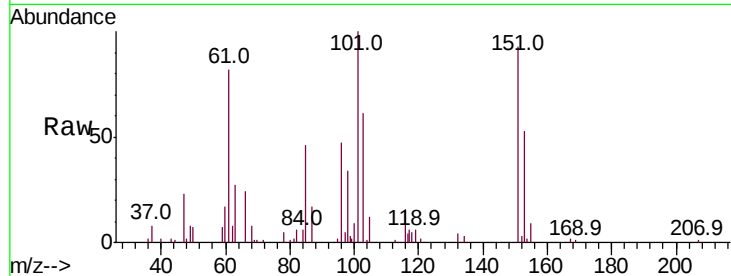
Tot Ion:101 Resp: 55151

Ion Ratio Lower Upper

101 100

85 48.3 36.4 54.6

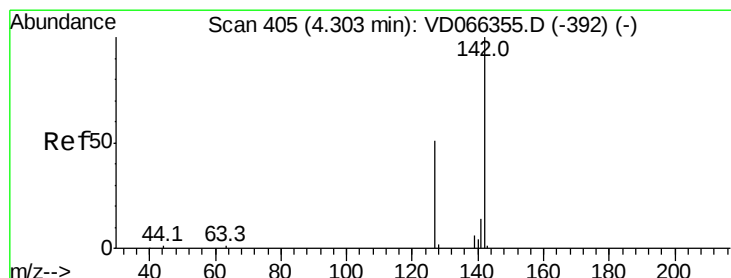
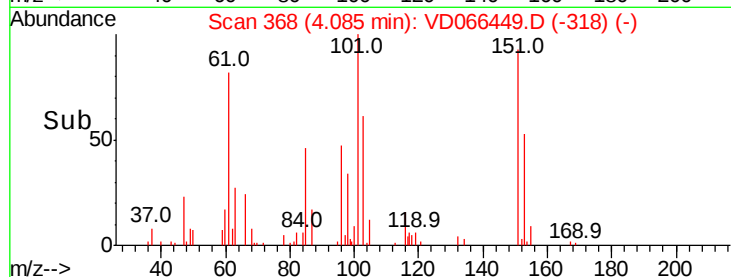
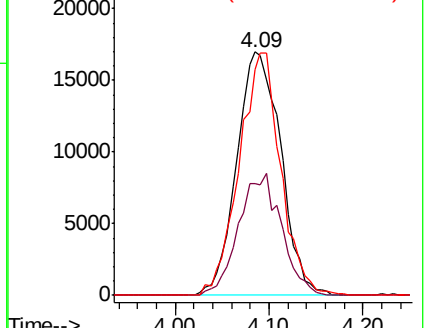
151 93.9 70.5 105.7



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: 43.600 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

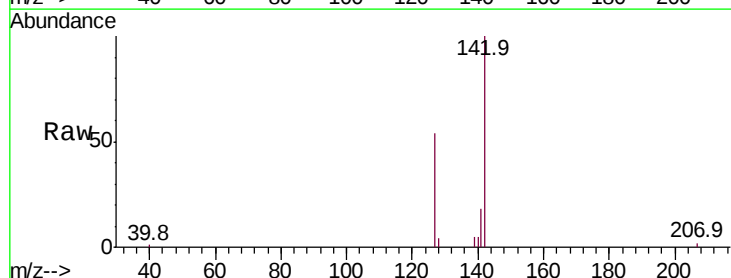
Tgt Ion:142 Resp: 63364

Ion Ratio Lower Upper

142 100

127 59.5 41.8 62.8

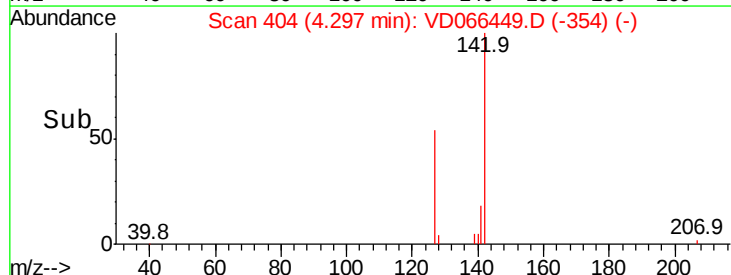
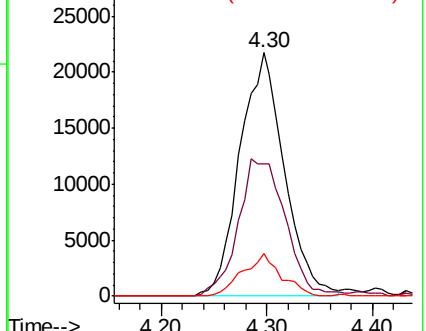
141 15.2 11.8 17.6

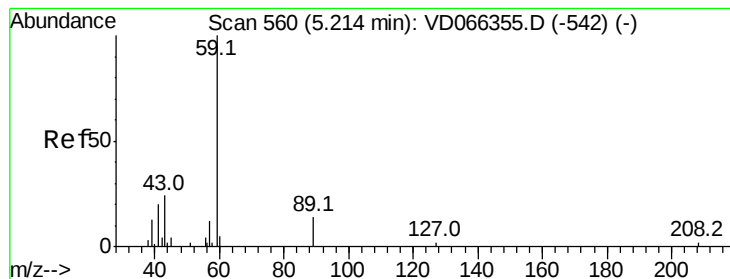


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



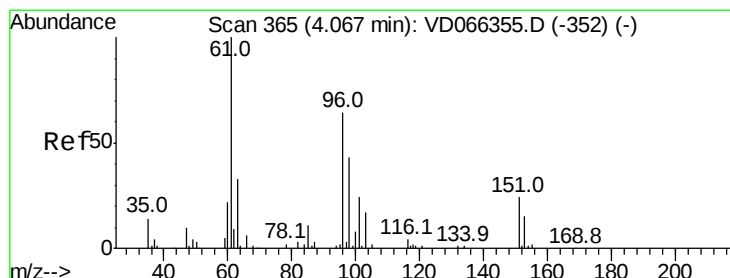
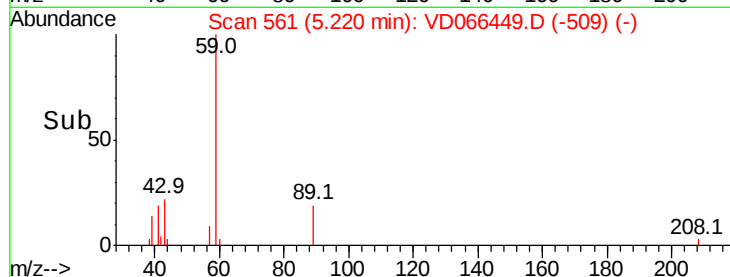
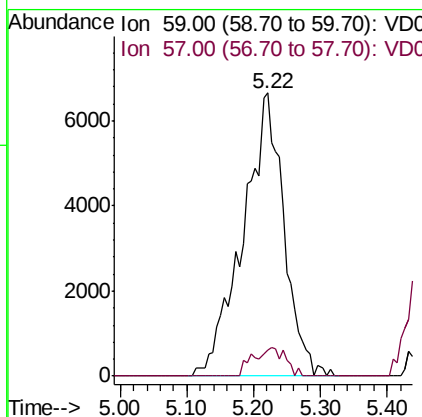
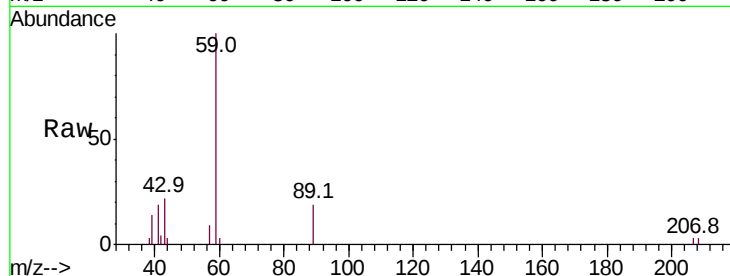


#11

Tert butyl alcohol
 Concen: 361.791 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

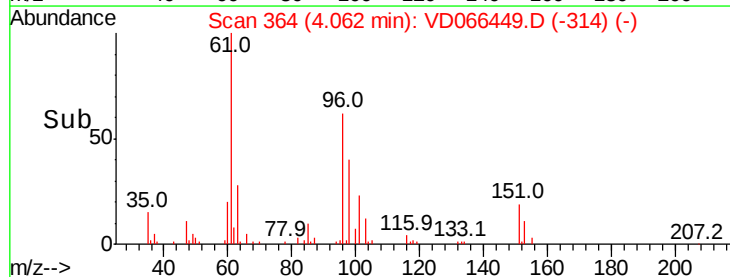
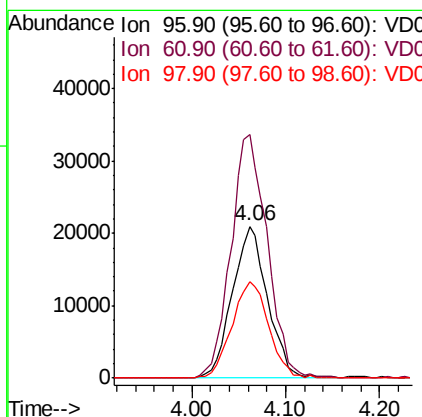
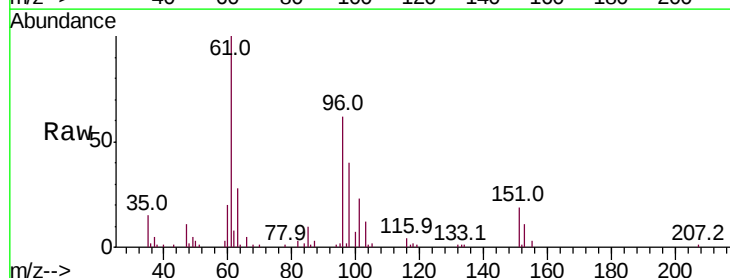
Tot Ion: 59 Resp: 28219
 Ion Ratio Lower Upper
 59 100
 57 8.0 9.0 13.4#

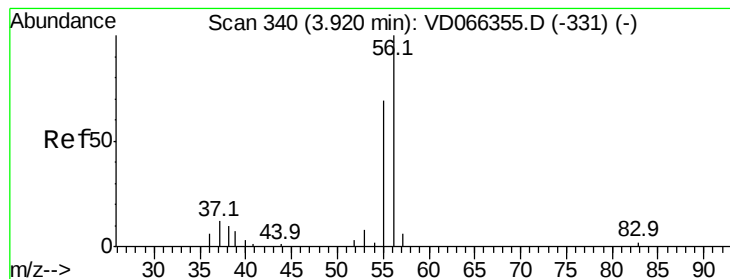


#12

1,1-Dichloroethene
 Concen: 45.532 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion: 96 Resp: 54460
 Ion Ratio Lower Upper
 96 100
 61 160.4 124.3 186.5
 98 63.8 53.2 79.8





#13

Acrolein

Concen: 166.772 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

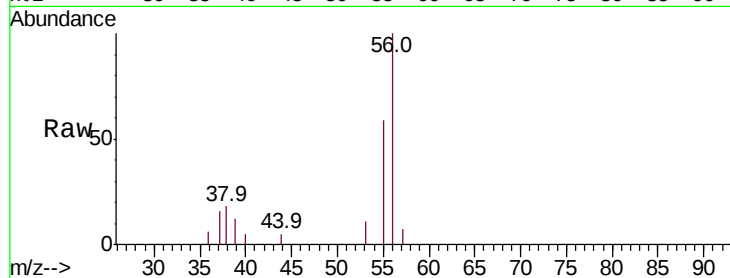
VSTDCCC050EC

Tot Ion: 56 Resp: 10655

Ion Ratio Lower Upper

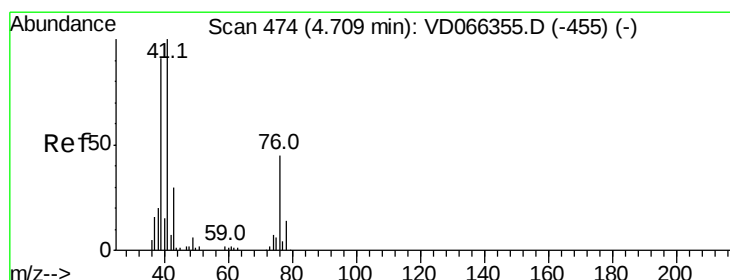
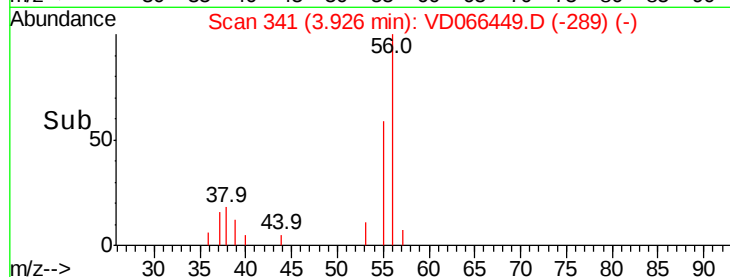
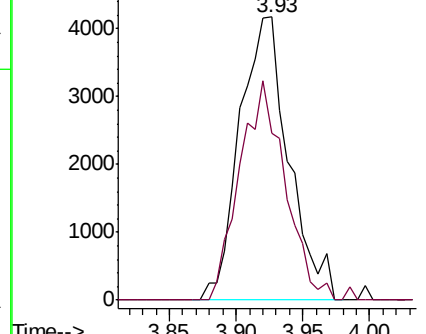
56 100

55 71.7 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.705 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

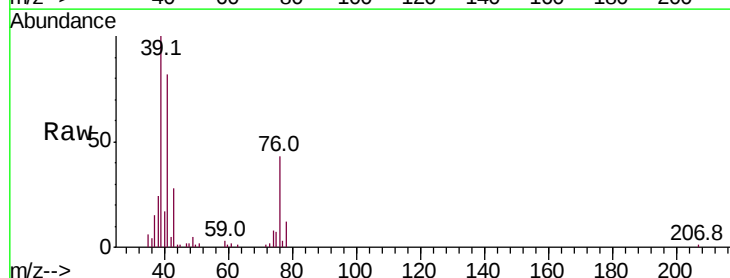
Tgt Ion: 41 Resp: 69774

Ion Ratio Lower Upper

41 100

39 112.3 72.8 109.2#

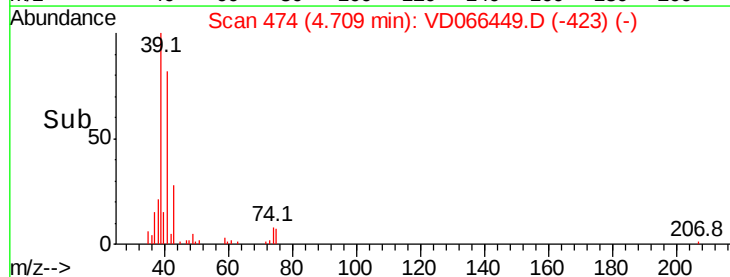
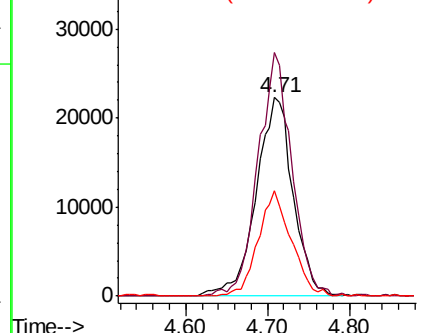
76 47.4 34.0 51.0

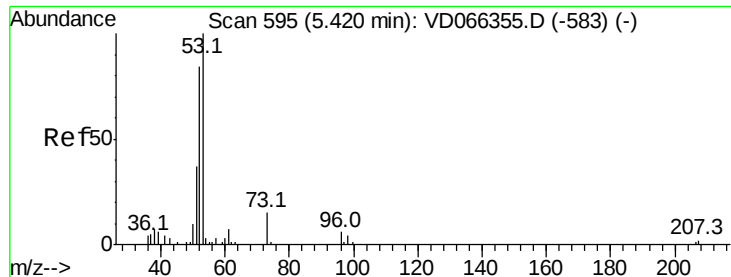


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 254.502 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

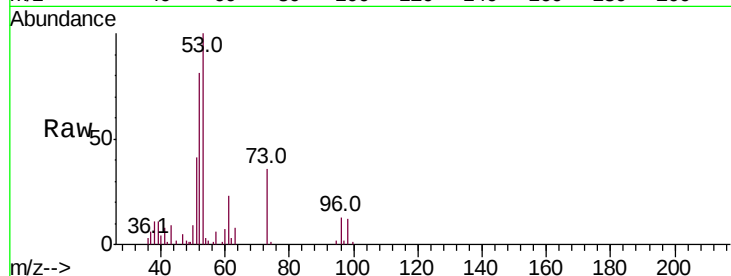
Tot Ion: 53 Resp: 59072

Ion Ratio Lower Upper

53 100

52 80.2 68.1 102.1

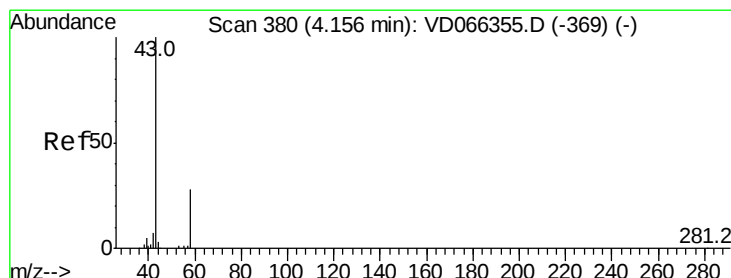
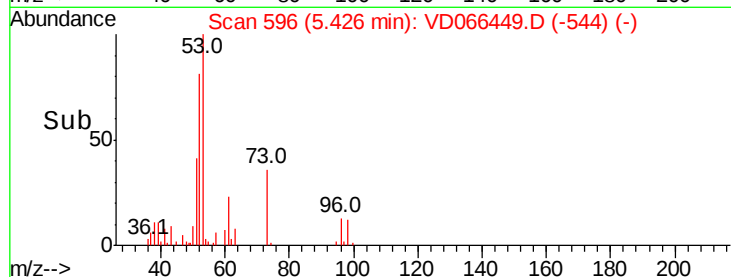
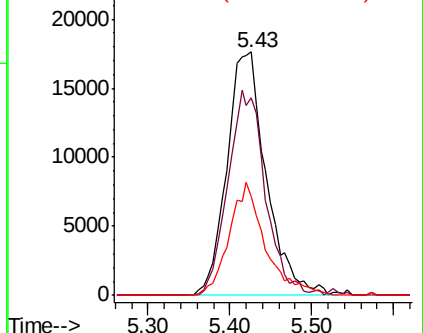
51 42.3 33.8 50.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 204.477 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066449.D

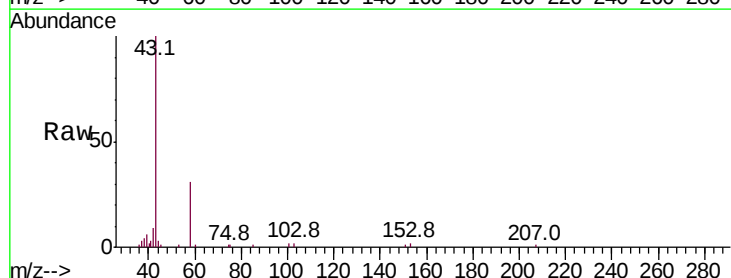
Acq: 27 Aug 2020 20:57

Tgt Ion: 43 Resp: 53038

Ion Ratio Lower Upper

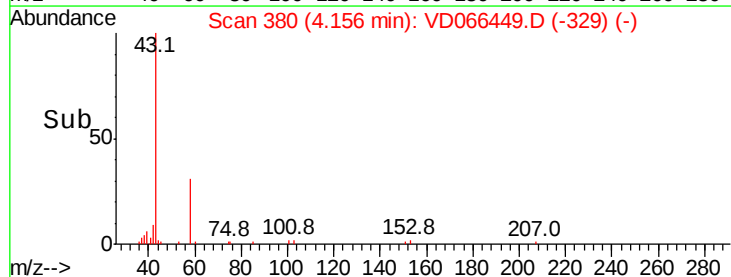
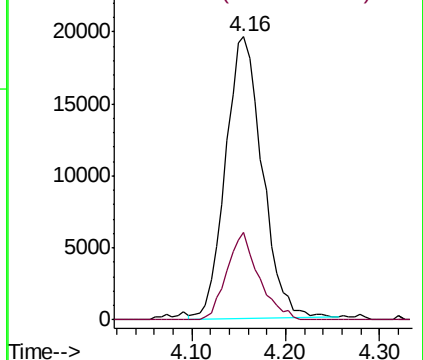
43 100

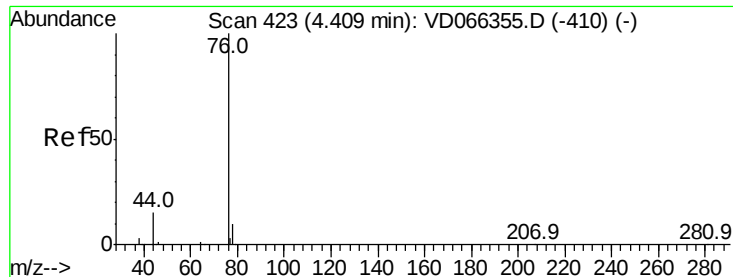
58 31.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

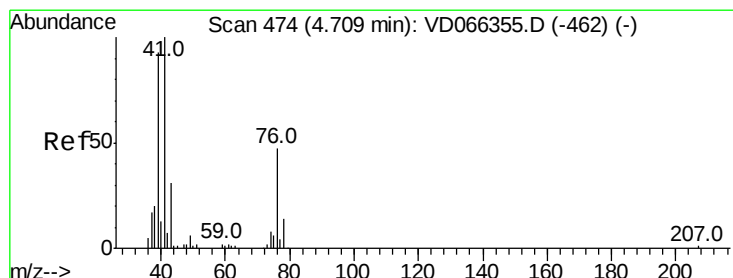
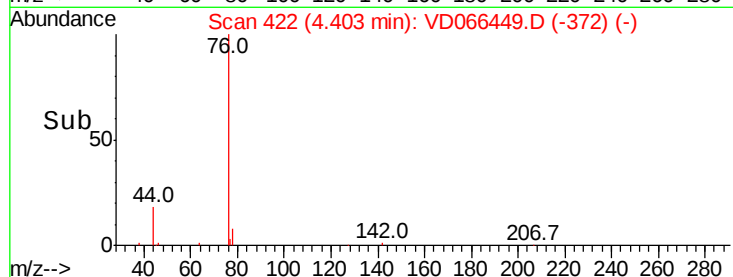
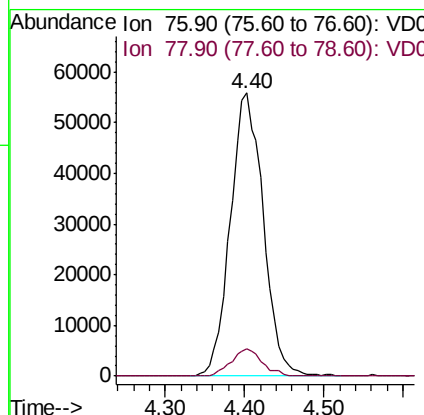
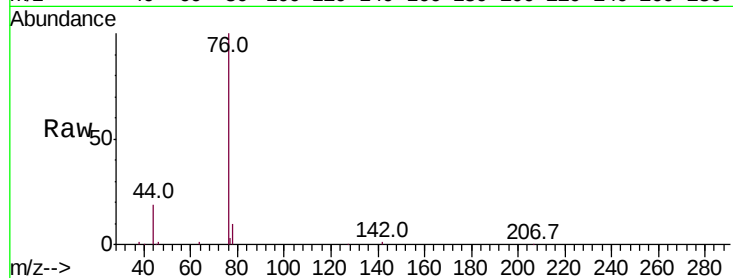




#17
Carbon Disulfide
Concen: 44.244 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

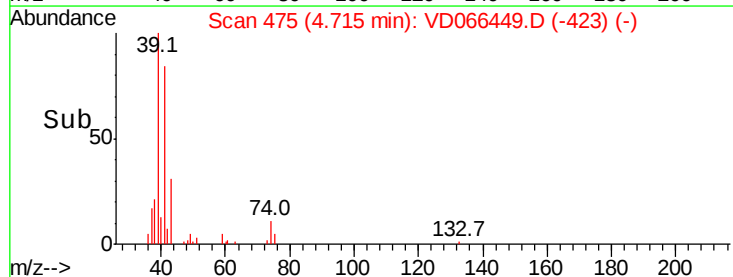
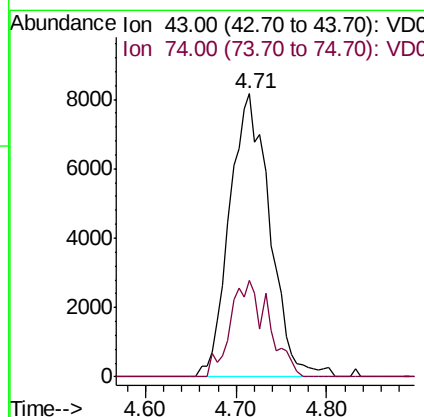
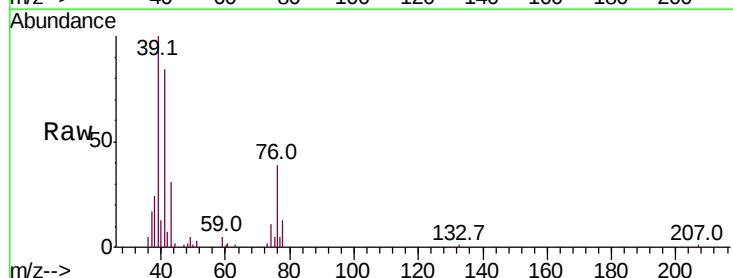
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

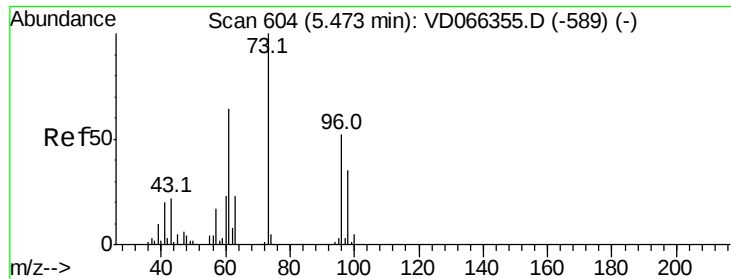
Tot Ion: 76 Resp: 160378
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5



#18
Methyl Acetate
Concen: 51.624 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 43 Resp: 25132
Ion Ratio Lower Upper
43 100
74 32.5 21.0 31.6#

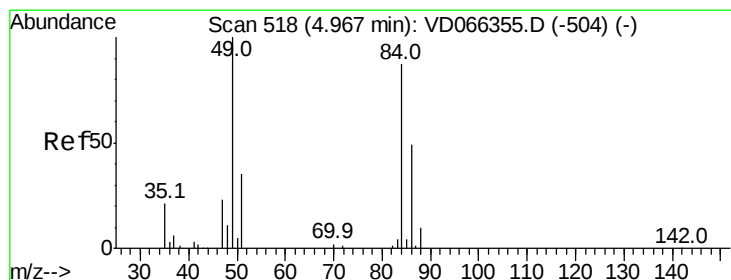
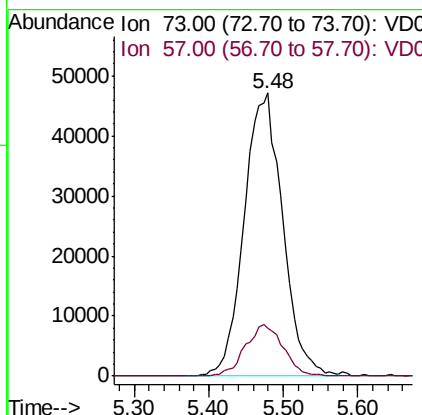
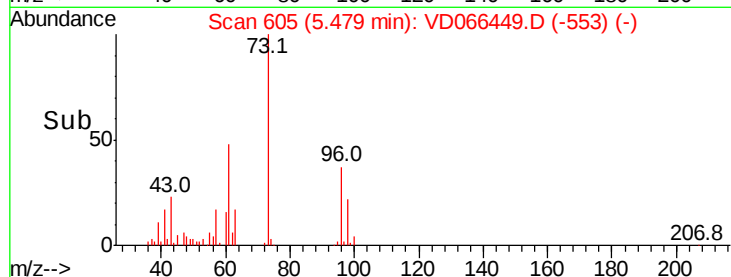
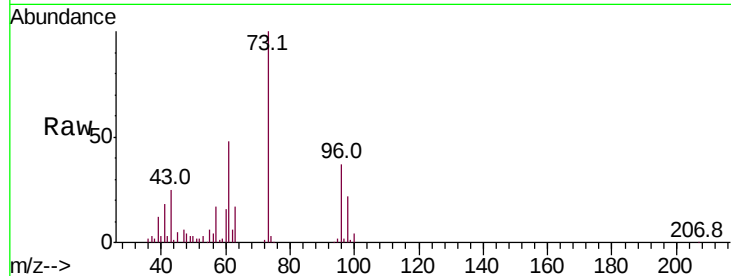




#19
Methvl tert-butvl Ether
Concen: 58.634 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

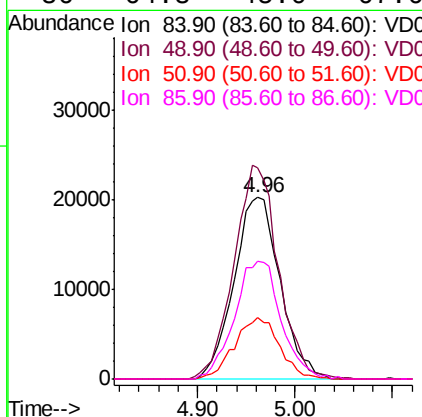
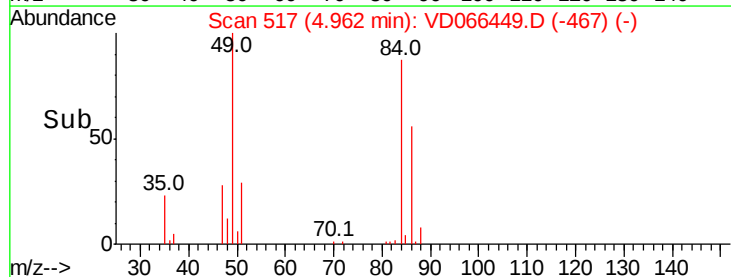
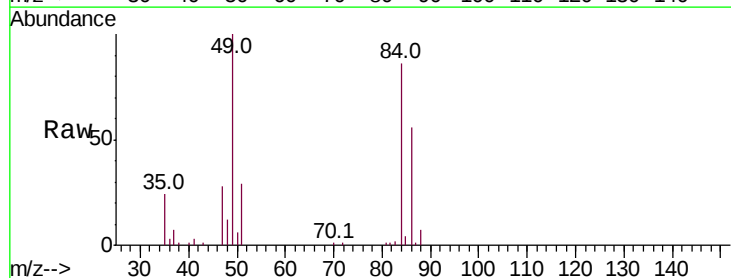
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

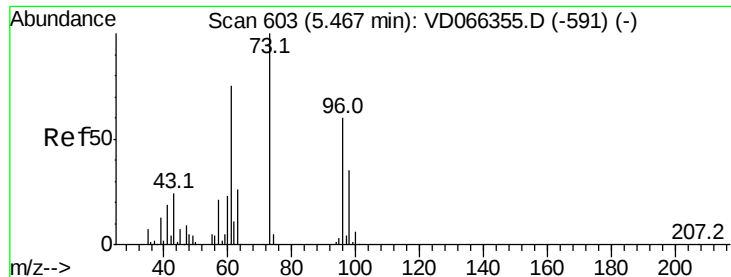
Tot Ion: 73 Resp: 168867
Ion Ratio Lower Upper
73 100
57 16.8 13.8 20.6



#20
Methylene Chloride
Concen: 47.988 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 84 Resp: 66868
Ion Ratio Lower Upper
84 100
49 116.6 92.5 138.7
51 33.7 32.5 48.7
86 64.8 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 47.958 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

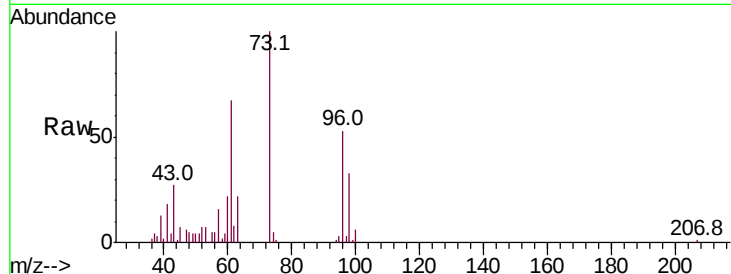
Tot Ion: 96 Resp: 66772

Ion Ratio Lower Upper

96 100

61 124.7 101.1 151.7

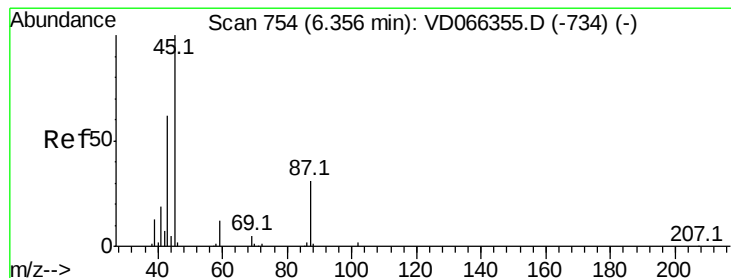
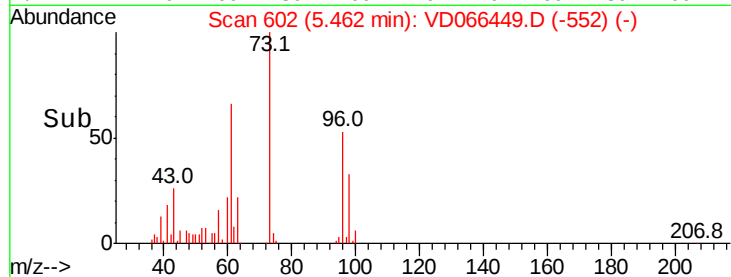
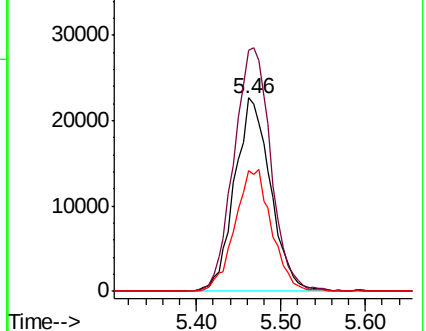
98 62.7 47.0 70.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 46.754 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Tgt Ion: 45 Resp: 144515

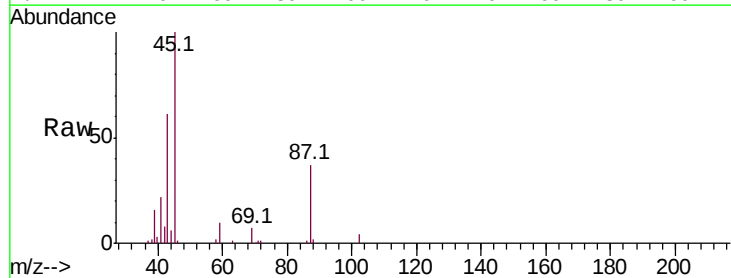
Ion Ratio Lower Upper

45 100

43 60.0 49.8 74.8

87 37.3 25.0 37.6

59 9.8 9.6 14.4

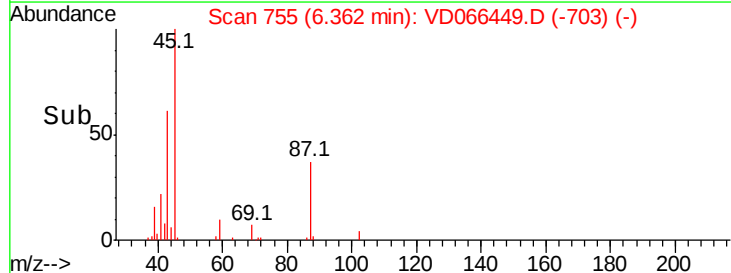
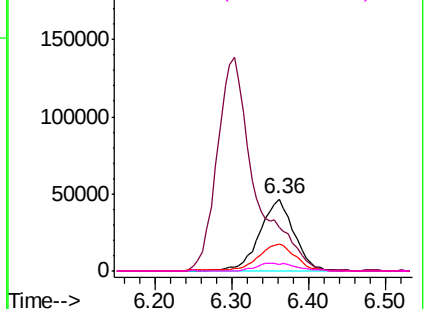


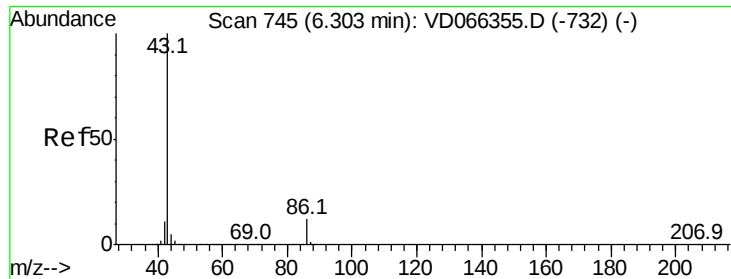
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 247.516 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

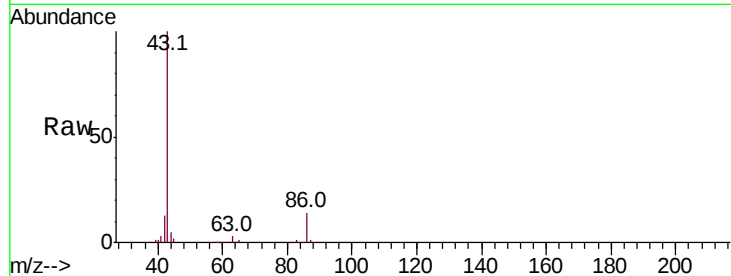
VSTDCCC050EC

Tot Ion: 43 Resp: 473618

Ion Ratio Lower Upper

43 100

86 14.3 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

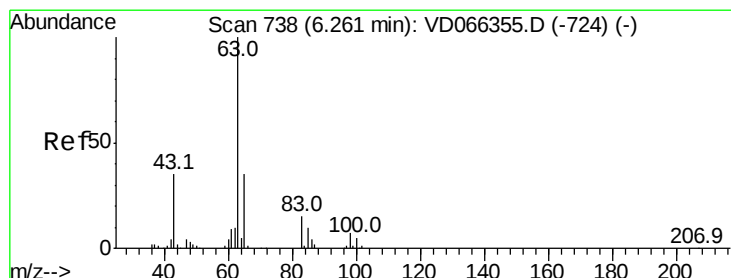
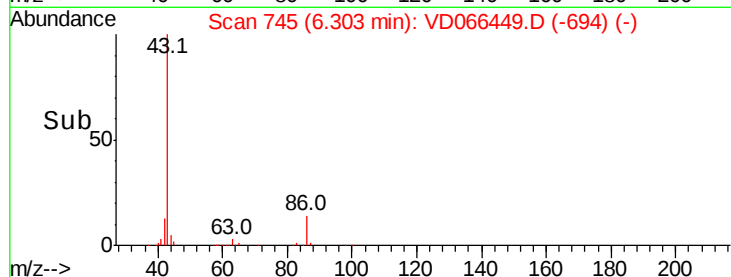
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.603 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

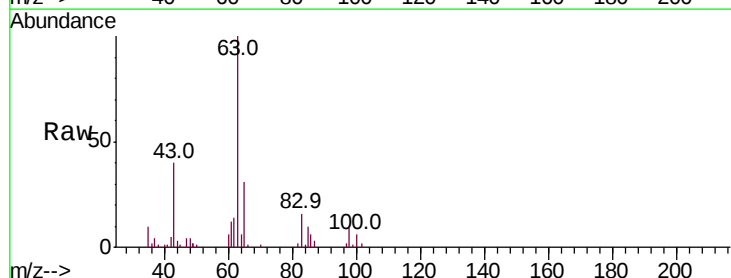
Tgt Ion: 63 Resp: 106164

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.6

100 5.7 2.5 7.6



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

40000

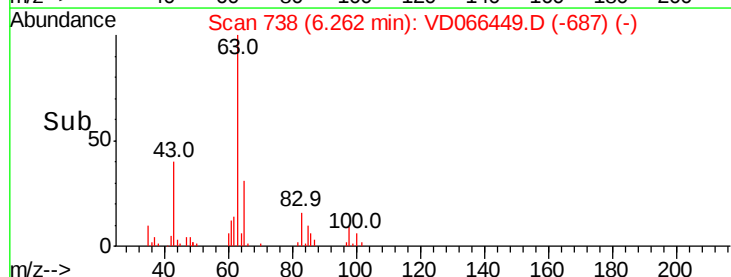
30000

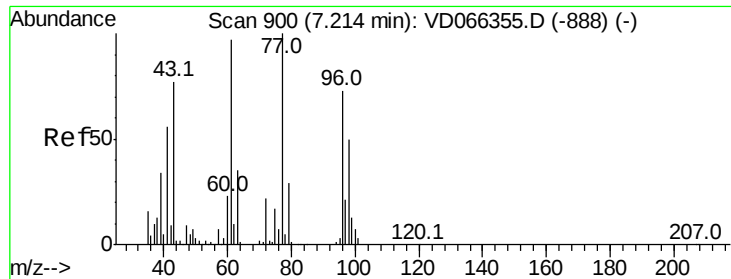
20000

10000

0

Time-->

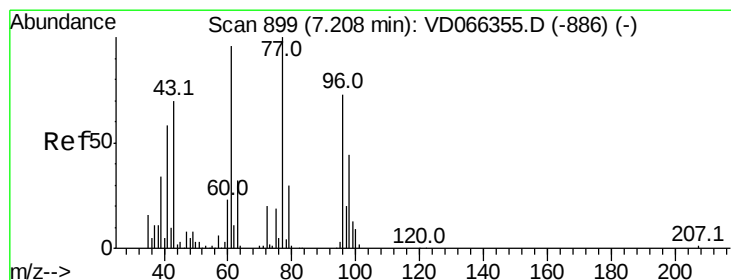
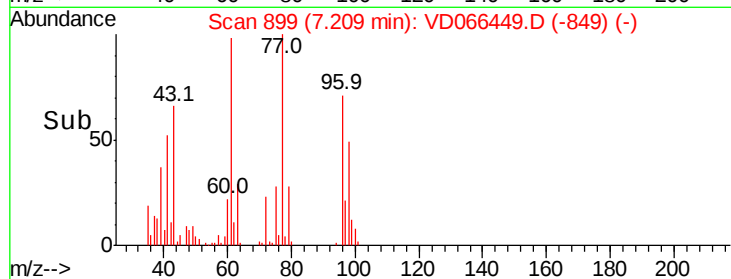
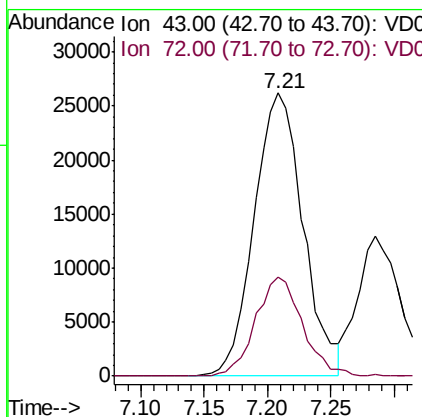
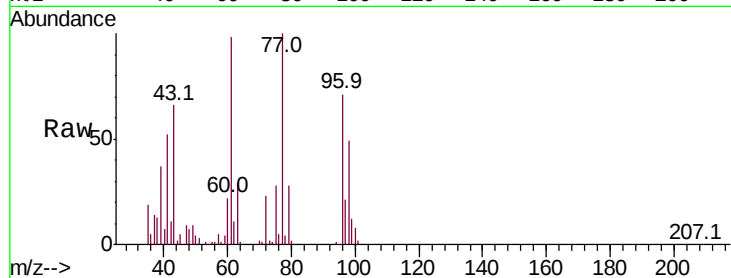




#25
2-Butanone
Concen: 239.207 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

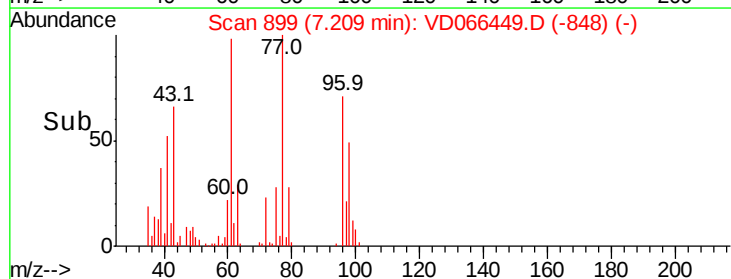
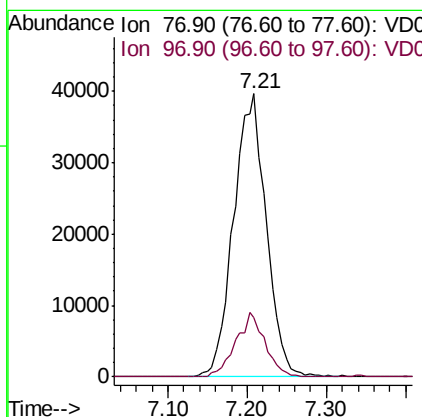
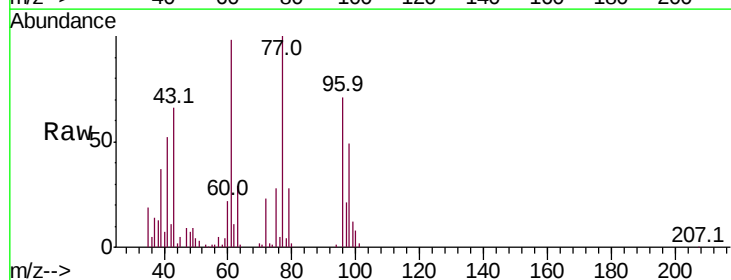
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

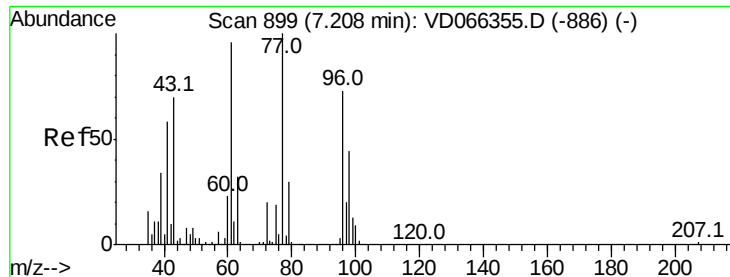
Tot Ion: 43 Resp: 70438
Ion Ratio Lower Upper
43 100
72 34.8 22.5 33.7#



#26
2,2-Dichloropropane
Concen: 48.247 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 77 Resp: 112951
Ion Ratio Lower Upper
77 100
97 20.3 10.7 31.9

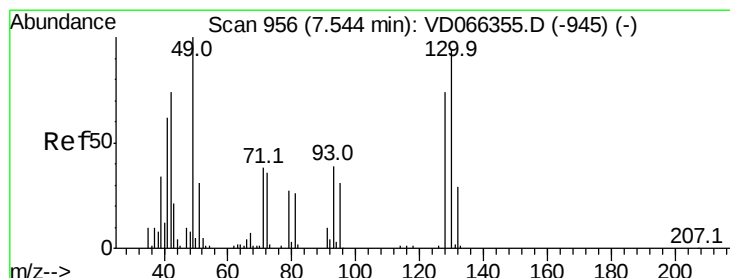
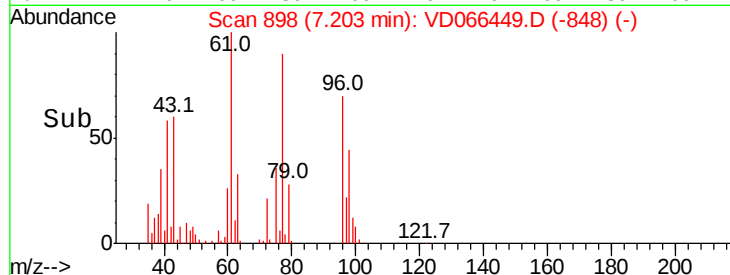
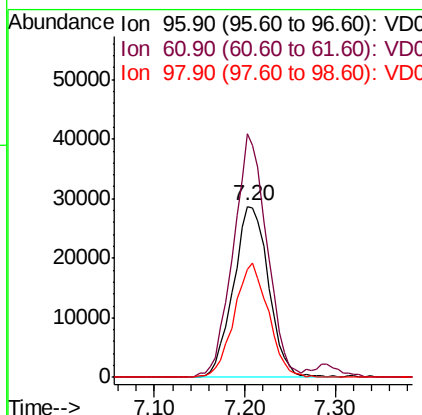
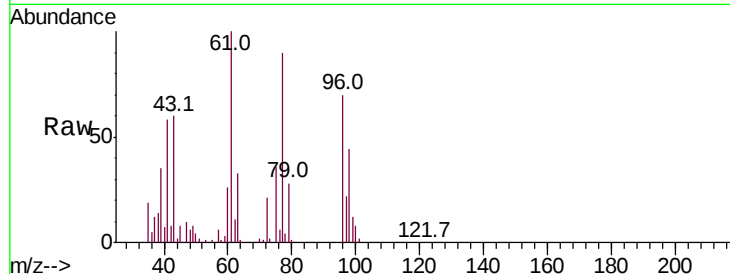




#27
 cis-1,2-Dichloroethene
 Concen: 51.891 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

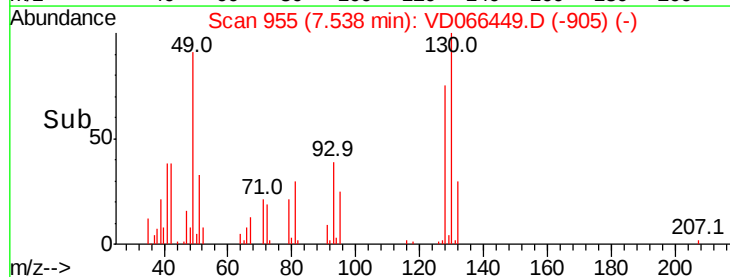
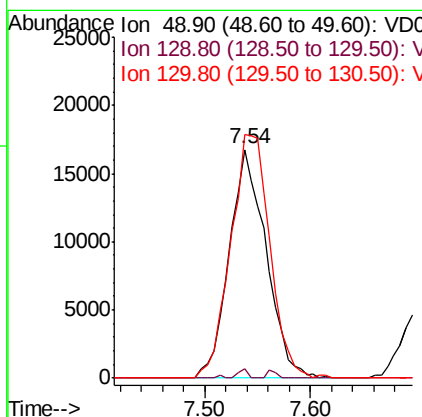
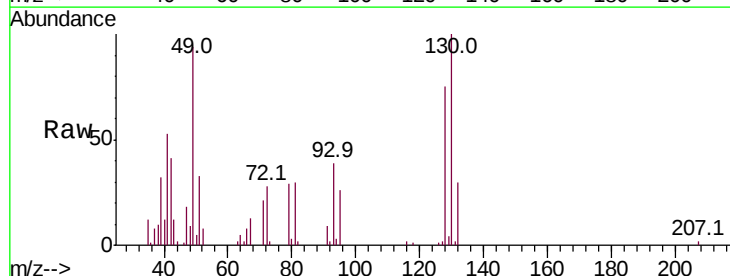
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

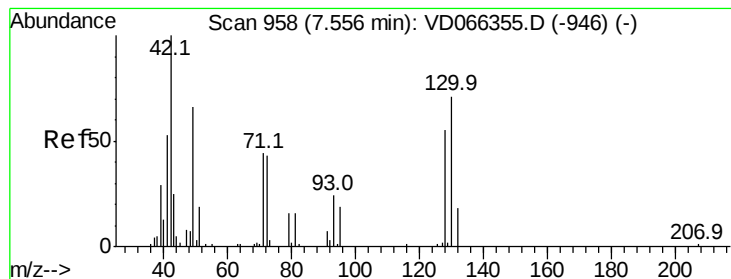
Tot Ion: 96 Resp: 77413
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 281.4
 98 65.0 0.0 132.2



#28
 Bromochloromethane
 Concen: 54.003 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion: 49 Resp: 40632
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.0
 130 112.9 82.6 124.0





#29

Tetrahydrofuran

Concen: 232.308 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

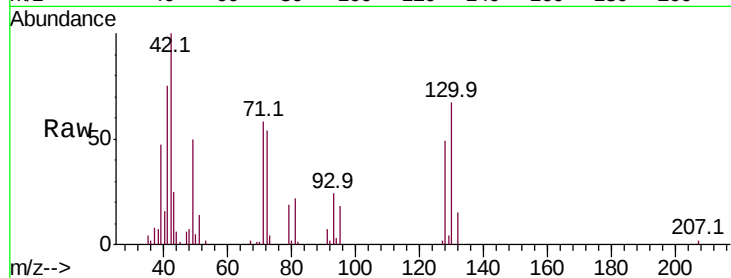
Tot Ion: 42 Resp: 38854

Ion Ratio Lower Upper

42 100

72 57.6 41.0 61.4

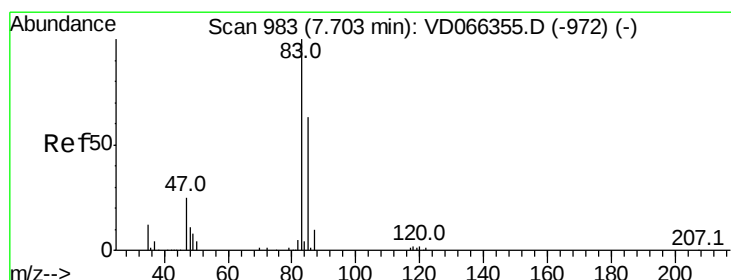
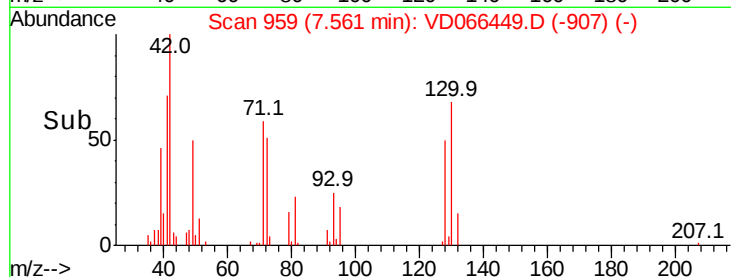
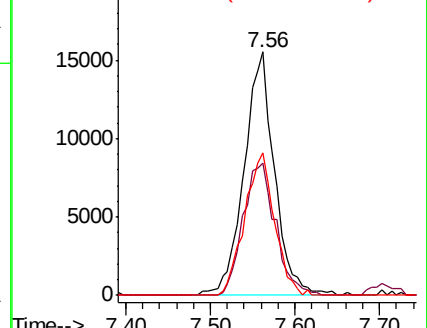
71 57.5 37.2 55.8#



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: 56.375 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066449.D

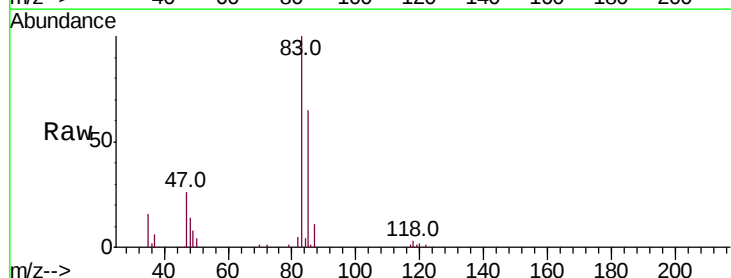
Acq: 27 Aug 2020 20:57

Tgt Ion: 83 Resp: 142473

Ion Ratio Lower Upper

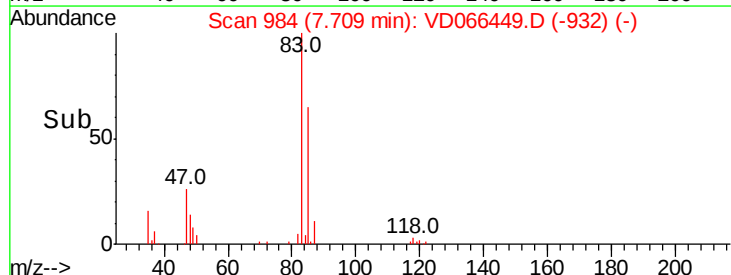
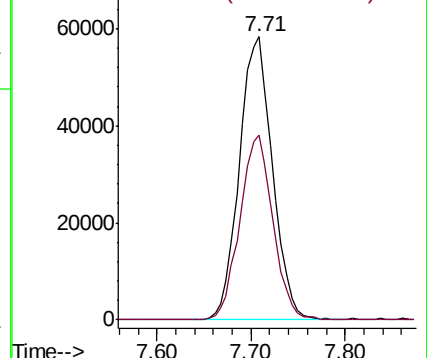
83 100

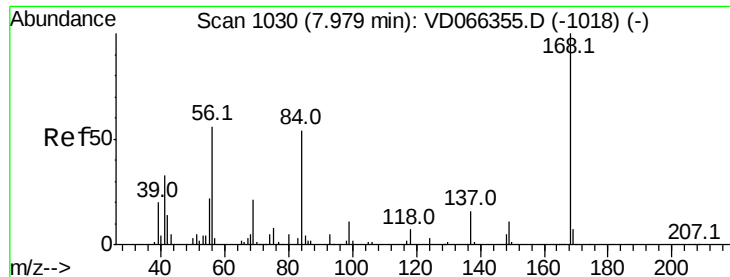
85 65.5 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

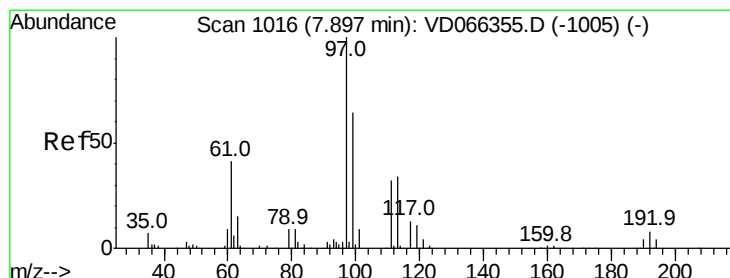
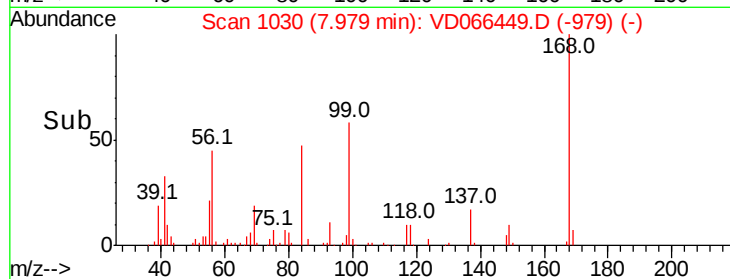
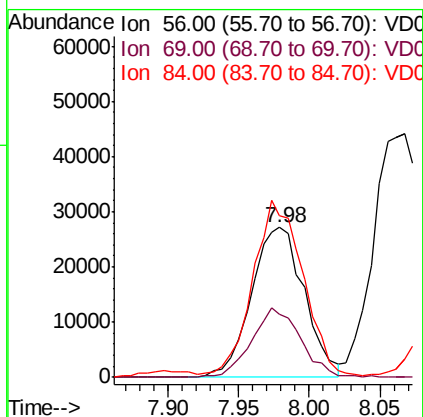
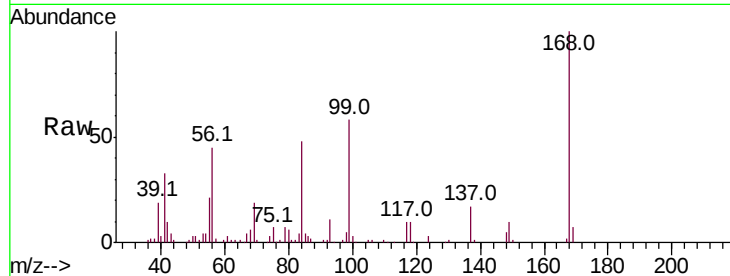




#31
Cyclohexane
Concen: 35.716 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

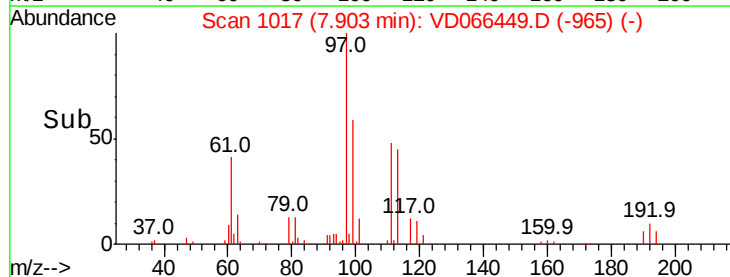
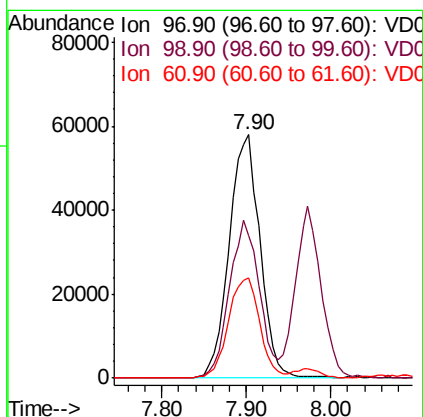
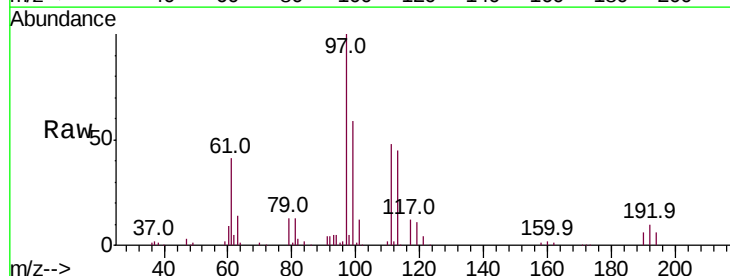
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

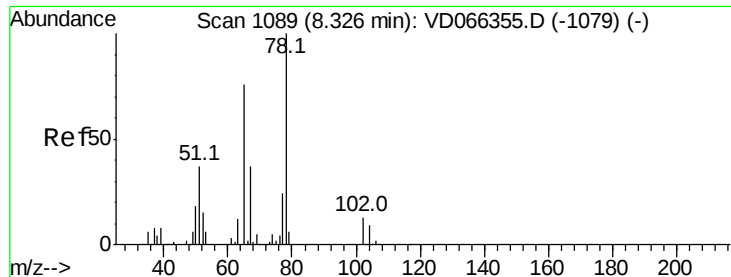
Tot Ion: 56 Resp: 71350
Ion Ratio Lower Upper
56 100
69 42.5 29.6 44.4
84 105.1 76.6 115.0



#32
1,1,1-Trichloroethane
Concen: 56.345 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 97 Resp: 145736
Ion Ratio Lower Upper
97 100
99 63.2 51.5 77.3
61 41.8 33.3 49.9





#33

1,2-Dichloroethane-d4

Concen: 63.586 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

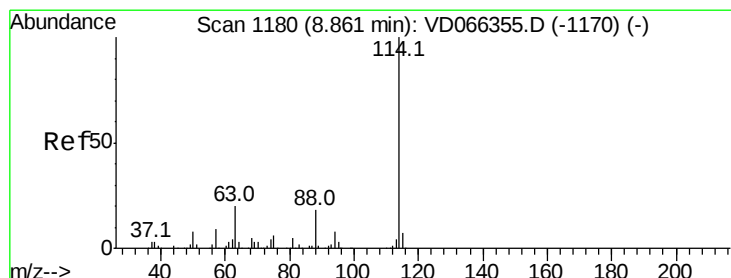
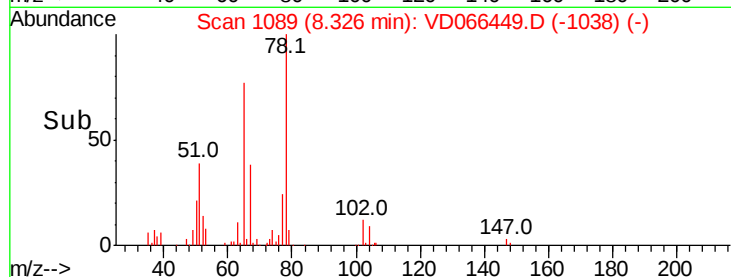
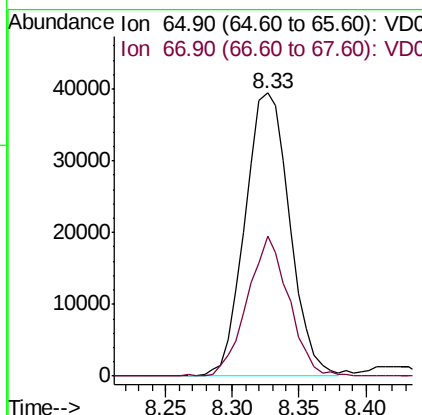
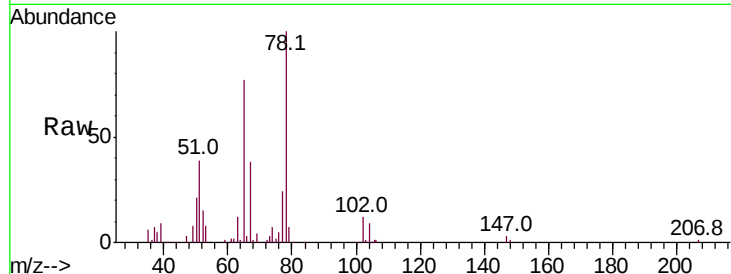
Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 65 Resp: 91484

Ion	Ratio	Lower	Upper
65	100		
67	45.8	0.0	101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

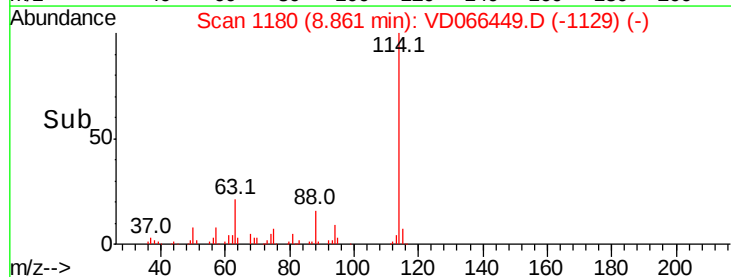
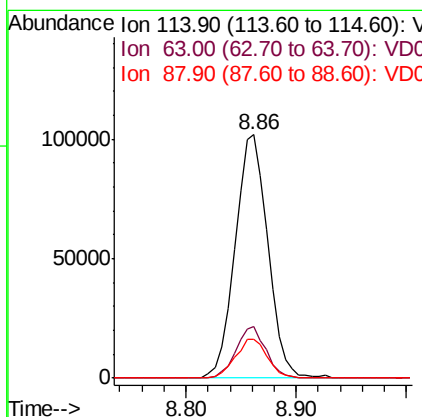
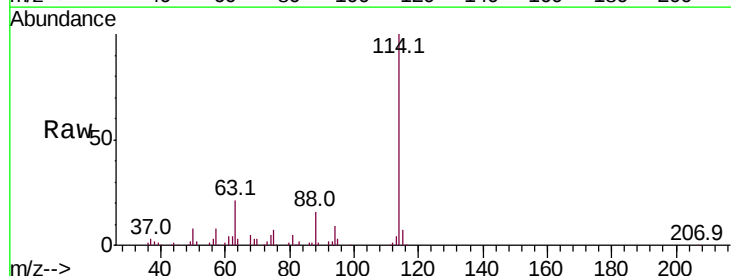
Delta R.T. 0.00 min

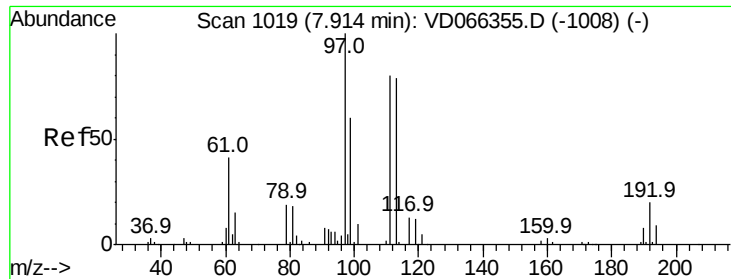
Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Tgt Ion: 114 Resp: 211954

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.8
88	15.7	0.0	35.4

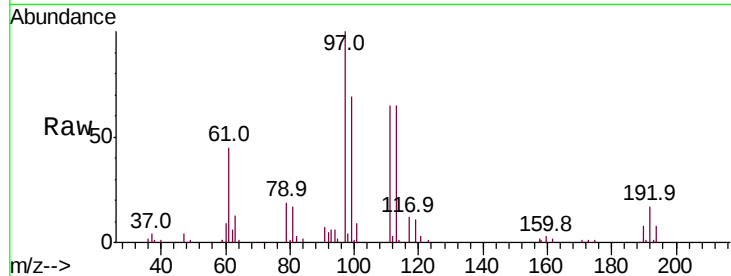




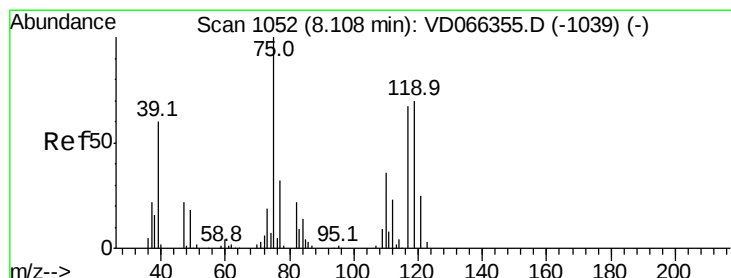
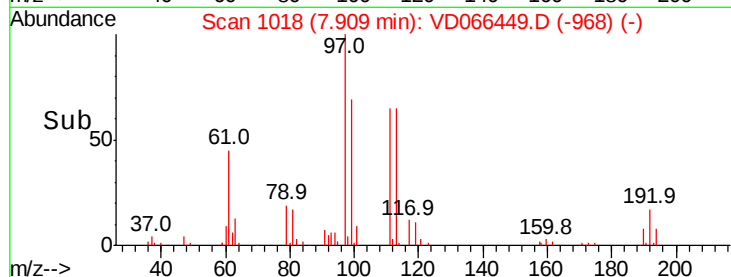
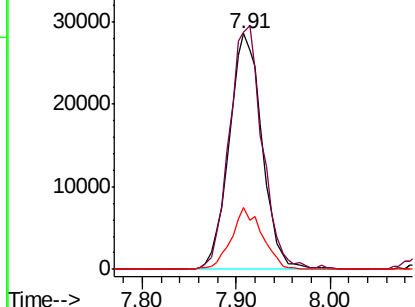
#35
 Dibromofluoromethane
 Concen: 52.445 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 69509
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.3 120.5
 192 24.6 19.0 28.6

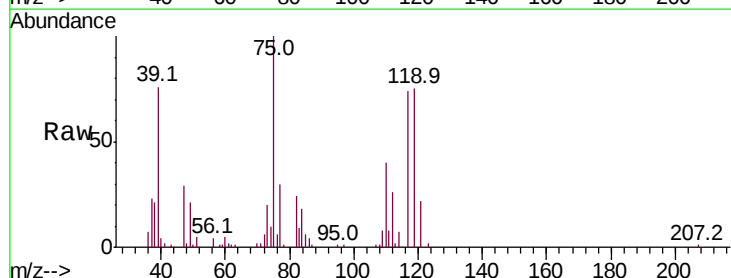


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

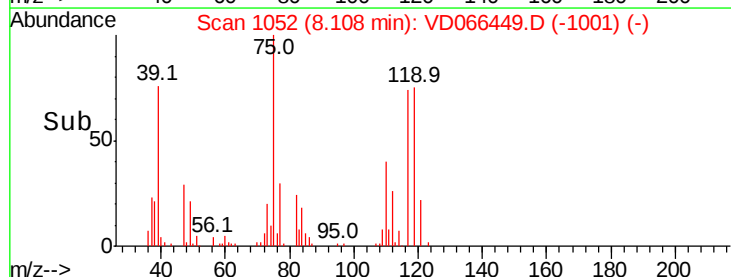
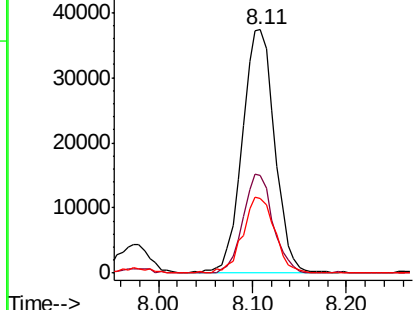


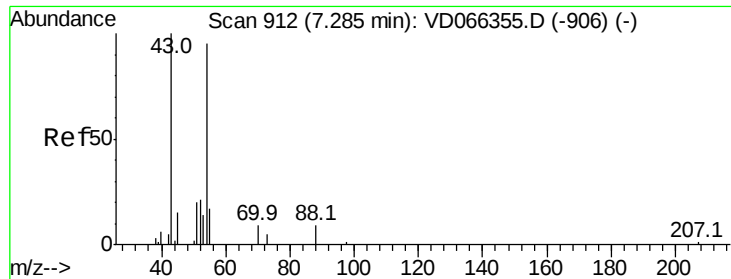
#36
 1,1-Dichloropropene
 Concen: 46.151 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion: 75 Resp: 89253
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.7 56.1
 77 30.8 25.2 37.8



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

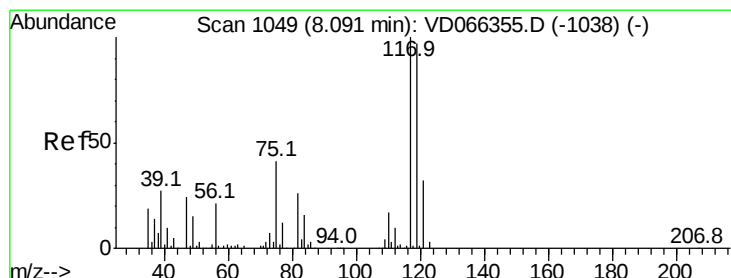
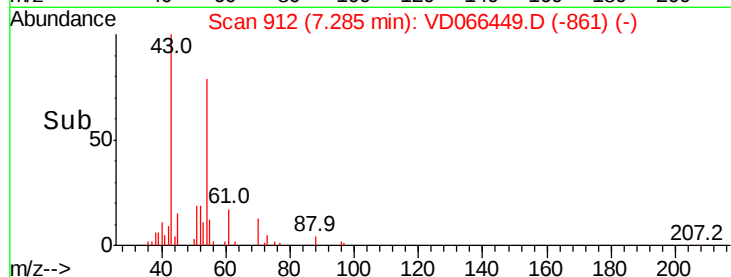
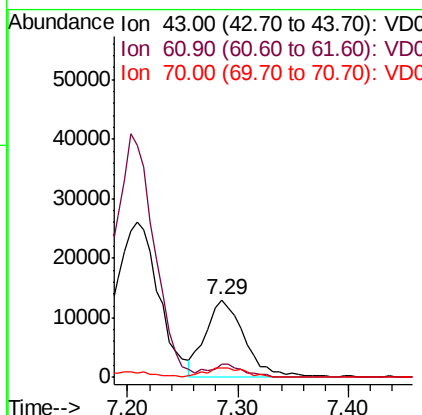
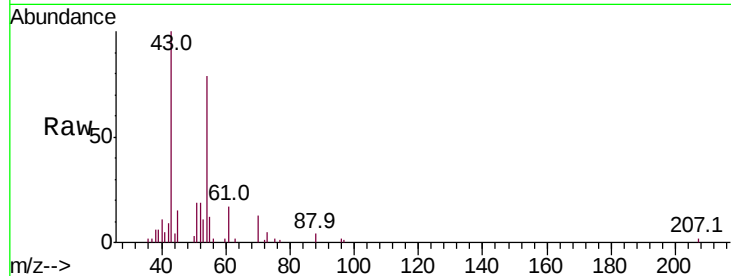




#37
Ethyl Acetate
Concen: 48.388 ug/l
RT: 7.29 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

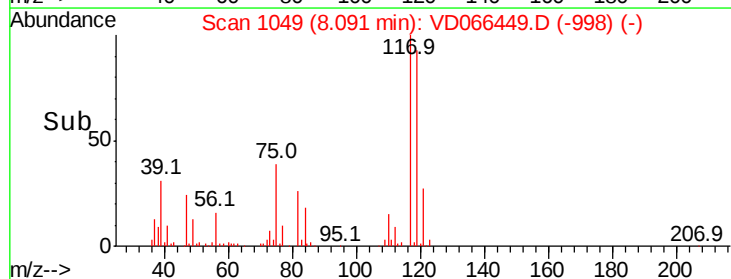
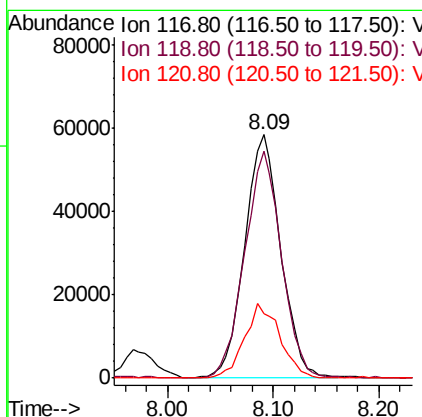
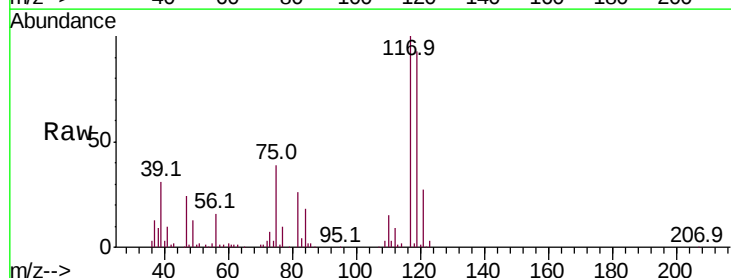
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

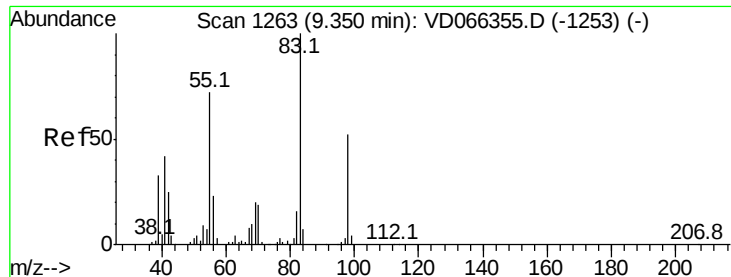
Tot Ion: 43 Resp: 31828
Ion Ratio Lower Upper
43 100
61 15.6 13.3 19.9
70 12.3 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 55.390 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 117 Resp: 139562
Ion Ratio Lower Upper
117 100
119 93.5 77.2 115.8
121 26.7 25.8 38.8

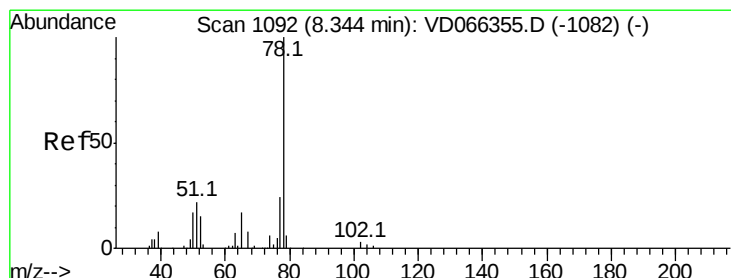
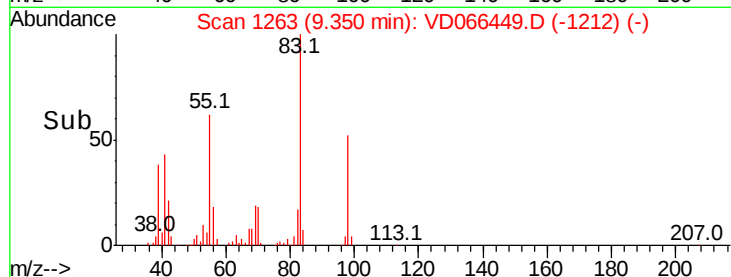
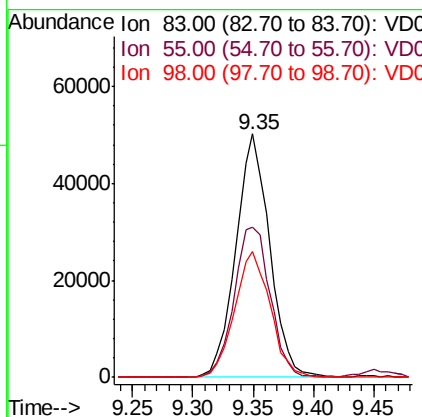
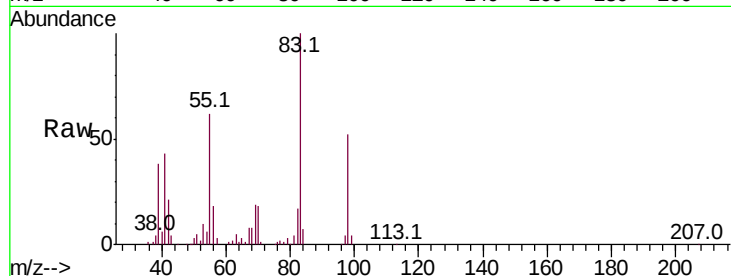




#39
Methvlcvclohexane
Concen: 43.181 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

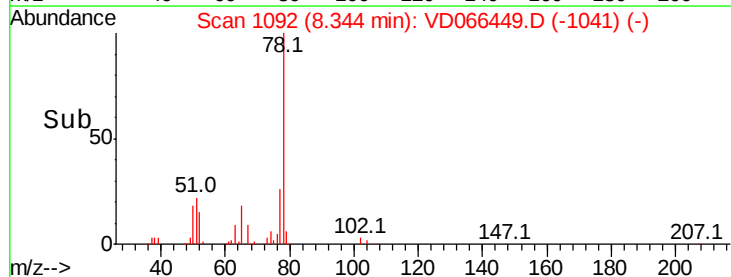
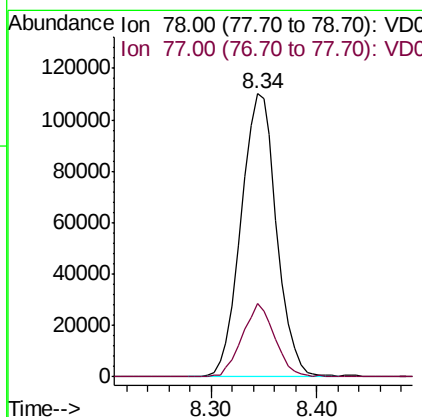
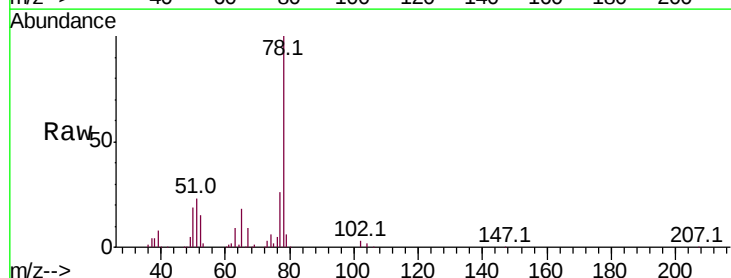
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

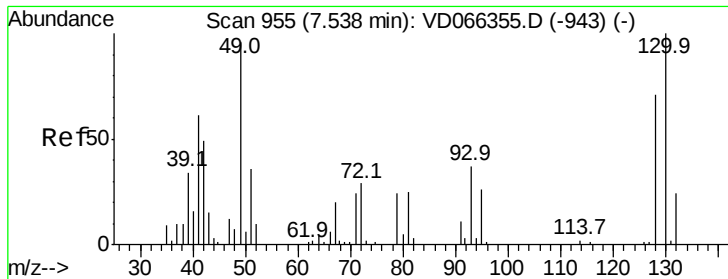
Tot Ion: 83 Resp: 98373
Ion Ratio Lower Upper
83 100
55 61.7 58.0 87.0
98 52.0 41.9 62.9



#40
Benzene
Concen: 50.470 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 78 Resp: 256769
Ion Ratio Lower Upper
78 100
77 25.9 18.8 28.2

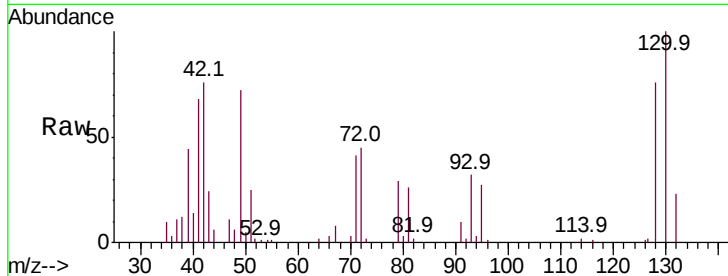




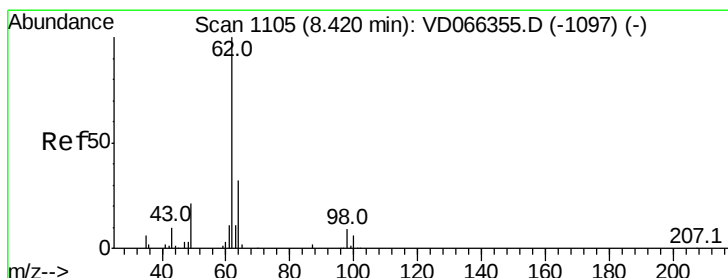
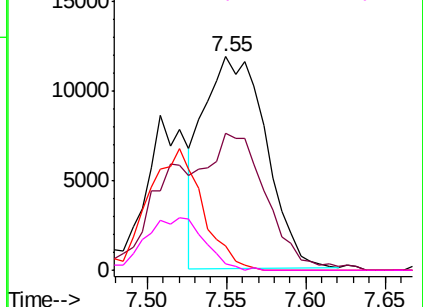
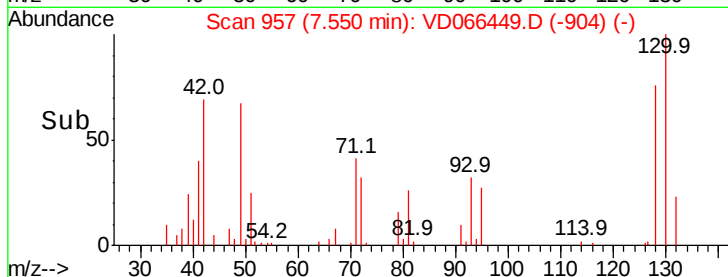
#41
Methacrylonitrile
Concen: 80.285 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 32566
Ion Ratio Lower Upper
41 100
39 52.2 51.8 77.8
67 0.0 0.0 0.0
52 0.0 0.0 0.0

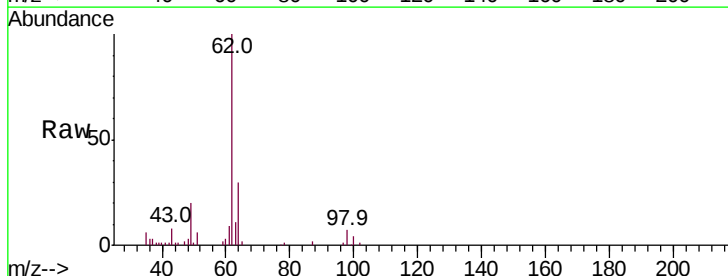


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

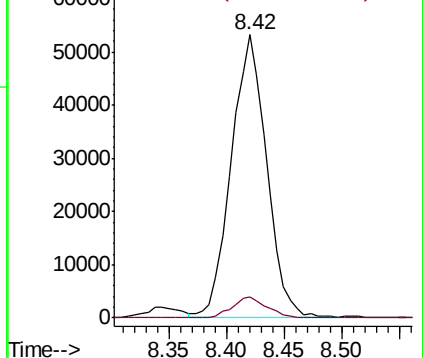
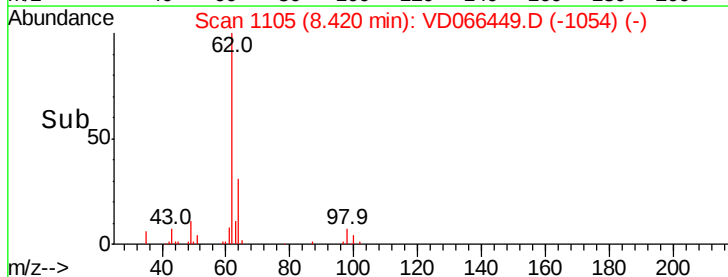


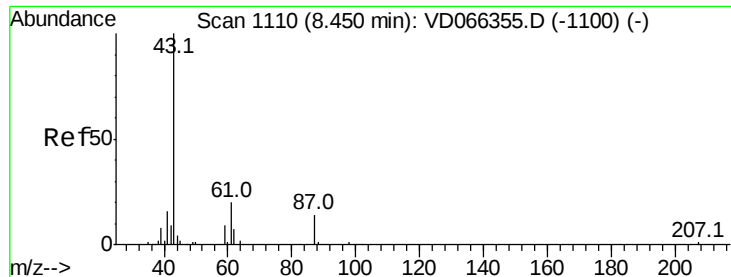
#42
1,2-Dichloroethane
Concen: 63.283 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 62 Resp: 113395
Ion Ratio Lower Upper
62 100
98 7.1 0.0 16.2



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





#43

Isopropyl Acetate

Concen: 49.999 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

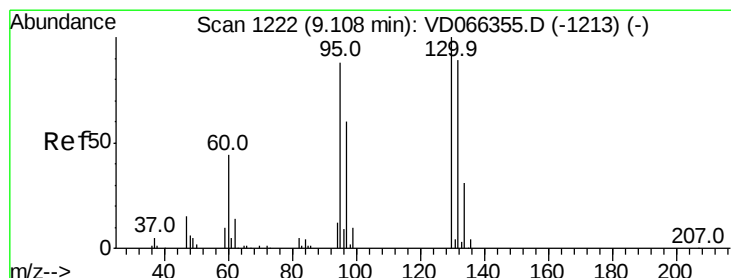
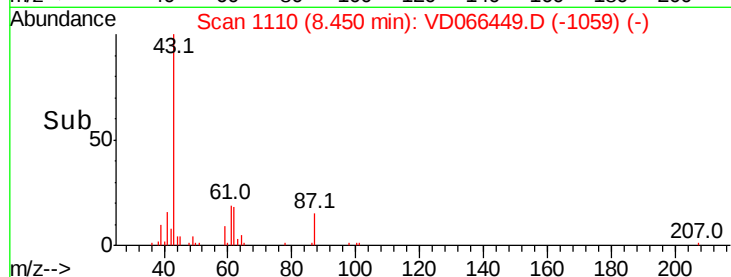
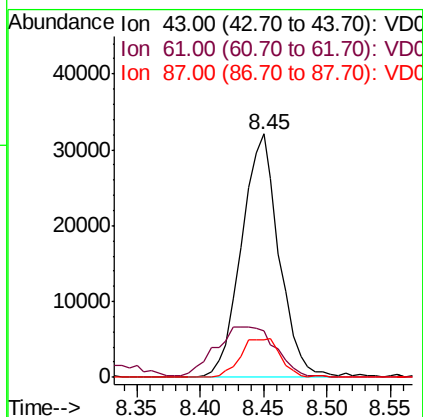
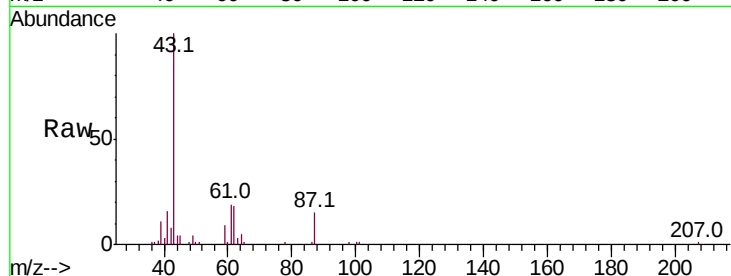
Tot Ion: 43 Resp: 66010

Ion Ratio Lower Upper

43 100

61 0.0 26.5 39.7#

87 16.8 11.9 17.9



#44

Trichloroethene

Concen: 49.737 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066449.D

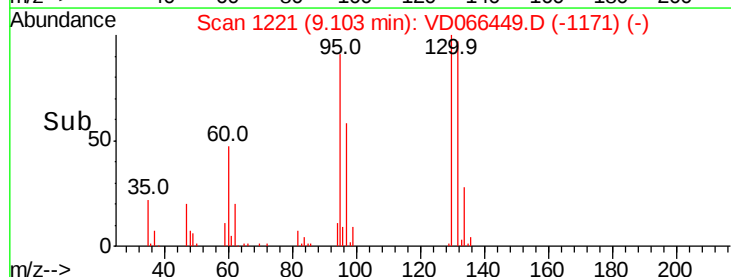
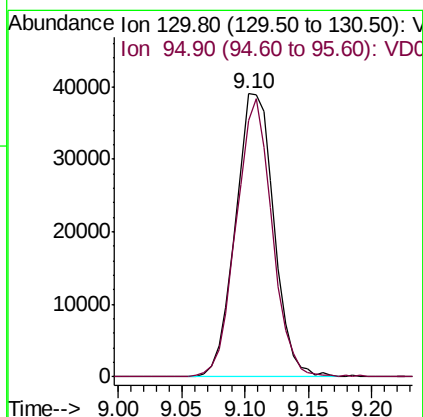
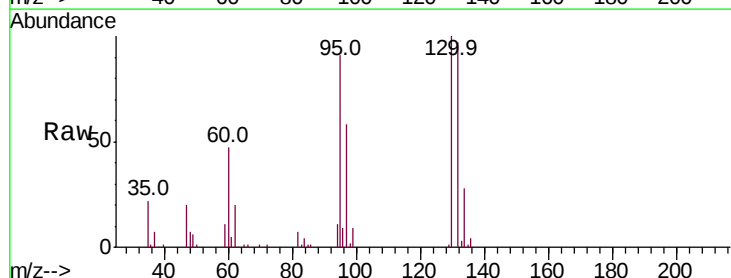
Acq: 27 Aug 2020 20:57

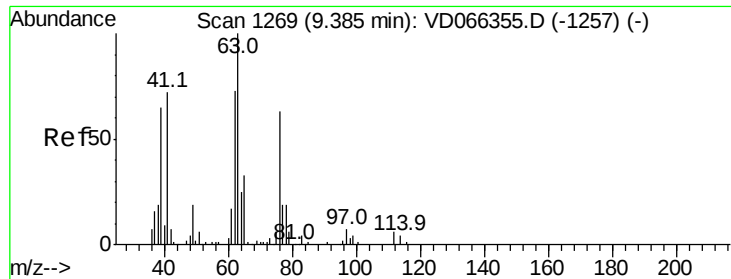
Tgt Ion: 130 Resp: 82222

Ion Ratio Lower Upper

130 100

95 90.7 0.0 175.6





#45

1,2-Dichloropropane

Concen: 45.060 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

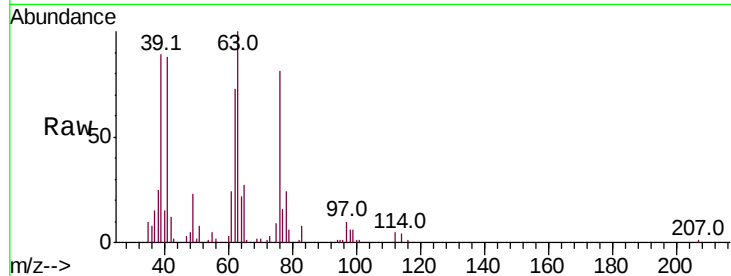
VSTDCCC050EC

Tot Ion: 63 Resp: 51972

Ion Ratio Lower Upper

63 100

65 27.2 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

25000

20000

15000

10000

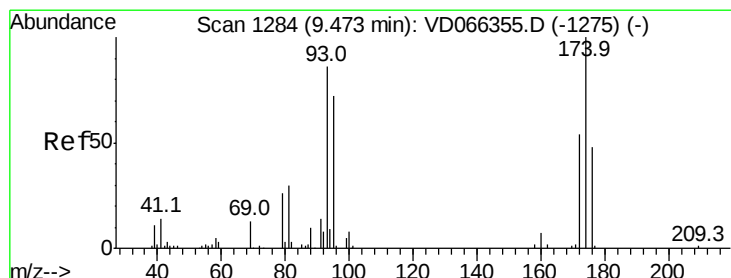
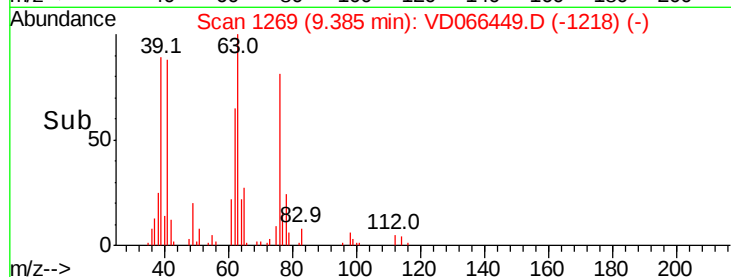
5000

0

9.30

9.40

Time-->



#46

Dibromomethane

Concen: 55.003 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

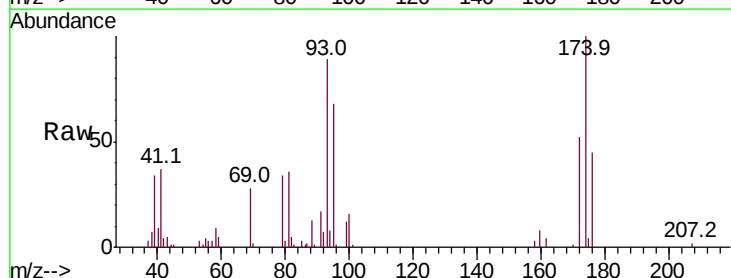
Tgt Ion: 93 Resp: 39499

Ion Ratio Lower Upper

93 100

95 79.9 66.0 99.0

174 123.1 94.6 141.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

30000

25000

20000

15000

10000

5000

0

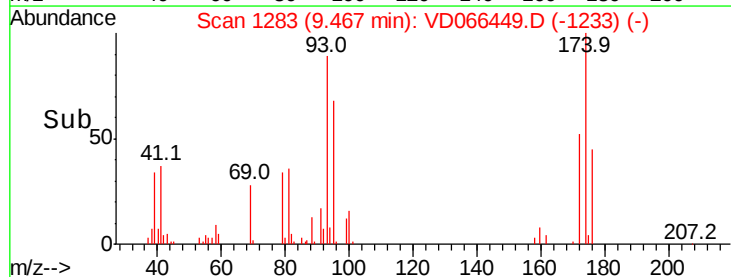
9.40

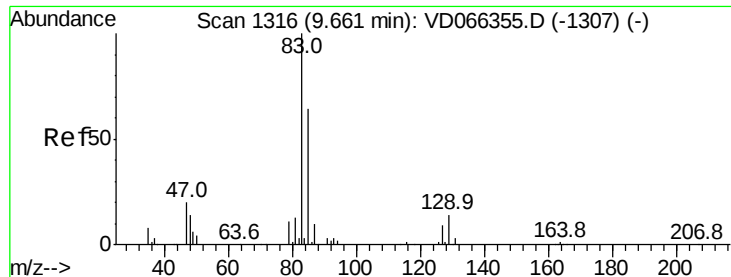
9.45

9.50

9.55

Time-->





#47

Bromodichloromethane

Concen: 58.328 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

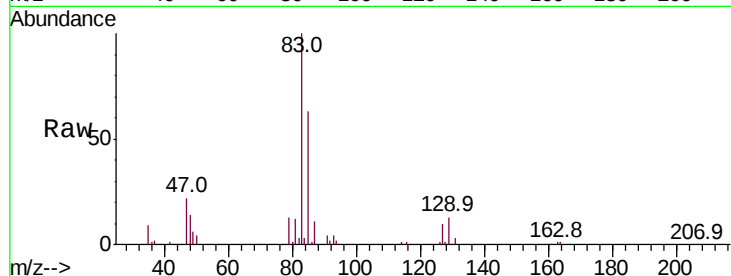
Tot Ion: 83 Resp: 115191

Ion Ratio Lower Upper

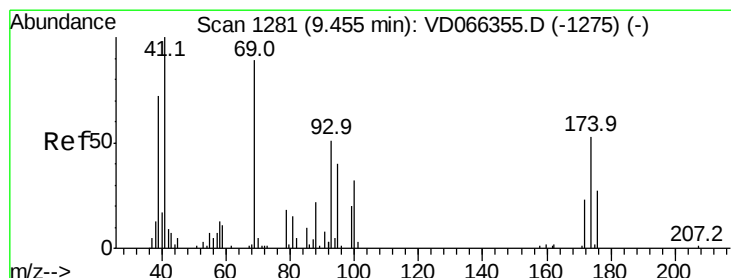
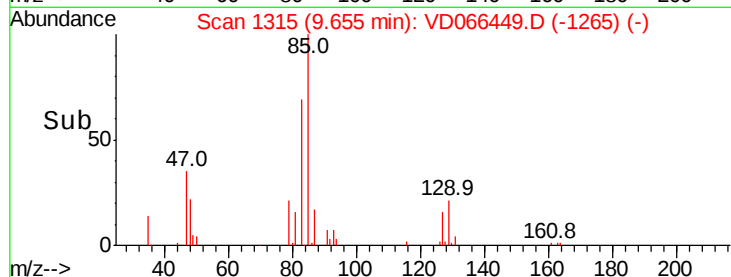
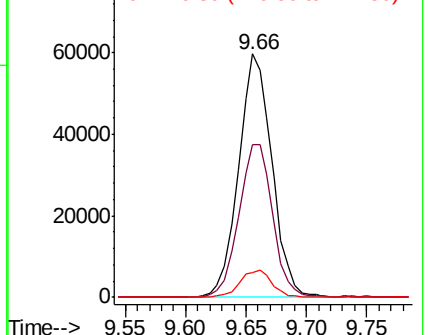
83 100

85 62.9 51.4 77.0

127 10.0 7.4 11.0



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: 51.547 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

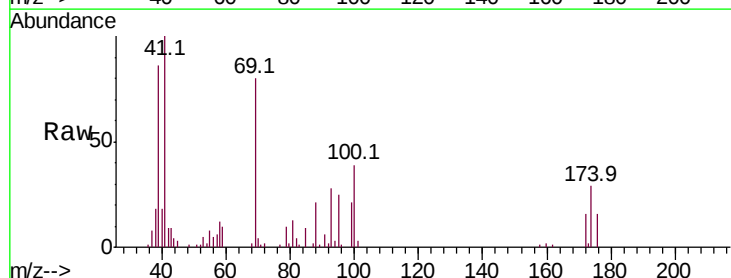
Tgt Ion: 41 Resp: 35093

Ion Ratio Lower Upper

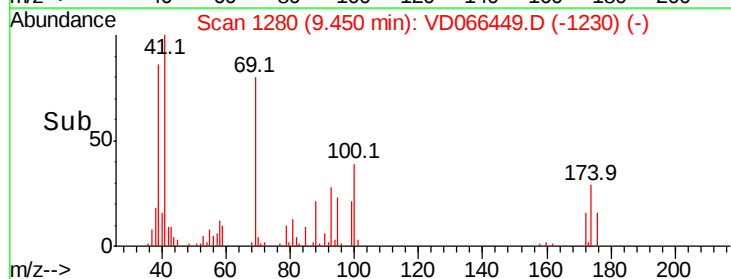
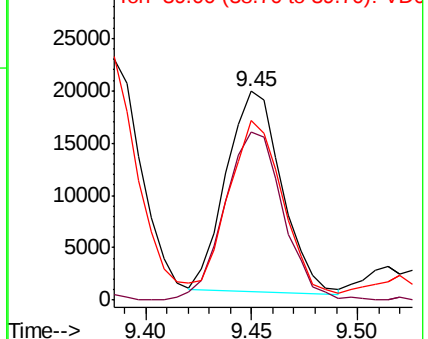
41 100

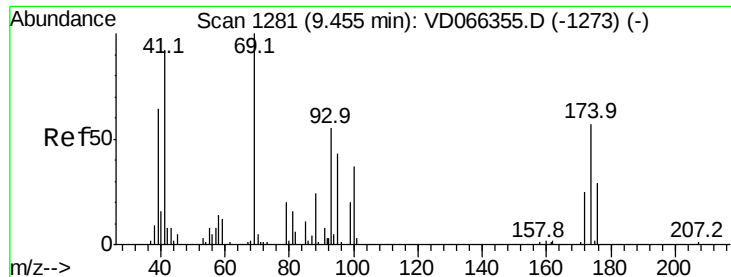
69 87.9 75.5 113.3

39 90.5 57.0 85.4#



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

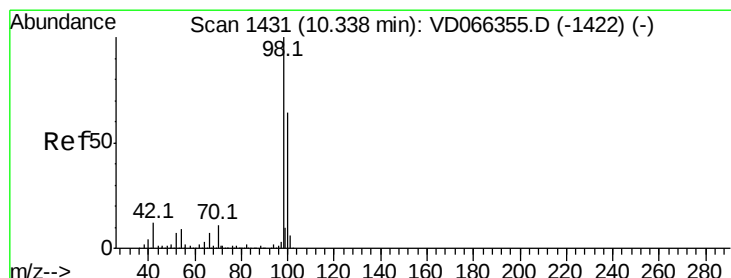
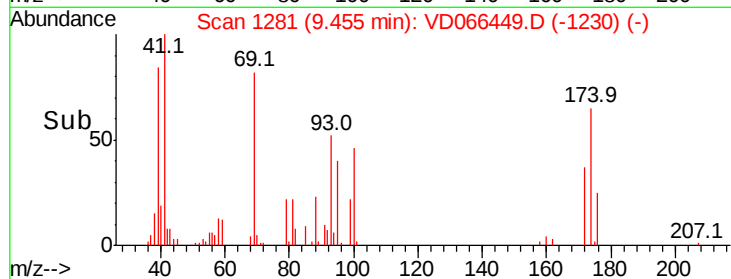
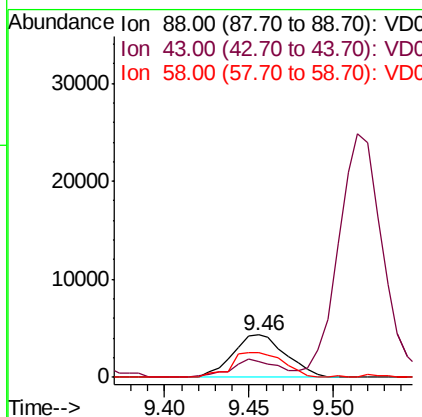
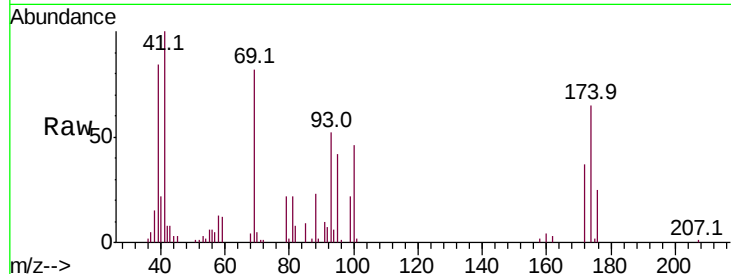




#49
1,4-Dioxane
Concen: 1124.537 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

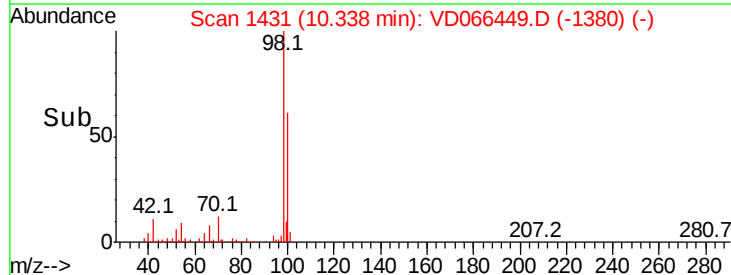
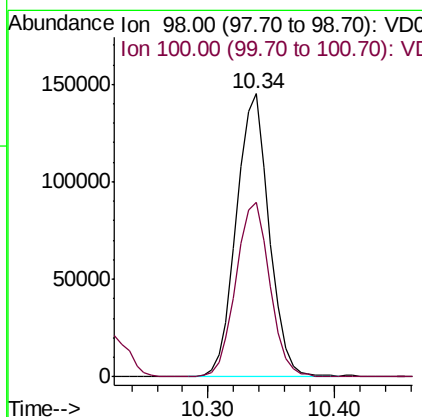
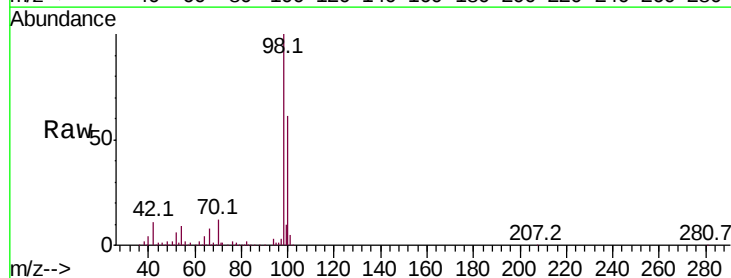
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

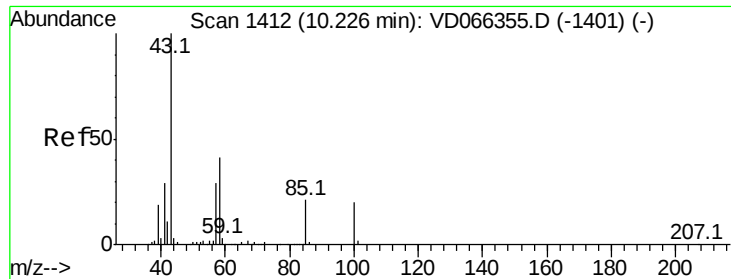
Tot Ion: 88 Resp: 9377
Ion Ratio Lower Upper
88 100
43 38.1 29.4 44.0
58 57.1 45.4 68.2



#50
Toluene-d8
Concen: 53.603 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 98 Resp: 259937
Ion Ratio Lower Upper
98 100
100 63.9 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 254.542 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

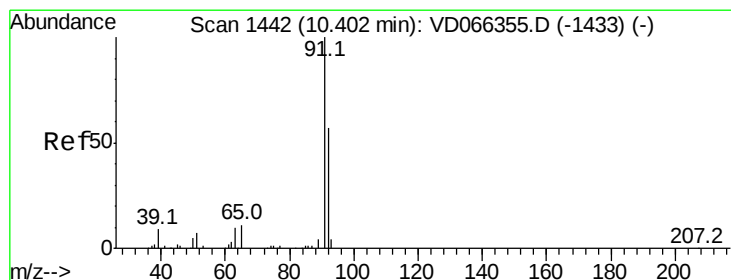
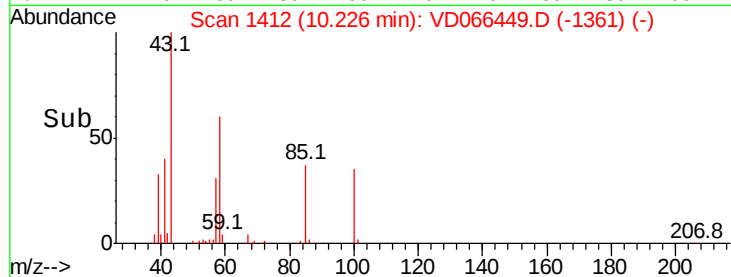
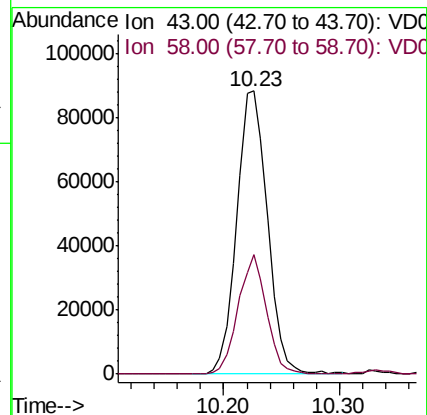
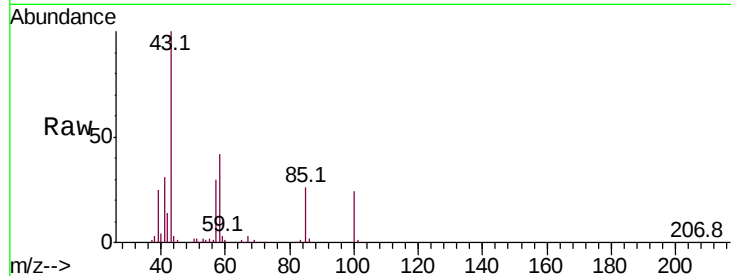
VSTDCCC050EC

Tot Ion: 43 Resp: 162569

Ion Ratio Lower Upper

43 100

58 38.9 31.4 47.2



#52

Toluene

Concen: 52.692 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066449.D

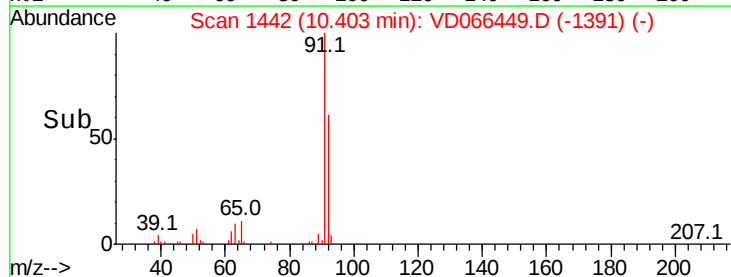
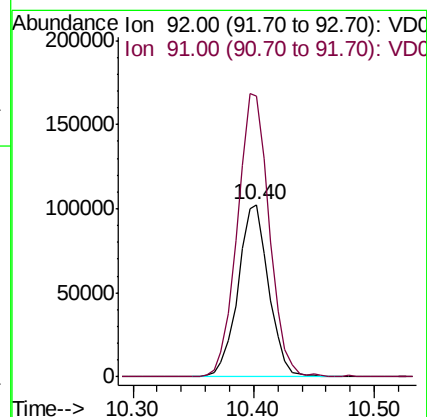
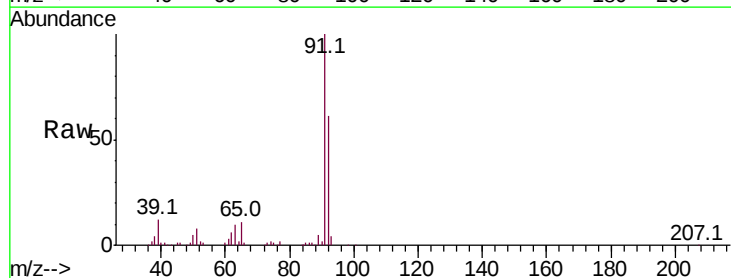
Acq: 27 Aug 2020 20:57

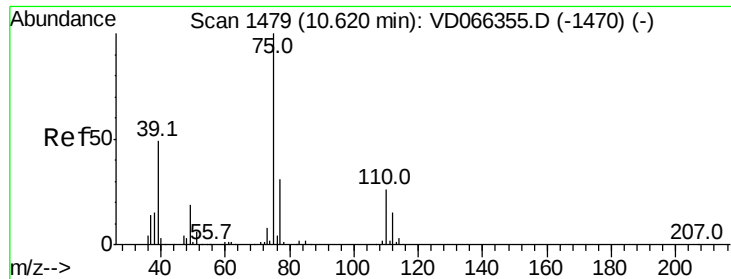
Tgt Ion: 92 Resp: 181621

Ion Ratio Lower Upper

92 100

91 170.7 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 52.449 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

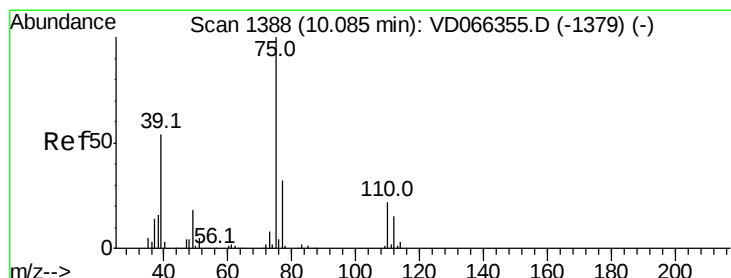
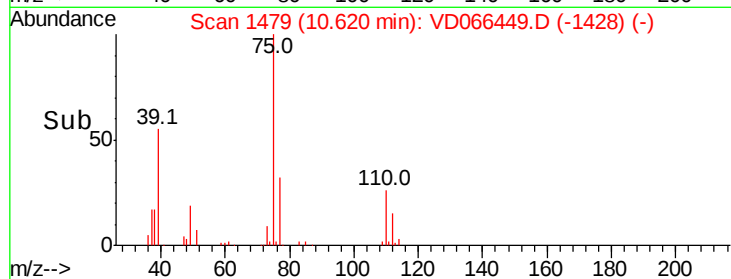
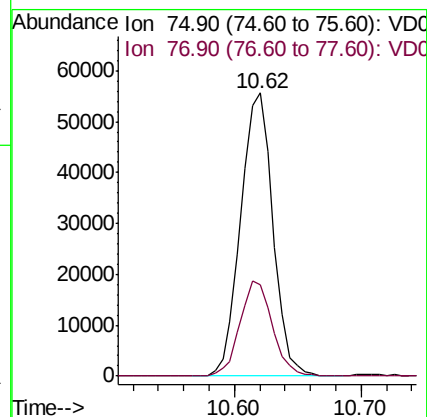
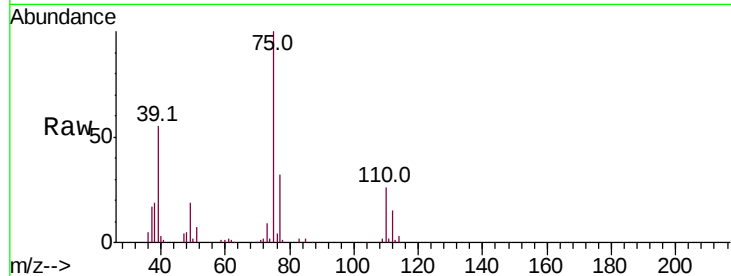
VSTDCCC050EC

Tot Ion: 75 Resp: 98285

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 51.188 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

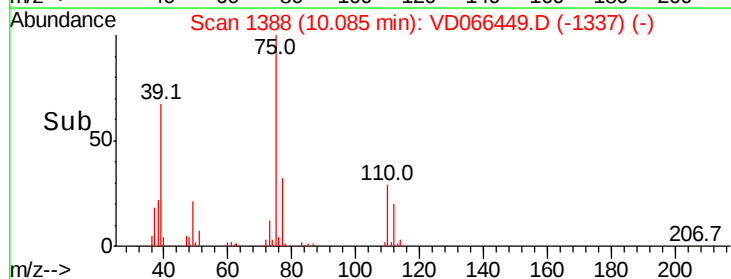
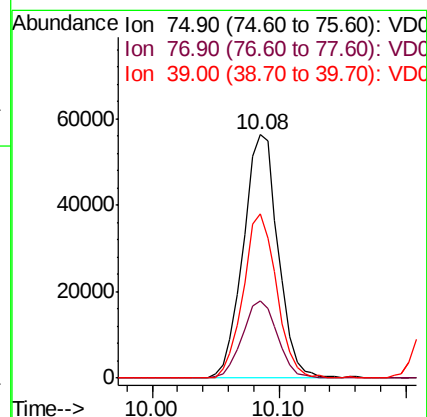
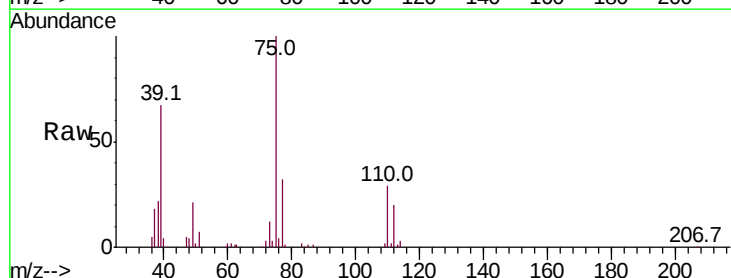
Tgt Ion: 75 Resp: 107669

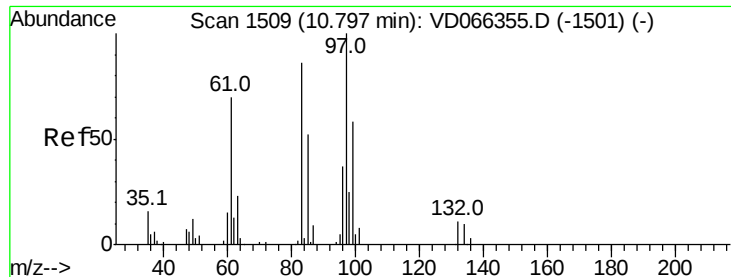
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 67.4 43.4 65.0#

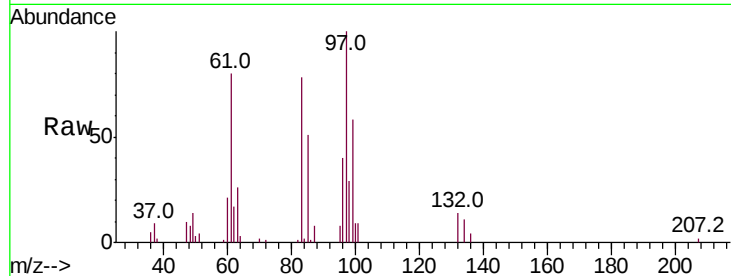




#55
 1,1,2-Trichloroethane
 Concen: 50.606 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	49198
Ion	Ratio	Lower	Upper
97	100		
83	78.2	68.4	102.6
85	51.0	41.3	61.9
99	57.9	46.1	69.1



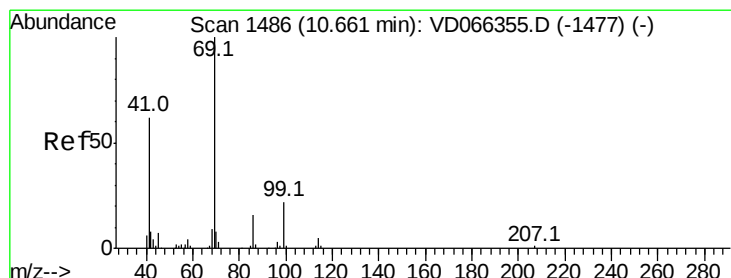
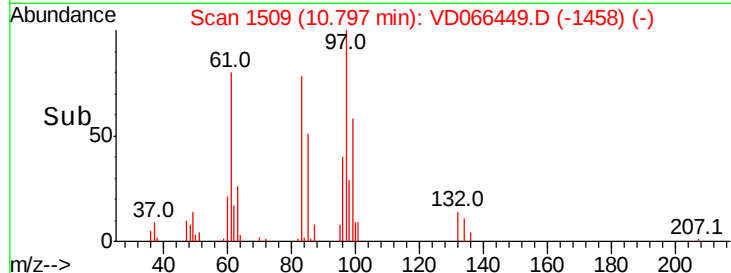
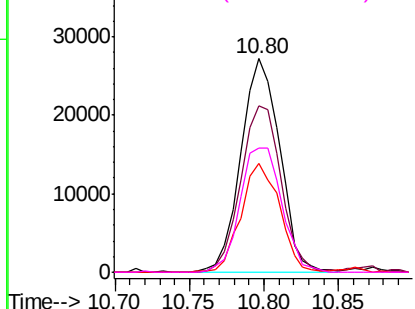
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

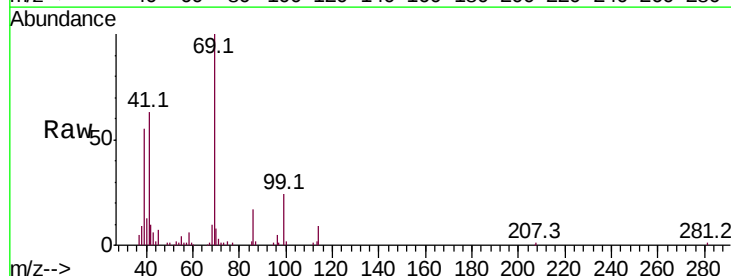
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 53.729 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion:	69	Resp:	60467
Ion	Ratio	Lower	Upper
69	100		
41	67.8	50.8	76.2
39	49.5	32.9	49.3#

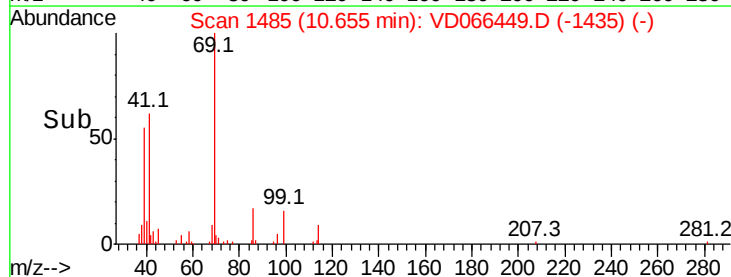
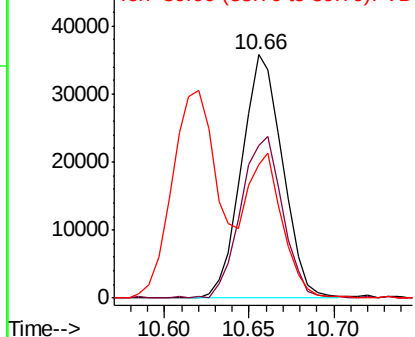


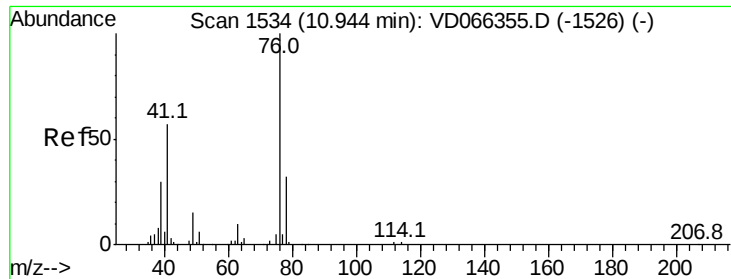
Abundance

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: 52.580 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

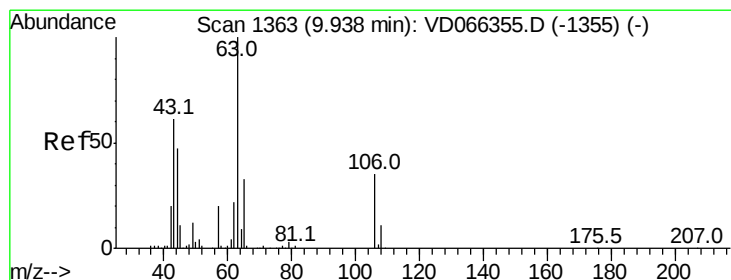
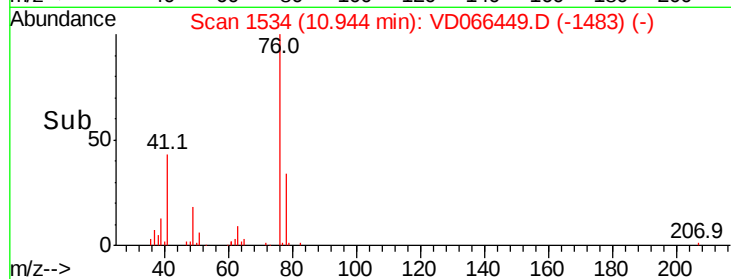
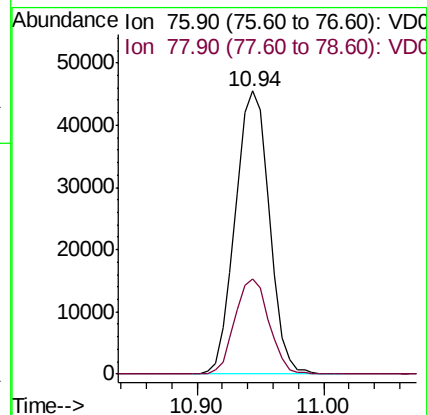
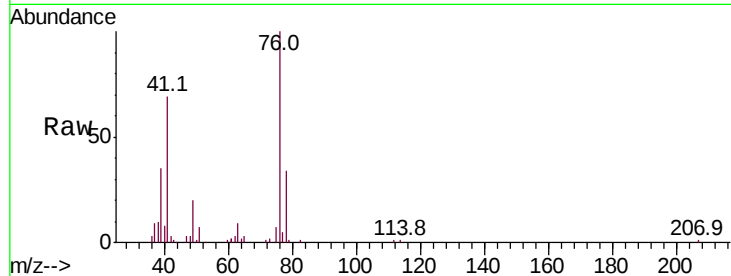
VSTDCCC050EC

Tot Ion: 76 Resp: 84552

Ion Ratio Lower Upper

76 100

78 33.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 252.952 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066449.D

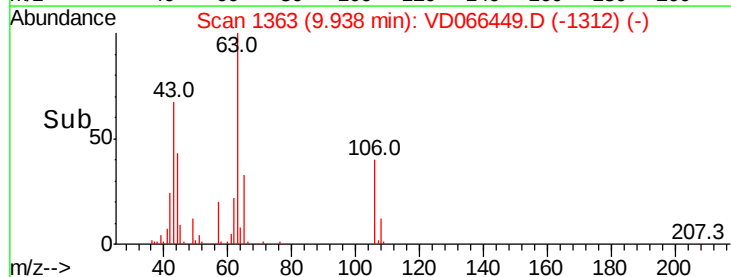
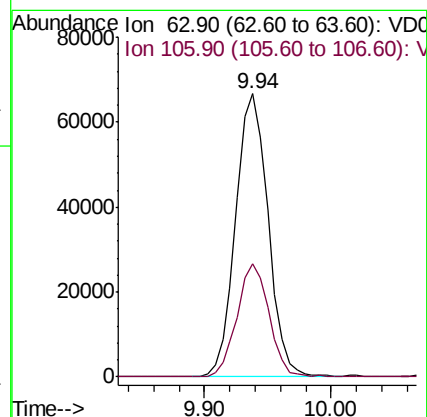
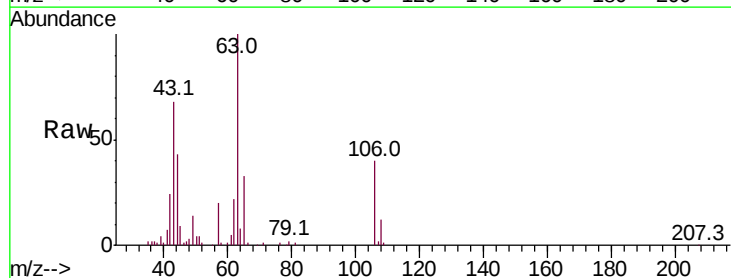
Acq: 27 Aug 2020 20:57

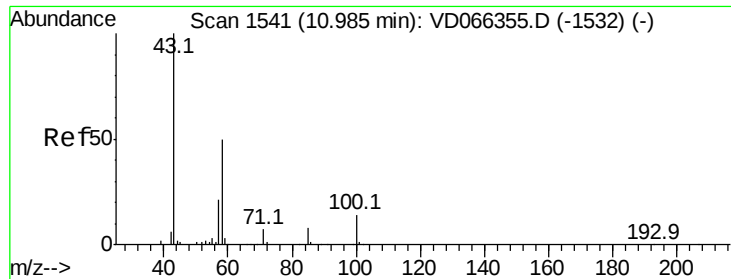
Tgt Ion: 63 Resp: 118233

Ion Ratio Lower Upper

63 100

106 39.3 27.1 40.7





#59

2-Hexanone

Concen: 257.950 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

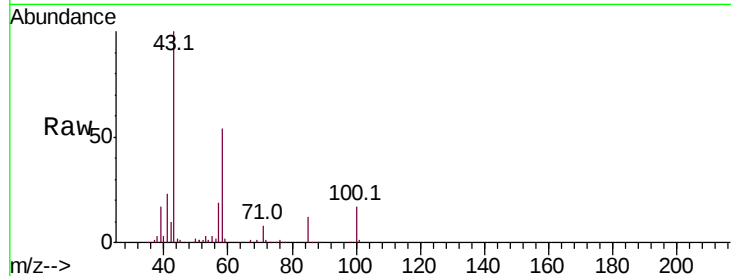
VSTDCCC050EC

Tot Ion: 43 Resp: 116206

Ion Ratio Lower Upper

43 100

58 53.1 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.98

80000

60000

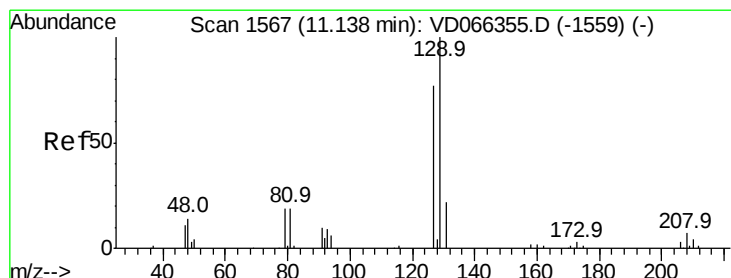
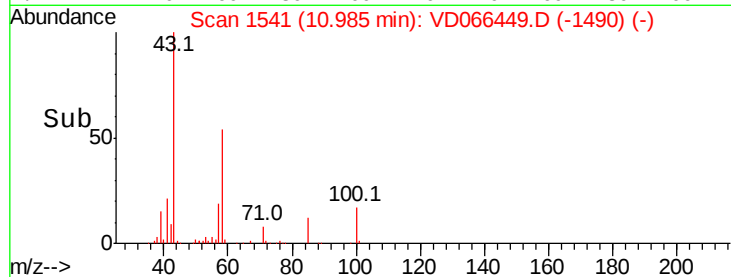
40000

20000

0

Time-->

10.90 10.95 11.00 11.05



#60

Dibromochloromethane

Concen: 56.927 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD066449.D

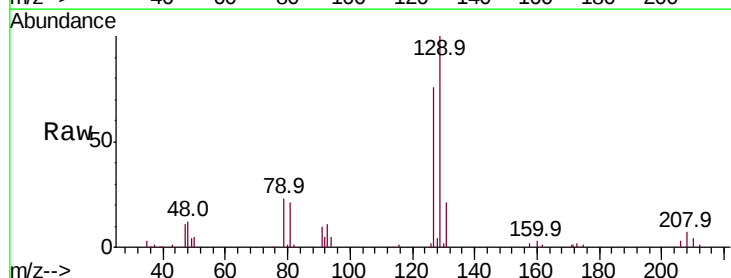
Acq: 27 Aug 2020 20:57

Tgt Ion: 129 Resp: 83421

Ion Ratio Lower Upper

129 100

127 77.1 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

50000

40000

30000

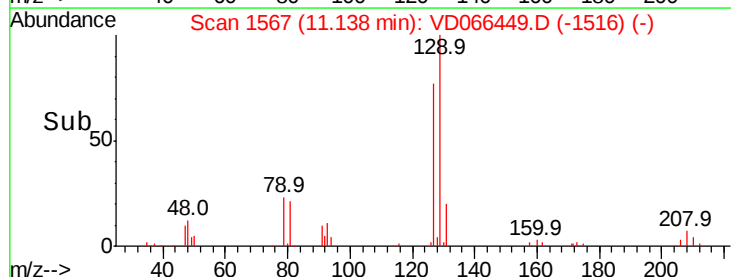
20000

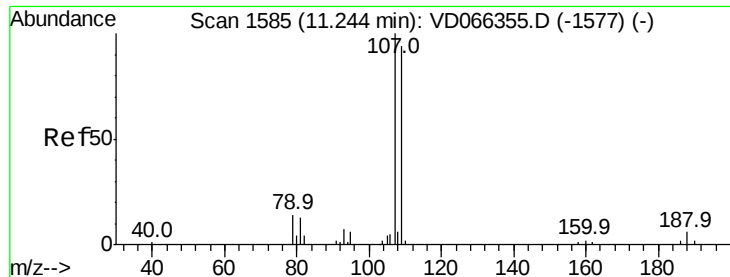
10000

0

Time-->

11.10 11.20

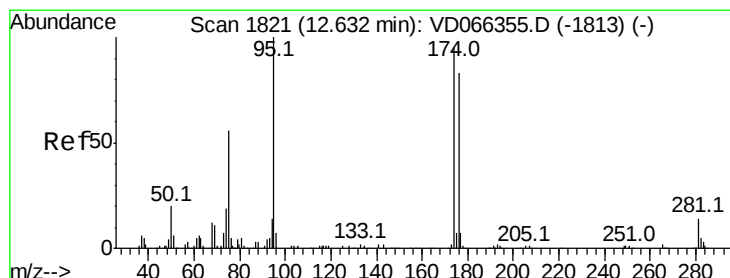
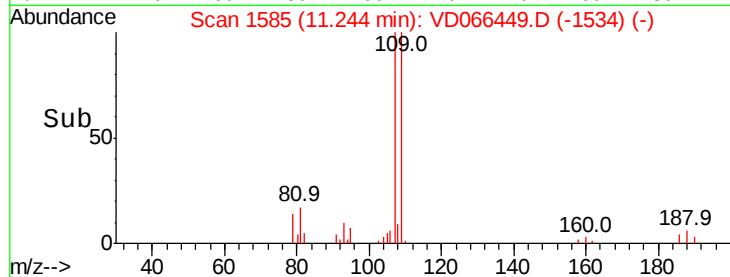
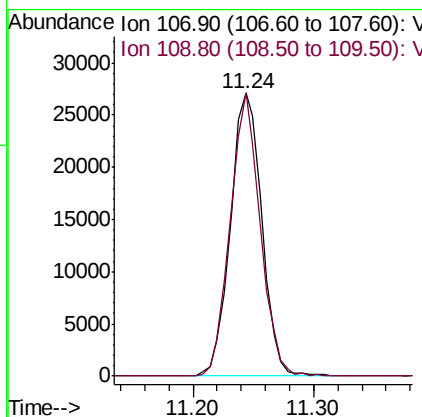
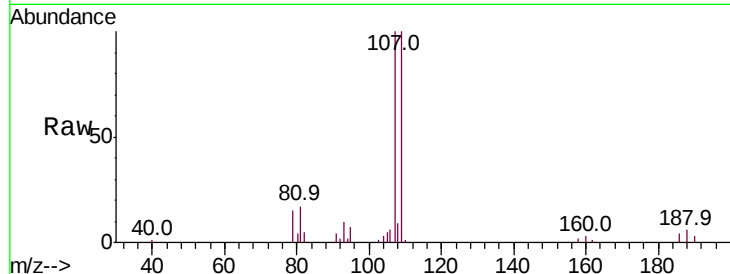




#61
 1,2-Dibromoethane
 Concen: 51.188 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

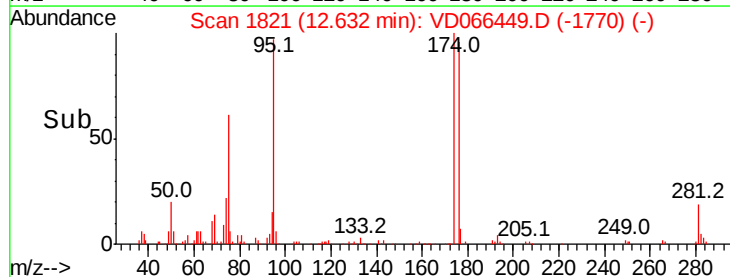
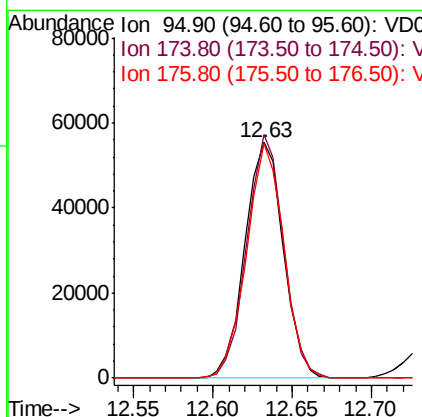
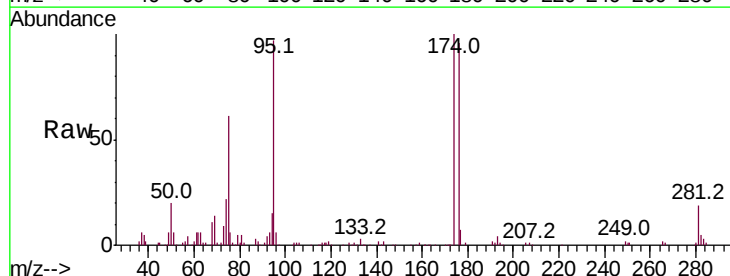
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

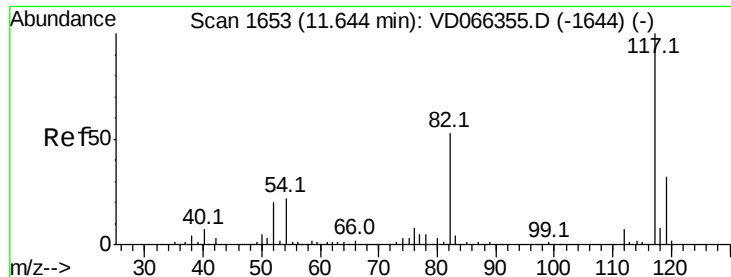
Tot Ion:107 Resp: 48973
 Ion Ratio Lower Upper
 107 100
 109 95.5 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 54.395 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion: 95 Resp: 93600
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 183.4
 176 96.2 0.0 173.8

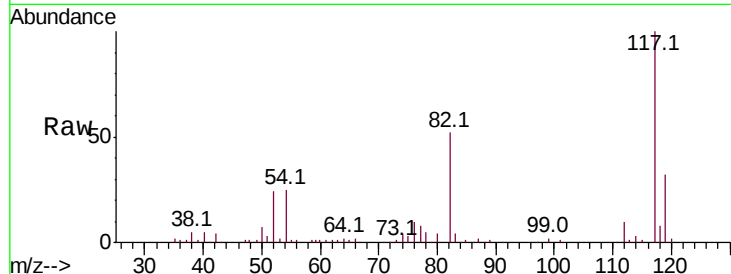




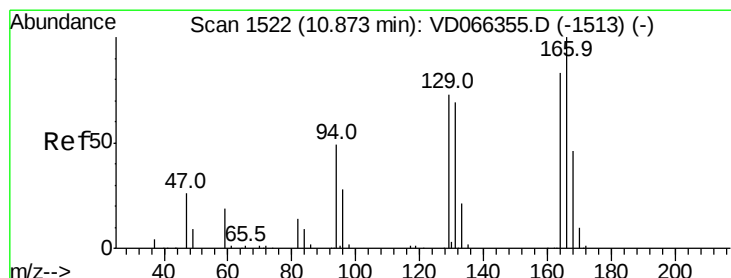
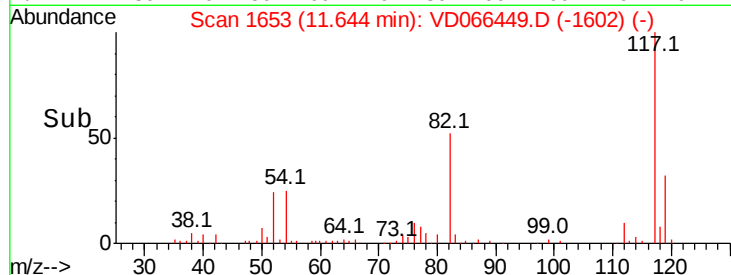
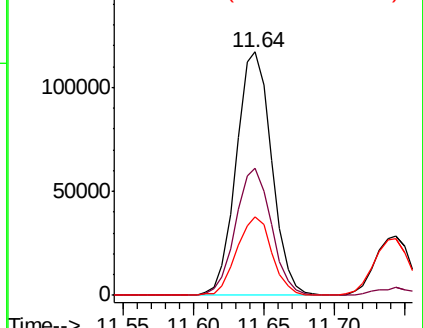
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 205401
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 32.4 25.8 38.8

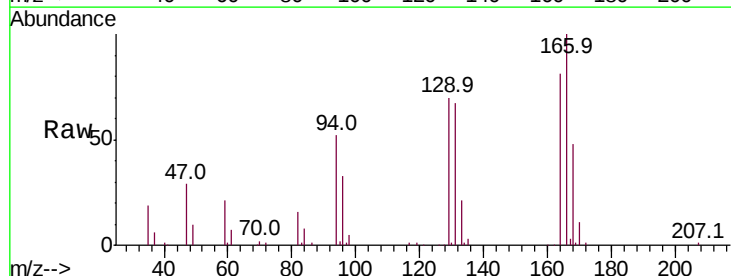


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

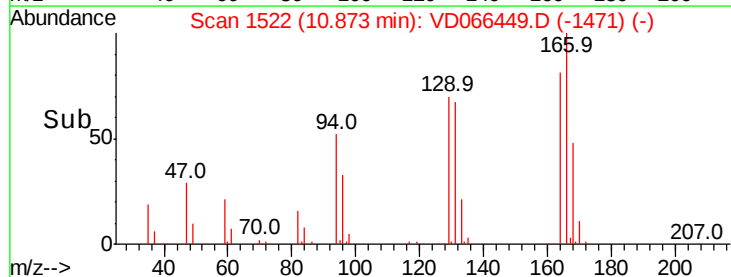
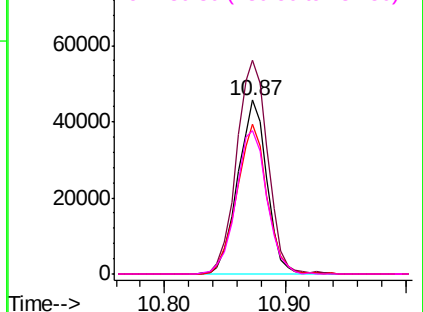


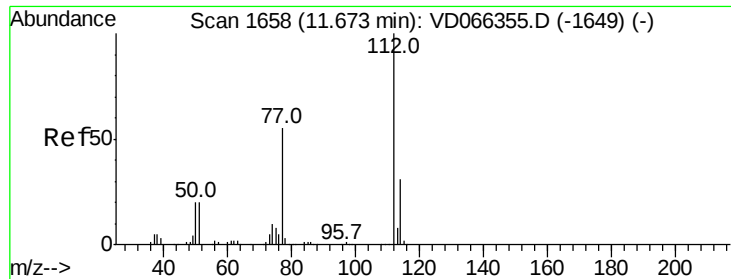
#64
Tetrachloroethene
Concen: 49.344 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion:164 Resp: 76886
Ion Ratio Lower Upper
164 100
166 122.9 96.2 144.4
129 86.2 70.3 105.5
131 82.7 66.4 99.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.546 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

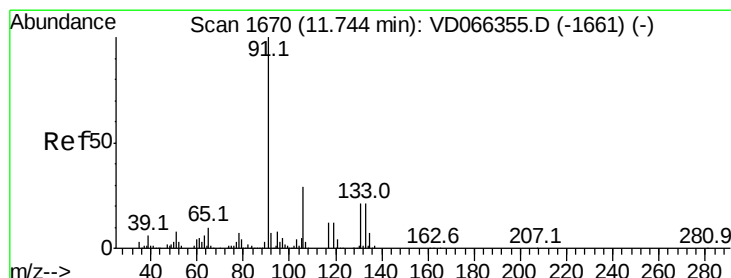
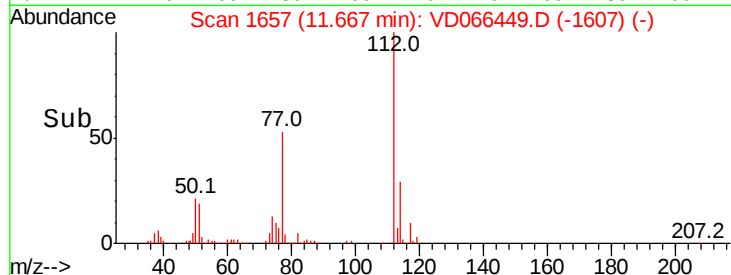
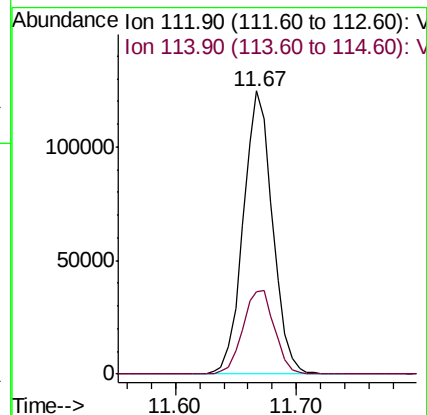
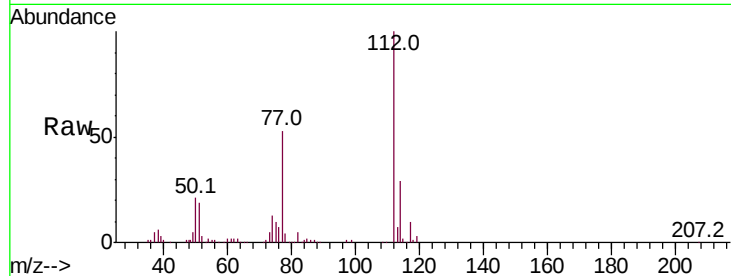
VSTDCCC050EC

Tot Ion:112 Resp: 210641

Ion Ratio Lower Upper

112 100

114 29.0 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 53.685 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

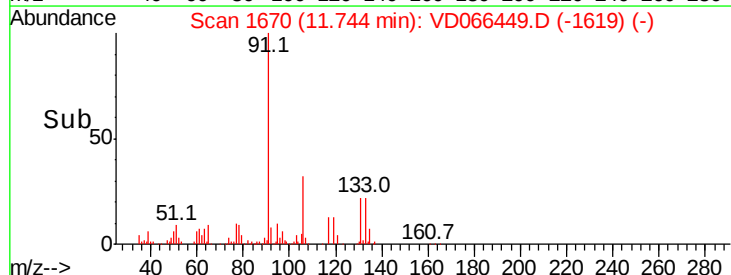
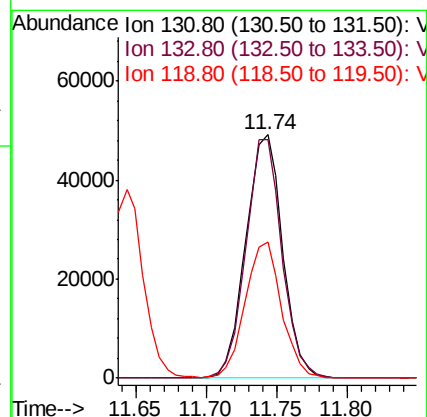
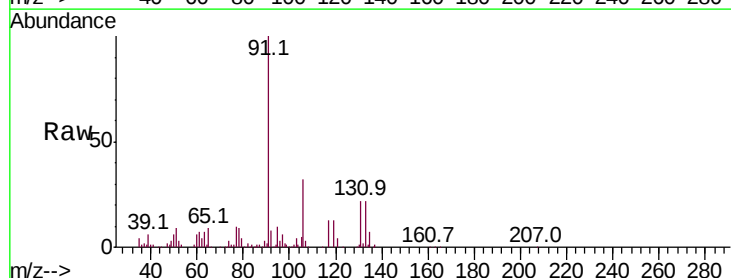
Tgt Ion:131 Resp: 89655

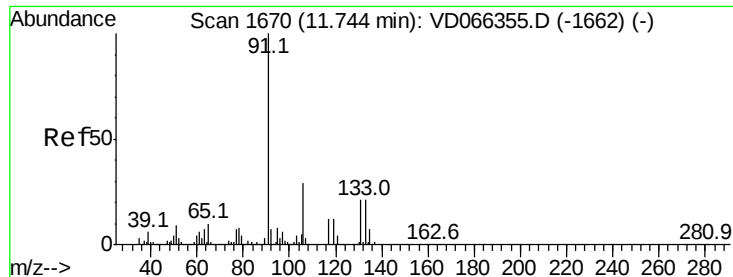
Ion Ratio Lower Upper

131 100

133 96.5 48.6 145.9

119 55.5 29.0 87.1





#67

Ethyl Benzene

Concen: 49.235 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

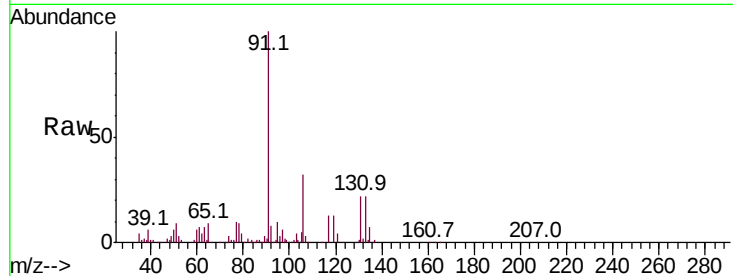
VSTDCCC050EC

Tot Ion: 91 Resp: 354157

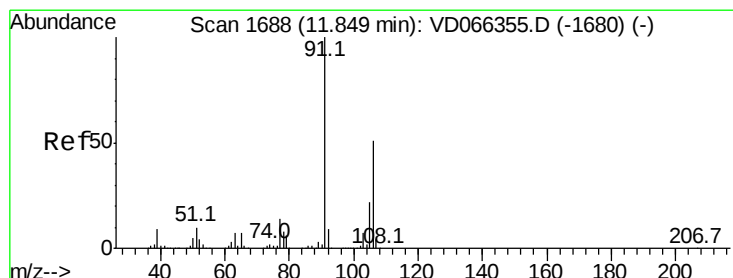
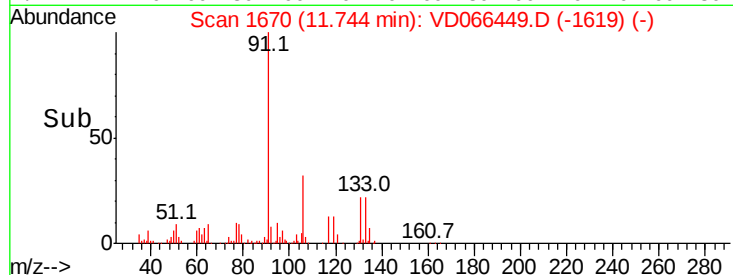
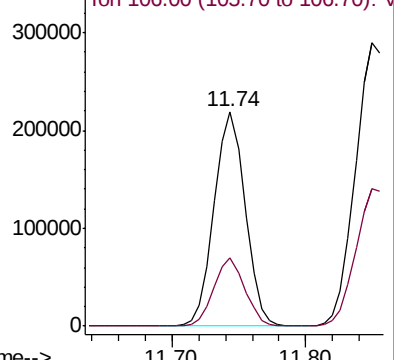
Ion Ratio Lower Upper

91 100

106 32.1 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1662) (-)



#68

m/p-Xylenes

Concen: 100.332 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066449.D

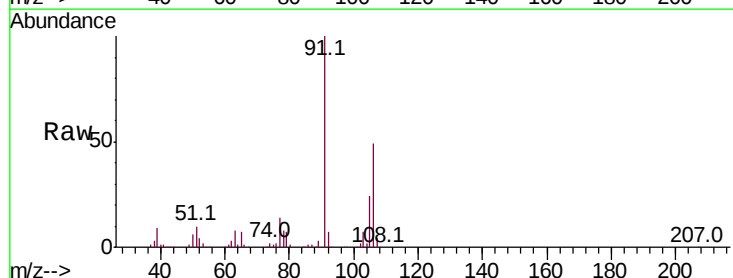
Acq: 27 Aug 2020 20:57

Tgt Ion: 106 Resp: 275083

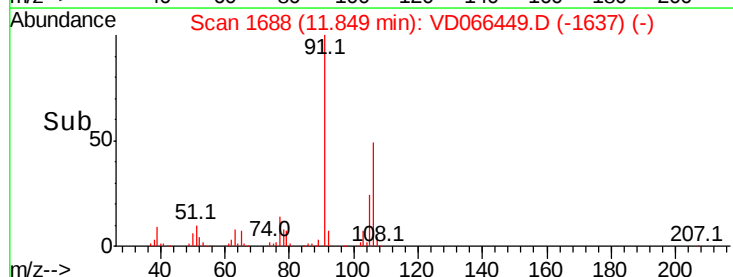
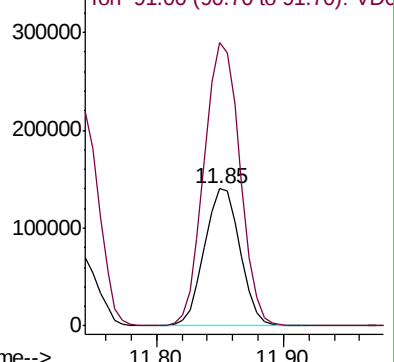
Ion Ratio Lower Upper

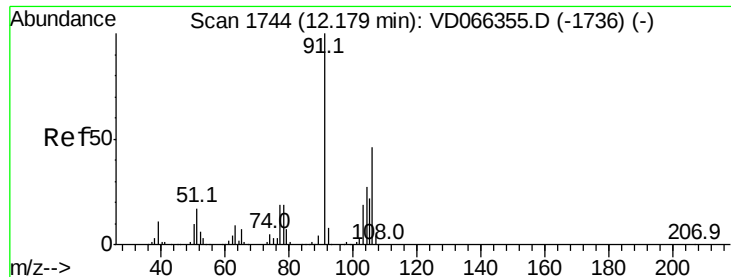
106 100

91 206.7 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066355.D (-1680) (-)

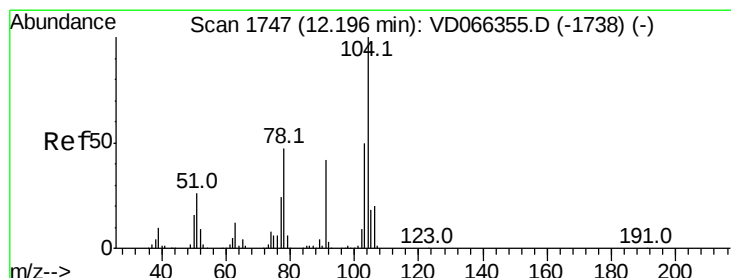
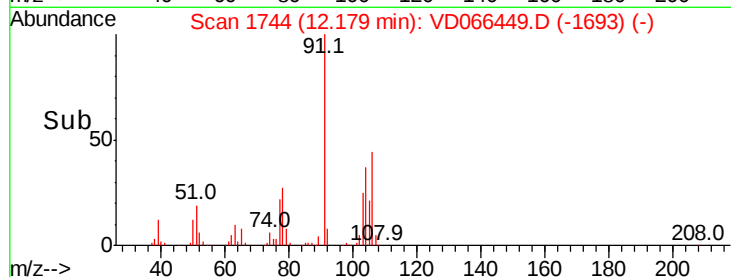
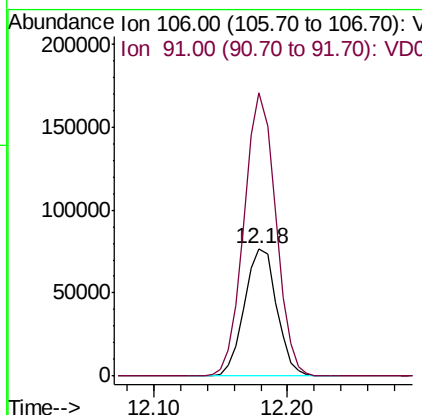
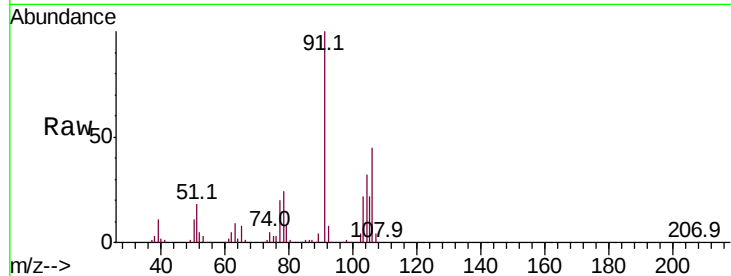




#69
o-Xylene
Concen: 50.330 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

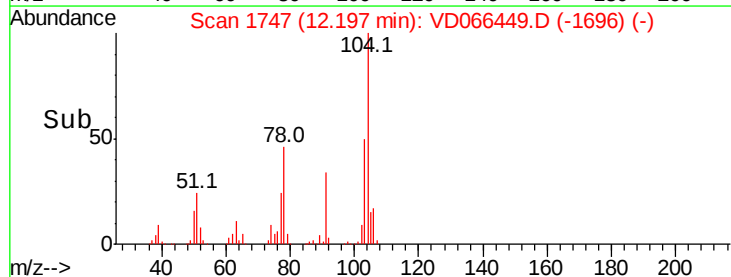
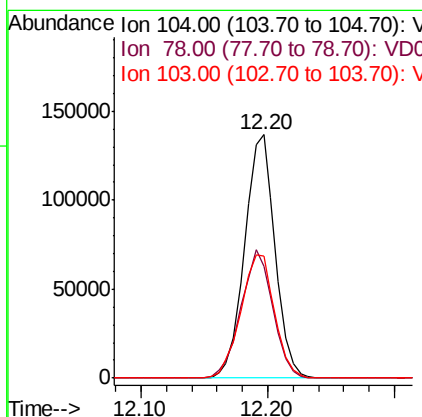
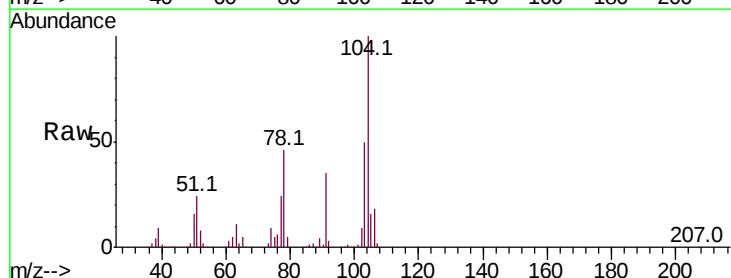
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

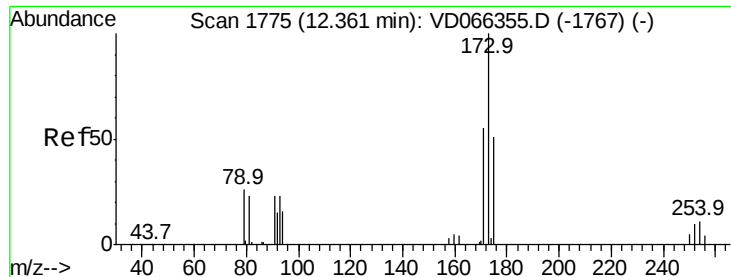
Tot Ion:106 Resp: 128372
Ion Ratio Lower Upper
106 100
91 217.8 109.1 327.3



#70
Styrene
Concen: 51.991 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion:104 Resp: 227697
Ion Ratio Lower Upper
104 100
78 55.1 41.7 62.5
103 56.2 43.5 65.3





#71

Bromoform

Concen: 54.565 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

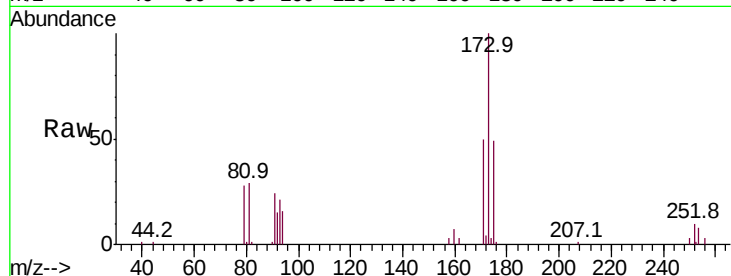
Tot Ion:173 Resp: 51699

Ion Ratio Lower Upper

173 100

175 50.8 24.8 74.3

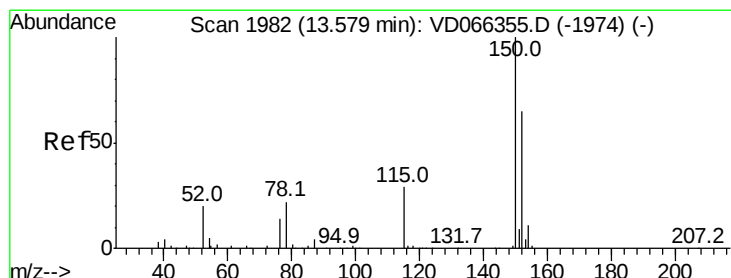
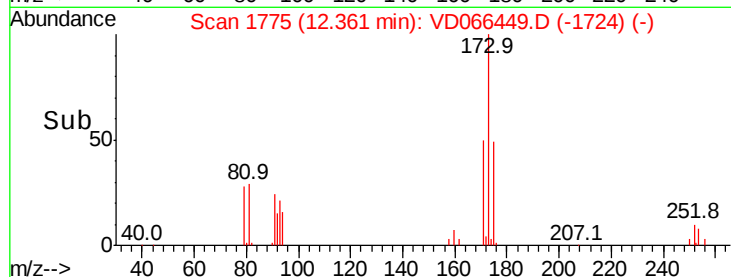
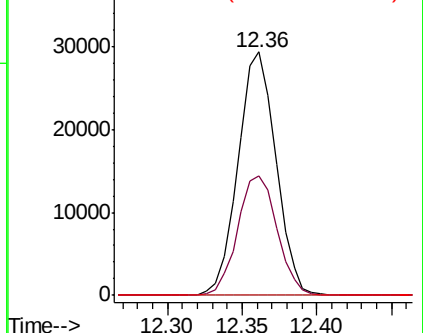
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

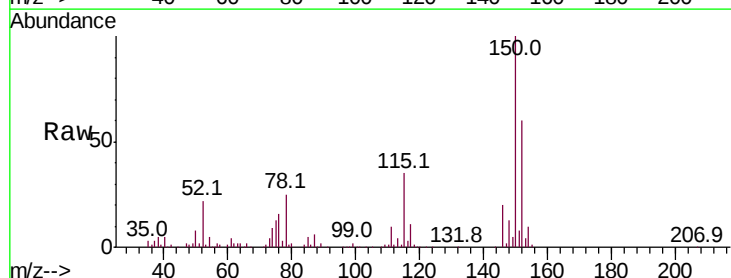
Tgt Ion:152 Resp: 110360

Ion Ratio Lower Upper

152 100

115 60.2 28.3 85.0

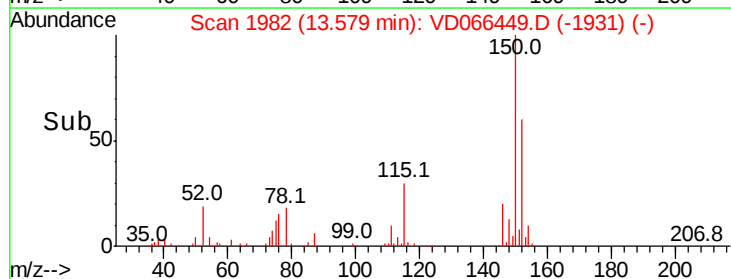
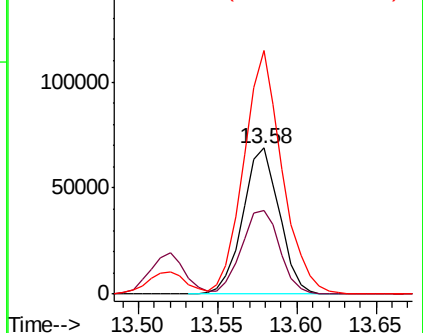
150 174.5 0.0 343.2

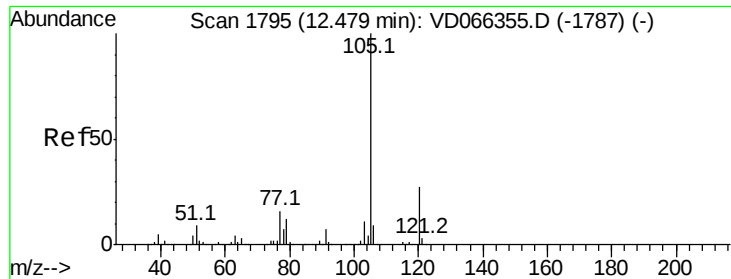


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.977 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

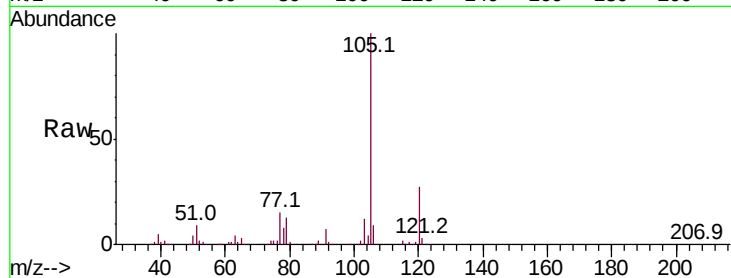
VSTDCCC050EC

Tot Ion:105 Resp: 362086

Ion Ratio Lower Upper

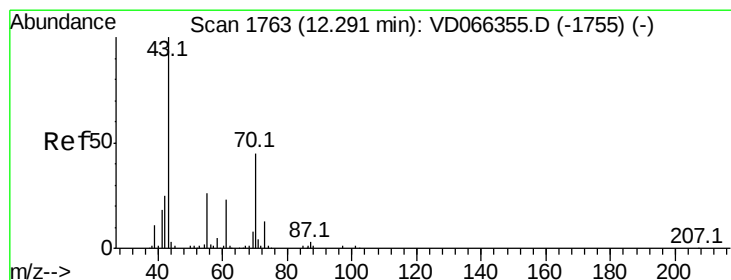
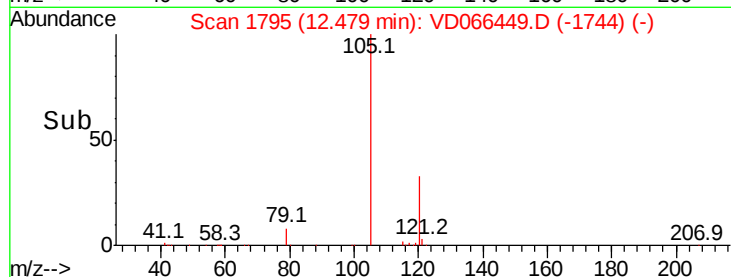
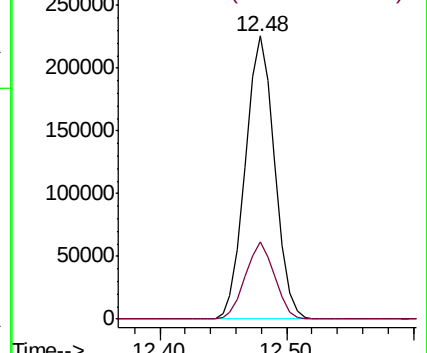
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.810 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Tgt Ion: 43 Resp: 61168

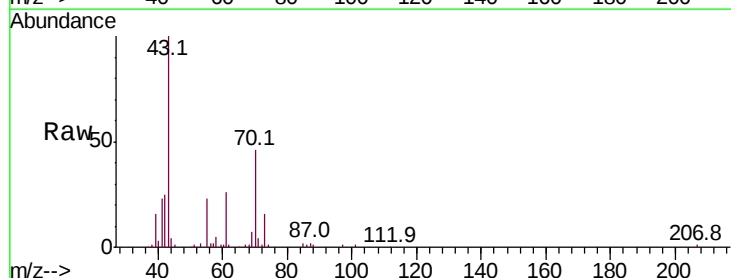
Ion Ratio Lower Upper

43 100

70 46.0 34.8 52.2

55 25.9 20.3 30.5

61 25.2 19.0 28.6

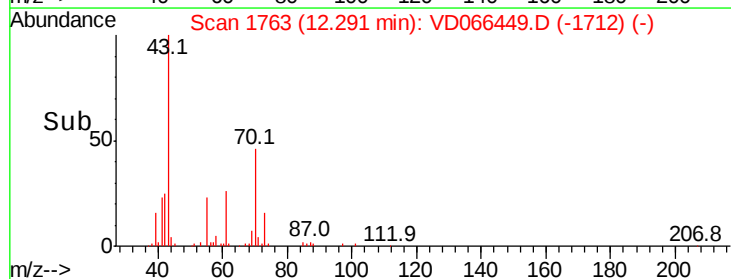
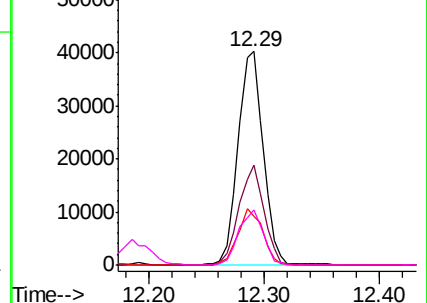


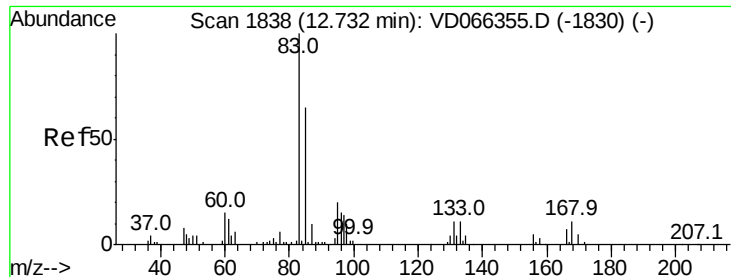
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.695 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

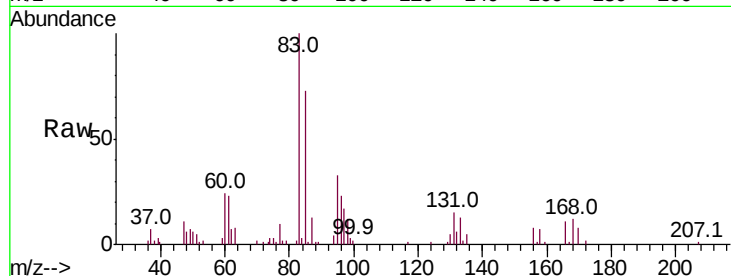
Tot Ion: 83 Resp: 45090

Ion Ratio Lower Upper

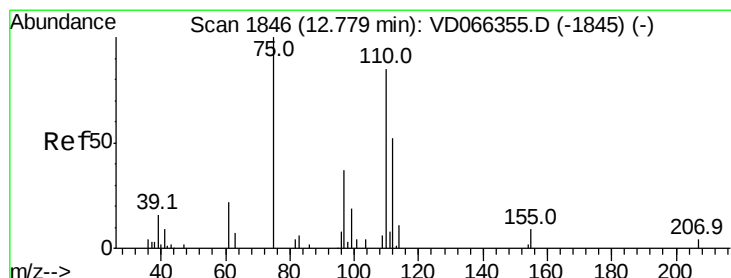
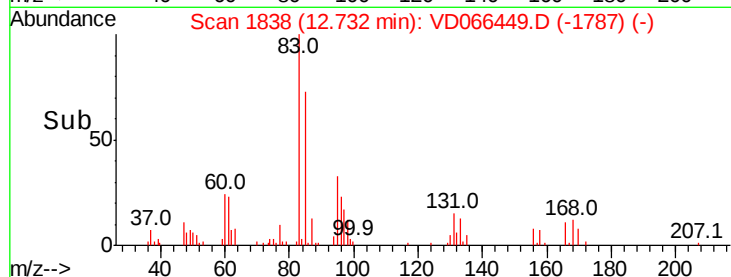
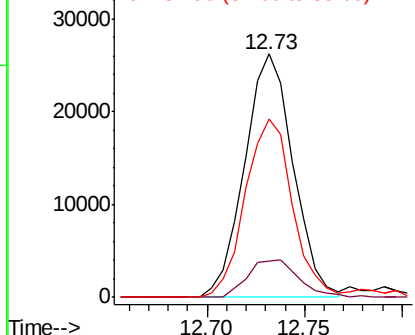
83 100

131 16.3 7.0 20.9

85 71.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 97.532 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VD066449.D

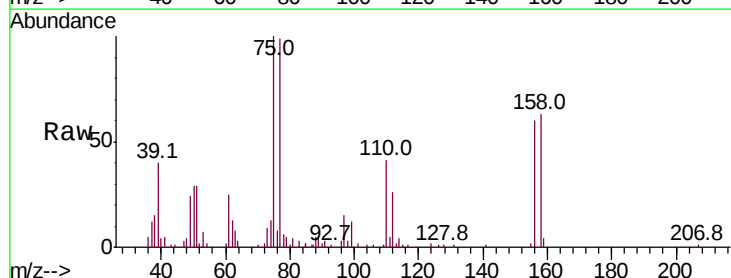
Acq: 27 Aug 2020 20:57

Tgt Ion: 75 Resp: 75723

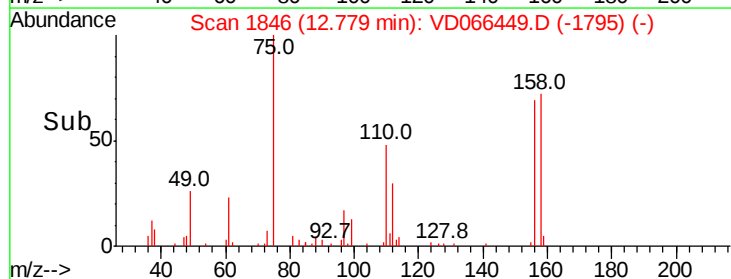
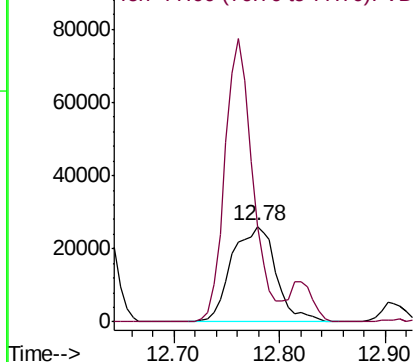
Ion Ratio Lower Upper

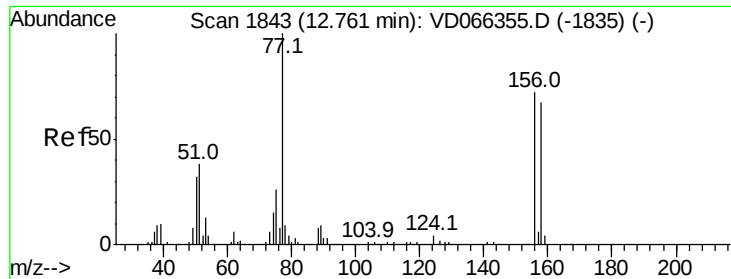
75 100

77 187.9 182.9 548.9



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





#77

Bromobenzene

Concen: 51.257 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

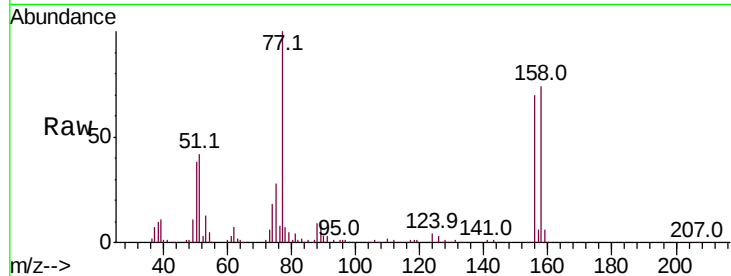
Tot Ion:156 Resp: 96180

Ion Ratio Lower Upper

156 100

77 148.0 76.1 228.3

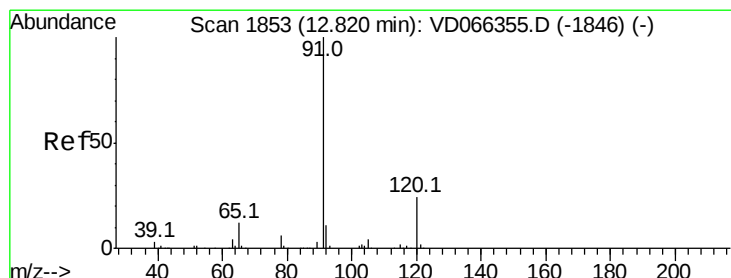
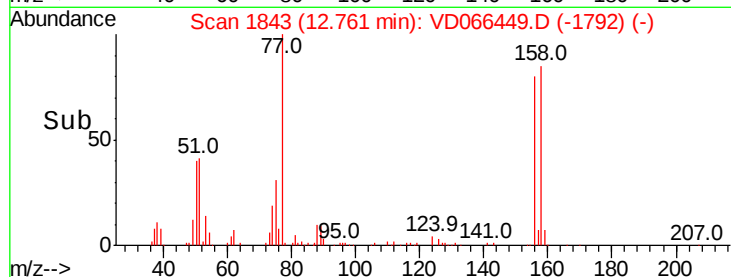
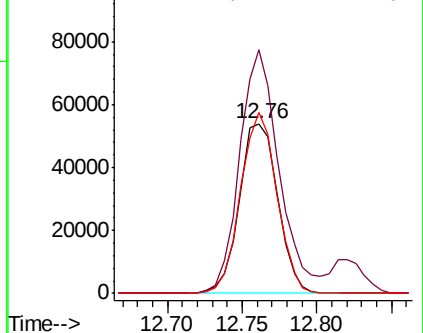
158 100.6 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.353 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066449.D

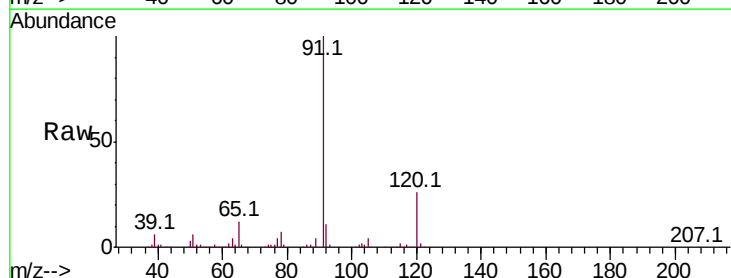
Acq: 27 Aug 2020 20:57

Tgt Ion: 91 Resp: 392920

Ion Ratio Lower Upper

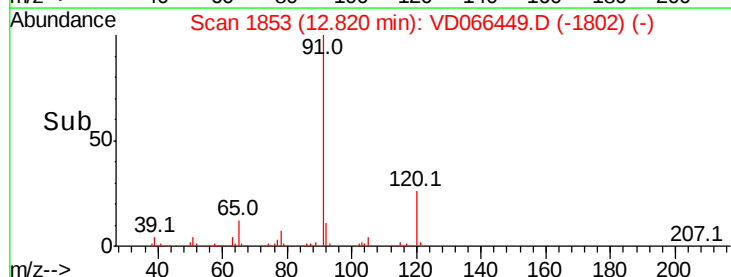
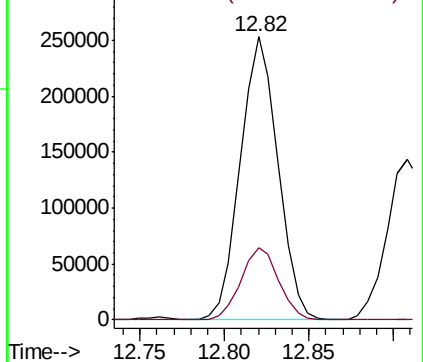
91 100

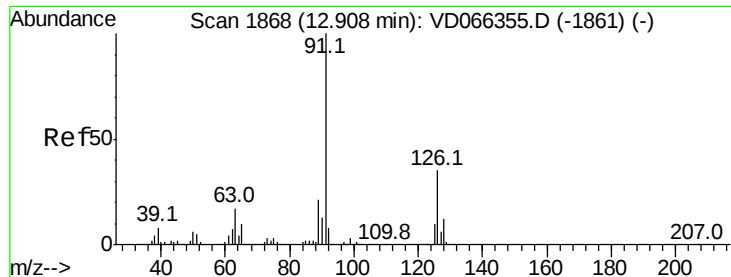
120 25.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.188 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

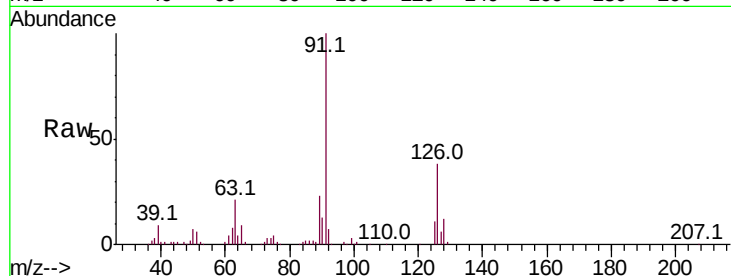
VSTDCCC050EC

Tot Ion: 91 Resp: 238140

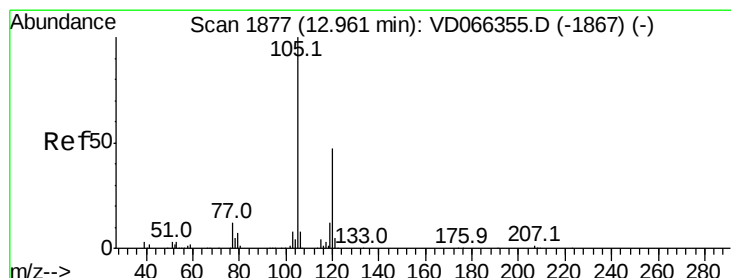
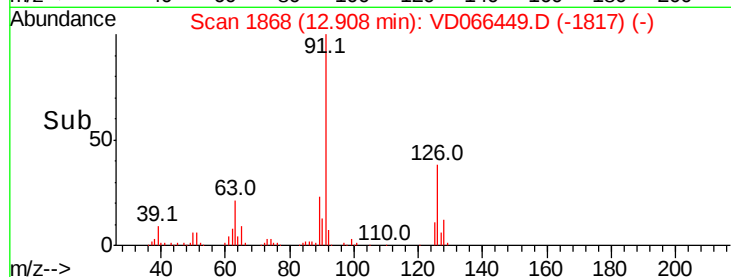
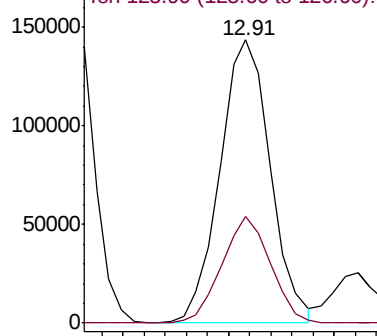
Ion Ratio Lower Upper

91 100

126 36.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 49.661 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066449.D

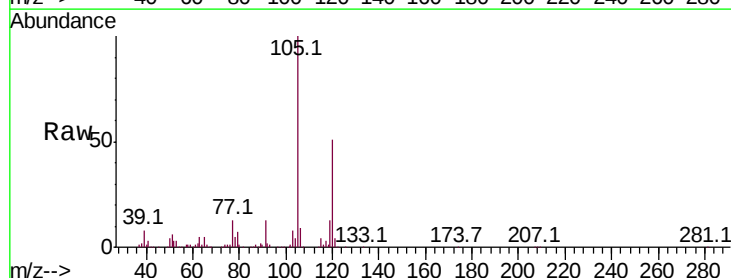
Acq: 27 Aug 2020 20:57

Tgt Ion:105 Resp: 316994

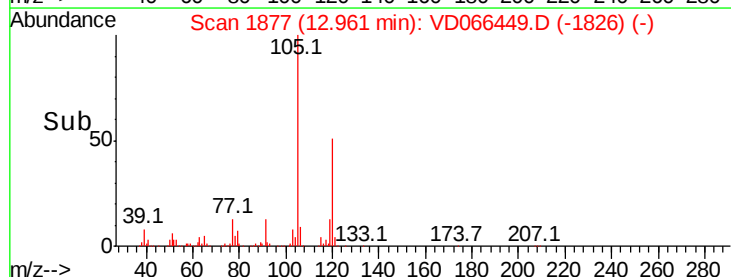
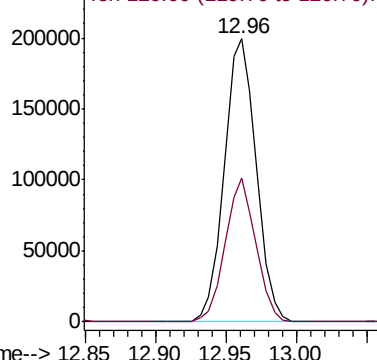
Ion Ratio Lower Upper

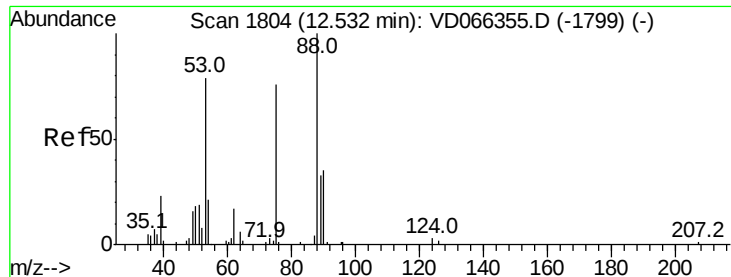
105 100

120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.421 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

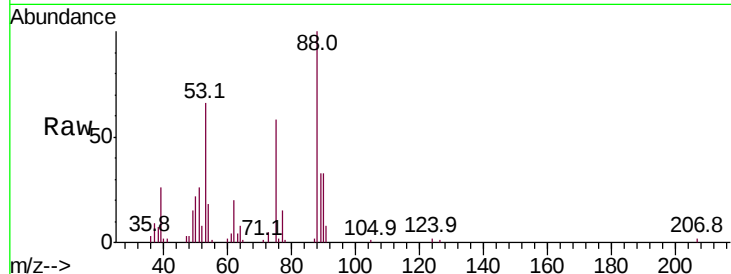
Tot Ion: 75 Resp: 16613

Ion Ratio Lower Upper

75 100

53 121.4 87.4 131.2

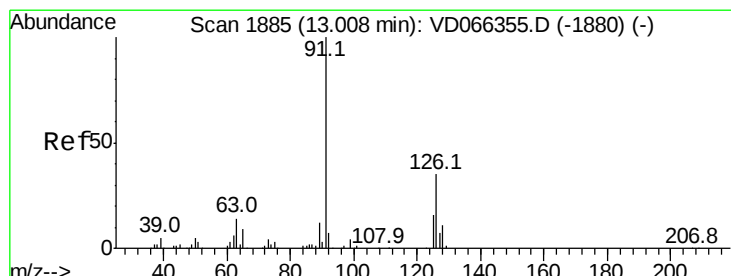
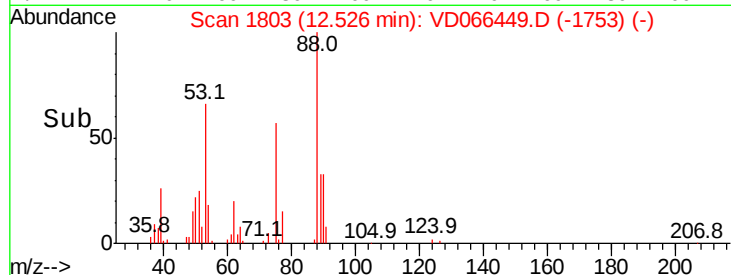
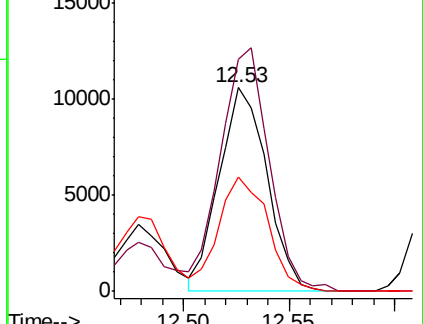
89 58.4 39.4 59.0



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: 49.150 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066449.D

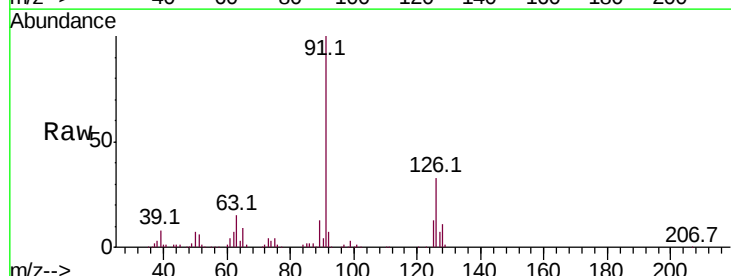
Acq: 27 Aug 2020 20:57

Tgt Ion: 91 Resp: 252106

Ion Ratio Lower Upper

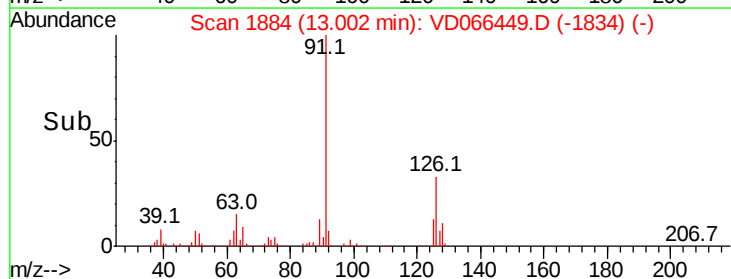
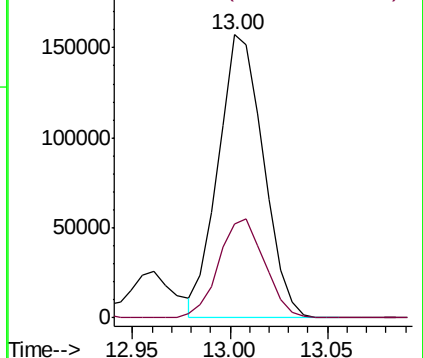
91 100

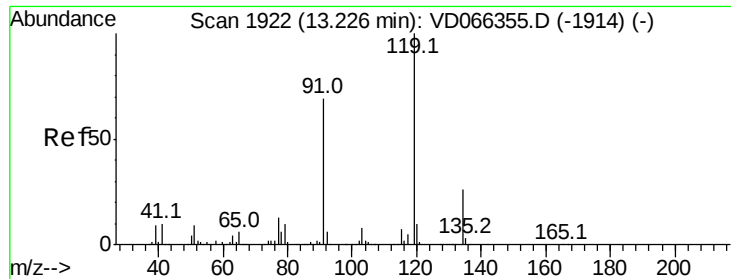
126 35.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

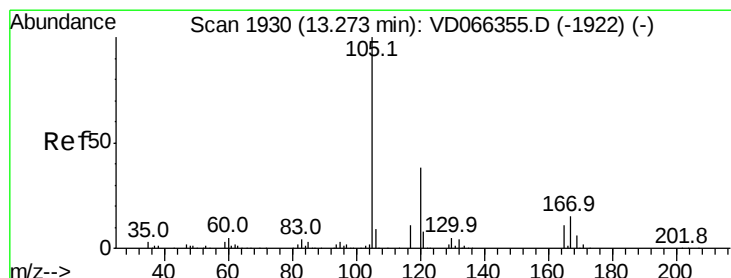
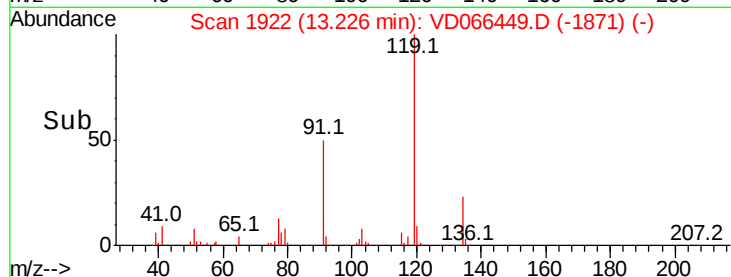
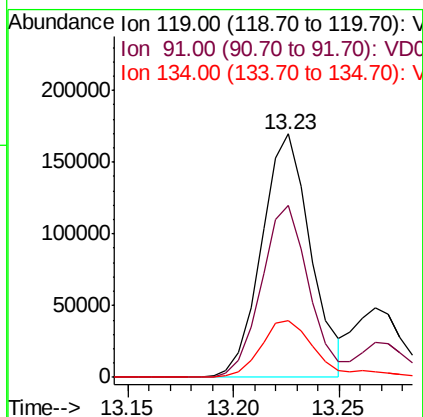
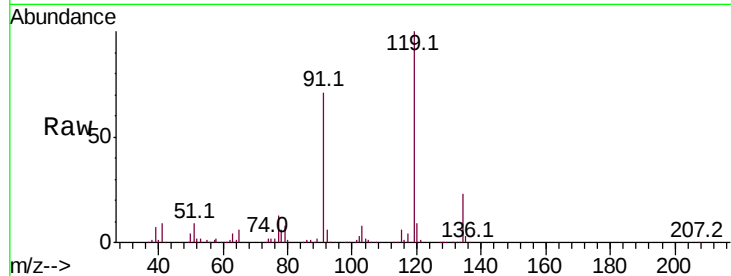




#83
tert-Butylbenzene
Concen: 49.499 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

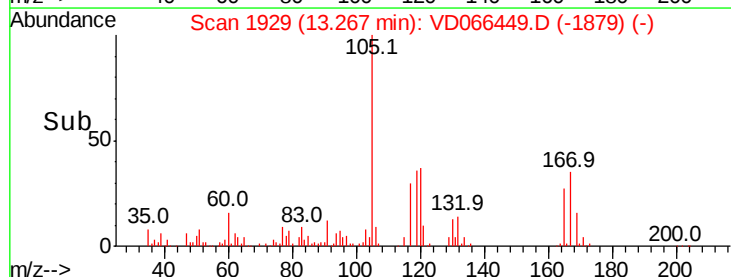
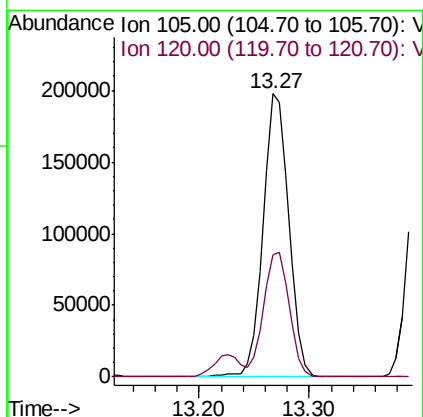
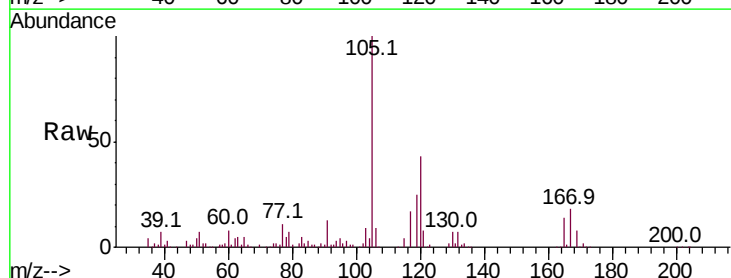
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

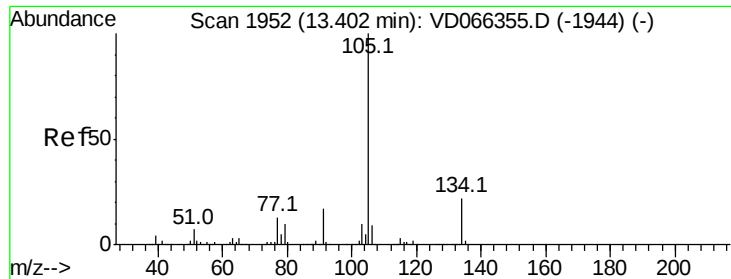
Tot Ion:119 Resp: 274438
Ion Ratio Lower Upper
119 100
91 68.0 33.5 100.5
134 26.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 51.571 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion:105 Resp: 323328
Ion Ratio Lower Upper
105 100
120 44.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 46.582 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

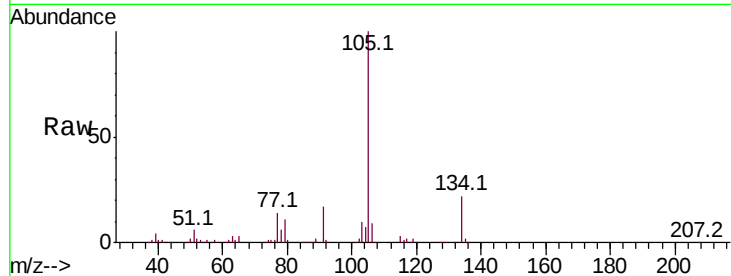
VSTDCCC050EC

Tot Ion:105 Resp: 338378

Ion Ratio Lower Upper

105 100

134 22.5 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

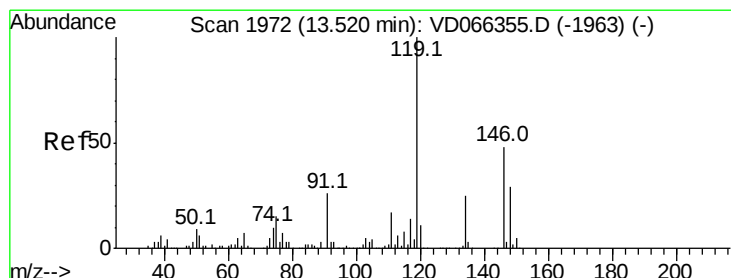
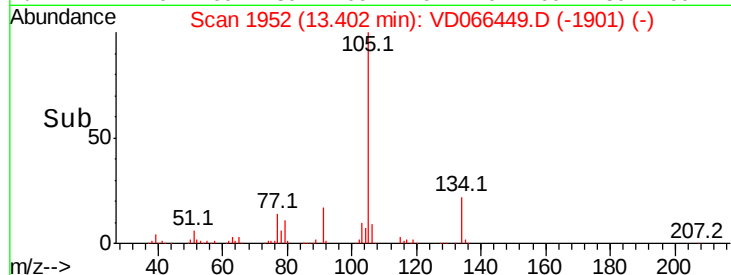
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 48.622 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

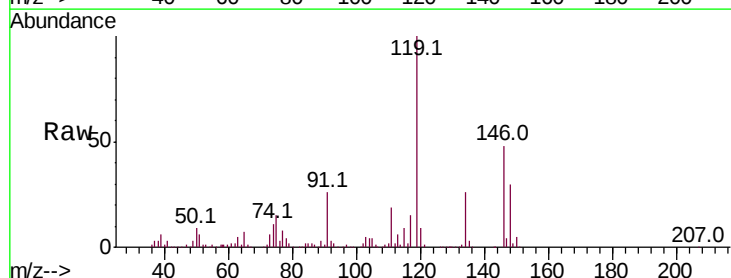
Tgt Ion:119 Resp: 340571

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 26.2 12.7 38.0



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

300000

250000

200000

150000

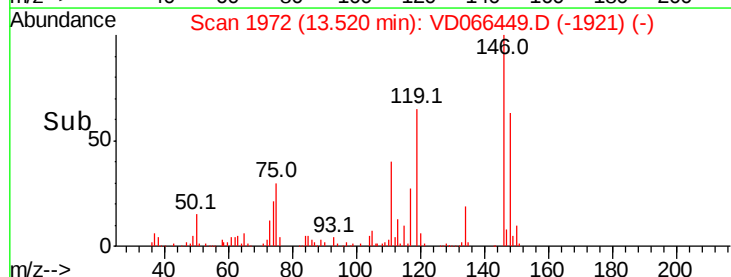
100000

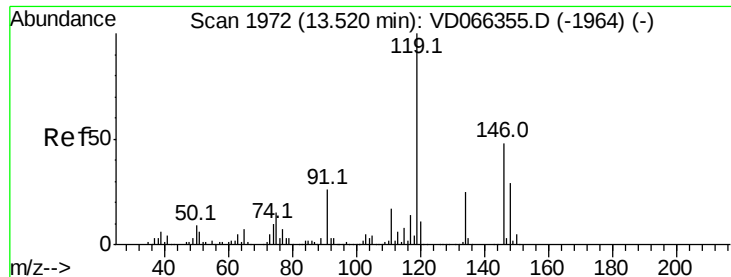
50000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.566 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

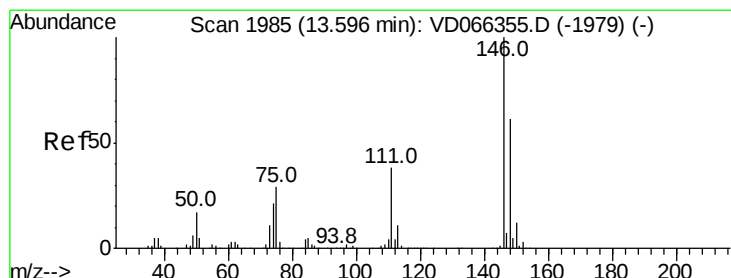
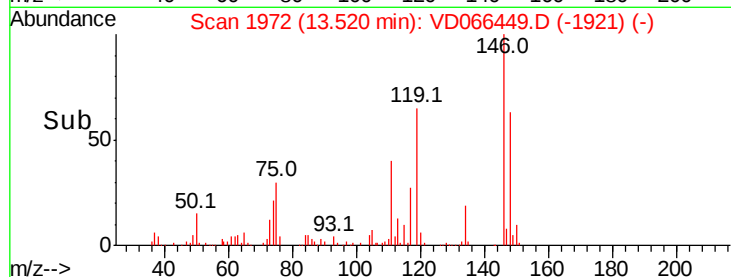
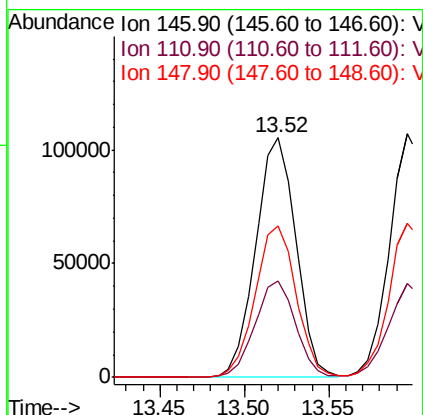
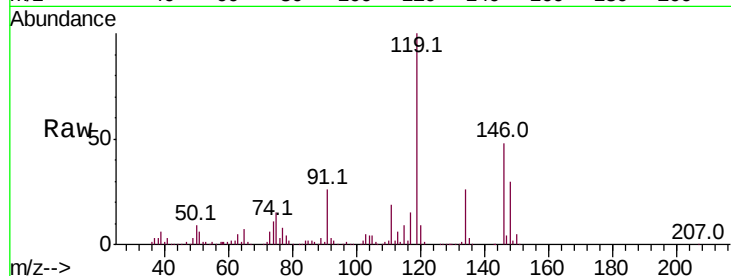
Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 173614

Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.9	56.9
148	64.7	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 50.004 ug/l

RT: 13.60 min Scan# 1985

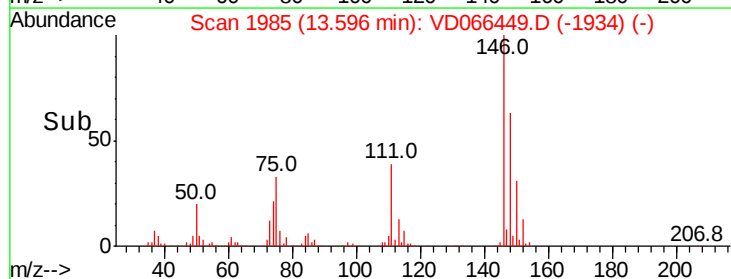
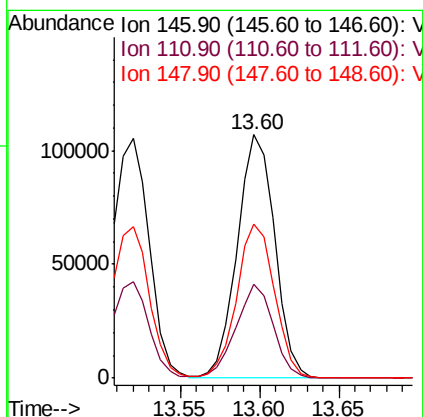
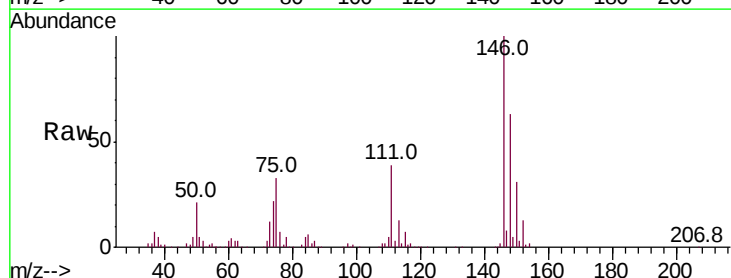
Delta R.T. 0.00 min

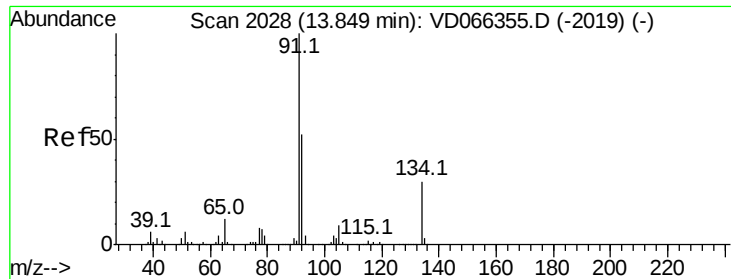
Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Tgt Ion:146 Resp: 175859

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.6	32.1	96.3

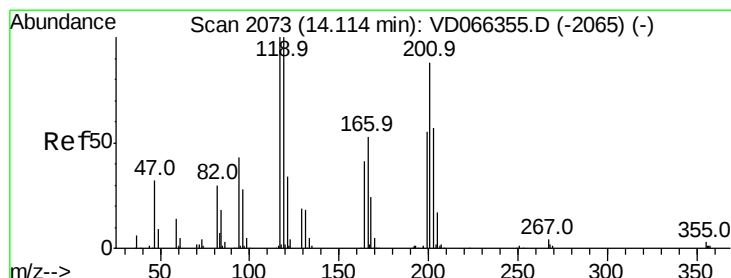
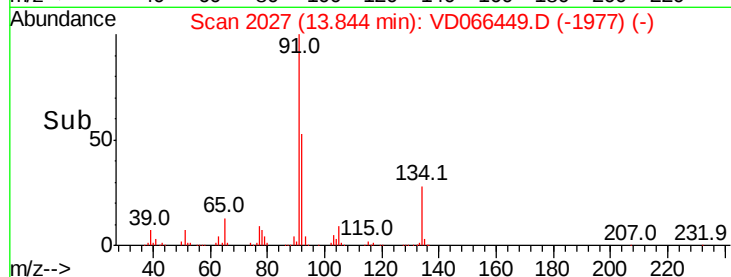
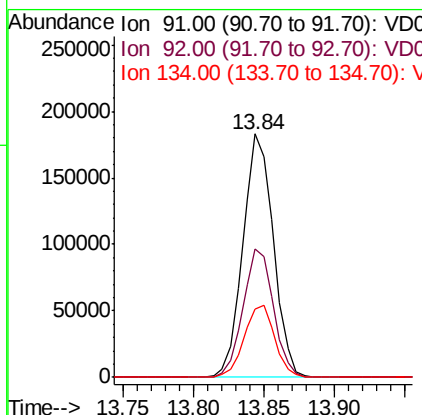
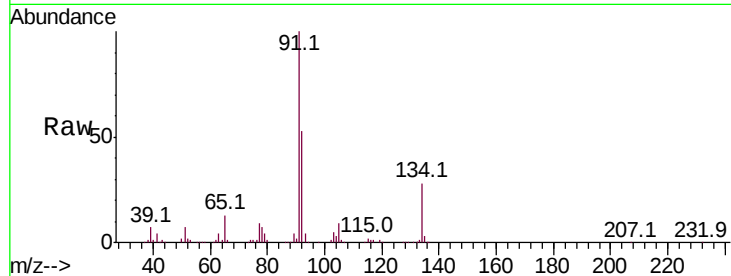




#89
n-Butylbenzene
Concen: 44.772 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

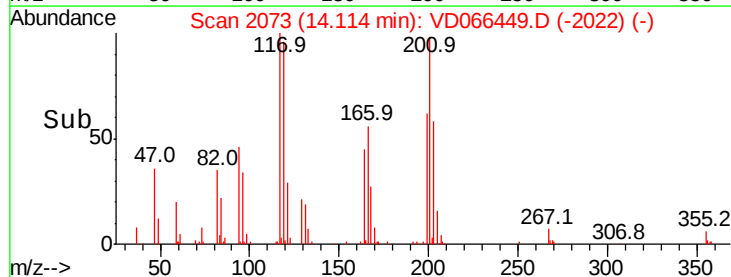
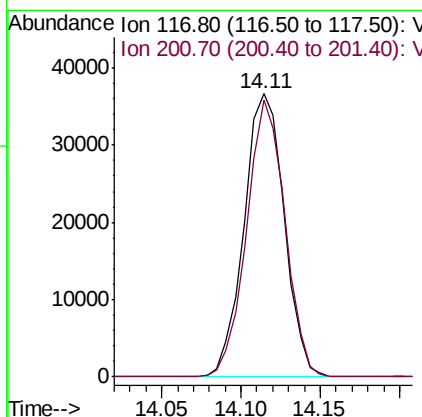
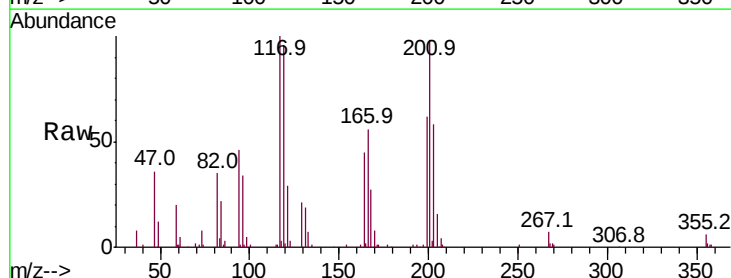
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

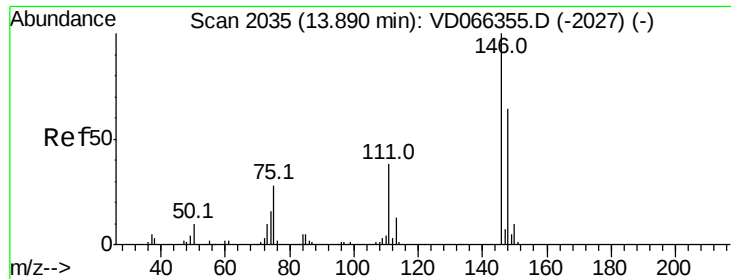
Tot Ion: 91 Resp: 276739
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 29.7 14.4 43.4



#90
Hexachloroethane
Concen: 46.770 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion: 117 Resp: 64714
Ion Ratio Lower Upper
117 100
201 93.1 45.4 136.2





#91

1,2-Dichlorobenzene

Concen: 53.428 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

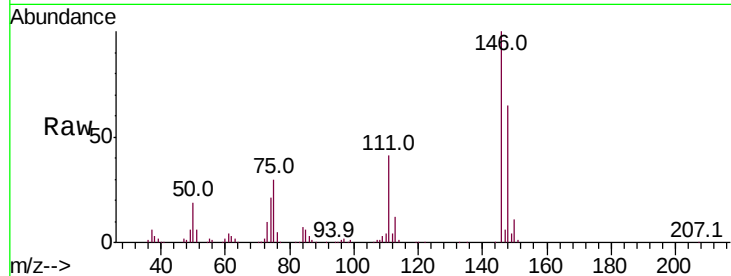
Tot Ion:146 Resp: 161103

Ion Ratio Lower Upper

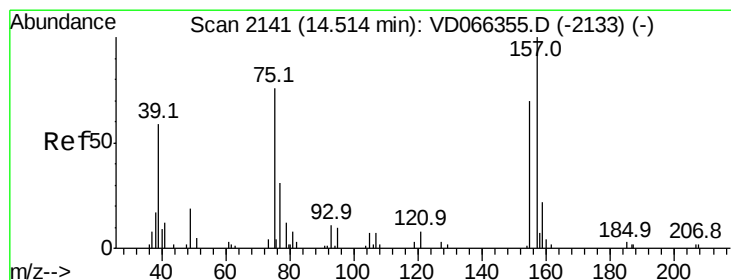
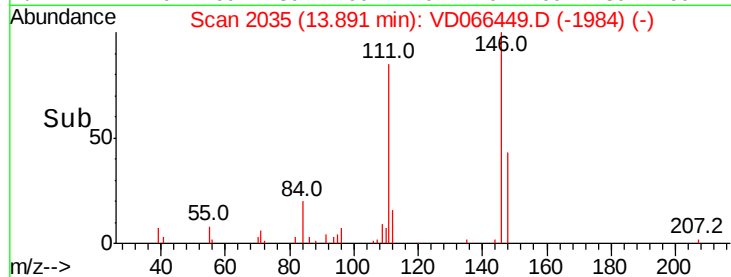
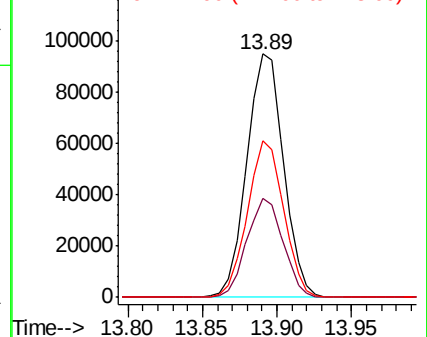
146 100

111 40.2 19.9 59.7

148 63.4 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.649 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066449.D

Acq: 27 Aug 2020 20:57

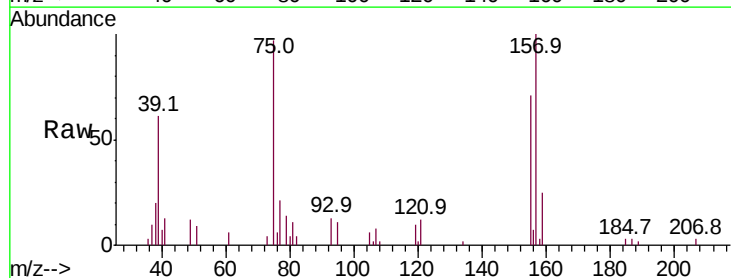
Tgt Ion: 75 Resp: 12991

Ion Ratio Lower Upper

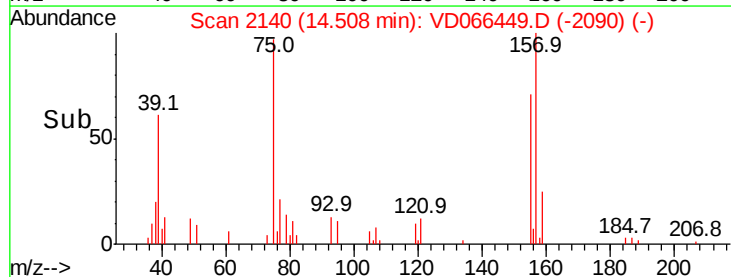
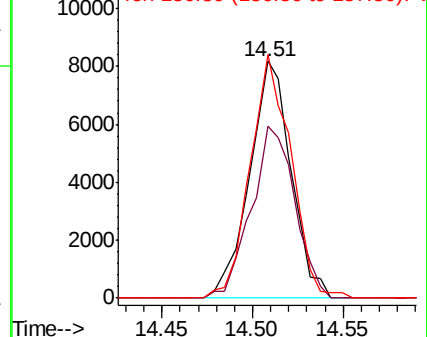
75 100

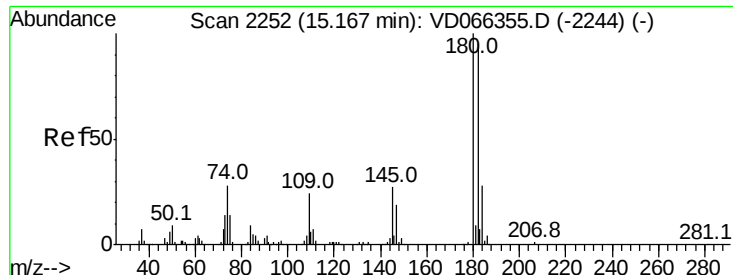
155 76.3 46.9 140.6

157 101.0 61.0 183.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

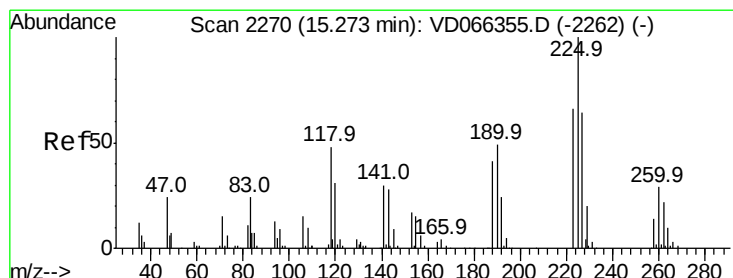
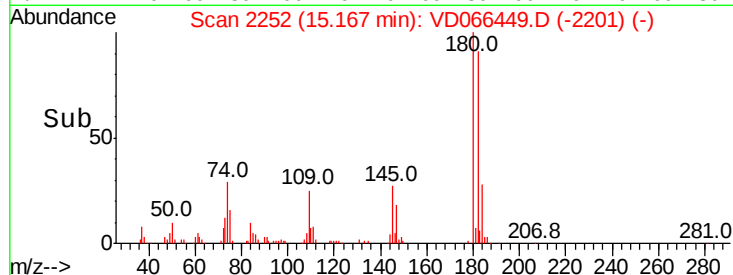
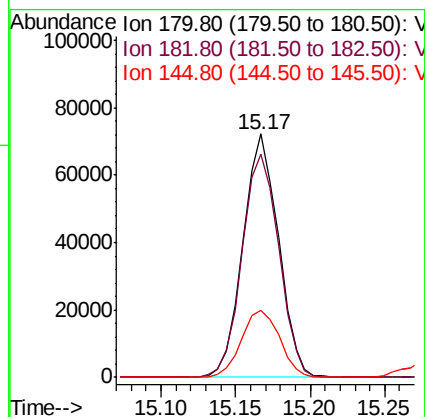
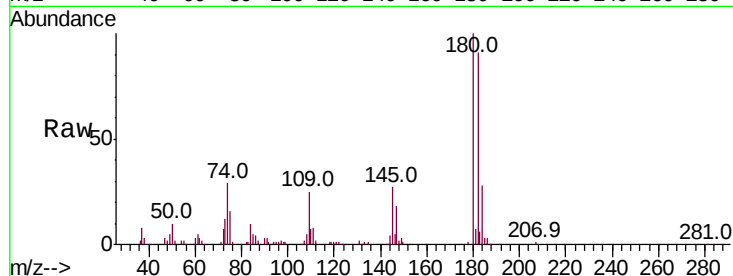




#93
 1,2,4-Trichlorobenzene
 Concen: 50.618 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

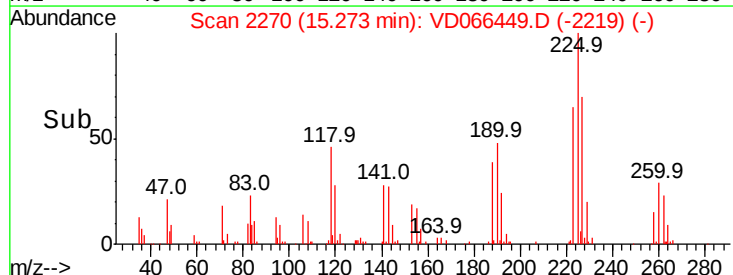
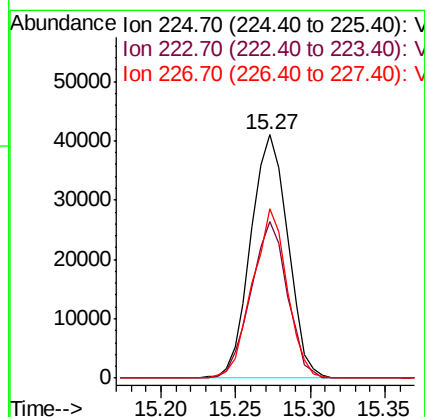
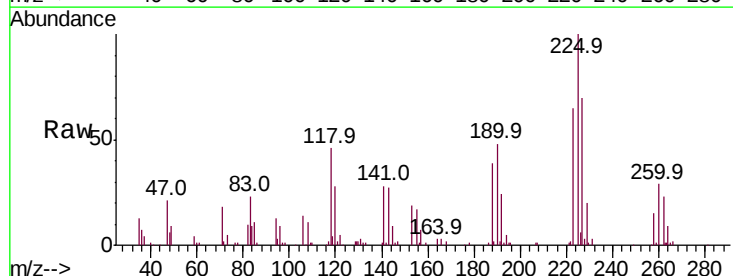
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

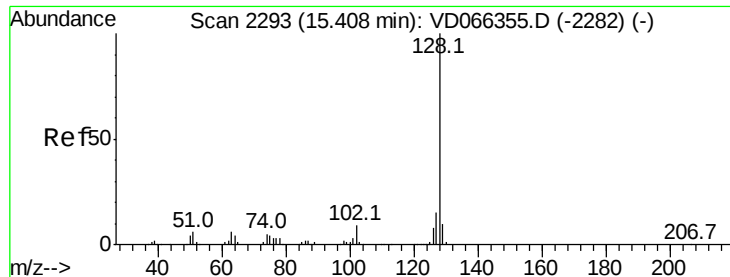
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.0
145	29.9	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 48.174 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066449.D
 Acq: 27 Aug 2020 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	65.0	33.0	98.9

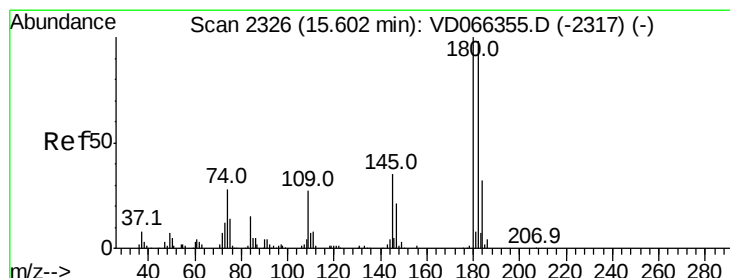
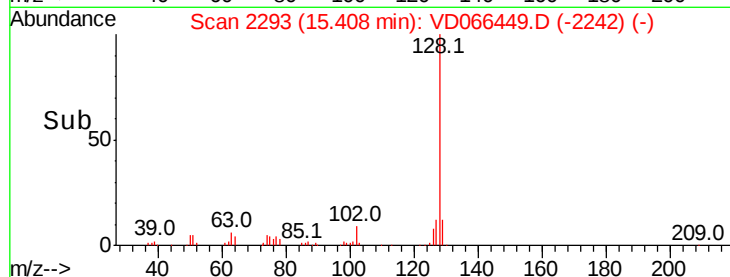
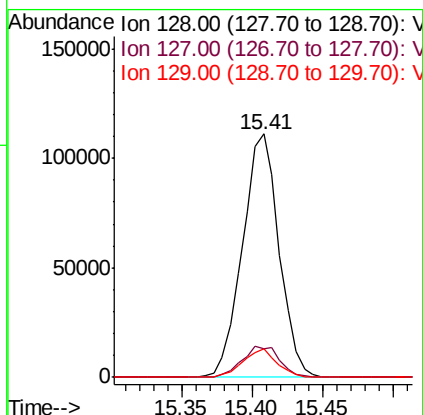
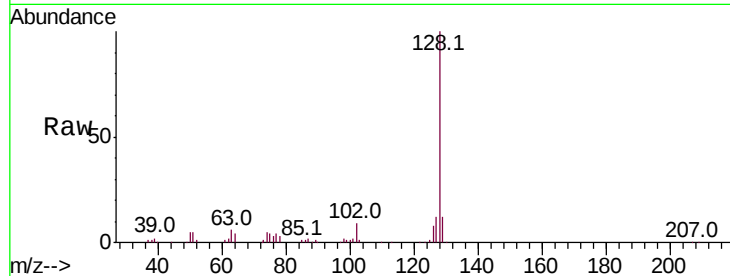




#95
Naphthalene
Concen: 54.622 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 201953
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.475 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066449.D
Acq: 27 Aug 2020 20:57

Tgt Ion:180 Resp: 107835
Ion Ratio Lower Upper
180 100
182 90.7 46.7 140.0
145 32.1 16.0 48.0

