

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066734.D
 Acq On : 17 Sep 2020 10:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 01:13:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	427207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	681664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217632	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.91	113	212151	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.34	98	779900	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.63	95	254326	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145871	45.703	ug/l	97
3) Chloromethane	2.21	50	187000	40.225	ug/l	97
4) Vinyl Chloride	2.35	62	200531	41.216	ug/l	97
5) Bromomethane	2.77	94	142962	41.421	ug/l	97
6) Chloroethane	2.92	64	122968	40.570	ug/l #	87
7) Trichlorofluoromethane	3.27	101	370639	44.104	ug/l	99
8) Diethyl Ether	3.71	74	93148	44.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	210813	45.646	ug/l	98
10) Methyl Iodide	4.30	142	195143	44.533	ug/l	99
11) Tert butyl alcohol	5.21	59	65761	211.695	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	188831	44.174	ug/l	94
13) Acrolein	3.92	56	76139	236.847	ug/l	97
14) Allyl chloride	4.71	41	300095	43.714	ug/l	98
15) Acrylonitrile	5.42	53	207752	225.365	ug/l	98
16) Acetone	4.15	43	268772	289.564	ug/l	93
17) Carbon Disulfide	4.41	76	623828	46.442	ug/l	100
18) Methyl Acetate	4.72	43	88666	44.347	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	429212	45.079	ug/l	100
20) Methylene Chloride	4.96	84	237335	47.147	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	230614	46.306	ug/l	99
22) Diisopropyl ether	6.36	45	632241	45.325	ug/l	95
23) Vinyl Acetate	6.30	43	1812739	233.627	ug/l	98
24) 1,1-Dichloroethane	6.26	63	388978	43.944	ug/l	97
25) 2-Butanone	7.21	43	289809	239.780	ug/l	97
26) 2,2-Dichloropropane	7.20	77	369594	45.154	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	249021	45.705	ug/l	100
28) Bromochloromethane	7.54	49	158632	47.980	ug/l	96
29) Tetrahydrofuran	7.56	42	164927	223.028	ug/l	95
30) Chloroform	7.70	83	419301	44.509	ug/l	97
31) Cyclohexane	7.98	56	362707	45.049	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	392933	45.581	ug/l	100
36) 1,1-Dichloropropene	8.11	75	327377	46.712	ug/l	99
37) Ethyl Acetate	7.29	43	122334	46.107	ug/l	98
38) Carbon Tetrachloride	8.09	117	353599	47.510	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	392190	48.923	ug/l	98
40) Benzene	8.34	78	898419	47.383	ug/l	99
41) Methacrylonitrile	7.51	41	67983	48.398	ug/l	92
42) 1,2-Dichloroethane	8.41	62	262076	44.615	ug/l	97
43) Isopropyl Acetate	8.44	43	225984	45.251	ug/l	99
44) Trichloroethene	9.11	130	243218	47.976	ug/l	96
45) 1,2-Dichloropropane	9.38	63	222487	47.465	ug/l	97
46) Dibromomethane	9.47	93	120271	46.693	ug/l	99
47) Bromodichloromethane	9.66	83	322624	45.966	ug/l	99
48) Methyl methacrylate	9.45	41	121720	47.918	ug/l	98
49) 1,4-Dioxane	9.46	88	25182	912.671	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	599627	233.222	ug/l	98
52) Toluene	10.40	92	585013	48.163	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	292756	46.691	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	354586	47.613	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	155921	45.912	ug/l	97
56) Ethyl methacrylate	10.66	69	185508	48.136	ug/l	97
57) 1,3-Dichloropropane	10.94	76	272233	45.678	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	417328	246.561	ug/l	98
59) 2-Hexanone	10.98	43	445104	257.653	ug/l	100
60) Dibromochloromethane	11.14	129	207758	46.950	ug/l	97
61) 1,2-Dibromoethane	11.24	107	153449	47.103	ug/l	100
64) Tetrachloroethene	10.87	164	192667	46.275	ug/l	96
65) Chlorobenzene	11.67	112	590491	46.761	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	220377	47.299	ug/l	99
67) Ethyl Benzene	11.74	91	1118273	48.891	ug/l	96
68) m/p-Xylenes	11.85	106	856100	99.030	ug/l	98
69) o-Xylene	12.18	106	376955	49.343	ug/l	98
70) Styrene	12.19	104	662944	49.305	ug/l	99
71) Bromoform	12.36	173	110241	47.147	ug/l #	97
73) Isopropylbenzene	12.48	105	1054866	50.111	ug/l	100
74) N-amyl acetate	12.28	43	208664	46.991	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	168099	46.994	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	222537	92.200	ug/l #	100
77) Bromobenzene	12.76	156	229340	47.269	ug/l	97
78) n-propylbenzene	12.82	91	1284365	50.051	ug/l	99
79) 2-Chlorotoluene	12.91	91	694682	47.876	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	889931	50.000	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	54943	49.128	ug/l	93
82) 4-Chlorotoluene	13.00	91	747028	48.691	ug/l	99
83) tert-Butylbenzene	13.23	119	746194	50.866	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	882824	49.632	ug/l	100
85) sec-Butylbenzene	13.40	105	1058098	50.311	ug/l	99
86) p-Isopropyltoluene	13.52	119	986631	51.602	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	455463	48.931	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440729	47.548	ug/l	99
89) n-Butylbenzene	13.84	91	936008	51.484	ug/l	99
90) Hexachloroethane	14.11	117	190735	48.561	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	378252	47.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27764	48.016	ug/l	95

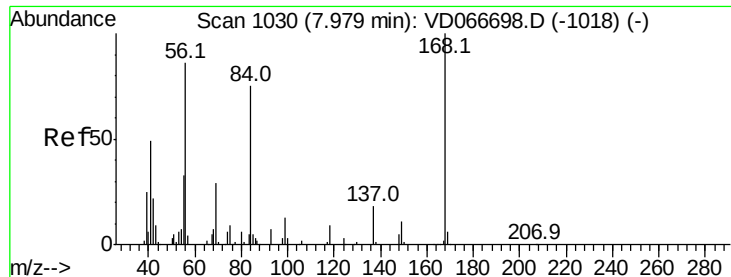
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	246987	51.200	ug/l	99
94) Hexachlorobutadiene	15.27	225	148112	50.961	ug/l	98
95) Naphthalene	15.41	128	428817	50.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	209691	49.766	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. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

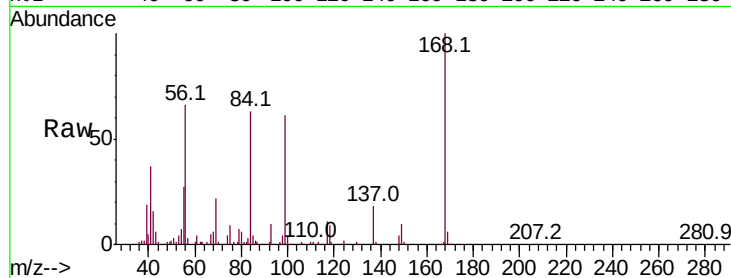
VSTDCCC050

Tot Ion:168 Resp: 427207

Ion Ratio Lower Upper

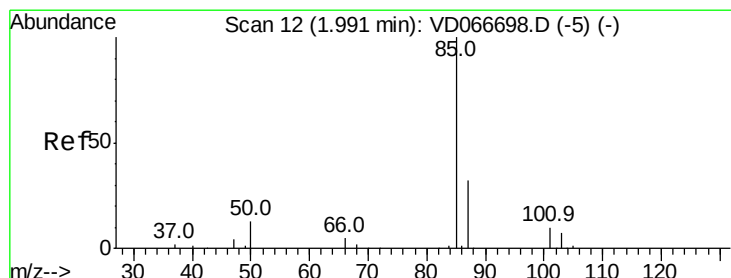
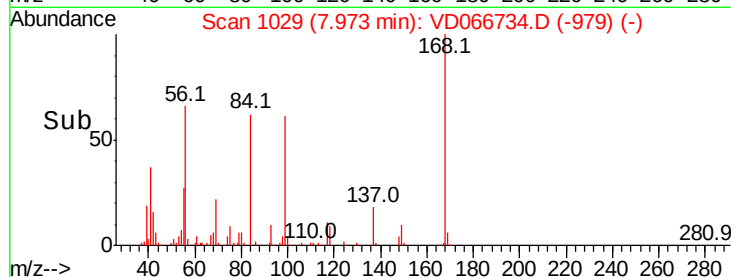
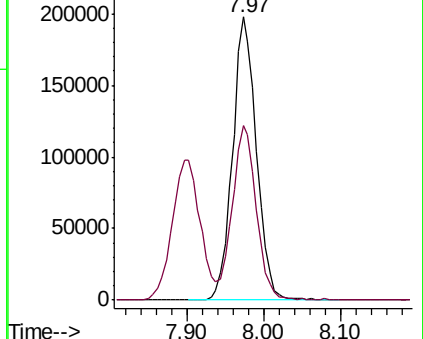
168 100

99 61.3 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.703 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066734.D

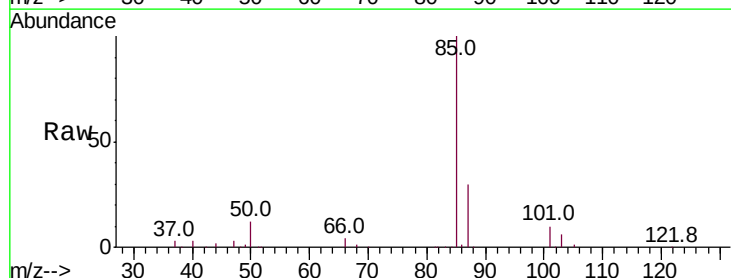
Acq: 17 Sep 2020 10:27

Tgt Ion: 85 Resp: 145871

Ion Ratio Lower Upper

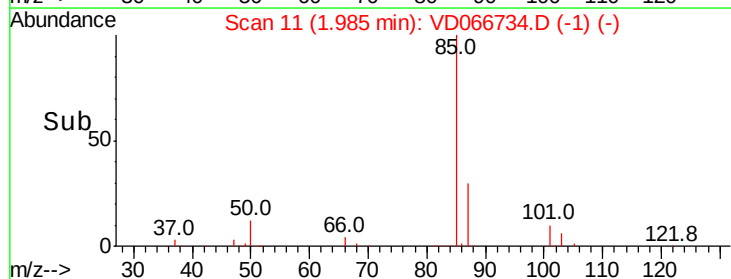
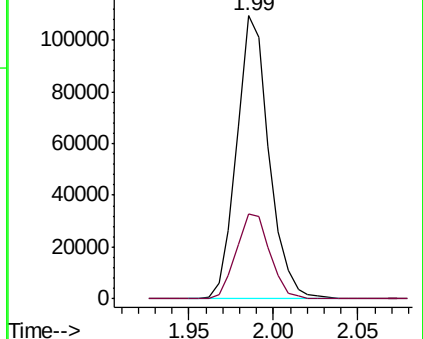
85 100

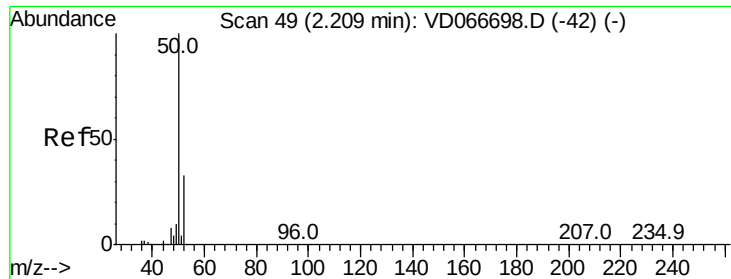
87 30.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.225 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

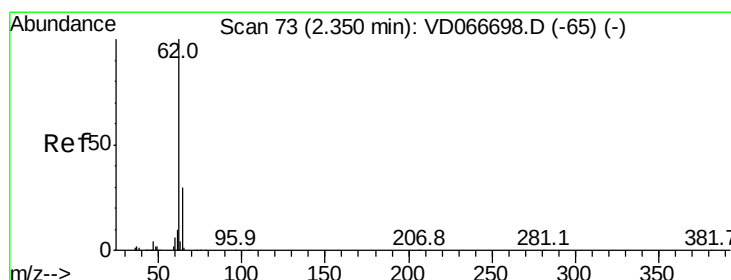
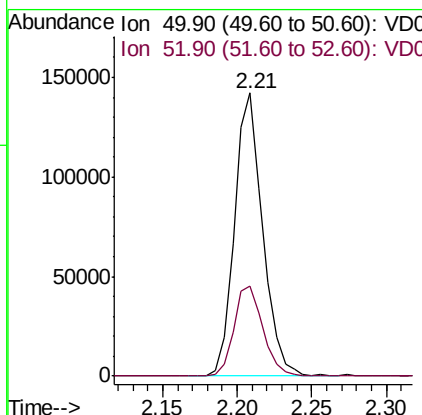
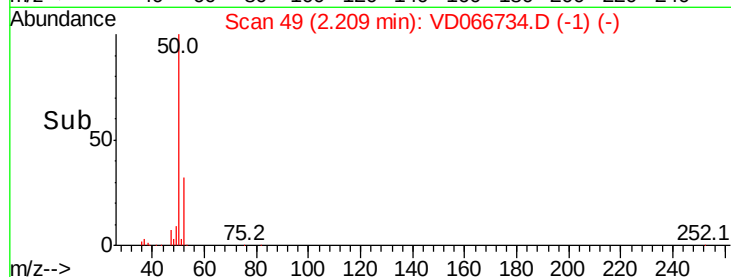
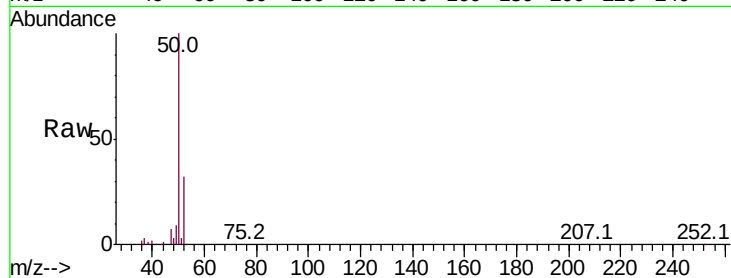
VSTDCCC050

Tot Ion: 50 Resp: 187000

Ion Ratio Lower Upper

50 100

52 31.6 26.8 40.2



#4

Vinyl Chloride

Concen: 41.216 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066734.D

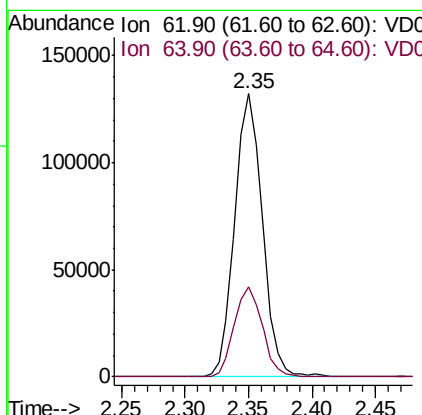
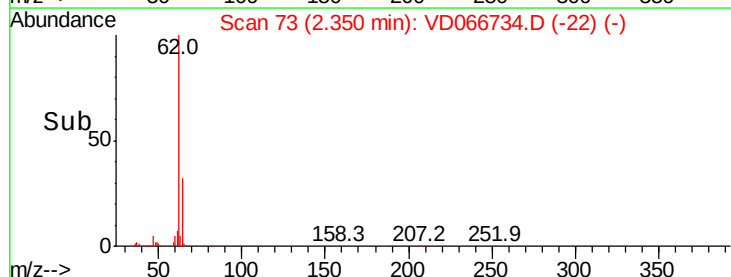
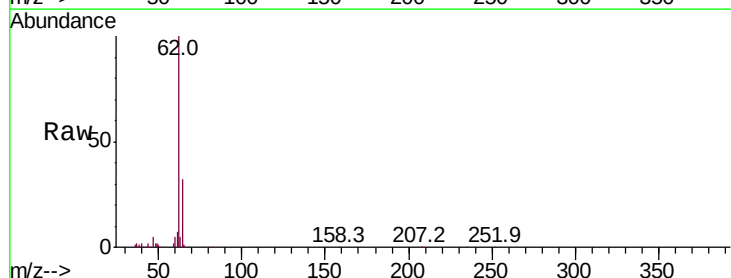
Acq: 17 Sep 2020 10:27

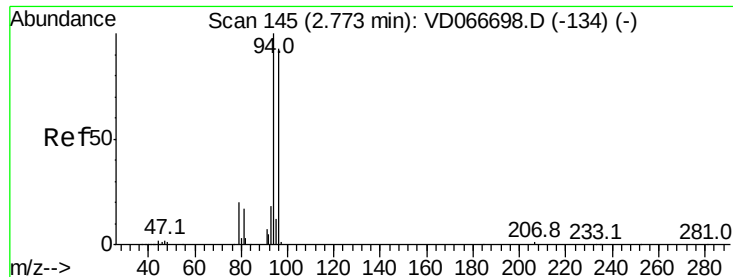
Tgt Ion: 62 Resp: 200531

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 41.421 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

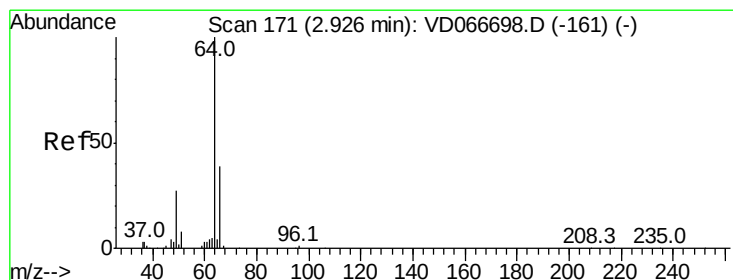
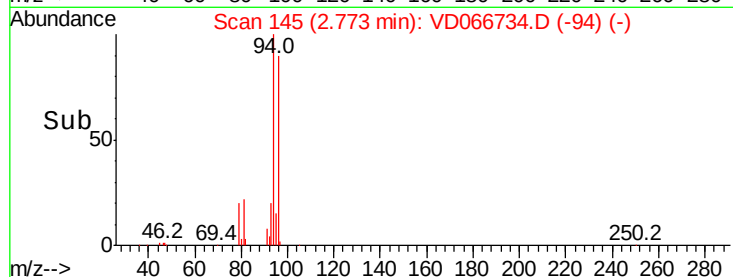
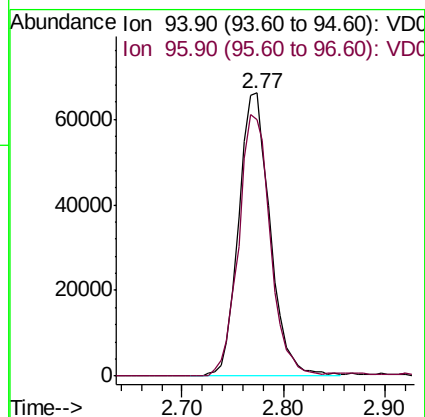
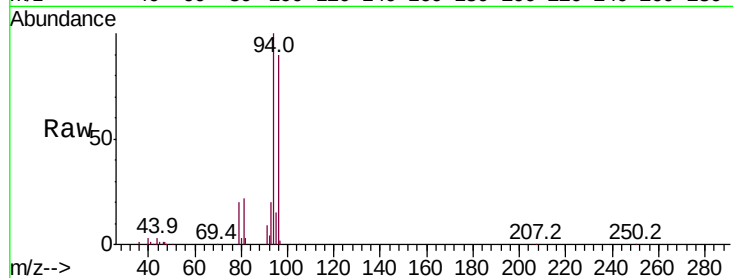
VSTDCCC050

Tot Ion: 94 Resp: 142962

Ion Ratio Lower Upper

94 100

96 90.5 74.7 112.1



#6

Chloroethane

Concen: 40.570 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066734.D

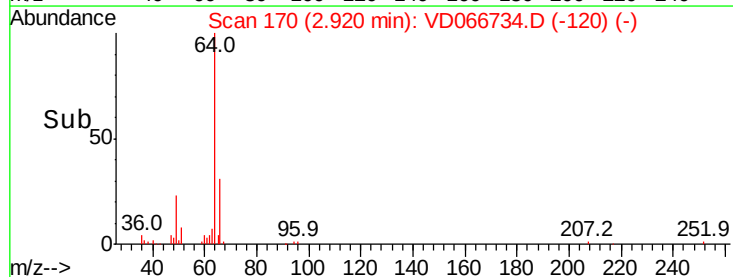
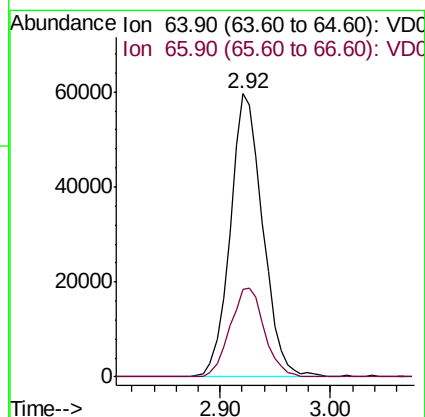
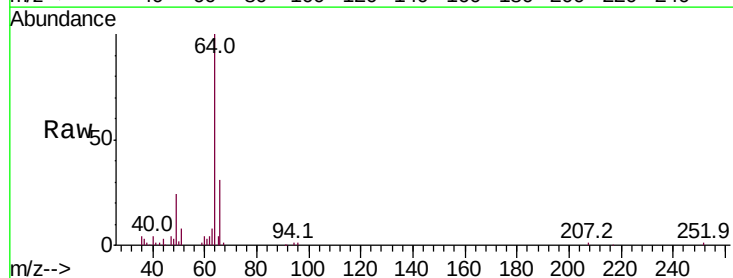
Acq: 17 Sep 2020 10:27

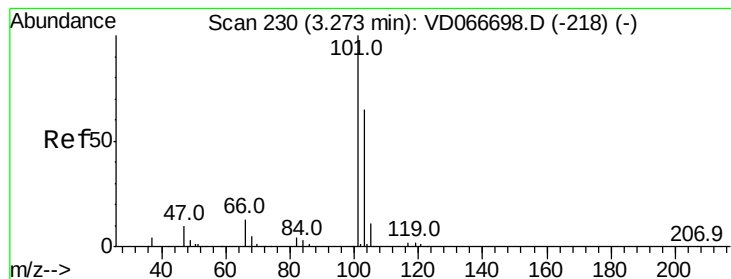
Tgt Ion: 64 Resp: 122968

Ion Ratio Lower Upper

64 100

66 30.7 30.9 46.3#



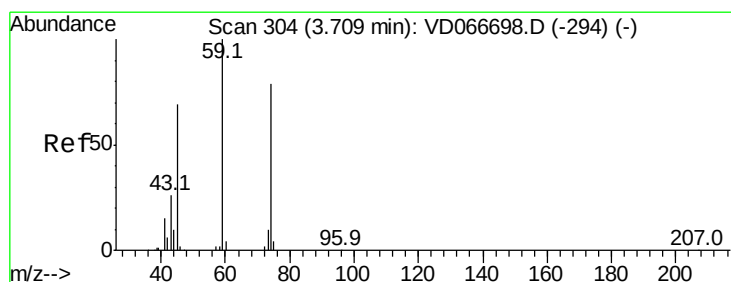
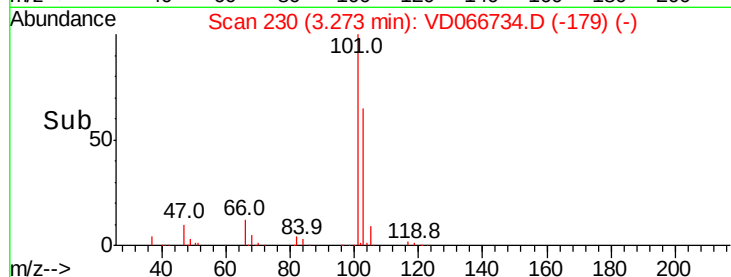
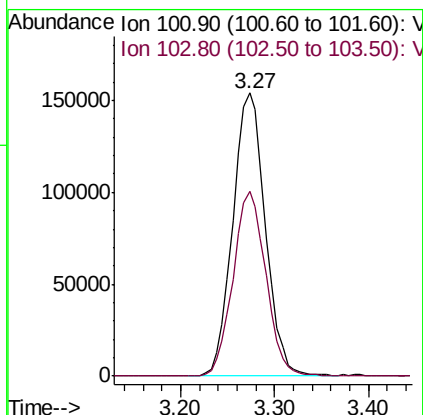
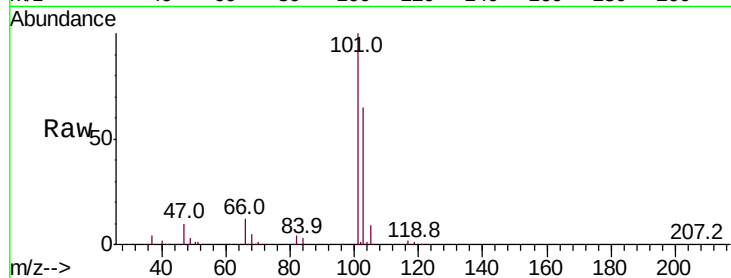


#7

Trichlorofluoromethane
 Concen: 44.104 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

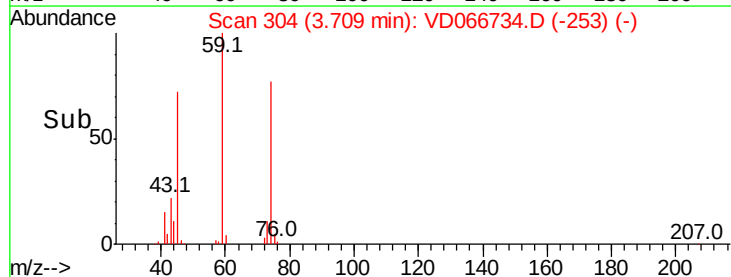
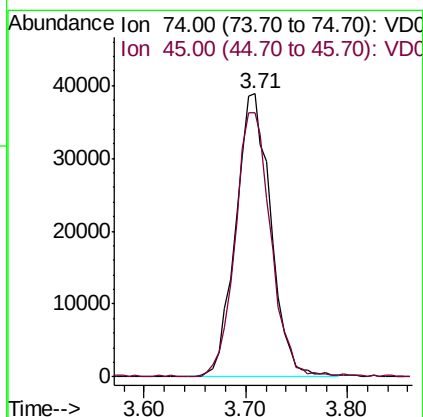
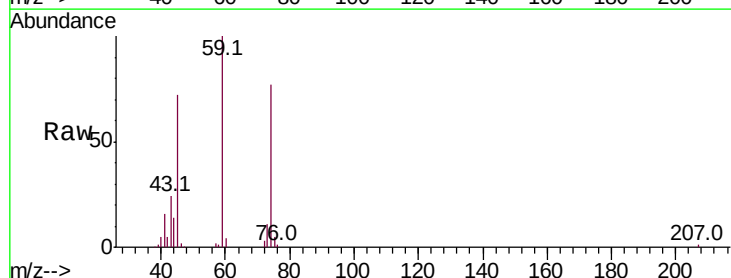
Tot Ion:101 Resp: 370639
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.8

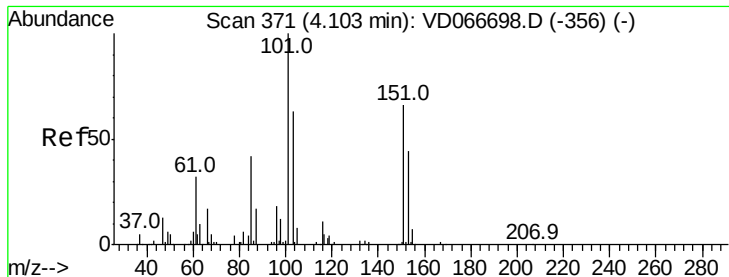


#8

Diethyl Ether
 Concen: 44.264 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 74 Resp: 93148
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.646 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

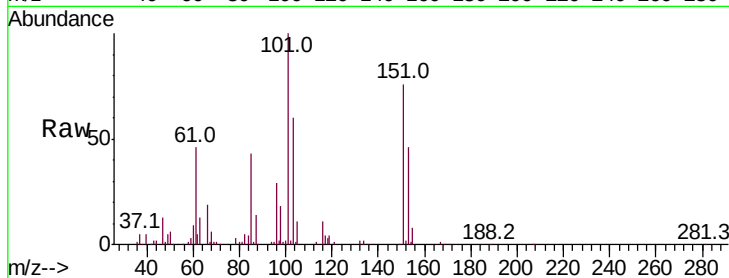
Tot Ion:101 Resp: 210813

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

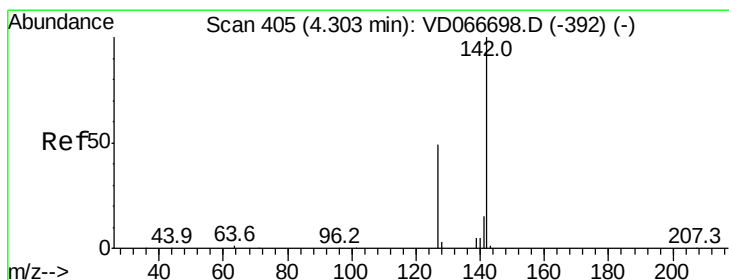
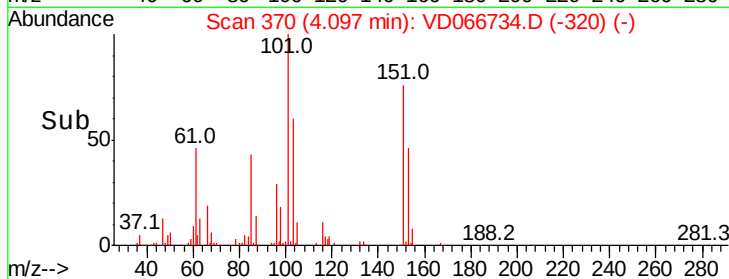
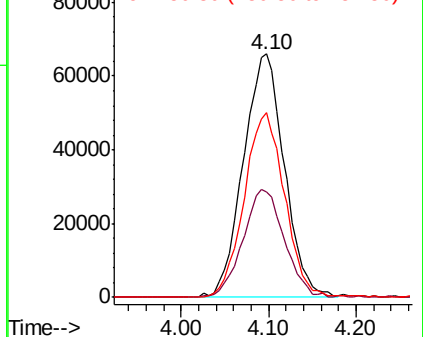
151 75.0 58.0 87.0



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: 44.533 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

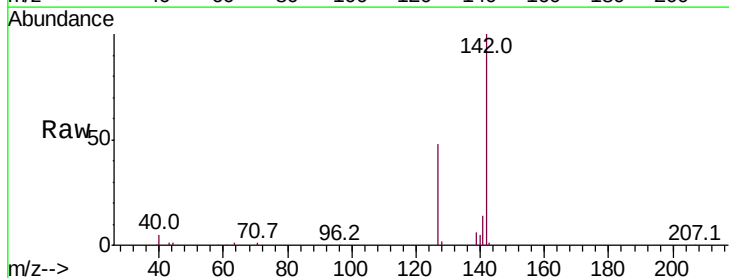
Tgt Ion:142 Resp: 195143

Ion Ratio Lower Upper

142 100

127 48.7 39.0 58.4

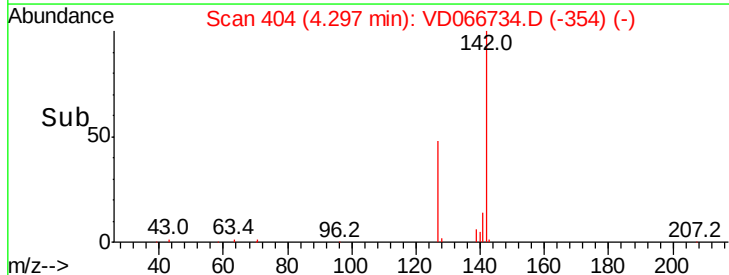
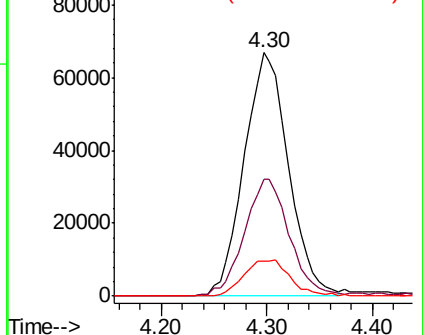
141 15.5 11.7 17.5

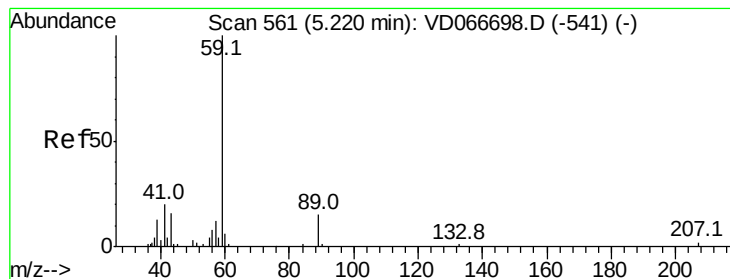


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



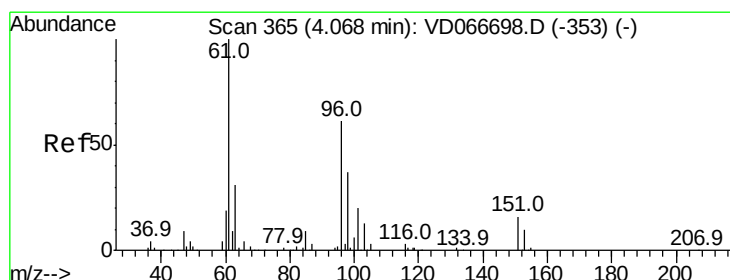
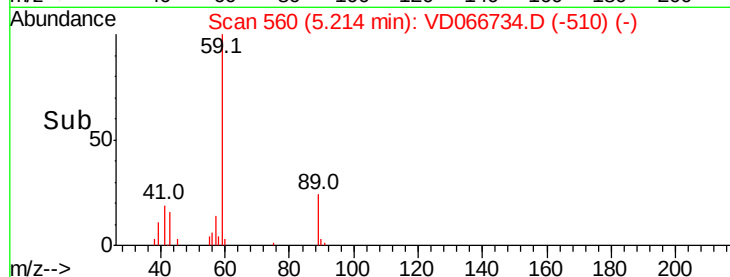
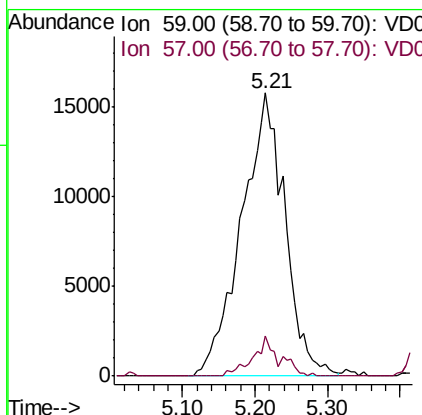
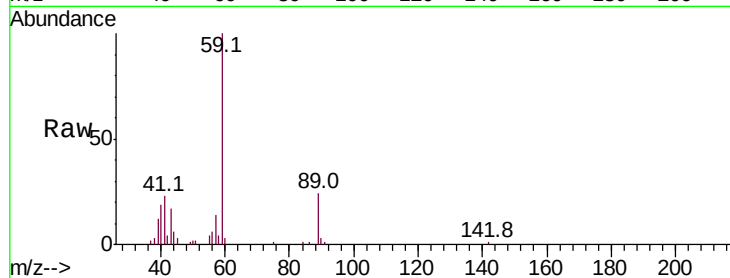


#11

Tert butyl alcohol
 Concen: 211.695 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

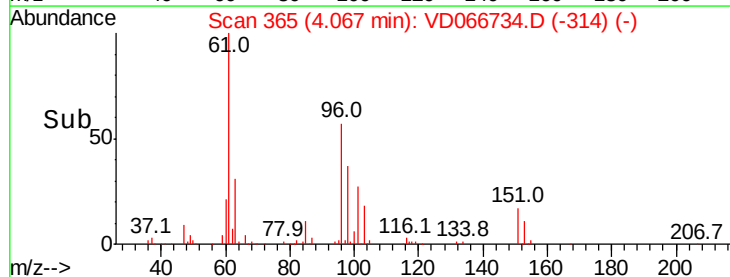
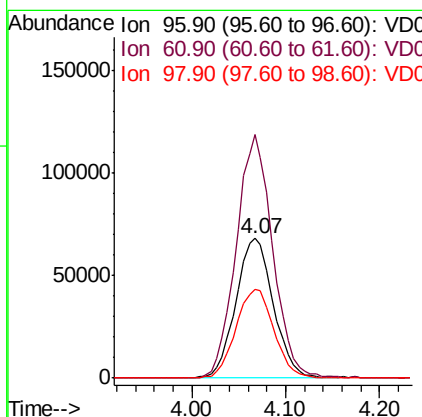
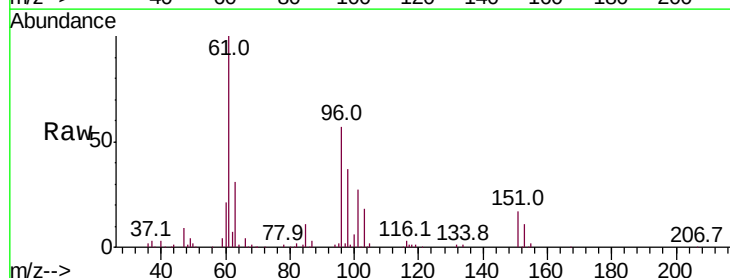
Tot Ion: 59 Resp: 65761
 Ion Ratio Lower Upper
 59 100
 57 6.5 6.7 10.1#

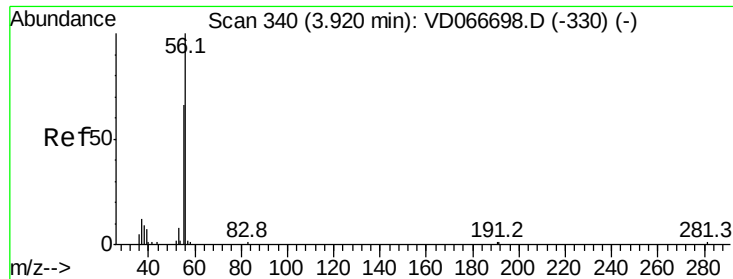


#12

1,1-Dichloroethene
 Concen: 44.174 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 96 Resp: 188831
 Ion Ratio Lower Upper
 96 100
 61 174.0 131.9 197.9
 98 63.7 49.1 73.7





#13

Acrolein

Concen: 236.847 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

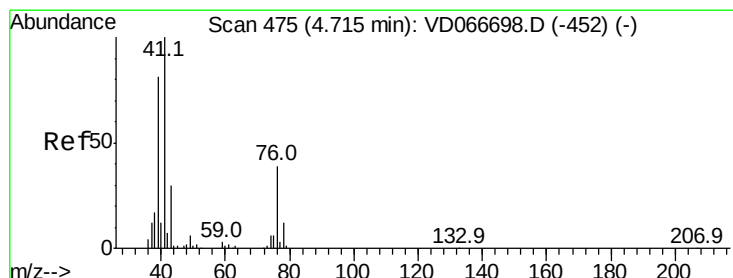
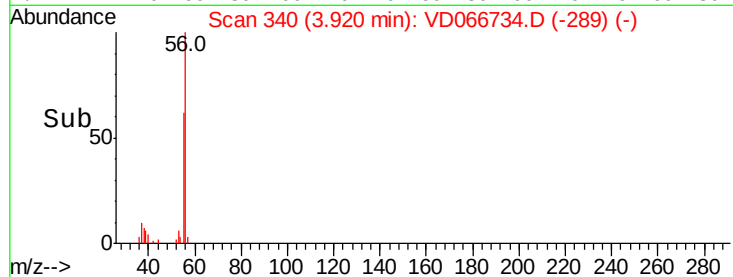
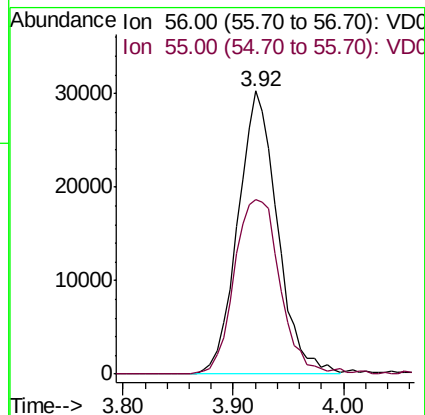
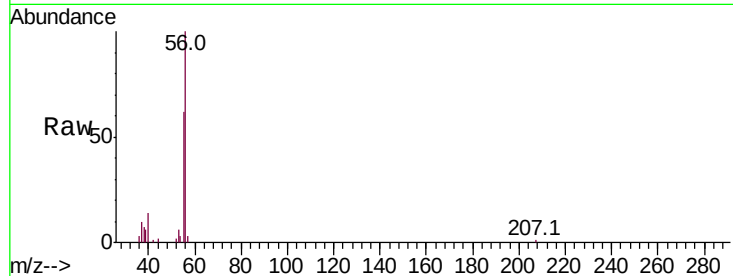
VSTDCCC050

Tot Ion: 56 Resp: 76139

Ion Ratio Lower Upper

56 100

55 70.6 54.7 82.1



#14

Allyl chloride

Concen: 43.714 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

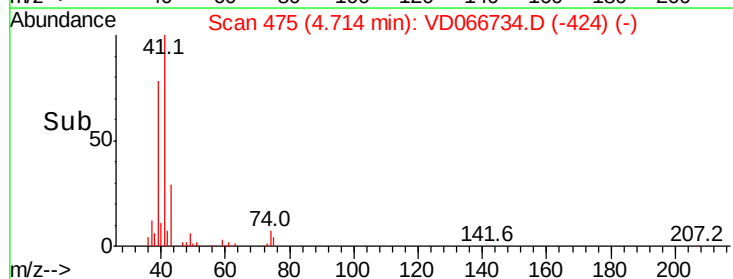
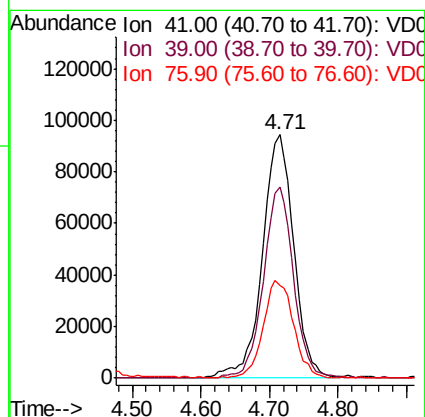
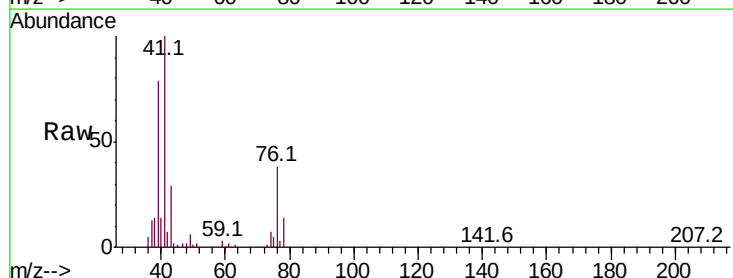
Tgt Ion: 41 Resp: 300095

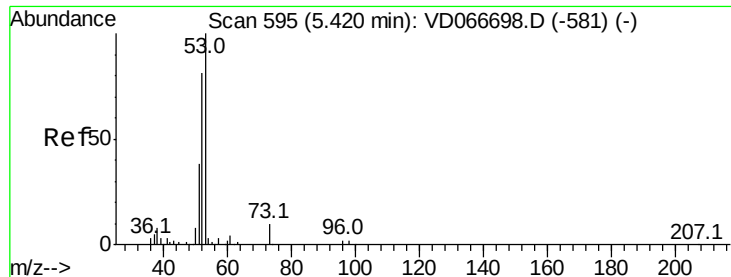
Ion Ratio Lower Upper

41 100

39 75.3 60.6 90.8

76 39.0 29.2 43.8





#15

Acrylonitrile

Concen: 225.365 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

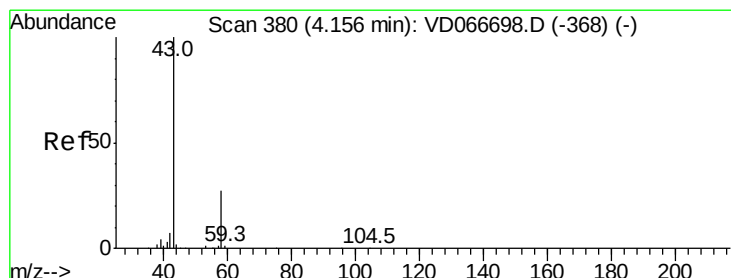
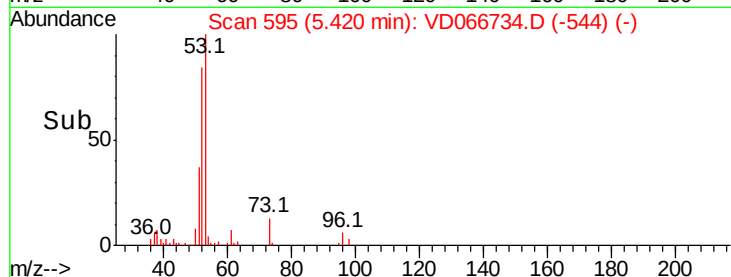
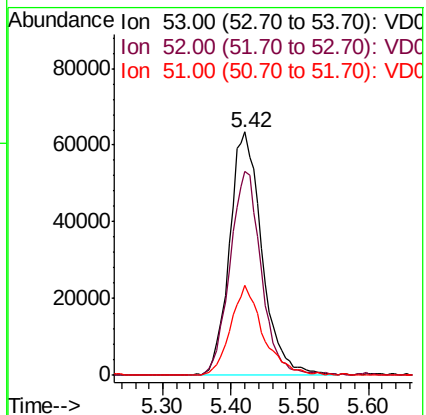
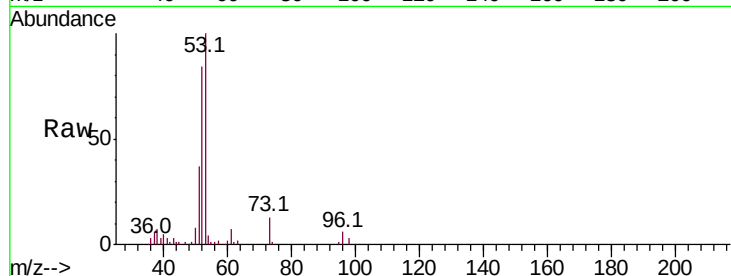
Tot Ion: 53 Resp: 207752

Ion Ratio Lower Upper

53 100

52 81.4 66.6 99.8

51 36.9 31.0 46.6



#16

Acetone

Concen: 289.564 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066734.D

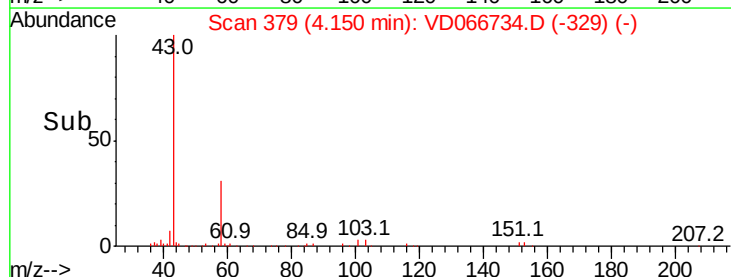
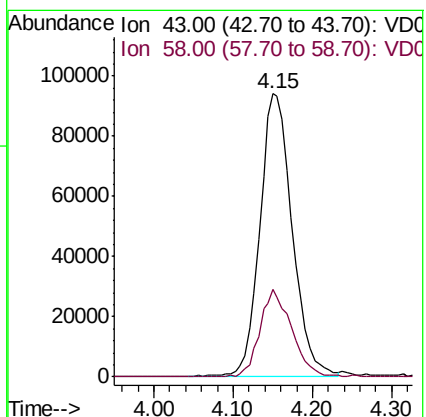
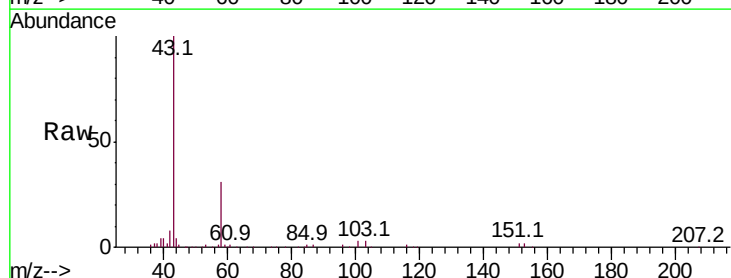
Acq: 17 Sep 2020 10:27

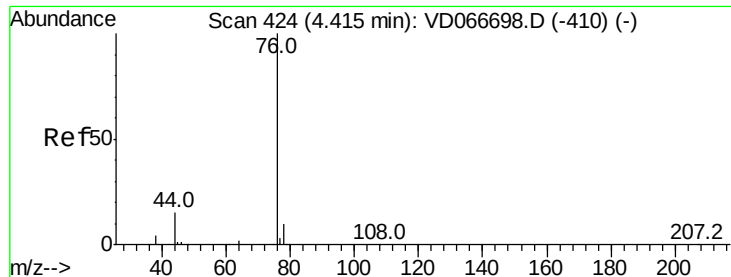
Tgt Ion: 43 Resp: 268772

Ion Ratio Lower Upper

43 100

58 31.1 21.9 32.9

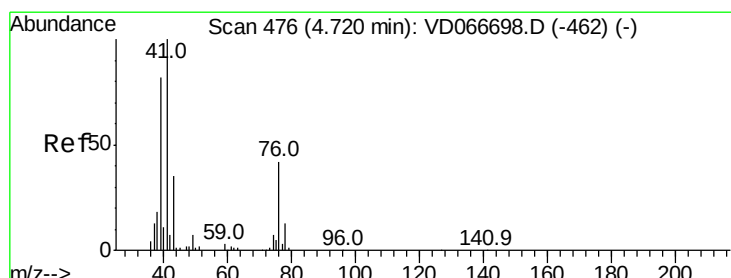
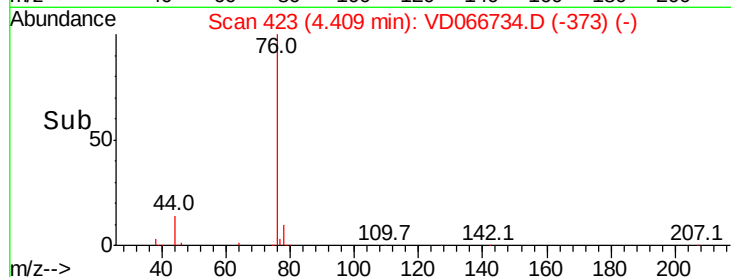
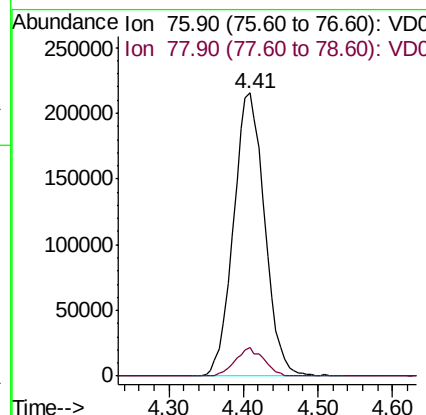
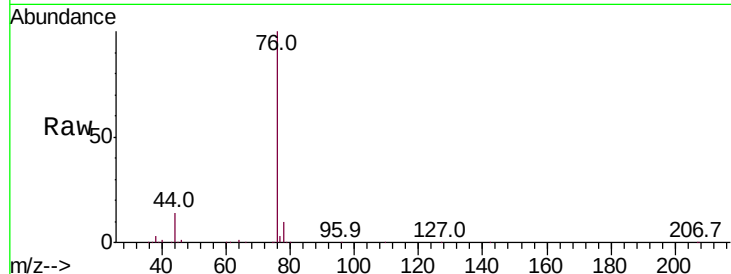




#17
Carbon Disulfide
Concen: 46.442 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

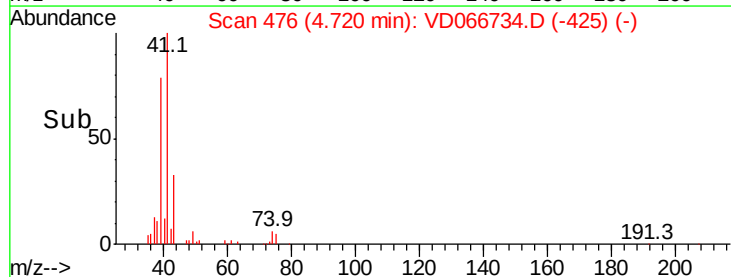
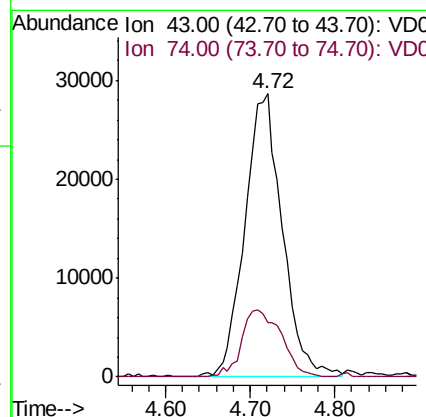
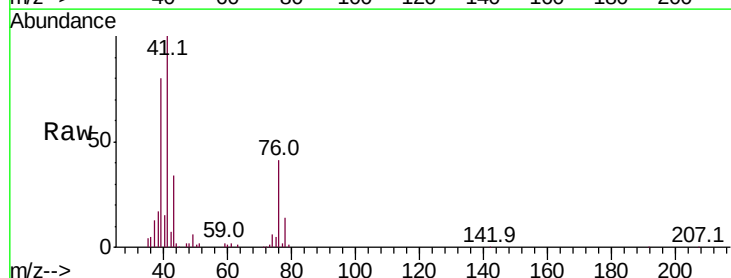
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

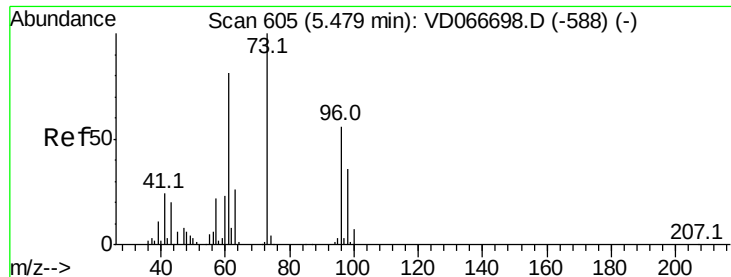
Tot Ion: 76 Resp: 623828
Ion Ratio Lower Upper
76 100
78 10.0 8.0 12.0



#18
Methyl Acetate
Concen: 44.347 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 43 Resp: 88666
Ion Ratio Lower Upper
43 100
74 24.9 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 45.079 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

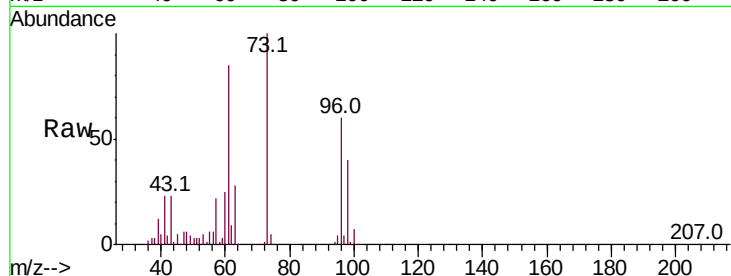
VSTDCCC050

Tot Ion: 73 Resp: 429212

Ion Ratio Lower Upper

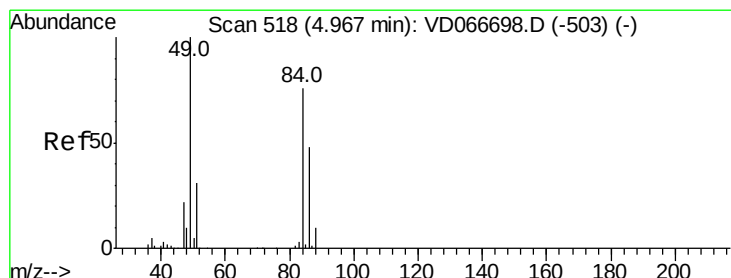
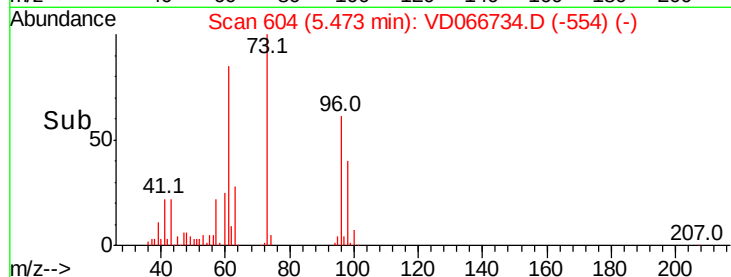
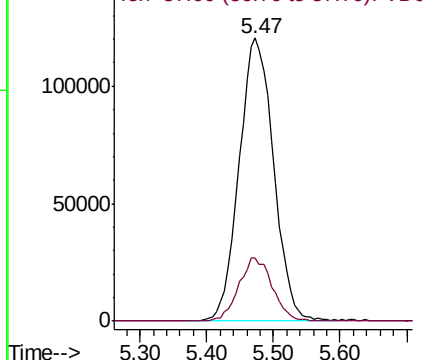
73 100

57 22.3 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 47.147 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Tgt Ion: 84 Resp: 237335

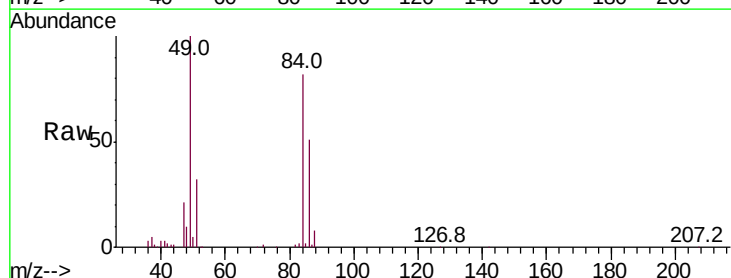
Ion Ratio Lower Upper

84 100

49 122.5 105.0 157.6

51 39.8 32.2 48.4

86 62.8 50.4 75.6

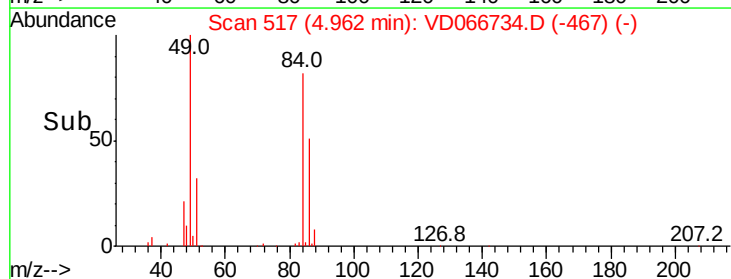
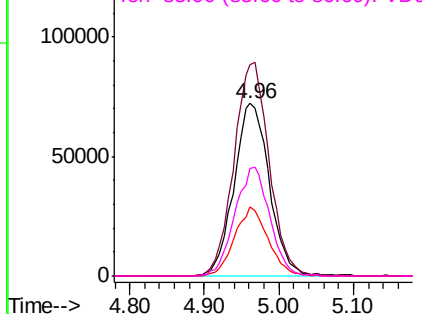


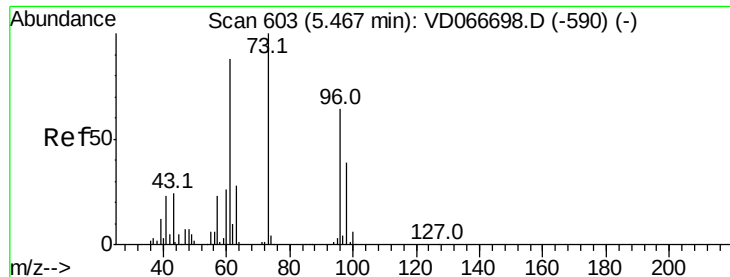
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 46.306 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

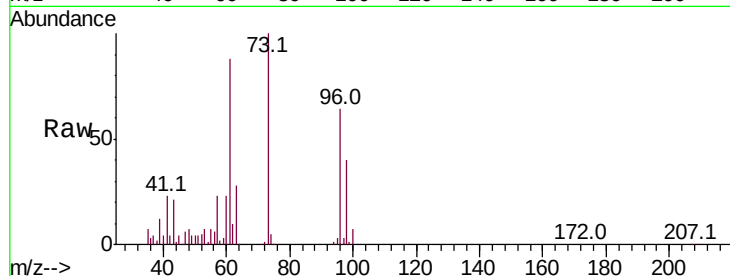
Tot Ion: 96 Resp: 230614

Ion Ratio Lower Upper

96 100

61 137.7 110.6 166.0

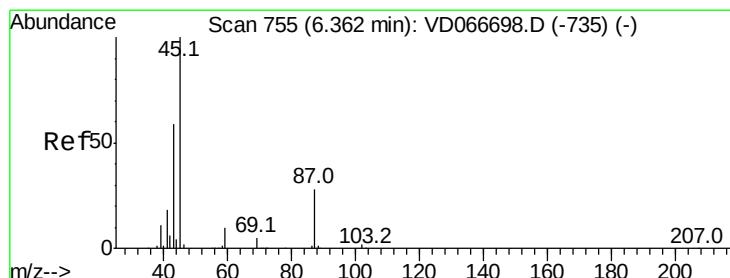
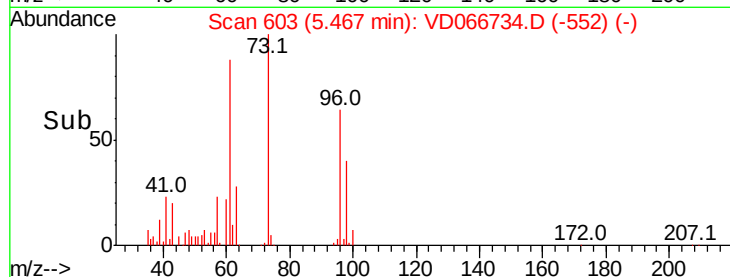
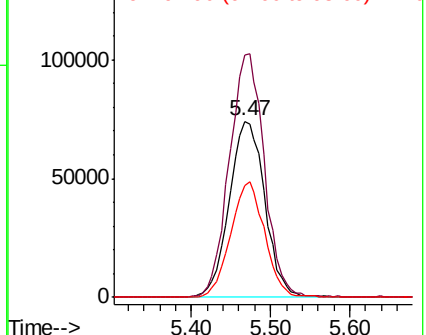
98 63.2 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 45.325 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Tgt Ion: 45 Resp: 632241

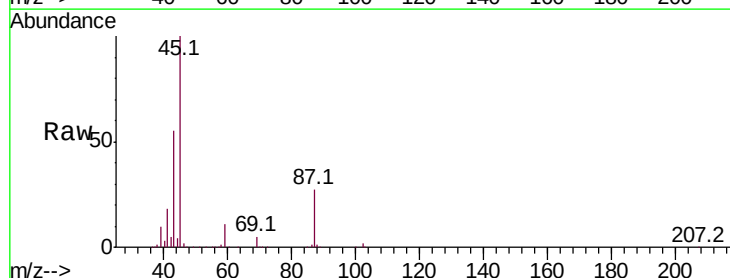
Ion Ratio Lower Upper

45 100

43 54.0 46.9 70.3

87 26.8 22.4 33.6

59 11.4 8.5 12.7

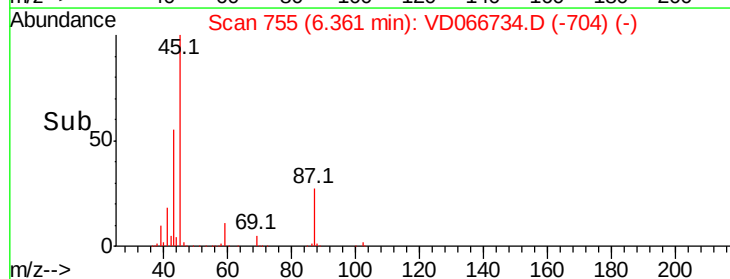
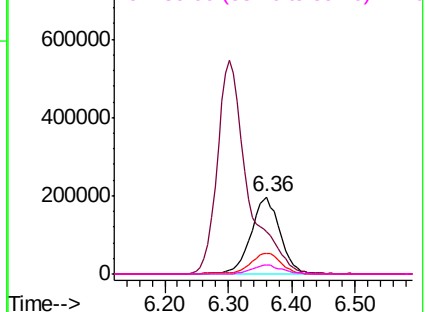


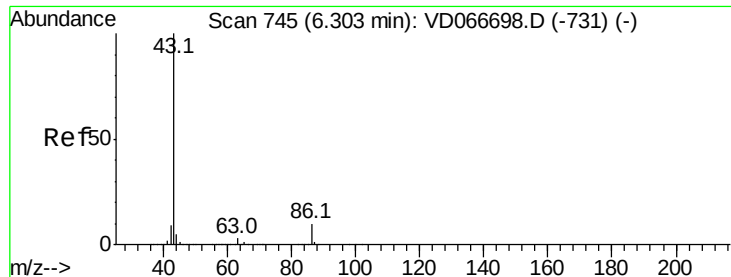
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 233.627 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

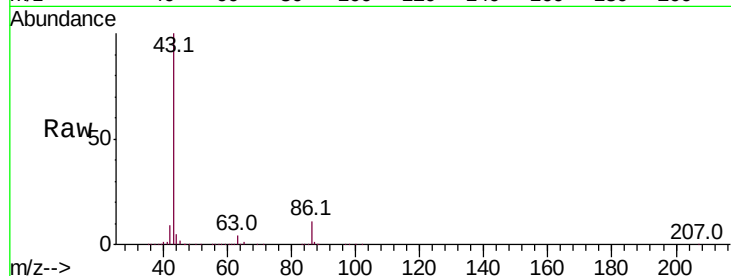
VSTDCCC050

Tot Ion: 43 Resp: 1812739

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

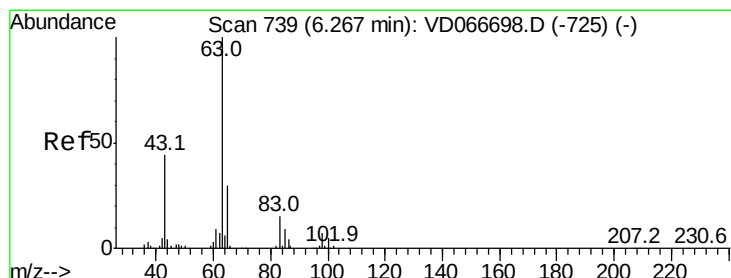
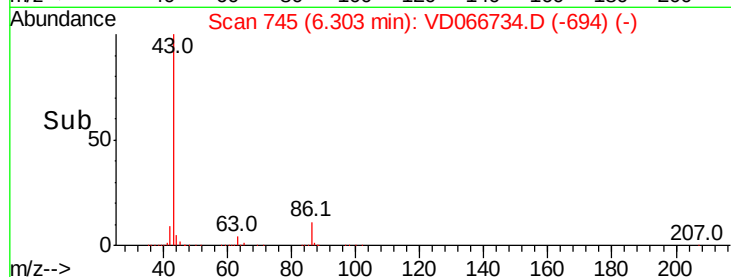
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 43.944 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

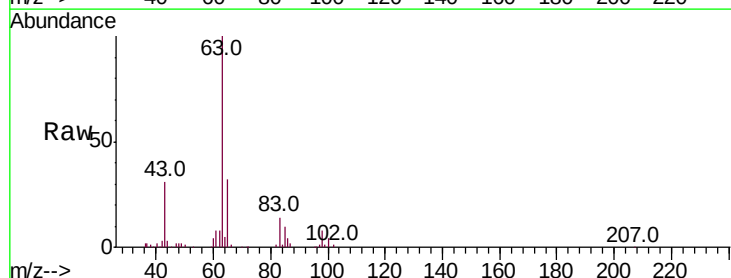
Tgt Ion: 63 Resp: 388978

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.2

100 4.5 2.6 8.0



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

150000

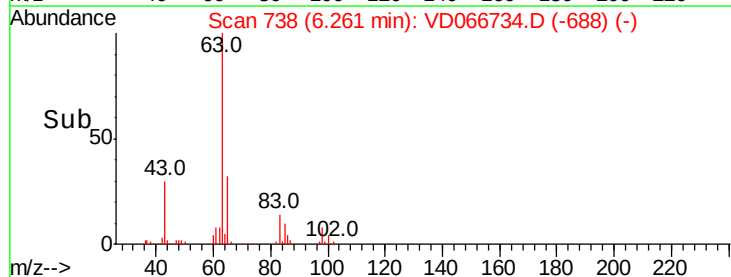
100000

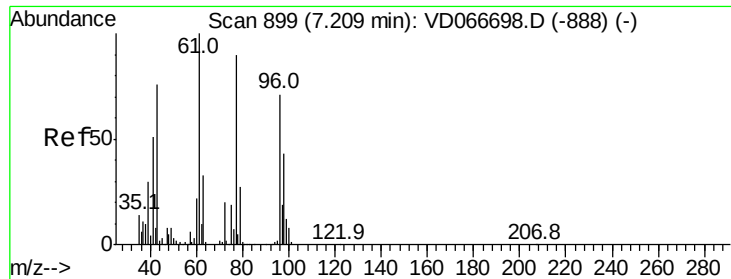
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 239.780 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

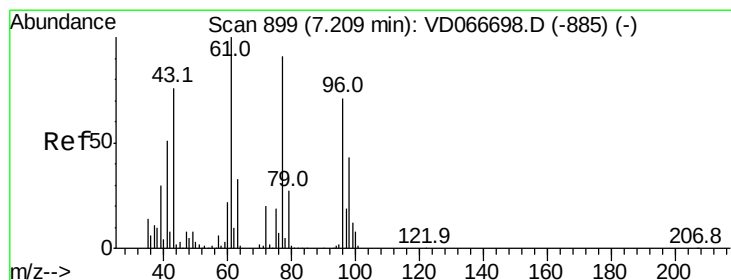
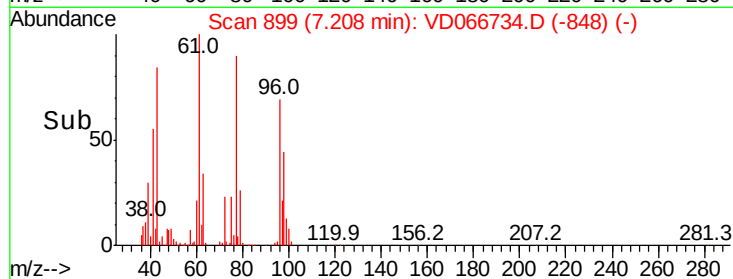
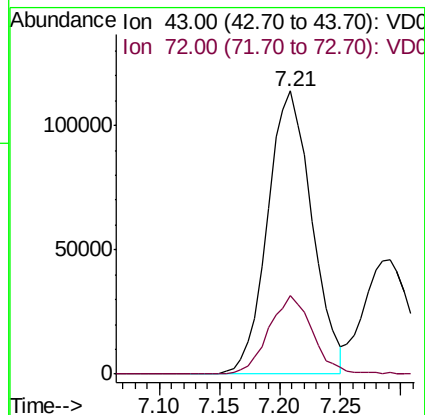
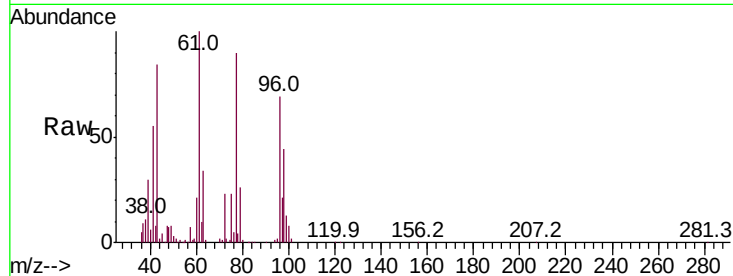
VSTDCCC050

Tot Ion: 43 Resp: 289809

Ion Ratio Lower Upper

43 100

72 27.8 21.0 31.4



#26

2,2-Dichloropropane

Concen: 45.154 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066734.D

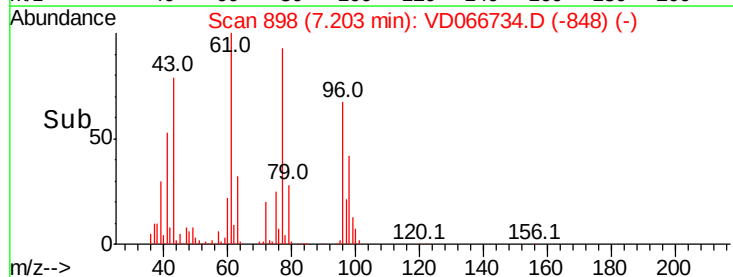
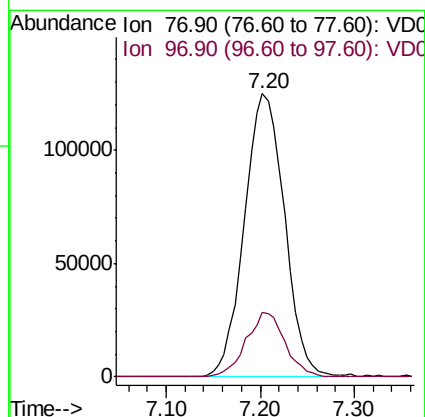
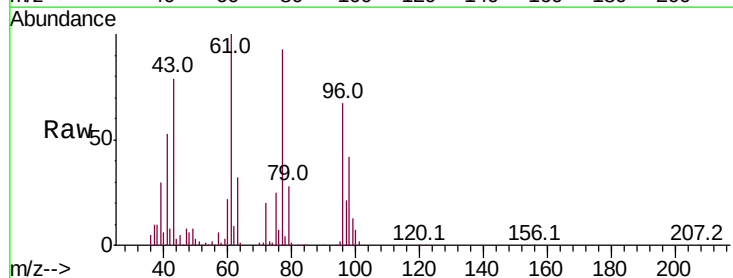
Acq: 17 Sep 2020 10:27

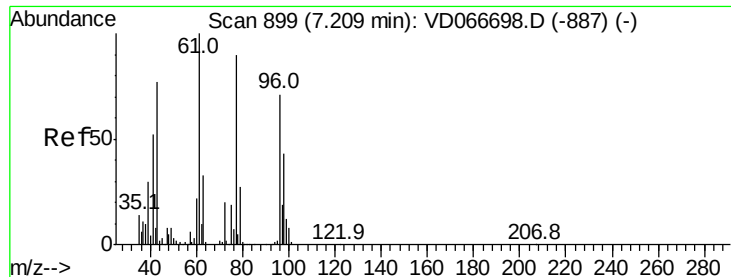
Tgt Ion: 77 Resp: 369594

Ion Ratio Lower Upper

77 100

97 21.9 10.6 31.8



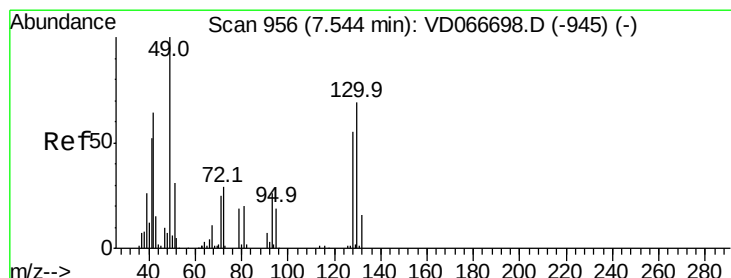
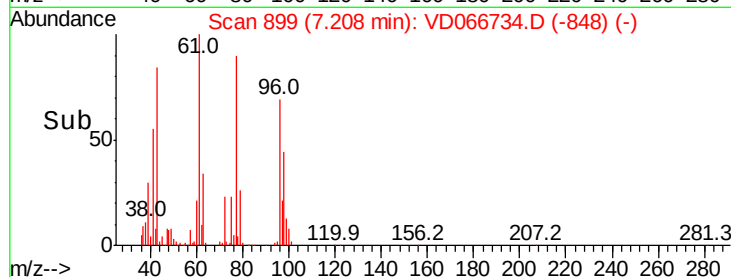
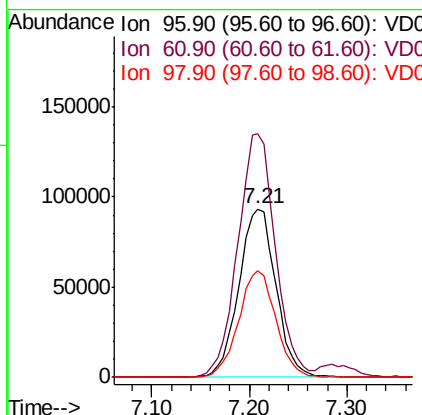
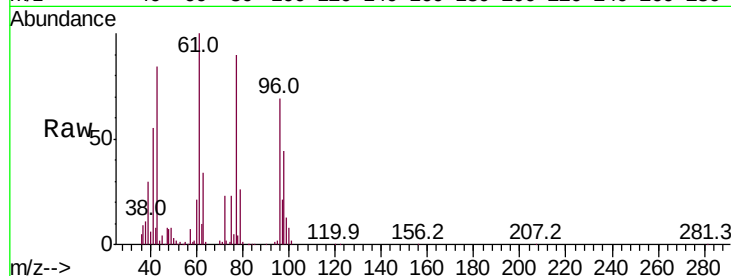


#27

cis-1,2-Dichloroethene
 Concen: 45.705 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

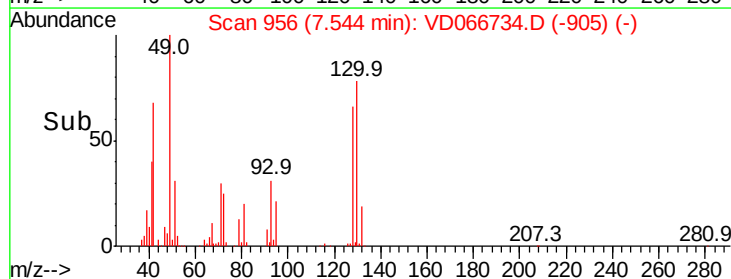
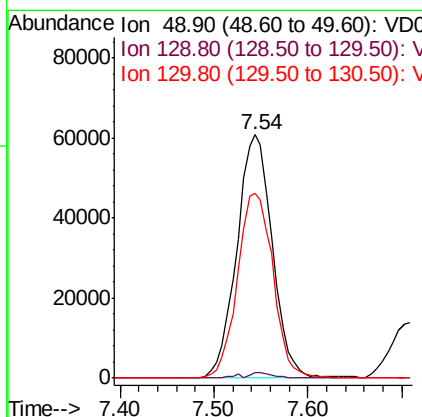
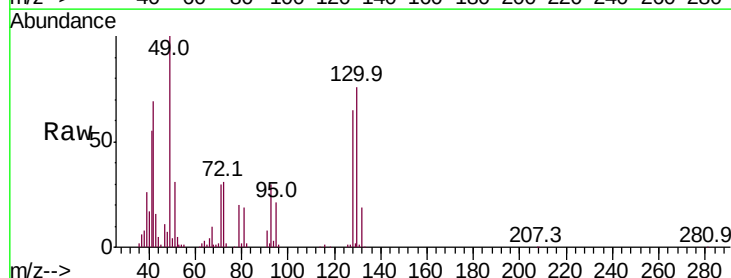
Tot Ion: 96 Resp: 249021
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 292.4
 98 63.6 0.0 127.0

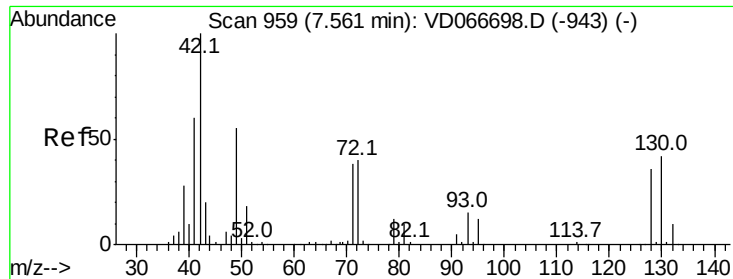


#28

Bromochloromethane
 Concen: 47.980 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 49 Resp: 158632
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.8
 130 76.4 58.6 88.0





#29

Tetrahydrofuran

Concen: 223.028 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

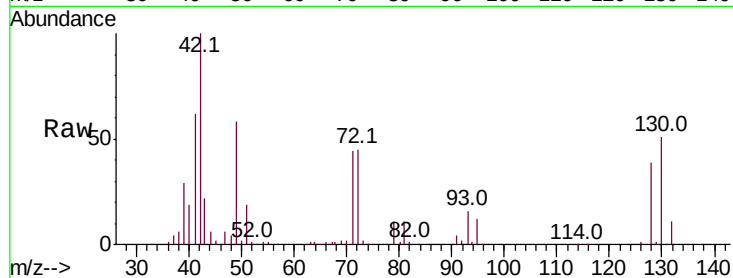
Tot Ion: 42 Resp: 164927

Ion Ratio Lower Upper

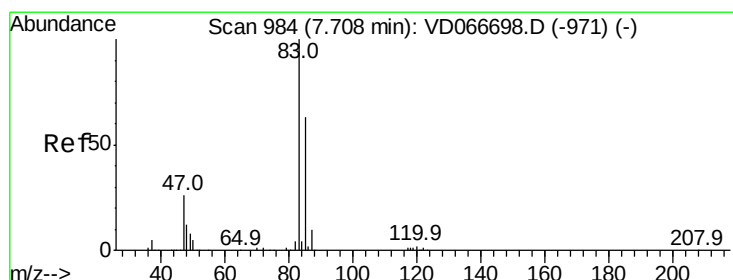
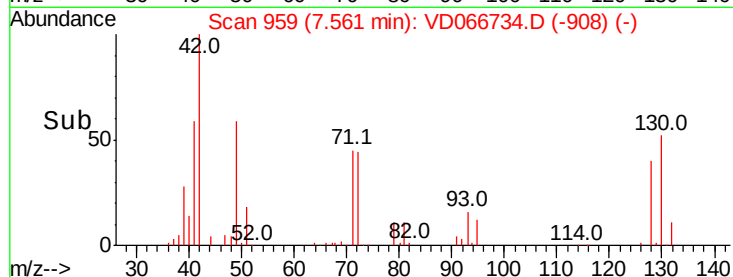
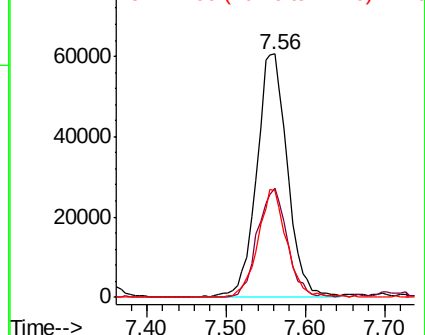
42 100

72 43.5 32.6 48.8

71 41.7 30.6 45.8



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: 44.509 ug/l

RT: 7.70 min Scan# 983

Delta R.T. -0.01 min

Lab File: VD066734.D

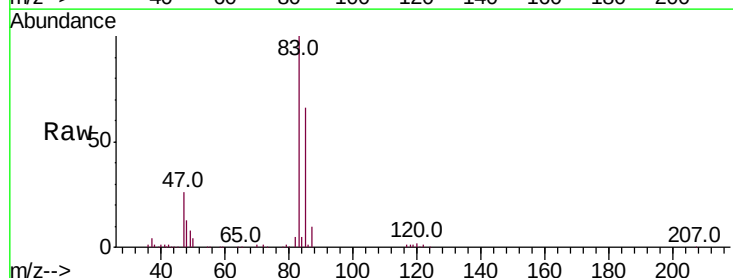
Acq: 17 Sep 2020 10:27

Tgt Ion: 83 Resp: 419301

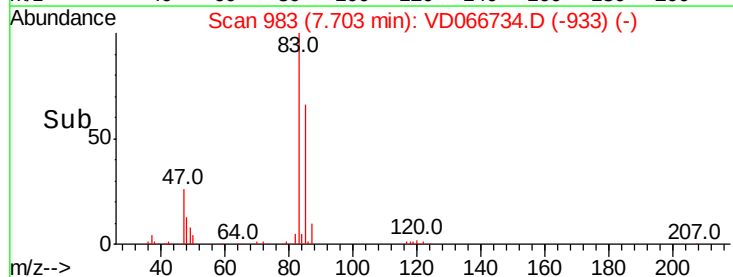
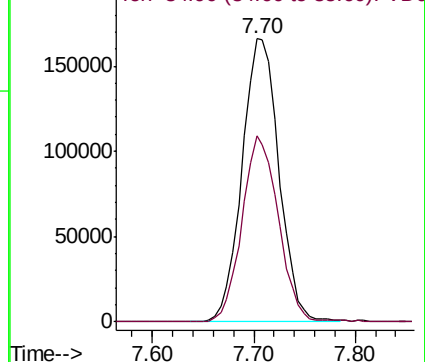
Ion Ratio Lower Upper

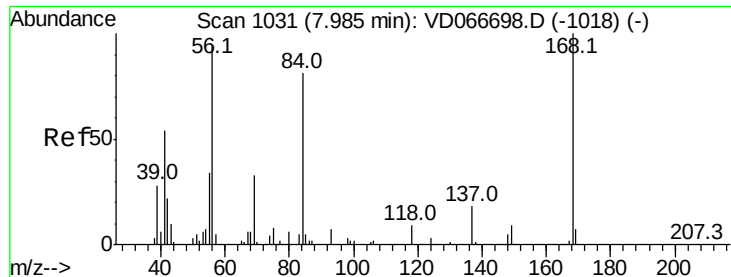
83 100

85 65.7 50.6 76.0



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





#31

Cyclohexane

Concen: 45.049 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

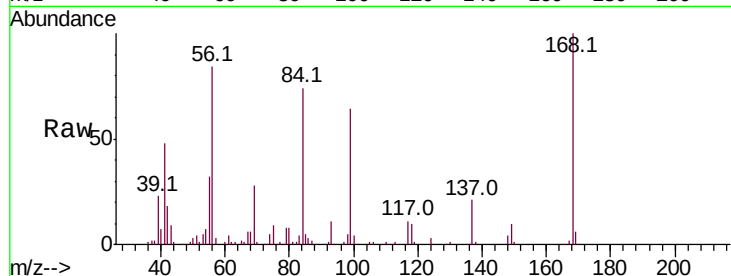
Tot Ion: 56 Resp: 362707

Ion Ratio Lower Upper

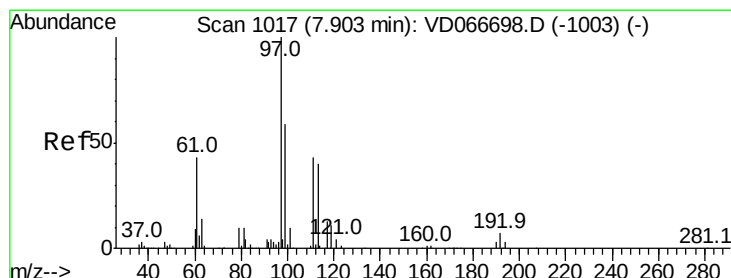
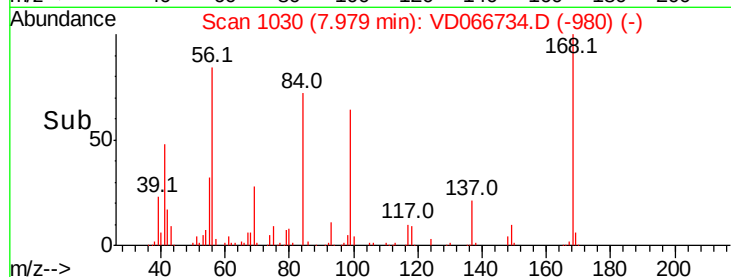
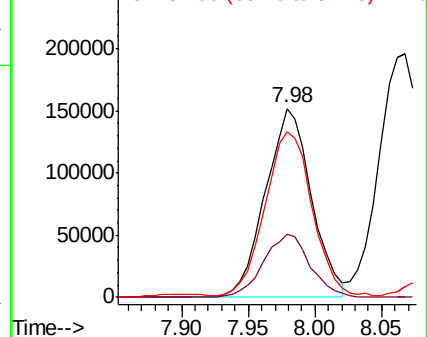
56 100

69 33.5 27.7 41.5

84 86.2 68.5 102.7



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



#32

1,1,1-Trichloroethane

Concen: 45.581 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

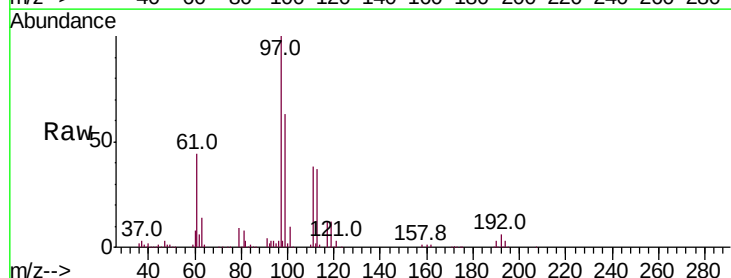
Tgt Ion: 97 Resp: 392933

Ion Ratio Lower Upper

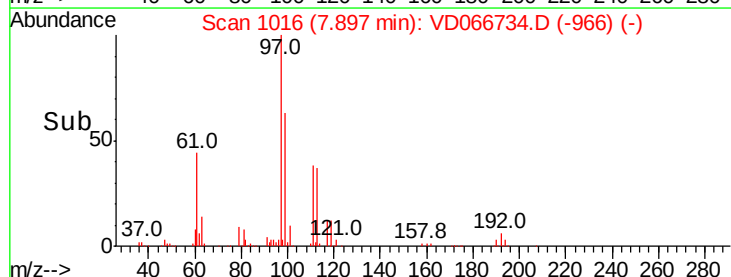
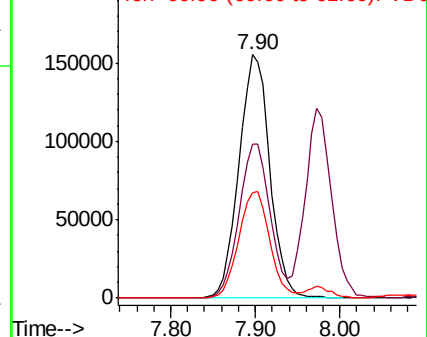
97 100

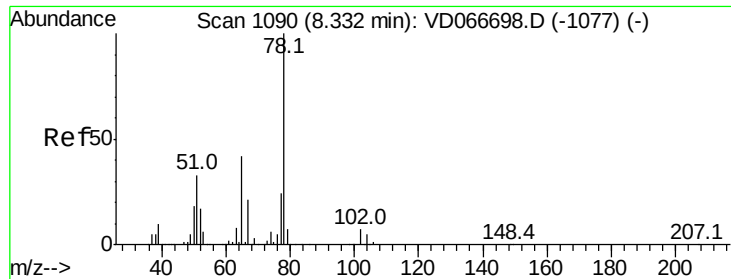
99 63.7 51.0 76.4

61 43.8 35.2 52.8



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

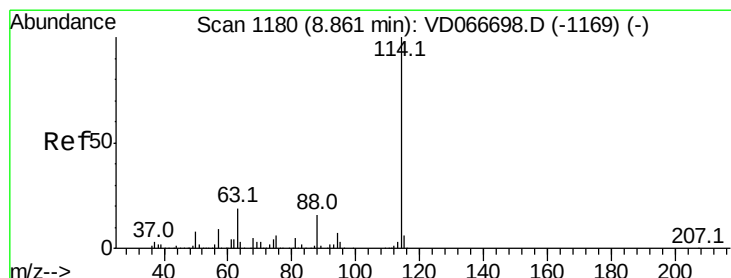
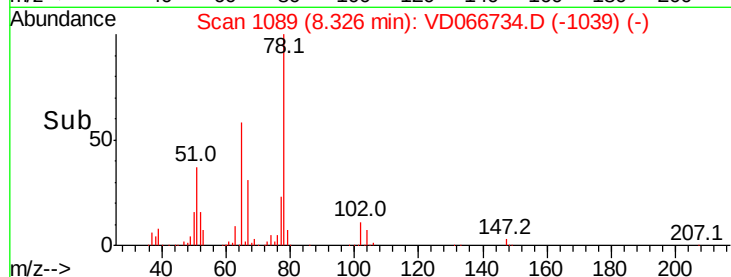
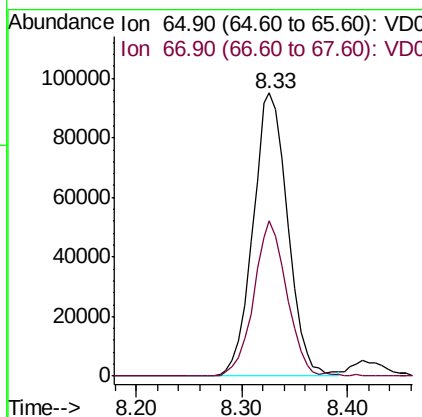
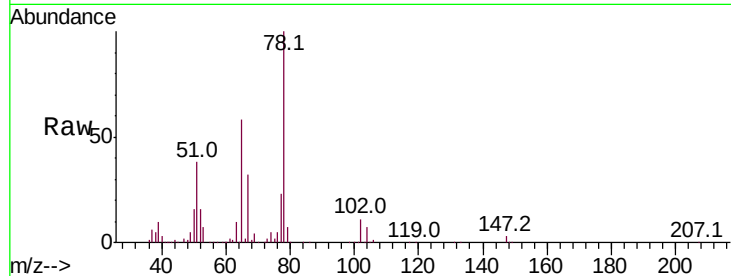




#33
 1,2-Dichloroethane-d4
 Concen: 47.747 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

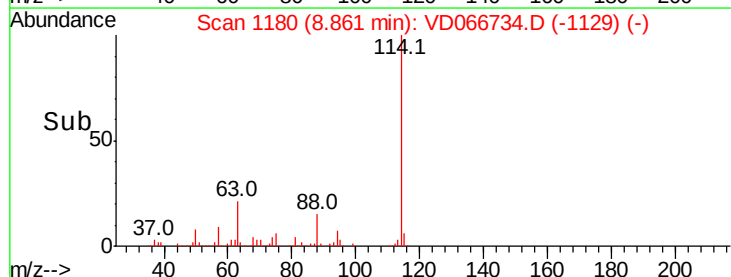
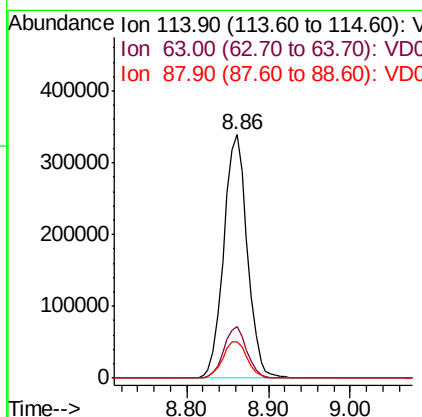
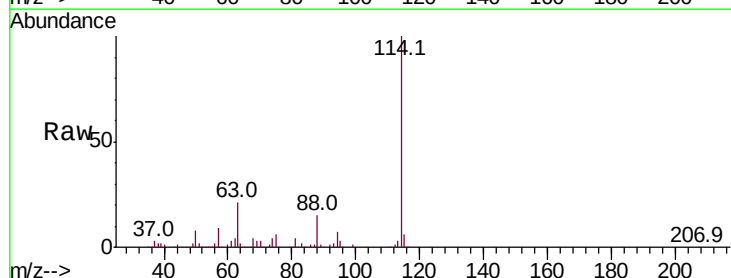
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

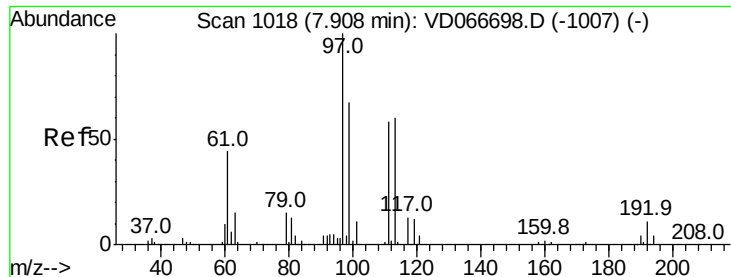
Tot Ion: 65 Resp: 217632
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 114 Resp: 681664
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 37.6
 88 14.7 0.0 32.2

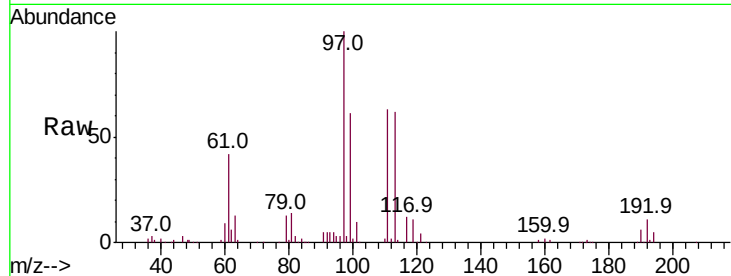




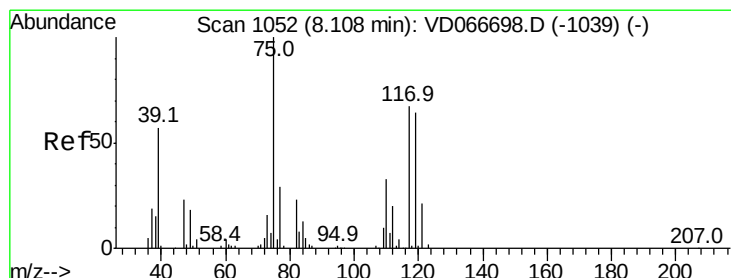
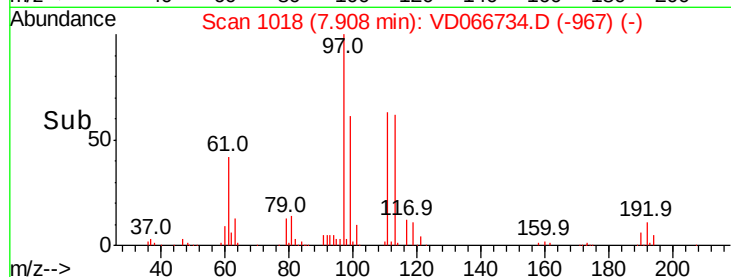
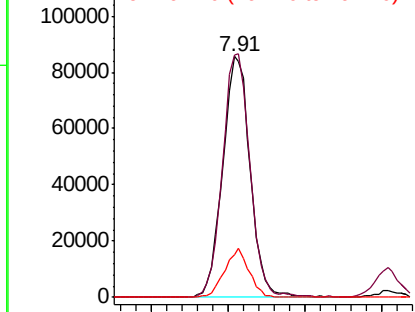
#35
 Dibromofluoromethane
 Concen: 50.763 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.2	124.8
192	17.9	14.8	22.2

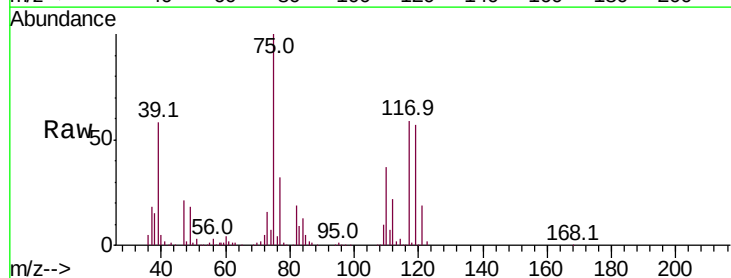


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

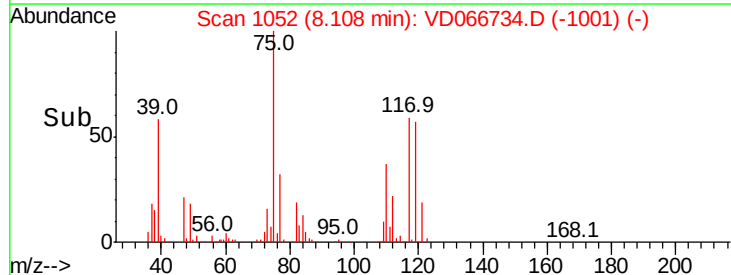
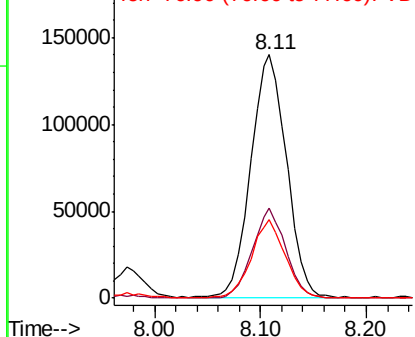


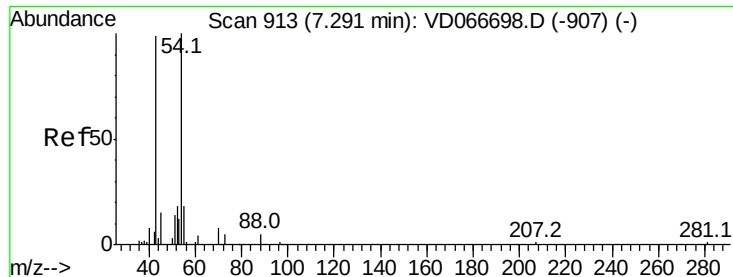
#36
 1,1-Dichloropropene
 Concen: 46.712 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.1	51.2
77	30.9	25.0	37.6



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

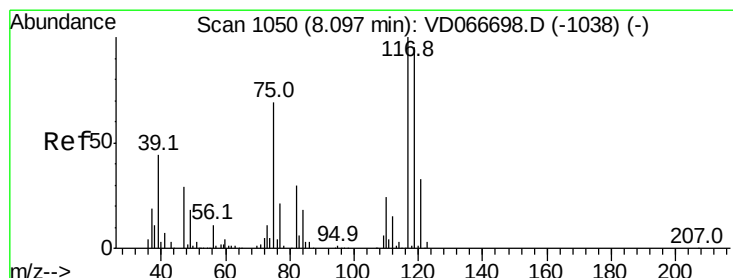
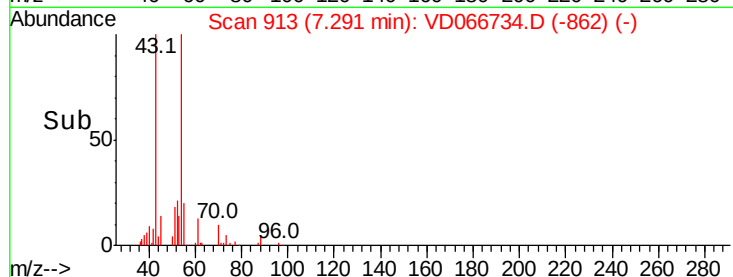
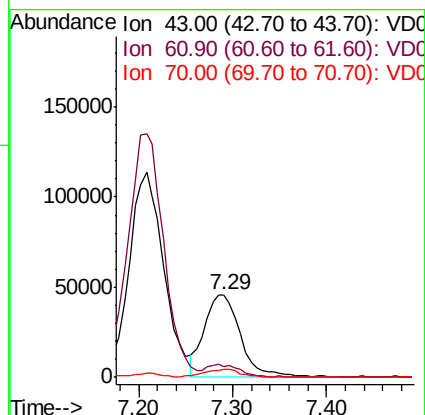
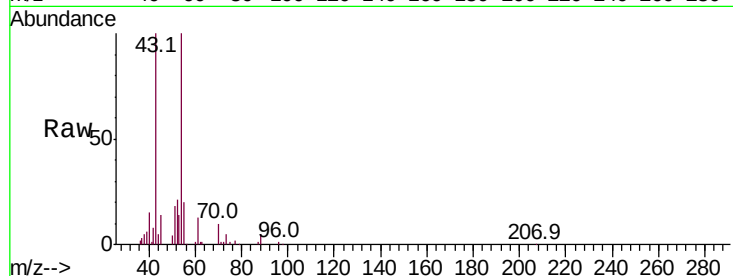




#37
Ethyl Acetate
Concen: 46.107 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

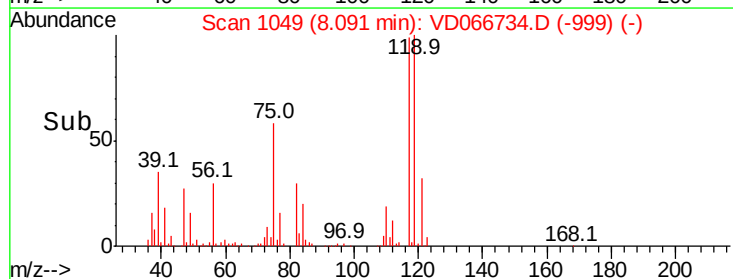
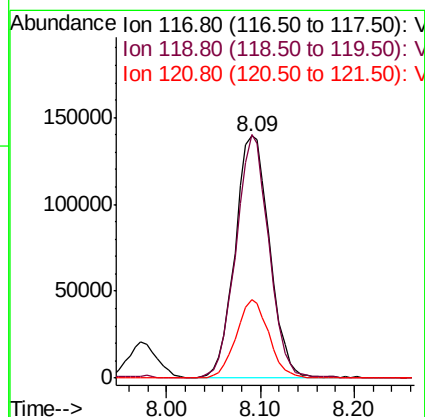
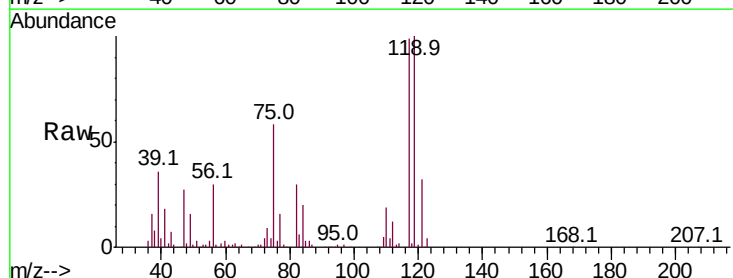
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

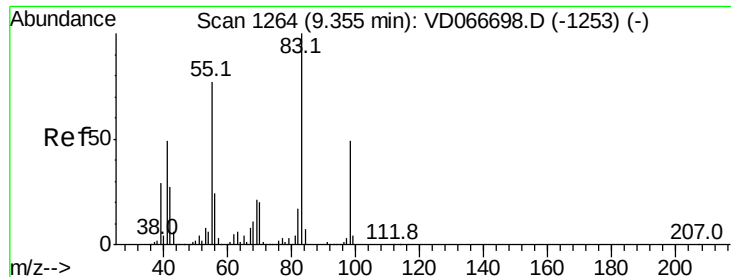
Tot Ion: 43 Resp: 122334
Ion Ratio Lower Upper
43 100
61 14.1 10.4 15.6
70 9.7 7.5 11.3



#38
Carbon Tetrachloride
Concen: 47.510 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 117 Resp: 353599
Ion Ratio Lower Upper
117 100
119 100.9 75.8 113.6
121 32.4 26.2 39.4

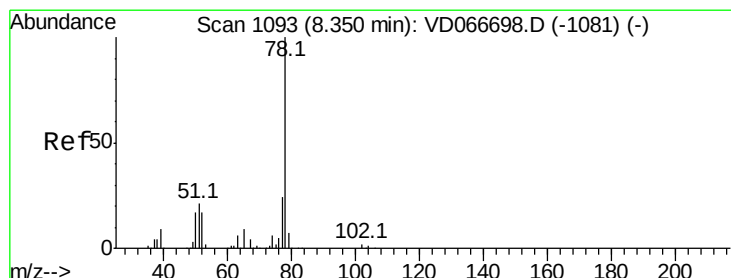
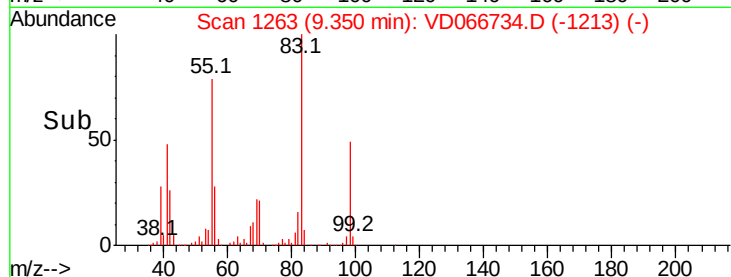
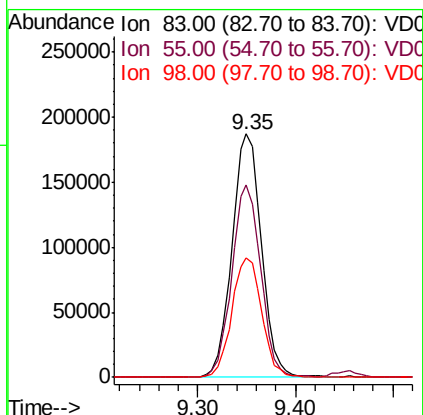
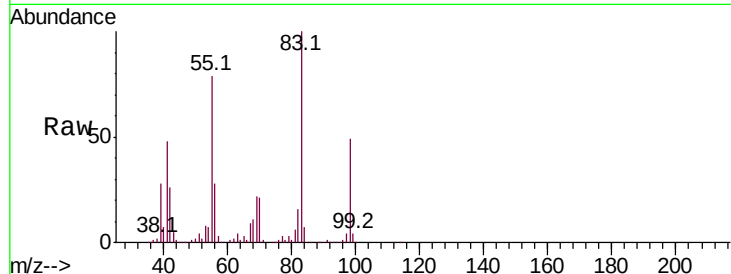




#39
Methylvlcyclohexane
Concen: 48.923 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

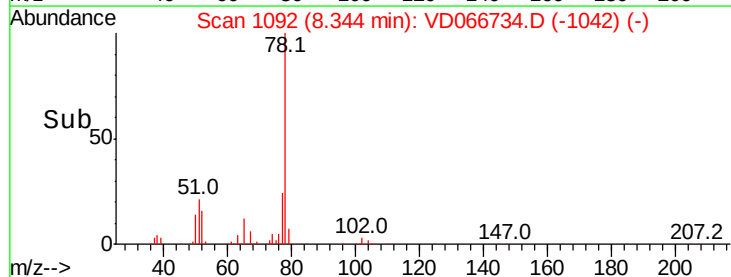
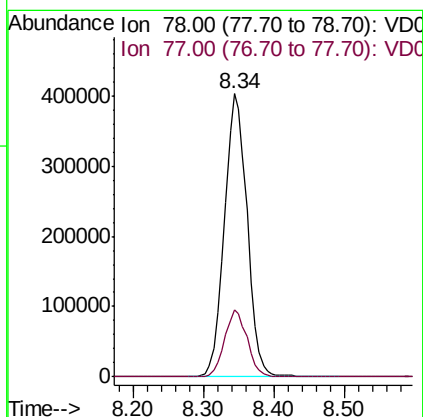
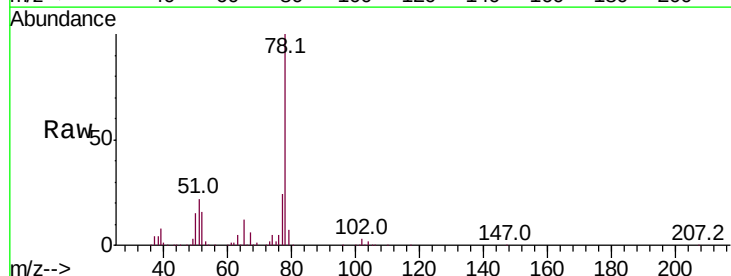
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

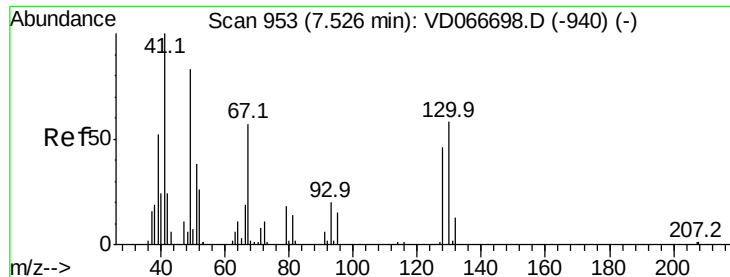
Tot Ion	83	Resp	392190
Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.5	92.3
98	49.1	39.3	58.9



#40
Benzene
Concen: 47.383 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion	78	Resp	898419
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9

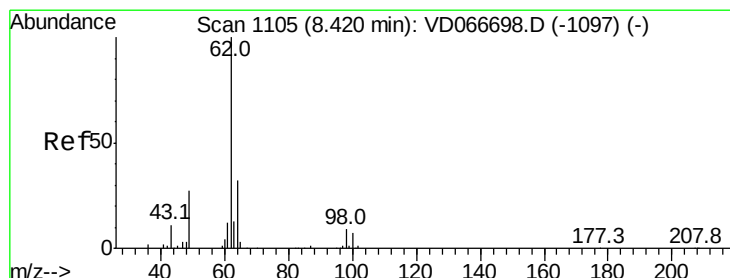
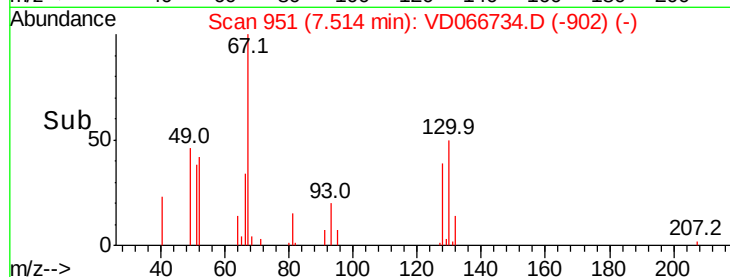
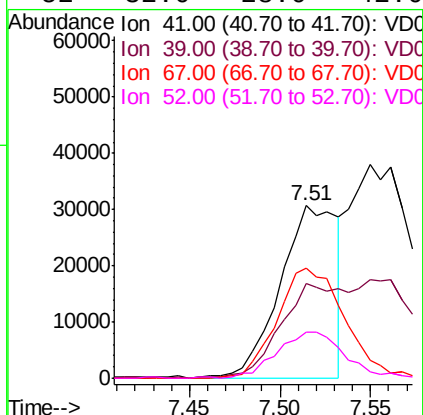
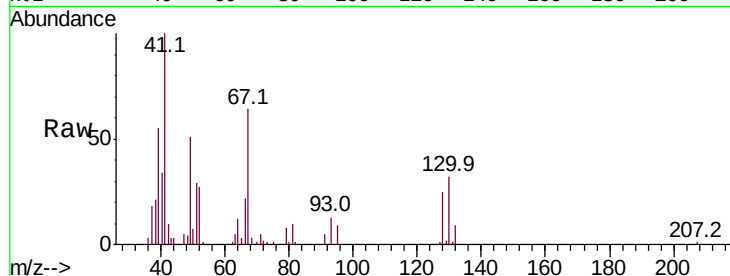




#41
Methacrylonitrile
Concen: 48.398 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

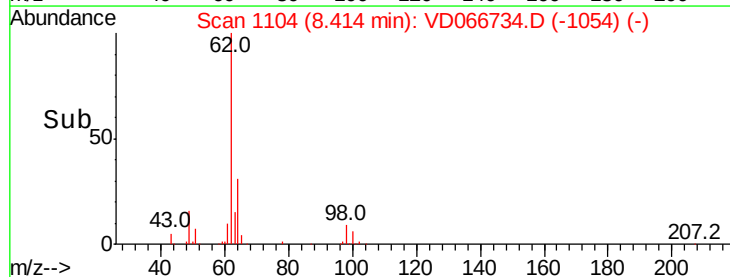
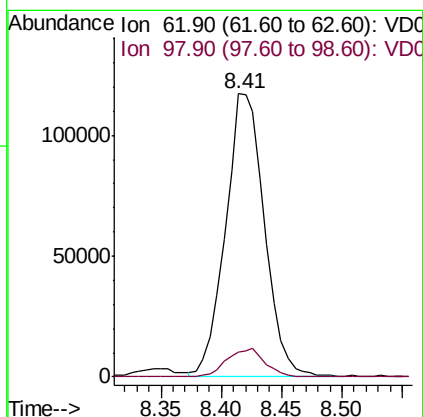
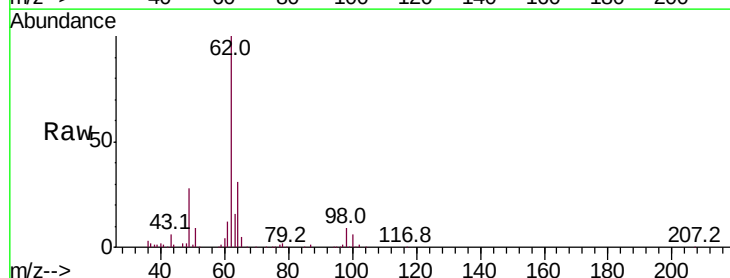
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

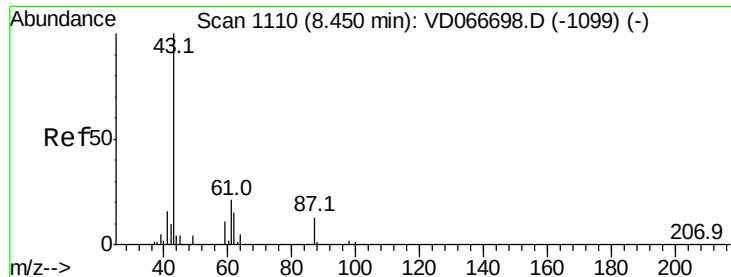
Tot Ion:	41	Resp:	67983
Ion	Ratio	Lower	Upper
41	100		
39	62.2	59.3	88.9
67	74.4	62.3	93.5
52	32.0	28.0	42.0



#42
1,2-Dichloroethane
Concen: 44.615 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion:	62	Resp:	262076
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 45.251 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

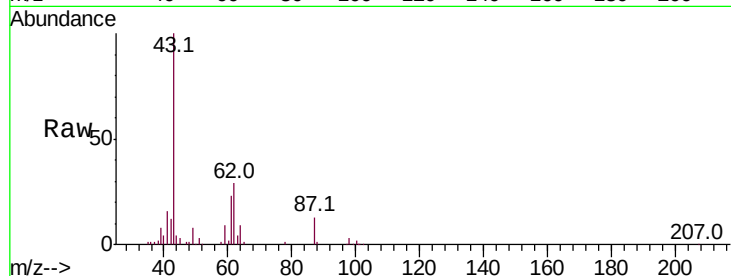
Tot Ion: 43 Resp: 225984

Ion Ratio Lower Upper

43 100

61 31.5 24.8 37.2

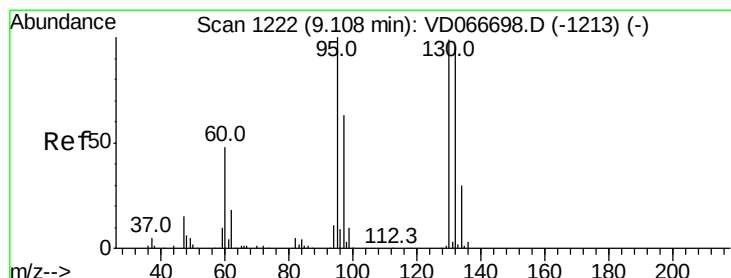
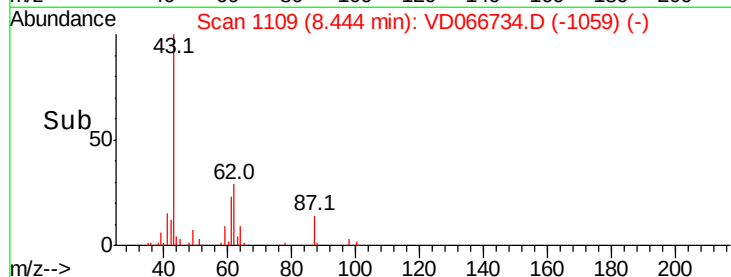
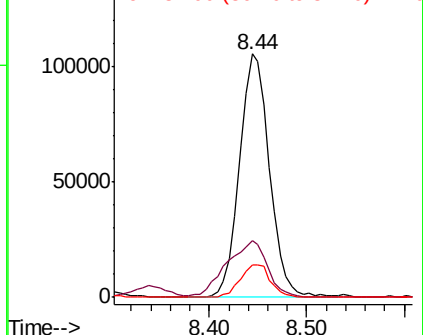
87 13.4 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.976 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066734.D

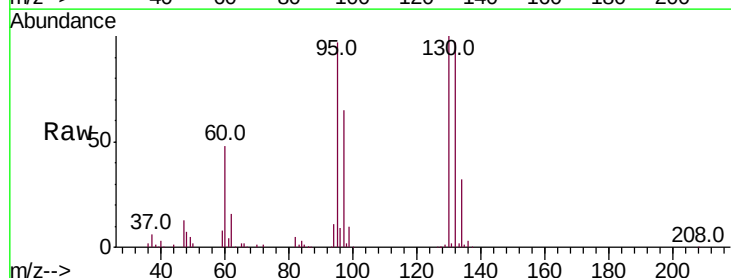
Acq: 17 Sep 2020 10:27

Tgt Ion: 130 Resp: 243218

Ion Ratio Lower Upper

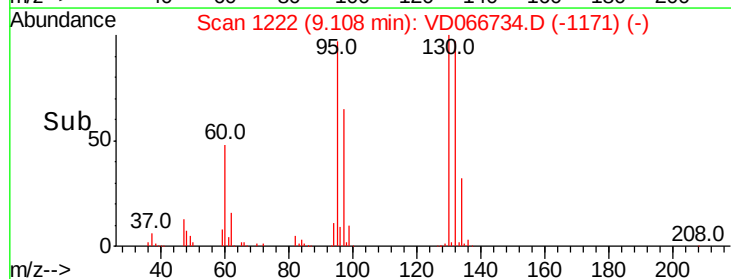
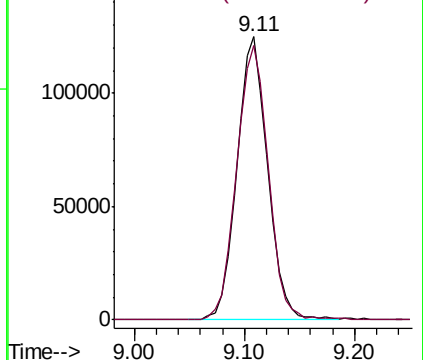
130 100

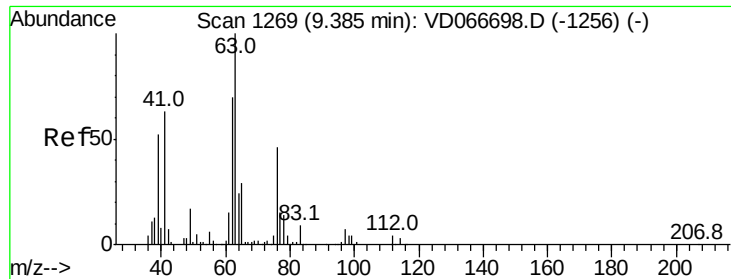
95 97.2 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.465 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

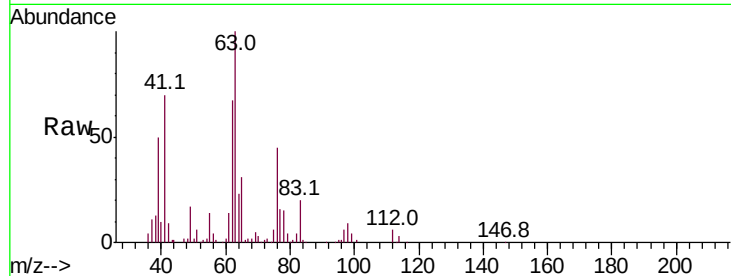
VSTDCCC050

Tot Ion: 63 Resp: 222487

Ion Ratio Lower Upper

63 100

65 30.9 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

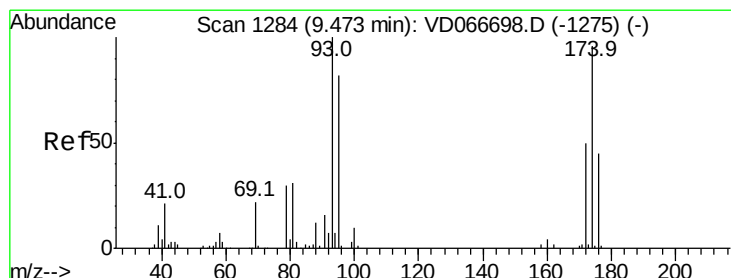
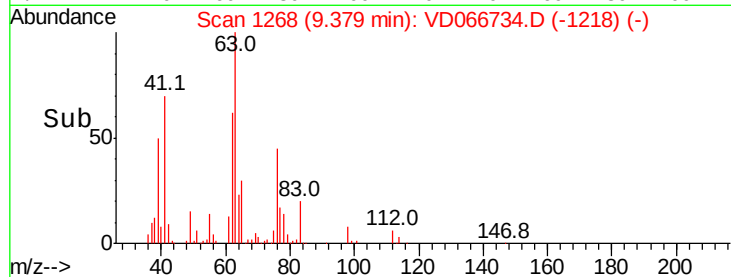
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.693 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

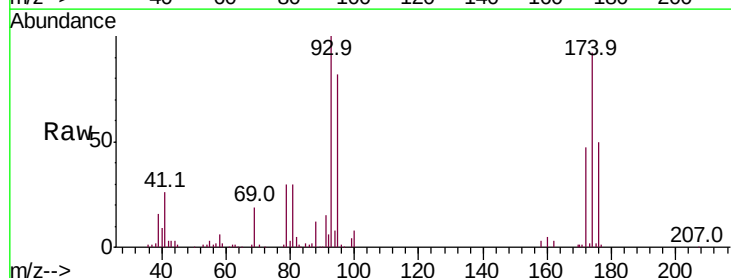
Tgt Ion: 93 Resp: 120271

Ion Ratio Lower Upper

93 100

95 82.3 66.0 99.0

174 92.3 72.3 108.5



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

80000

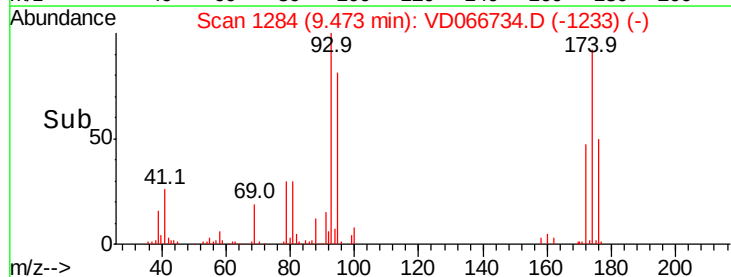
60000

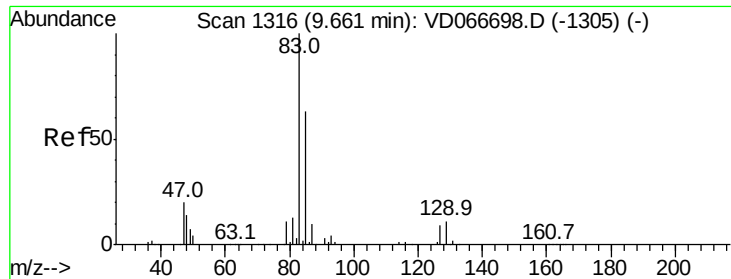
40000

20000

0

Time-->

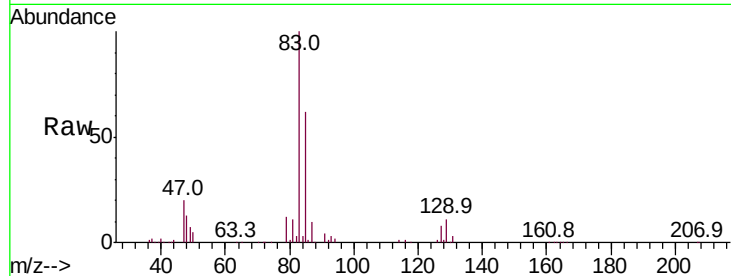




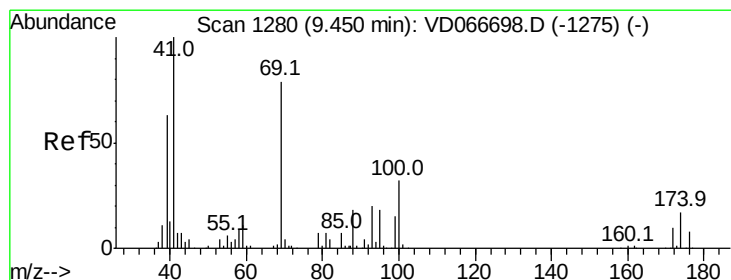
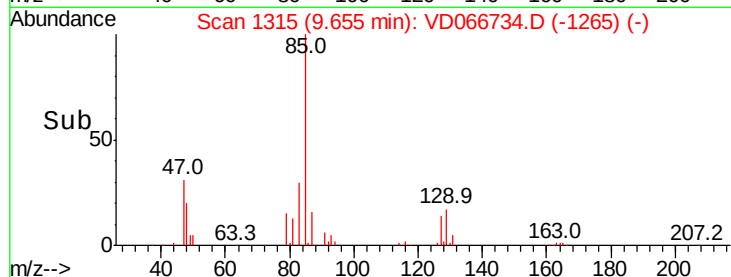
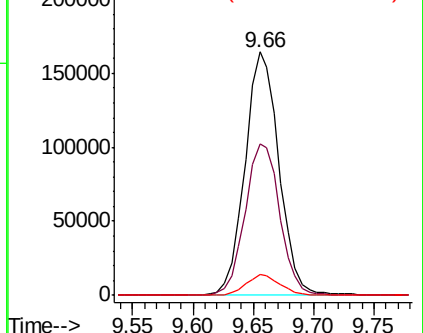
#47
Bromodichloromethane
Concen: 45.966 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 322624
Ion Ratio Lower Upper
83 100
85 62.1 50.1 75.1
127 8.4 6.9 10.3

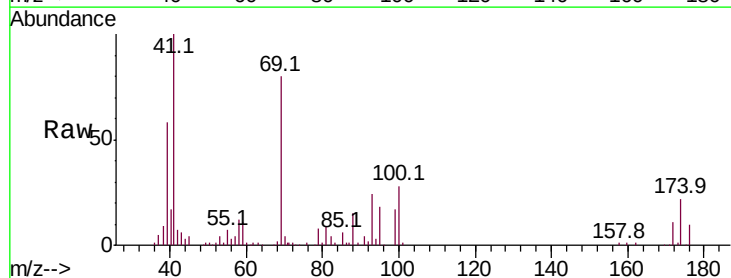


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

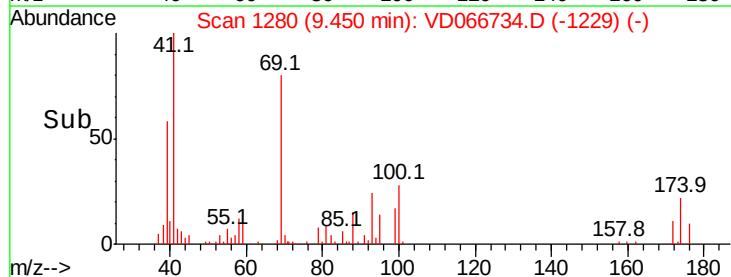
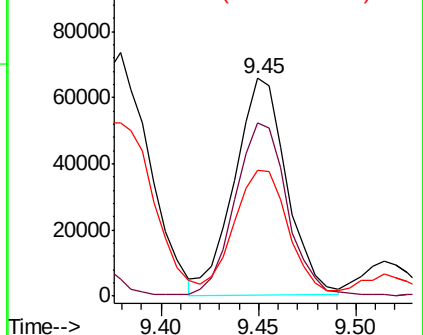


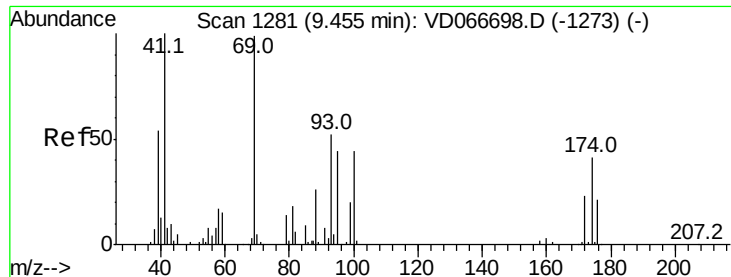
#48
Methyl methacrylate
Concen: 47.918 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 41 Resp: 121720
Ion Ratio Lower Upper
41 100
69 79.9 62.4 93.6
39 54.8 44.8 67.2



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





#49

1,4-Dioxane

Concen: 912.671 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

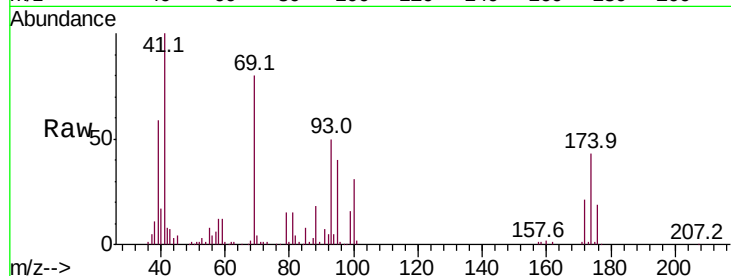
Tot Ion: 88 Resp: 25182

Ion Ratio Lower Upper

88 100

43 38.5 29.3 43.9

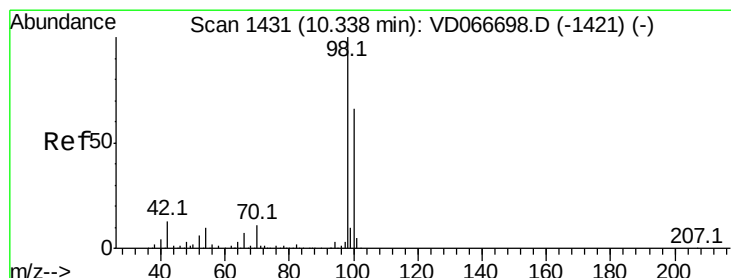
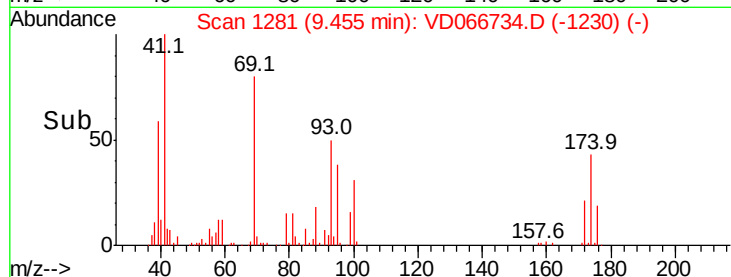
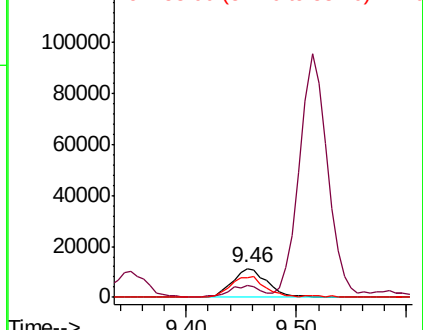
58 70.5 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.379 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066734.D

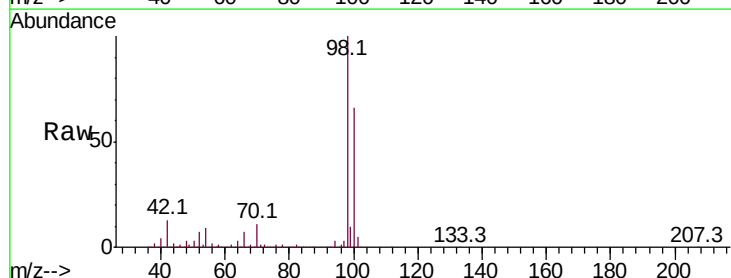
Acq: 17 Sep 2020 10:27

Tgt Ion: 98 Resp: 779900

Ion Ratio Lower Upper

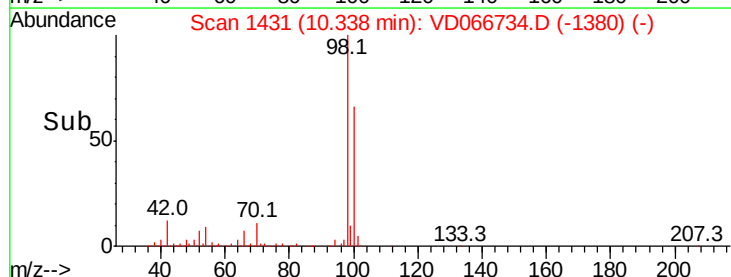
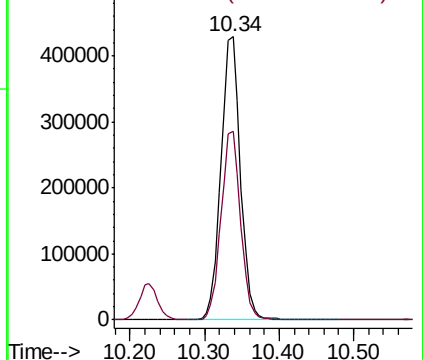
98 100

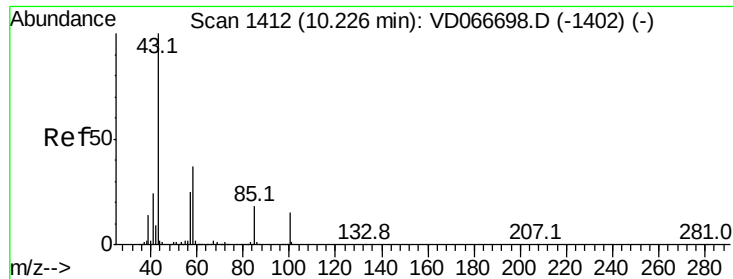
100 66.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

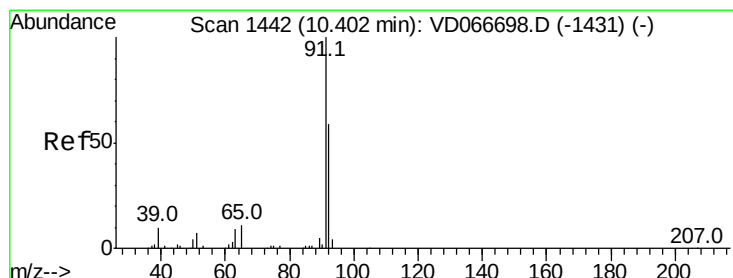
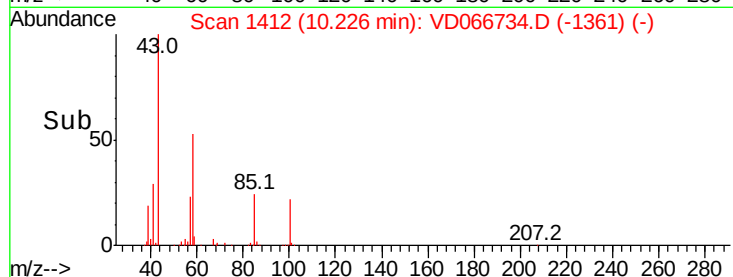
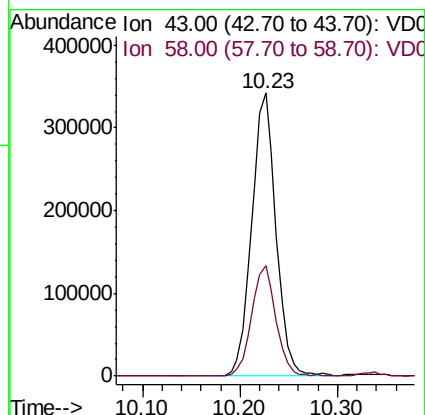
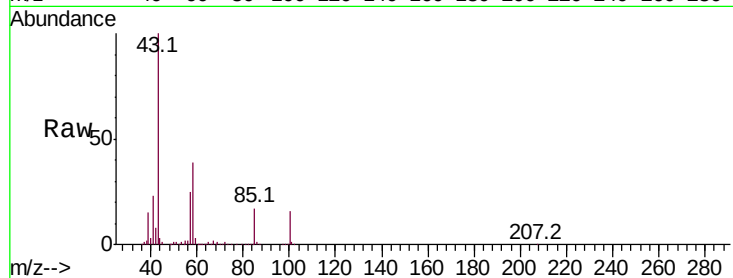




#51
 4-Methyl-2-Pentanone
 Concen: 233.222 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

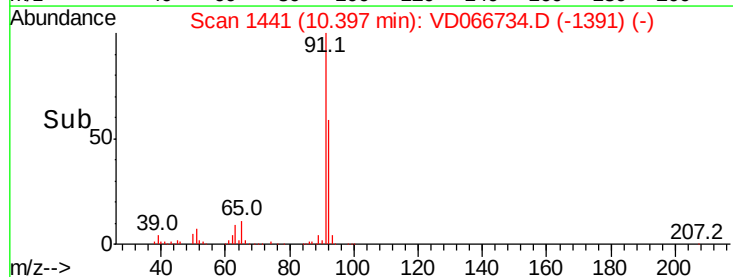
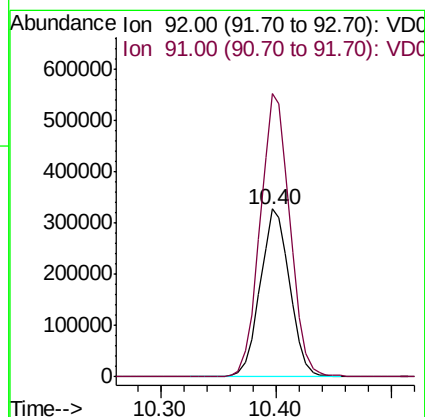
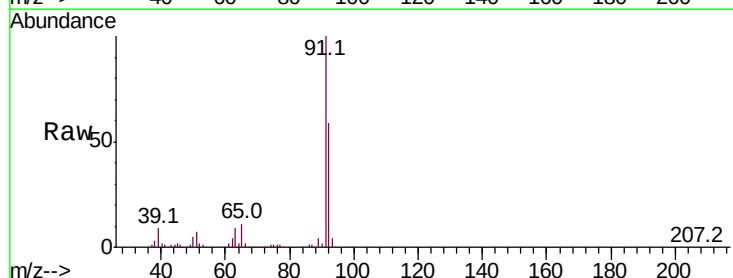
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

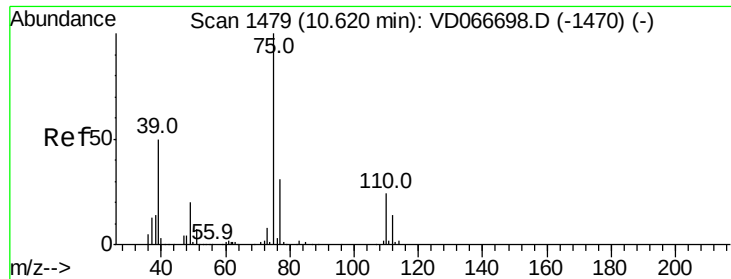
Tot Ion: 43 Resp: 599627
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.4 45.6



#52
 Toluene
 Concen: 48.163 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 92 Resp: 585013
 Ion Ratio Lower Upper
 92 100
 91 170.4 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 46.691 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

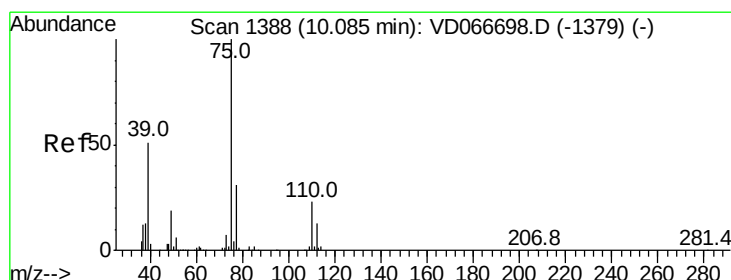
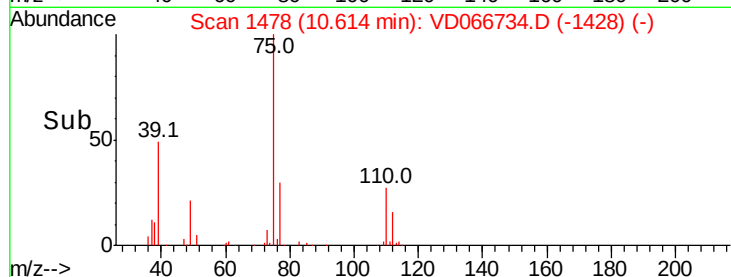
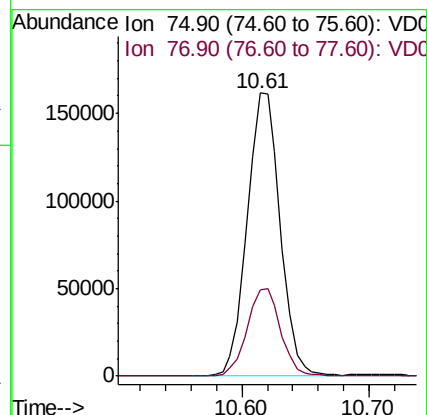
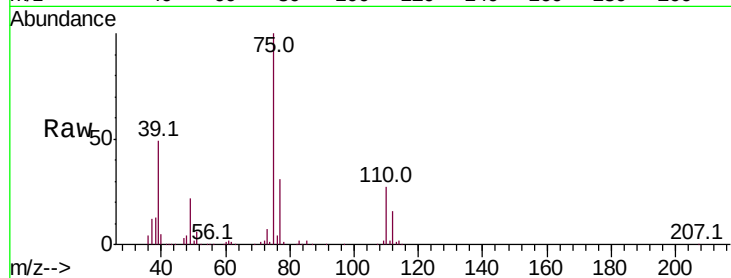
VSTDCCC050

Tot Ion: 75 Resp: 292756

Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 47.613 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

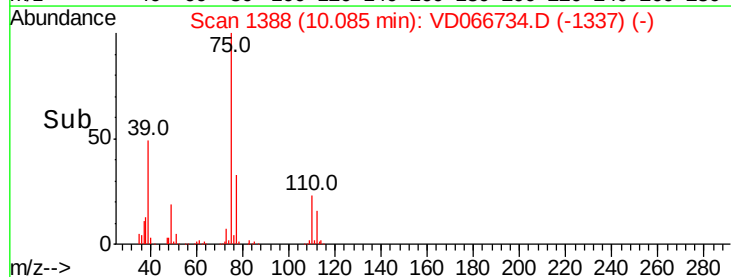
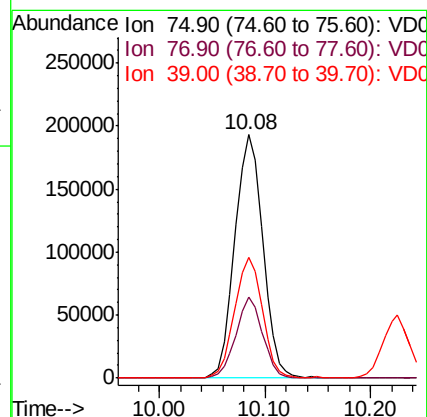
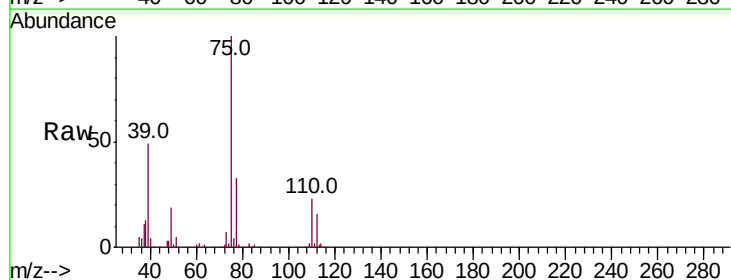
Tgt Ion: 75 Resp: 354586

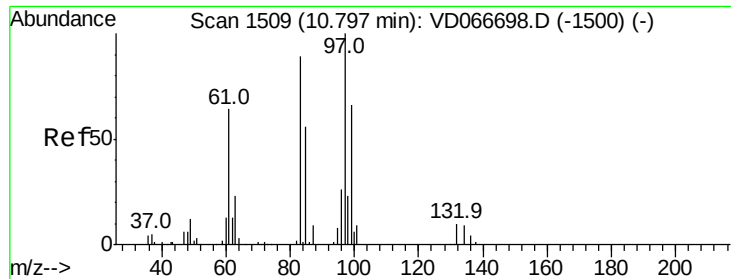
Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.6

39 49.4 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 45.912 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 155921

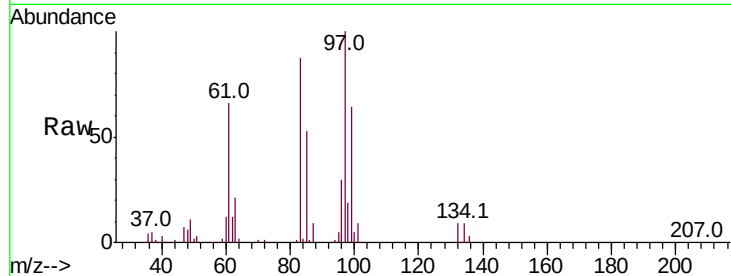
Ion Ratio Lower Upper

97 100

83 87.1 71.4 107.2

85 52.7 44.7 67.1

99 64.1 52.4 78.6

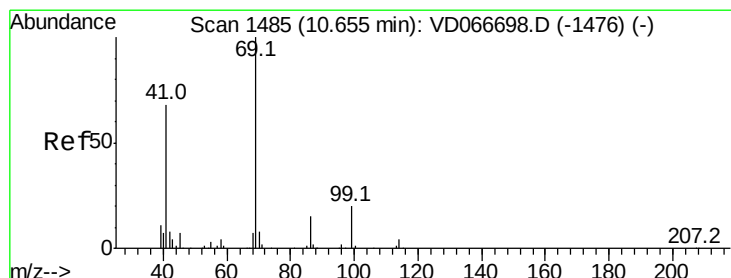
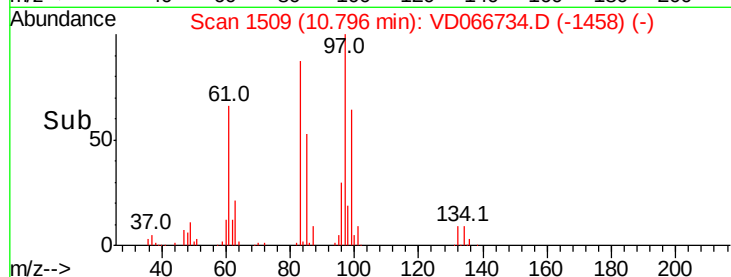
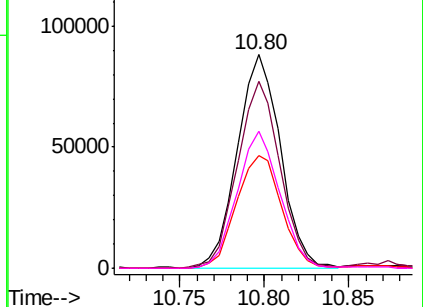


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 48.136 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

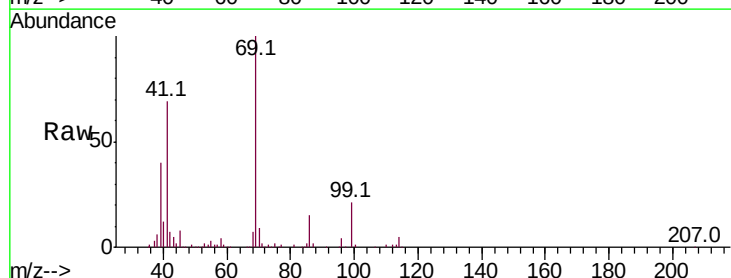
Tgt Ion: 69 Resp: 185508

Ion Ratio Lower Upper

69 100

41 67.9 55.5 83.3

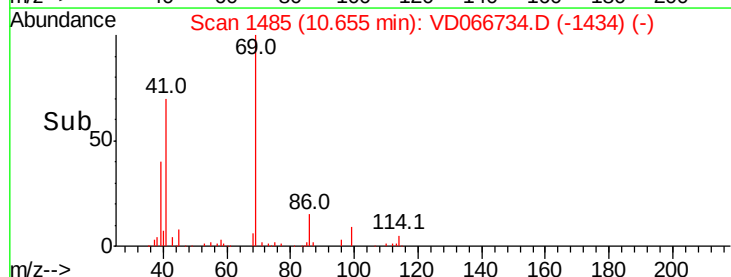
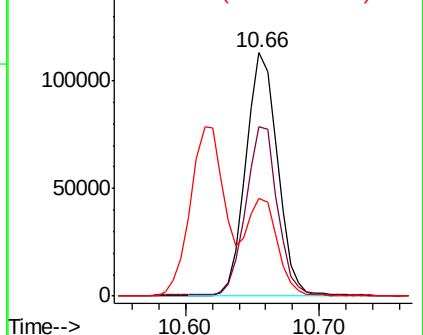
39 39.5 29.7 44.5

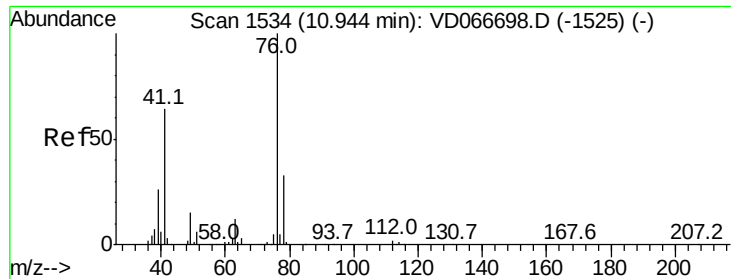


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.678 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

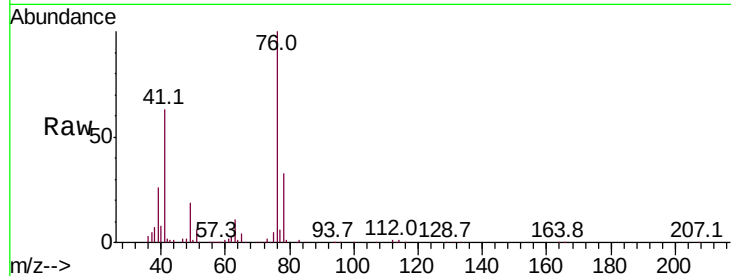
VSTDCCC050

Tot Ion: 76 Resp: 272233

Ion Ratio Lower Upper

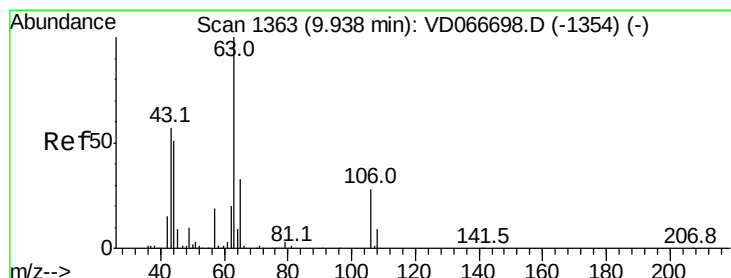
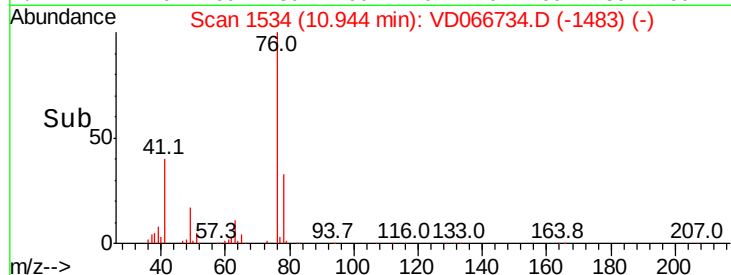
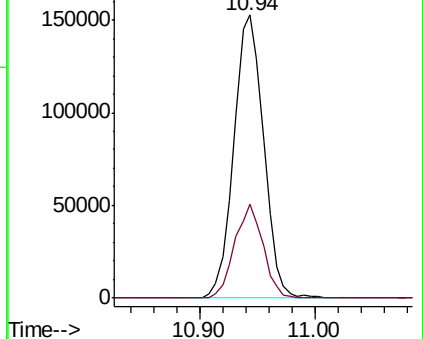
76 100

78 31.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 246.561 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066734.D

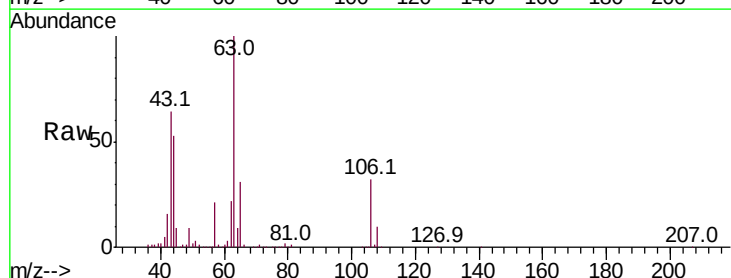
Acq: 17 Sep 2020 10:27

Tgt Ion: 63 Resp: 417328

Ion Ratio Lower Upper

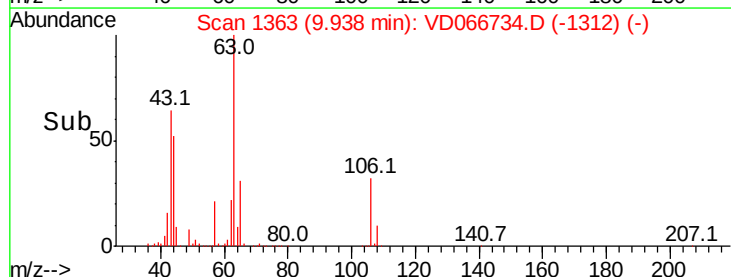
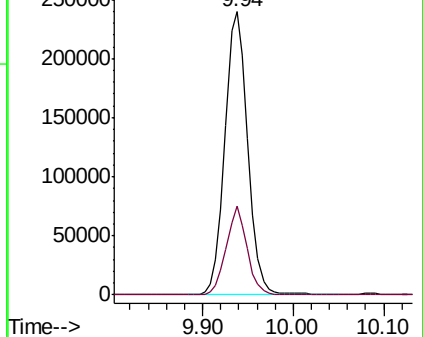
63 100

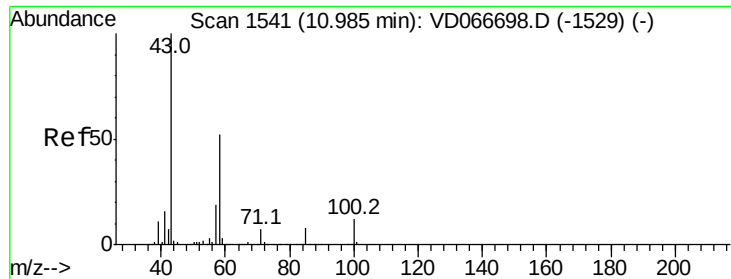
106 28.8 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

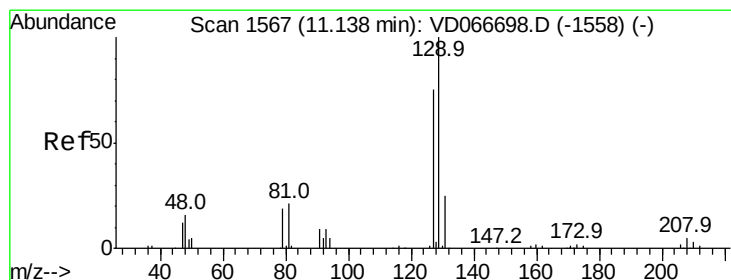
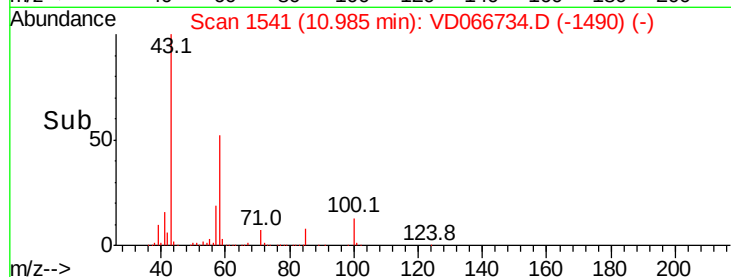
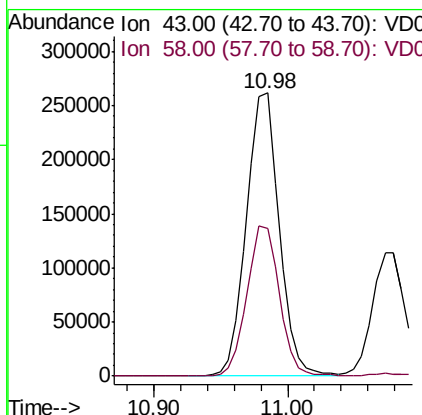
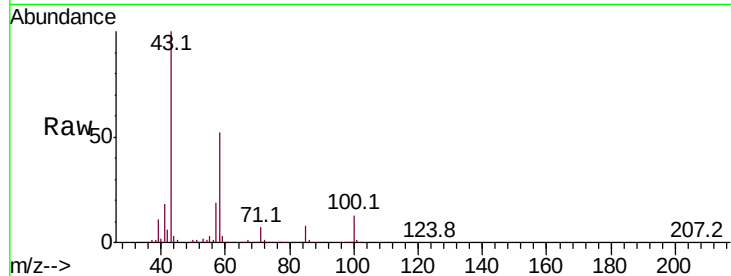




#59
2-Hexanone
Concen: 257.653 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

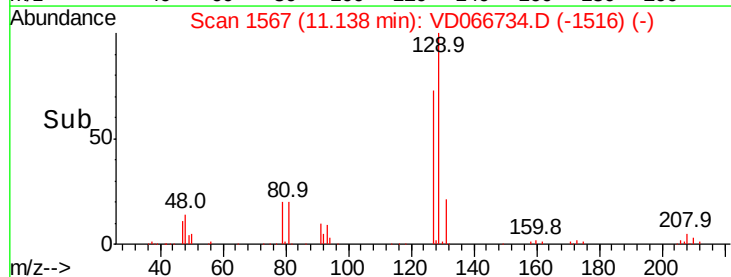
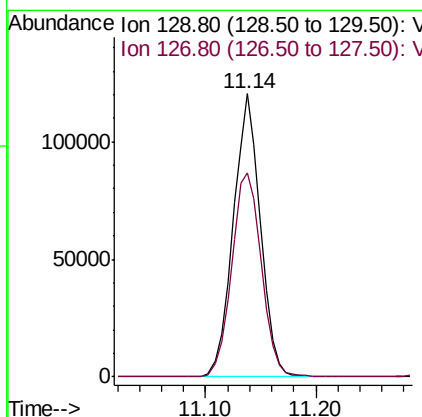
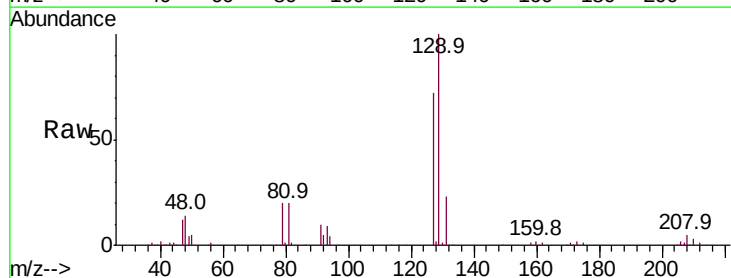
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

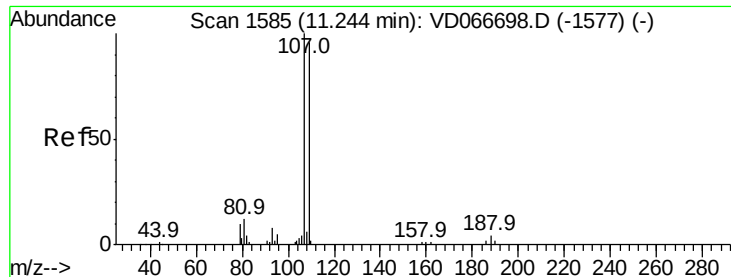
Tot Ion: 43 Resp: 445104
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.5



#60
Dibromochloromethane
Concen: 46.950 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 129 Resp: 207758
Ion Ratio Lower Upper
129 100
127 78.9 38.1 114.3

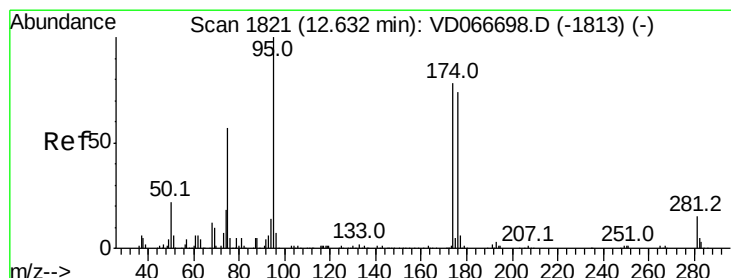
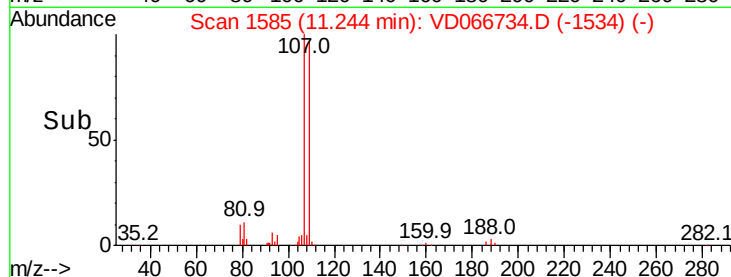
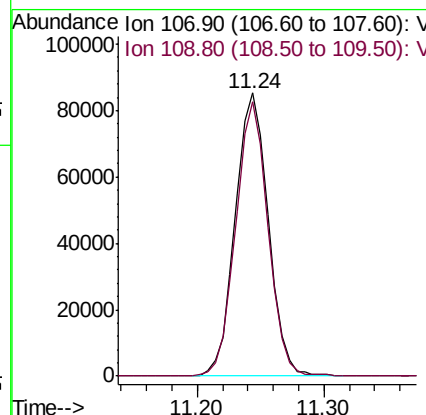
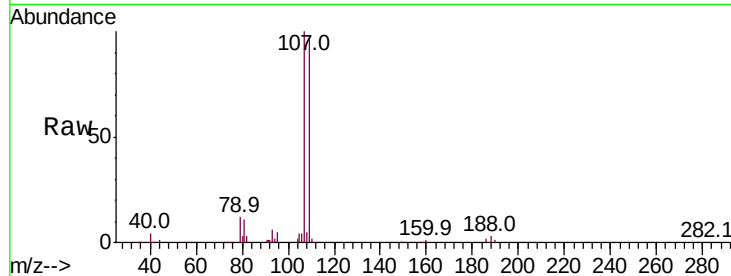




#61
 1,2-Dibromoethane
 Concen: 47.103 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

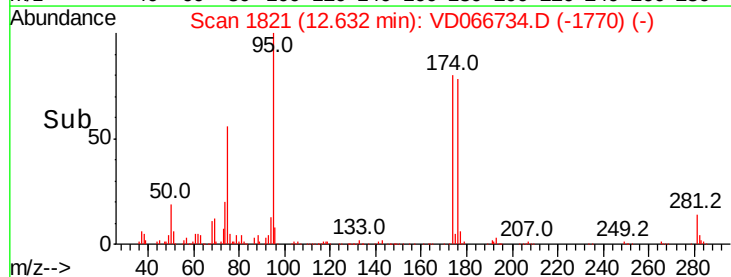
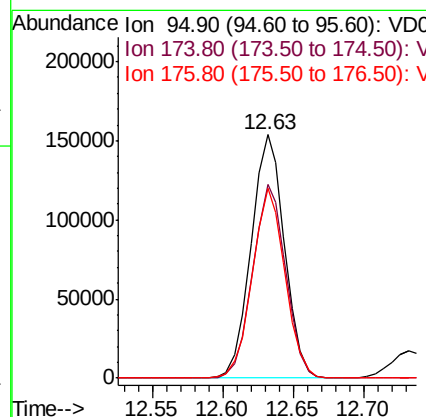
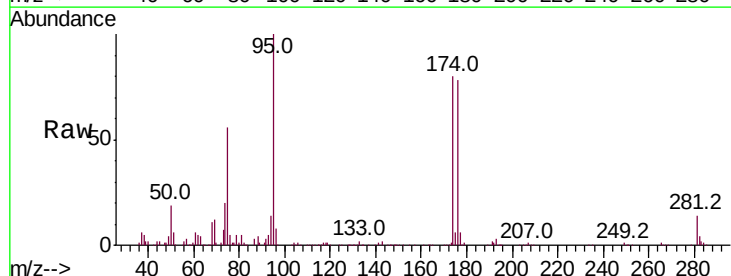
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

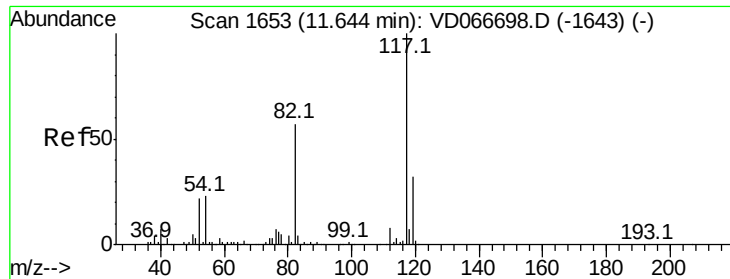
Tot Ion:107 Resp: 153449
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.482 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 95 Resp: 254326
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 156.6
 176 76.5 0.0 150.2

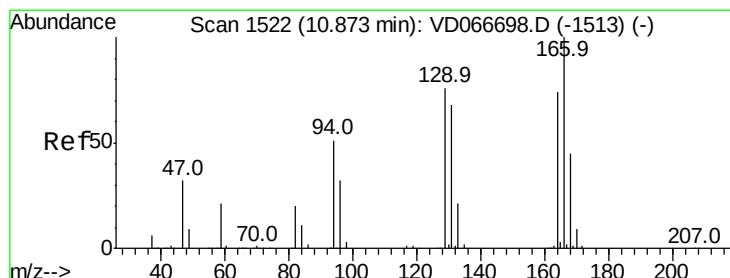
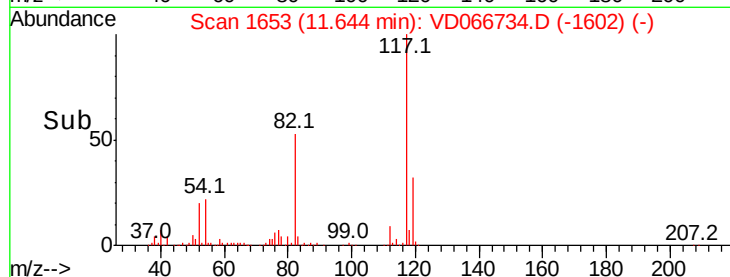
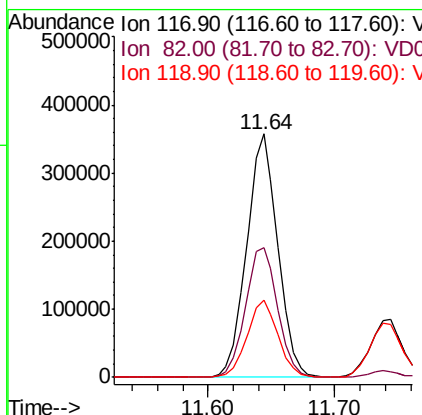
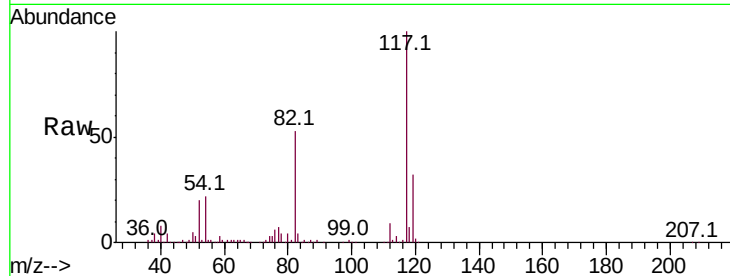




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

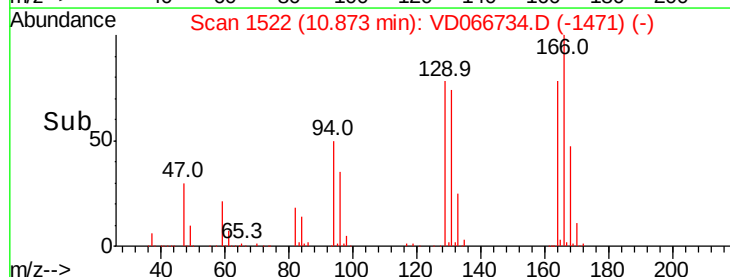
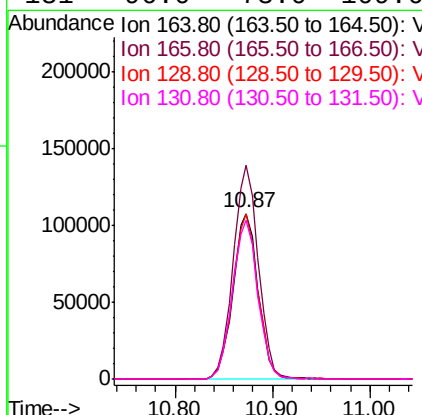
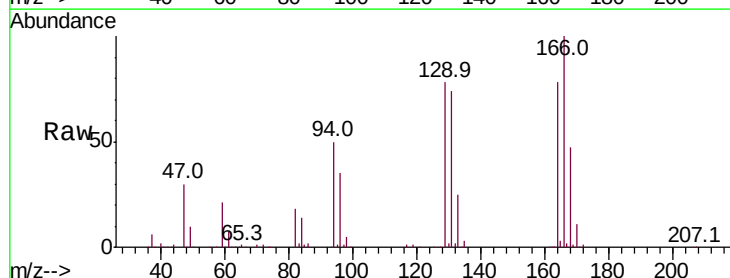
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

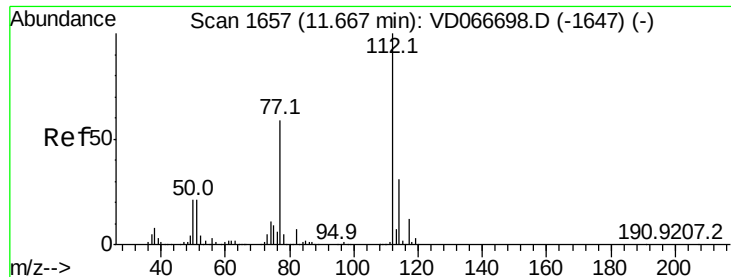
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.0
119	31.6	25.8	38.6



#64
Tetrachloroethene
Concen: 46.275 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	107.5	161.3
129	100.0	81.4	122.0
131	96.0	73.0	109.6

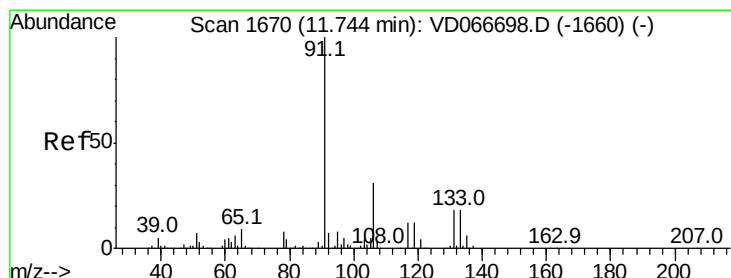
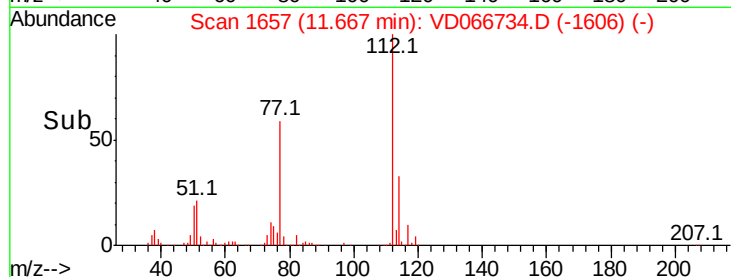
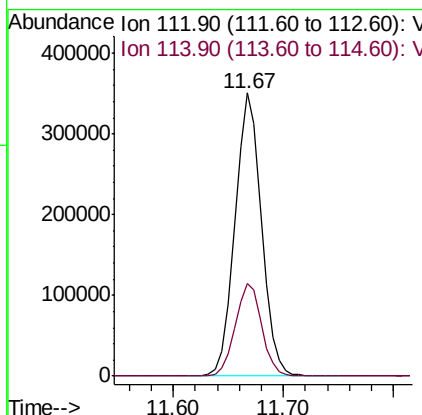
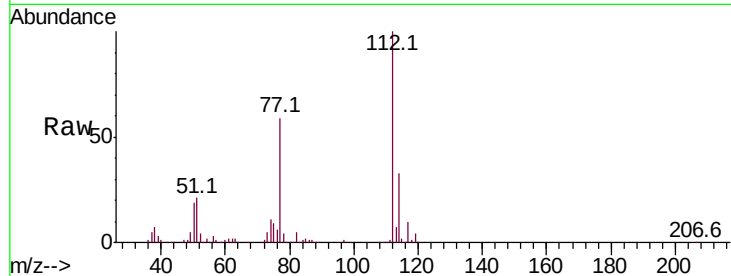




#65
Chlorobenzene
Concen: 46.761 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

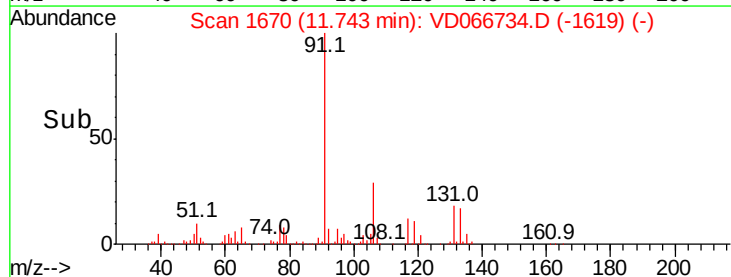
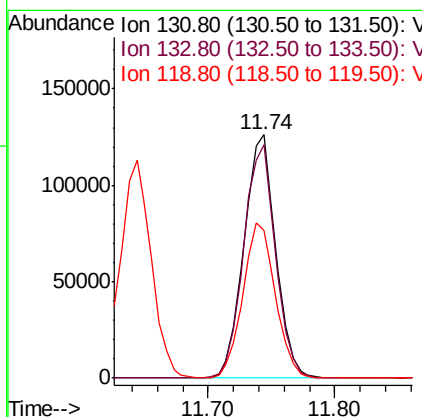
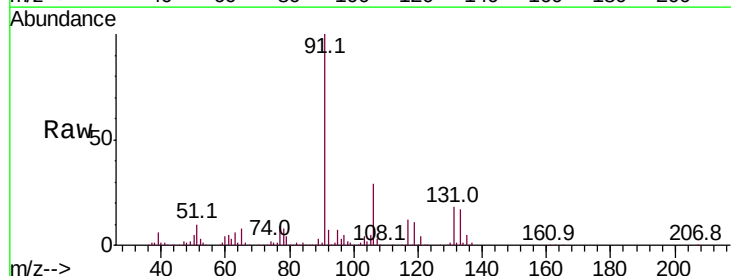
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

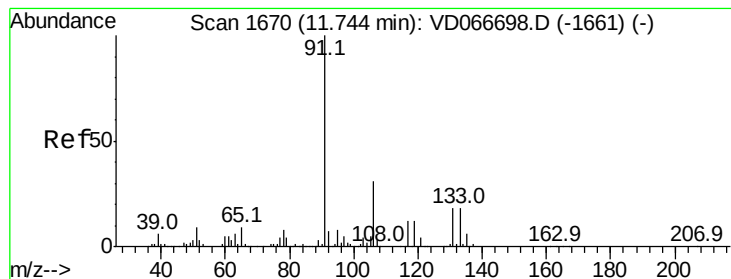
Tot Ion:112 Resp: 590491
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.299 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion:131 Resp: 220377
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.3
119 65.2 33.6 100.8





#67

Ethyl Benzene

Concen: 48.891 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

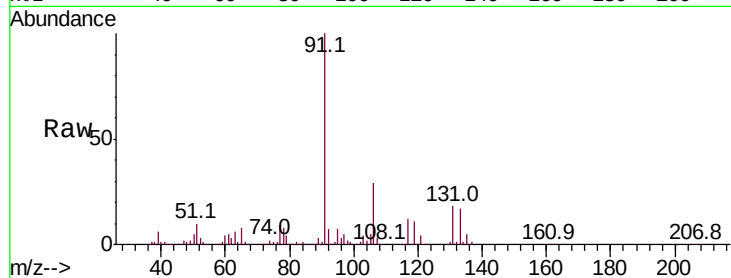
VSTDCCC050

Tot Ion: 91 Resp: 1118273

Ion Ratio Lower Upper

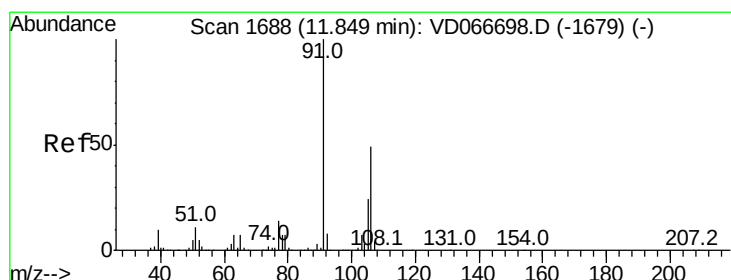
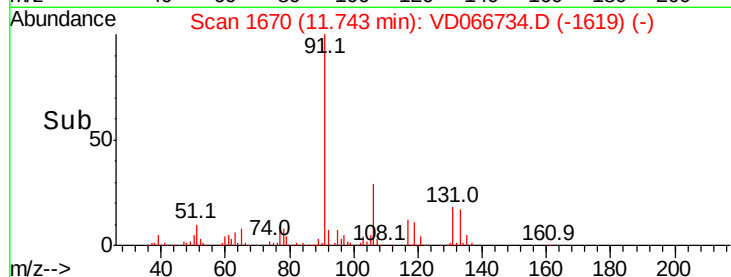
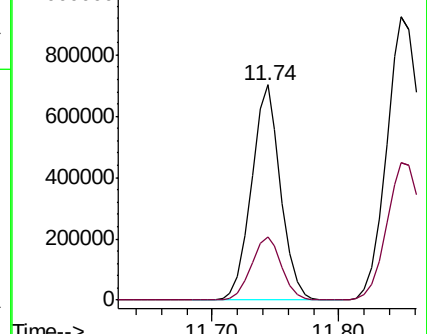
91 100

106 29.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.030 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066734.D

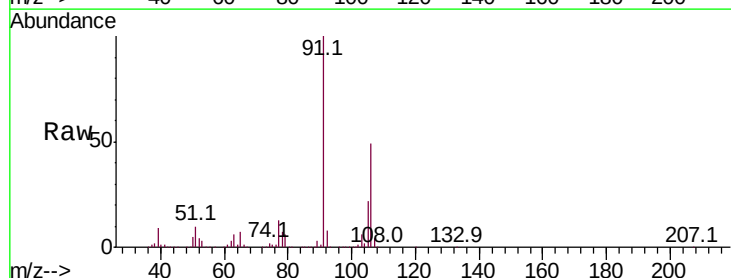
Acq: 17 Sep 2020 10:27

Tgt Ion:106 Resp: 856100

Ion Ratio Lower Upper

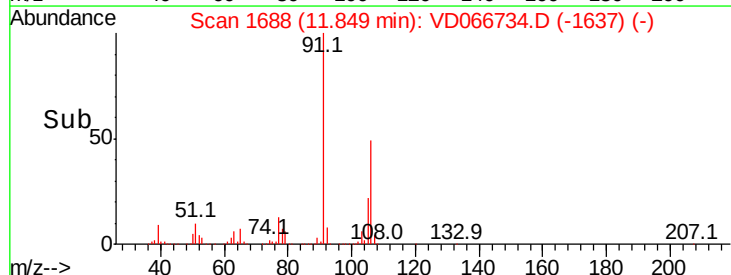
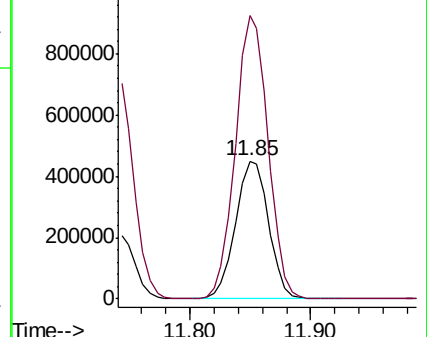
106 100

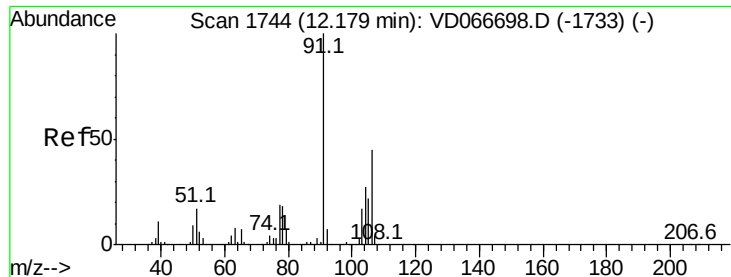
91 203.1 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

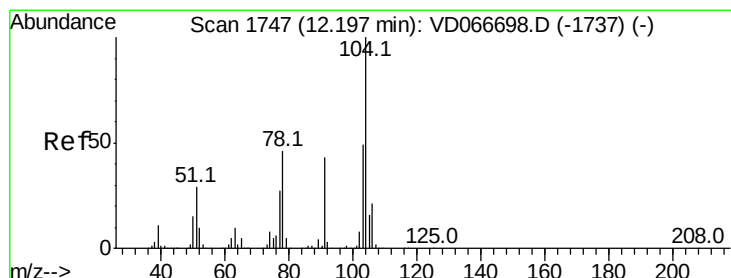
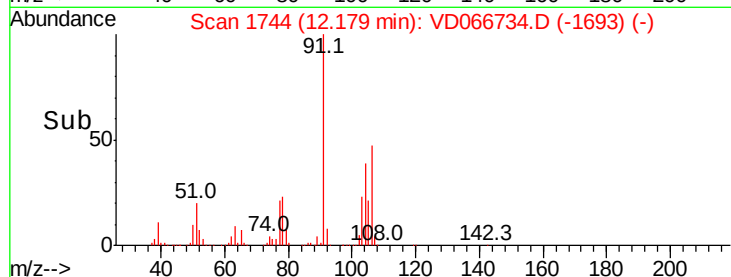
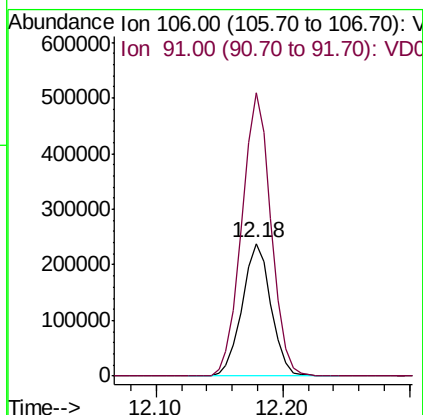
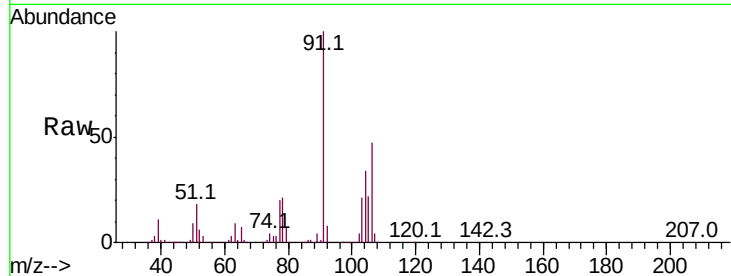




#69
o-Xylene
Concen: 49.343 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

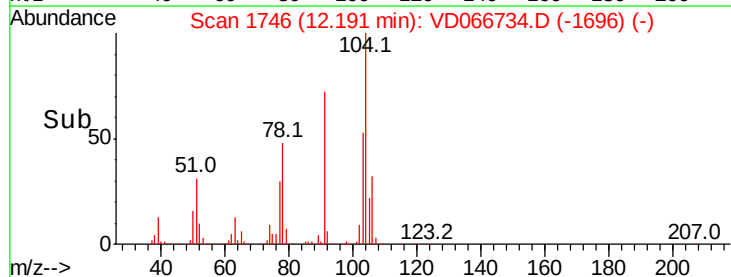
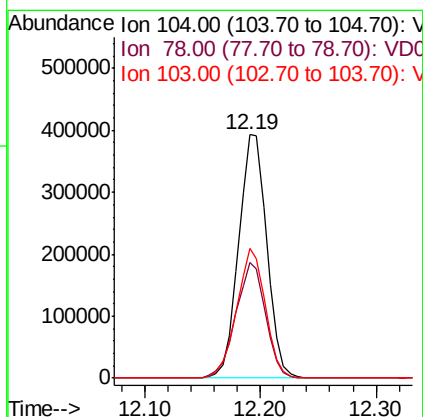
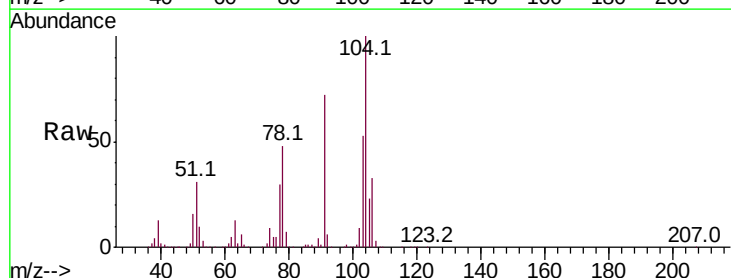
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

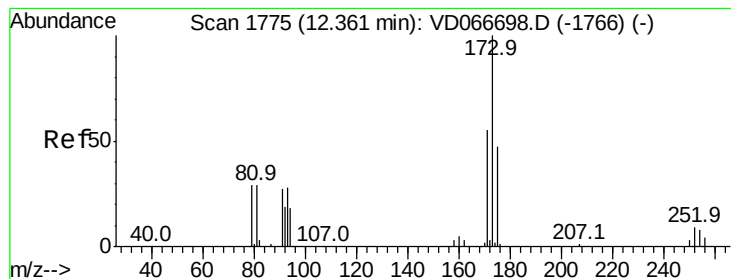
Tot Ion:106 Resp: 376955
Ion Ratio Lower Upper
106 100
91 215.5 109.4 328.2



#70
Styrene
Concen: 49.305 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion:104 Resp: 662944
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.4
103 54.4 42.5 63.7





#71

Bromoform

Concen: 47.147 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

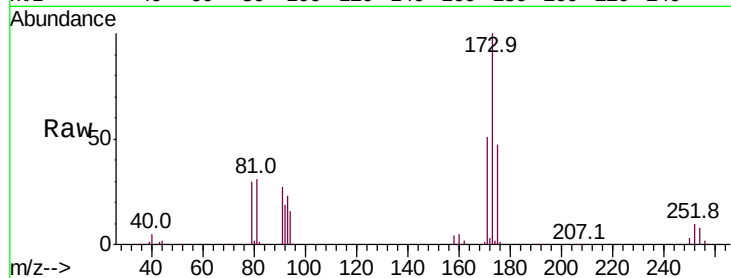
Tot Ion:173 Resp: 110241

Ion Ratio Lower Upper

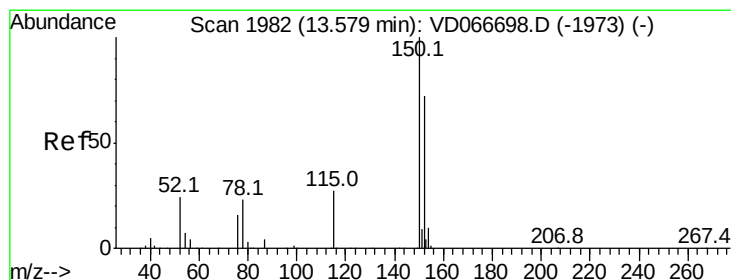
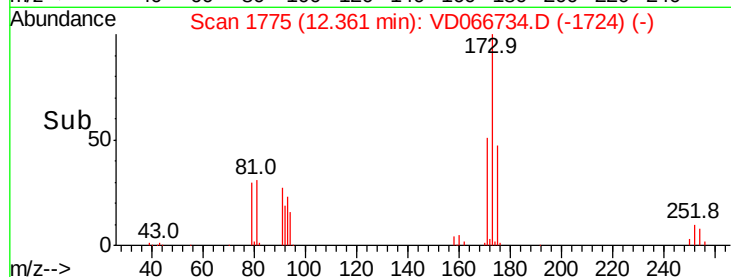
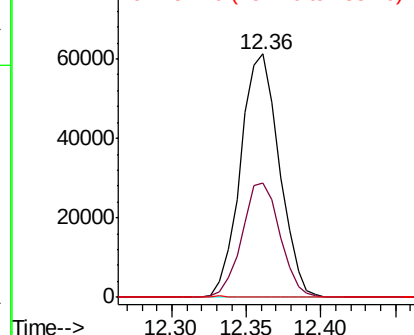
173 100

175 46.1 24.3 72.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

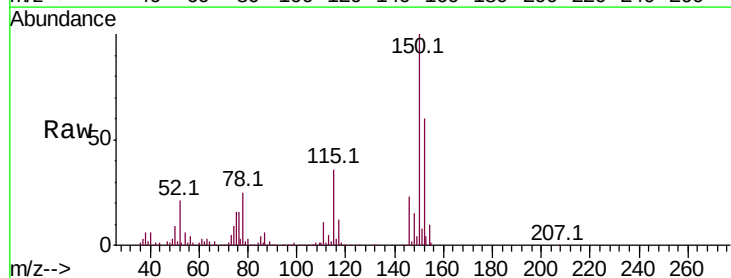
Tgt Ion:152 Resp: 281980

Ion Ratio Lower Upper

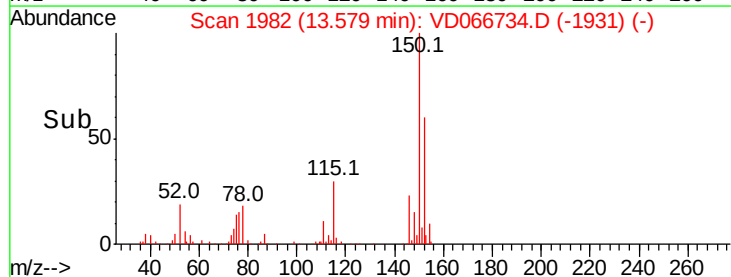
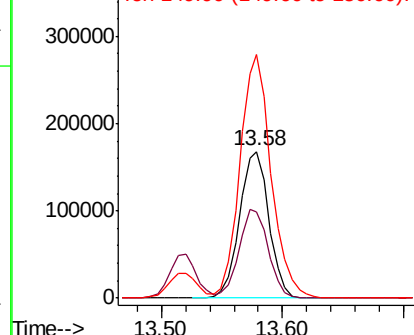
152 100

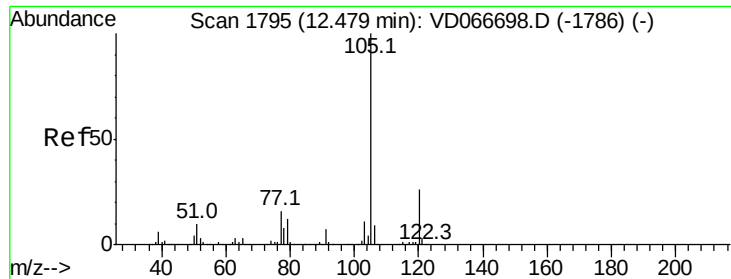
115 61.0 30.5 91.5

150 177.5 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.111 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

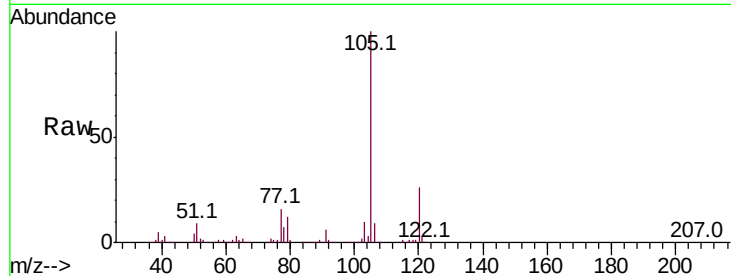
VSTDCCC050

Tot Ion:105 Resp: 1054866

Ion Ratio Lower Upper

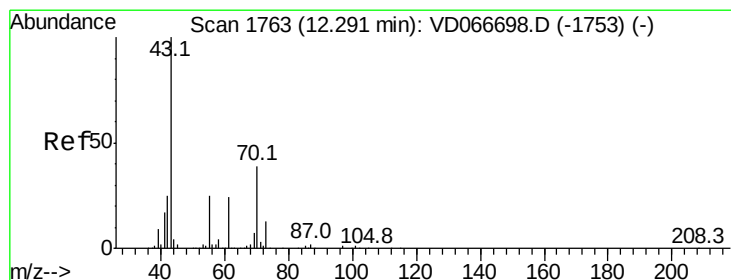
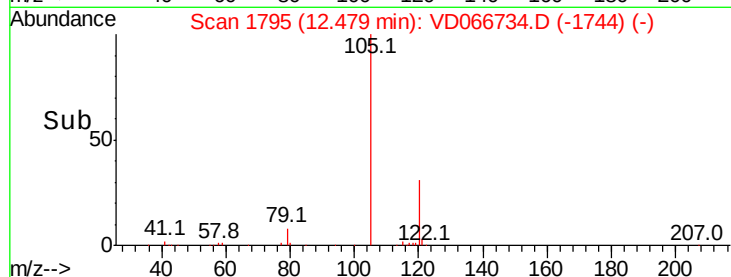
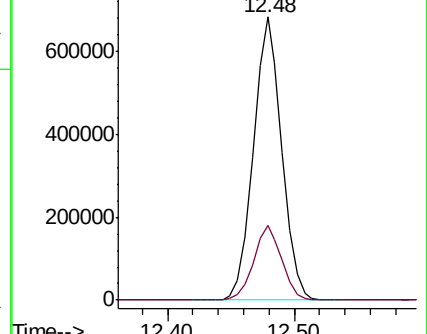
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.991 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Tgt Ion: 43 Resp: 208664

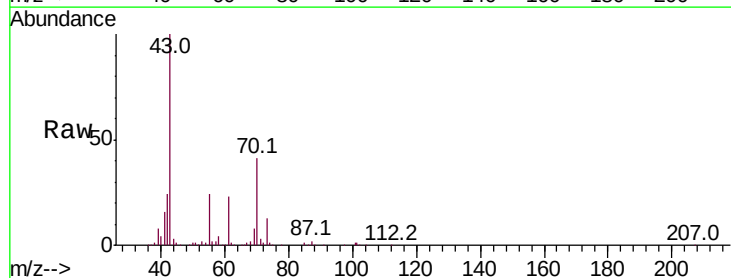
Ion Ratio Lower Upper

43 100

70 43.5 33.0 49.4

55 26.4 20.6 30.8

61 23.1 19.1 28.7

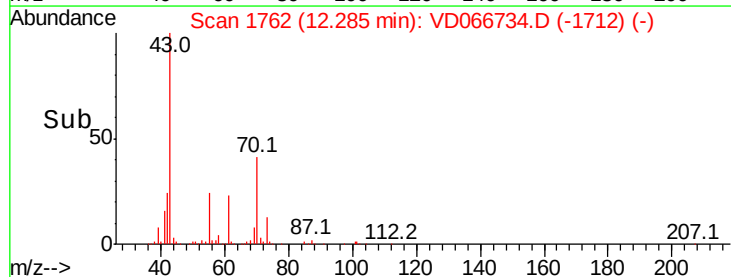
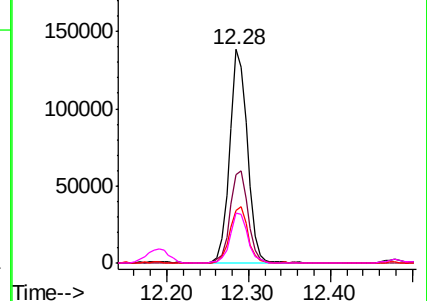


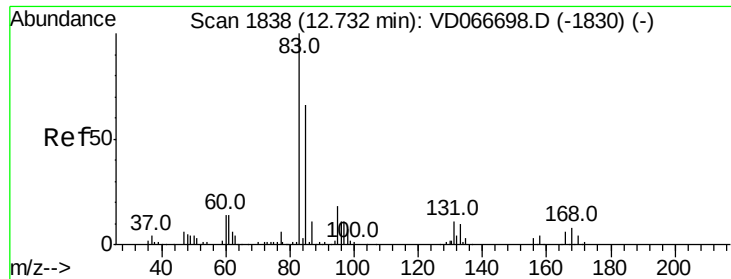
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.994 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

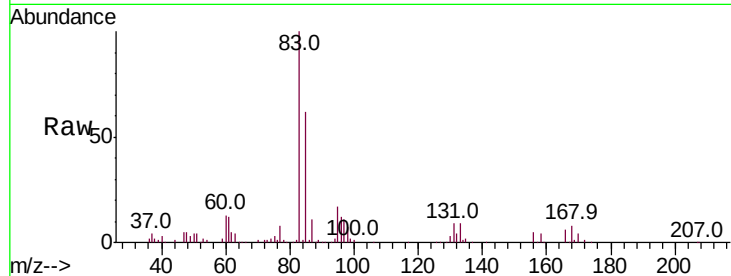
Tot Ion: 83 Resp: 168099

Ion Ratio Lower Upper

83 100

131 10.2 5.8 17.3

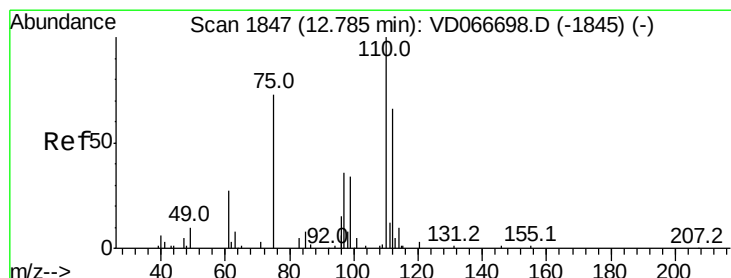
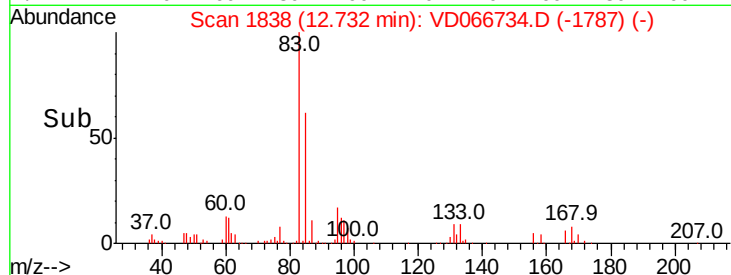
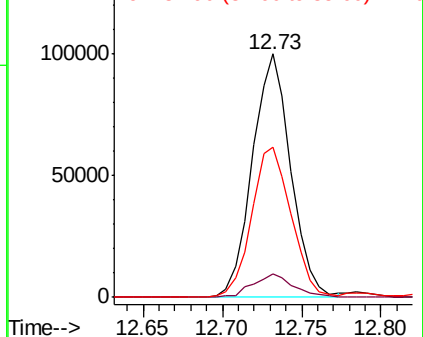
85 63.5 33.3 99.8



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: 92.200 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066734.D

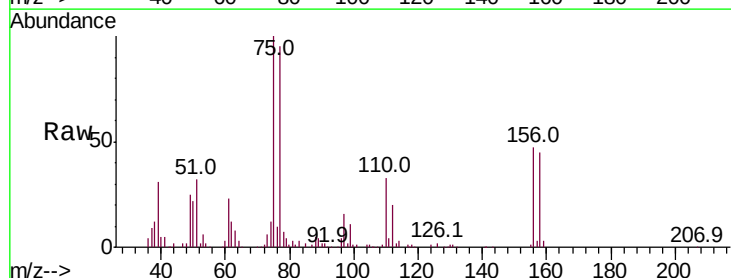
Acq: 17 Sep 2020 10:27

Tgt Ion: 75 Resp: 222537

Ion Ratio Lower Upper

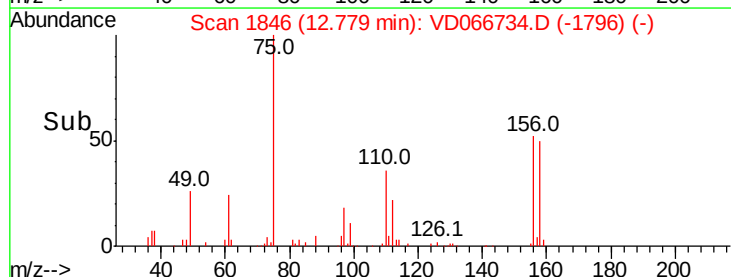
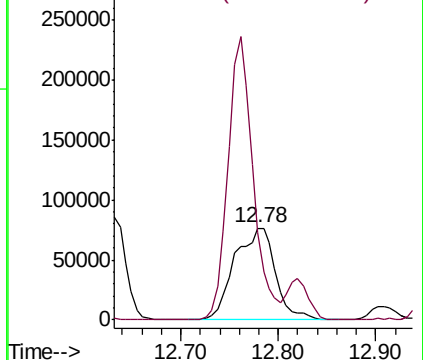
75 100

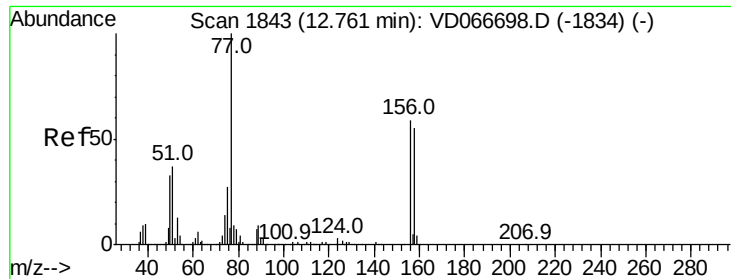
77 190.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.269 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

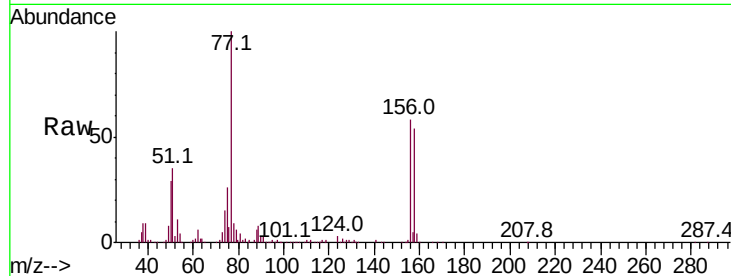
Tot Ion:156 Resp: 229340

Ion Ratio Lower Upper

156 100

77 185.2 95.8 287.3

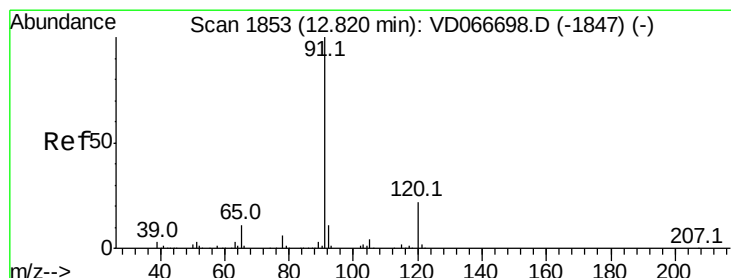
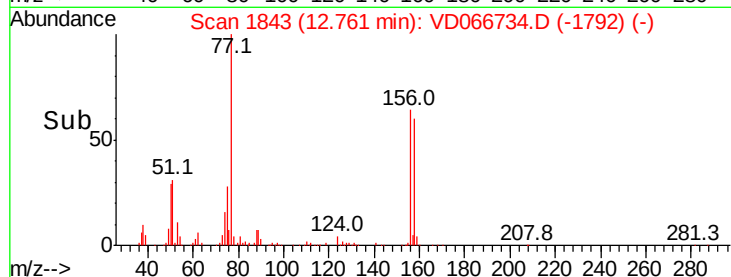
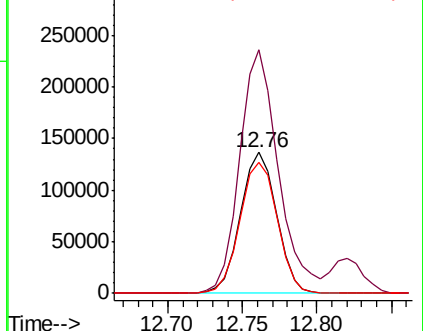
158 95.8 48.4 145.0



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: 50.051 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066734.D

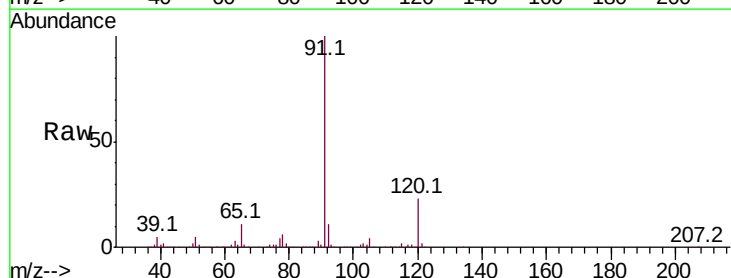
Acq: 17 Sep 2020 10:27

Tgt Ion: 91 Resp: 1284365

Ion Ratio Lower Upper

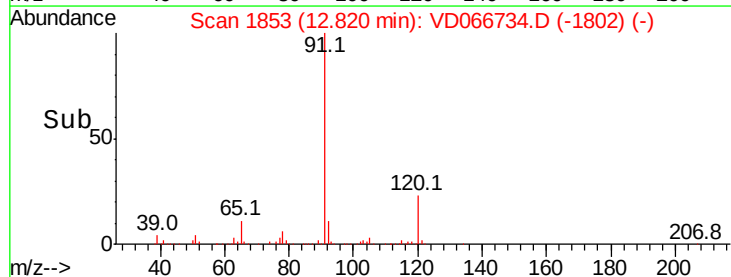
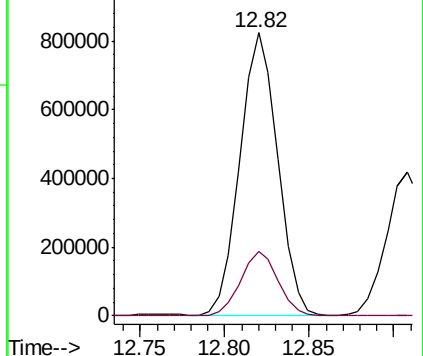
91 100

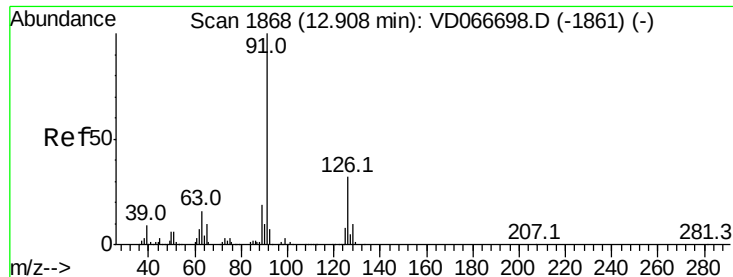
120 22.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

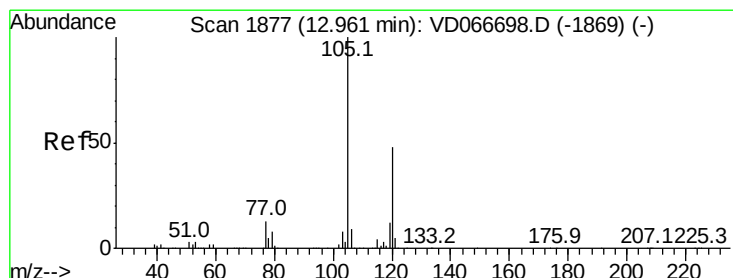
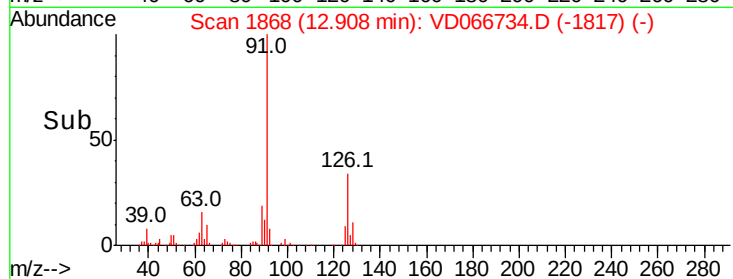
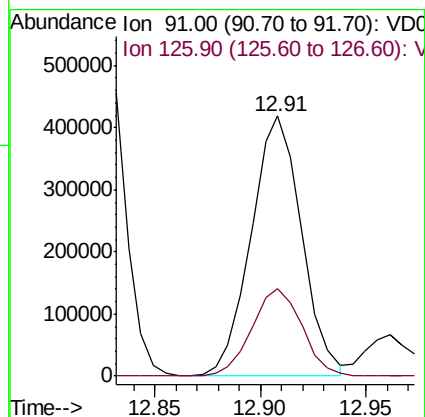
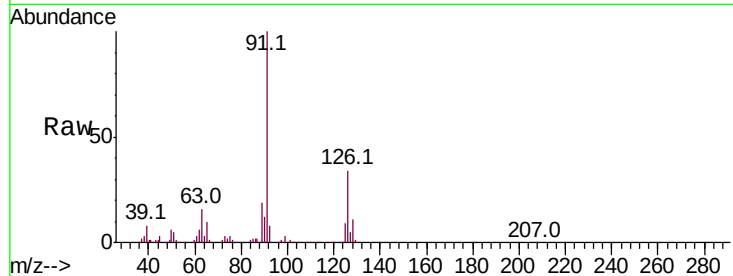




#79
 2-Chlorotoluene
 Concen: 47.876 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

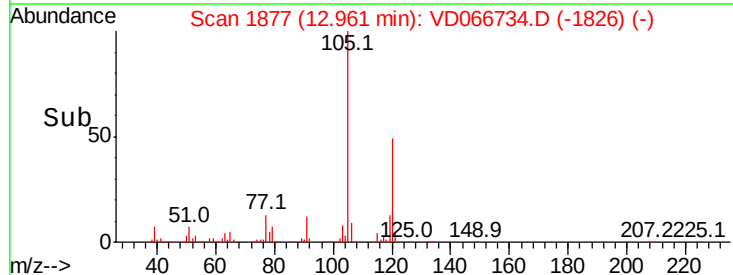
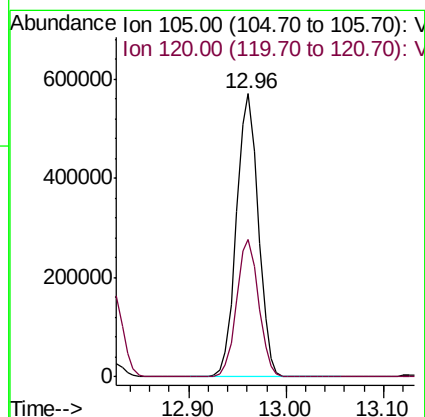
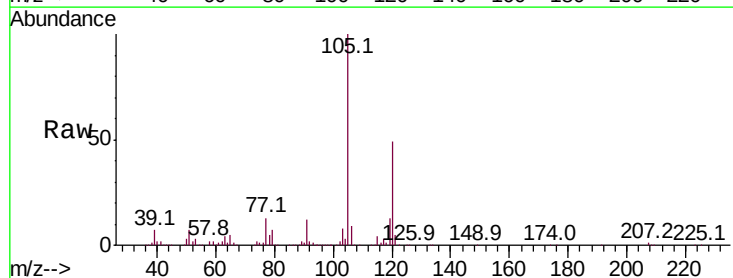
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

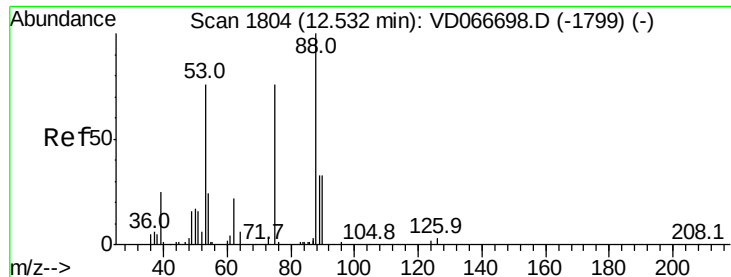
Tot Ion: 91 Resp: 694682
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 105 Resp: 889931
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.128 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

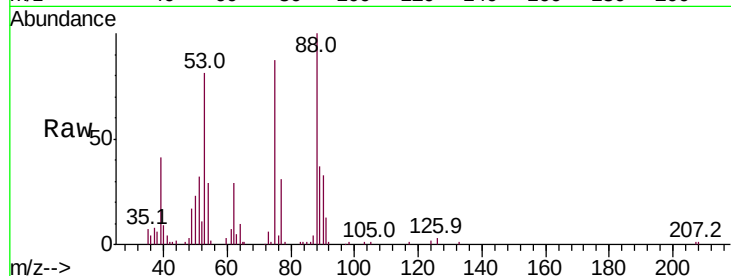
Tot Ion: 75 Resp: 54943

Ion Ratio Lower Upper

75 100

53 96.2 82.2 123.4

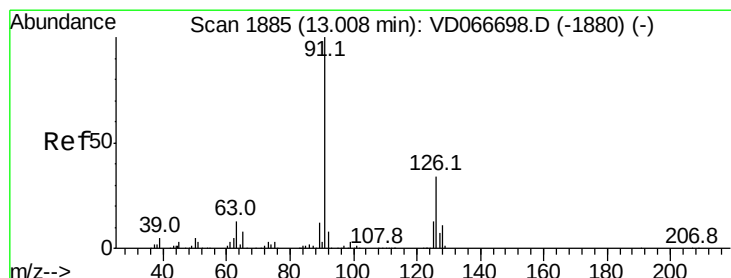
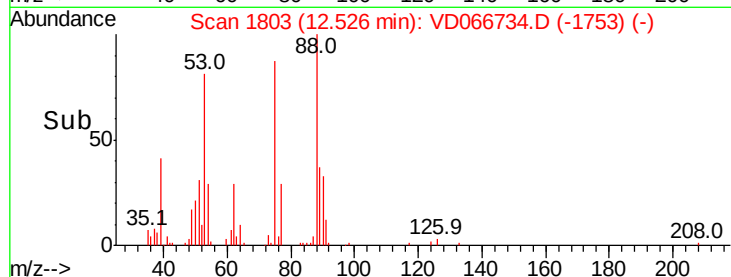
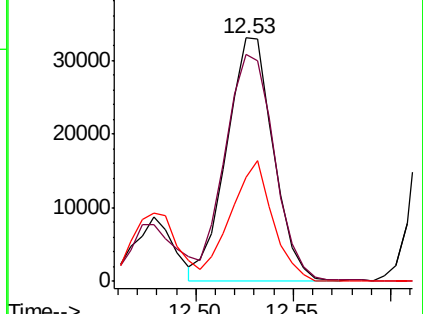
89 44.5 39.6 59.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.691 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066734.D

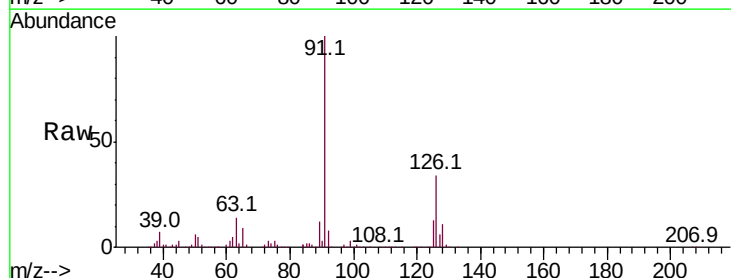
Acq: 17 Sep 2020 10:27

Tgt Ion: 91 Resp: 747028

Ion Ratio Lower Upper

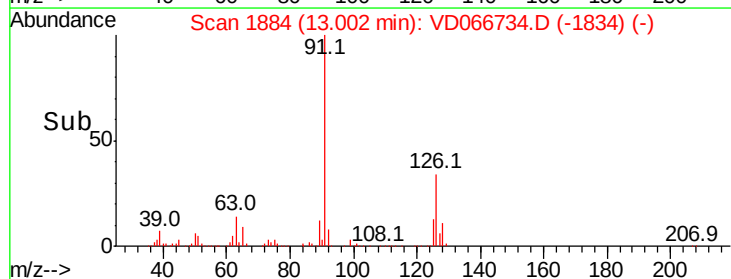
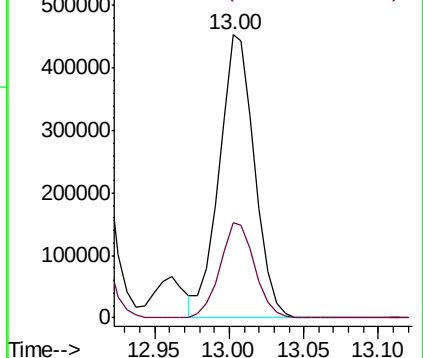
91 100

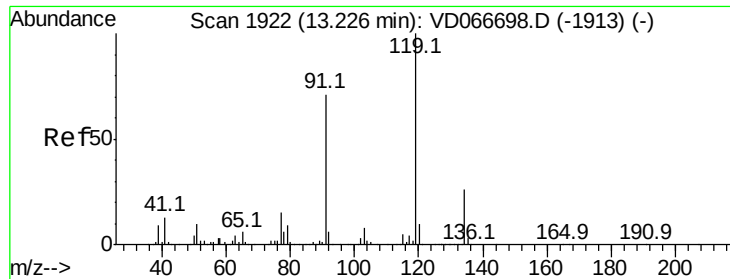
126 33.2 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

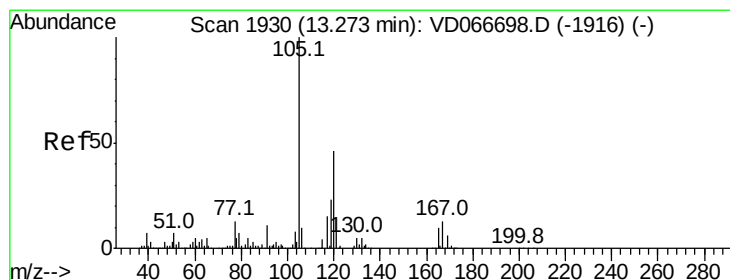
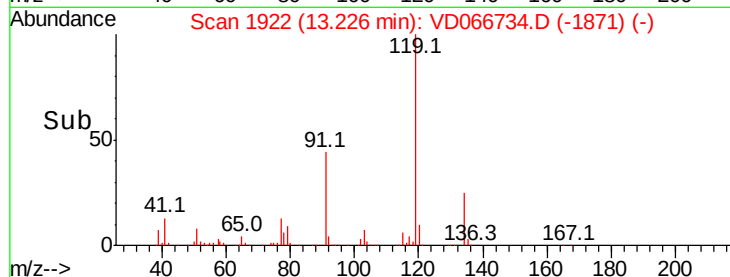
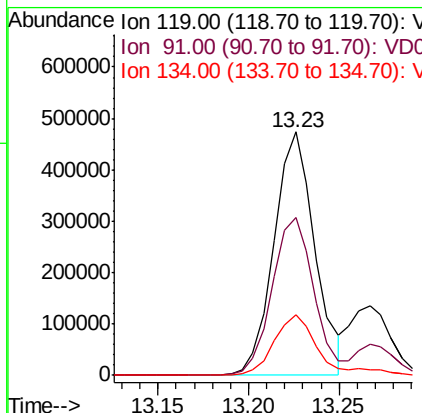
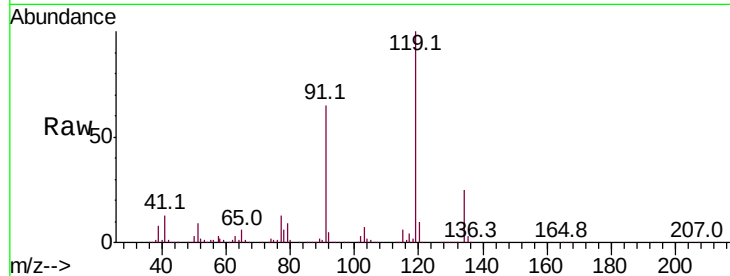




#83
 tert-Butylbenzene
 Concen: 50.866 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

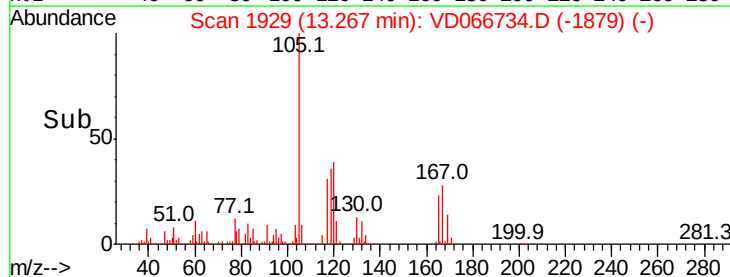
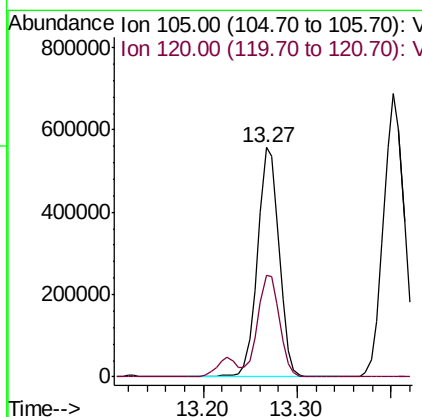
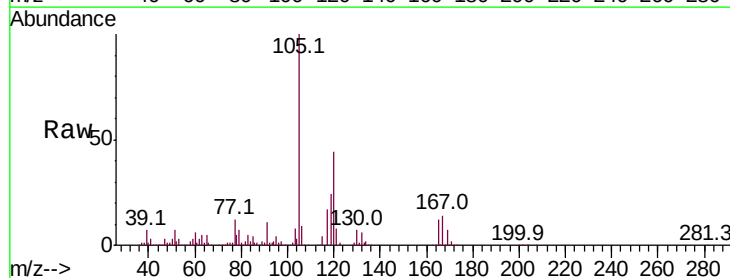
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

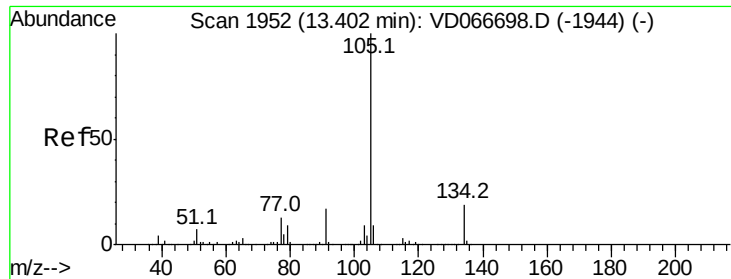
Tot Ion:119 Resp: 746194
 Ion Ratio Lower Upper
 119 100
 91 67.3 35.0 105.1
 134 26.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 49.632 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion:105 Resp: 882824
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.2





#85

sec-Butylbenzene

Concen: 50.311 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

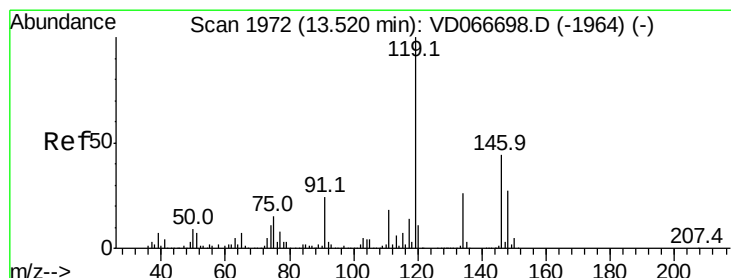
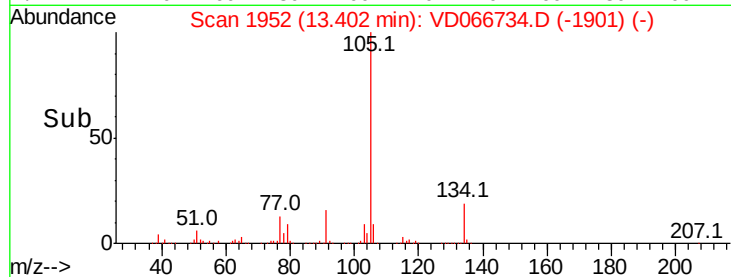
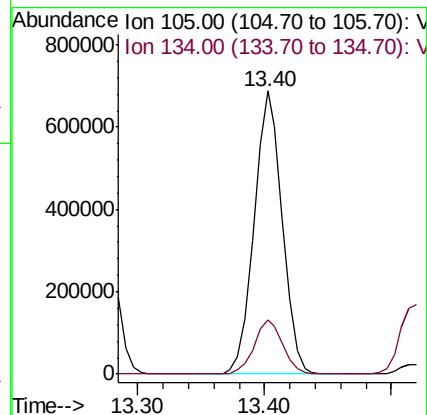
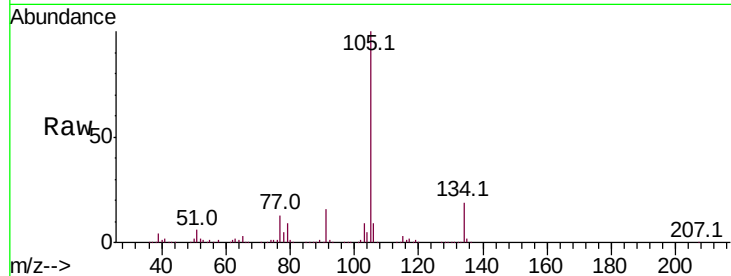
VSTDCCC050

Tot Ion:105 Resp: 1058098

Ion Ratio Lower Upper

105 100

134 19.6 10.0 30.0



#86

p-Isopropyltoluene

Concen: 51.602 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066734.D

Acq: 17 Sep 2020 10:27

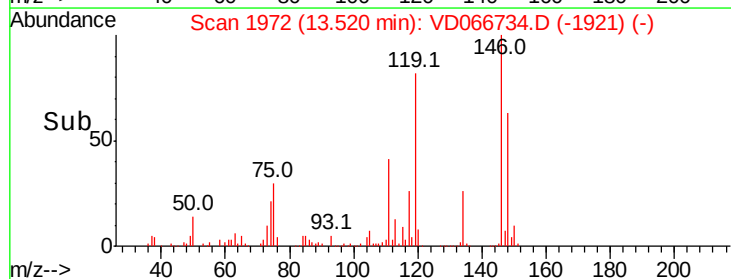
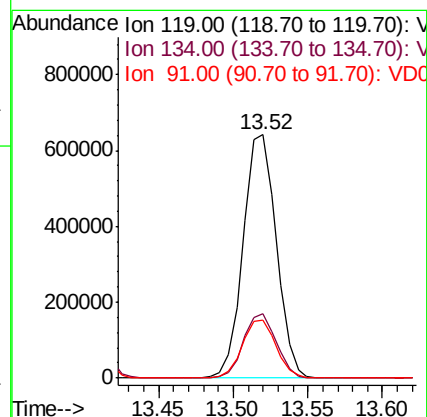
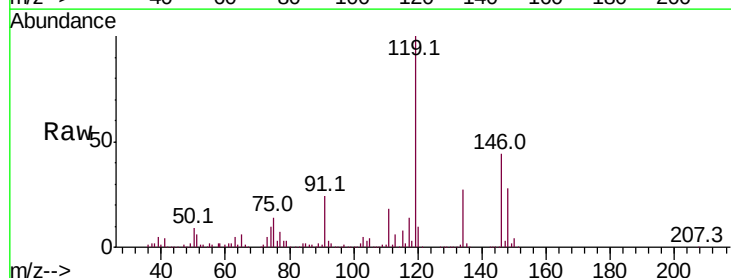
Tgt Ion:119 Resp: 986631

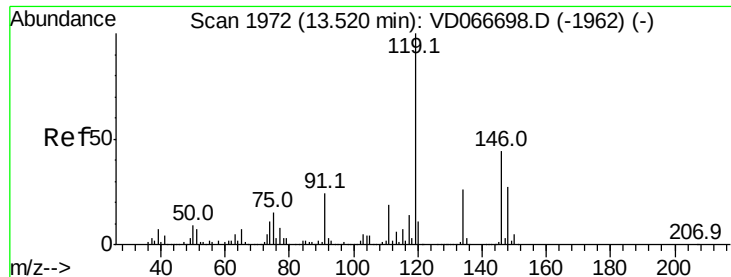
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 24.4 12.3 36.9

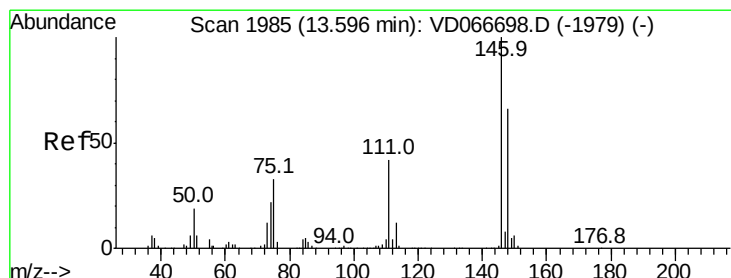
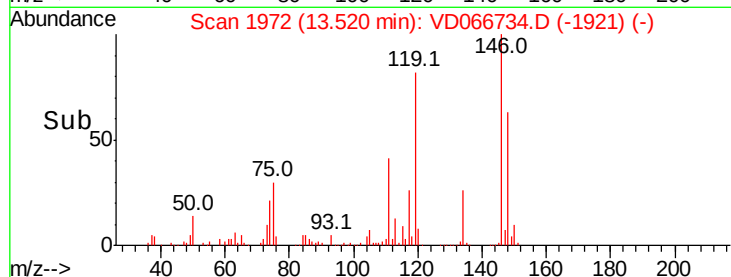
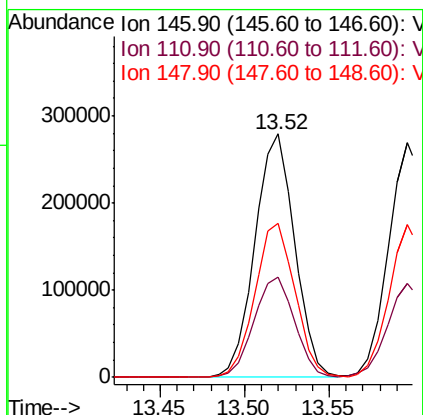
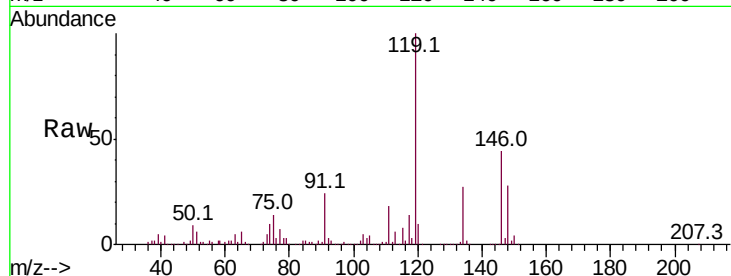




#87
 1,3-Dichlorobenzene
 Concen: 48.931 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

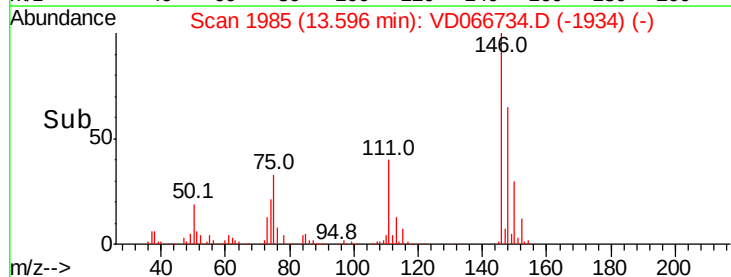
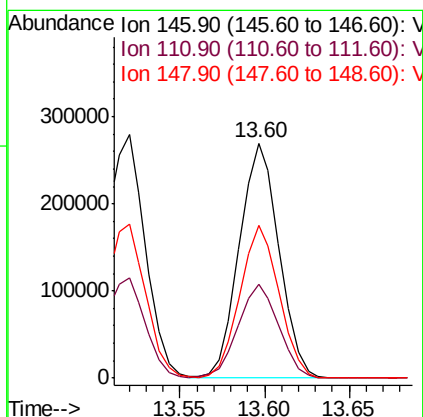
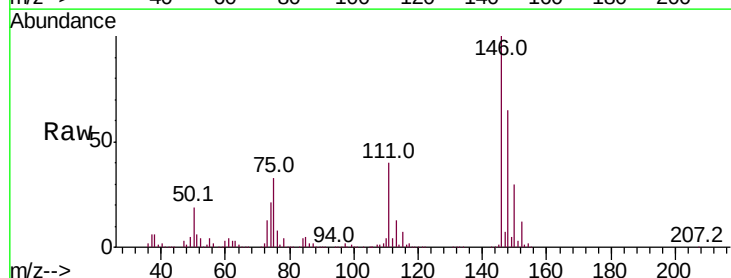
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

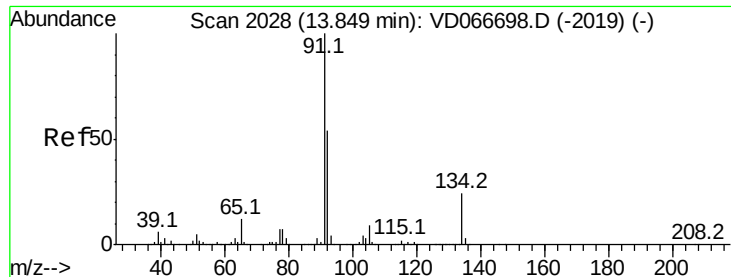
Tot Ion:146 Resp: 455463
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.3
 148 63.7 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 47.548 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion:146 Resp: 440729
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 64.0 32.7 98.1

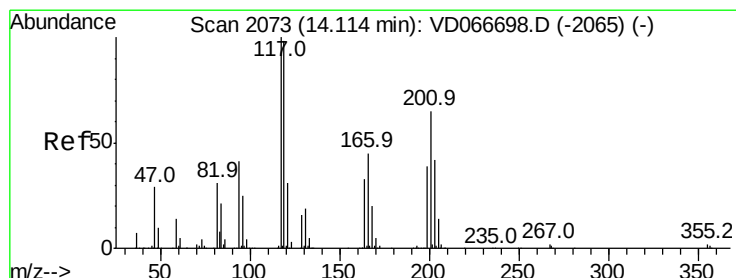
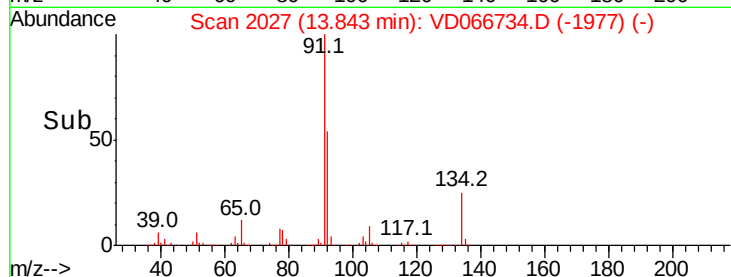
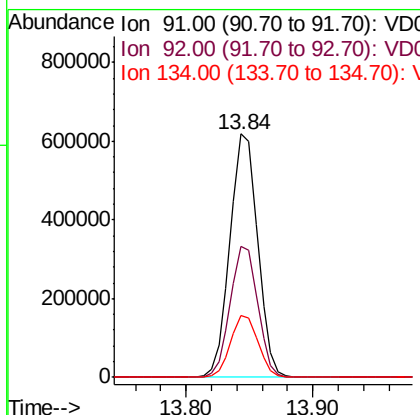
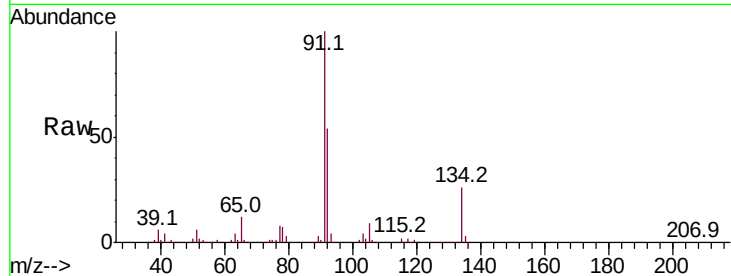




#89
n-Butylbenzene
Concen: 51.484 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

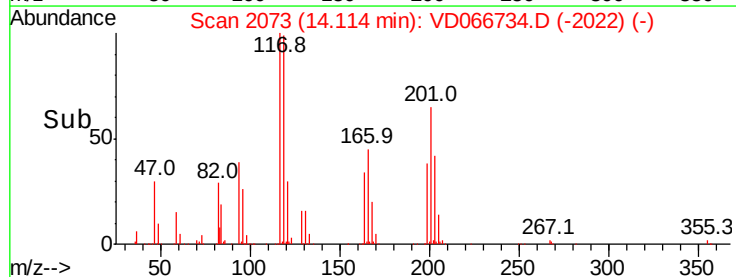
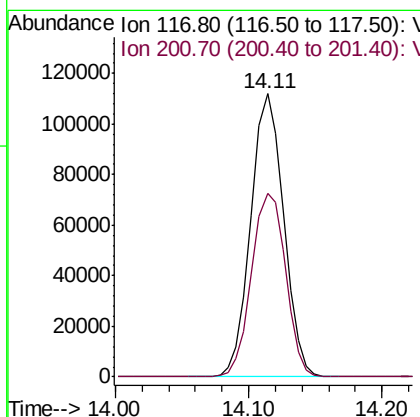
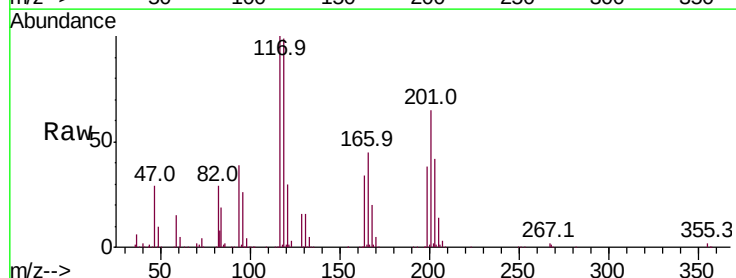
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

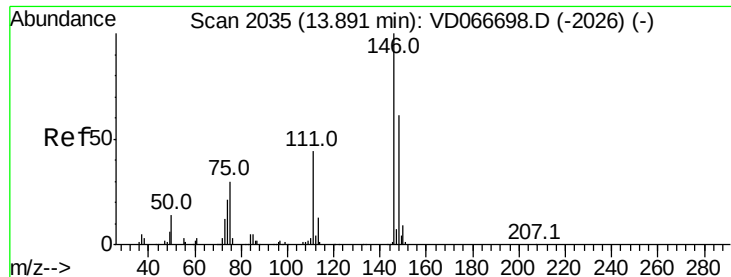
Tot Ion: 91 Resp: 936008
Ion Ratio Lower Upper
91 100
92 53.4 27.0 81.0
134 25.3 12.4 37.0



#90
Hexachloroethane
Concen: 48.561 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 117 Resp: 190735
Ion Ratio Lower Upper
117 100
201 67.4 33.1 99.3

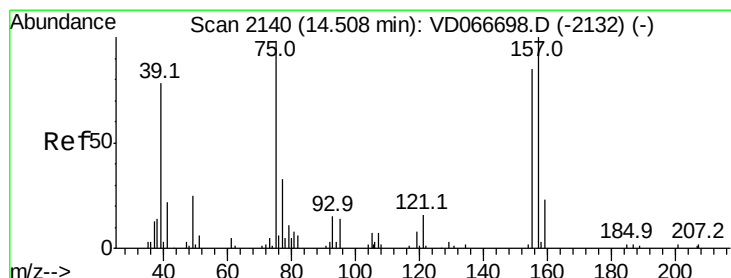
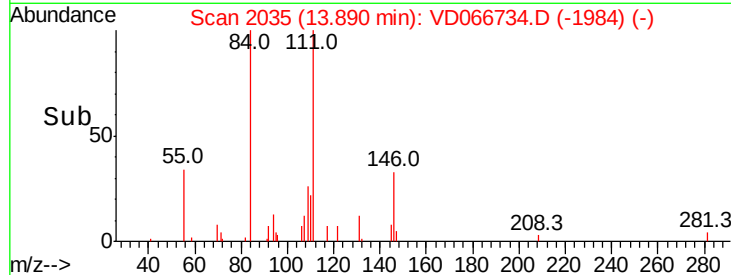
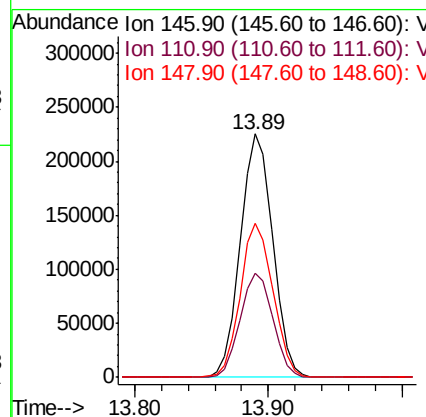
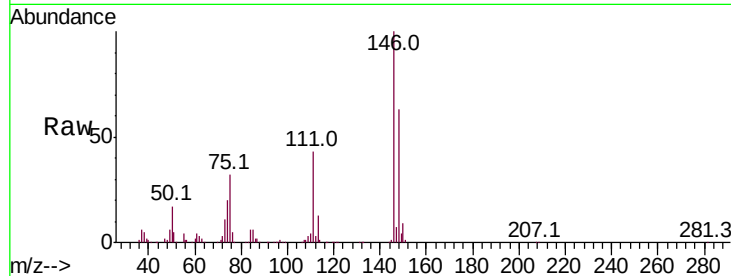




#91
 1,2-Dichlorobenzene
 Concen: 47.425 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

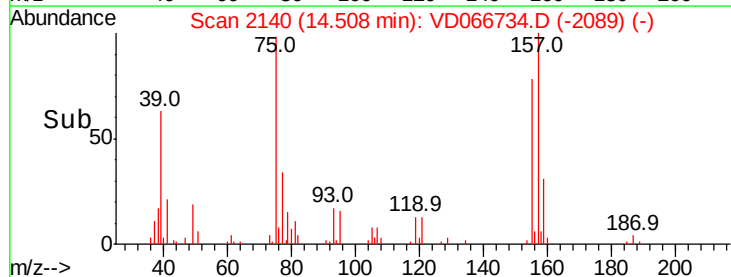
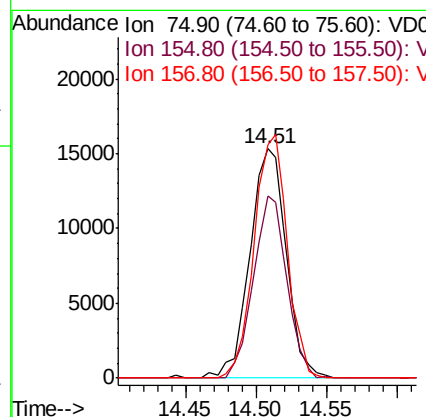
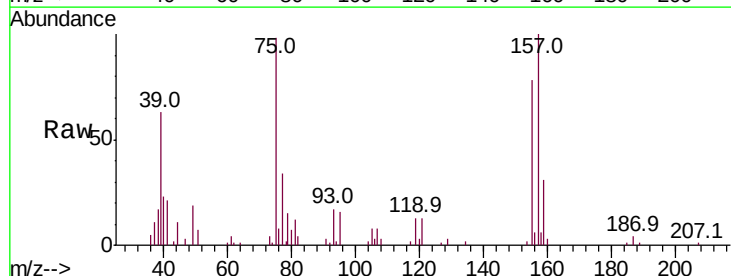
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

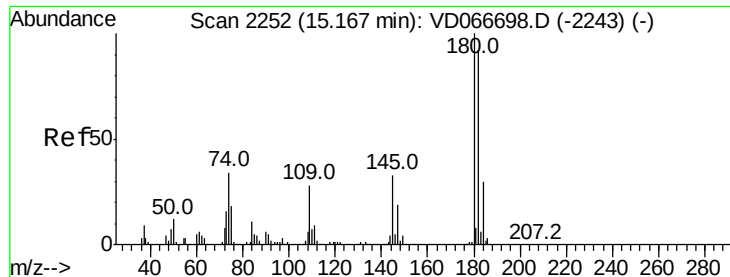
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.7	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.016 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.9	116.7
157	96.9	46.4	139.2

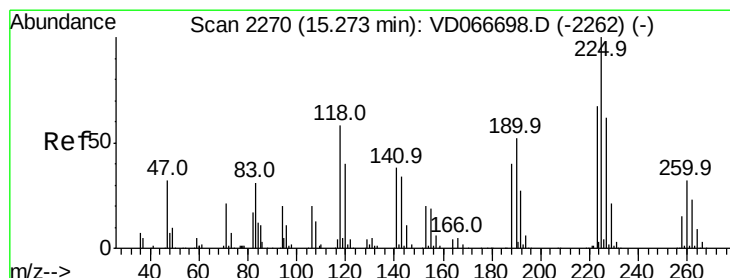
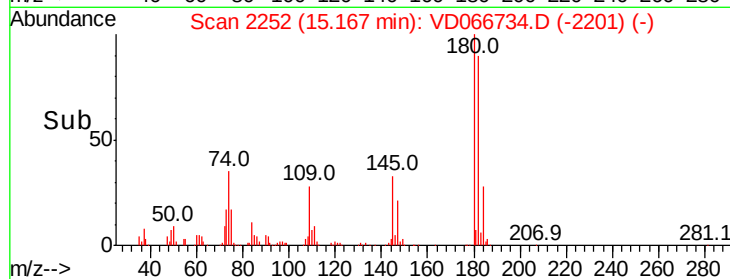
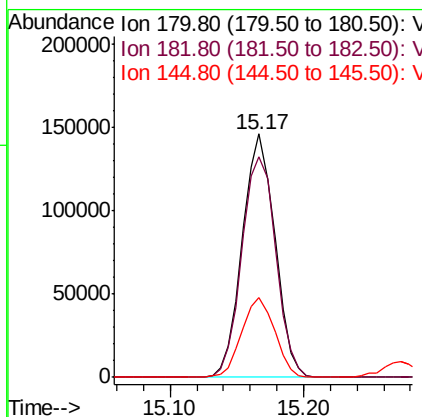
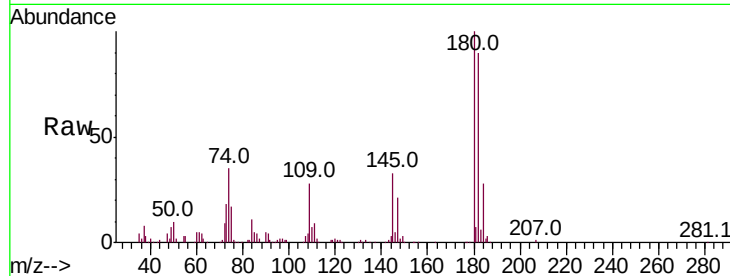




#93
 1,2,4-Trichlorobenzene
 Concen: 51.200 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

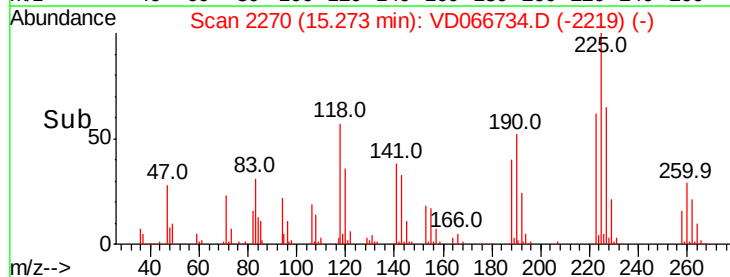
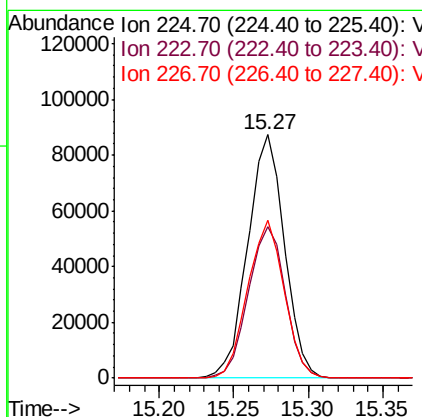
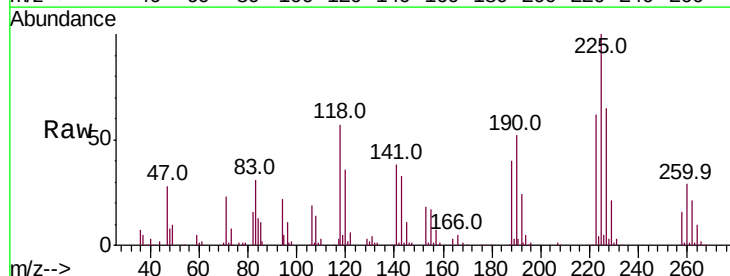
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

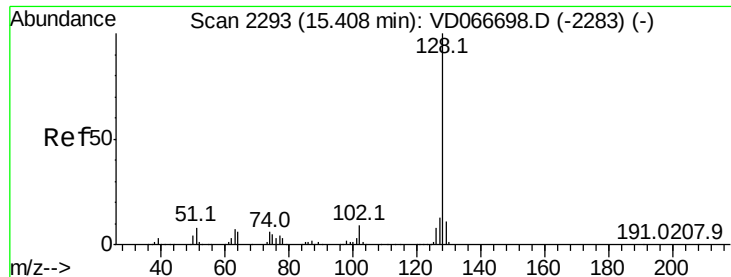
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.6	139.7
145	33.0	16.5	49.5



#94
 Hexachlorobutadiene
 Concen: 50.961 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066734.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.9
227	64.4	31.3	93.9

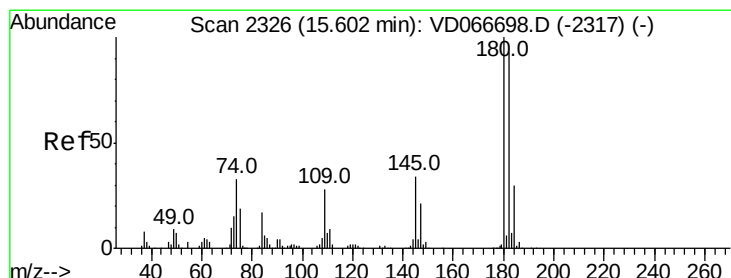
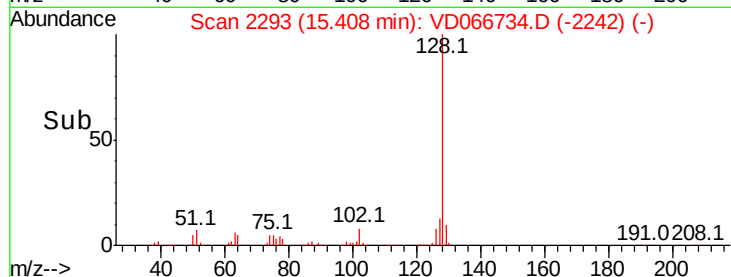
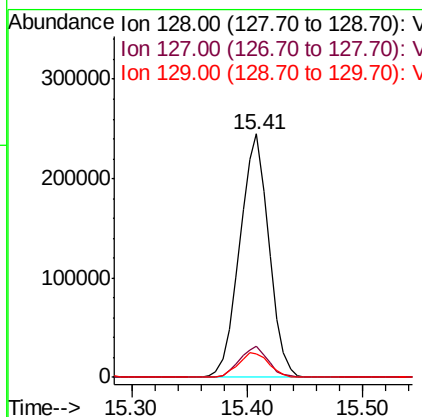
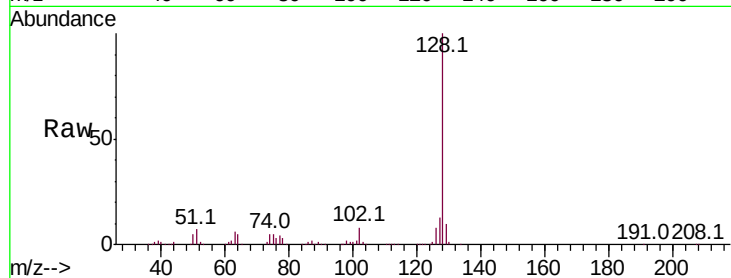




#95
Naphthalene
Concen: 50.878 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 428817
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.766 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066734.D
Acq: 17 Sep 2020 10:27

Tgt Ion:180 Resp: 209691
Ion Ratio Lower Upper
180 100
182 94.8 46.6 139.8
145 33.3 17.1 51.3

