

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066755.D
 Acq On : 17 Sep 2020 20:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 18 01:17:30 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	7.98	168	379984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	649393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	611603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222170	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	215253	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
50) Toluene-d8	10.34	98	768031	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.63	95	261050	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130937	46.170	ug/l	99
3) Chloromethane	2.21	50	193676	46.838	ug/l	97
4) Vinyl Chloride	2.35	62	190249	43.962	ug/l	94
5) Bromomethane	2.77	94	137146	44.674	ug/l	97
6) Chloroethane	2.92	64	123373	45.762	ug/l #	87
7) Trichlorofluoromethane	3.27	101	336294	44.990	ug/l	99
8) Diethyl Ether	3.71	74	102835	54.941	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	184718	44.967	ug/l	99
10) Methyl Iodide	4.30	142	183813	47.161	ug/l	100
11) Tert butyl alcohol	5.22	59	74130	293.579	ug/l	98
12) 1,1-Dichloroethene	4.07	96	182093	47.892	ug/l	97
13) Acrolein	3.93	56	74906	261.970	ug/l	99
14) Allyl chloride	4.72	41	305123	49.970	ug/l	99
15) Acrylonitrile	5.42	53	232286	283.294	ug/l	99
16) Acetone	4.16	43	184957	224.029	ug/l	100
17) Carbon Disulfide	4.41	76	593954	49.714	ug/l	99
18) Methyl Acetate	4.72	43	104657	60.121	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	479720	56.645	ug/l	98
20) Methylene Chloride	4.97	84	237566	54.141	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	229083	51.715	ug/l	97
22) Diisopropyl ether	6.36	45	683197	55.065	ug/l	95
23) Vinyl Acetate	6.31	43	1990847	288.469	ug/l	96
24) 1,1-Dichloroethane	6.26	63	406934	51.686	ug/l	99
25) 2-Butanone	7.21	43	292494	272.077	ug/l	96
26) 2,2-Dichloropropane	7.21	77	318887	43.800	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	256983	53.028	ug/l	99
28) Bromochloromethane	7.55	49	159767	54.328	ug/l	98
29) Tetrahydrofuran	7.56	42	192169	292.163	ug/l	95
30) Chloroform	7.71	83	440823	52.608	ug/l	99
31) Cyclohexane	7.98	56	327240	45.695	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	380394	49.610	ug/l	99
36) 1,1-Dichloropropene	8.11	75	317043	47.485	ug/l	99
37) Ethyl Acetate	7.29	43	135720	53.695	ug/l	97
38) Carbon Tetrachloride	8.09	117	326411	46.036	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	358357	46.924	ug/l	99
40) Benzene	8.35	78	918062	50.825	ug/l	99
41) Methacrylonitrile	7.56	41	191044	142.767	ug/l #	29
42) 1,2-Dichloroethane	8.42	62	282439	50.470	ug/l	98
43) Isopropyl Acetate	8.45	43	261863	55.041	ug/l	99
44) Trichloroethene	9.11	130	240977	49.896	ug/l	97
45) 1,2-Dichloropropane	9.38	63	234674	52.552	ug/l	98
46) Dibromomethane	9.47	93	133572	54.434	ug/l	99
47) Bromodichloromethane	9.66	83	348312	52.092	ug/l	99
48) Methyl methacrylate	9.45	41	128559	53.125	ug/l	92
49) 1,4-Dioxane	9.46	88	30145	1146.839	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	692457	282.711	ug/l	99
52) Toluene	10.40	92	600014	51.853	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	308129	51.585	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	367557	51.807	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	171405	52.980	ug/l	96
56) Ethyl methacrylate	10.66	69	215781	58.773	ug/l	98
57) 1,3-Dichloropropane	10.94	76	301417	53.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	447368	277.444	ug/l	98
59) 2-Hexanone	10.98	43	464259	282.096	ug/l	97
60) Dibromochloromethane	11.14	129	228874	54.293	ug/l	99
61) 1,2-Dibromoethane	11.24	107	171625	55.301	ug/l	99
64) Tetrachloroethene	10.87	164	197654	47.342	ug/l	94
65) Chlorobenzene	11.67	112	626013	49.437	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	239415	51.244	ug/l	98
67) Ethyl Benzene	11.74	91	1134230	49.451	ug/l	100
68) m/p-Xylenes	11.85	106	865369	99.826	ug/l	98
69) o-Xylene	12.18	106	400801	52.320	ug/l	97
70) Styrene	12.20	104	701177	52.005	ug/l	99
71) Bromoform	12.36	173	122747	52.350	ug/l #	99
73) Isopropylbenzene	12.48	105	1074894	51.545	ug/l	100
74) N-amyl acetate	12.29	43	238216	54.153	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	185375	52.313	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	245805	102.801	ug/l #	100
77) Bromobenzene	12.76	156	241114	50.165	ug/l	99
78) n-propylbenzene	12.82	91	1267234	49.850	ug/l	98
79) 2-Chlorotoluene	12.91	91	715939	49.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	889244	50.433	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	56042	50.583	ug/l	99
82) 4-Chlorotoluene	13.01	91	752567	49.515	ug/l	99
83) tert-Butylbenzene	13.23	119	739948	50.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	909617	51.621	ug/l	99
85) sec-Butylbenzene	13.40	105	1037927	49.818	ug/l	99
86) p-Isopropyltoluene	13.52	119	952937	50.311	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	468903	50.850	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	454387	49.484	ug/l	99
89) n-Butylbenzene	13.84	91	883231	49.039	ug/l	97
90) Hexachloroethane	14.11	117	193282	49.674	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	402045	50.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30323	52.936	ug/l	92

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QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

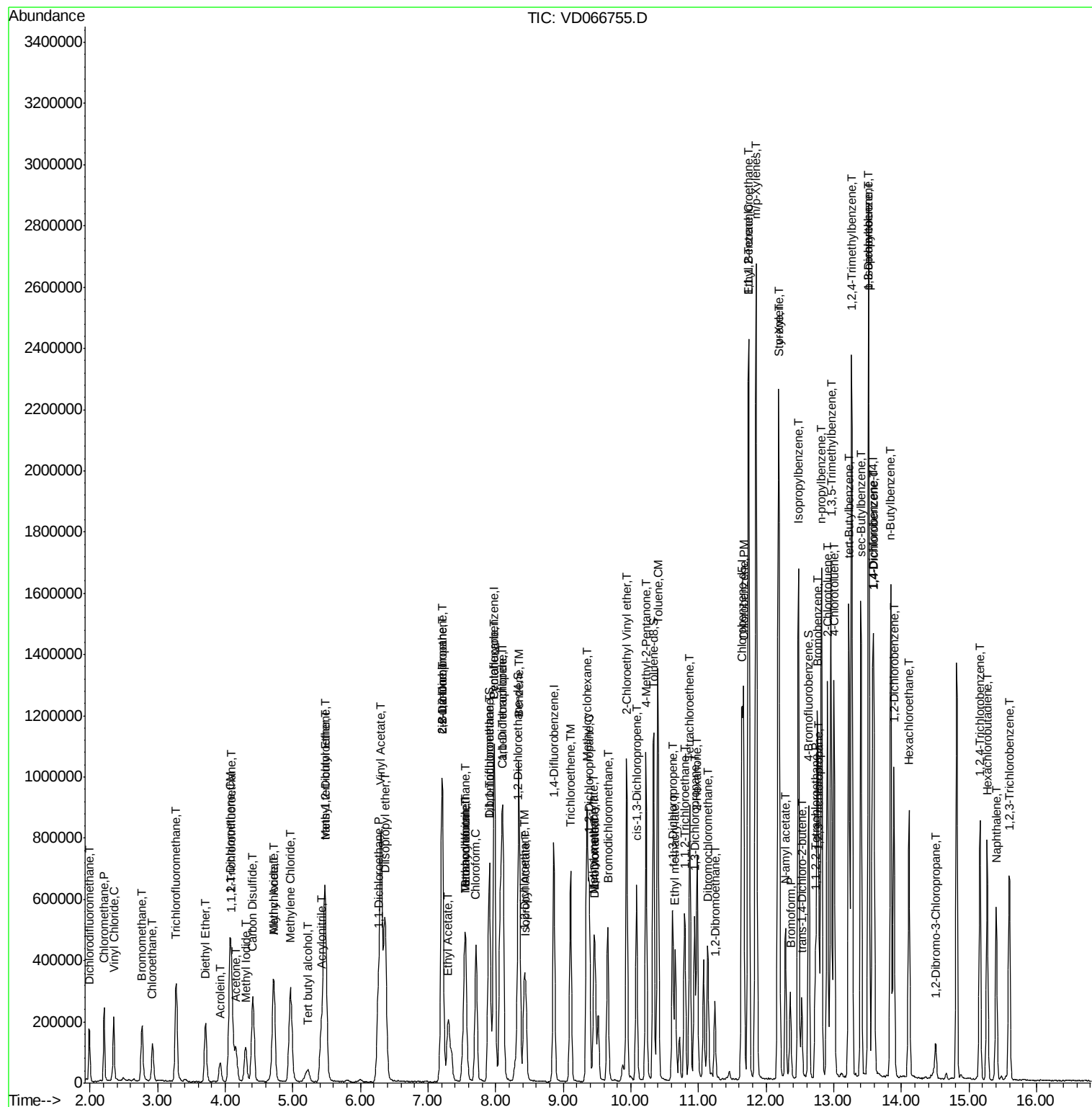
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	251082	52.540	ug/l	99
94) Hexachlorobutadiene	15.27	225	132514	46.024	ug/l	99
95) Naphthalene	15.40	128	499804	59.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	218110	52.253	ug/l	98

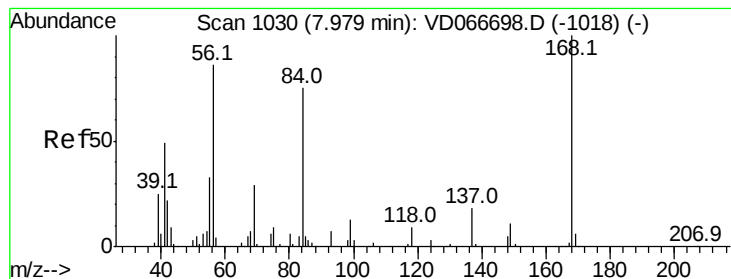
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

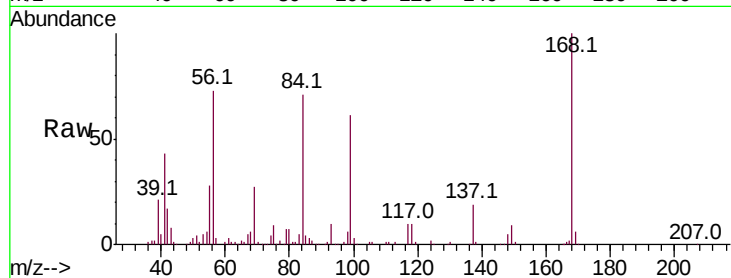
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 379984

Ion Ratio Lower Upper

168 100

99 60.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

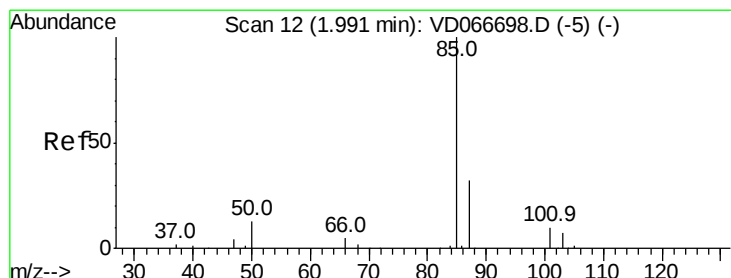
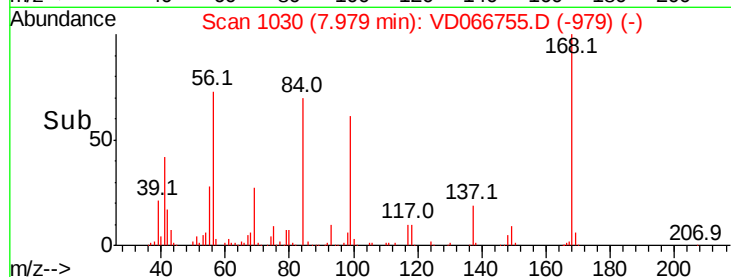
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.170 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD066755.D

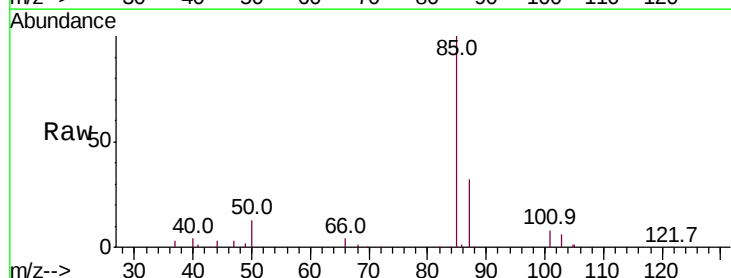
Acq: 17 Sep 2020 20:08

Tgt Ion: 85 Resp: 130937

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

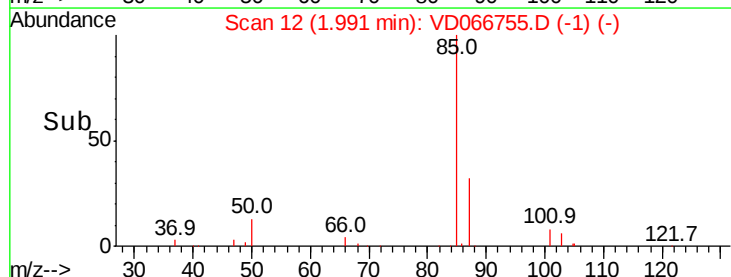
40000

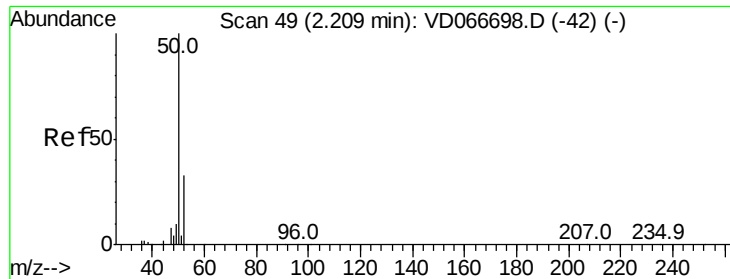
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.838 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

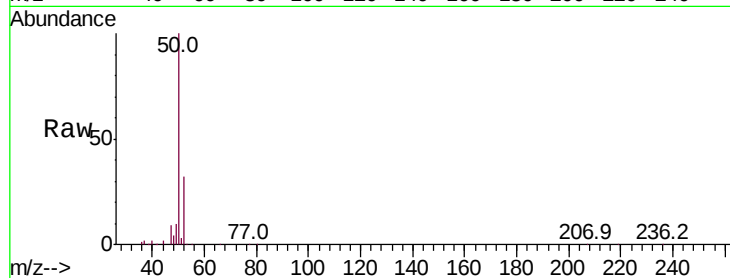
VSTDCCC050EC

Tot Ion: 50 Resp: 193676

Ion Ratio Lower Upper

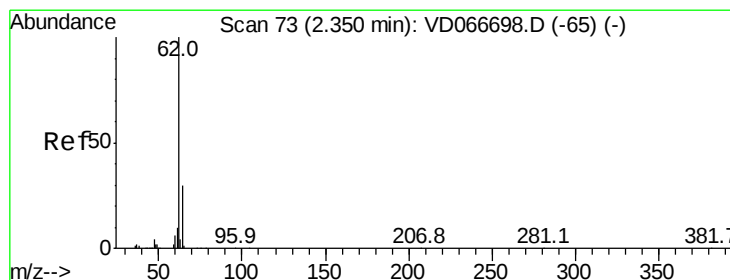
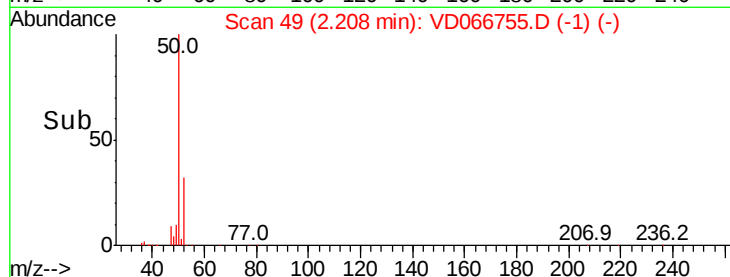
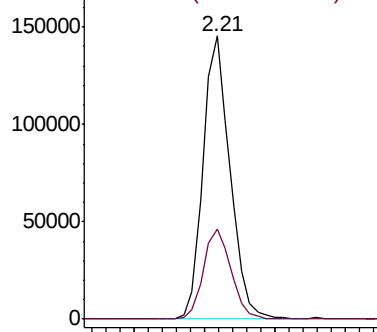
50 100

52 31.9 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.962 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066755.D

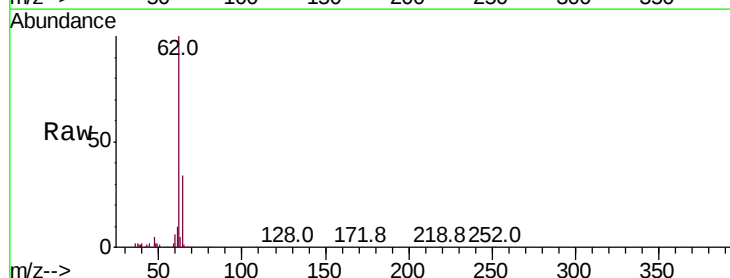
Acq: 17 Sep 2020 20:08

Tgt Ion: 62 Resp: 190249

Ion Ratio Lower Upper

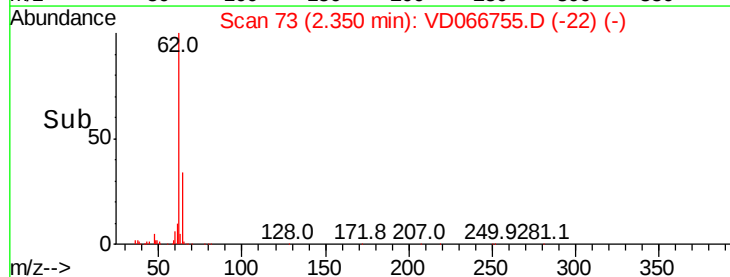
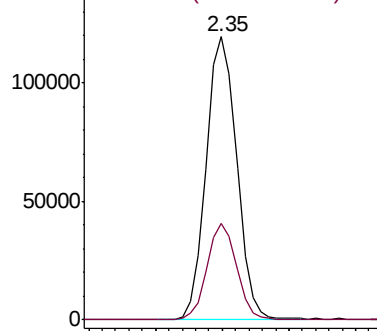
62 100

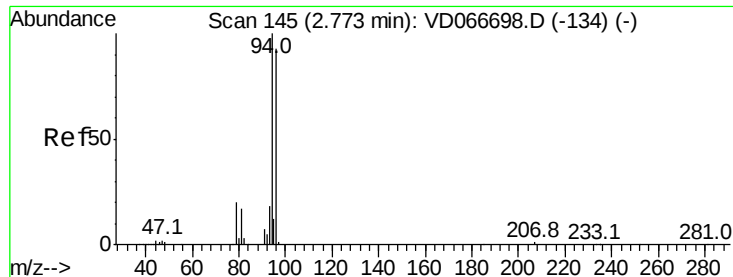
64 34.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.674 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

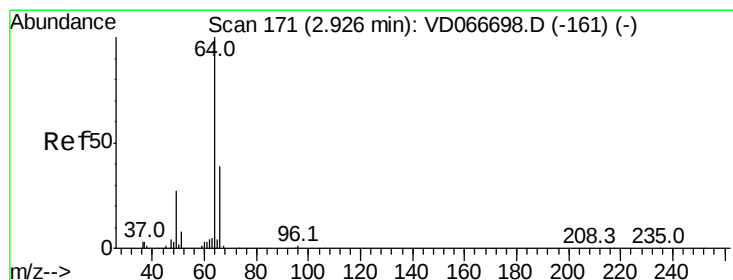
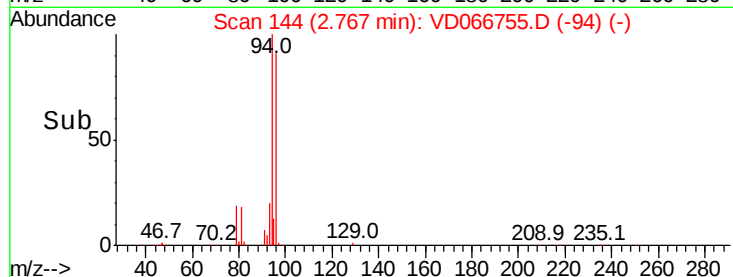
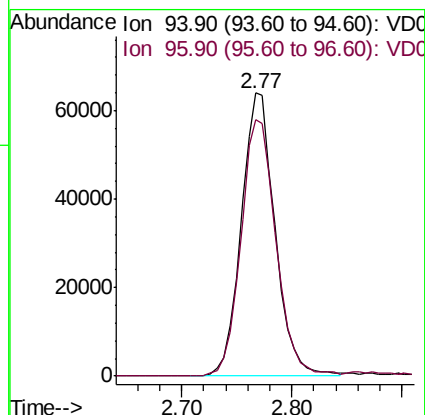
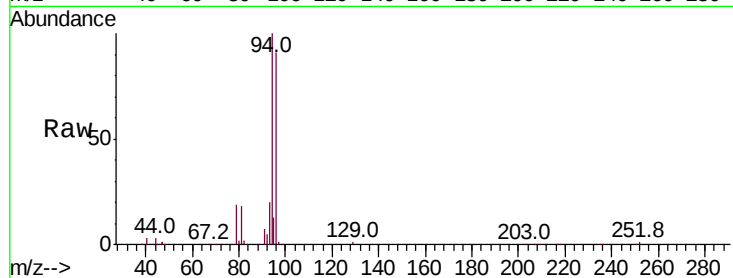
VSTDCCC050EC

Tot Ion: 94 Resp: 137146

Ion Ratio Lower Upper

94 100

96 90.7 74.7 112.1



#6

Chloroethane

Concen: 45.762 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066755.D

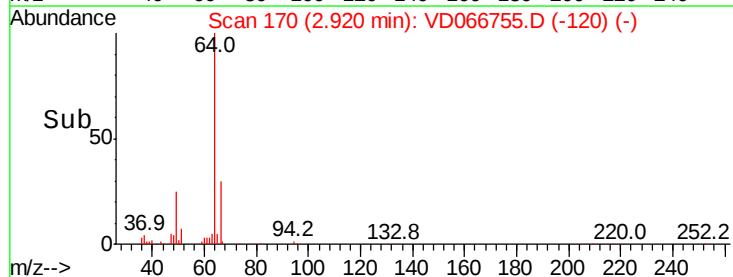
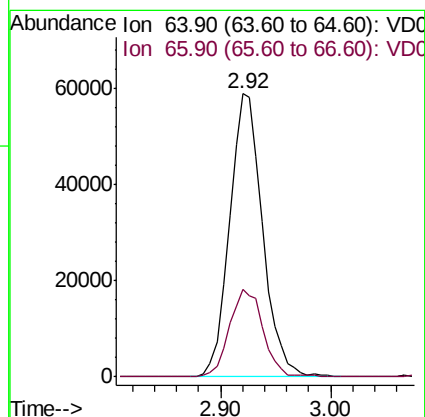
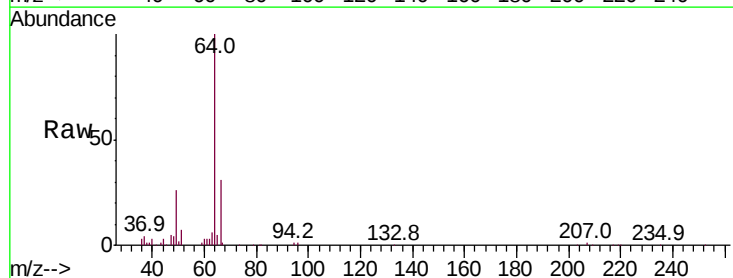
Acq: 17 Sep 2020 20:08

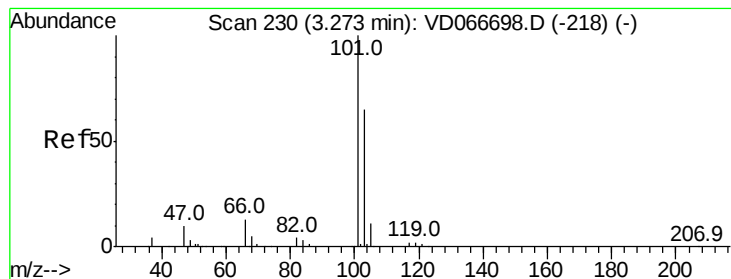
Tgt Ion: 64 Resp: 123373

Ion Ratio Lower Upper

64 100

66 30.8 30.9 46.3#



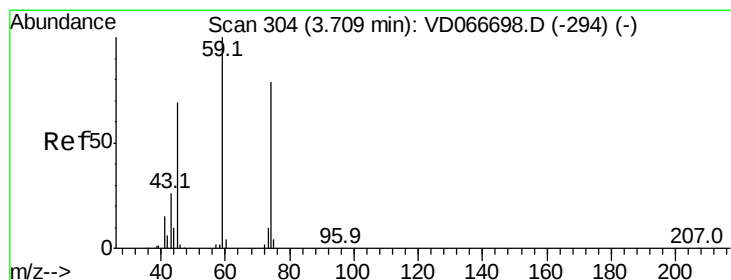
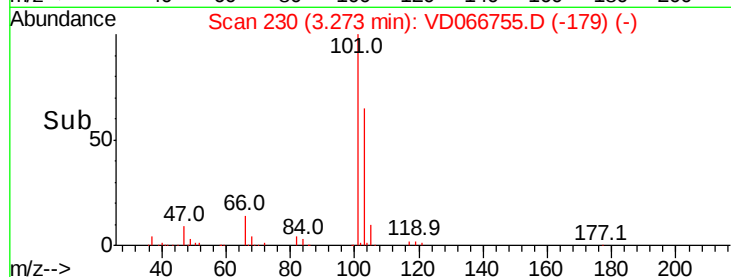
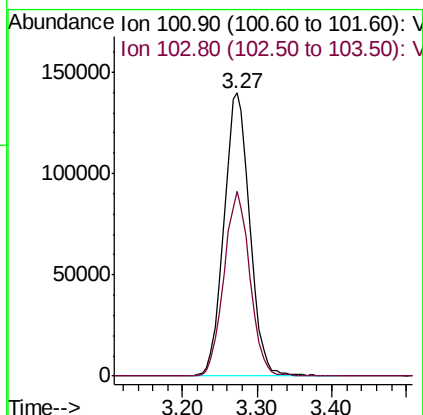
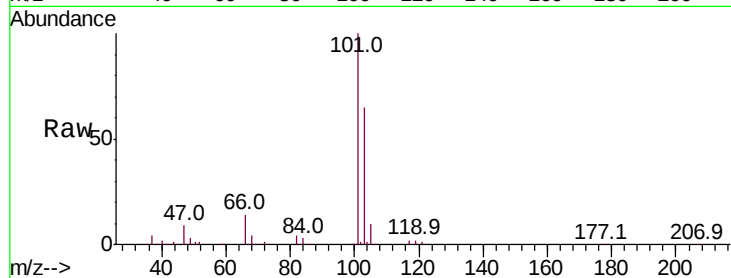


#7

Trichlorofluoromethane
 Concen: 44.990 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Instrument :
 MSVOA_D
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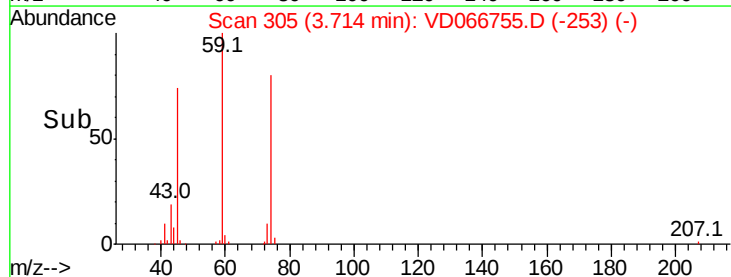
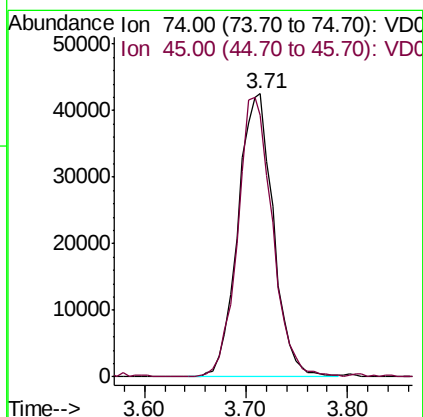
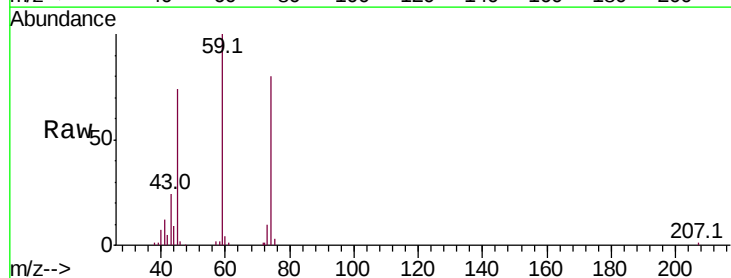
Tot Ion:101 Resp: 336294
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.8

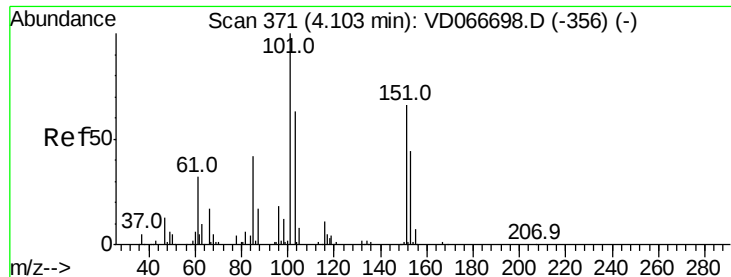


#8

Diethyl Ether
 Concen: 54.941 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion: 74 Resp: 102835
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.967 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

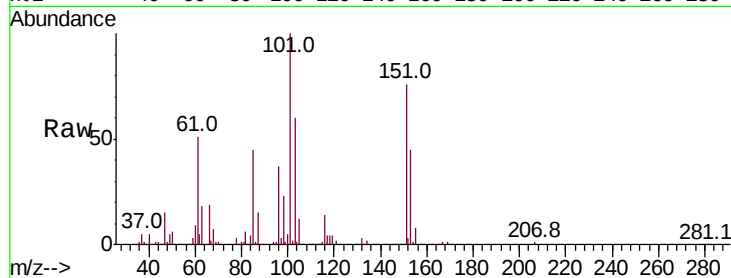
Tot Ion:101 Resp: 184718

Ion Ratio Lower Upper

101 100

85 45.5 36.3 54.5

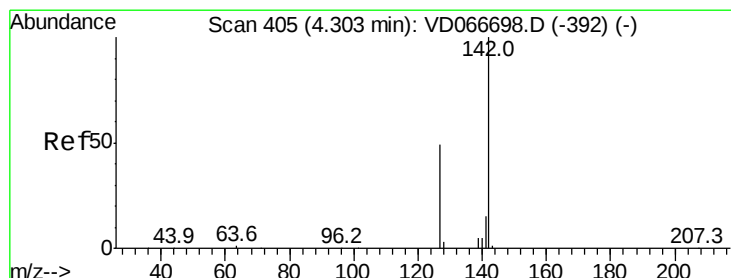
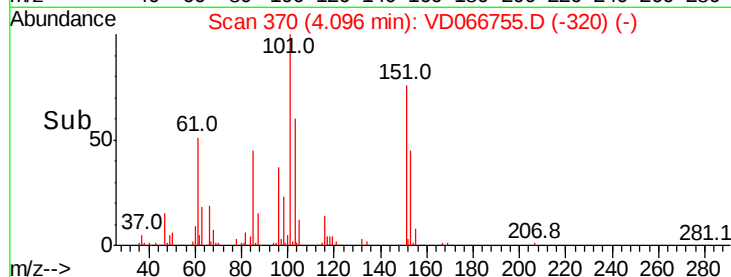
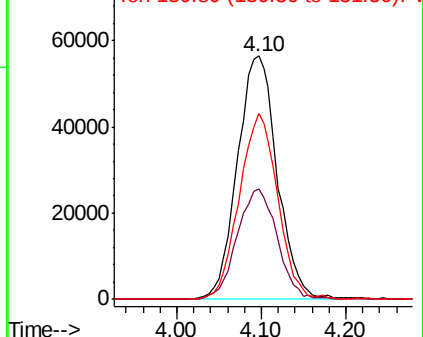
151 73.7 58.0 87.0



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: 47.161 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

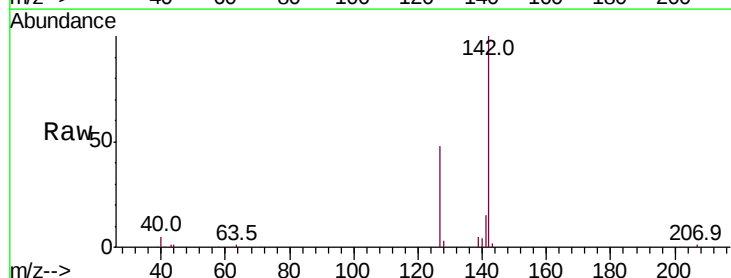
Tgt Ion:142 Resp: 183813

Ion Ratio Lower Upper

142 100

127 48.8 39.0 58.4

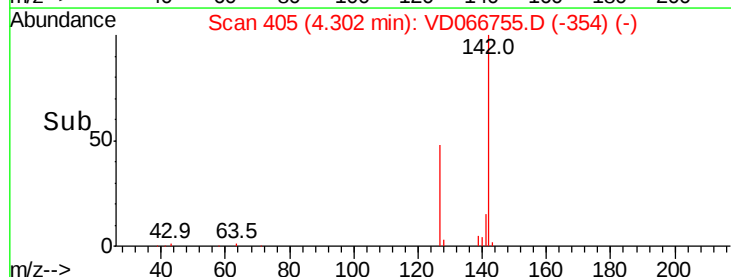
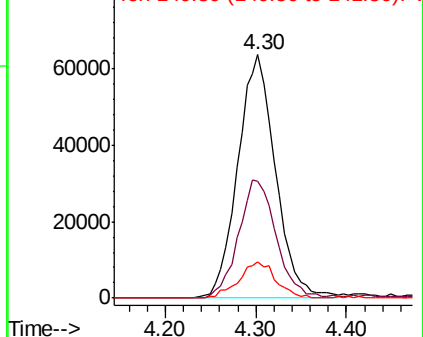
141 14.7 11.7 17.5

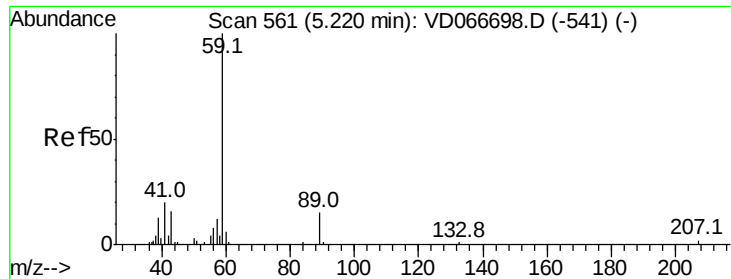


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



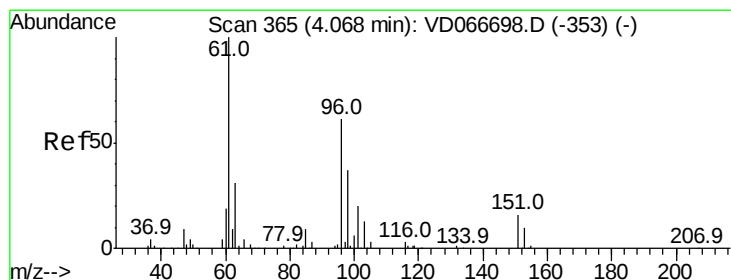
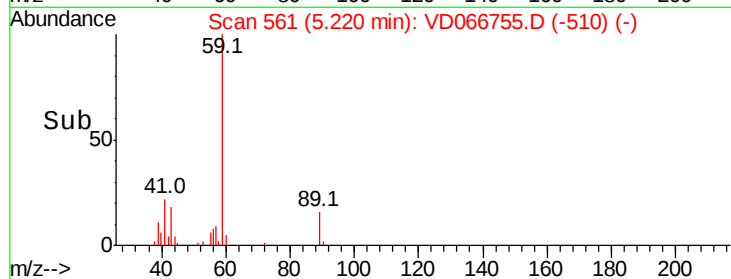
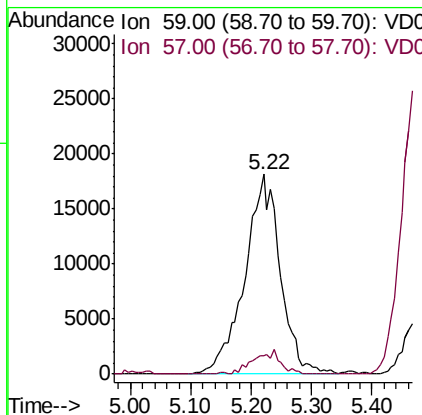
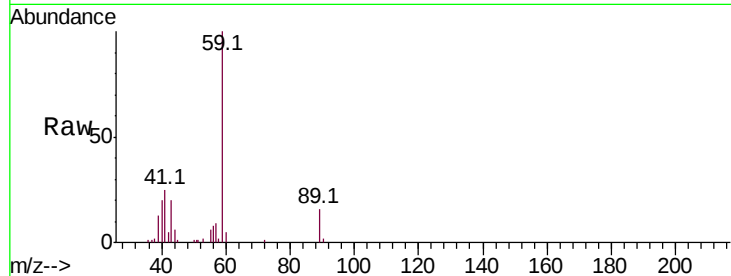


#11

Tert butyl alcohol
 Concen: 293.579 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

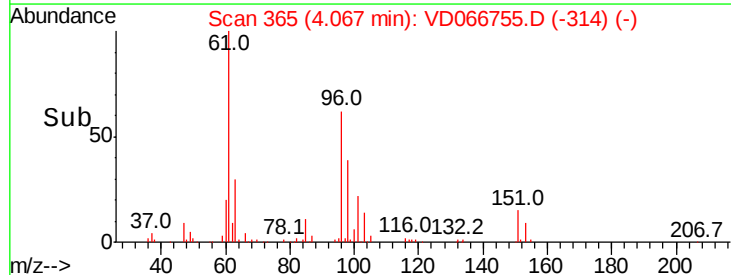
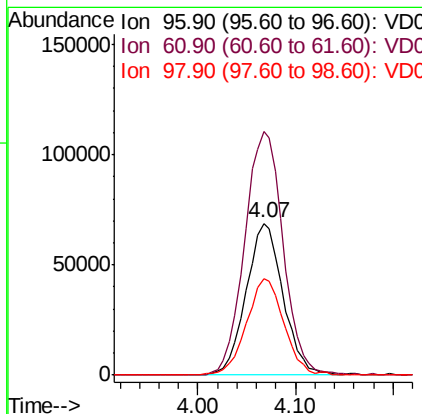
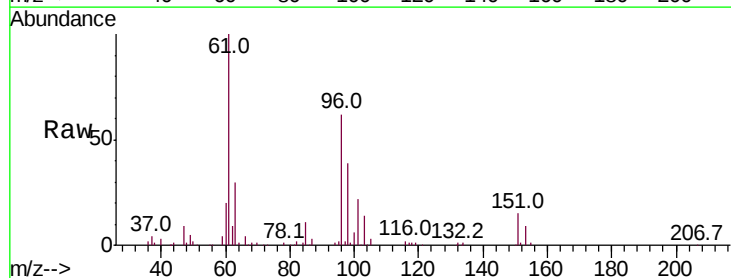
Tot Ion: 59 Resp: 74130
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.7 10.1

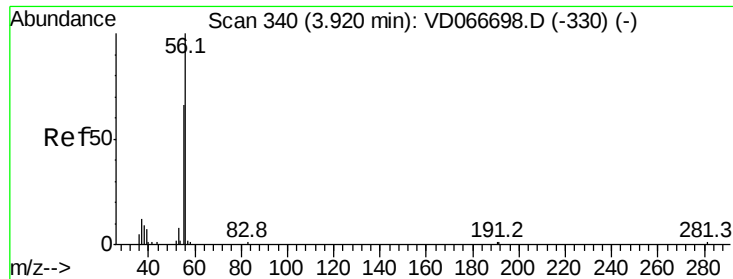


#12

1,1-Dichloroethene
 Concen: 47.892 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion: 96 Resp: 182093
 Ion Ratio Lower Upper
 96 100
 61 160.4 131.9 197.9
 98 63.2 49.1 73.7





#13

Acrolein

Concen: 261.970 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

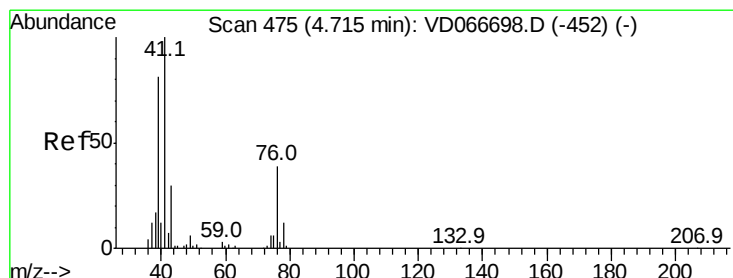
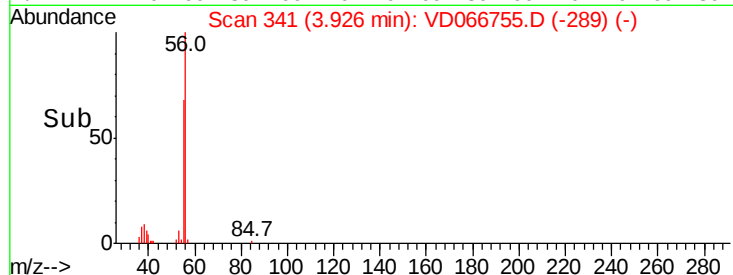
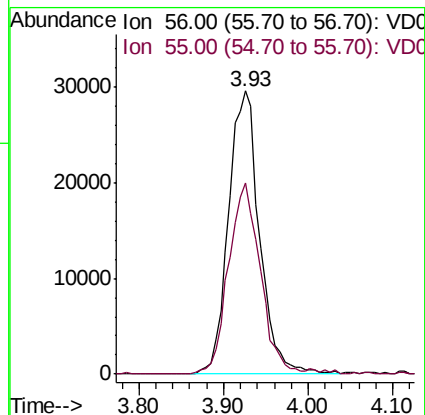
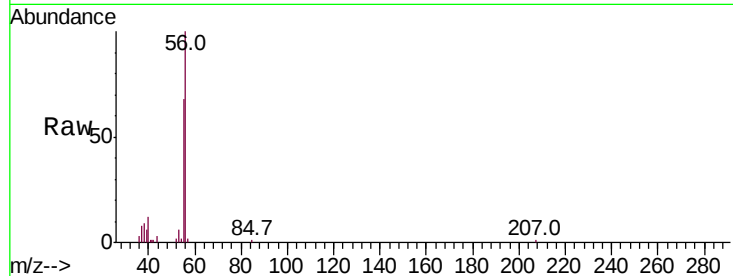
VSTDCCC050EC

Tot Ion: 56 Resp: 74906

Ion Ratio Lower Upper

56 100

55 69.3 54.7 82.1



#14

Allyl chloride

Concen: 49.970 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

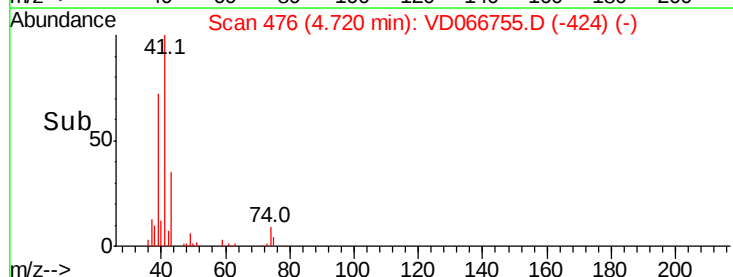
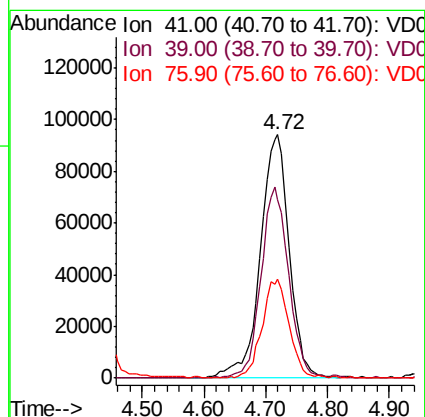
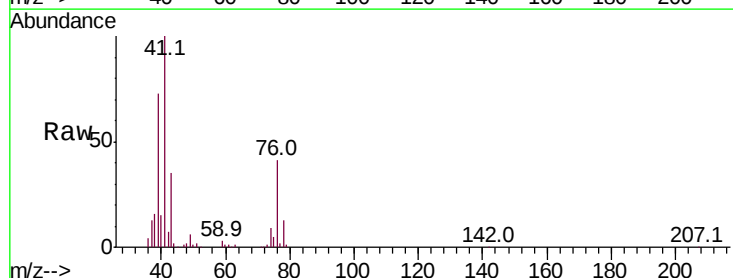
Tgt Ion: 41 Resp: 305123

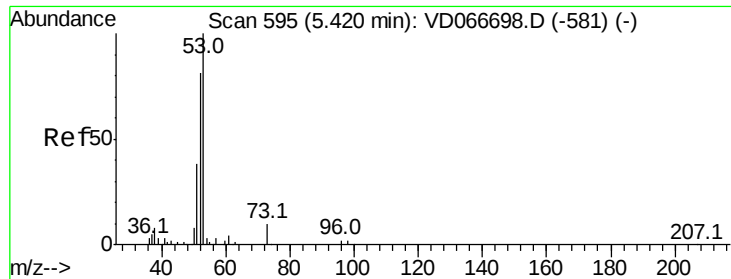
Ion Ratio Lower Upper

41 100

39 75.0 60.6 90.8

76 38.3 29.2 43.8





#15

Acrylonitrile

Concen: 283.294 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

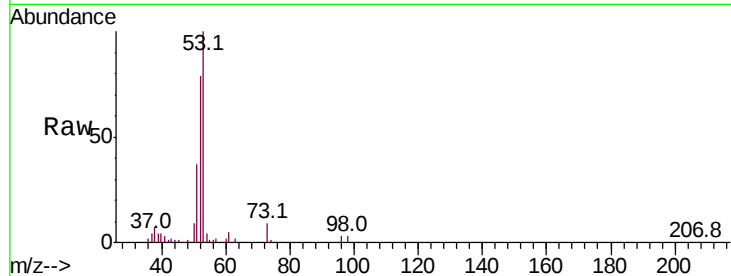
Tot Ion: 53 Resp: 232286

Ion Ratio Lower Upper

53 100

52 82.0 66.6 99.8

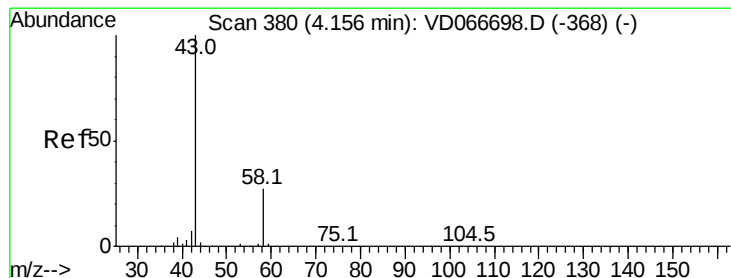
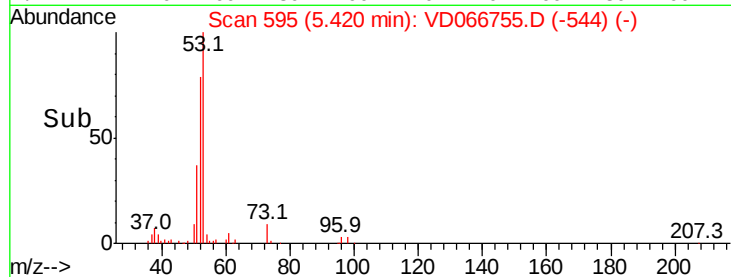
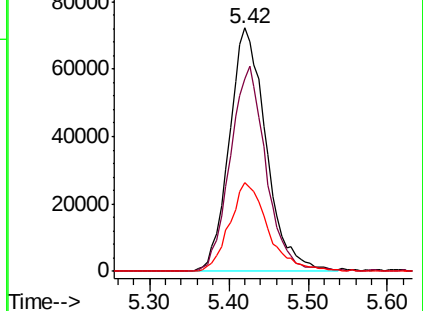
51 38.4 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 224.029 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066755.D

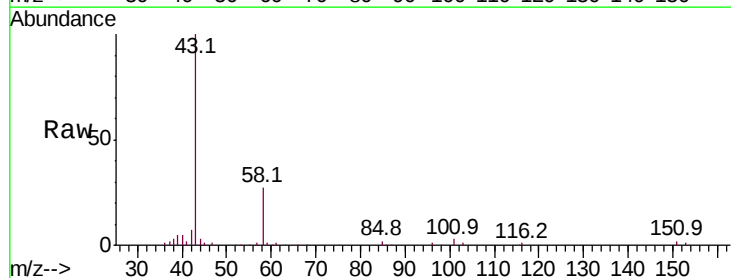
Acq: 17 Sep 2020 20:08

Tgt Ion: 43 Resp: 184957

Ion Ratio Lower Upper

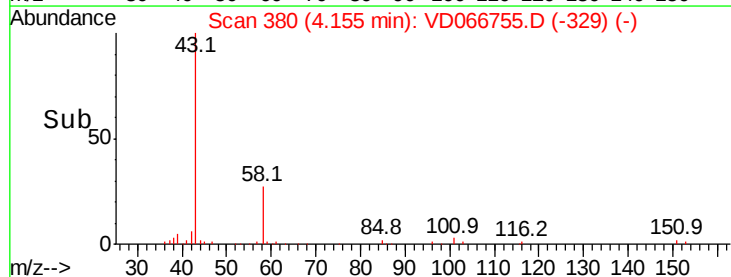
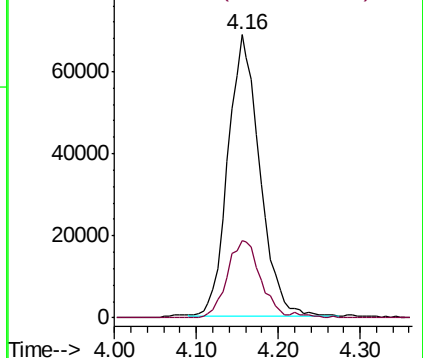
43 100

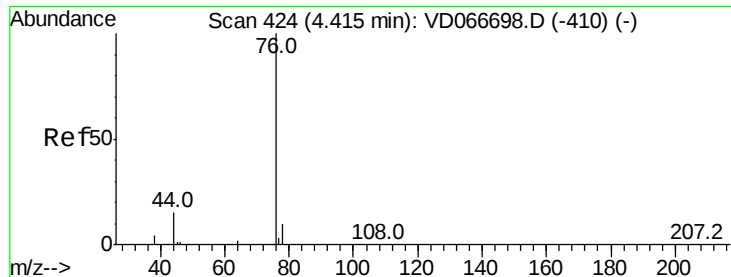
58 27.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

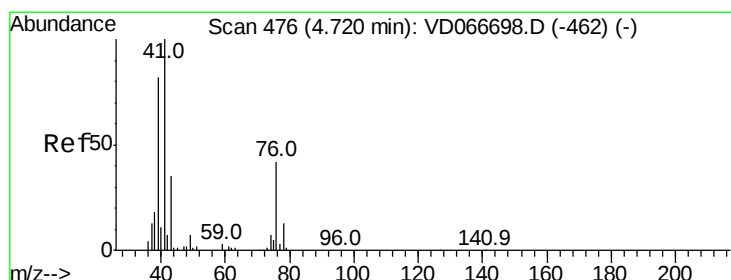
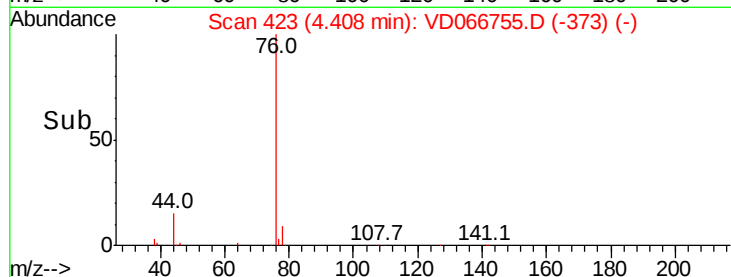
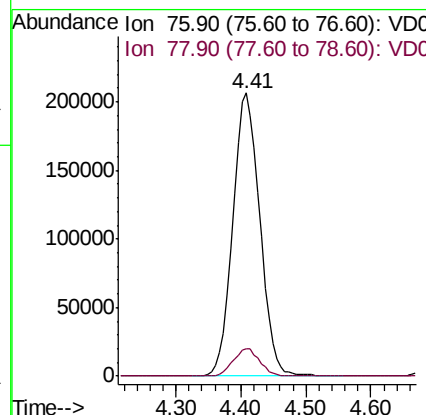
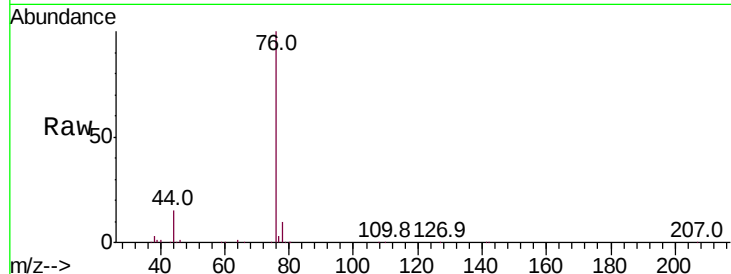




#17
Carbon Disulfide
Concen: 49.714 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

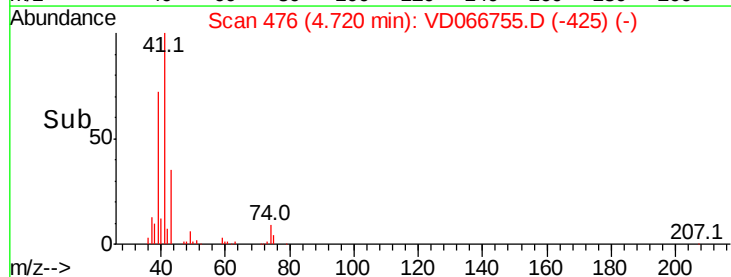
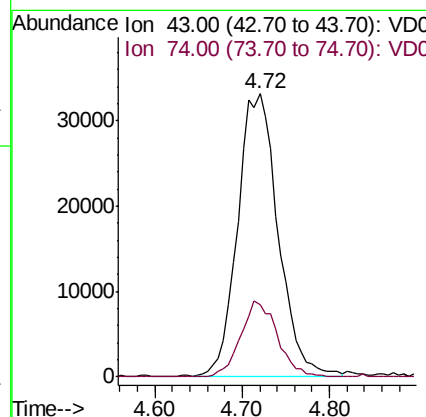
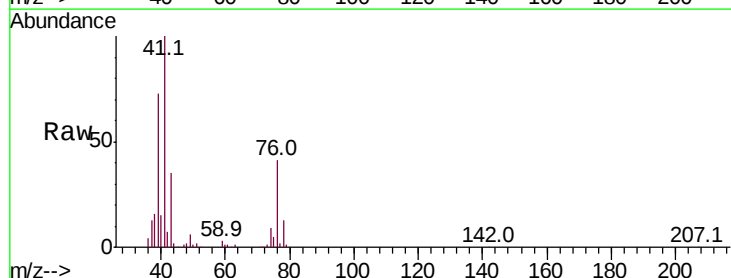
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

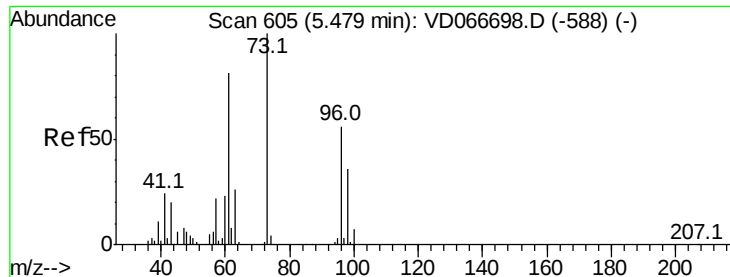
Tot Ion: 76 Resp: 593954
Ion Ratio Lower Upper
76 100
78 9.7 8.0 12.0



#18
Methyl Acetate
Concen: 60.121 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 43 Resp: 104657
Ion Ratio Lower Upper
43 100
74 24.1 18.6 28.0



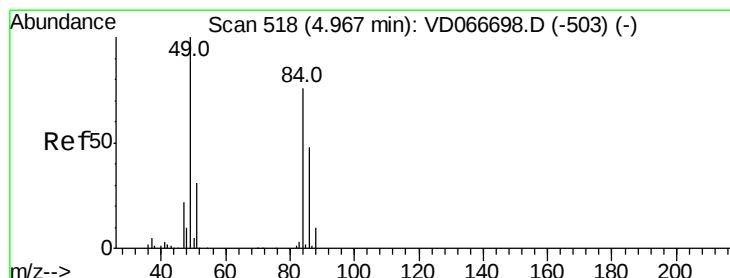
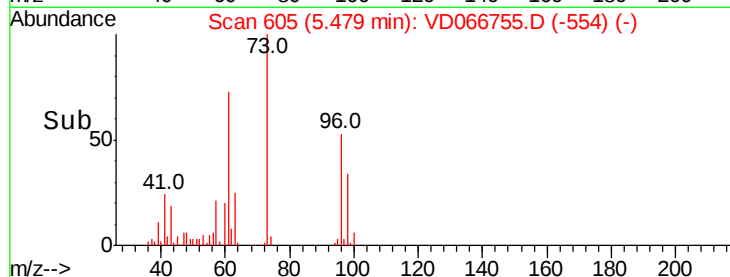
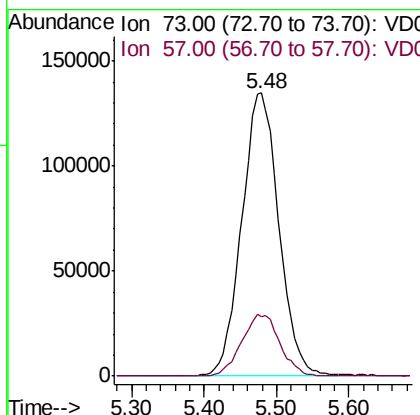
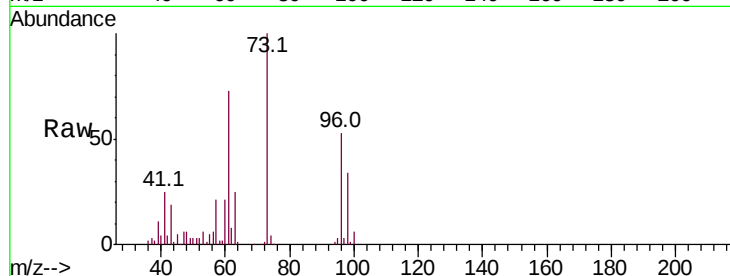


#19

Methyl tert-butyl Ether
 Concen: 56.645 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

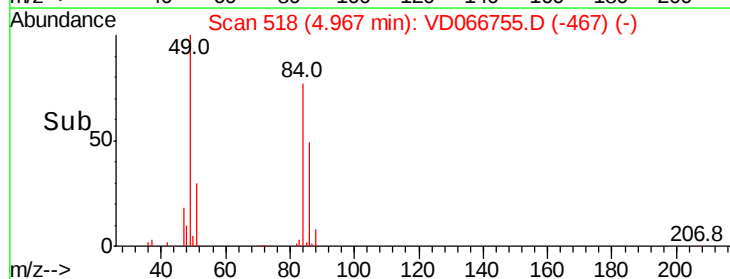
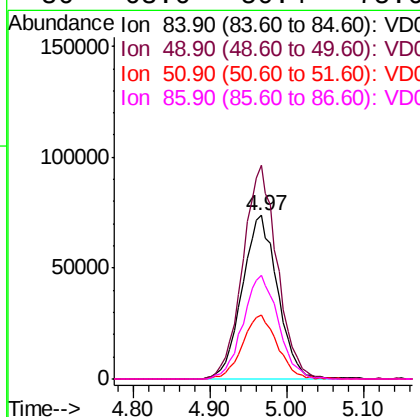
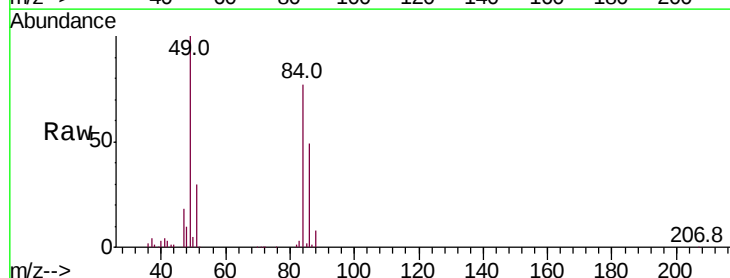
Tot Ion: 73 Resp: 479720
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.8 26.6

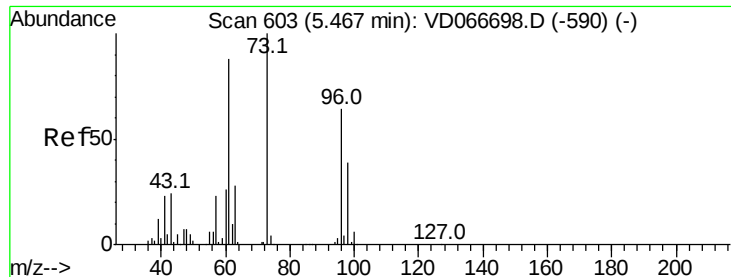


#20

Methylene Chloride
 Concen: 54.141 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion: 84 Resp: 237566
 Ion Ratio Lower Upper
 84 100
 49 130.6 105.0 157.6
 51 39.2 32.2 48.4
 86 63.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 51.715 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

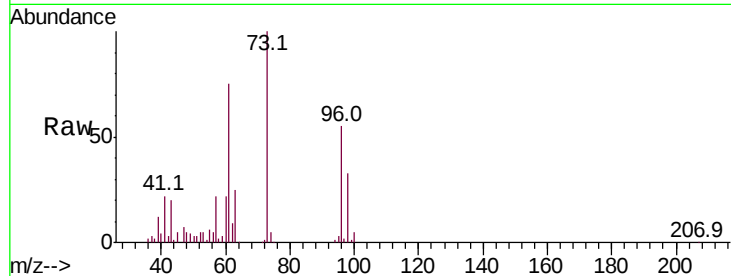
Tot Ion: 96 Resp: 229083

Ion Ratio Lower Upper

96 100

61 134.5 110.6 166.0

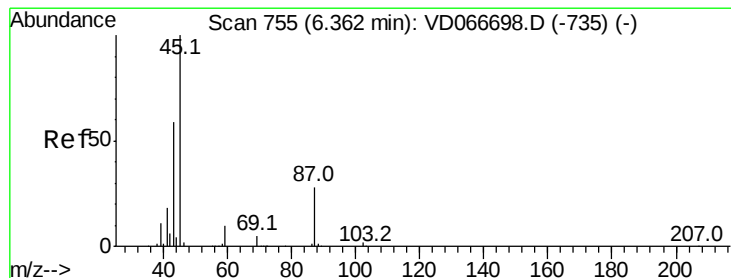
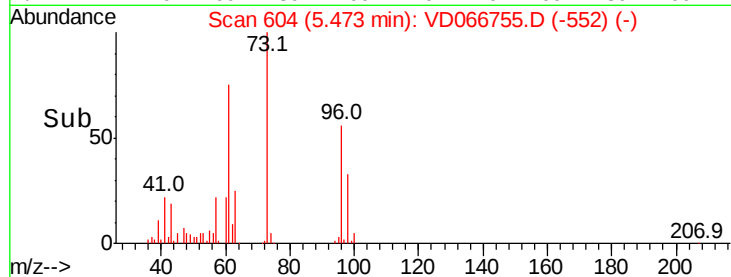
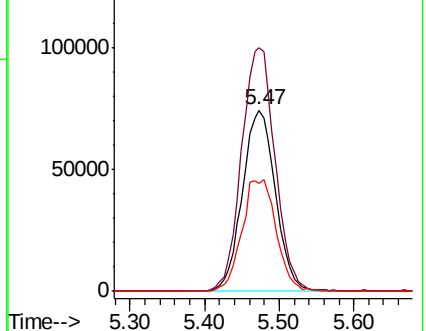
98 59.7 49.2 73.8



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: 55.065 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Tgt Ion: 45 Resp: 683197

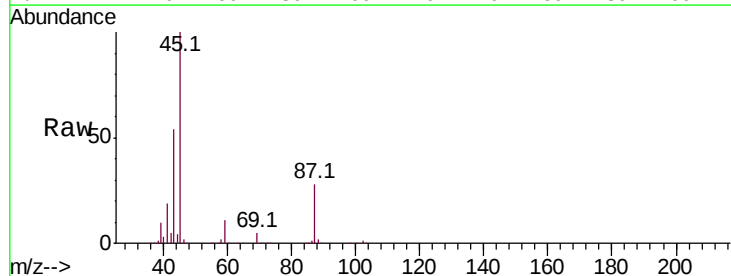
Ion Ratio Lower Upper

45 100

43 53.7 46.9 70.3

87 27.2 22.4 33.6

59 11.1 8.5 12.7

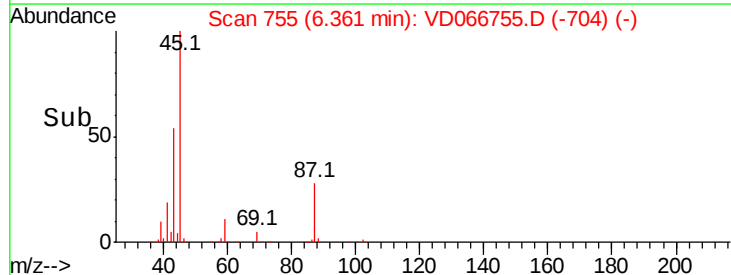
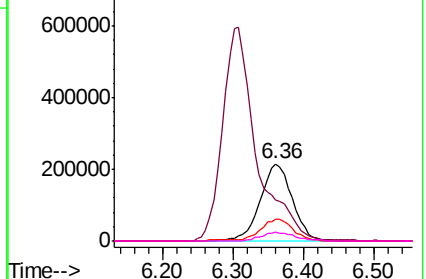


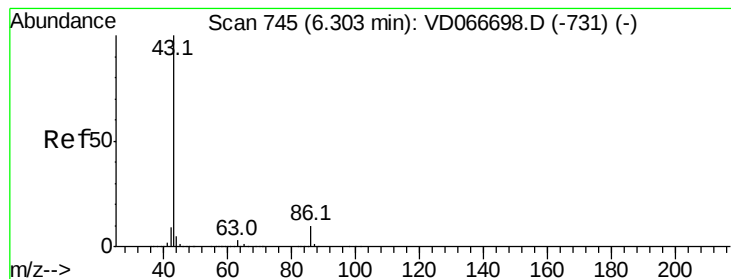
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 288.469 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

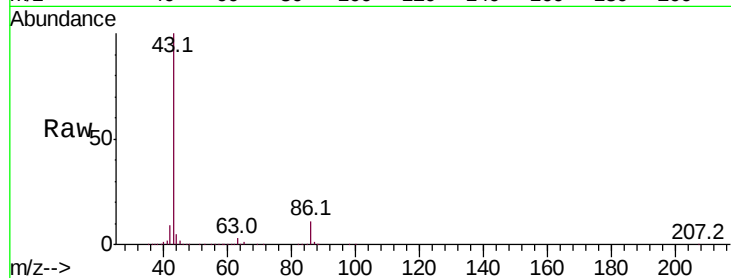
VSTDCCC050EC

Tot Ion: 43 Resp: 1990847

Ion Ratio Lower Upper

43 100

86 11.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

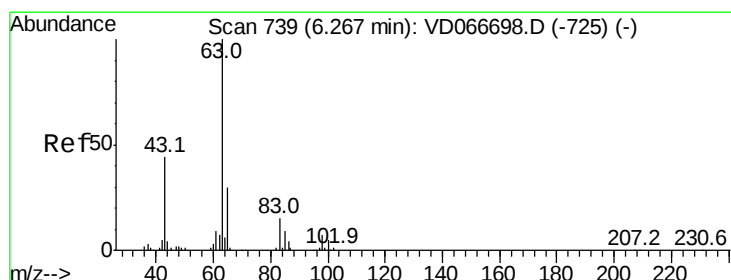
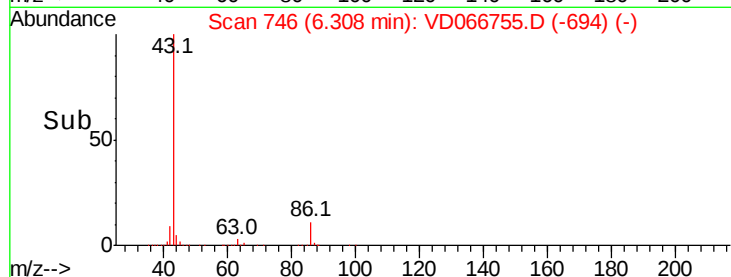
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.686 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

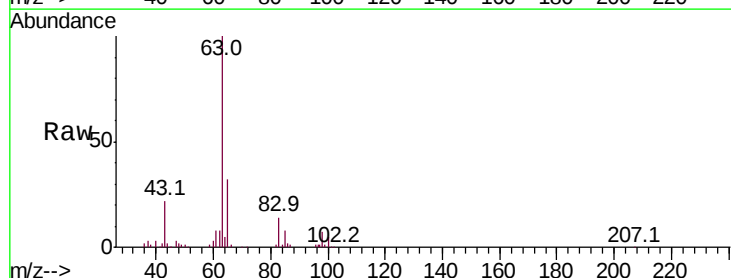
Tgt Ion: 63 Resp: 406934

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.6 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

6.26

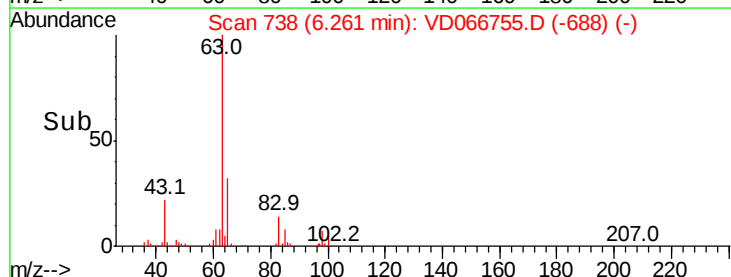
150000

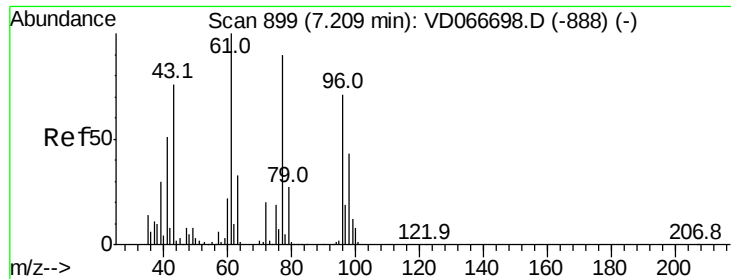
100000

50000

0

Time-->





#25

2-Butanone

Concen: 272.077 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

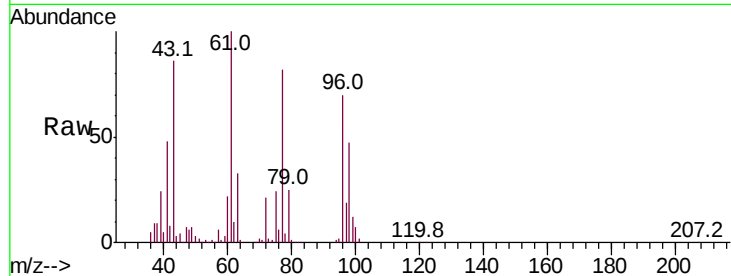
VSTDCCC050EC

Tot Ion: 43 Resp: 292494

Ion Ratio Lower Upper

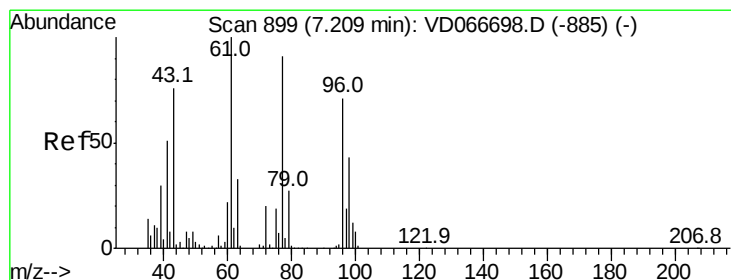
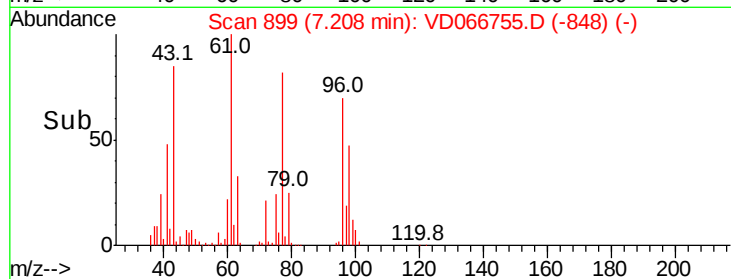
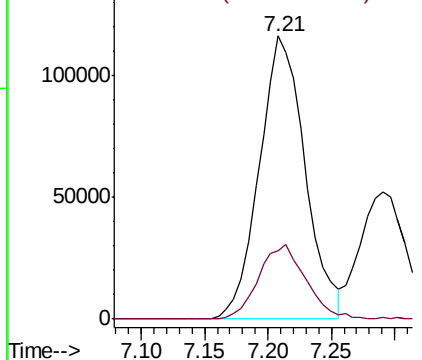
43 100

72 24.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.800 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066755.D

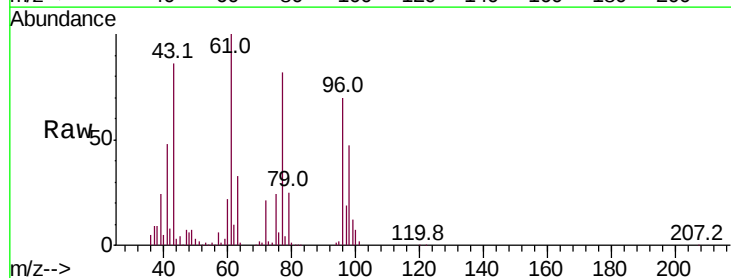
Acq: 17 Sep 2020 20:08

Tgt Ion: 77 Resp: 318887

Ion Ratio Lower Upper

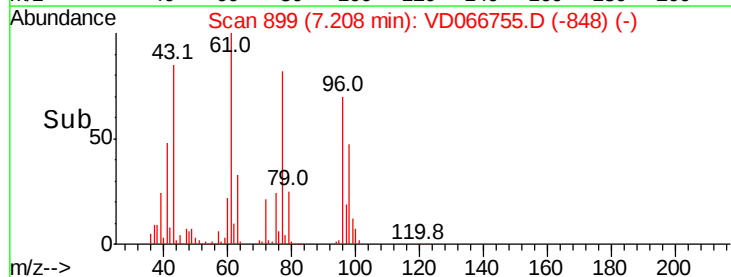
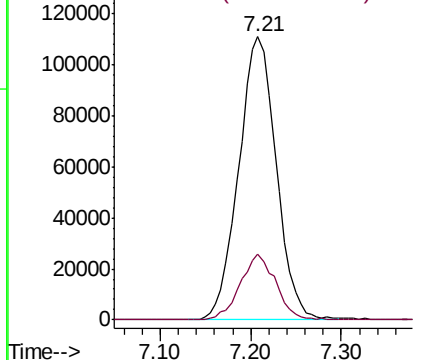
77 100

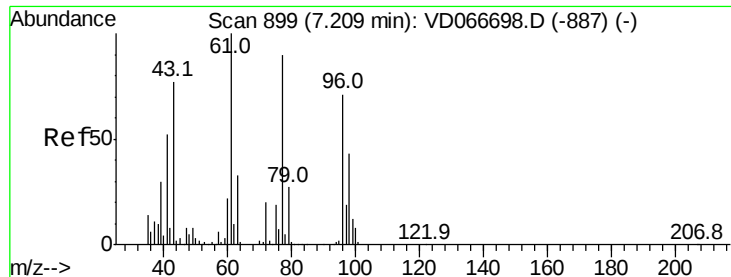
97 21.9 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



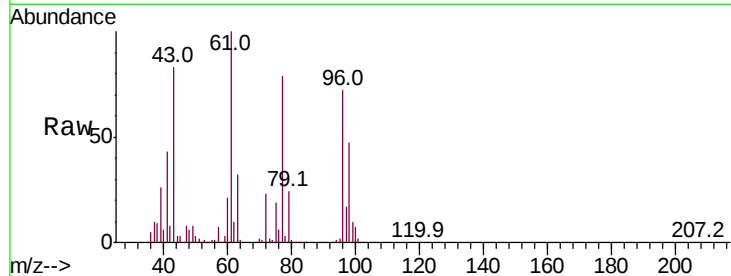


#27

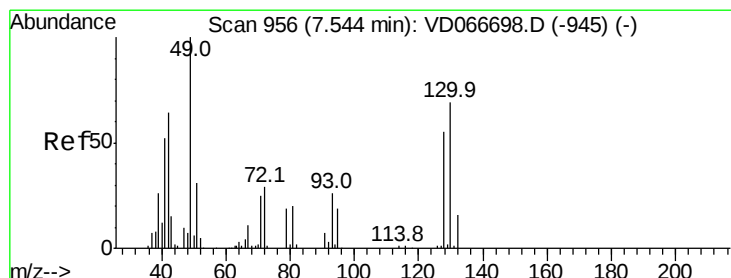
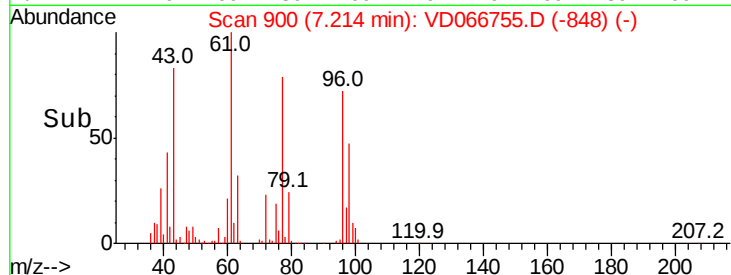
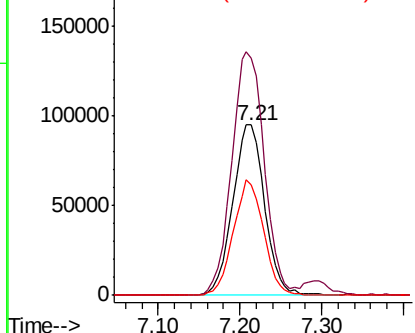
cis-1,2-Dichloroethene
 Concen: 53.028 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 256983
 Ion Ratio Lower Upper
 96 100
 61 145.2 0.0 292.4
 98 64.6 0.0 127.0



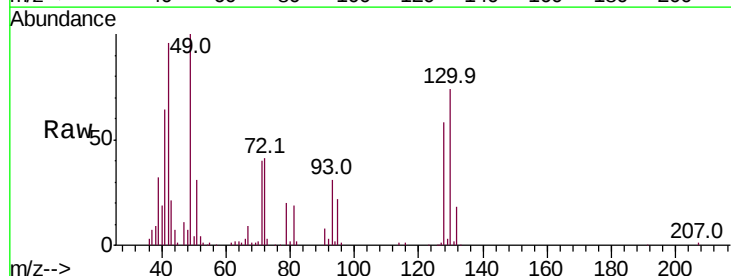
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



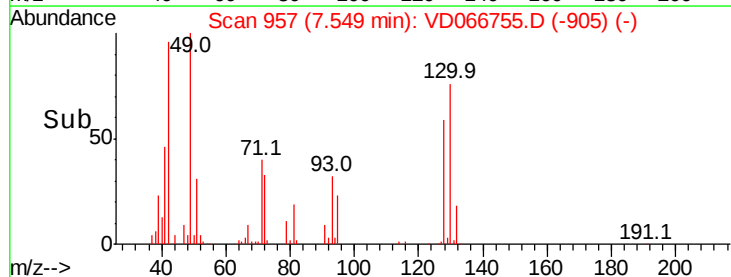
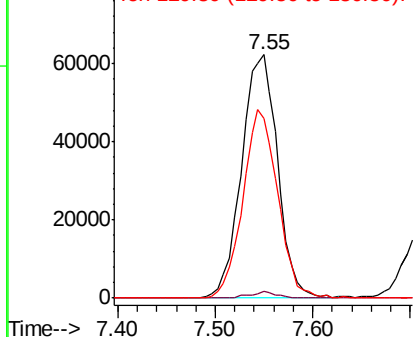
#28

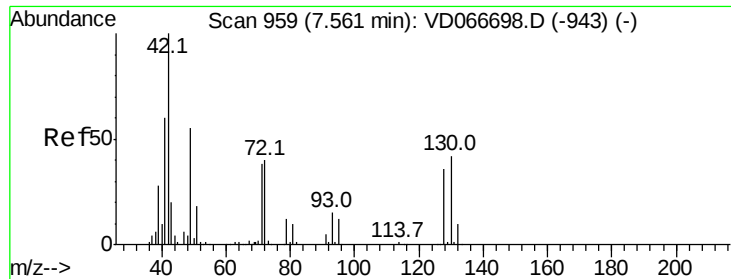
Bromochloromethane
 Concen: 54.328 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion: 49 Resp: 159767
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 75.4 58.6 88.0



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

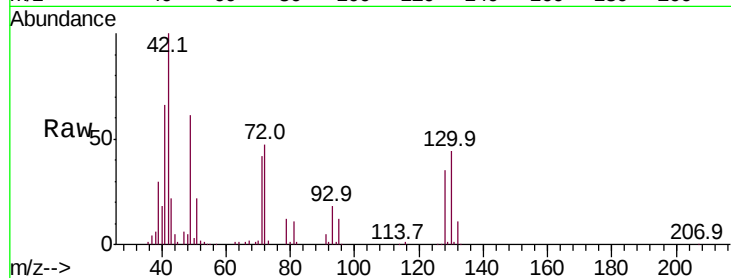




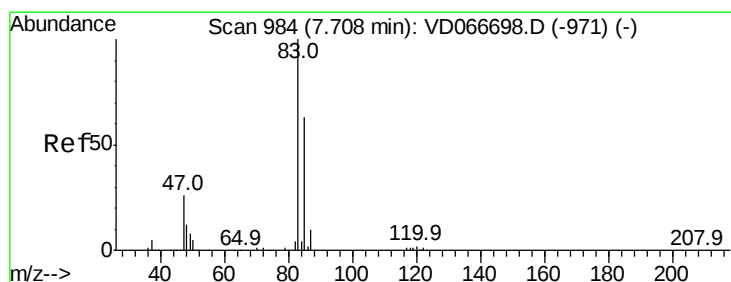
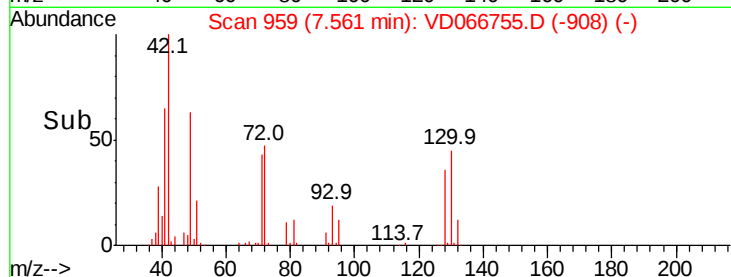
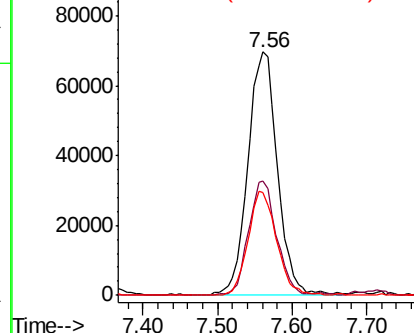
#29
Tetrahydrofuran
Concen: 292.163 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 192169
Ion Ratio Lower Upper
42 100
72 44.1 32.6 48.8
71 41.0 30.6 45.8

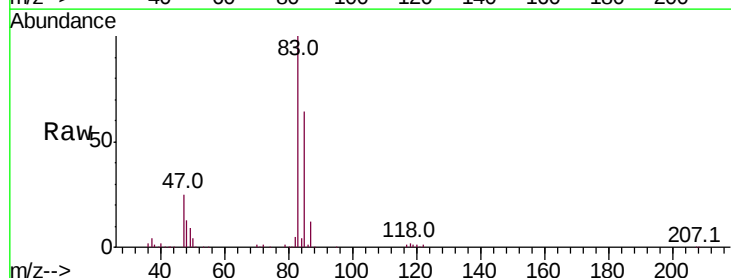


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

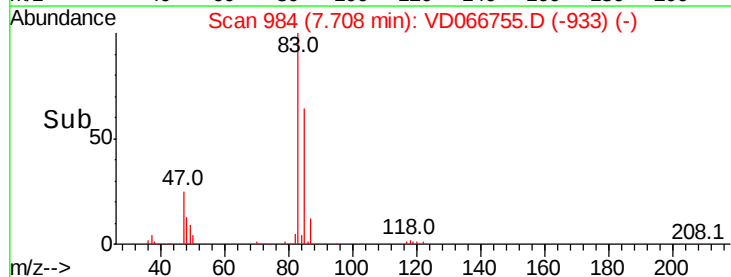
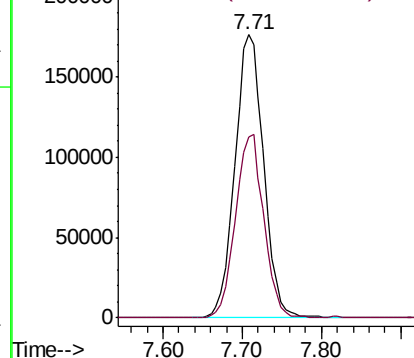


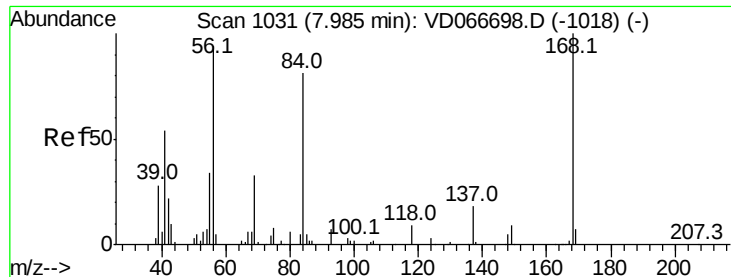
#30
Chloroform
Concen: 52.608 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 83 Resp: 440823
Ion Ratio Lower Upper
83 100
85 63.8 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: 45.695 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

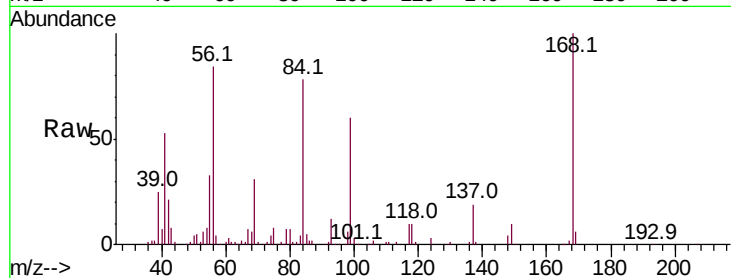
Tot Ion: 56 Resp: 327240

Ion Ratio Lower Upper

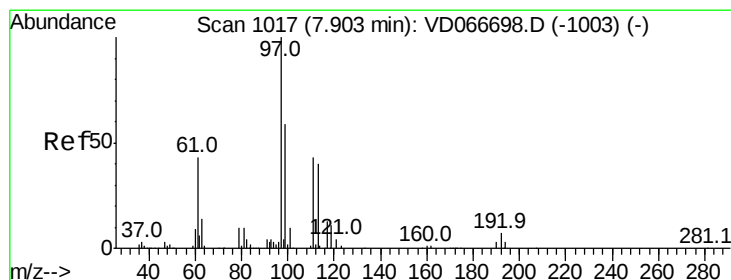
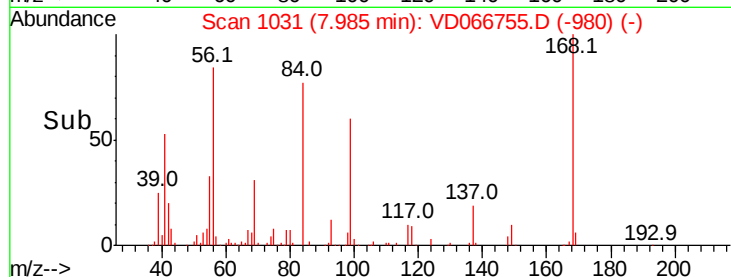
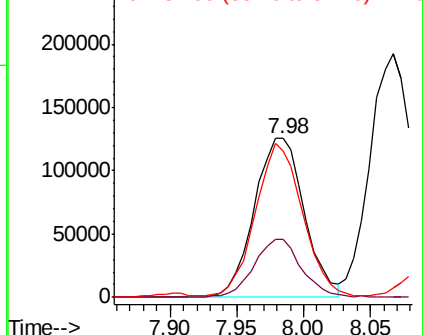
56 100

69 36.4 27.7 41.5

84 91.1 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: 49.610 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

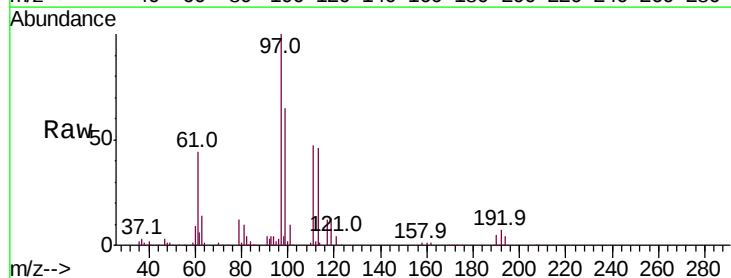
Tgt Ion: 97 Resp: 380394

Ion Ratio Lower Upper

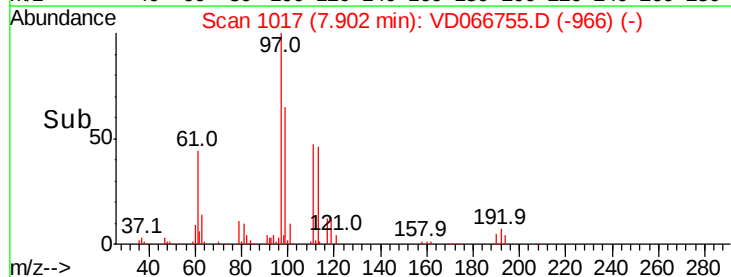
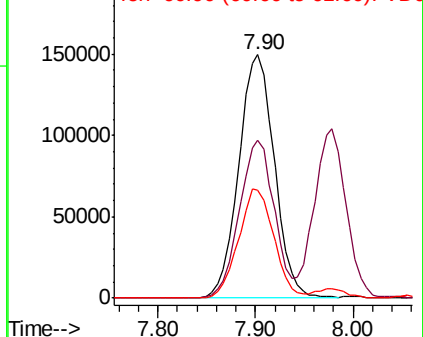
97 100

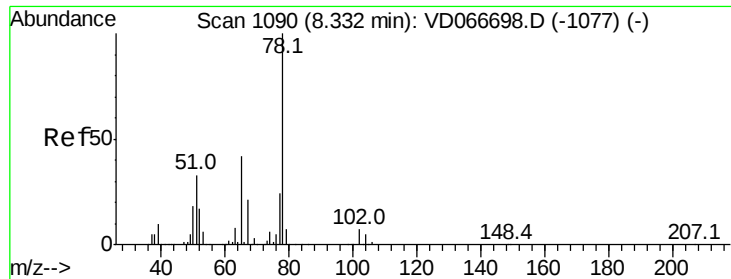
99 63.3 51.0 76.4

61 44.4 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: 54.800 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

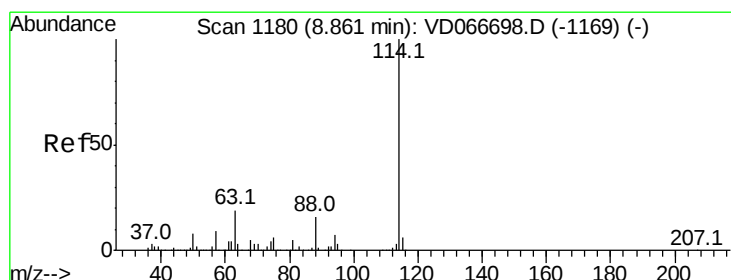
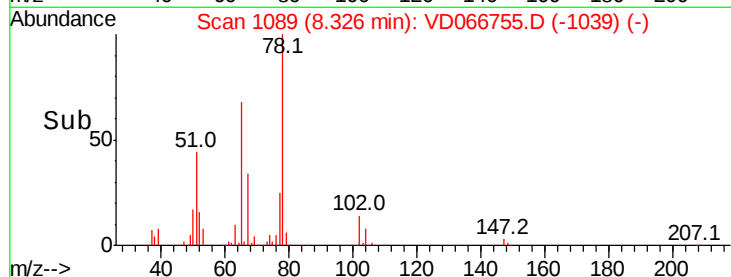
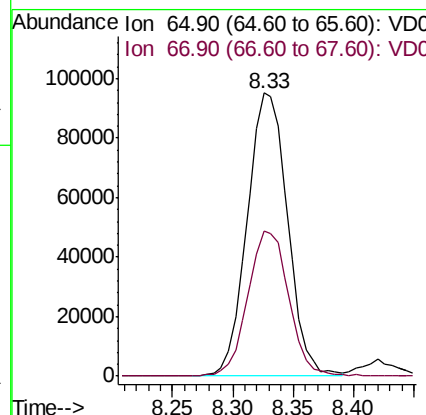
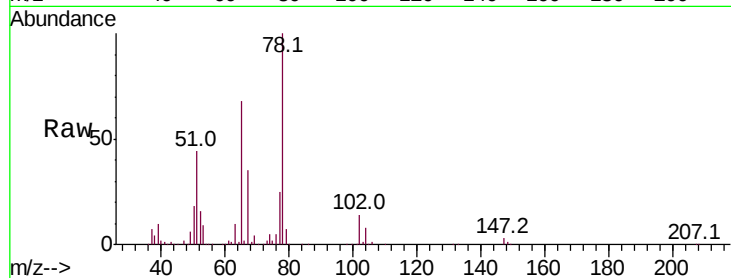
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 65 Resp: 222170

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

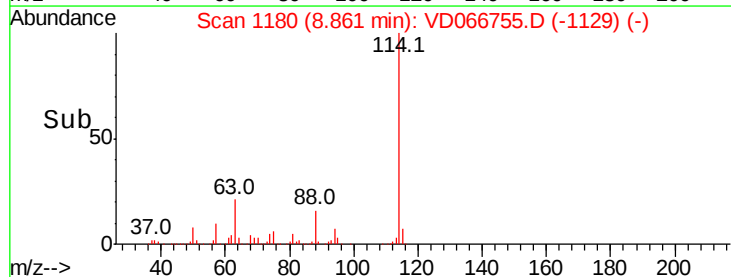
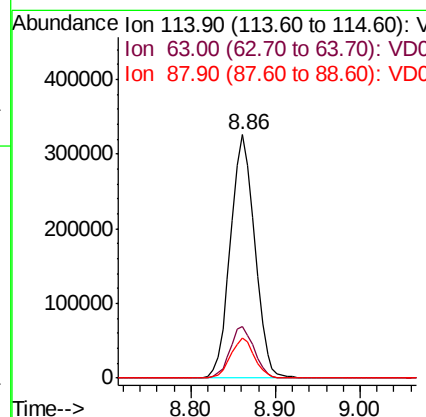
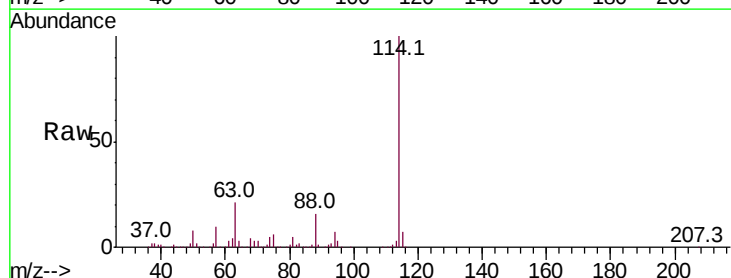
Delta R.T. -0.00 min

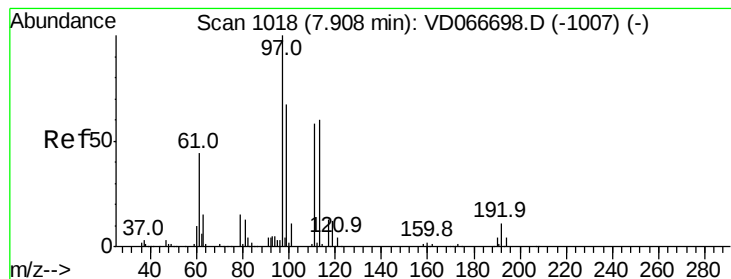
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Tgt Ion: 114 Resp: 649393

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	37.6
88	16.2	0.0	32.2





#35

Dibromofluoromethane

Concen: 54.065 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

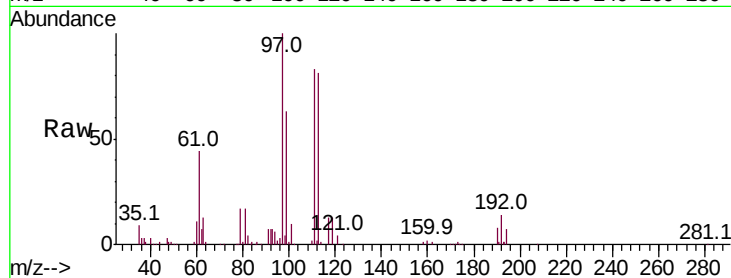
Tot Ion:113 Resp: 215253

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

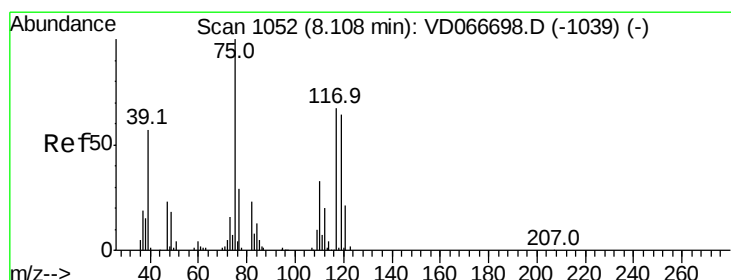
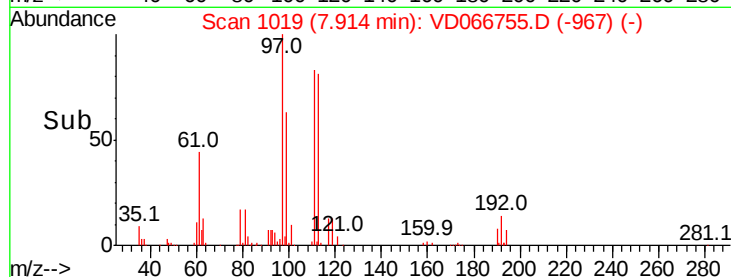
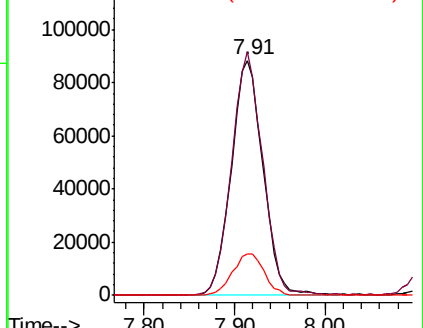
192 17.7 14.8 22.2



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: 47.485 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

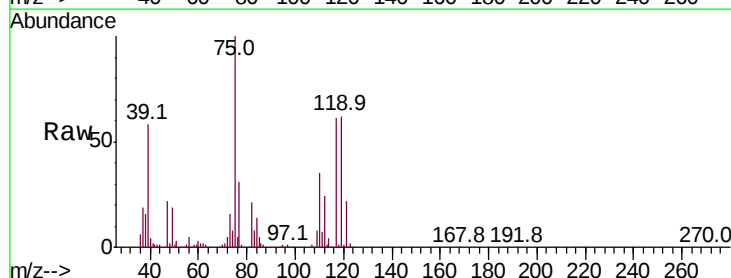
Tgt Ion: 75 Resp: 317043

Ion Ratio Lower Upper

75 100

110 34.8 17.1 51.2

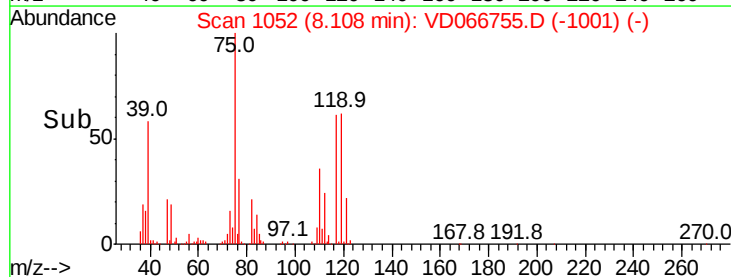
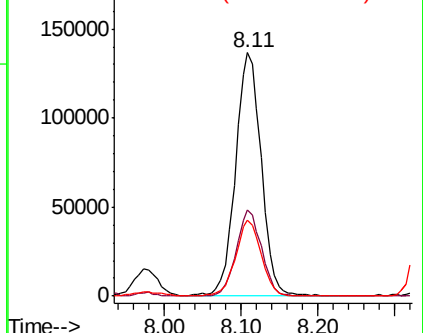
77 31.6 25.0 37.6

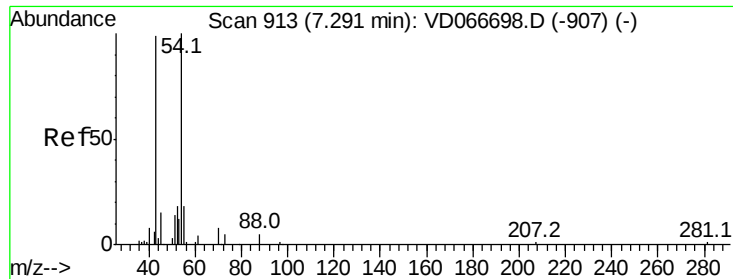


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

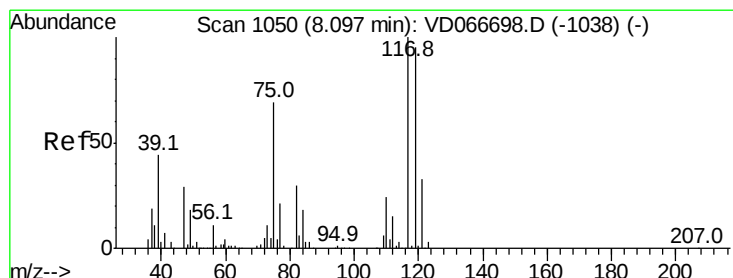
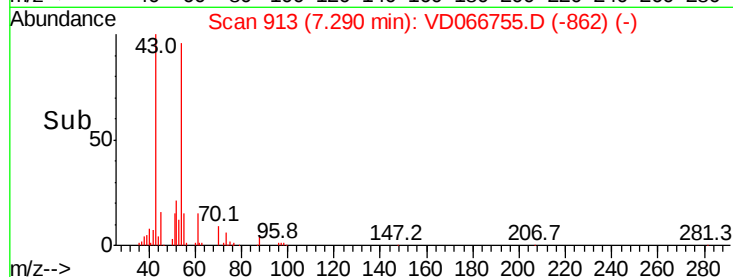
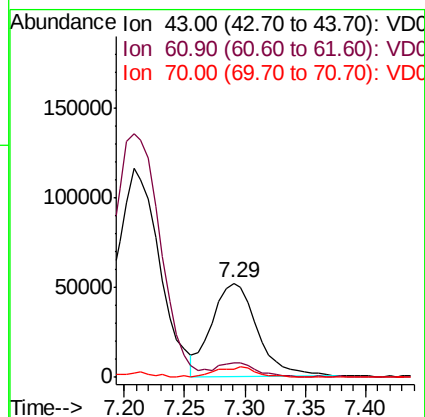
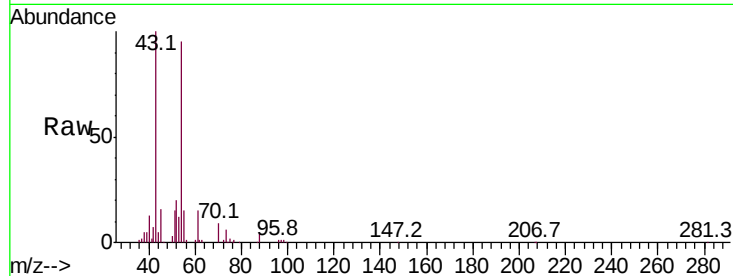




#37
Ethyl Acetate
Concen: 53.695 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

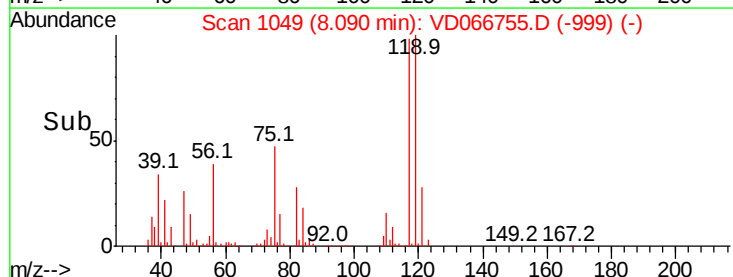
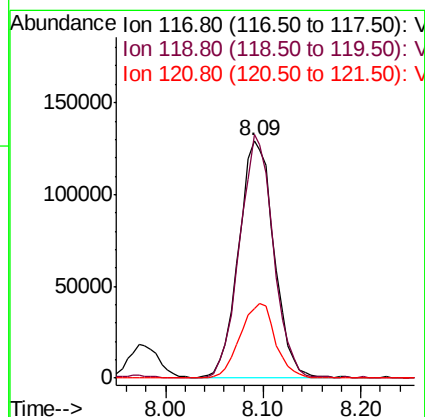
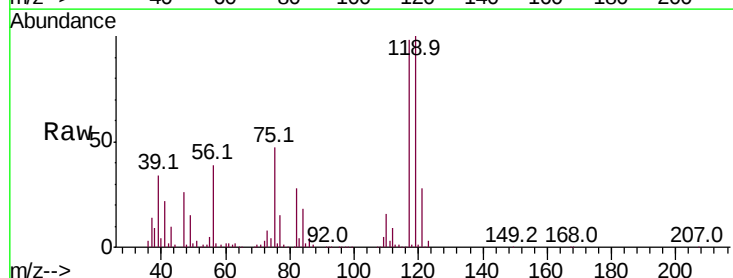
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

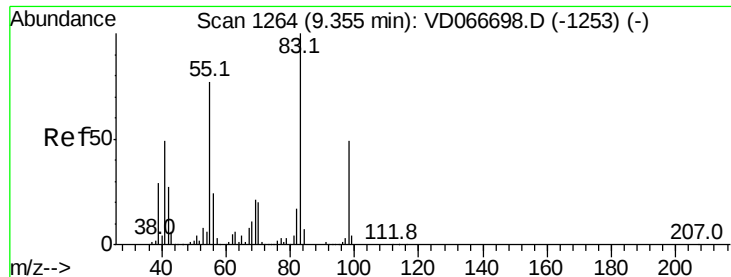
Tot Ion: 43 Resp: 135720
Ion Ratio Lower Upper
43 100
61 12.0 10.4 15.6
70 10.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 46.036 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 117 Resp: 326411
Ion Ratio Lower Upper
117 100
119 102.7 75.8 113.6
121 29.2 26.2 39.4

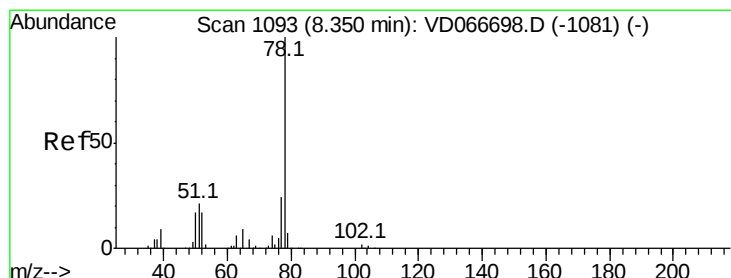
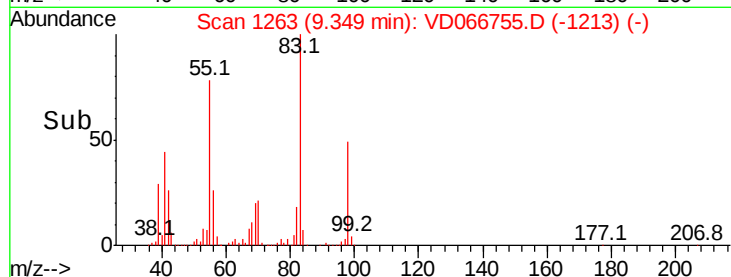
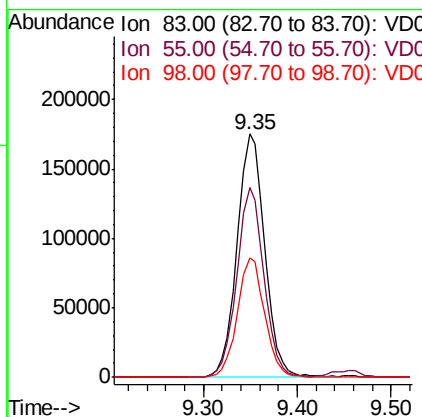
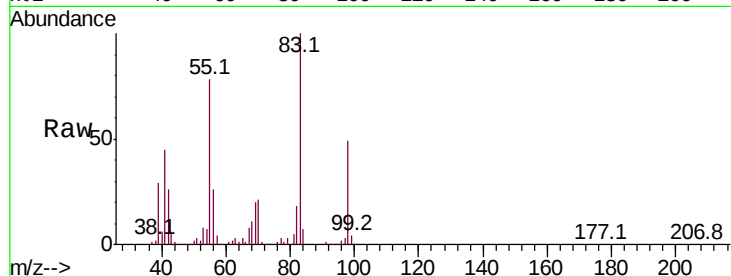




#39
Methvlcvclohexane
Concen: 46.924 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

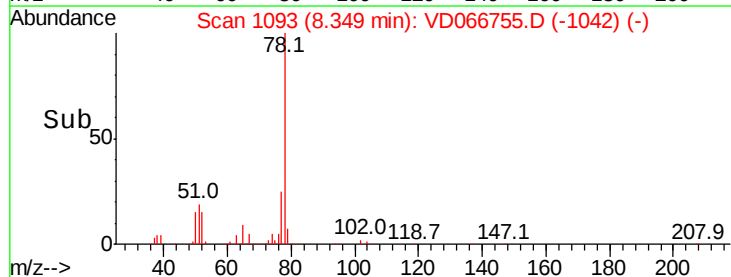
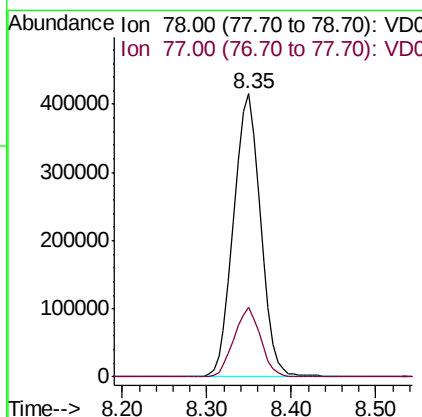
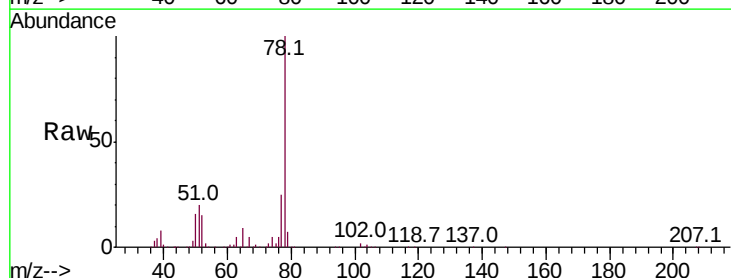
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

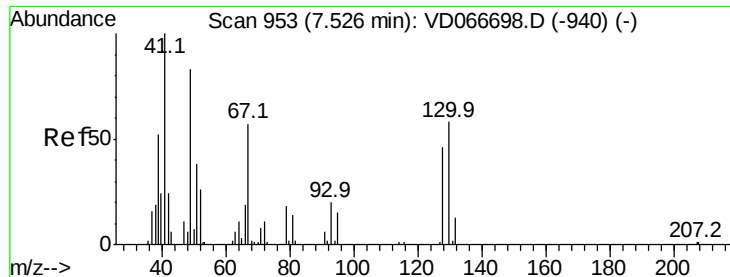
Tot Ion	83	Resp	358357
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.5	92.3
98	49.0	39.3	58.9



#40
Benzene
Concen: 50.825 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion	78	Resp	918062
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9

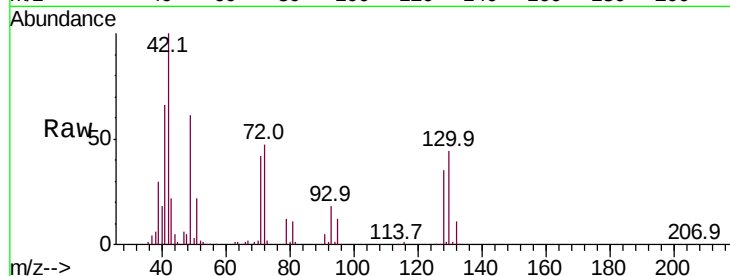




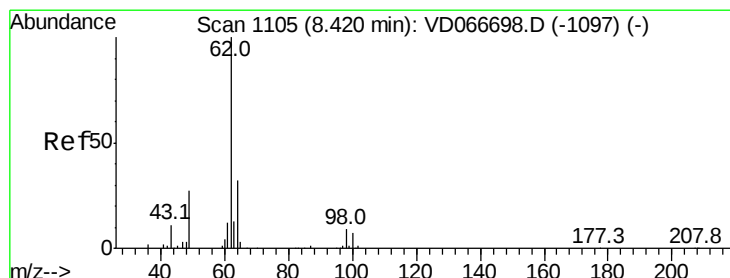
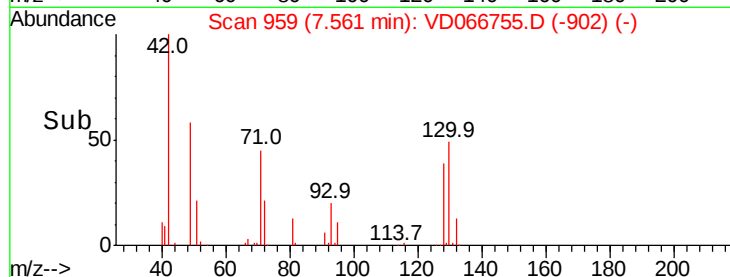
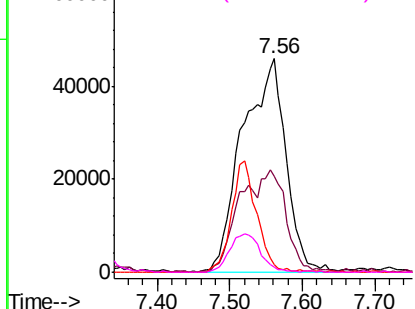
#41
Methacrylonitrile
Concen: 142.767 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 191044
Ion Ratio Lower Upper
41 100
39 27.2 59.3 88.9#
67 0.0 62.3 93.5#
52 0.0 28.0 42.0#

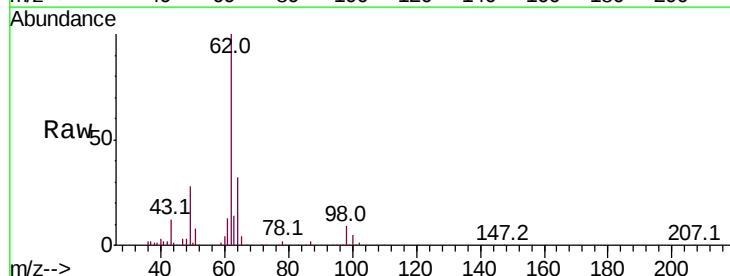


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

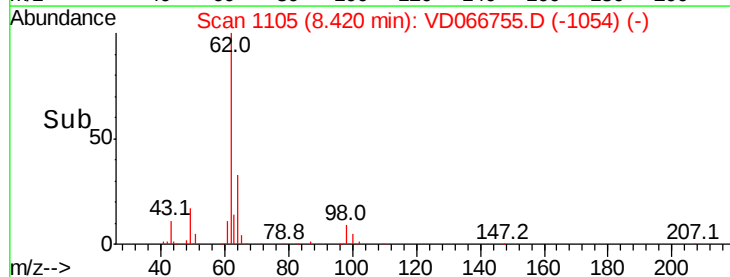
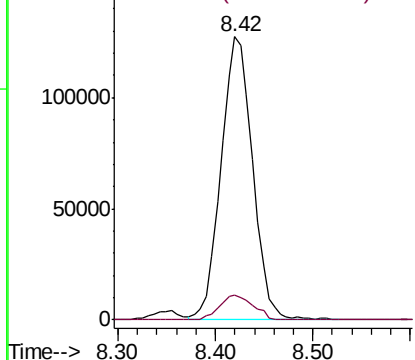


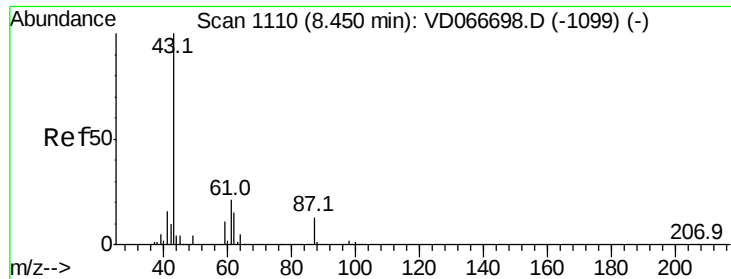
#42
1,2-Dichloroethane
Concen: 50.470 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 62 Resp: 282439
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 55.041 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

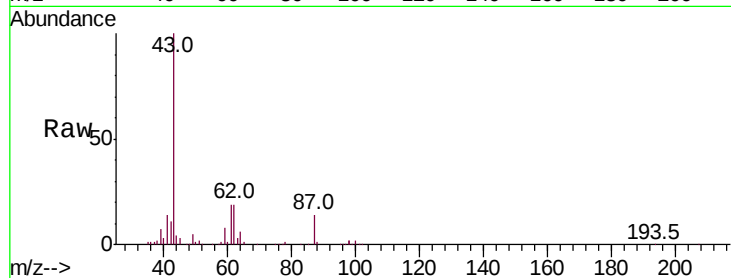
Tot Ion: 43 Resp: 261863

Ion Ratio Lower Upper

43 100

61 30.5 24.8 37.2

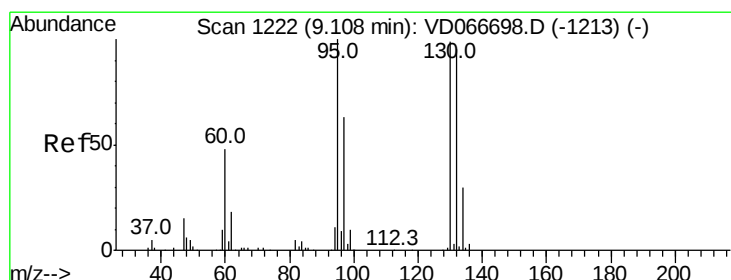
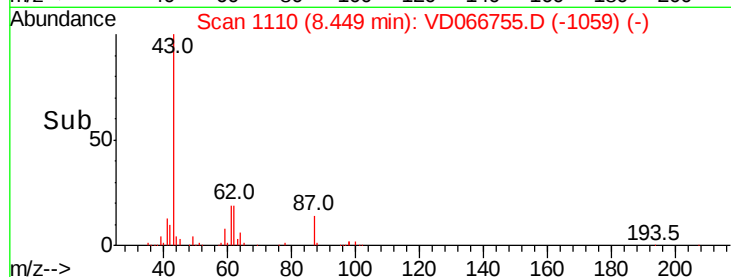
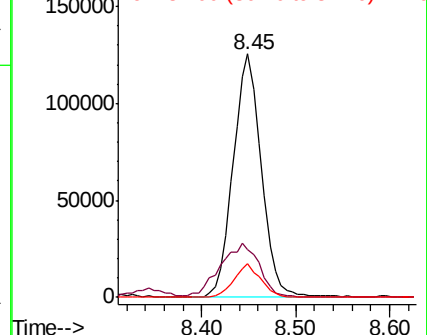
87 12.9 10.4 15.6



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: 49.896 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066755.D

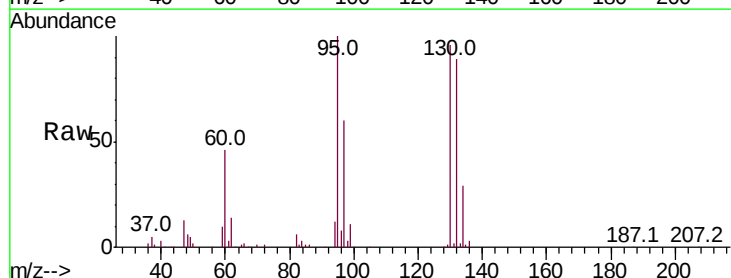
Acq: 17 Sep 2020 20:08

Tgt Ion:130 Resp: 240977

Ion Ratio Lower Upper

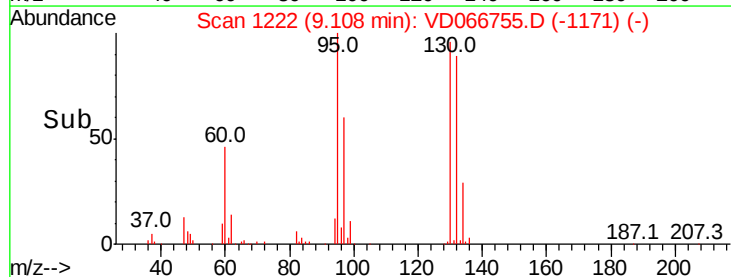
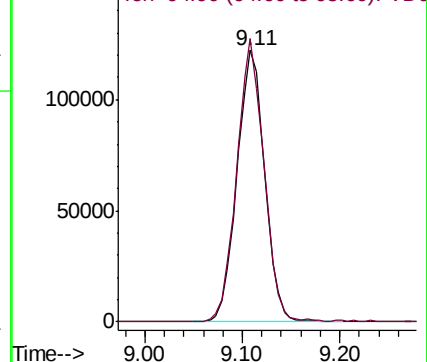
130 100

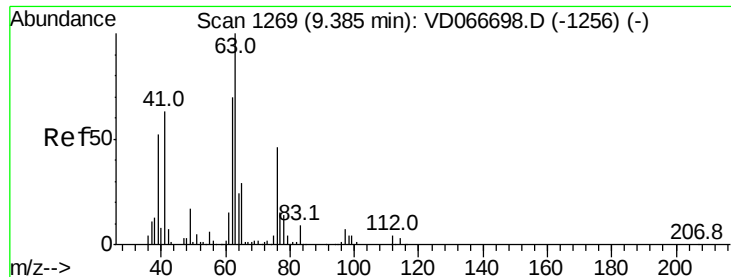
95 104.1 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.552 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

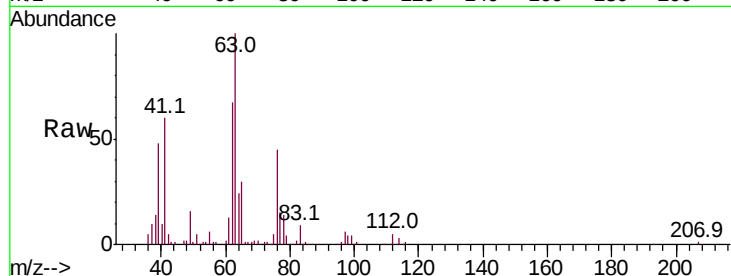
VSTDCCC050EC

Tot Ion: 63 Resp: 234674

Ion Ratio Lower Upper

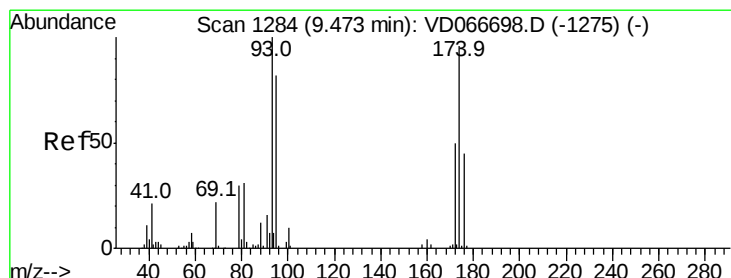
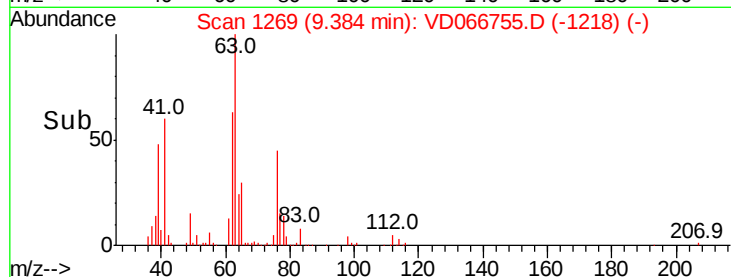
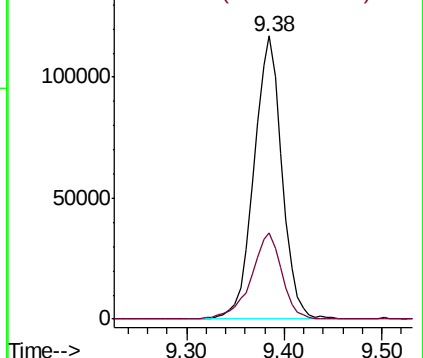
63 100

65 30.4 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 54.434 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

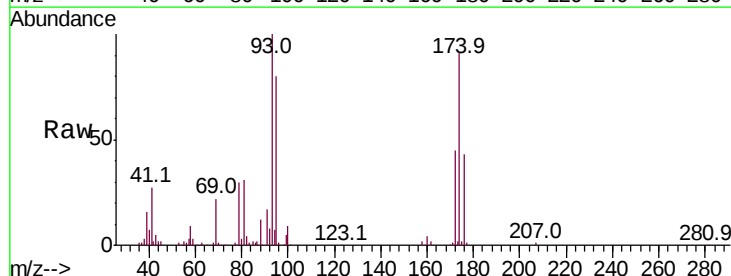
Tgt Ion: 93 Resp: 133572

Ion Ratio Lower Upper

93 100

95 81.1 66.0 99.0

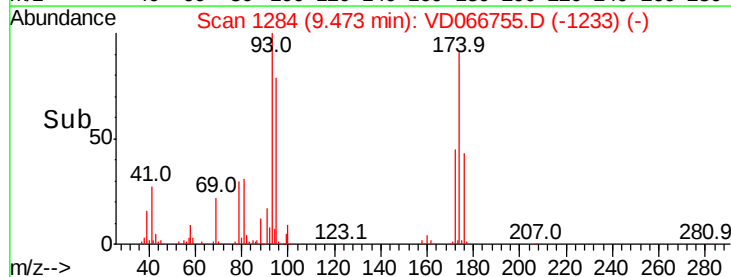
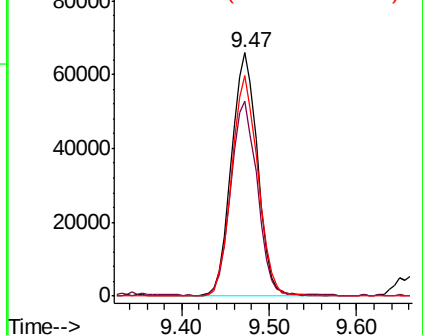
174 90.8 72.3 108.5

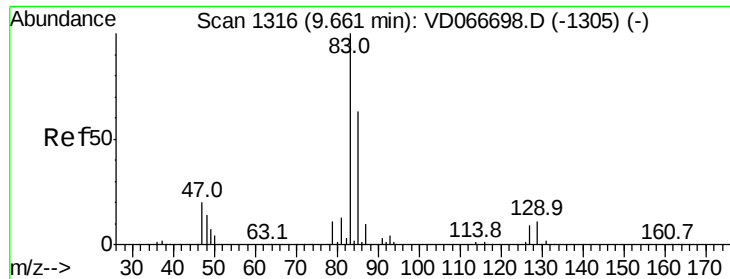


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.092 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

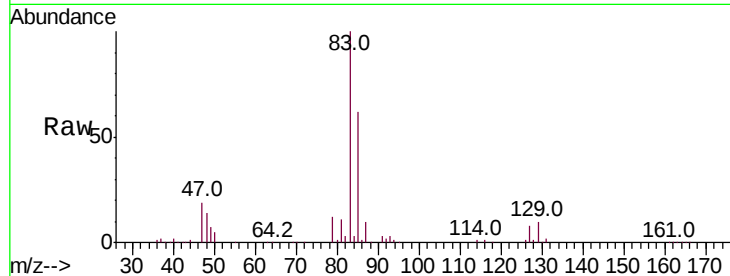
Tot Ion: 83 Resp: 348312

Ion Ratio Lower Upper

83 100

85 61.7 50.1 75.1

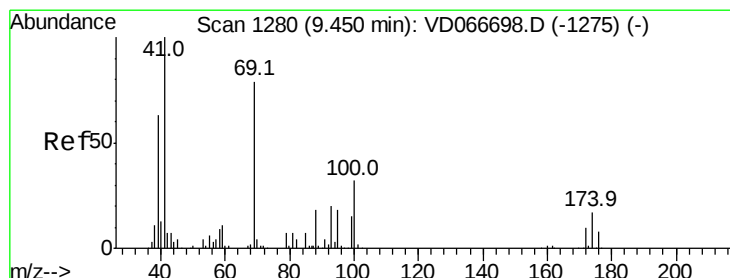
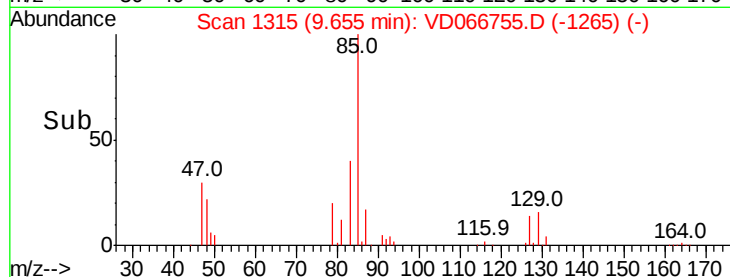
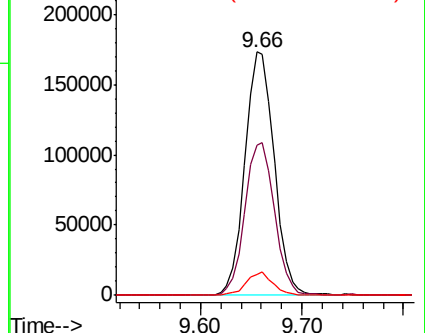
127 8.4 6.9 10.3



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): VDC



#48

Methyl methacrylate

Concen: 53.125 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

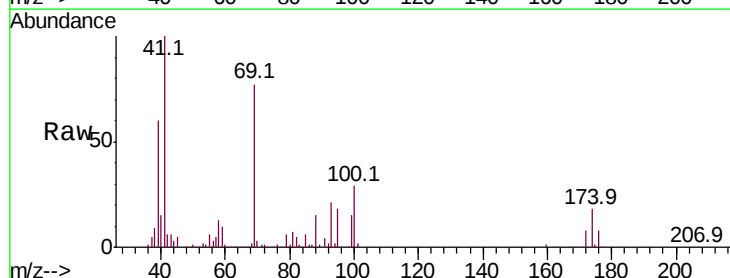
Tgt Ion: 41 Resp: 128559

Ion Ratio Lower Upper

41 100

69 88.3 62.4 93.6

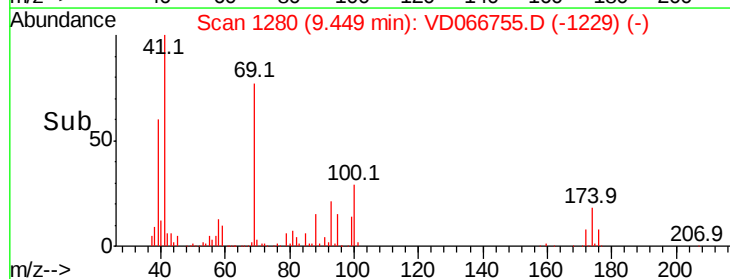
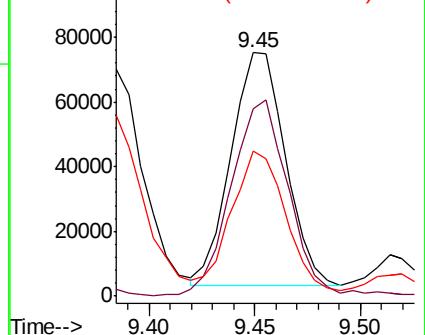
39 58.4 44.8 67.2

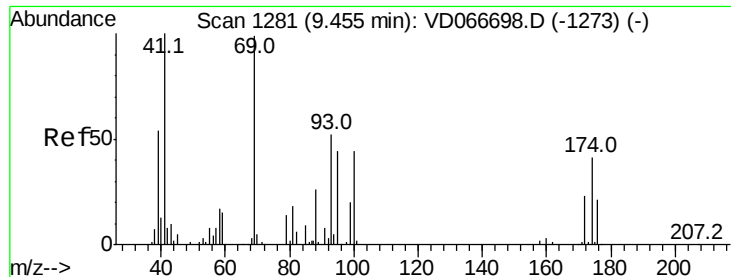


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1146.839 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

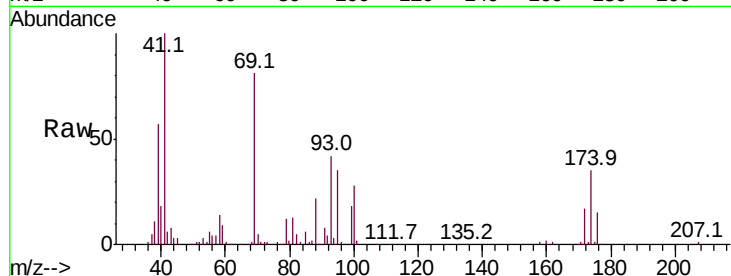
Tot Ion: 88 Resp: 30145

Ion Ratio Lower Upper

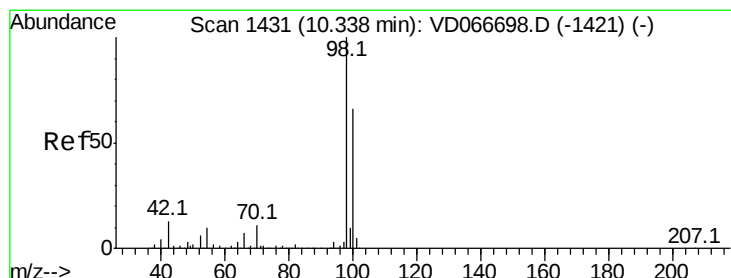
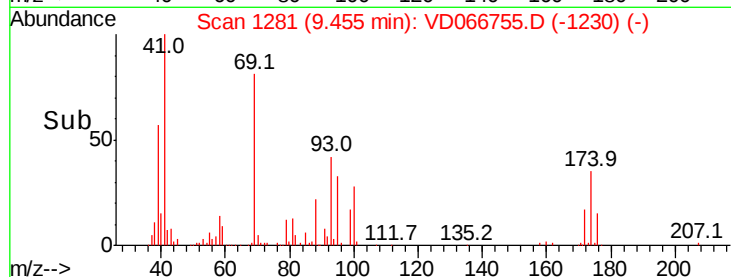
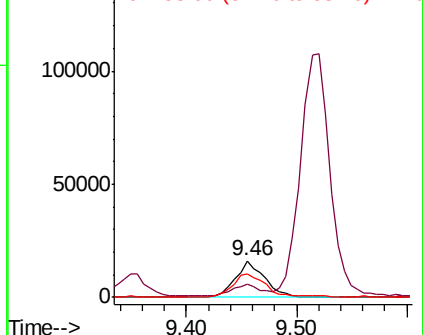
88 100

43 34.4 29.3 43.9

58 71.2 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: 54.145 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066755.D

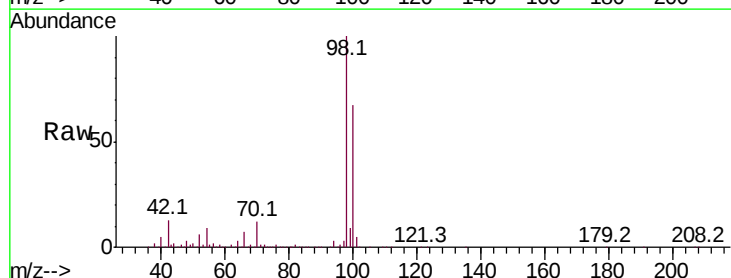
Acq: 17 Sep 2020 20:08

Tgt Ion: 98 Resp: 768031

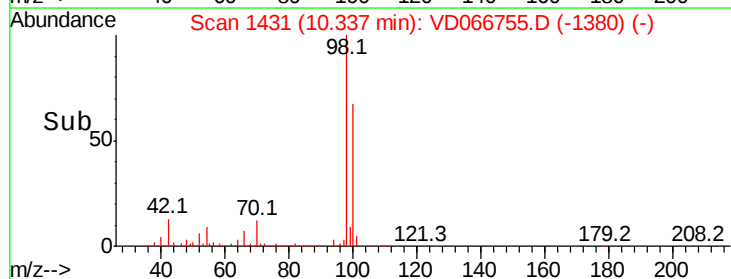
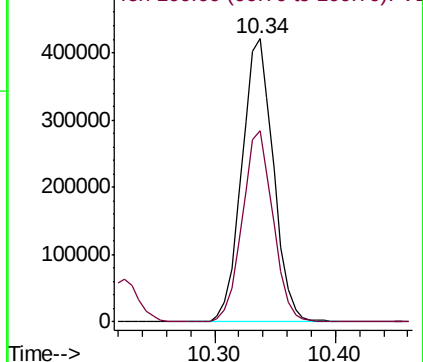
Ion Ratio Lower Upper

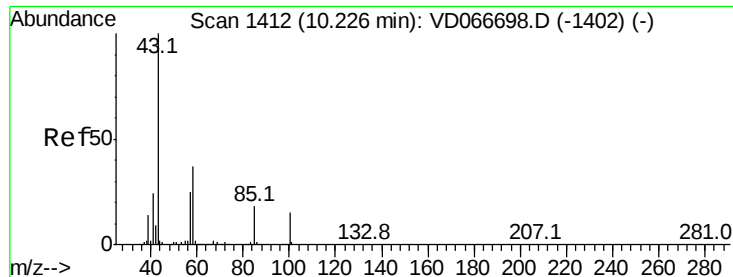
98 100

100 65.5 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: 282.711 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

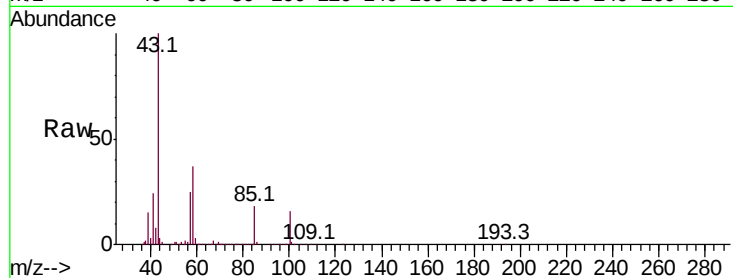
VSTDCCC050EC

Tot Ion: 43 Resp: 692457

Ion Ratio Lower Upper

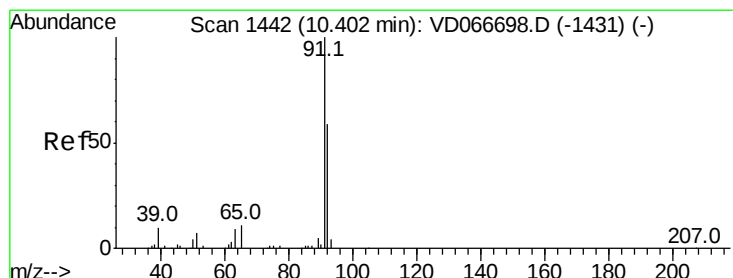
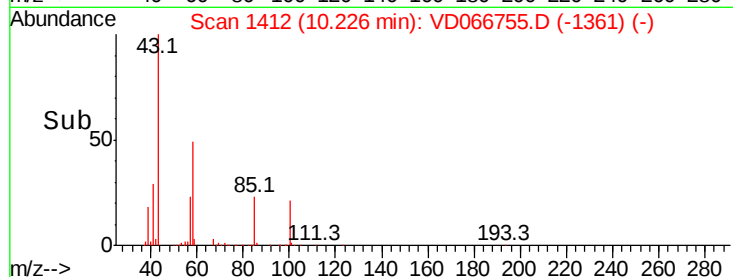
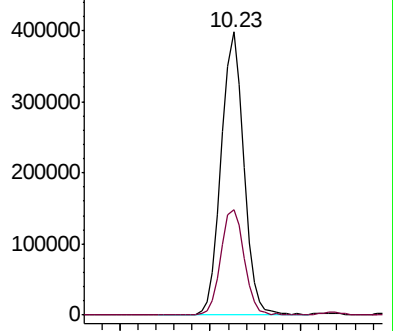
43 100

58 38.4 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.853 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066755.D

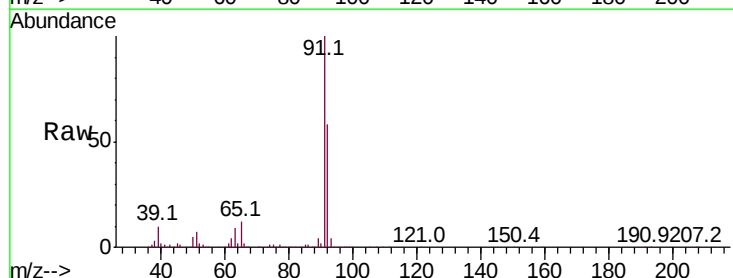
Acq: 17 Sep 2020 20:08

Tgt Ion: 92 Resp: 600014

Ion Ratio Lower Upper

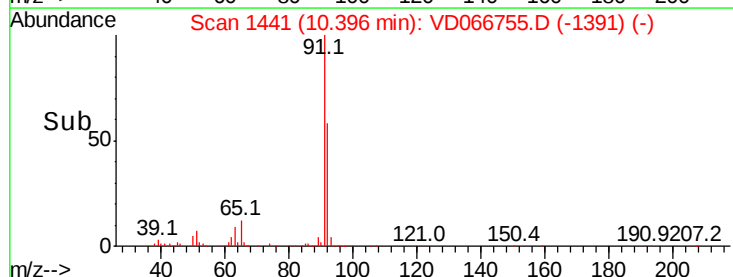
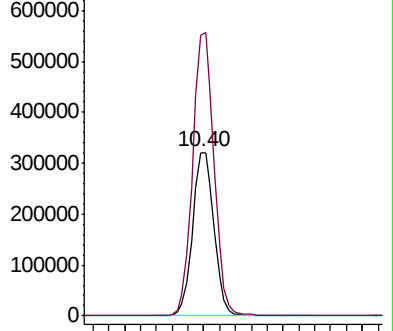
92 100

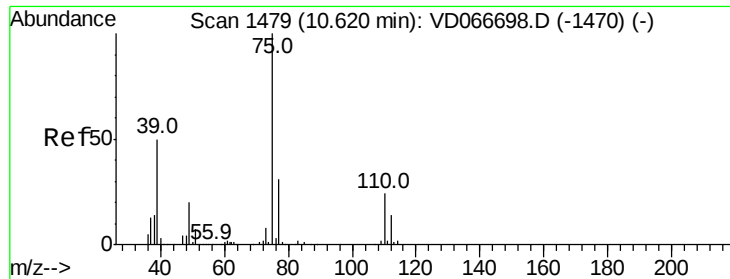
91 173.0 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.585 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

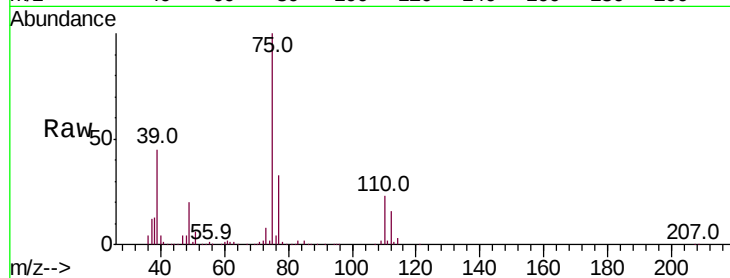
VSTDCCC050EC

Tot Ion: 75 Resp: 308129

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.61

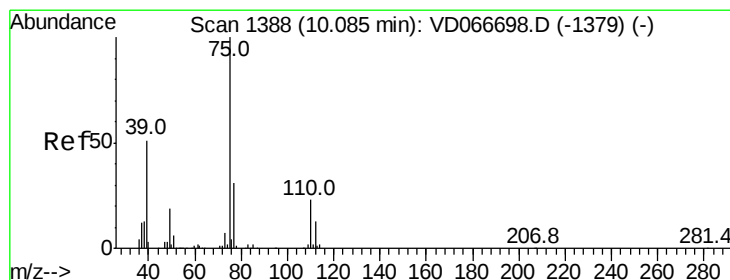
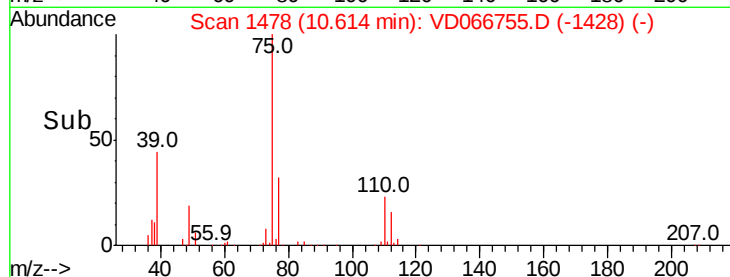
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.807 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

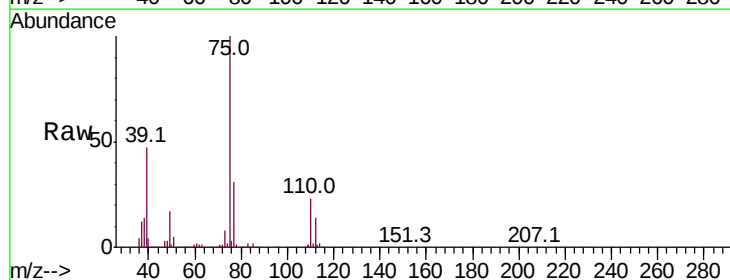
Tgt Ion: 75 Resp: 367557

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 46.3 40.6 61.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.08

250000

200000

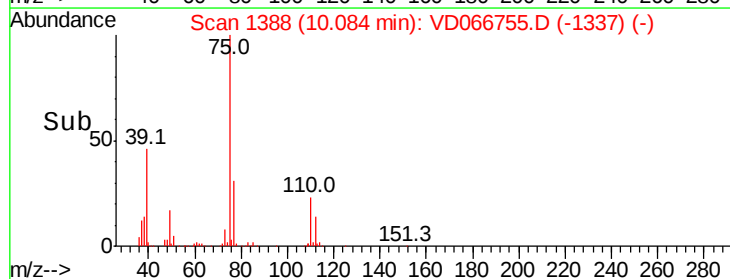
150000

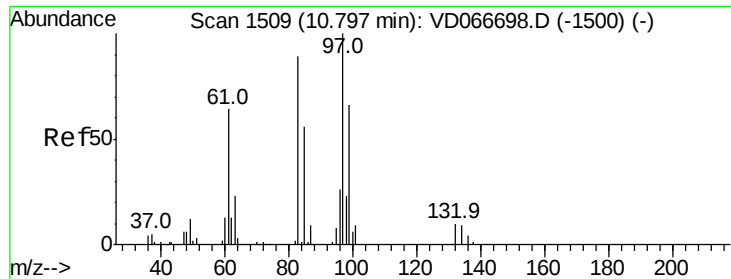
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.980 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 171405

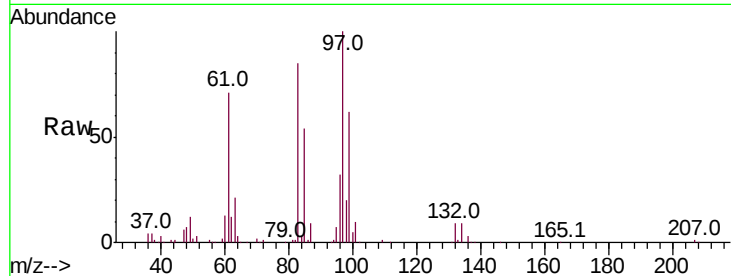
Ion Ratio Lower Upper

97 100

83 84.4 71.4 107.2

85 54.5 44.7 67.1

99 61.7 52.4 78.6

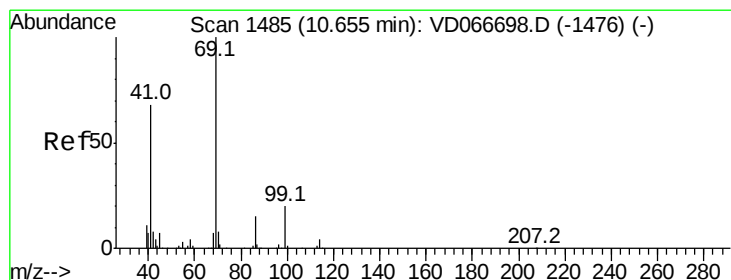
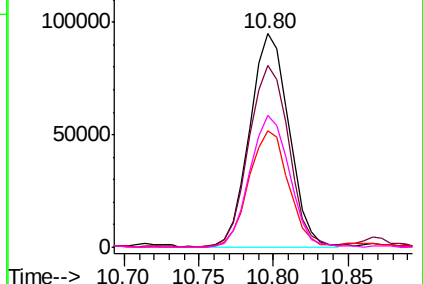
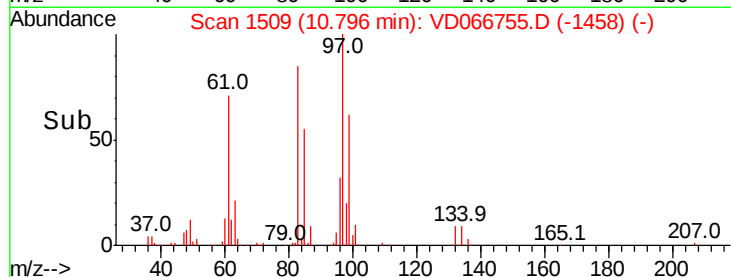


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 58.773 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

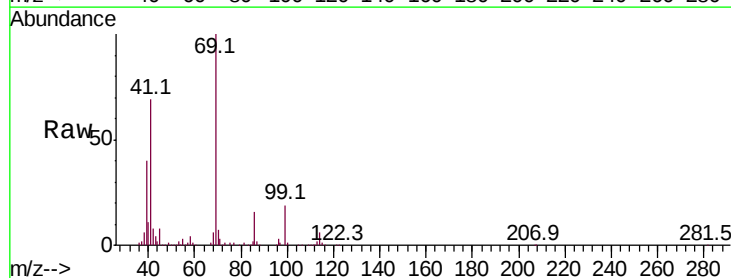
Tgt Ion: 69 Resp: 215781

Ion Ratio Lower Upper

69 100

41 68.3 55.5 83.3

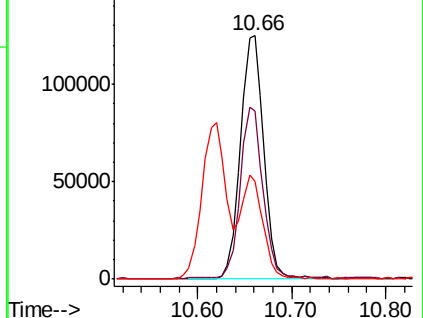
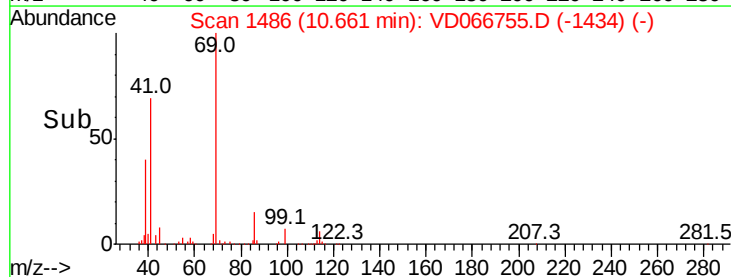
39 39.8 29.7 44.5

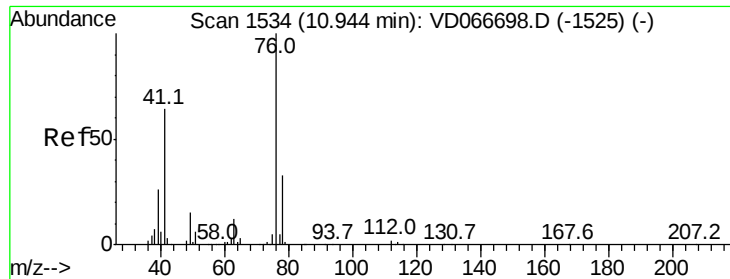


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.088 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

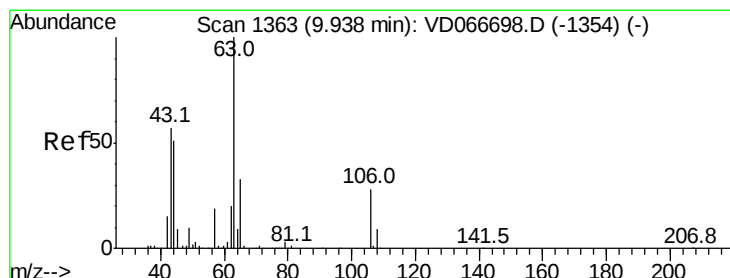
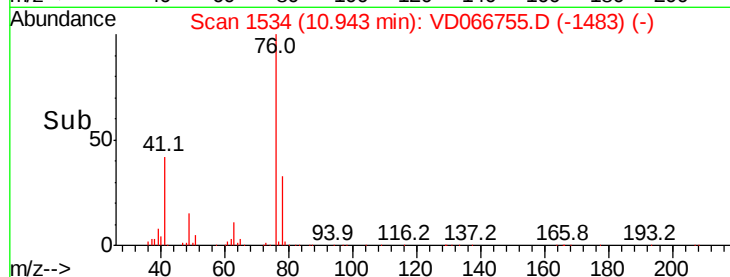
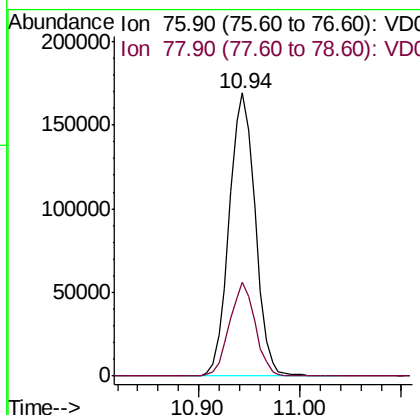
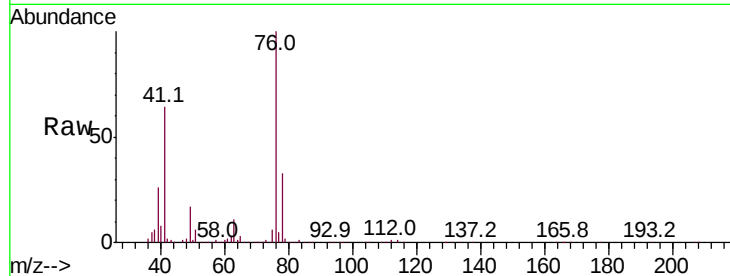
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 301417

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 277.444 ug/l

RT: 9.94 min Scan# 1363

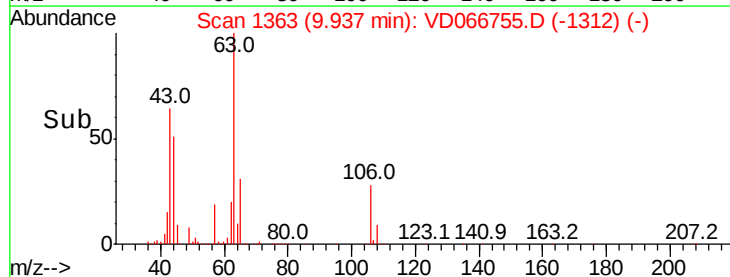
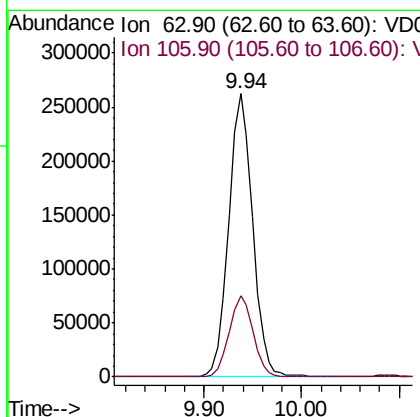
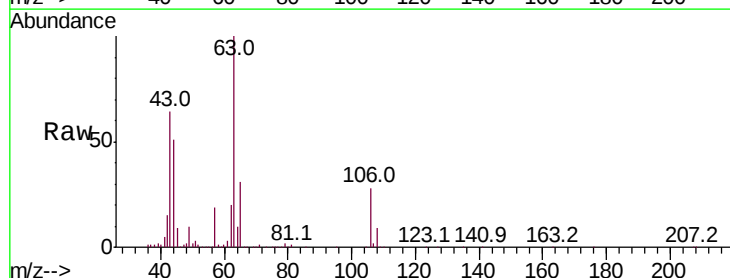
Delta R.T. -0.00 min

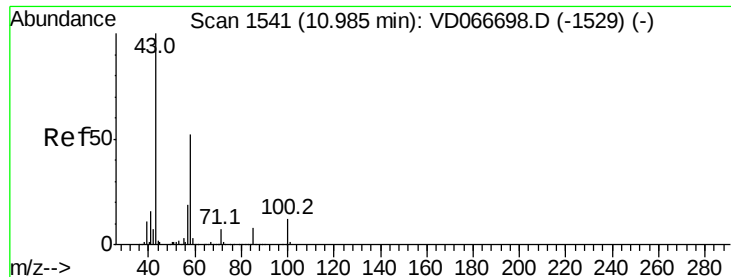
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Tgt Ion: 63 Resp: 447368

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.2	33.4

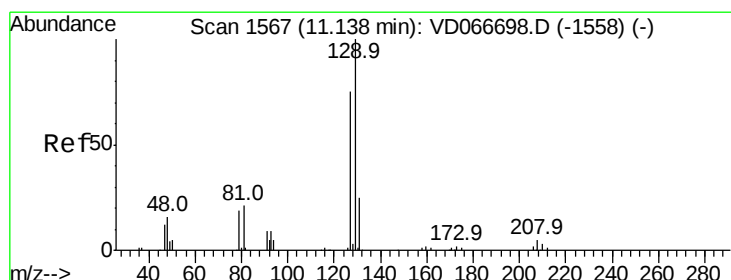
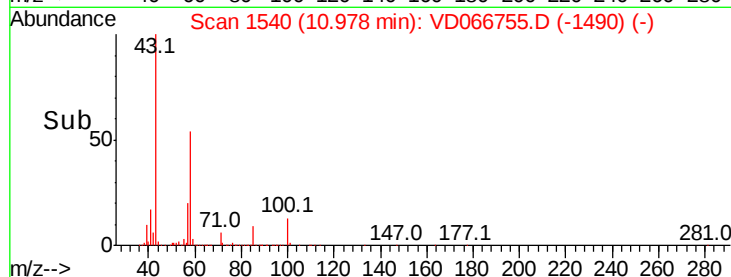
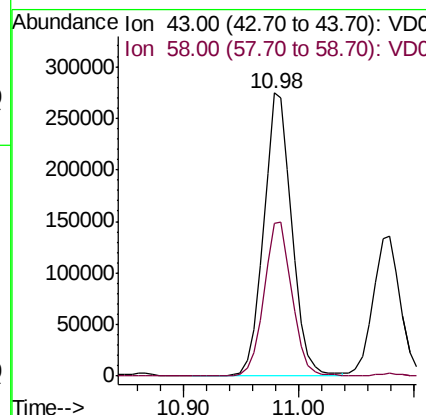
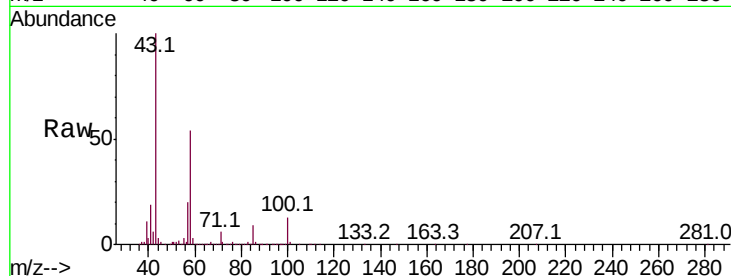




#59
2-Hexanone
Concen: 282.096 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

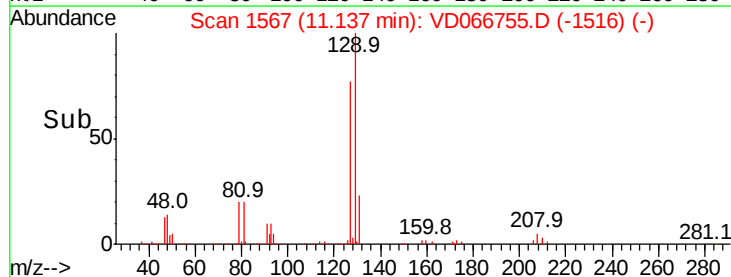
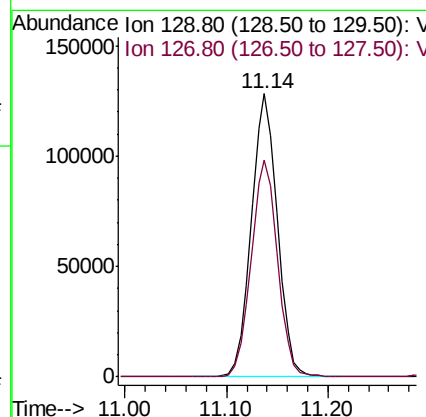
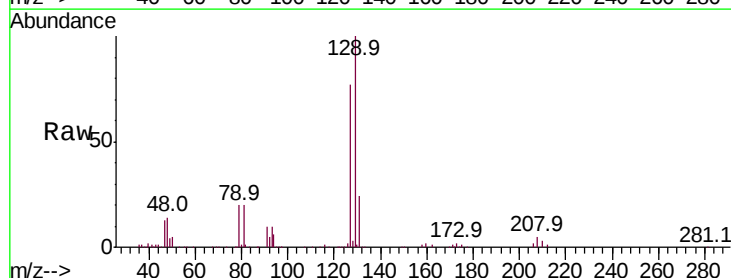
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

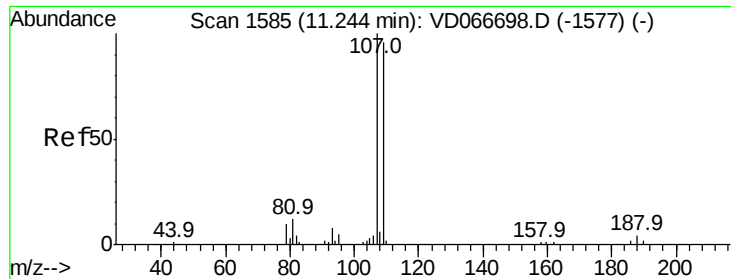
Tot Ion: 43 Resp: 464259
Ion Ratio Lower Upper
43 100
58 54.6 26.2 78.5



#60
Dibromochloromethane
Concen: 54.293 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 129 Resp: 228874
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3

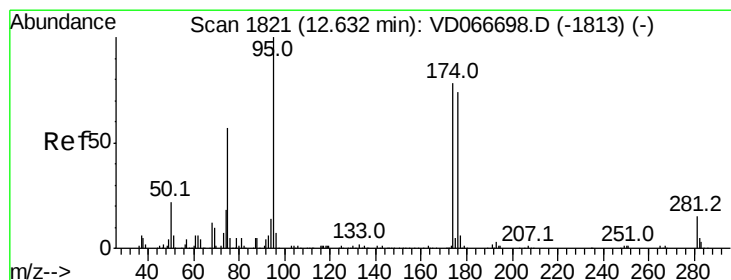
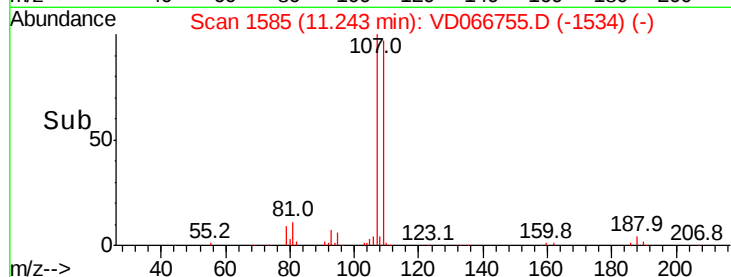
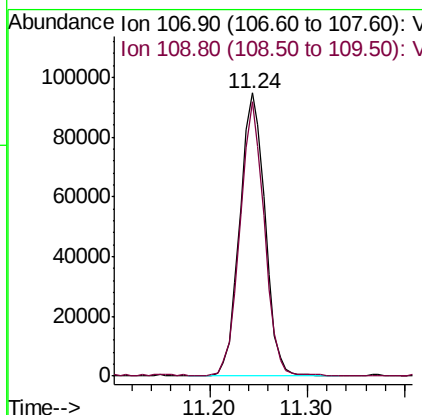
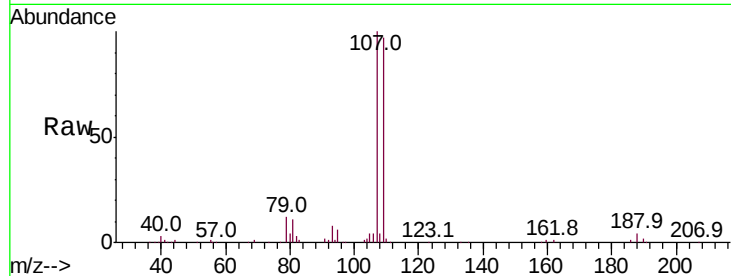




#61
 1,2-Dibromoethane
 Concen: 55.301 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

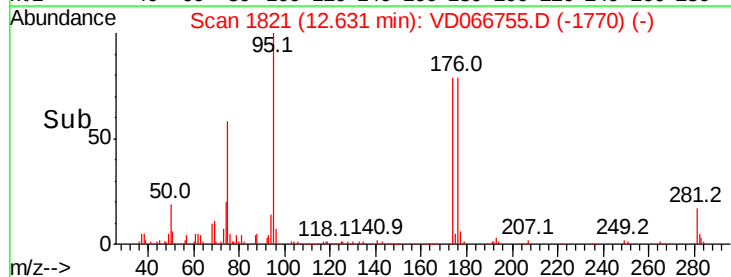
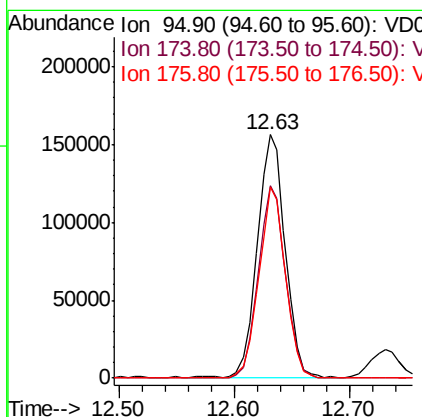
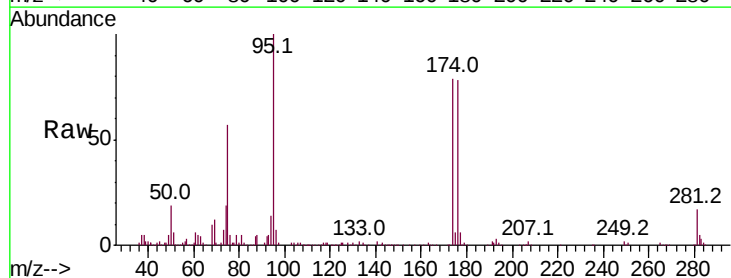
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

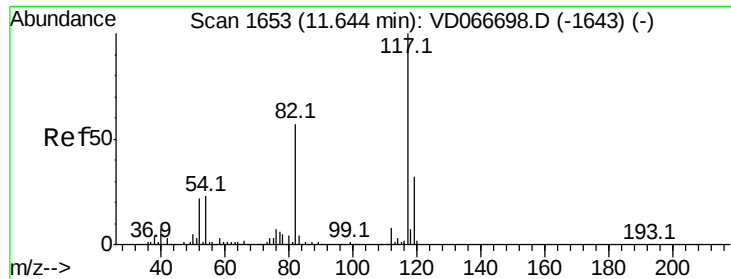
Tot Ion:107 Resp: 171625
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.315 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion: 95 Resp: 261050
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 156.6
 176 75.2 0.0 150.2

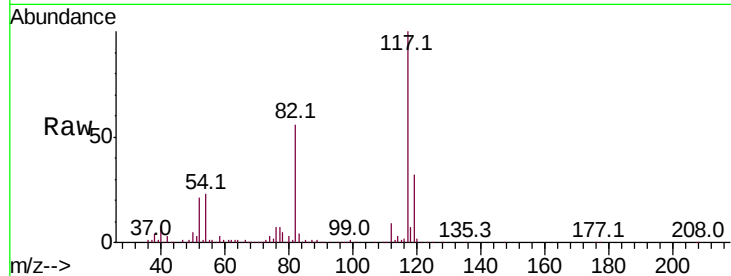




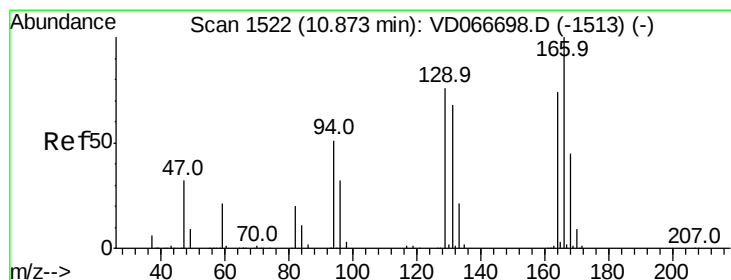
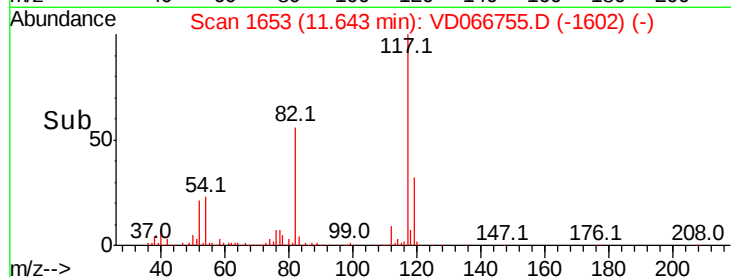
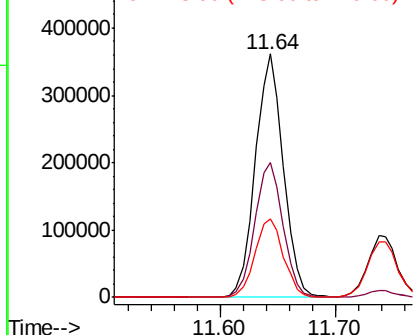
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 611603
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 32.5 25.8 38.6

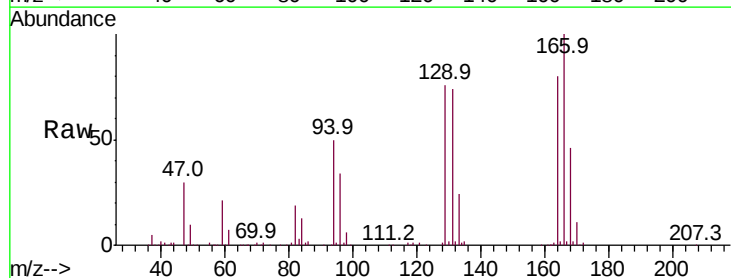


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

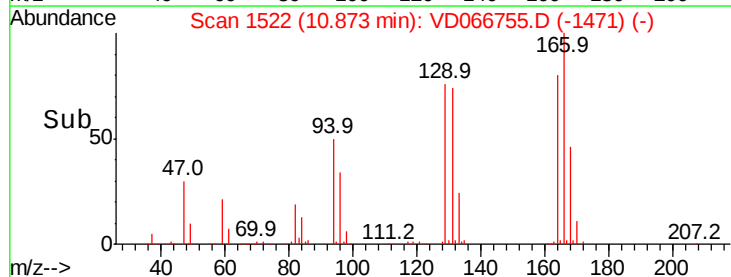
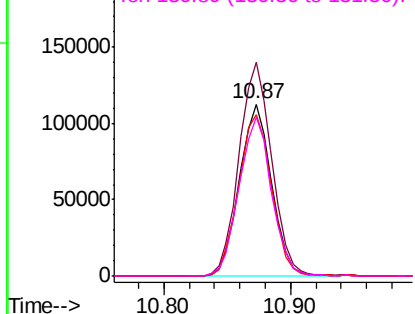


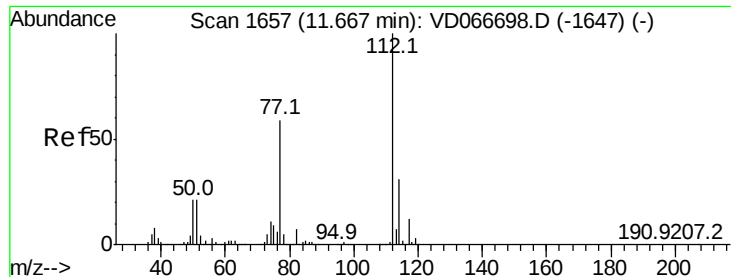
#64
Tetrachloroethene
Concen: 47.342 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion:164 Resp: 197654
Ion Ratio Lower Upper
164 100
166 124.4 107.5 161.3
129 94.1 81.4 122.0
131 92.1 73.0 109.6



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

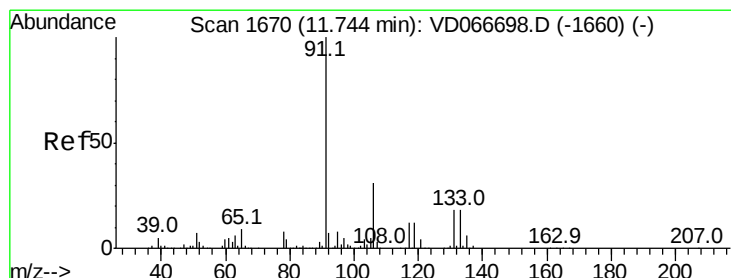
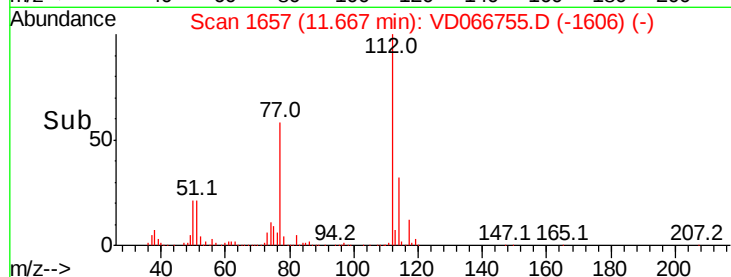
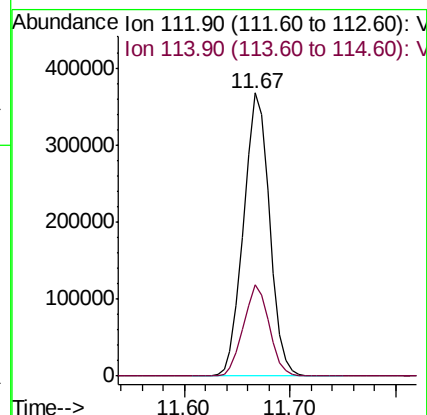
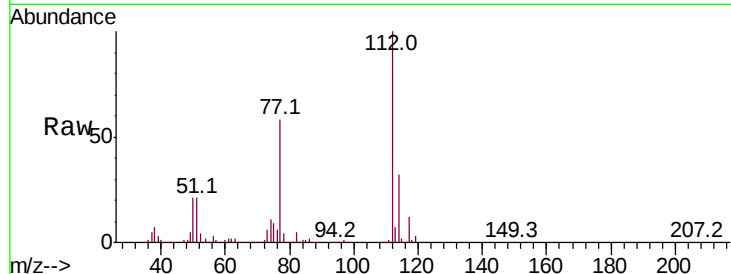




#65
Chlorobenzene
Concen: 49.437 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

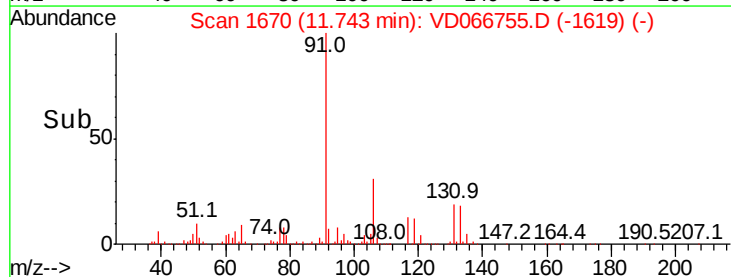
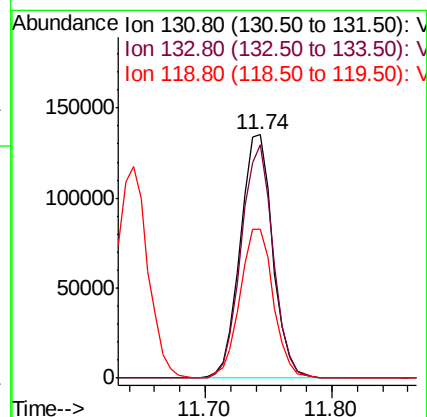
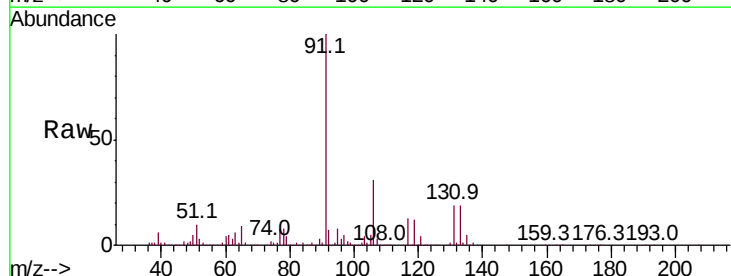
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

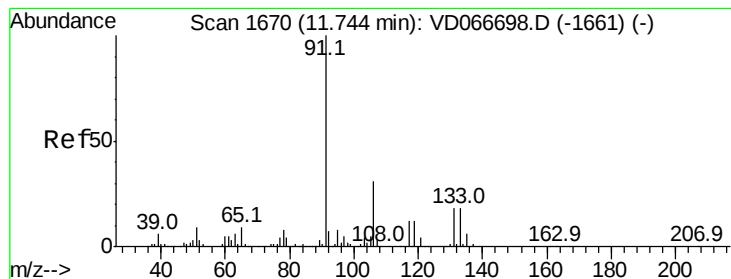
Tot Ion:112 Resp: 626013
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.244 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion:131 Resp: 239415
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 63.2 33.6 100.8





#67

Ethyl Benzene

Concen: 49.451 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

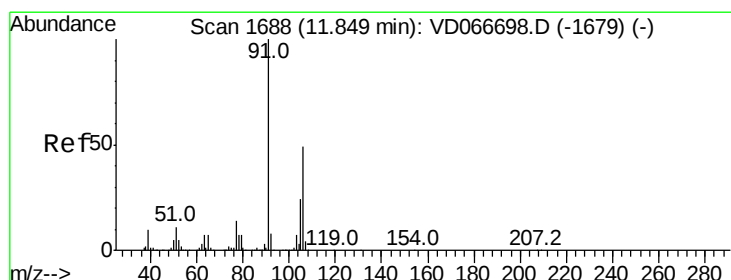
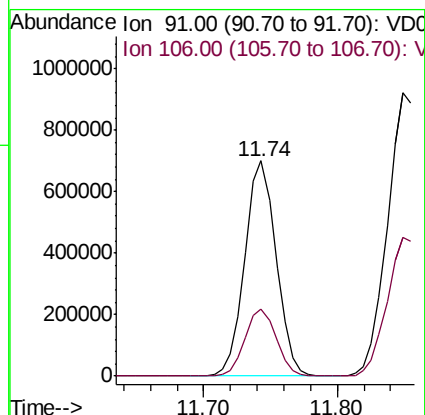
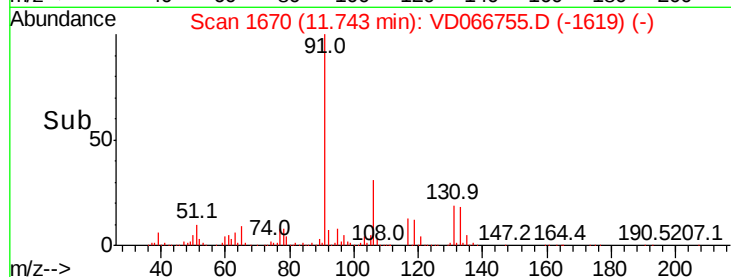
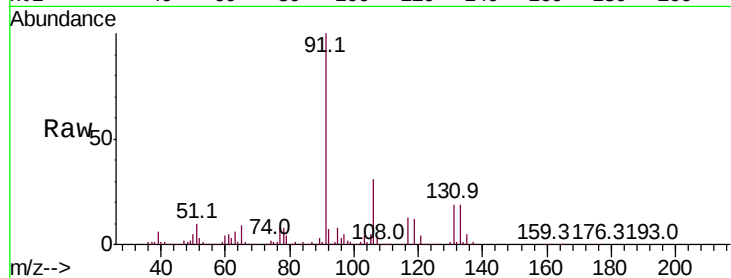
VSTDCCC050EC

Tot Ion: 91 Resp: 1134230

Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



#68

m/p-Xylenes

Concen: 99.826 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066755.D

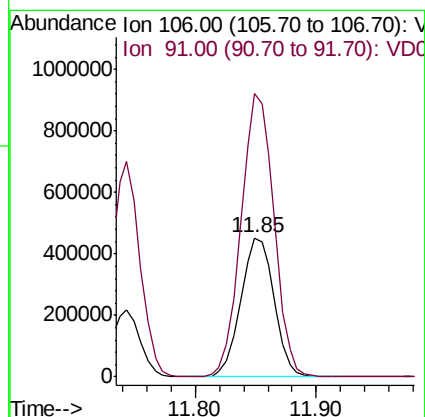
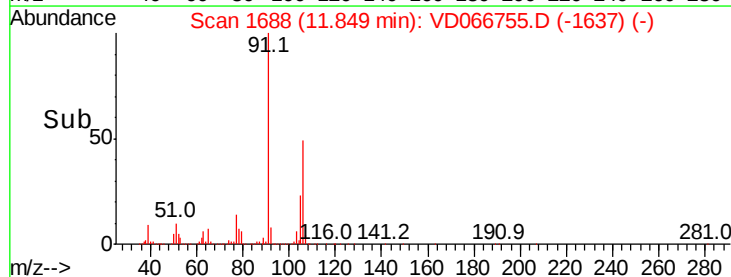
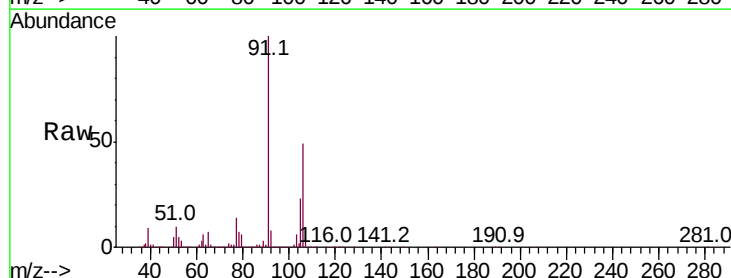
Acq: 17 Sep 2020 20:08

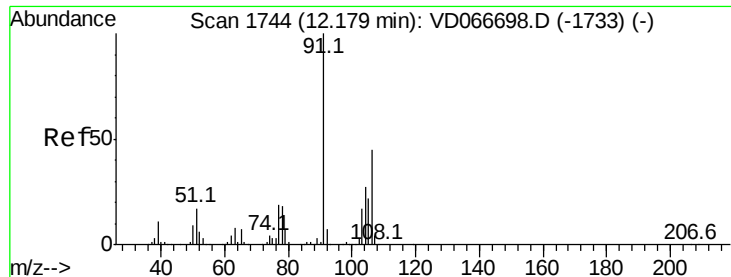
Tgt Ion: 106 Resp: 865369

Ion Ratio Lower Upper

106 100

91 202.5 164.8 247.2

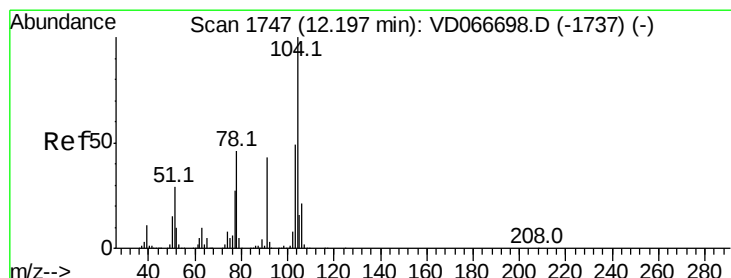
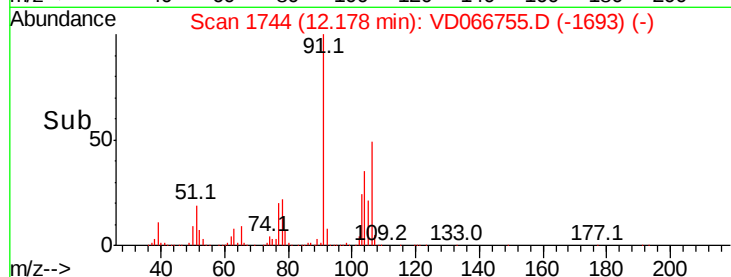
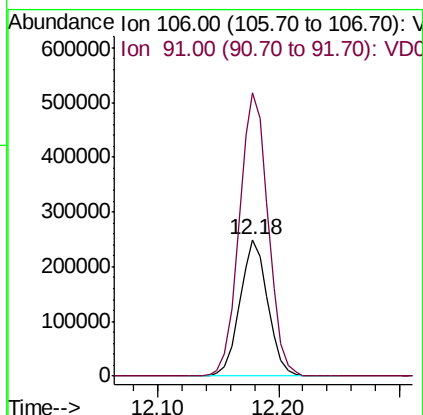
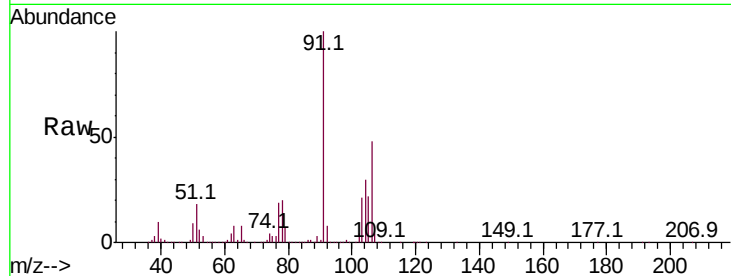




#69
o-Xylene
Concen: 52.320 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

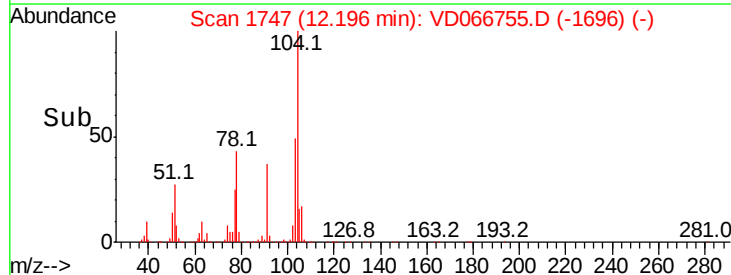
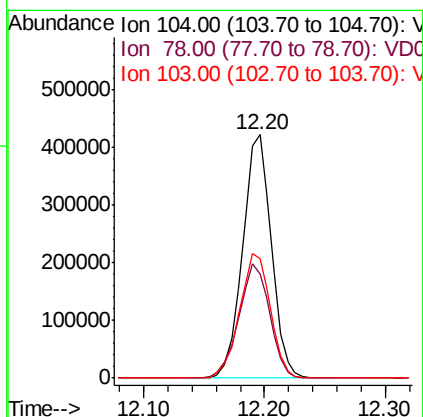
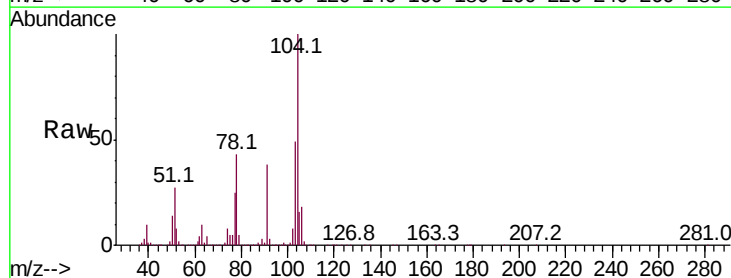
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

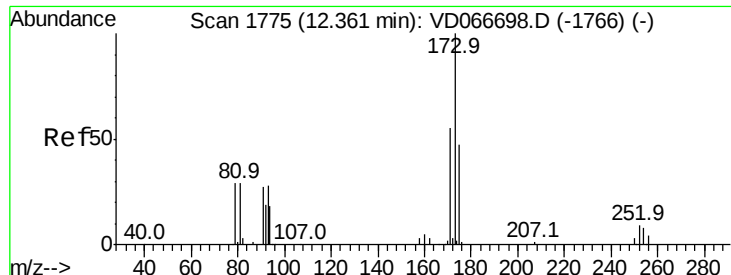
Tot Ion:106 Resp: 400801
Ion Ratio Lower Upper
106 100
91 214.7 109.4 328.2



#70
Styrene
Concen: 52.005 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion:104 Resp: 701177
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 54.8 42.5 63.7





#71

Bromoform

Concen: 52.350 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

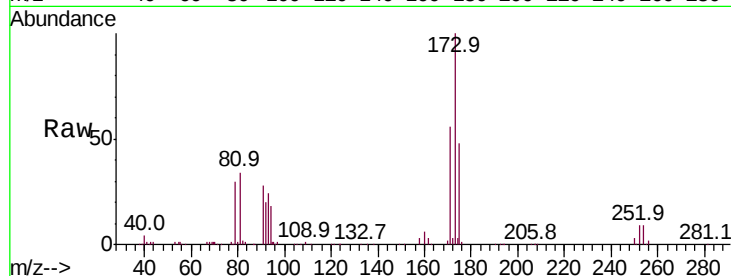
Tot Ion:173 Resp: 122747

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

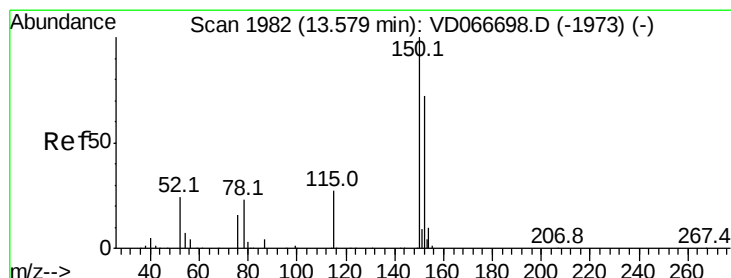
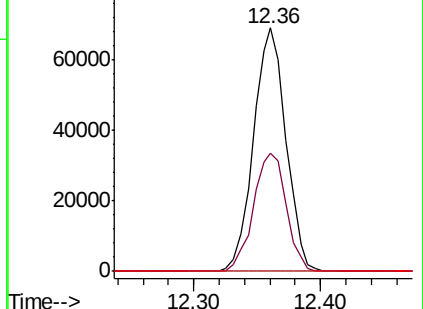
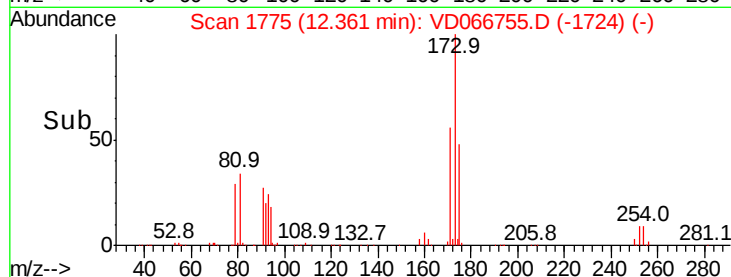
254 0.1 0.1 0.1#



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: VD066755.D

Acq: 17 Sep 2020 20:08

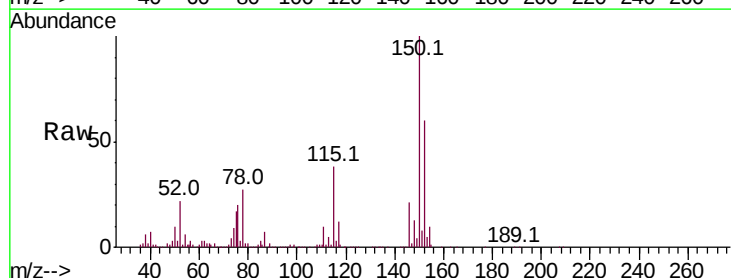
Tgt Ion:152 Resp: 279343

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

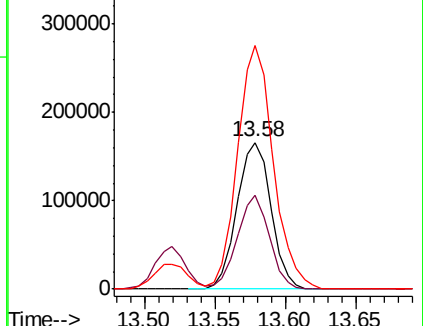
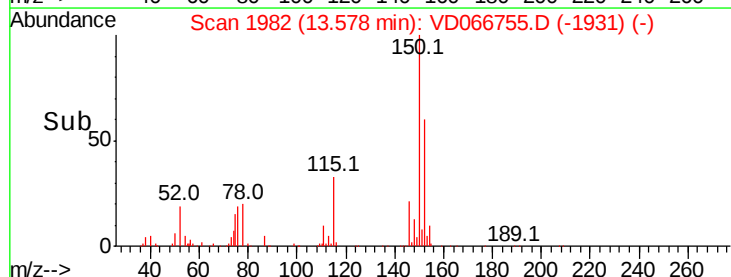
150 174.8 0.0 344.6

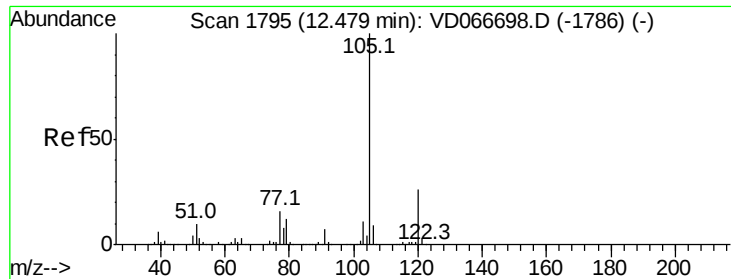


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.545 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

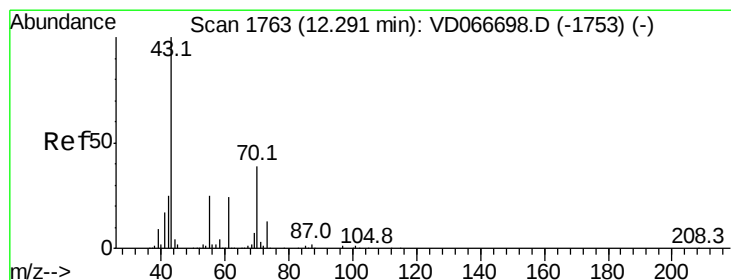
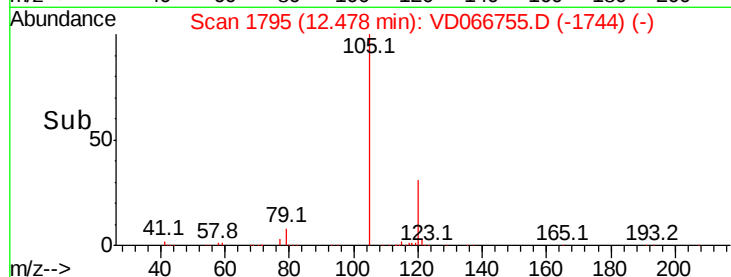
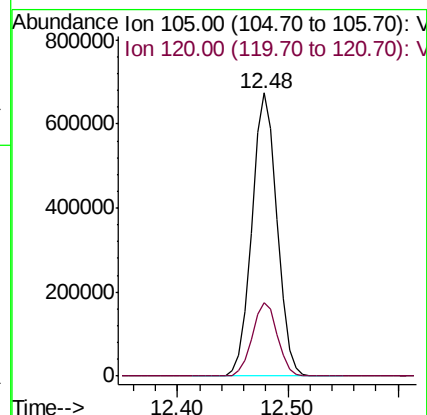
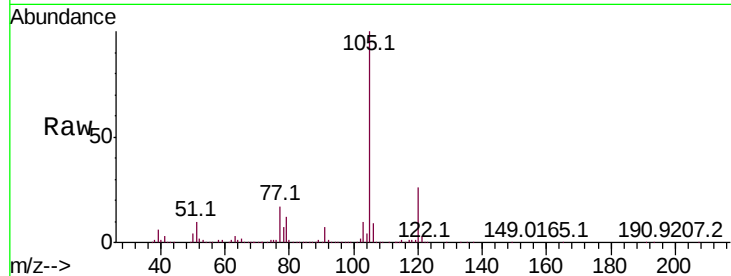
VSTDCCC050EC

Tot Ion:105 Resp: 1074894

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 54.153 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Tgt Ion: 43 Resp: 238216

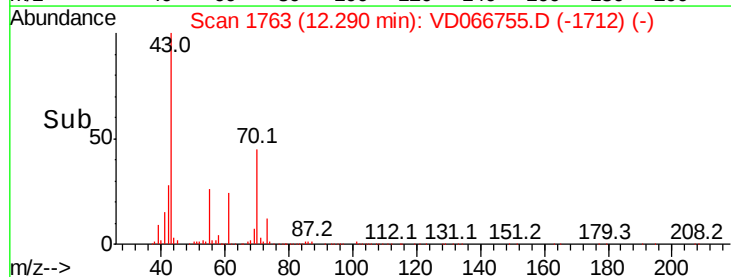
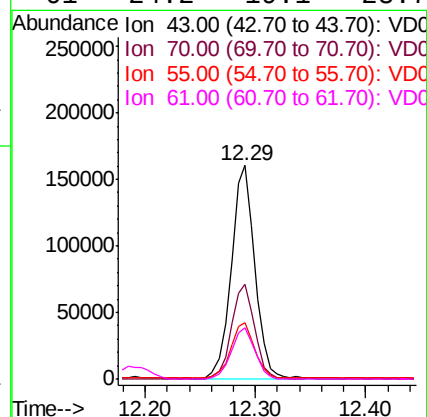
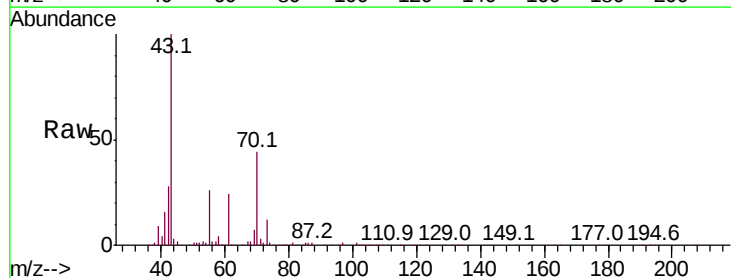
Ion Ratio Lower Upper

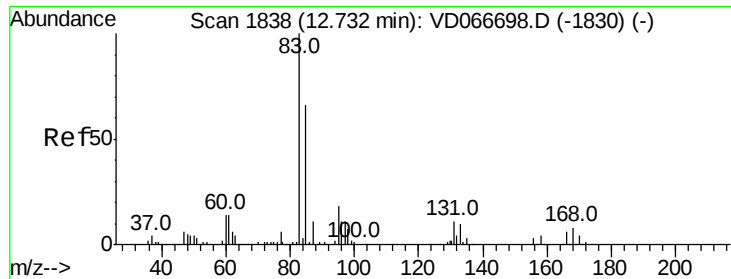
43 100

70 44.1 33.0 49.4

55 27.2 20.6 30.8

61 24.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.313 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

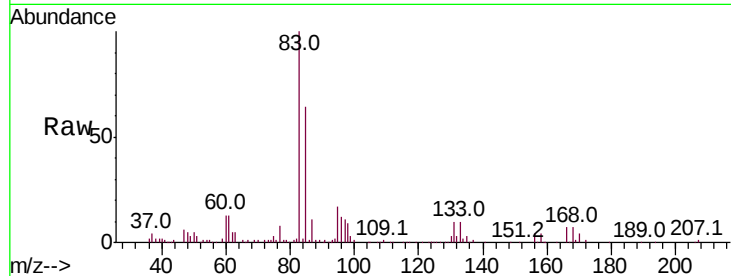
Tot Ion: 83 Resp: 185375

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.8	17.3
85	63.6	33.3	99.8

83 100

131 11.0 5.8 17.3

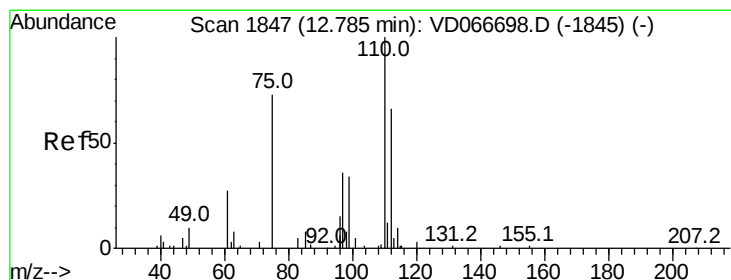
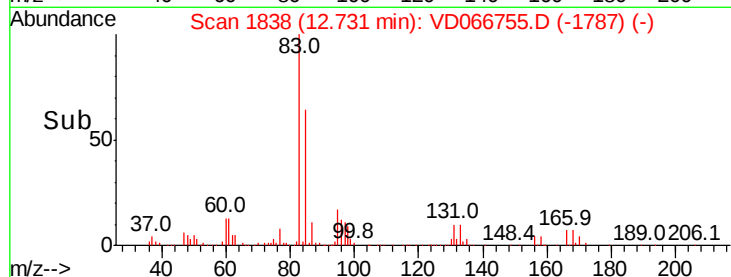
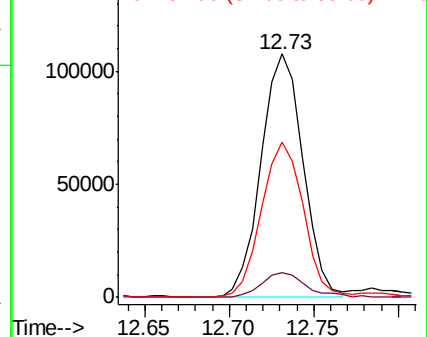
85 63.6 33.3 99.8



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: 102.801 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066755.D

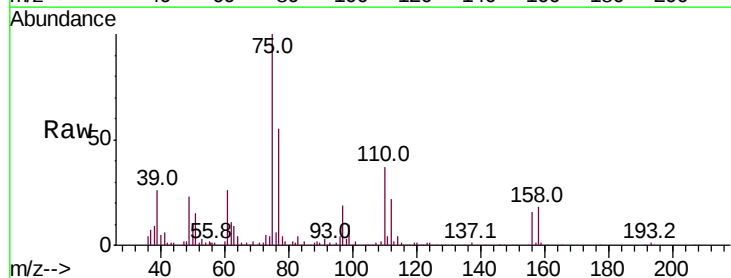
Acq: 17 Sep 2020 20:08

Tgt Ion: 75 Resp: 245805

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

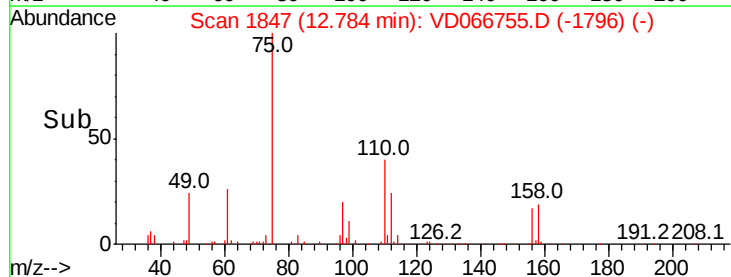
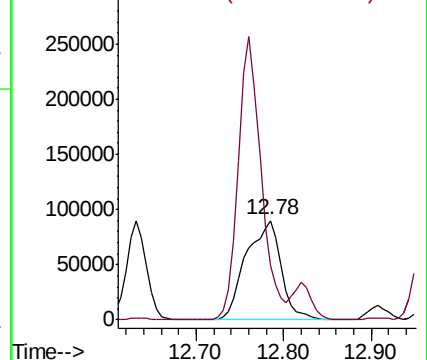
75 100

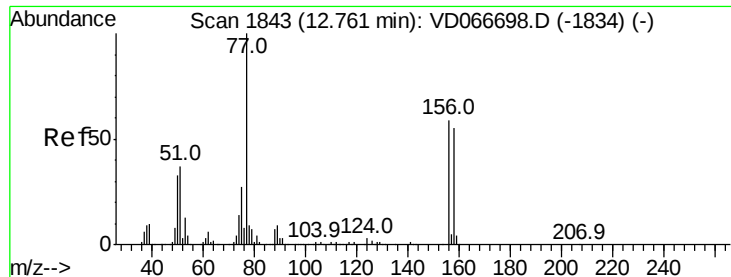
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.165 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

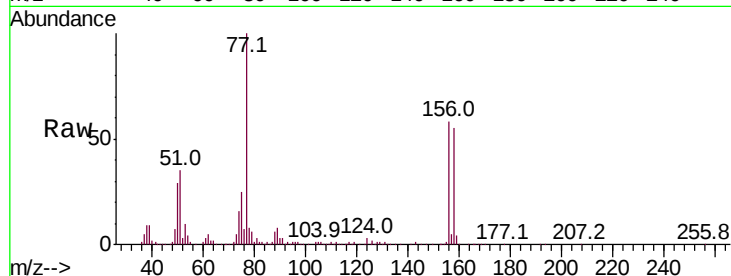
Tot Ion:156 Resp: 241114

Ion Ratio Lower Upper

156 100

77 189.8 95.8 287.3

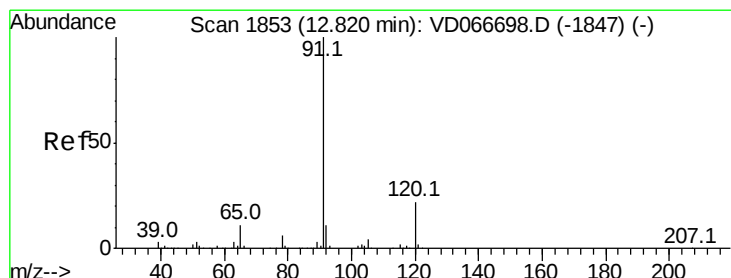
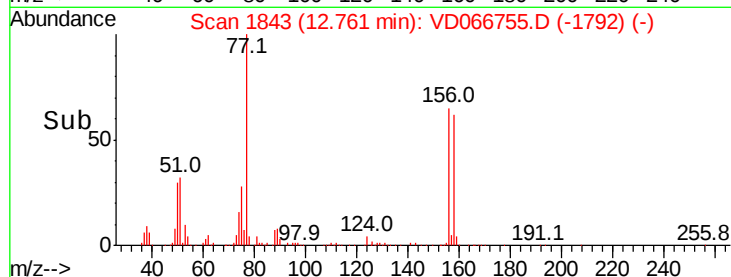
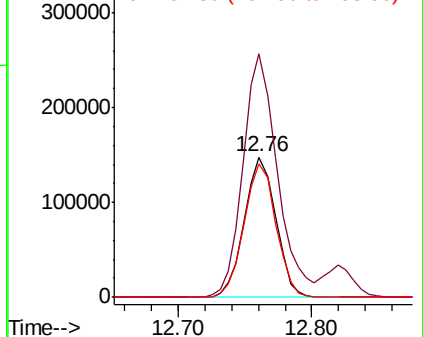
158 96.3 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VDC

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 49.850 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066755.D

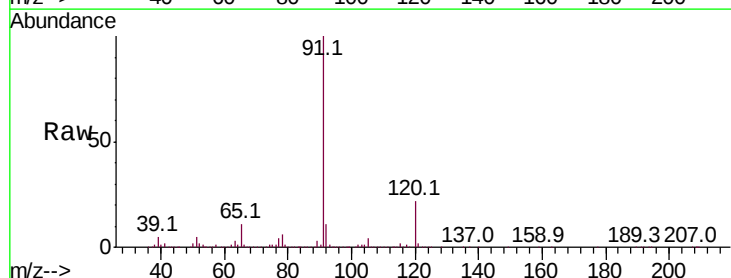
Acq: 17 Sep 2020 20:08

Tgt Ion: 91 Resp: 1267234

Ion Ratio Lower Upper

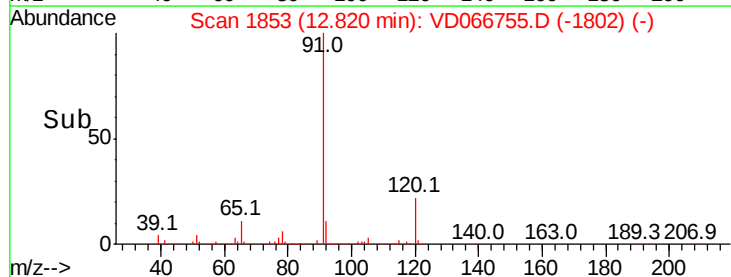
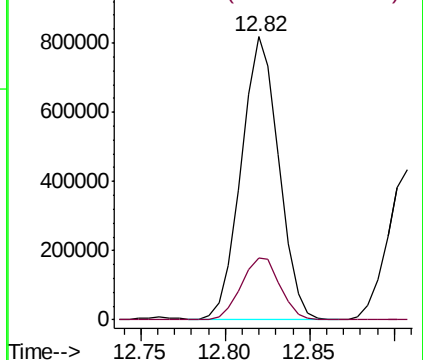
91 100

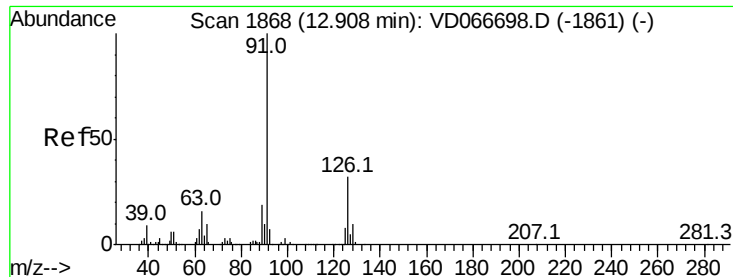
120 22.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.30): VDC

Ion 120.00 (119.70 to 120.30): V

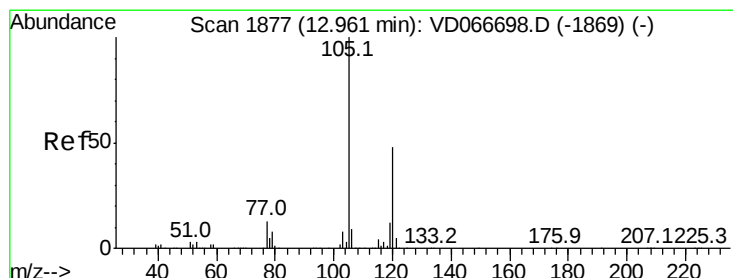
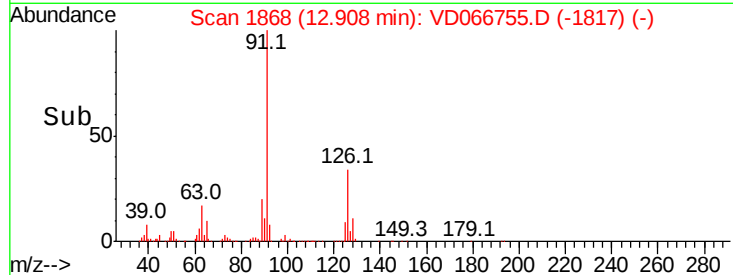
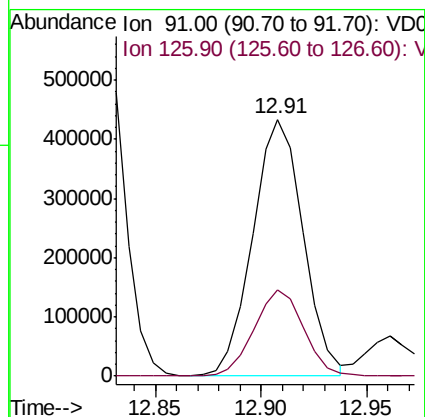
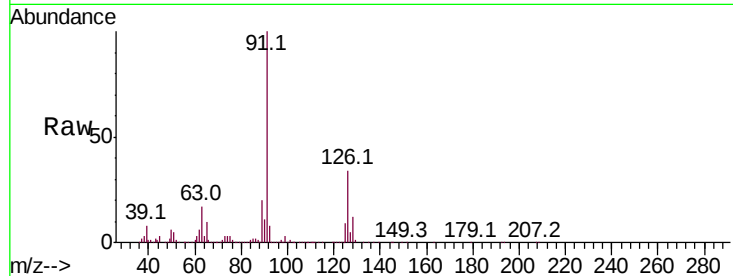




#79
2-Chlorotoluene
Concen: 49.807 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

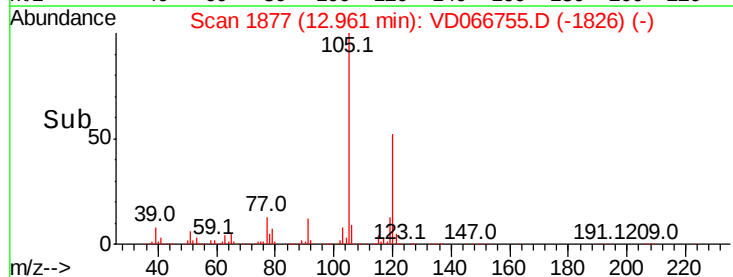
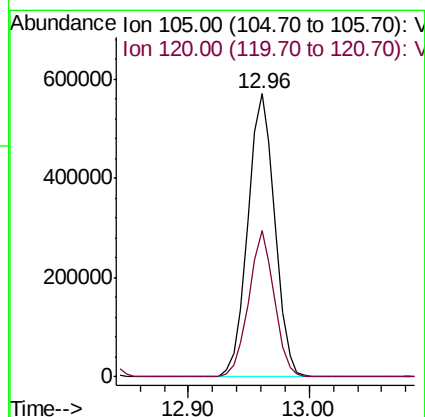
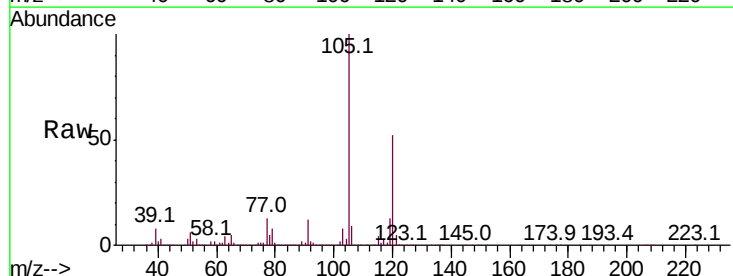
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

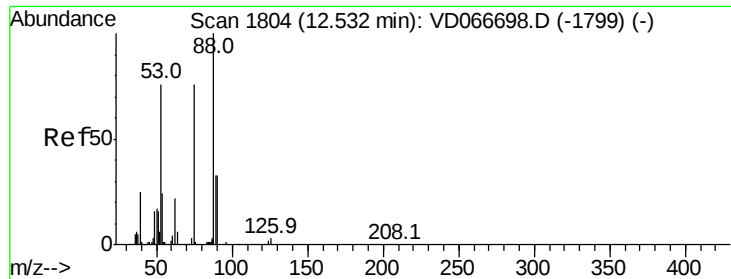
Tot Ion: 91 Resp: 715939
Ion Ratio Lower Upper
91 100
126 33.1 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.433 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 105 Resp: 889244
Ion Ratio Lower Upper
105 100
120 49.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.583 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

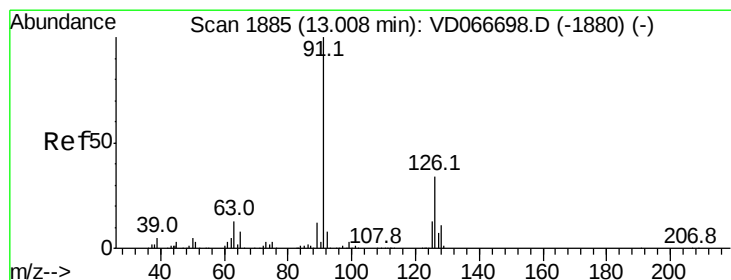
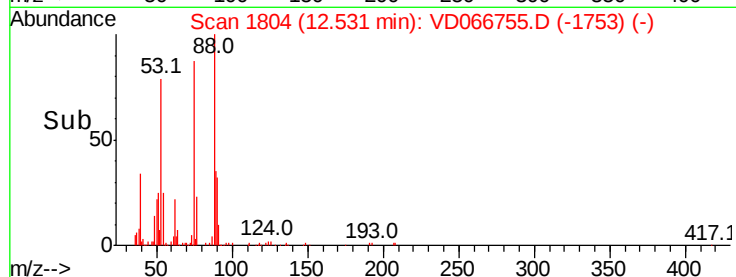
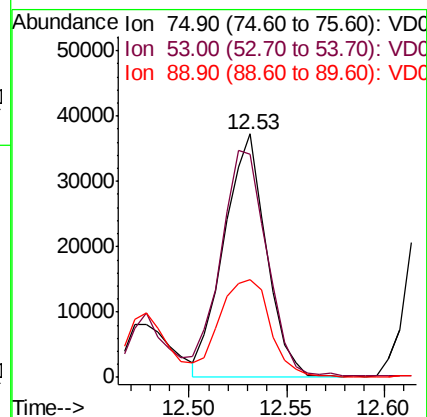
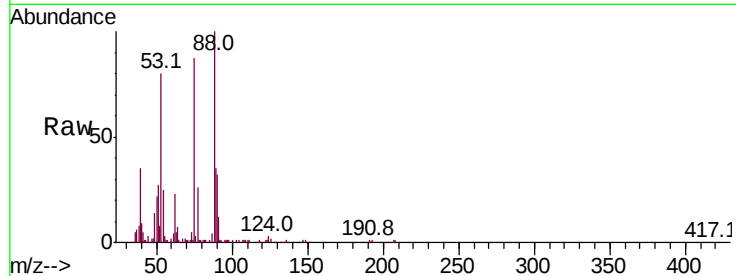
Tot Ion: 75 Resp: 56042

Ion Ratio Lower Upper

75 100

53 102.5 82.2 123.4

89 48.1 39.6 59.4



#82

4-Chlorotoluene

Concen: 49.515 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066755.D

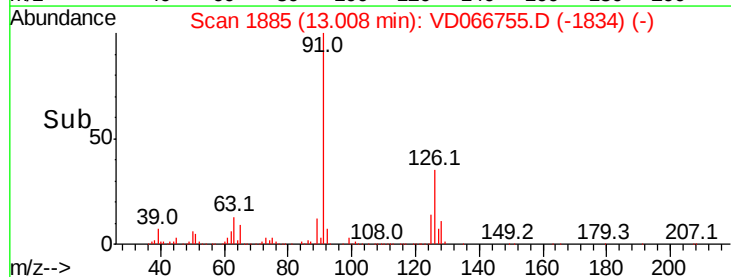
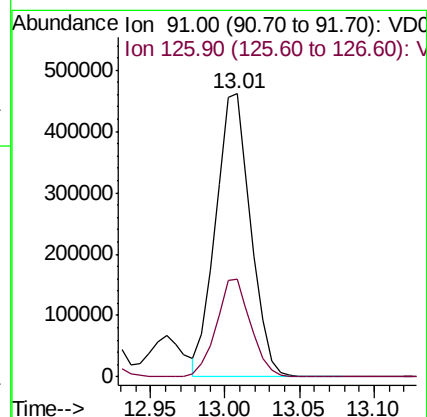
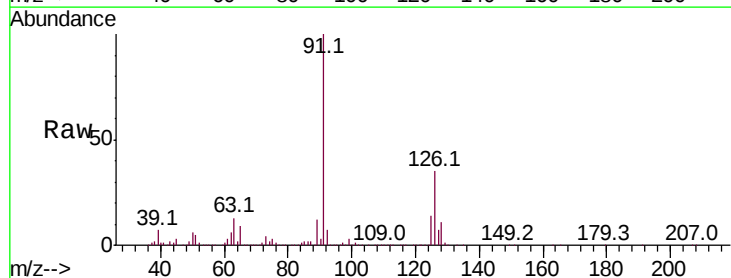
Acq: 17 Sep 2020 20:08

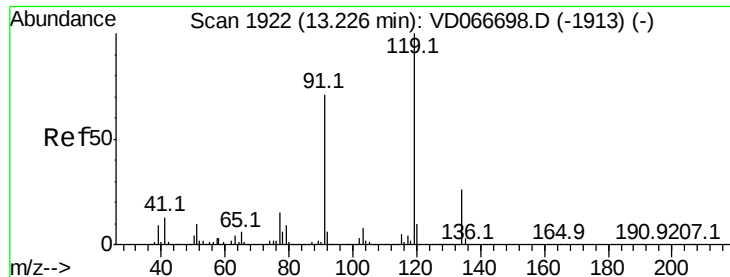
Tgt Ion: 91 Resp: 752567

Ion Ratio Lower Upper

91 100

126 34.2 16.8 50.4

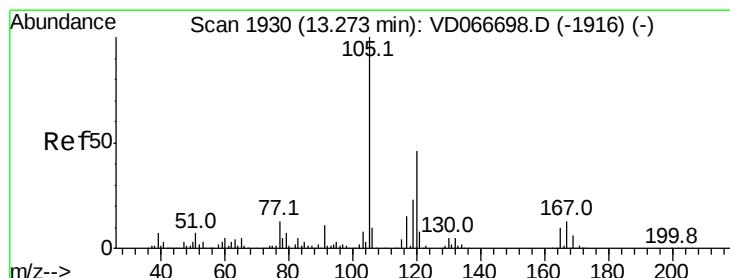
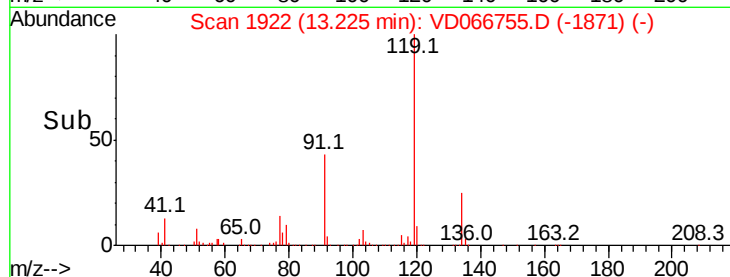
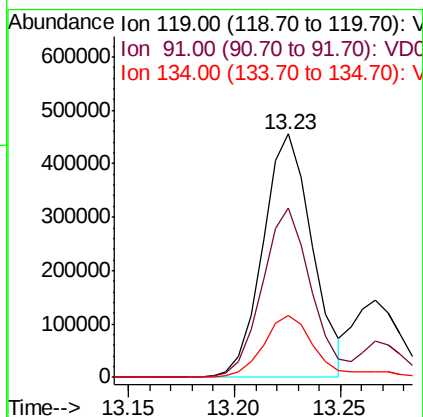
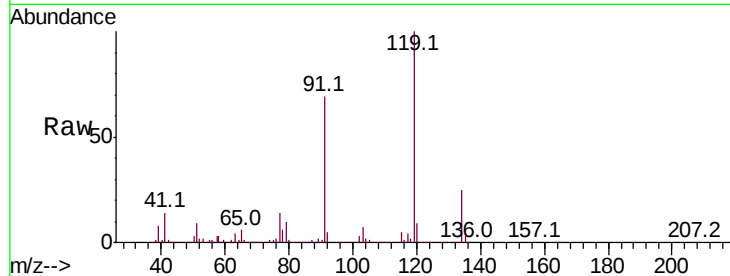




#83
tert-Butylbenzene
Concen: 50.916 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

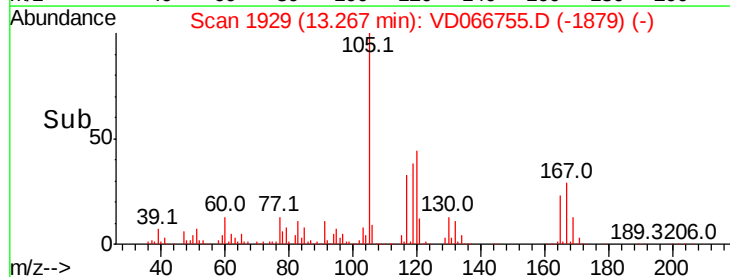
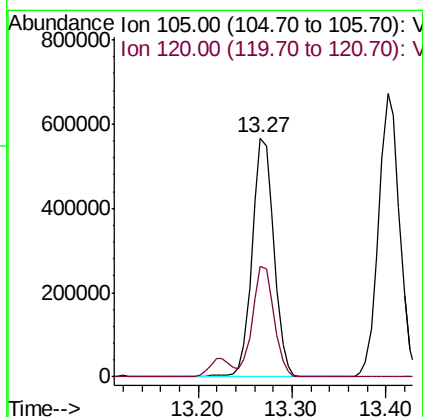
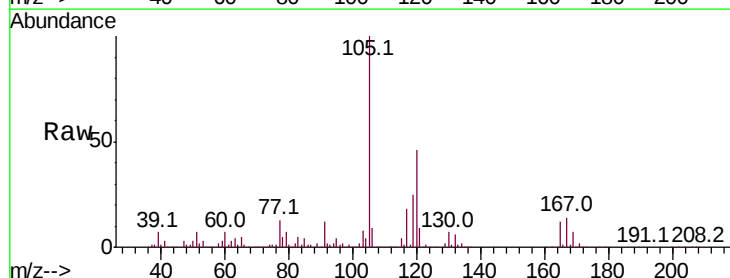
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

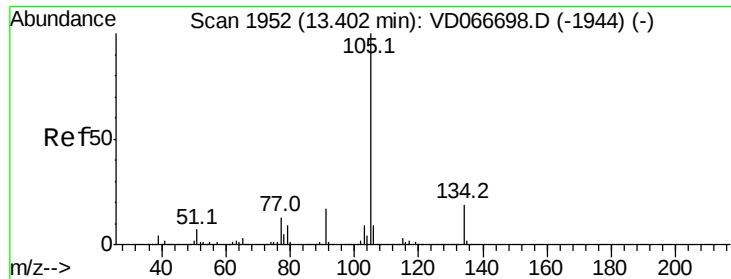
Tot Ion:119 Resp: 739948
Ion Ratio Lower Upper
119 100
91 69.2 35.0 105.1
134 27.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.621 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion:105 Resp: 909617
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.2





#85

sec-Butylbenzene

Concen: 49.818 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

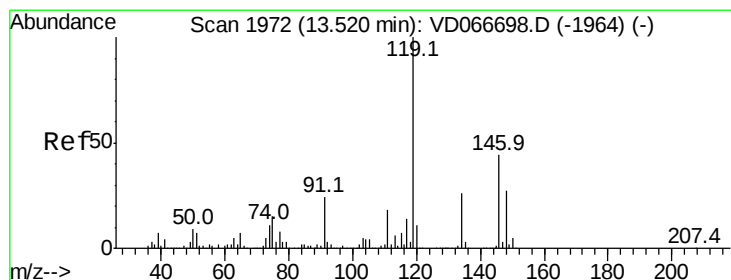
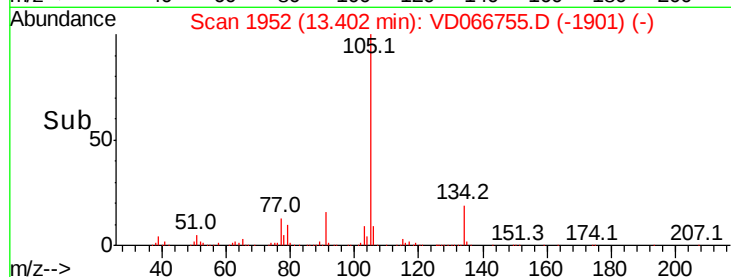
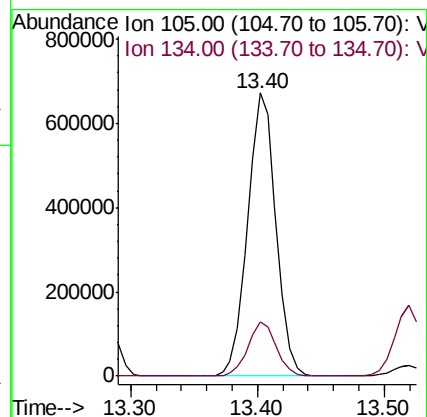
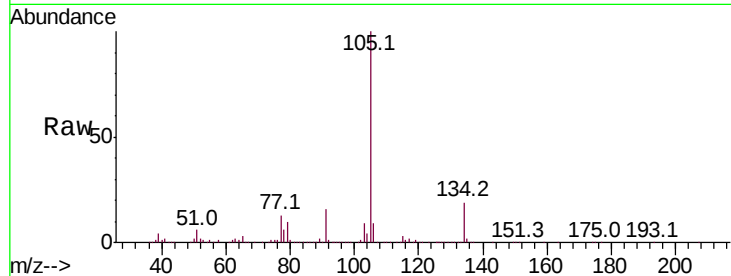
VSTDCCC050EC

Tot Ion:105 Resp: 1037927

Ion Ratio Lower Upper

105 100

134 19.3 10.0 30.0



#86

p-Isopropyltoluene

Concen: 50.311 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

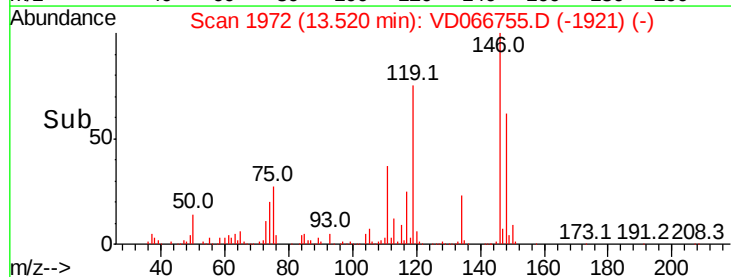
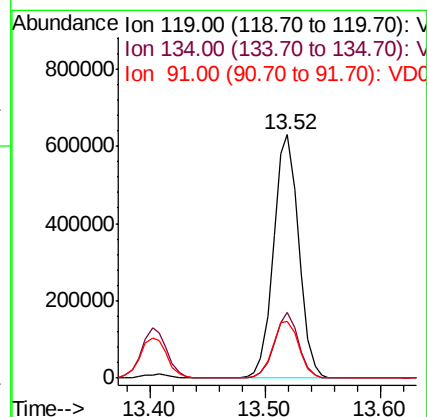
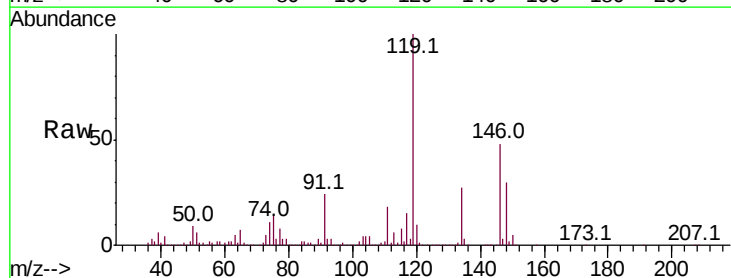
Tgt Ion:119 Resp: 952937

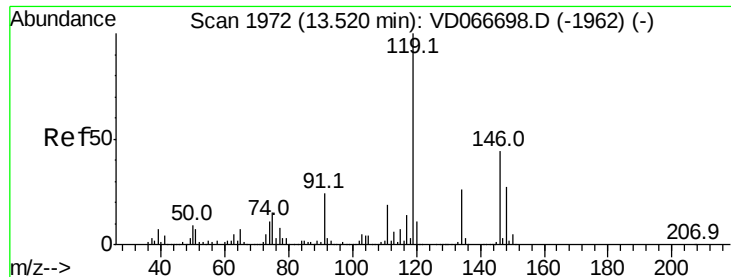
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.850 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

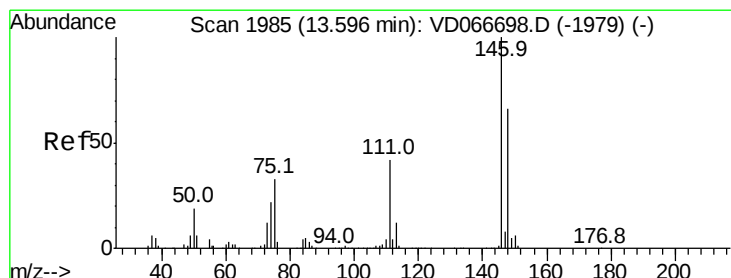
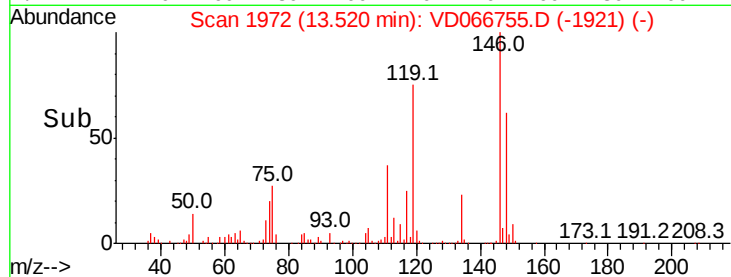
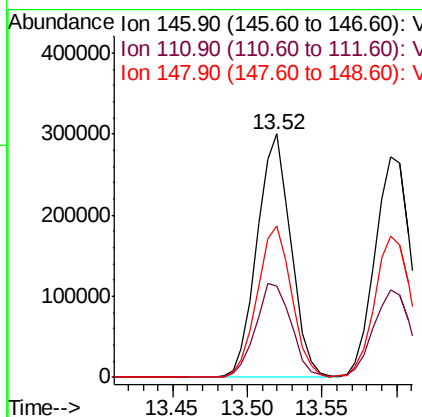
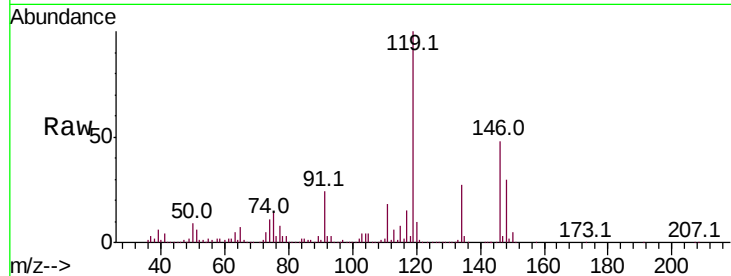
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 468903

Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.3
148	63.2	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 49.484 ug/l

RT: 13.60 min Scan# 1985

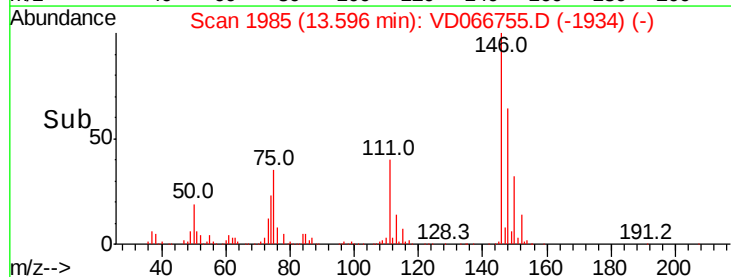
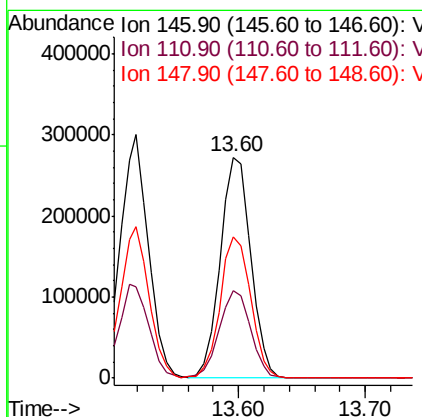
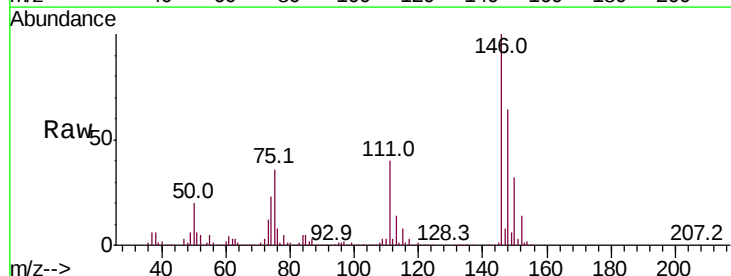
Delta R.T. -0.00 min

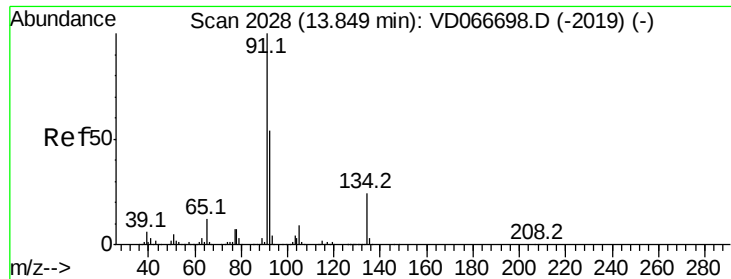
Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Tgt Ion:146 Resp: 454387

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	64.1	32.7	98.1

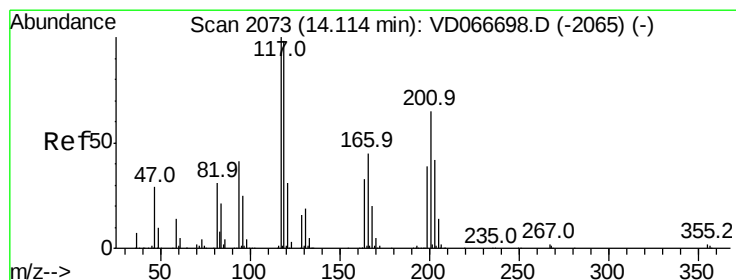
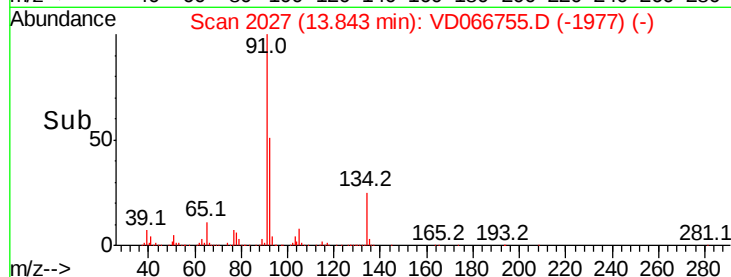
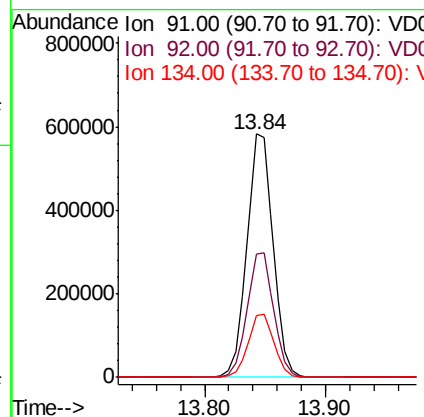
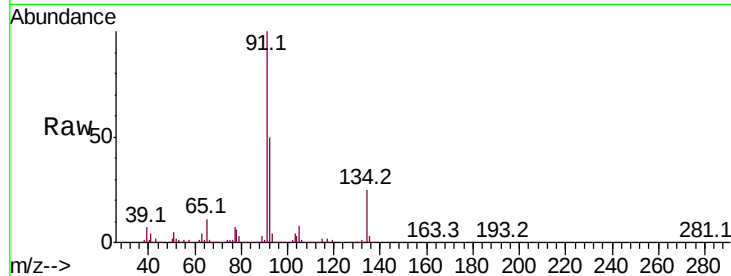




#89
n-Butylbenzene
Concen: 49.039 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

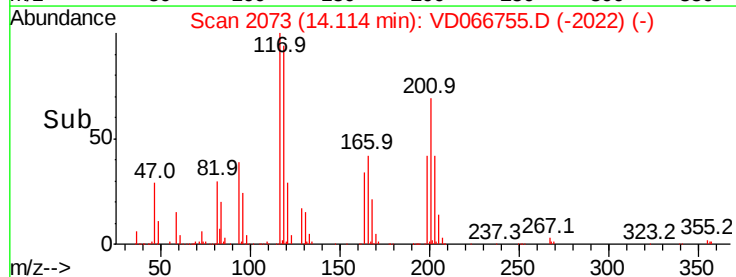
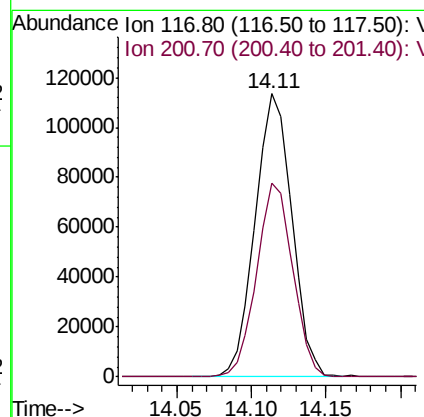
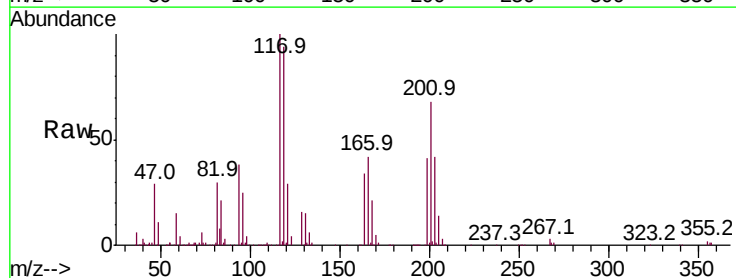
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

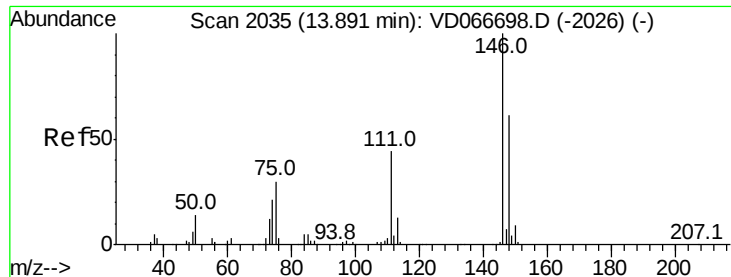
Tot Ion: 91 Resp: 883231
Ion Ratio Lower Upper
91 100
92 51.7 27.0 81.0
134 25.6 12.4 37.0



#90
Hexachloroethane
Concen: 49.674 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066755.D
Acq: 17 Sep 2020 20:08

Tgt Ion: 117 Resp: 193282
Ion Ratio Lower Upper
117 100
201 67.1 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 50.884 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

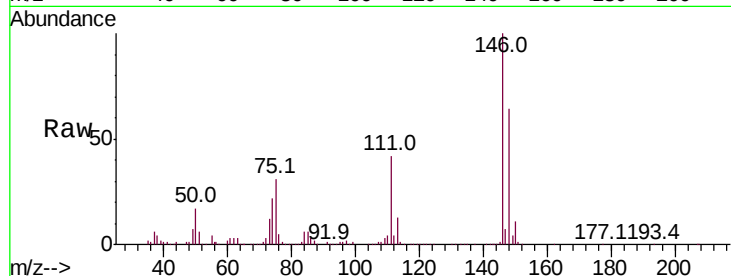
Tot Ion:146 Resp: 402045

Ion Ratio Lower Upper

146 100

111 42.9 21.6 64.6

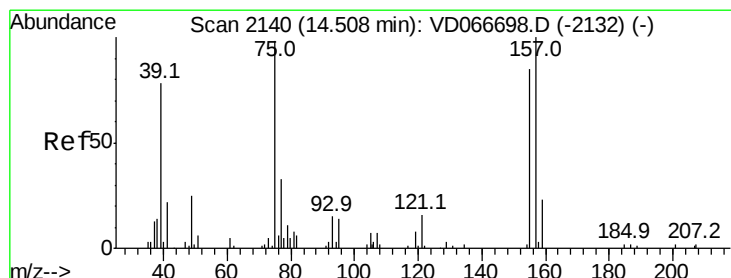
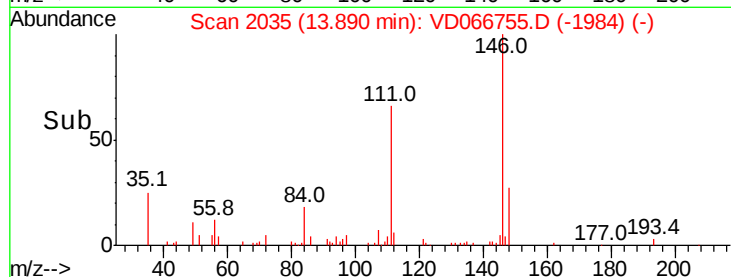
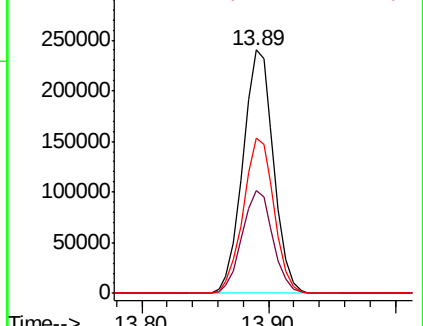
148 64.4 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.936 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

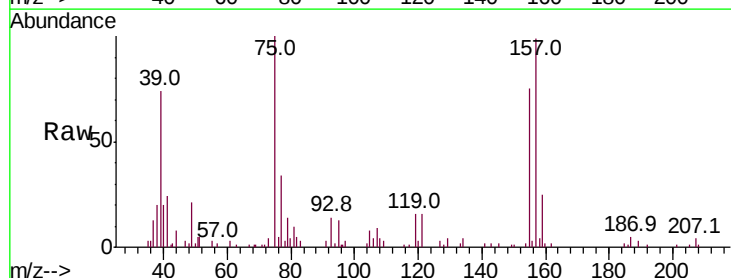
Tgt Ion: 75 Resp: 30323

Ion Ratio Lower Upper

75 100

155 80.2 38.9 116.7

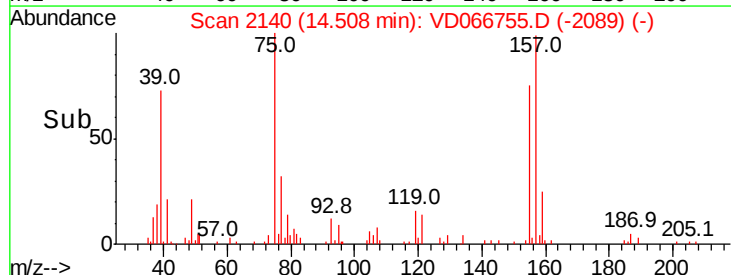
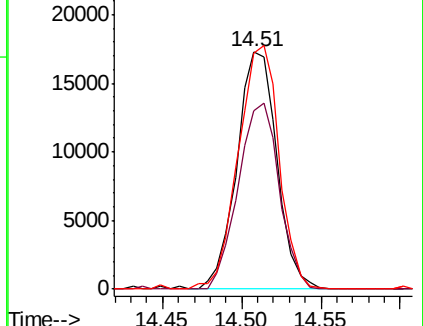
157 104.4 46.4 139.2

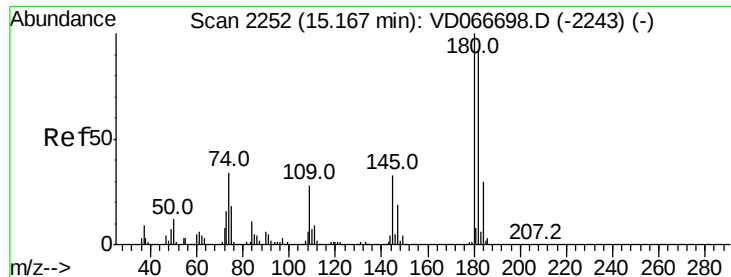


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

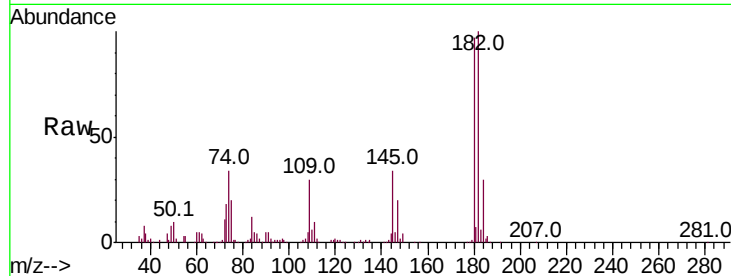




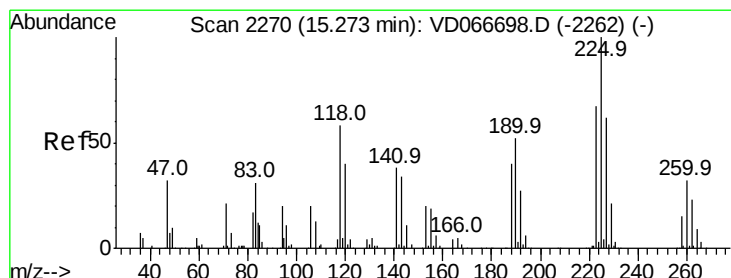
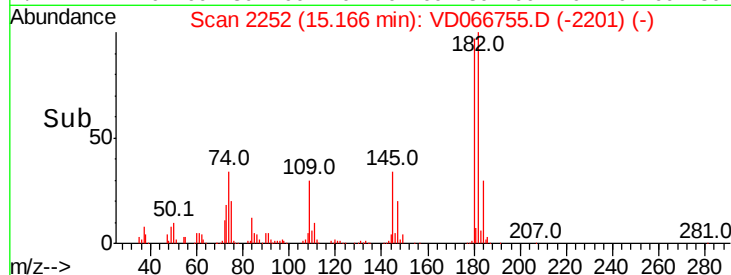
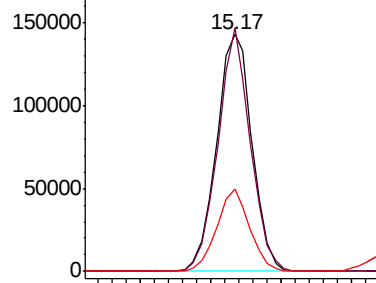
#93
 1,2,4-Trichlorobenzene
 Concen: 52.540 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.6	139.7
145	32.4	16.5	49.5

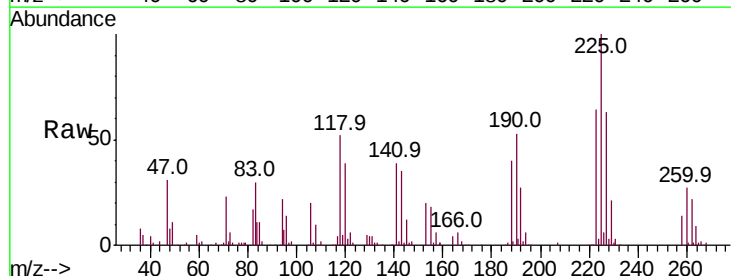


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

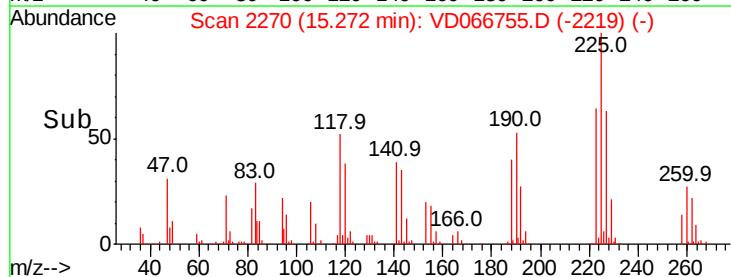
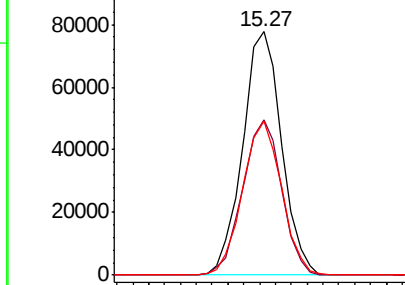


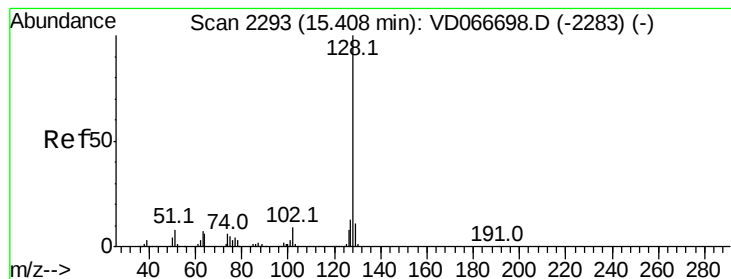
#94
 Hexachlorobutadiene
 Concen: 46.024 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066755.D
 Acq: 17 Sep 2020 20:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.9
227	63.5	31.3	93.9



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





#95

Naphthalene

Concen: 59.860 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

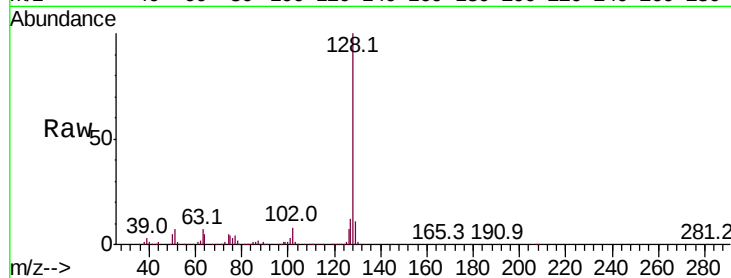
Tot Ion:128 Resp: 499804

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

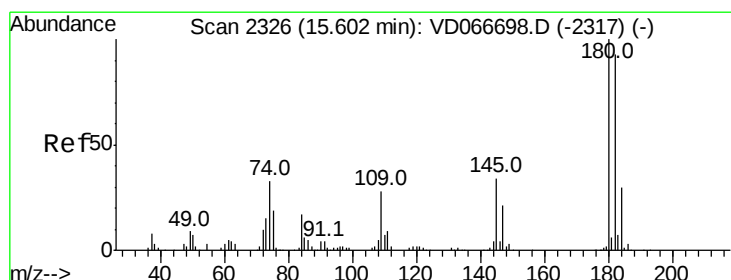
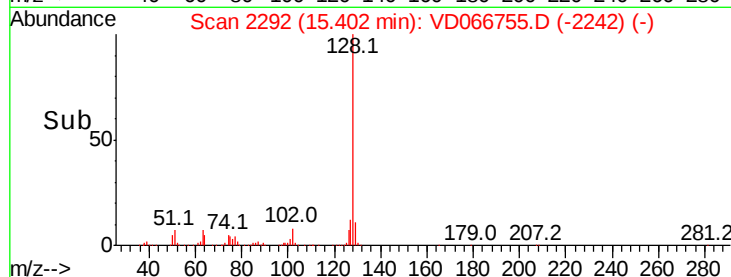
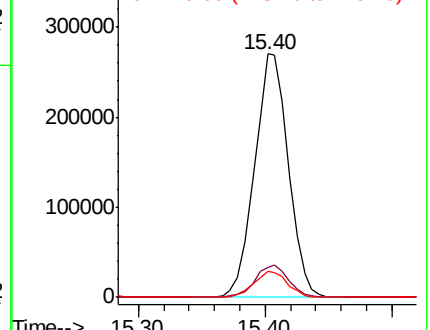
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.253 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066755.D

Acq: 17 Sep 2020 20:08

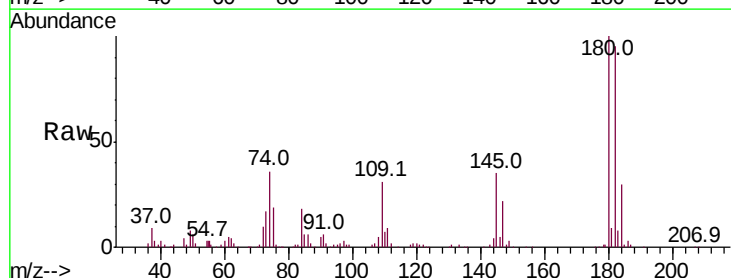
Tgt Ion:180 Resp: 218110

Ion Ratio Lower Upper

180 100

182 95.5 46.6 139.8

145 34.8 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

