

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065744.D
 Acq On : 14 May 2020 15:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 06:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	353402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	536548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	469994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	145968	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	155269	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.34	98	585541	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.64	95	199426	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	115509	49.818	ug/l	99
3) Chloromethane	2.21	50	157857	47.503	ug/l	97
4) Vinyl Chloride	2.35	62	179093	49.773	ug/l	99
5) Bromomethane	2.77	94	118389	49.798	ug/l	95
6) Chloroethane	2.93	64	117333	50.274	ug/l	100
7) Trichlorofluoromethane	3.27	101	250968	50.452	ug/l	96
8) Diethyl Ether	3.71	74	71772	50.214	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	150415	49.194	ug/l	99
10) Methyl Iodide	4.30	142	154943	48.509	ug/l	99
11) Tert butyl alcohol	5.22	59	49186	206.123	ug/l	100
12) 1,1-Dichloroethene	4.07	96	142704	49.207	ug/l	98
13) Acrolein	3.92	56	33432	209.679	ug/l	99
14) Allyl chloride	4.71	41	242420	48.346	ug/l	98
15) Acrylonitrile	5.42	53	152020	240.755	ug/l	99
16) Acetone	4.16	43	121640	208.232	ug/l	99
17) Carbon Disulfide	4.41	76	438824	47.909	ug/l	99
18) Methyl Acetate	4.71	43	64849	47.352	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	334763	49.478	ug/l	98
20) Methylene Chloride	4.97	84	157453	47.777	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	166996	50.013	ug/l	97
22) Diisopropyl ether	6.37	45	479933	50.274	ug/l	97
23) Vinyl Acetate	6.31	43	1392470	247.997	ug/l	98
24) 1,1-Dichloroethane	6.27	63	278375	49.804	ug/l	98
25) 2-Butanone	7.21	43	189782	227.274	ug/l	100
26) 2,2-Dichloropropane	7.21	77	252170	48.609	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	185075	50.580	ug/l	98
28) Bromochloromethane	7.55	49	117222	51.009	ug/l	98
29) Tetrahydrofuran	7.57	42	124484	235.128	ug/l	99
30) Chloroform	7.71	83	286825	50.776	ug/l	97
31) Cyclohexane	7.98	56	263055	46.493	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	267177	50.491	ug/l	100
36) 1,1-Dichloropropene	8.11	75	222185	47.684	ug/l	99
37) Ethyl Acetate	7.30	43	89429	44.799	ug/l	98
38) Carbon Tetrachloride	8.10	117	240359	48.634	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065744.D
 Acq On : 14 May 2020 15:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 06:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	281628	47.162	ug/l	99
40) Benzene	8.36	78	630817	49.232	ug/l	100
41) Methacrylonitrile	7.53	41	49784	45.284	ug/l #	63
42) 1,2-Dichloroethane	8.43	62	175864	49.295	ug/l	99
43) Isopropyl Acetate	8.46	43	185458	46.873	ug/l	99
44) Trichloroethene	9.11	130	188412	49.118	ug/l	97
45) 1,2-Dichloropropane	9.39	63	158379	50.134	ug/l	100
46) Dibromomethane	9.48	93	82616	48.499	ug/l	98
47) Bromodichloromethane	9.67	83	222595	49.923	ug/l	96
48) Methyl methacrylate	9.46	41	89248	48.055	ug/l	99
49) 1,4-Dioxane	9.47	88	19835	986.856	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	443238	234.095	ug/l	99
52) Toluene	10.41	92	412637	49.158	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	215955	49.577	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	258962	49.980	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	112677	48.555	ug/l	95
56) Ethyl methacrylate	10.66	69	147136	48.647	ug/l	98
57) 1,3-Dichloropropane	10.95	76	198007	49.057	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	343600	244.185	ug/l	100
59) 2-Hexanone	10.99	43	301159	233.572	ug/l	99
60) Dibromochloromethane	11.14	129	155101	49.910	ug/l	98
61) 1,2-Dibromoethane	11.25	107	112457	48.521	ug/l	99
64) Tetrachloroethene	10.88	164	157251	48.386	ug/l	97
65) Chlorobenzene	11.67	112	442918	50.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	166864	50.323	ug/l	100
67) Ethyl Benzene	11.75	91	796037	50.408	ug/l	97
68) m/p-Xylenes	11.86	106	614279	101.846	ug/l	98
69) o-Xylene	12.18	106	280567	49.969	ug/l	94
70) Styrene	12.20	104	484593	50.573	ug/l	99
71) Bromoform	12.37	173	91840	50.184	ug/l #	100
73) Isopropylbenzene	12.48	105	772610	49.611	ug/l	99
74) N-amyl acetate	12.30	43	177665	49.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	118906	48.240	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	158668	91.650	ug/l #	100
77) Bromobenzene	12.77	156	186446	49.669	ug/l	98
78) n-propylbenzene	12.83	91	897355	49.328	ug/l	100
79) 2-Chlorotoluene	12.91	91	498539	49.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	637136	49.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	40522	45.920	ug/l	96
82) 4-Chlorotoluene	13.01	91	520947	49.090	ug/l	98
83) tert-Butylbenzene	13.23	119	557851	49.027	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	634948	50.175	ug/l	99
85) sec-Butylbenzene	13.41	105	757286	48.911	ug/l	100
86) p-Isopropyltoluene	13.53	119	708331	49.773	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	352079	50.008	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	347184	49.508	ug/l	99
89) n-Butylbenzene	13.85	91	652871	49.060	ug/l	99
90) Hexachloroethane	14.12	117	136621	49.070	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	304421	49.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18383	44.599	ug/l	98

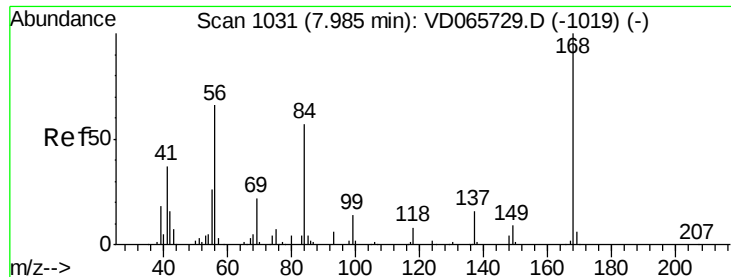
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
Data File : VD065744.D
Acq On : 14 May 2020 15:49
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 15 06:18:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	225933	48.770	ug/l	99
94) Hexachlorobutadiene	15.28	225	134002	48.246	ug/l	99
95) Naphthalene	15.41	128	366771	47.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	192091	48.633	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

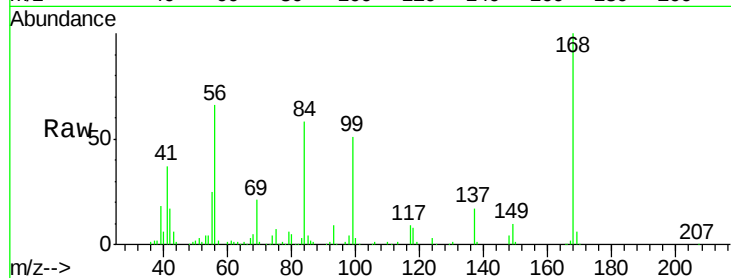
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 353402

Ion Ratio Lower Upper

168 100

99 50.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

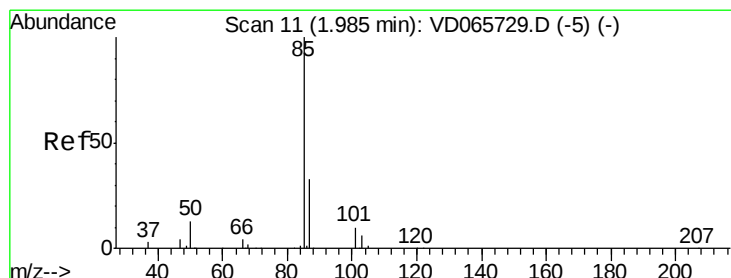
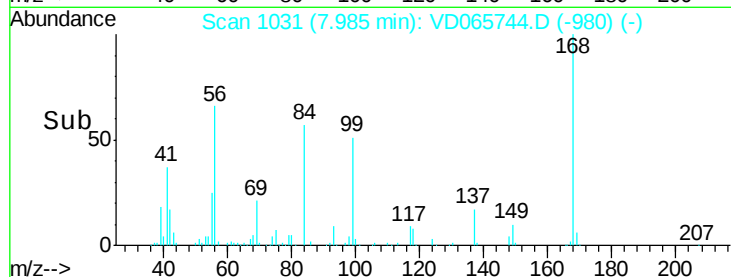
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.818 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065744.D

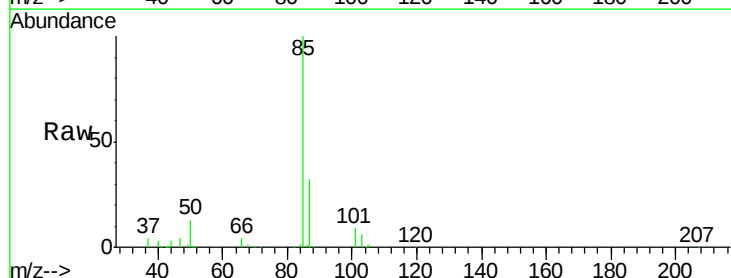
Acq: 14 May 2020 15:49

Tgt Ion: 85 Resp: 115509

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

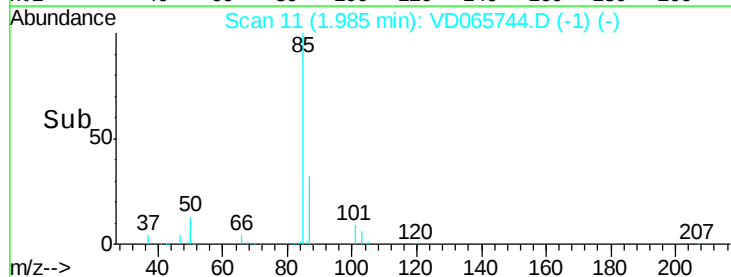
40000

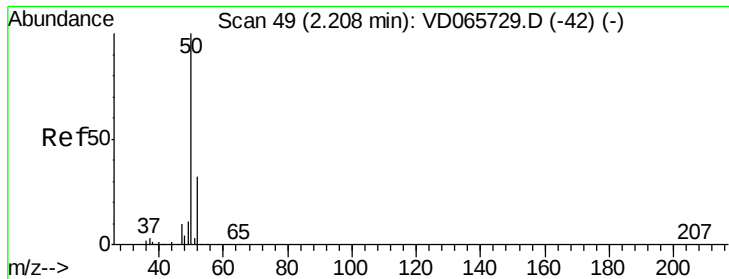
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.503 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

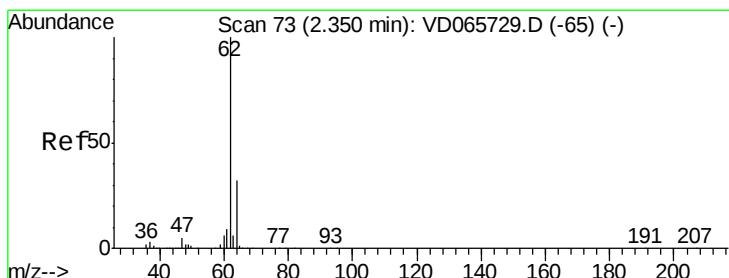
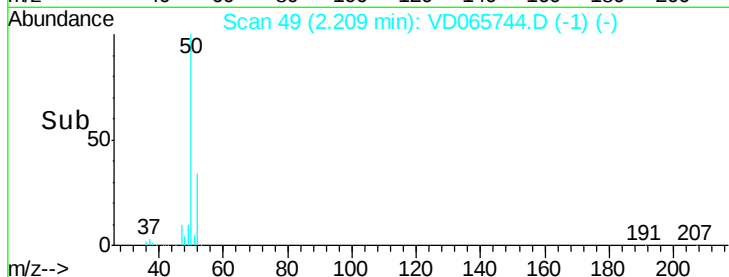
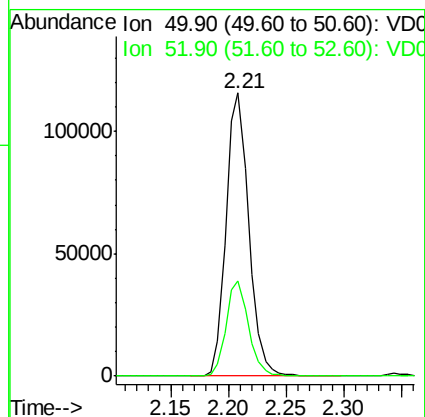
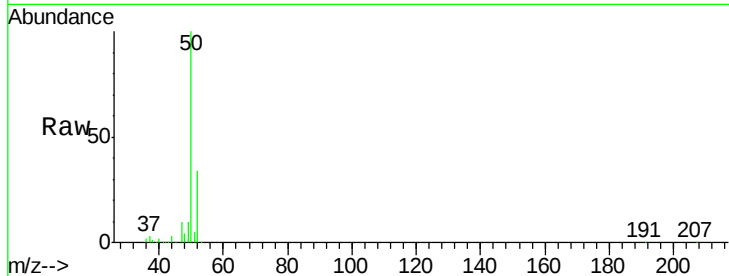
ClientSampleId :

Tot Ion: 50 Resp: 157857

Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



#4

Vinyl Chloride

Concen: 49.773 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065744.D

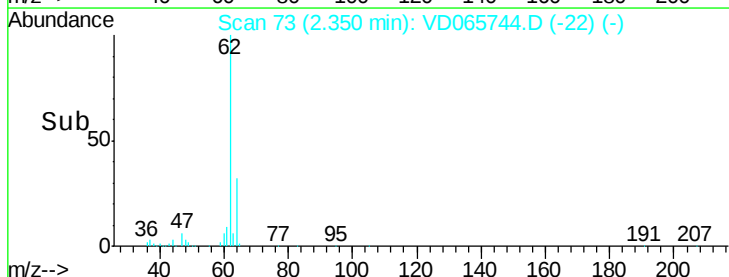
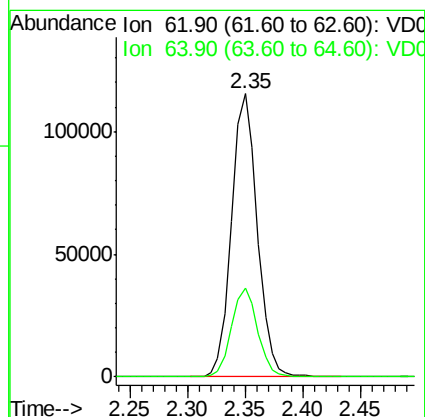
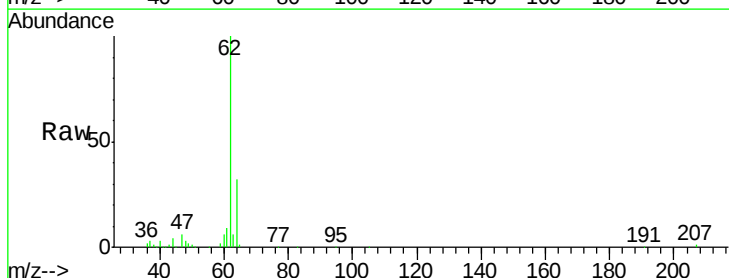
Acq: 14 May 2020 15:49

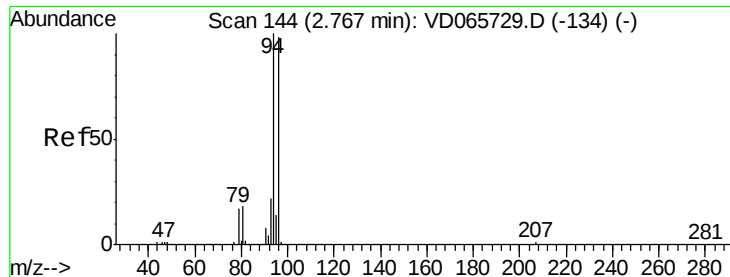
Tgt Ion: 62 Resp: 179093

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6





#5

Bromomethane

Concen: 49.798 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

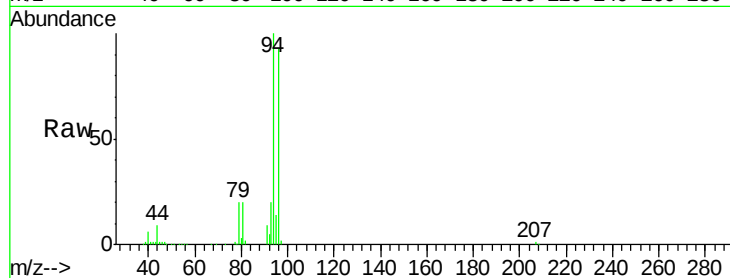
ClientSampleId :

Tot Ion: 94 Resp: 118389

Ion Ratio Lower Upper

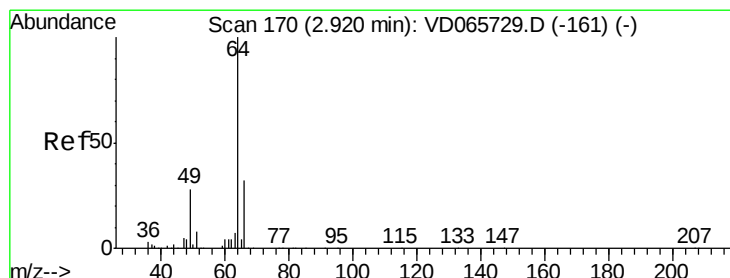
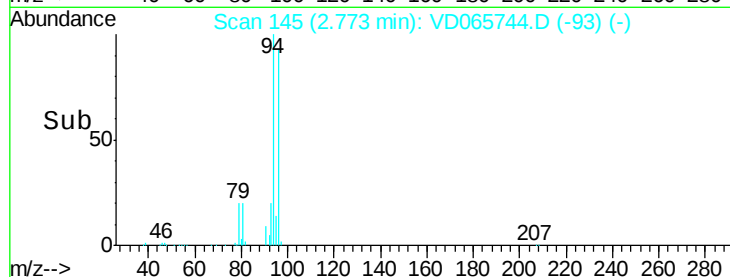
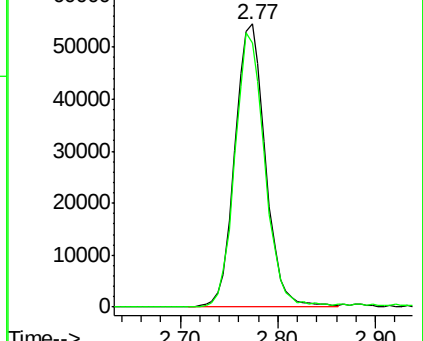
94 100

96 92.8 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.274 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065744.D

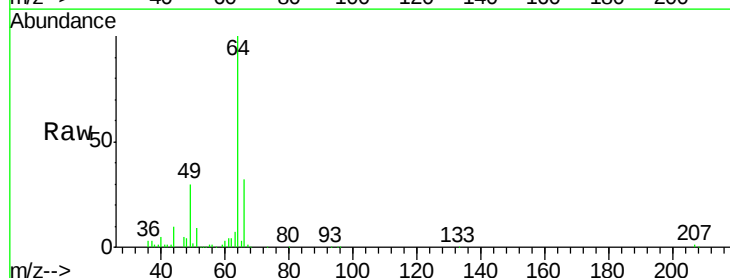
Acq: 14 May 2020 15:49

Tgt Ion: 64 Resp: 117333

Ion Ratio Lower Upper

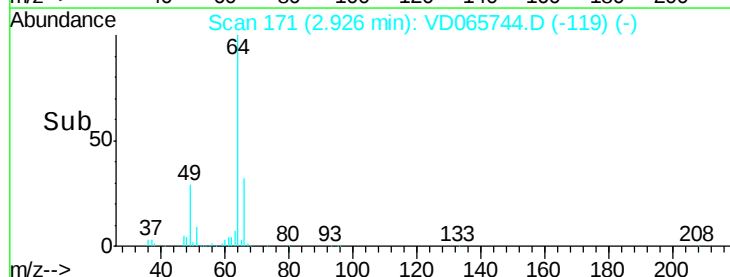
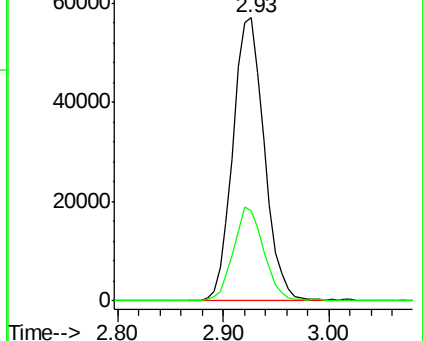
64 100

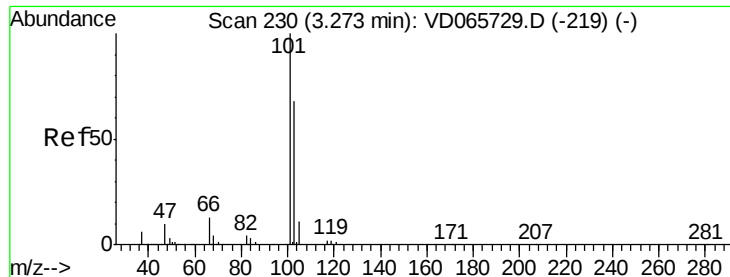
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



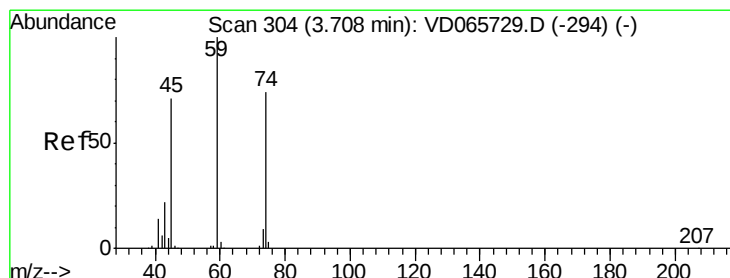
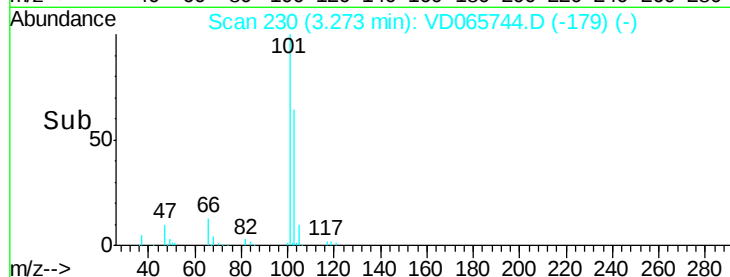
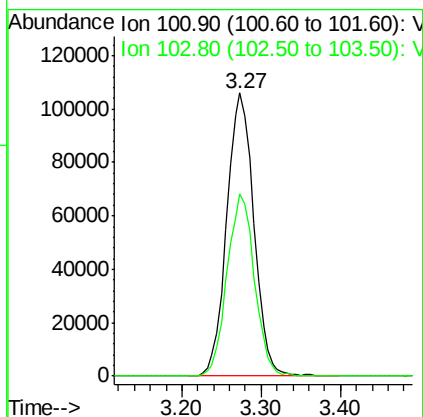
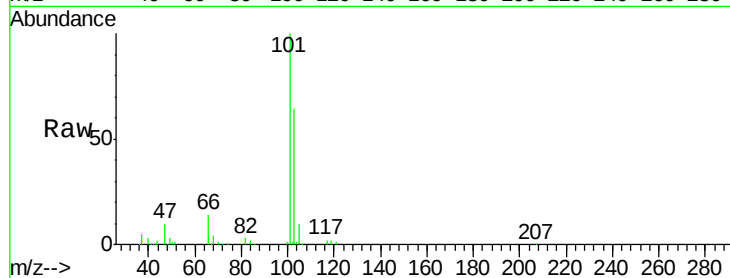


#7

Trichlorofluoromethane
 Concen: 50.452 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Instrument :
 MSVOA_D
 ClientSampleId :

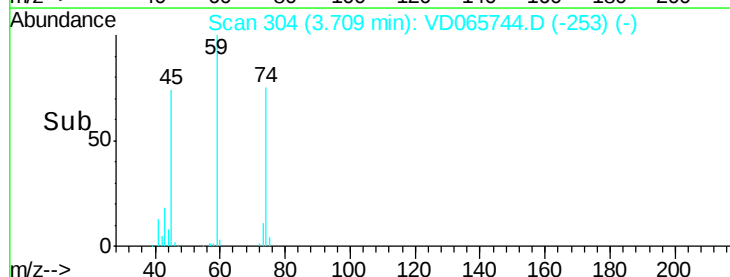
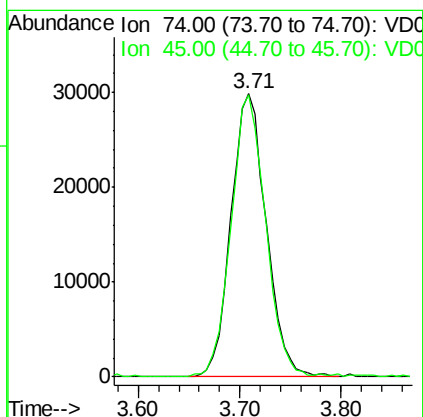
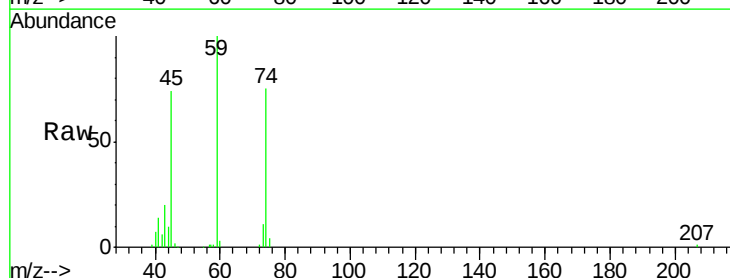
Tot Ion:101 Resp: 250968
 Ion Ratio Lower Upper
 101 100
 103 64.5 54.1 81.1

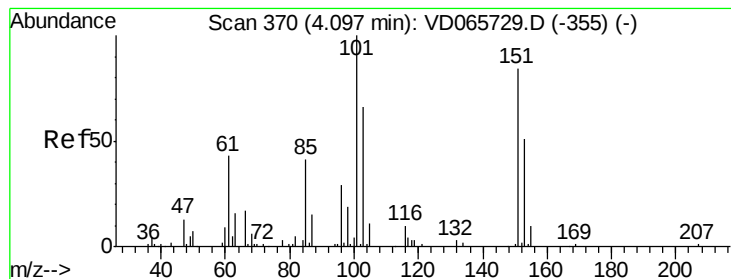


#8

Diethyl Ether
 Concen: 50.214 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion: 74 Resp: 71772
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.194 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

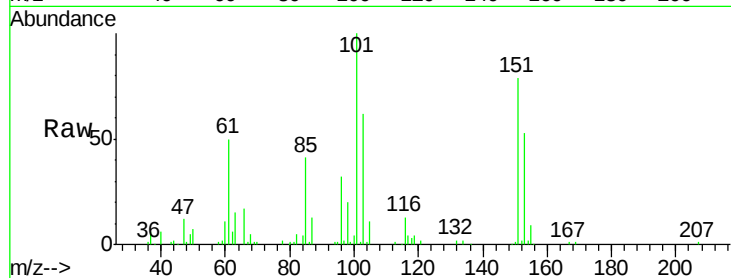
Tot Ion:101 Resp: 150415

Ion Ratio Lower Upper

101 100

85 43.6 34.1 51.1

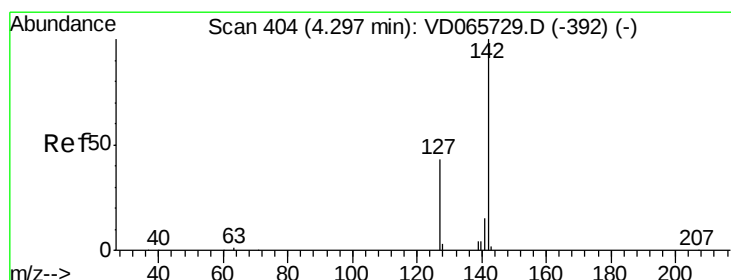
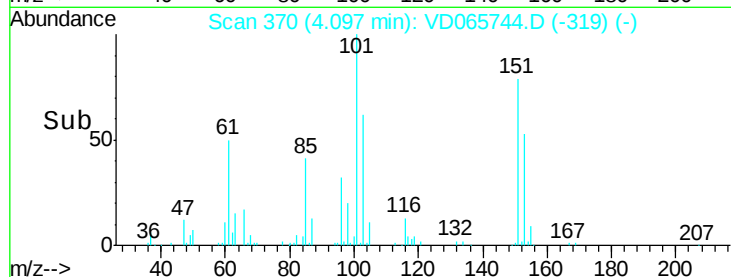
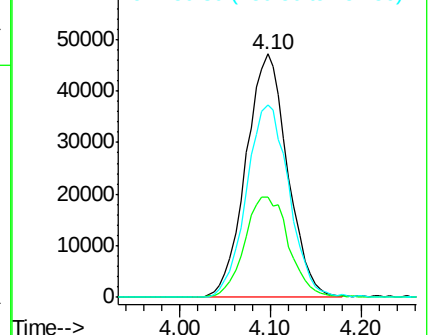
151 81.0 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.509 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

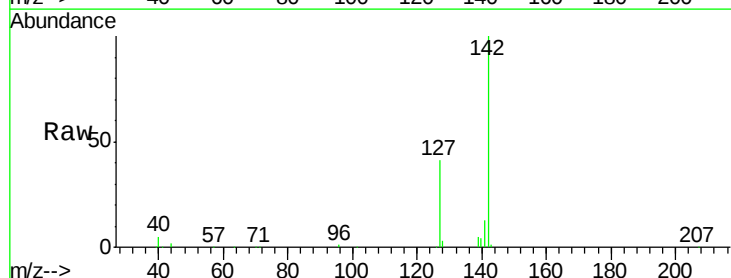
Tgt Ion:142 Resp: 154943

Ion Ratio Lower Upper

142 100

127 42.2 34.2 51.4

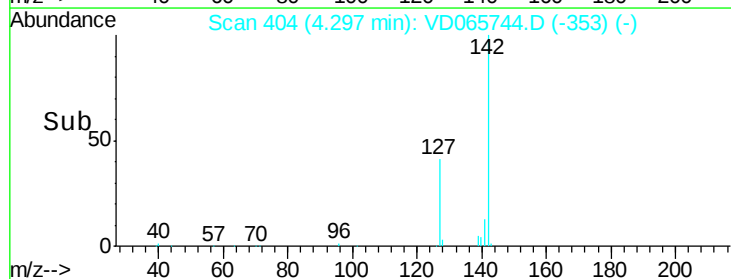
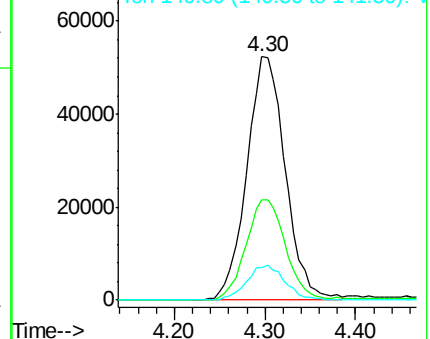
141 13.9 11.7 17.5

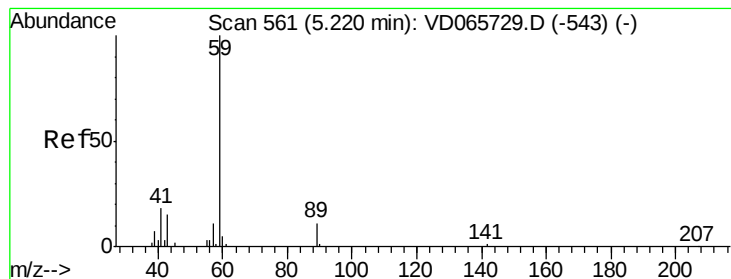


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



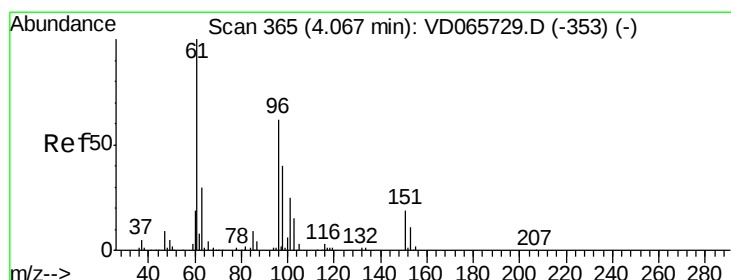
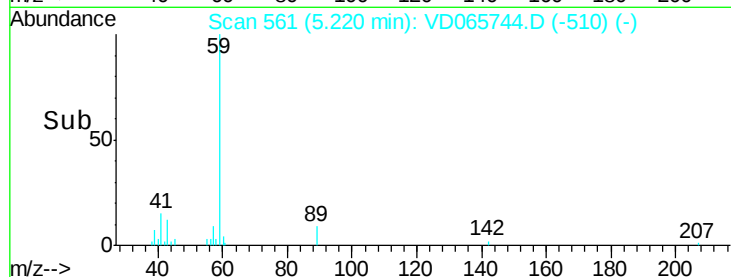
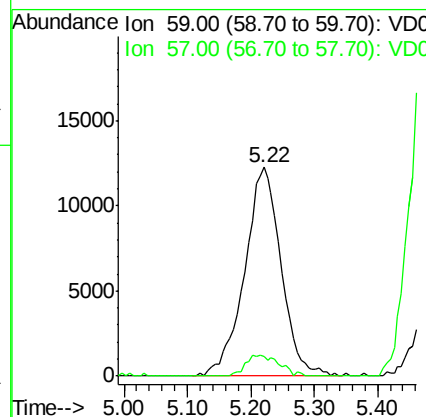
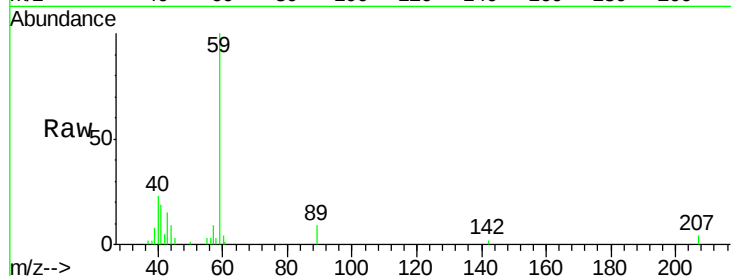


#11

Tert butyl alcohol
 Concen: 206.123 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Instrument :
 MSVOA_D
 ClientSampleId :

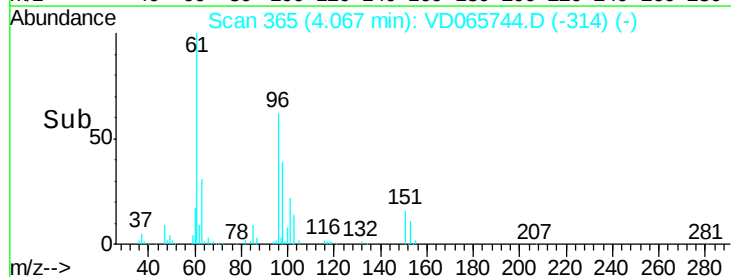
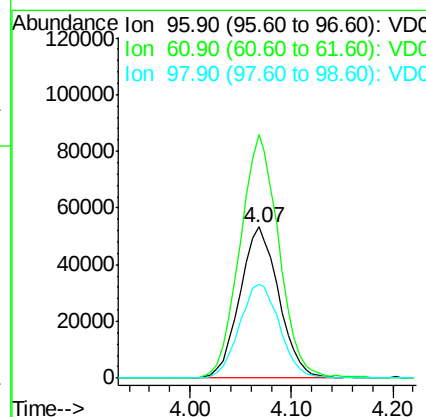
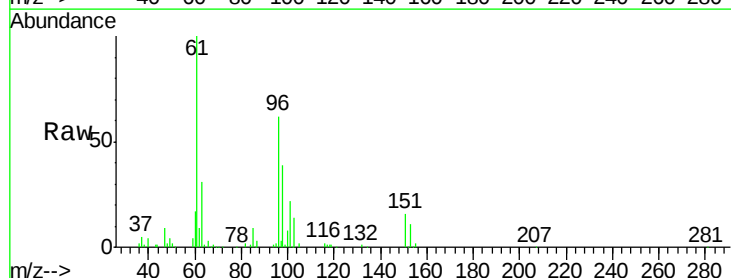
Tot Ion: 59 Resp: 49186
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.4 11.0

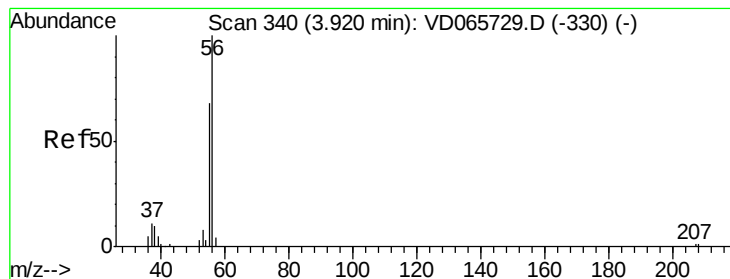


#12

1,1-Dichloroethene
 Concen: 49.207 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion: 96 Resp: 142704
 Ion Ratio Lower Upper
 96 100
 61 160.9 130.0 195.0
 98 62.2 52.3 78.5





#13

Acrolein

Concen: 209.679 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

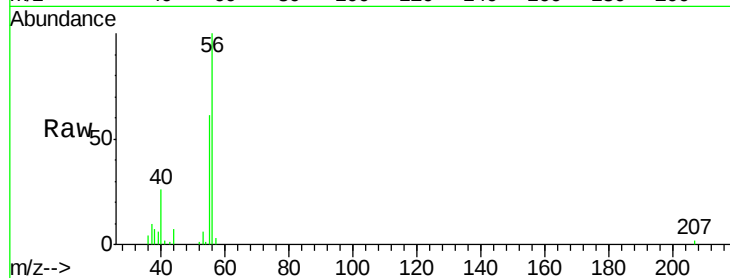
ClientSampled :

Tot Ion: 56 Resp: 33432

Ion Ratio Lower Upper

56 100

55 71.7 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

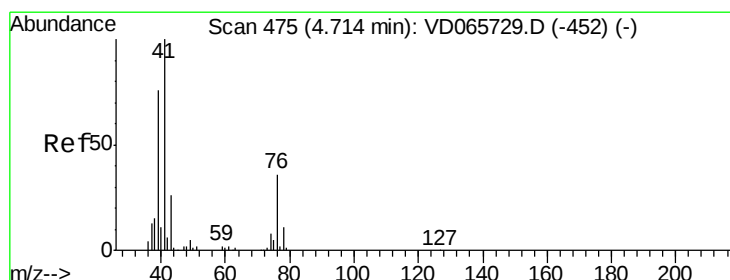
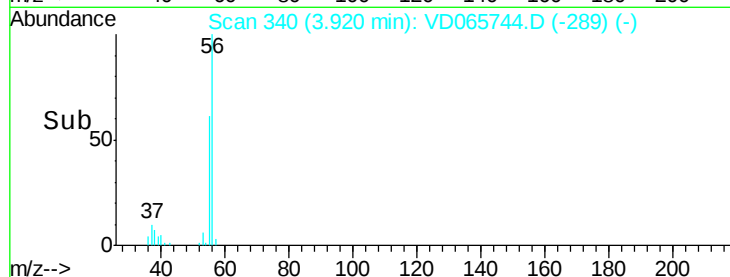
10000

5000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 48.346 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

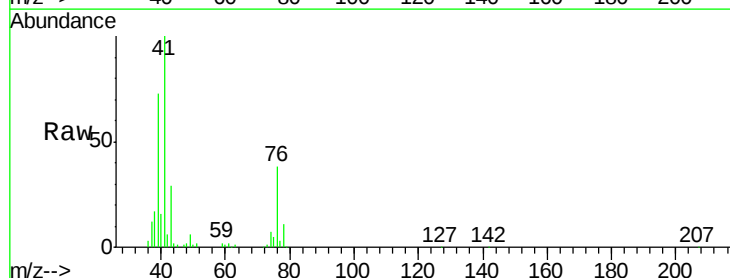
Tgt Ion: 41 Resp: 242420

Ion Ratio Lower Upper

41 100

39 72.7 57.4 86.2

76 37.2 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

60000

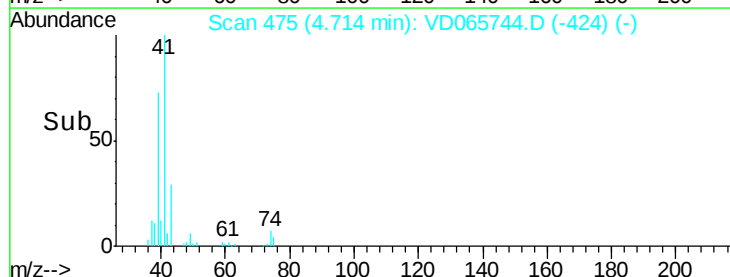
40000

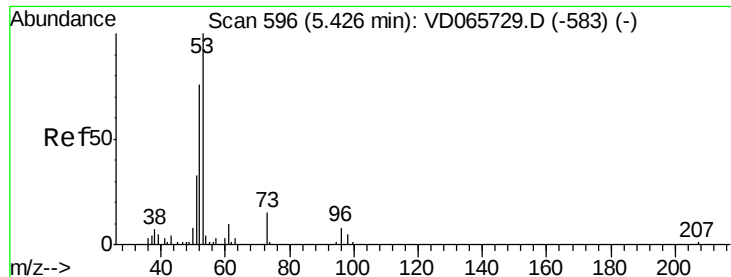
20000

0

4.50 4.60 4.70 4.80 4.90

Time-->





#15

Acrylonitrile

Concen: 240.755 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

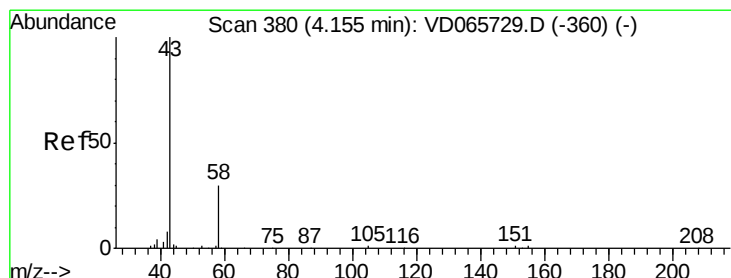
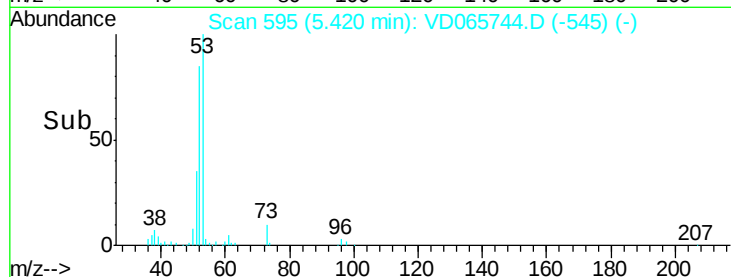
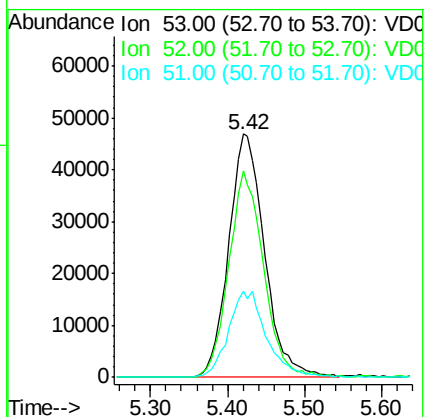
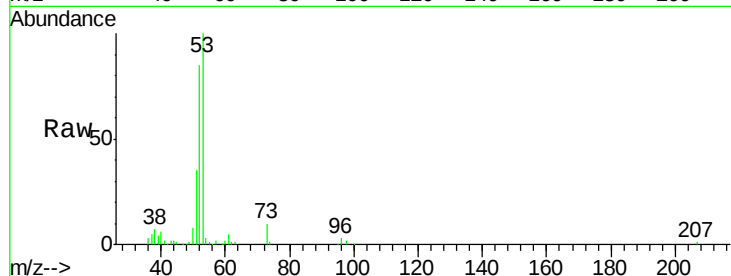
Tot Ion: 53 Resp: 152020

Ion Ratio Lower Upper

53 100

52 82.8 66.3 99.5

51 37.6 29.2 43.8



#16

Acetone

Concen: 208.232 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065744.D

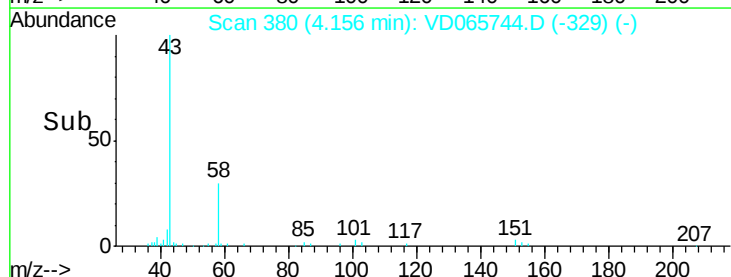
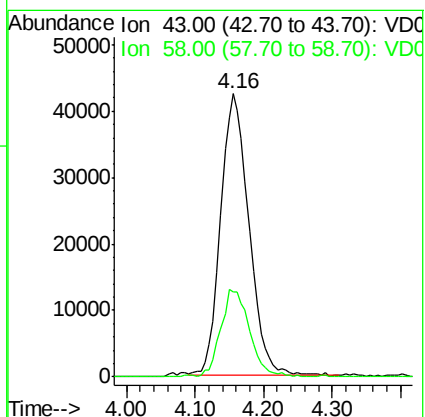
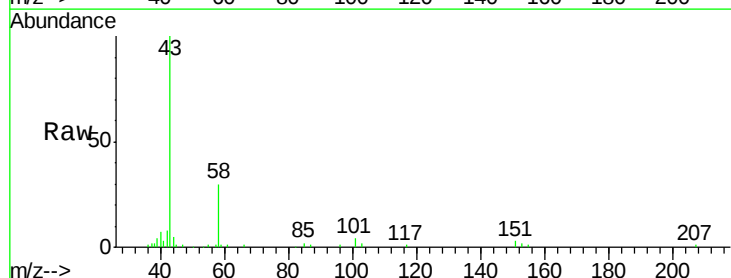
Acq: 14 May 2020 15:49

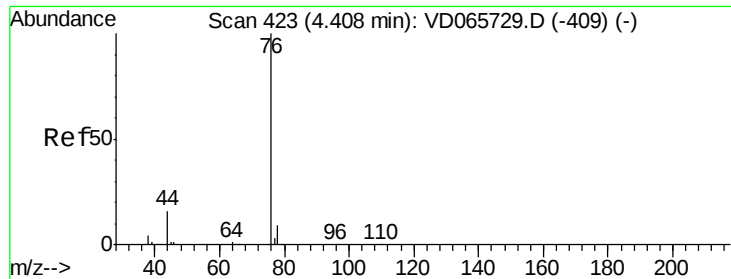
Tgt Ion: 43 Resp: 121640

Ion Ratio Lower Upper

43 100

58 30.3 23.7 35.5

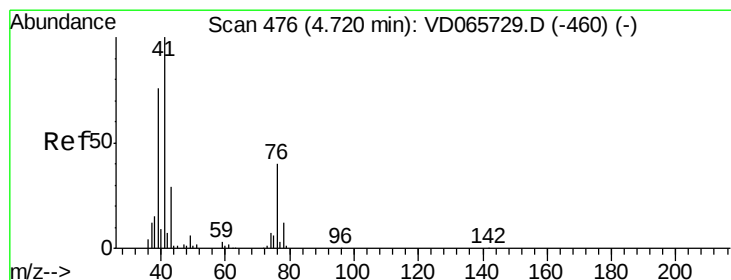
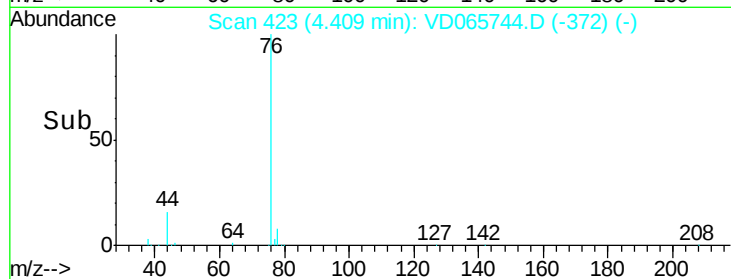
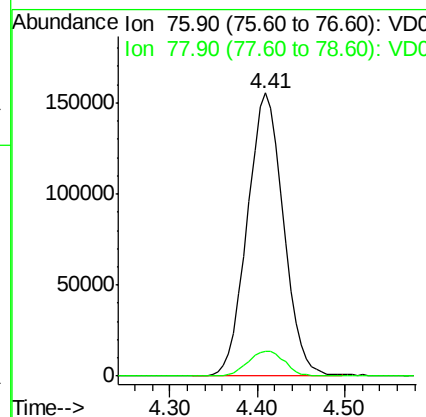
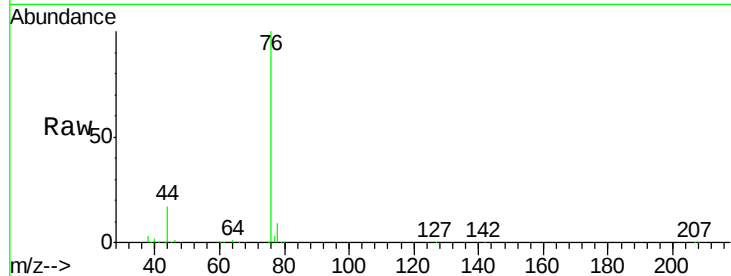




#17
Carbon Disulfide
Concen: 47.909 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

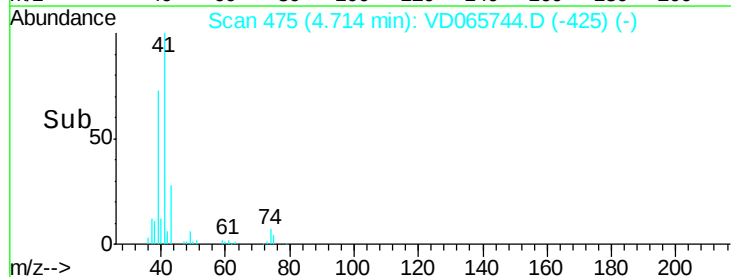
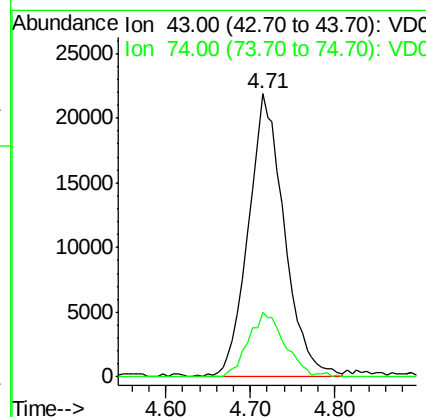
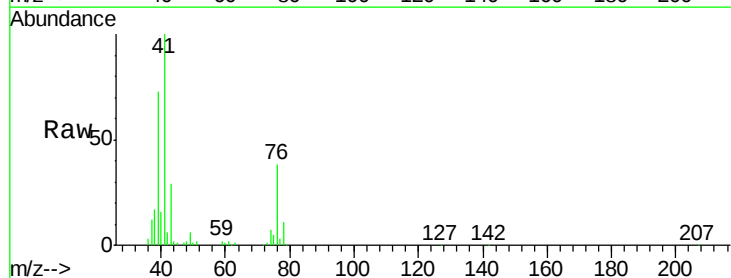
Instrument :
MSVOA_D
ClientSampleId :

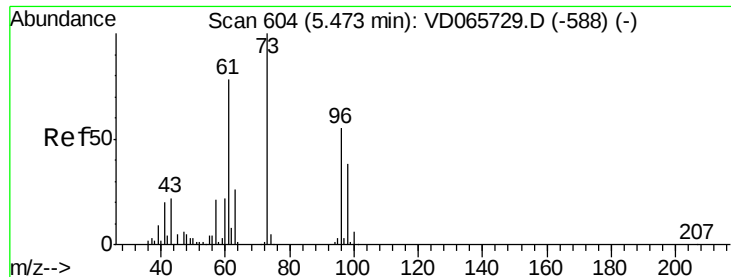
Tot Ion: 76 Resp: 438824
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 47.352 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 43 Resp: 64849
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8

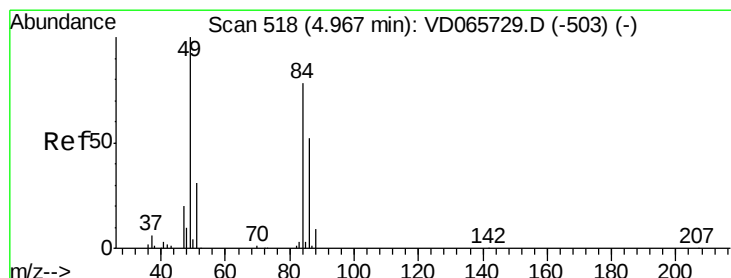
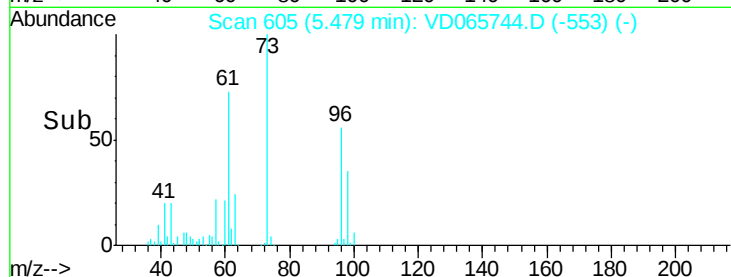
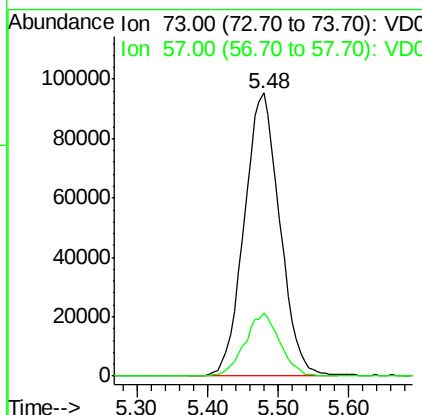
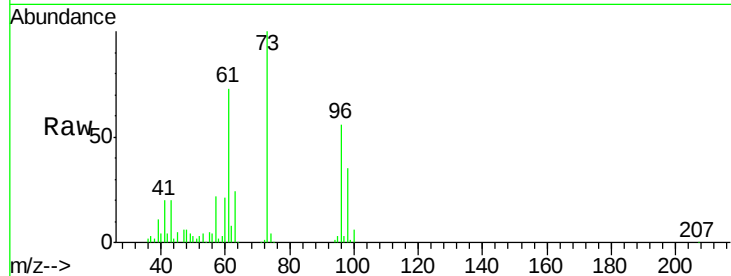




#19
Methyl tert-butyl Ether
Concen: 49.478 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

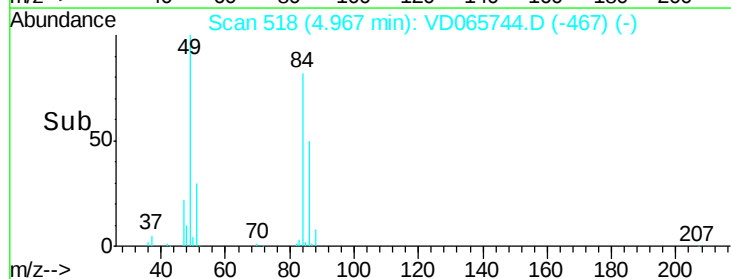
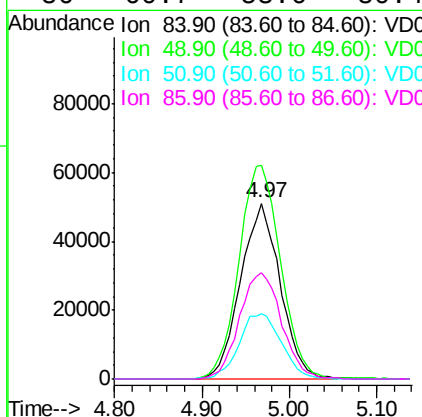
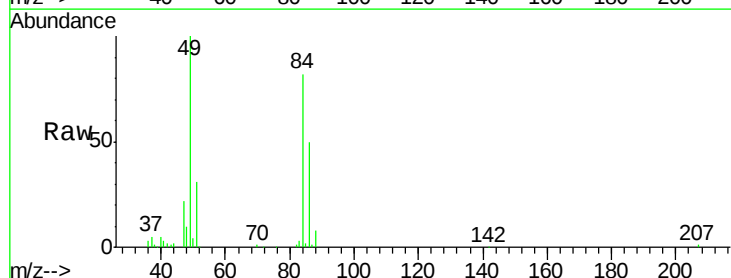
Instrument :
MSVOA_D
ClientSampled :

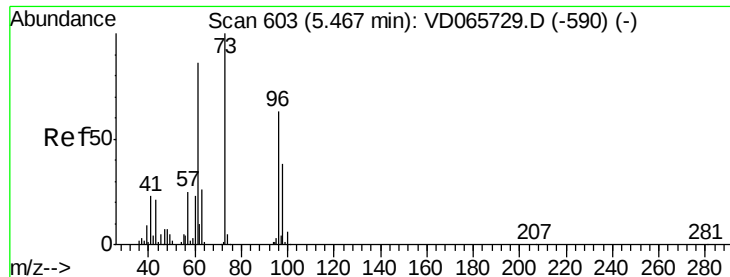
Tot Ion: 73 Resp: 334763
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.4



#20
Methylene Chloride
Concen: 47.777 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 84 Resp: 157453
Ion Ratio Lower Upper
84 100
49 121.8 102.9 154.3
51 37.3 31.5 47.3
86 60.7 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 50.013 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

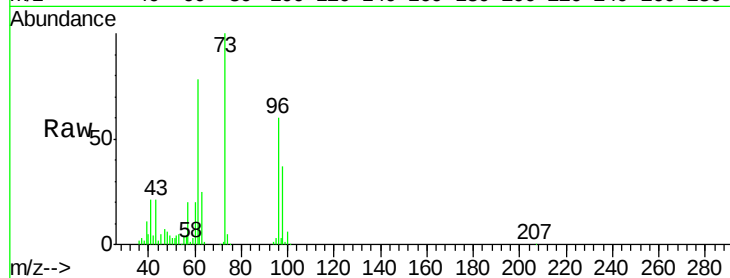
Tot Ion: 96 Resp: 166996

Ion Ratio Lower Upper

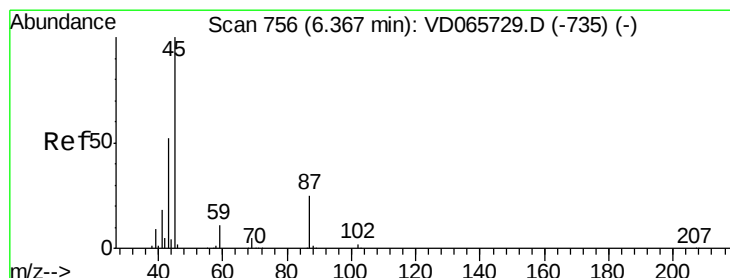
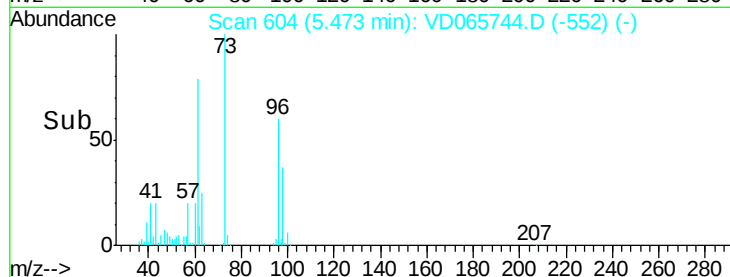
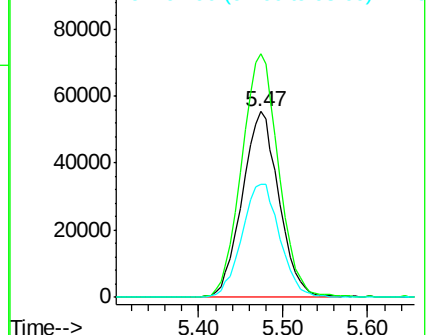
96 100

61 131.3 108.6 163.0

98 61.2 47.9 71.9



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: 50.274 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Tgt Ion: 45 Resp: 479933

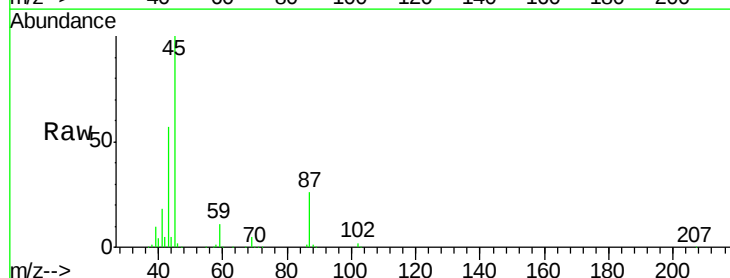
Ion Ratio Lower Upper

45 100

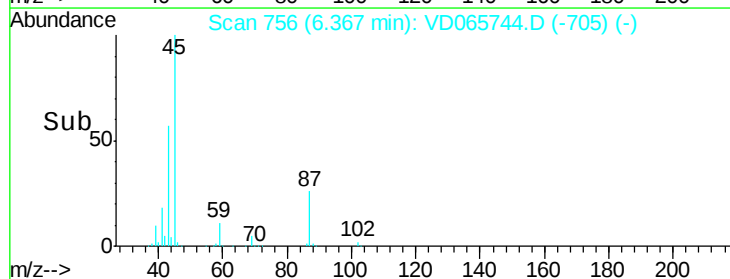
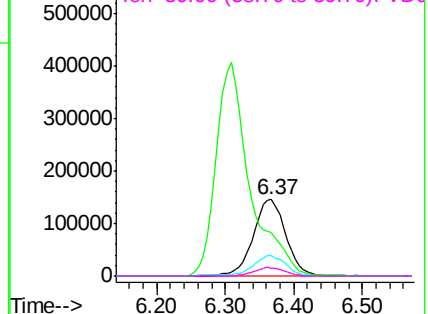
43 55.5 41.8 62.6

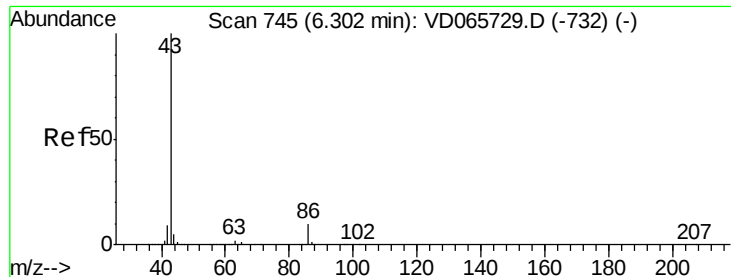
87 26.1 20.1 30.1

59 10.7 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 247.997 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

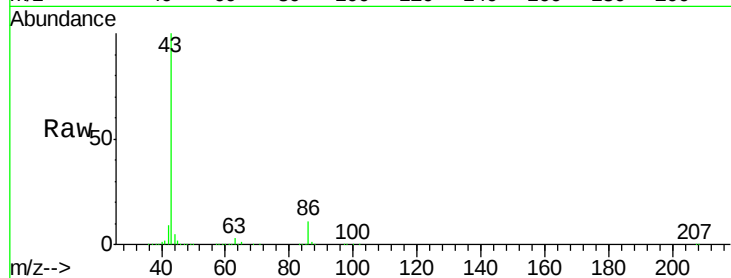
ClientSampleId :

Tot Ion: 43 Resp: 1392470

Ion Ratio Lower Upper

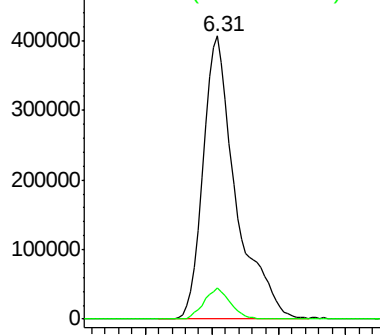
43 100

86 11.0 8.2 12.4

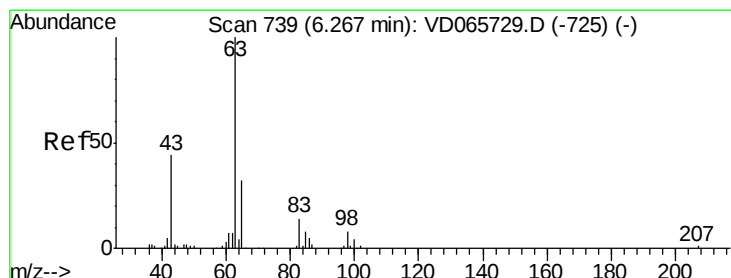
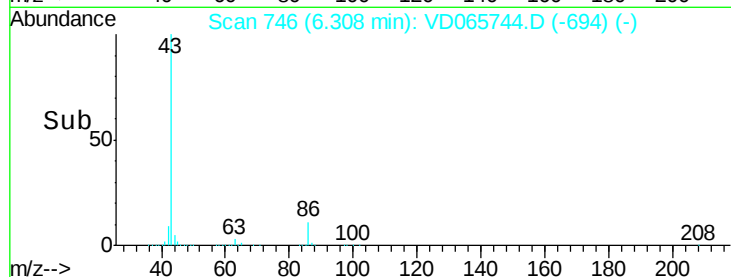


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 49.804 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

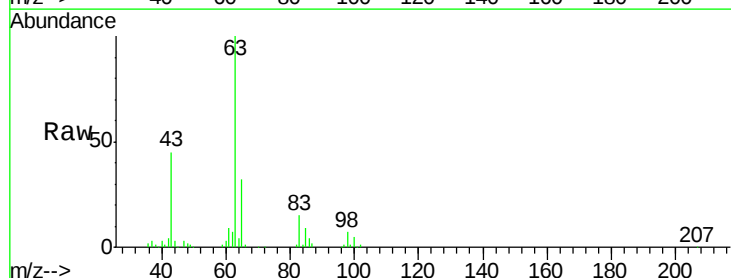
Tgt Ion: 63 Resp: 278375

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

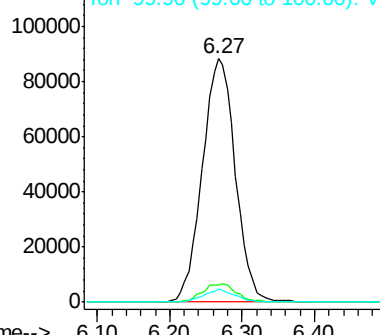
100 5.4 2.2 6.6



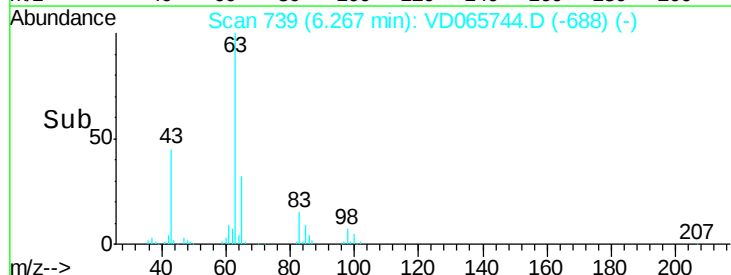
Abundance Ion 62.90 (62.60 to 63.60): VDC

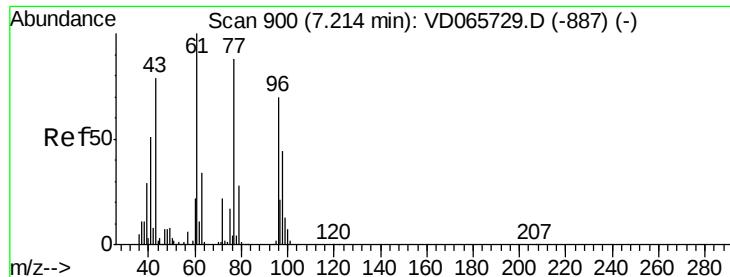
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 227.274 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

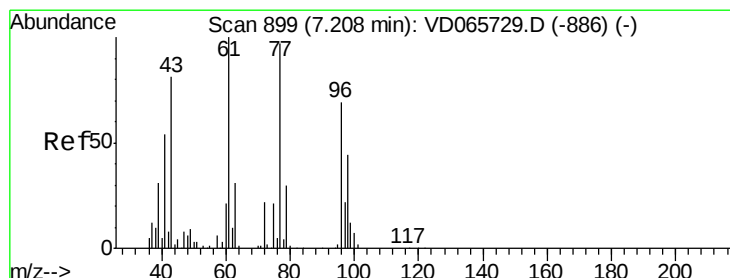
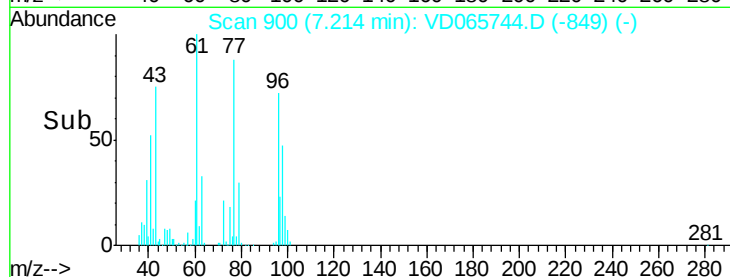
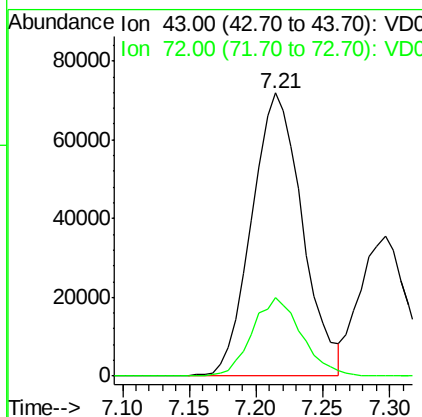
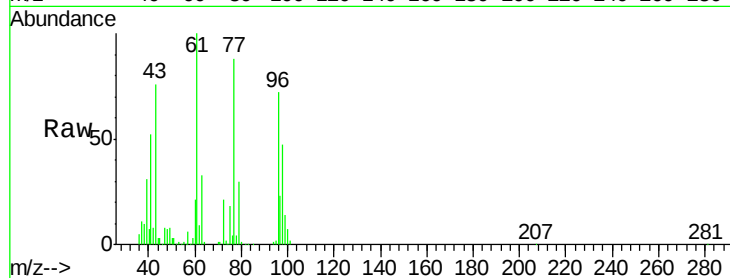
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 189782

Ion Ratio Lower Upper

43 100

72 27.9 22.3 33.5



#26

2,2-Dichloropropane

Concen: 48.609 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065744.D

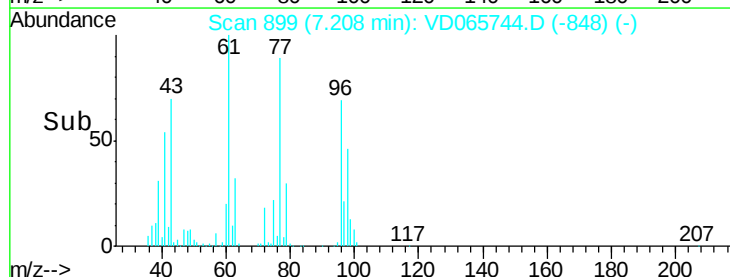
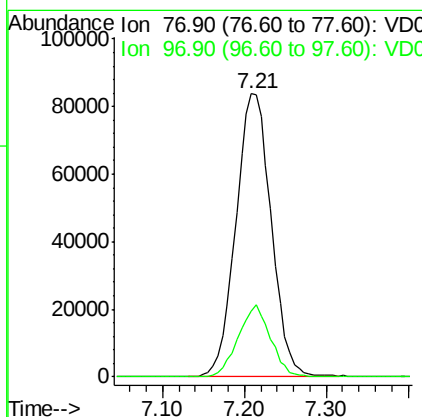
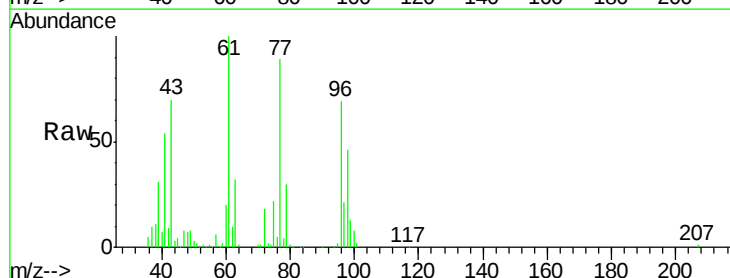
Acq: 14 May 2020 15:49

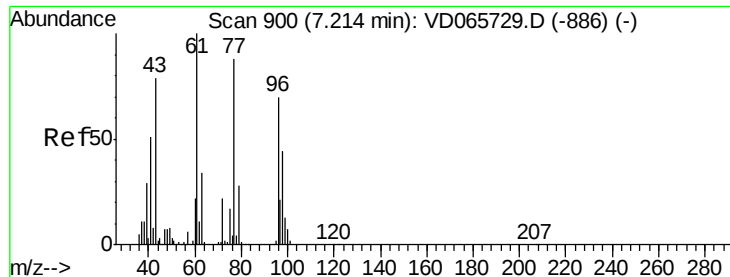
Tgt Ion: 77 Resp: 252170

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9



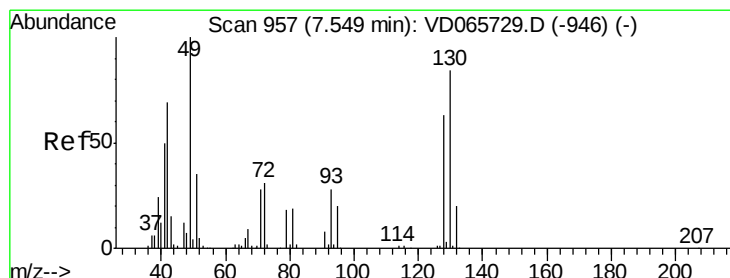
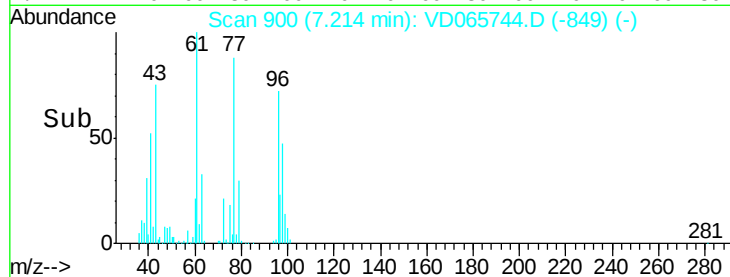
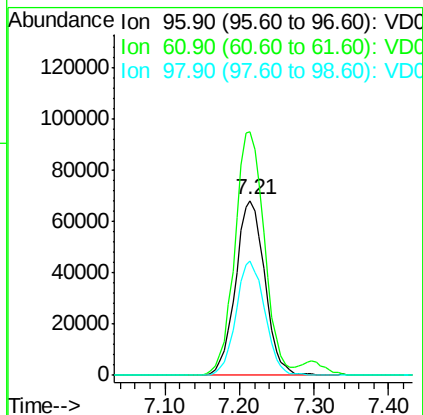
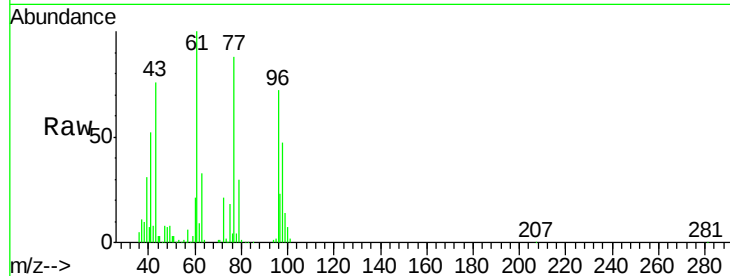


#27

cis-1,2-Dichloroethene
Concen: 50.580 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

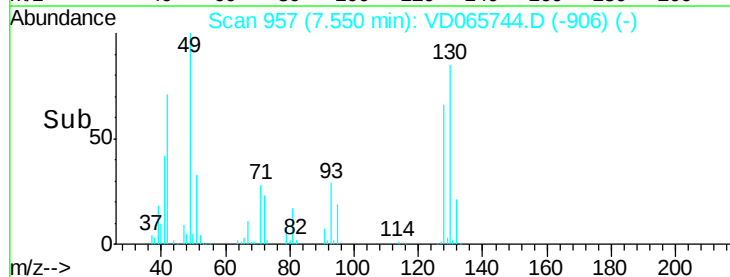
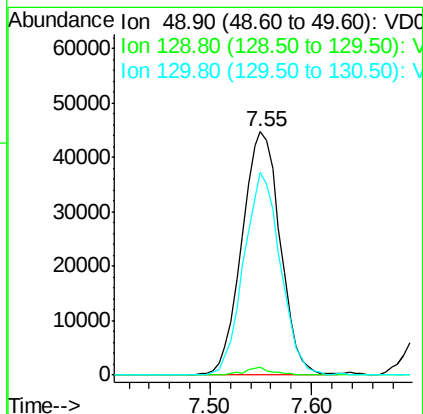
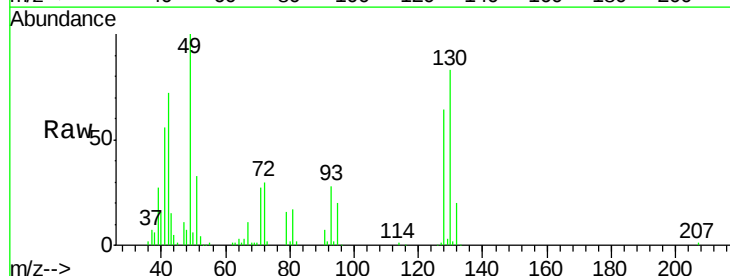
Tot Ion: 96 Resp: 185075
Ion Ratio Lower Upper
96 100
61 140.2 0.0 288.0
98 64.5 0.0 127.8

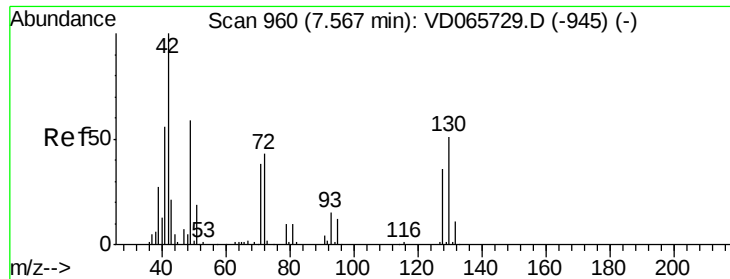


#28

Bromochloromethane
Concen: 51.009 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 49 Resp: 117222
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.6
130 79.8 65.2 97.8

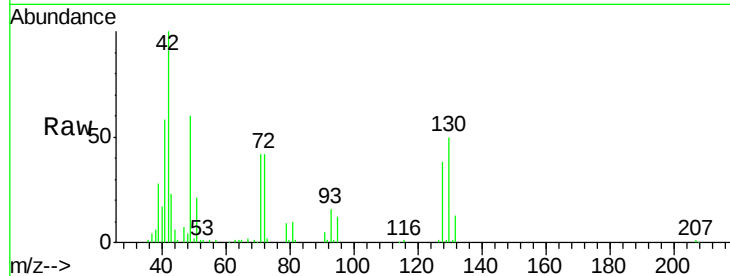




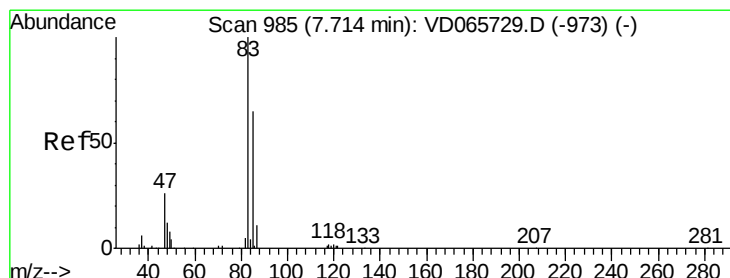
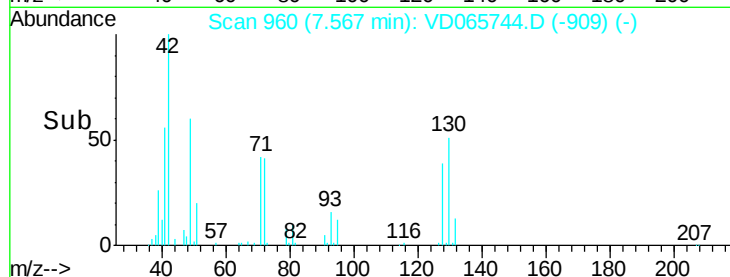
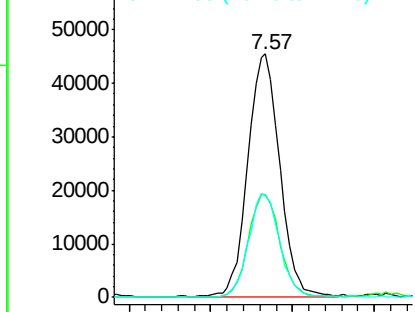
#29
Tetrahydrofuran
Concen: 235.128 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 124484
Ion Ratio Lower Upper
42 100
72 41.8 33.5 50.3
71 41.0 31.8 47.6

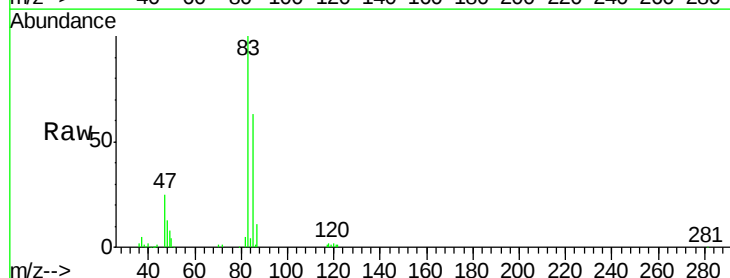


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

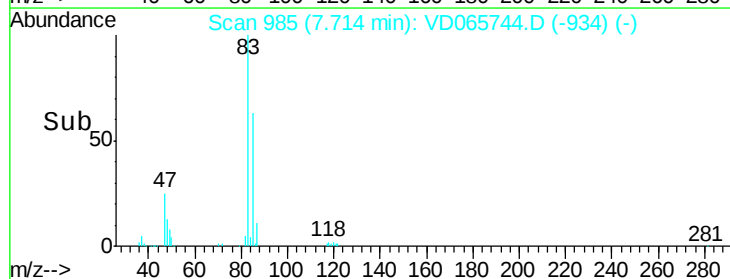
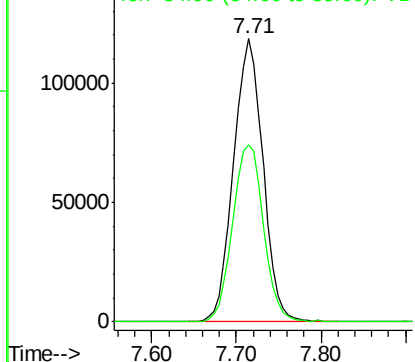


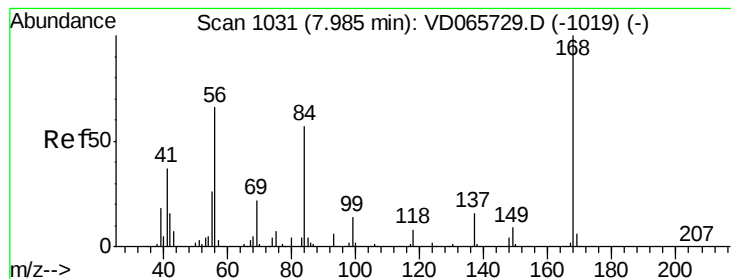
#30
Chloroform
Concen: 50.776 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 83 Resp: 286825
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.2



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





#31

Cyclohexane

Concen: 46.493 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

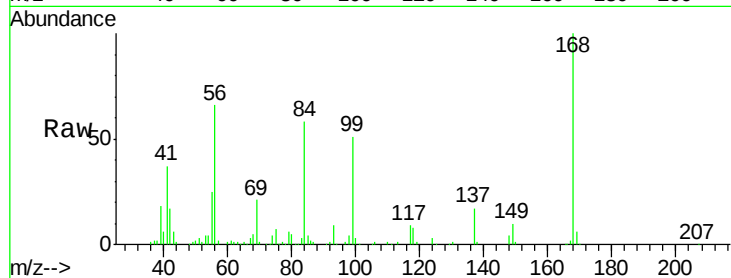
Tot Ion: 56 Resp: 263055

Ion Ratio Lower Upper

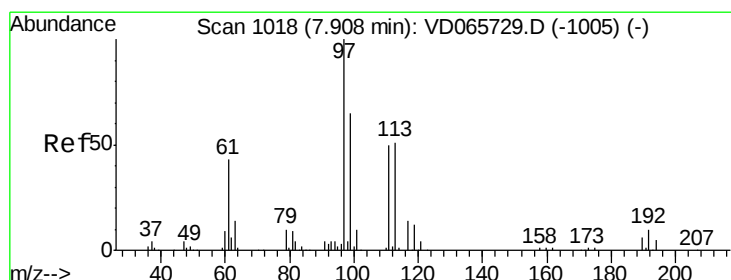
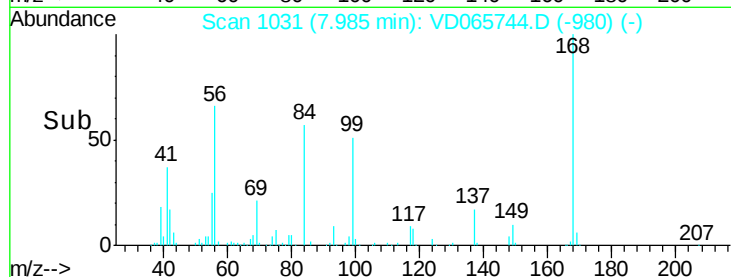
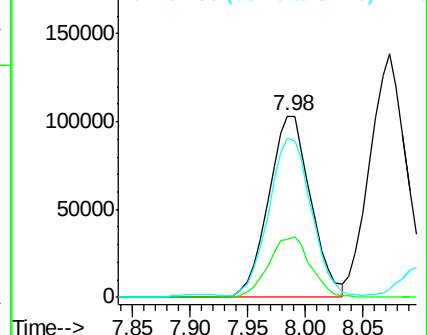
56 100

69 32.3 25.9 38.9

84 85.8 69.1 103.7



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: 50.491 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

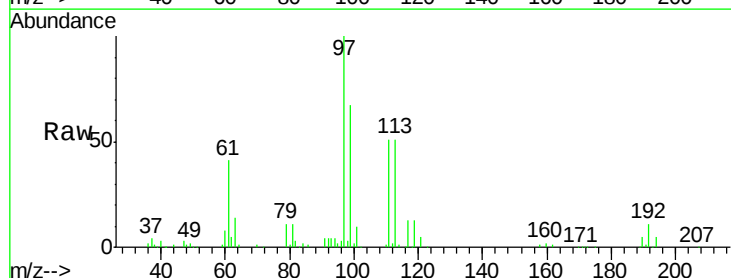
Tgt Ion: 97 Resp: 267177

Ion Ratio Lower Upper

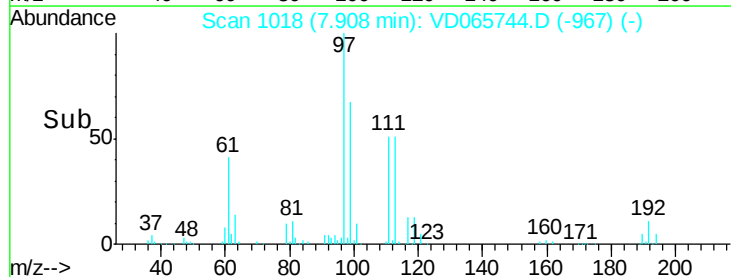
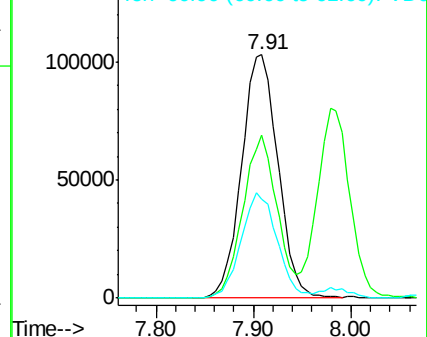
97 100

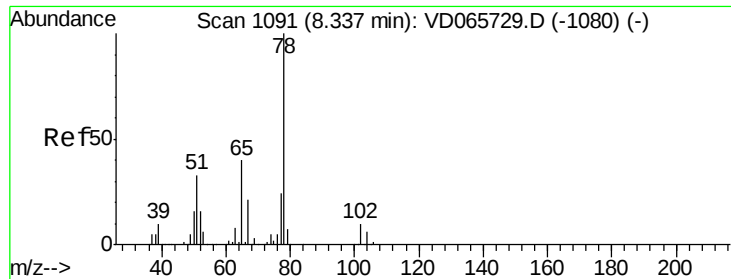
99 62.9 50.5 75.7

61 42.9 33.9 50.9



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: 51.254 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

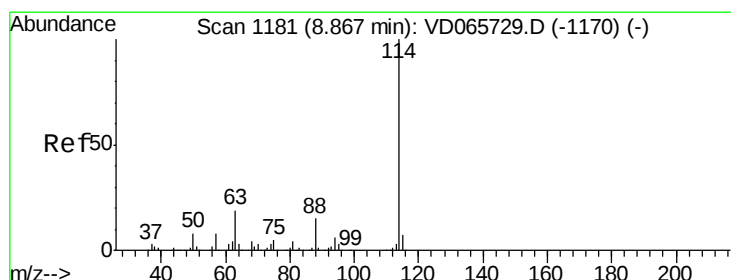
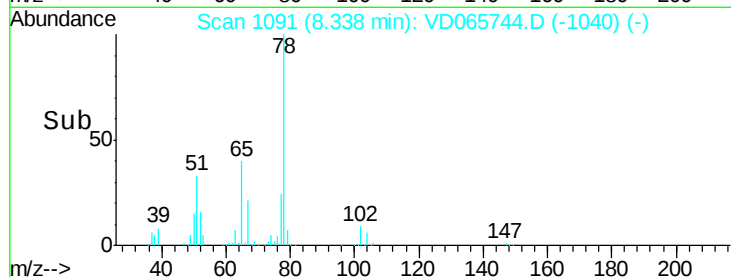
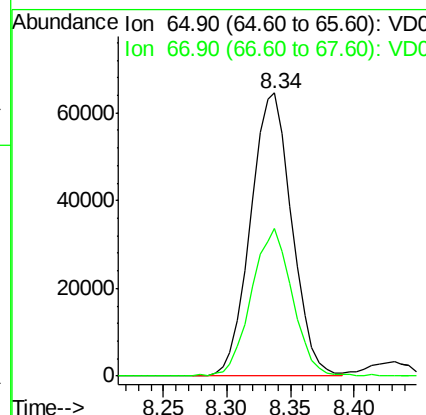
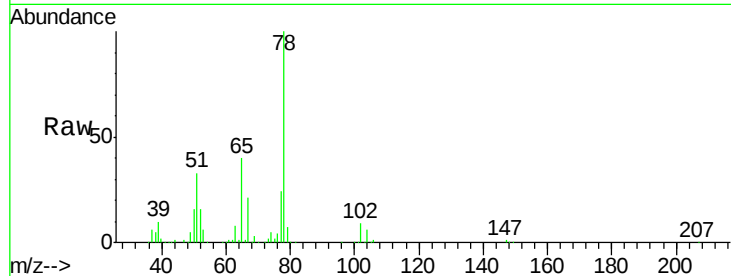
ClientSampleId :

Tot Ion: 65 Resp: 145968

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

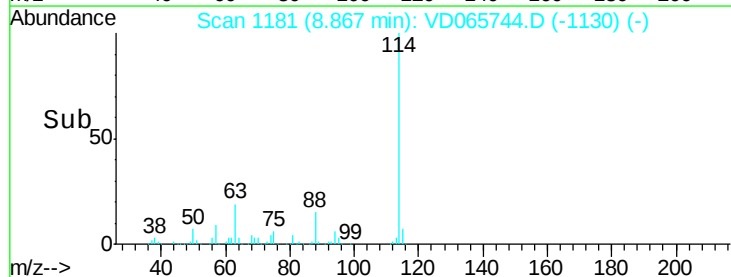
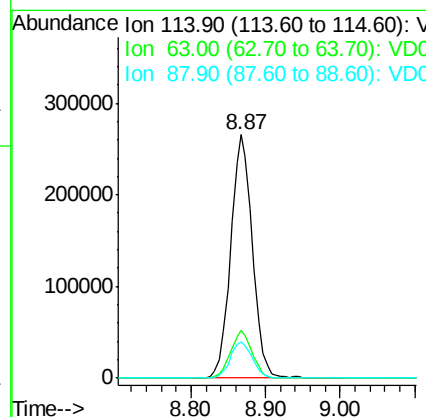
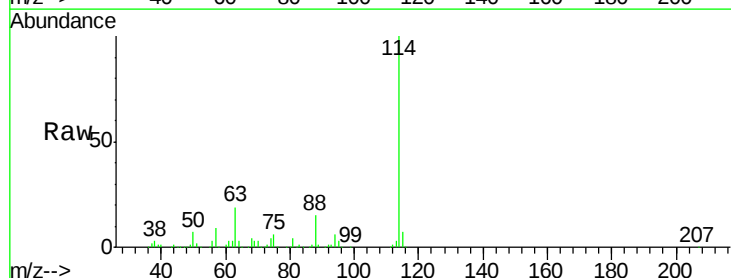
Tgt Ion: 114 Resp: 536548

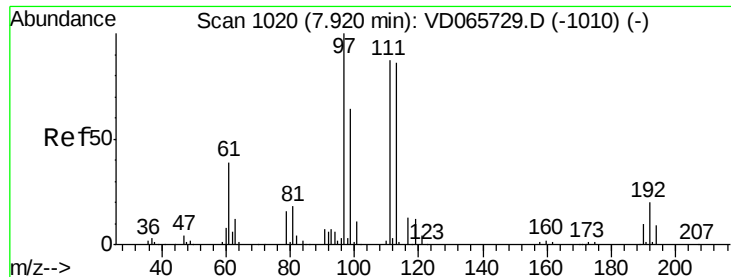
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.2

88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.081 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampled :

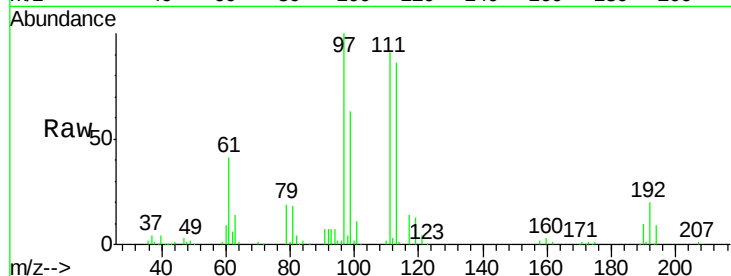
Tot Ion:113 Resp: 155269

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

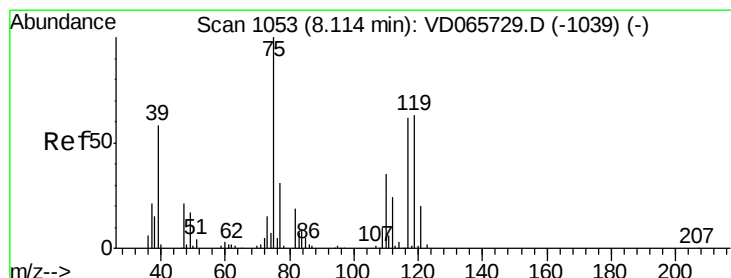
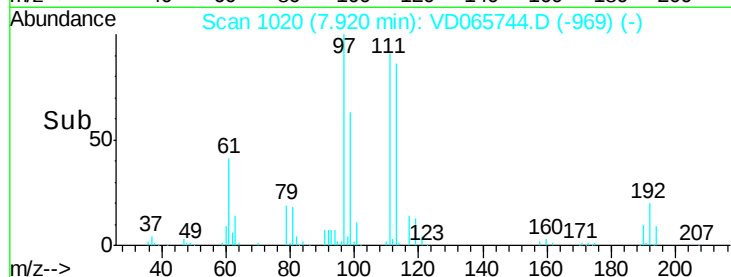
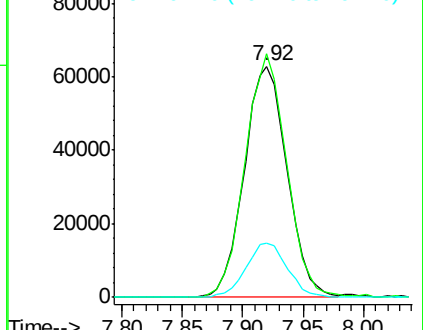
192 22.6 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.684 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

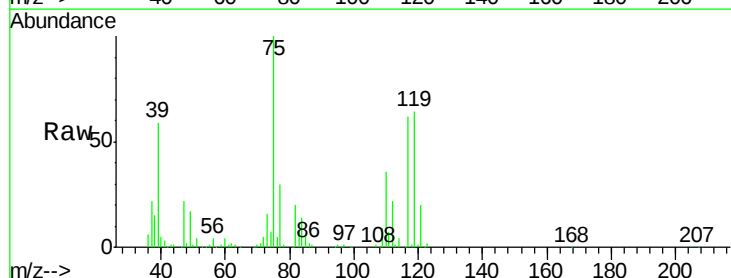
Tgt Ion: 75 Resp: 222185

Ion Ratio Lower Upper

75 100

110 37.6 18.4 55.2

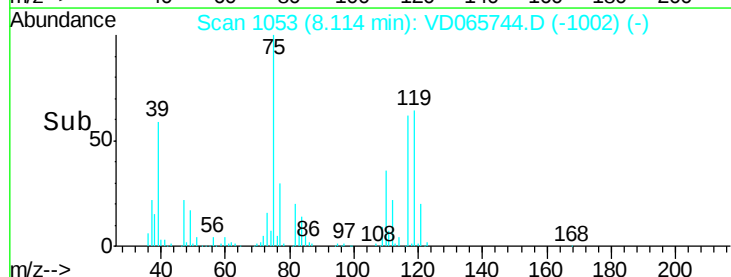
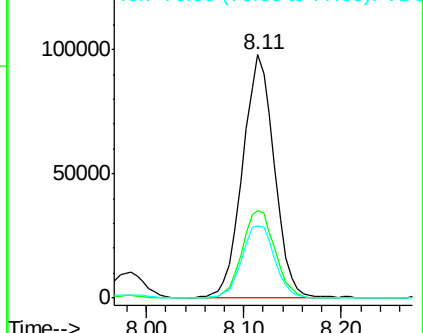
77 31.2 24.6 37.0

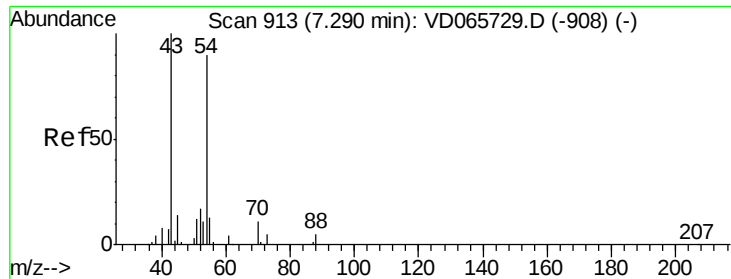


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

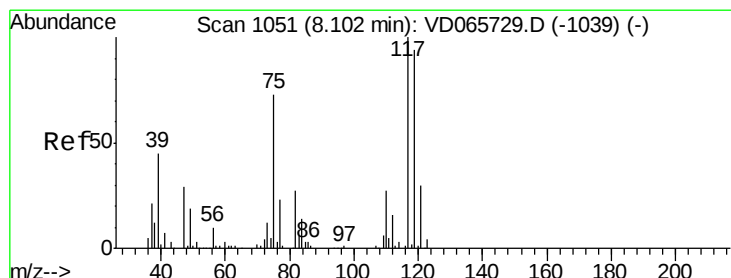
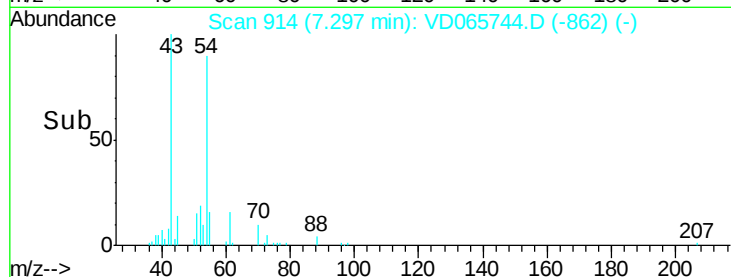
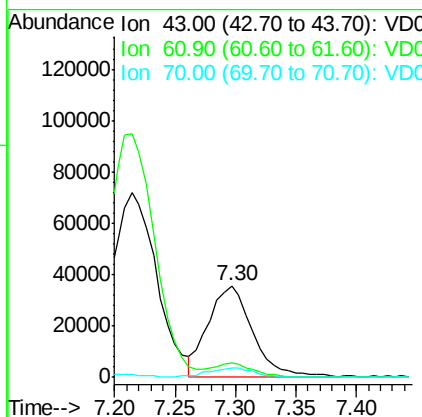
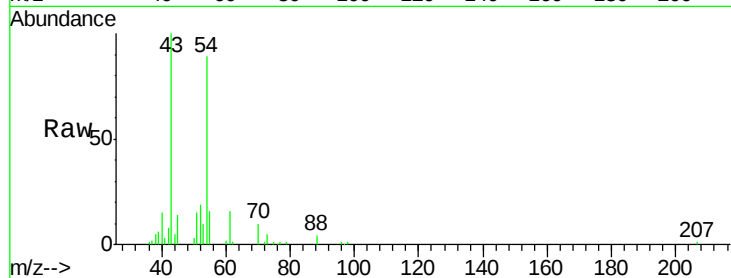




#37
Ethyl Acetate
Concen: 44.799 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

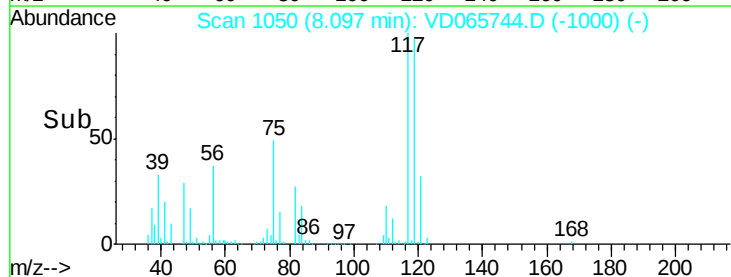
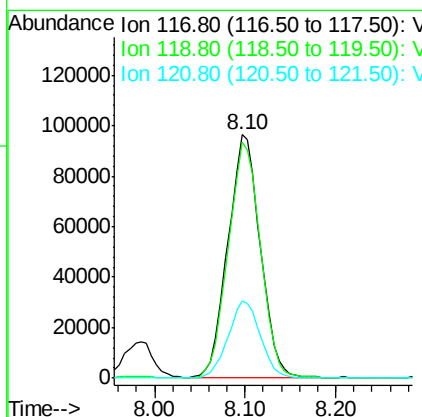
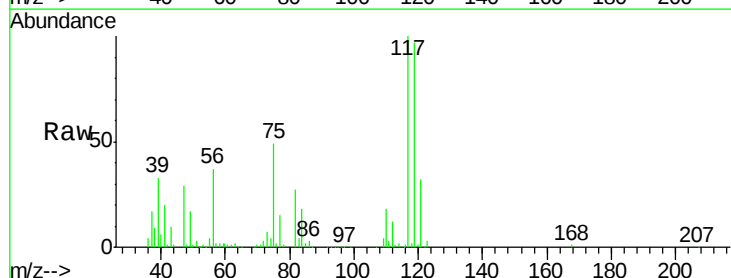
Instrument :
MSVOA_D
ClientSampleId :

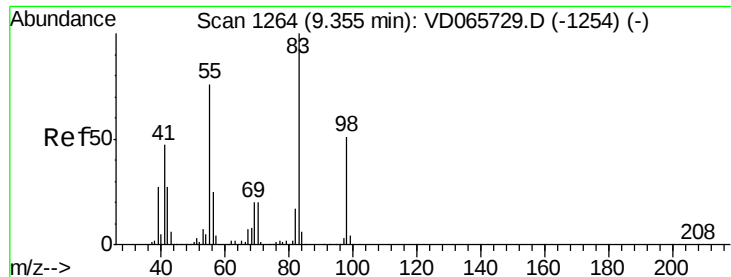
Tot Ion: 43 Resp: 89429
Ion Ratio Lower Upper
43 100
61 13.5 9.8 14.6
70 10.6 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.634 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 117 Resp: 240359
Ion Ratio Lower Upper
117 100
119 97.0 75.6 113.4
121 32.0 24.4 36.6

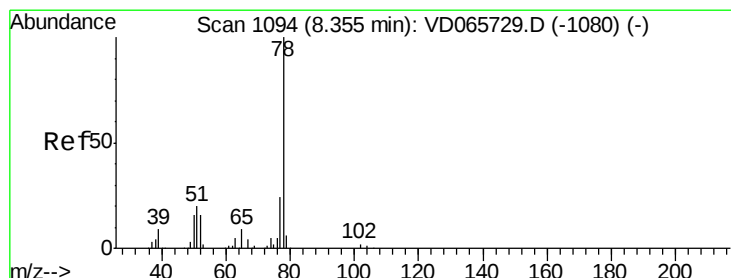
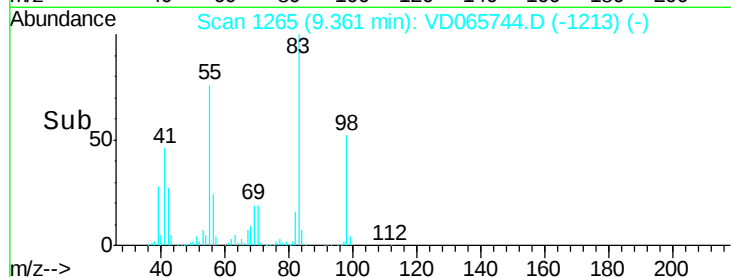
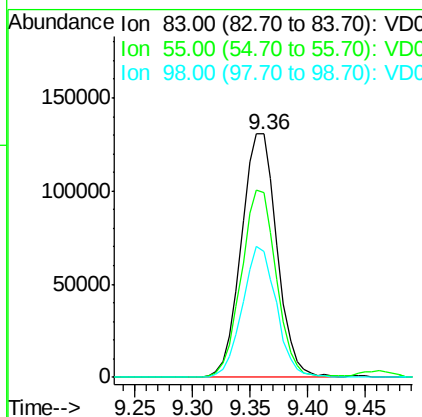
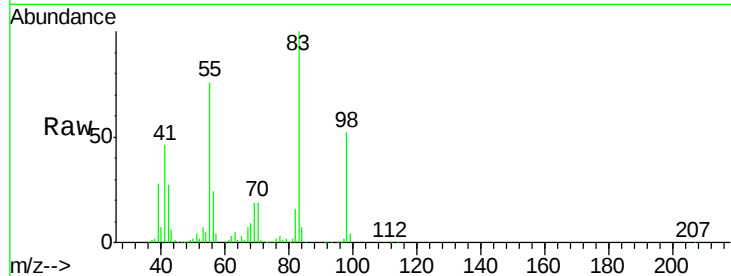




#39
Methvlcvclohexane
Concen: 47.162 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

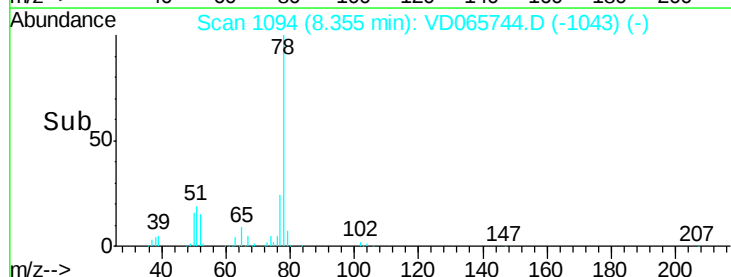
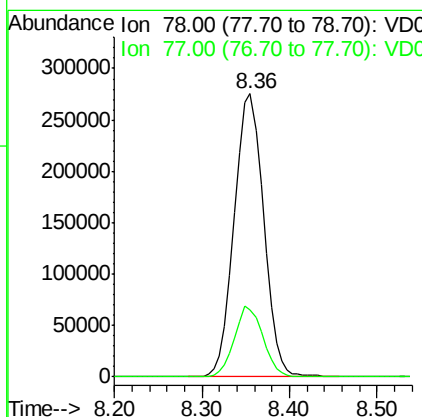
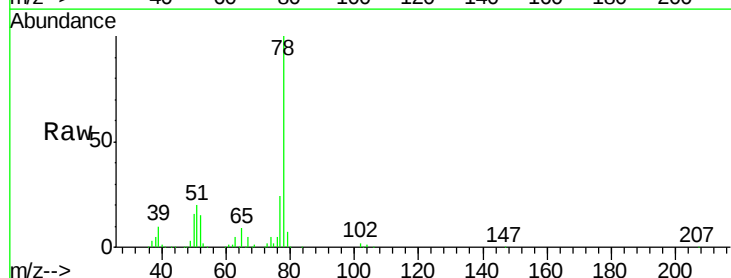
Instrument :
MSVOA_D
ClientSampleId :

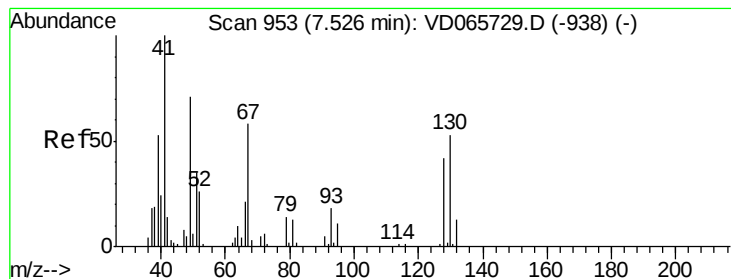
Tot Ion	83	Resp	281628
Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.9	91.3
98	51.5	40.6	61.0



#40
Benzene
Concen: 49.232 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion	78	Resp	630817
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 45.284 ug/l

RT: 7.53 min Scan# 953

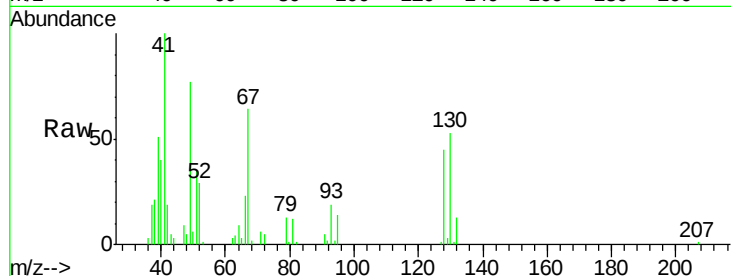
Delta R.T. 0.00 min

Lab File: VD065744.D

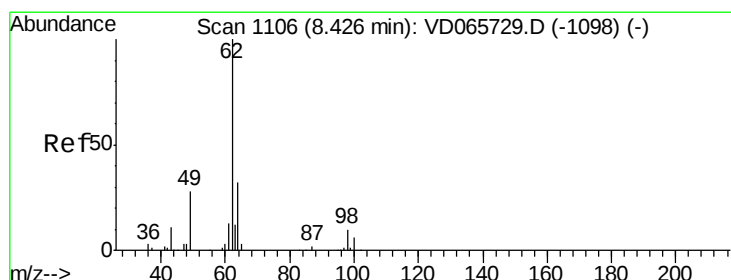
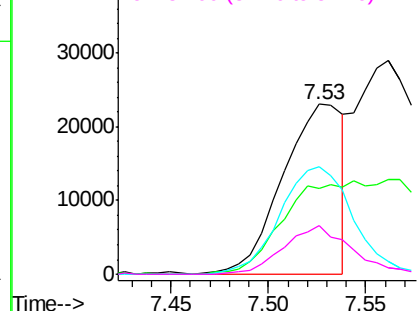
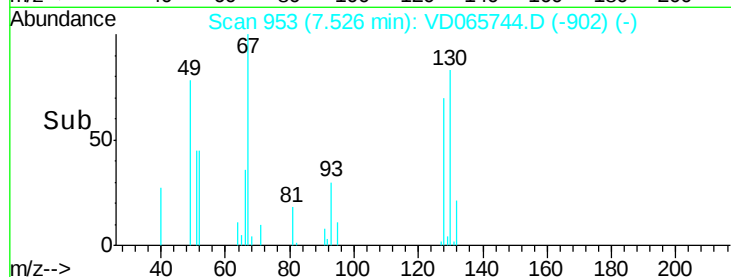
Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	49784
Ion	Ratio	Lower	Upper
41	100		
39	0.0	56.8	85.2#
67	76.5	57.9	86.9
52	32.3	25.9	38.9



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



#42

1,2-Dichloroethane

Concen: 49.295 ug/l

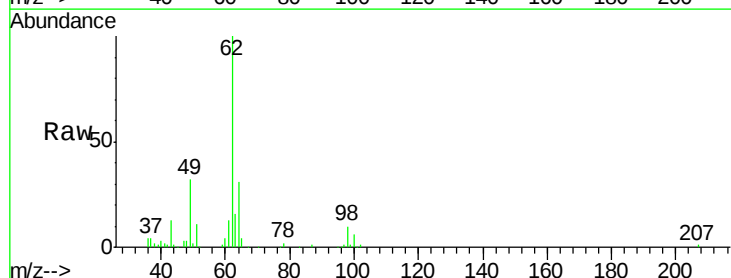
RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

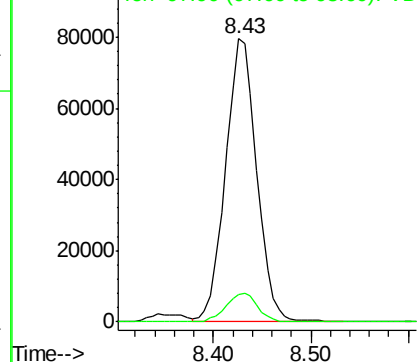
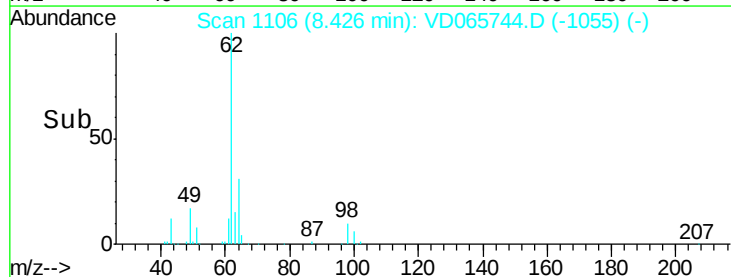
Lab File: VD065744.D

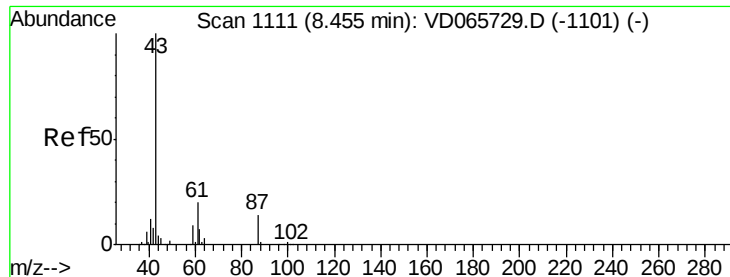
Acq: 14 May 2020 15:49

Tgt Ion:	62	Resp:	175864
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 46.873 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

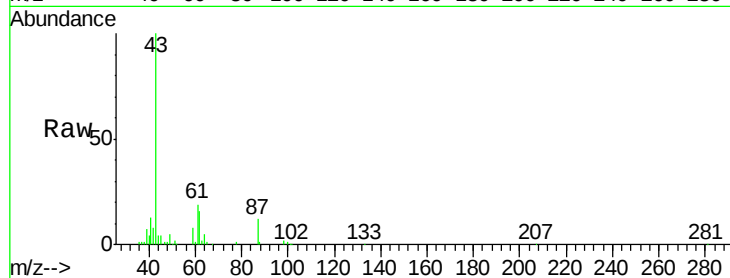
Tot Ion: 43 Resp: 185458

Ion Ratio Lower Upper

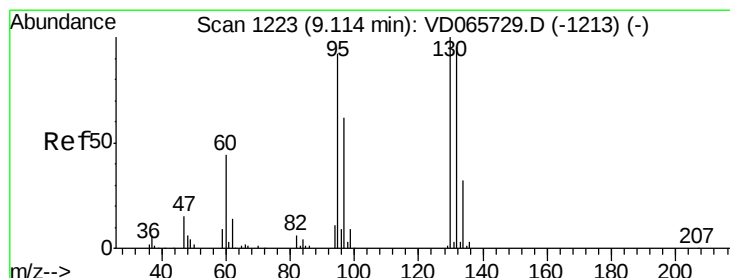
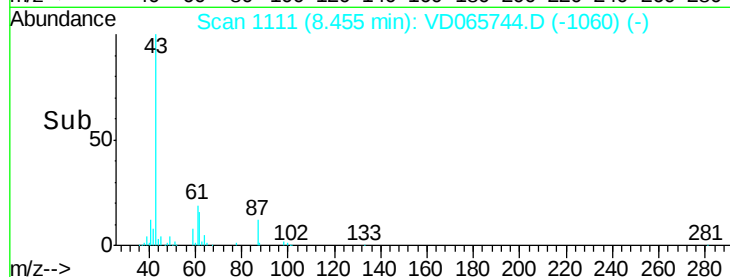
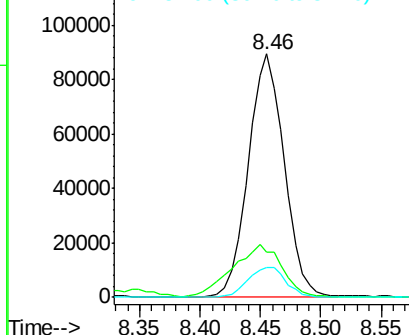
43 100

61 29.3 23.8 35.6

87 13.2 10.5 15.7



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: 49.118 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065744.D

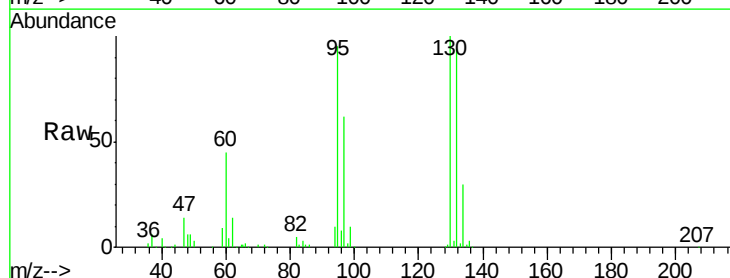
Acq: 14 May 2020 15:49

Tgt Ion: 130 Resp: 188412

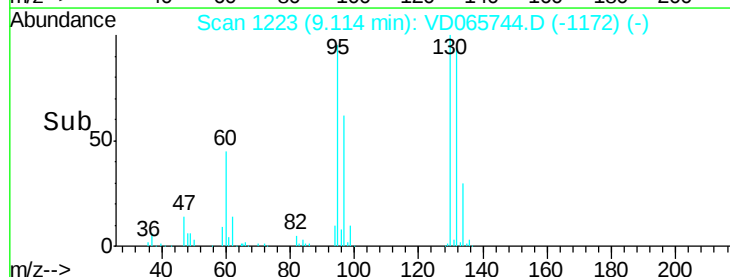
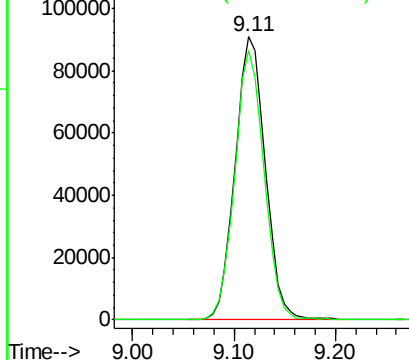
Ion Ratio Lower Upper

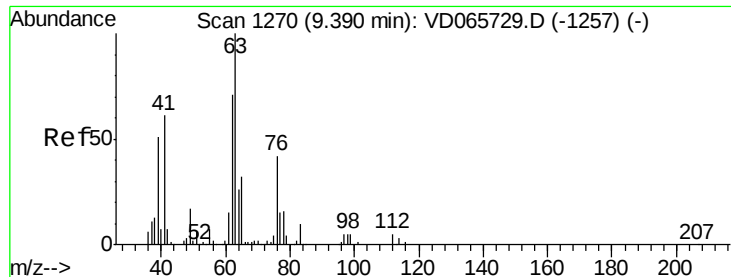
130 100

95 95.1 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

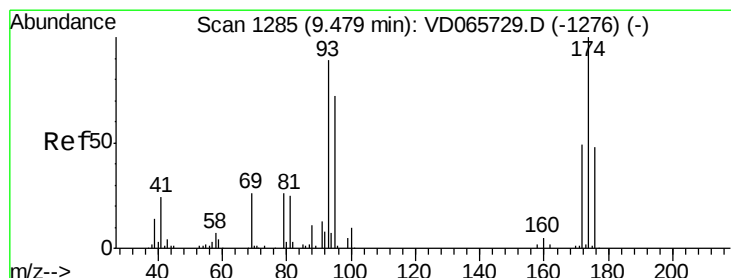
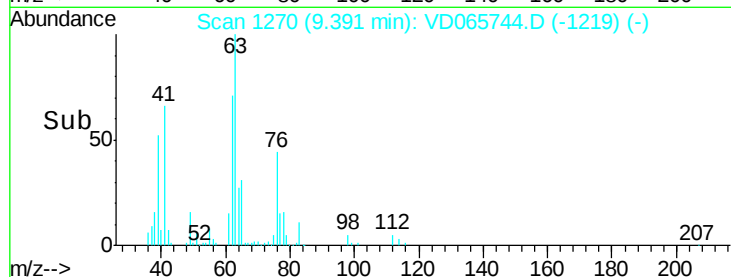
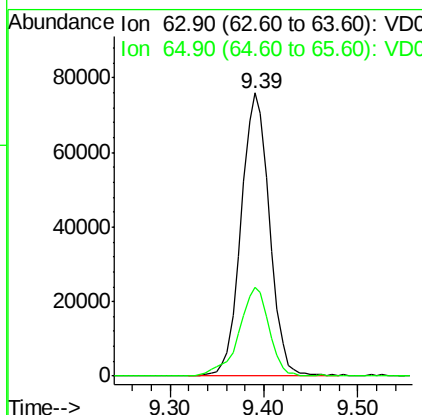
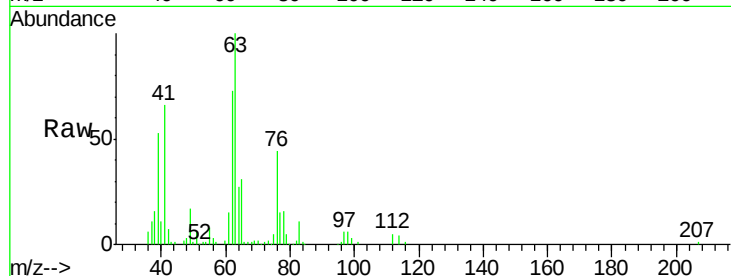




#45
 1,2-Dichloropropane
 Concen: 50.134 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

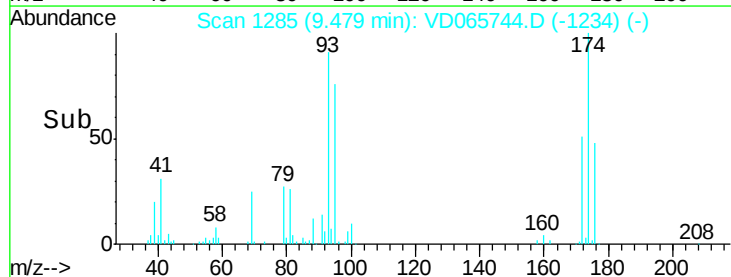
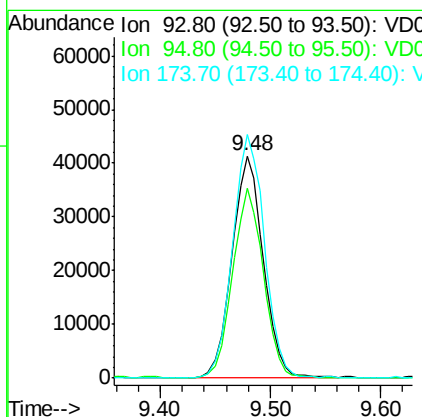
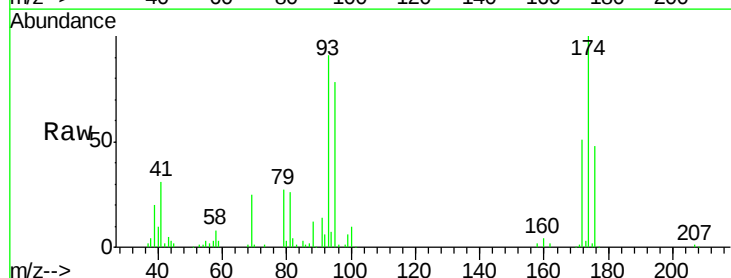
Instrument :
 MSVOA_D
 ClientSampleId :

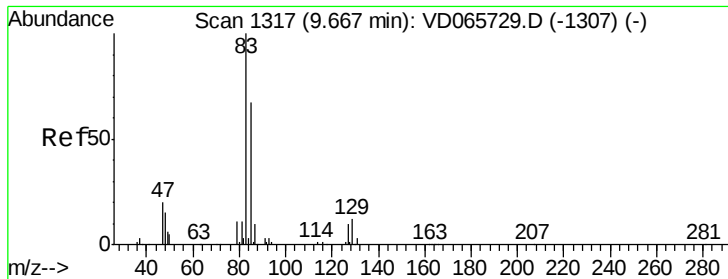
Tot Ion: 63 Resp: 158379
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.3 37.9



#46
 Dibromomethane
 Concen: 48.499 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion: 93 Resp: 82616
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.4 98.2
 174 111.0 89.9 134.9





#47

Bromodichloromethane

Concen: 49.923 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

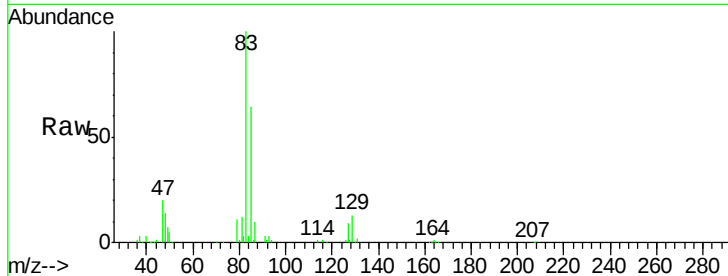
Tot Ion: 83 Resp: 222595

Ion Ratio Lower Upper

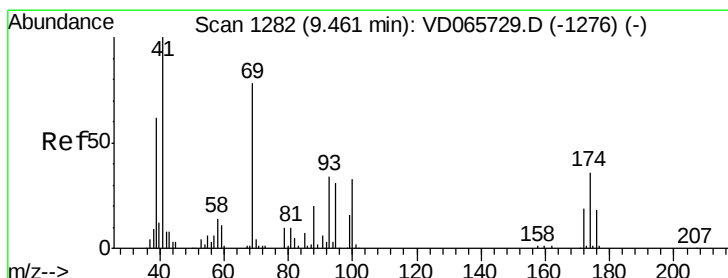
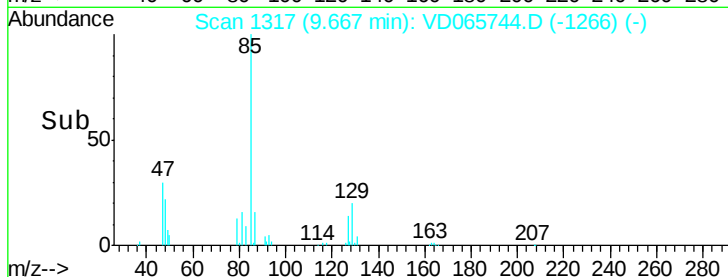
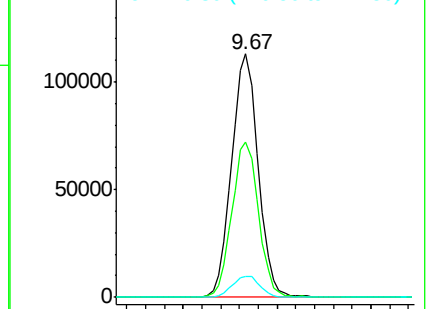
83 100

85 63.8 53.6 80.4

127 8.8 7.7 11.5



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



#48

Methyl methacrylate

Concen: 48.055 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

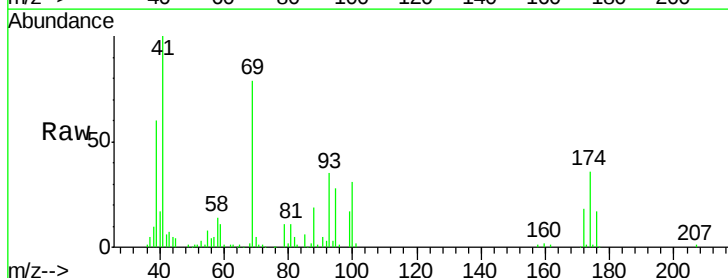
Tgt Ion: 41 Resp: 89248

Ion Ratio Lower Upper

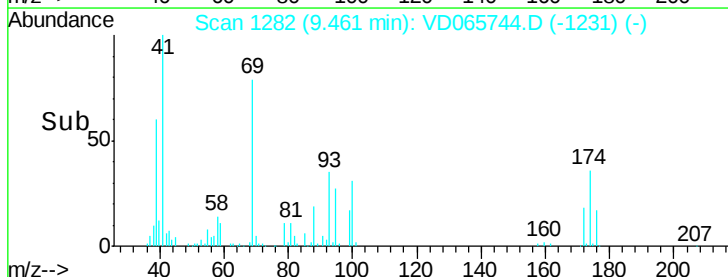
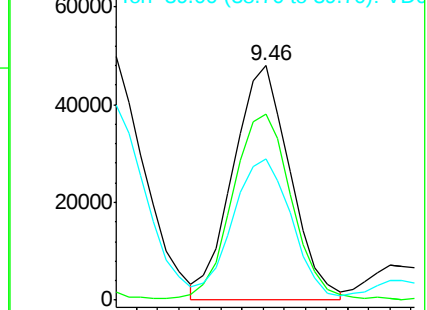
41 100

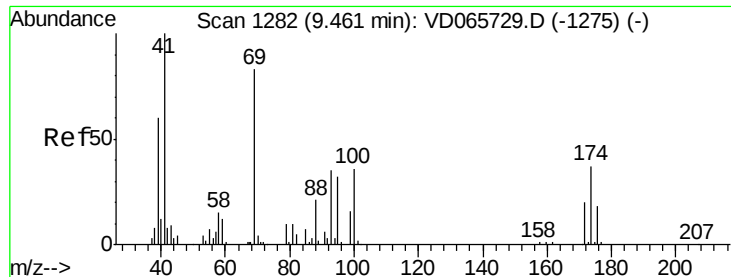
69 82.2 64.4 96.6

39 58.9 46.7 70.1



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

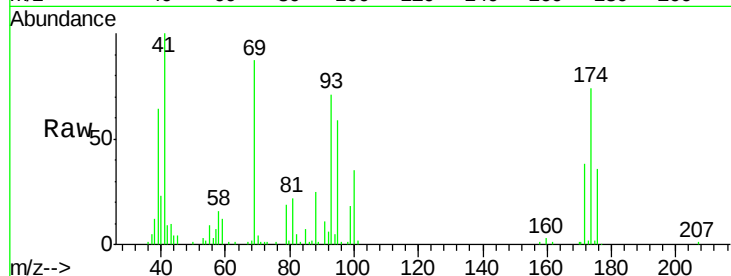




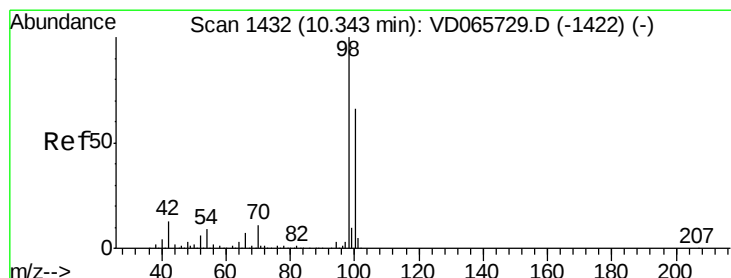
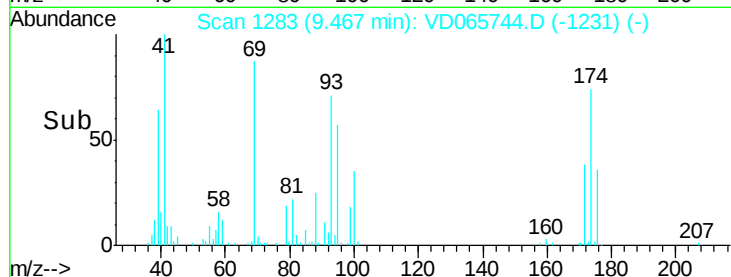
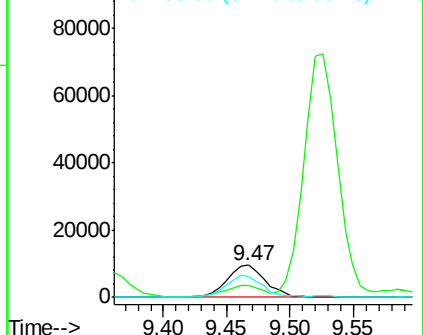
#49
1,4-Dioxane
Concen: 986.856 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 19835
Ion Ratio Lower Upper
88 100
43 35.0 29.4 44.0
58 65.4 55.1 82.7

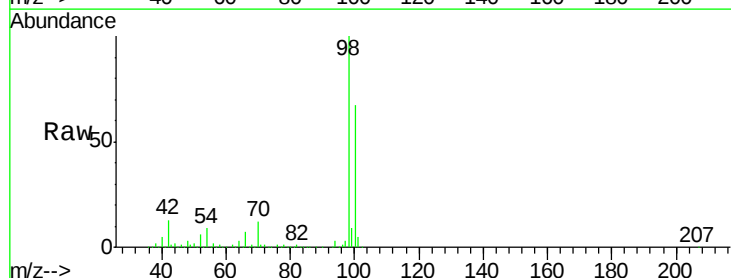


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

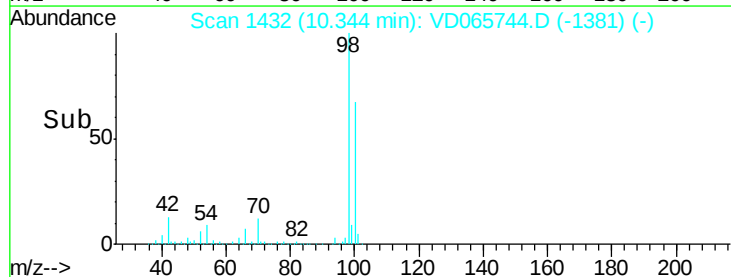
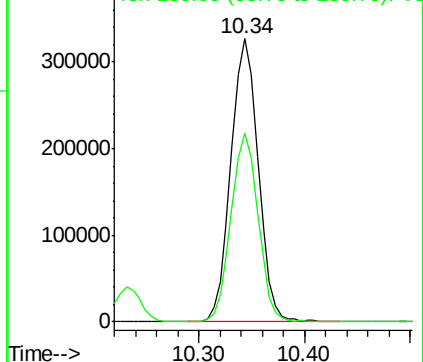


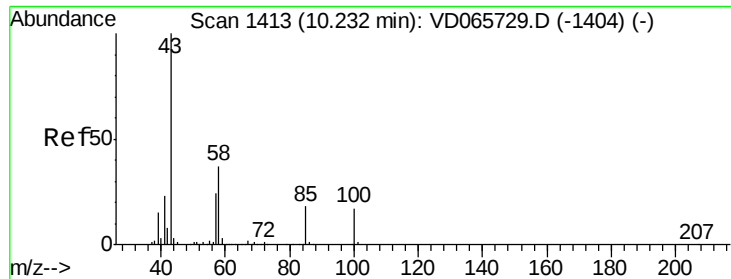
#50
Toluene-d8
Concen: 50.598 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 98 Resp: 585541
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

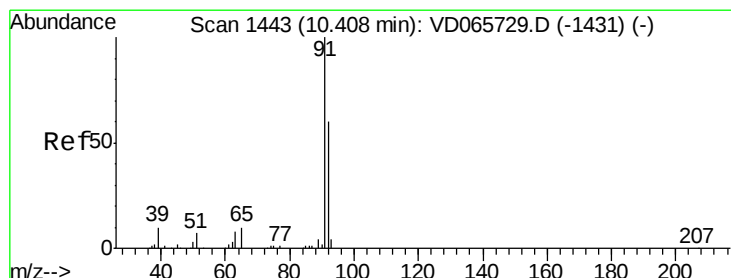
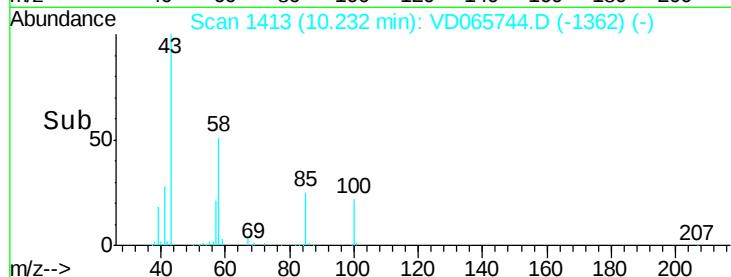
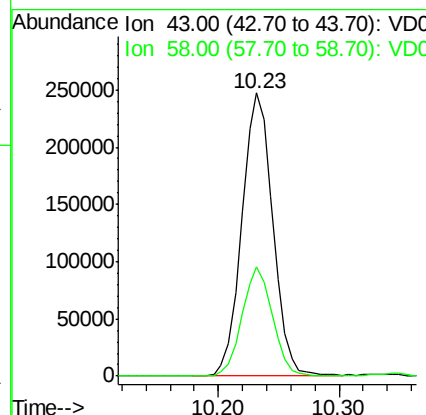
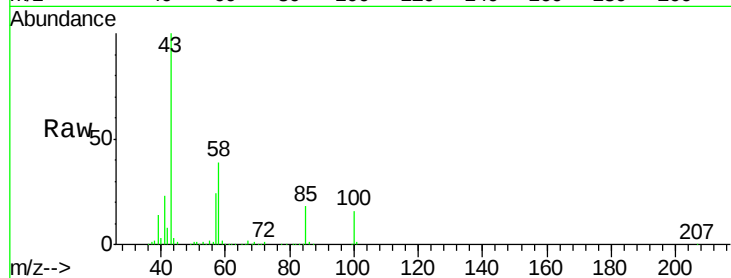




#51
4-Methyl-2-Pentanone
Concen: 234.095 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

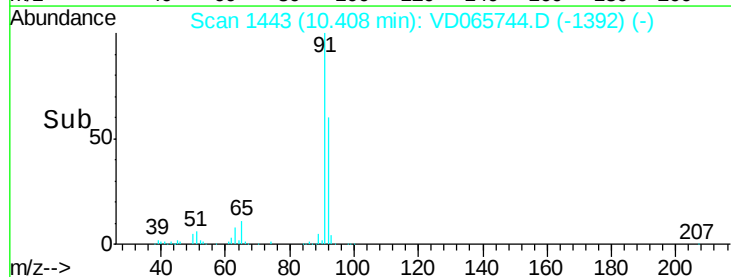
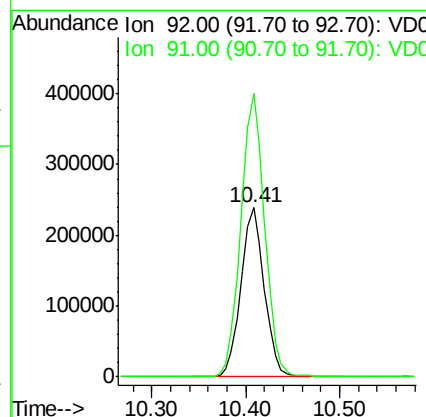
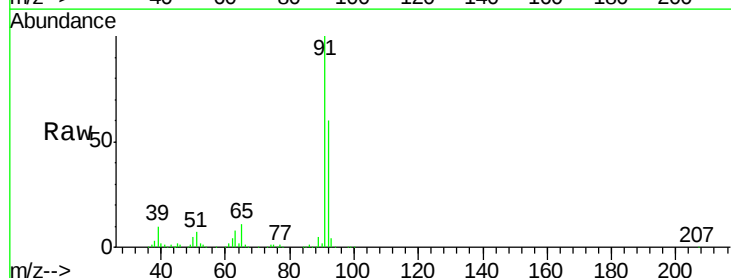
Instrument :
MSVOA_D
ClientSampled :

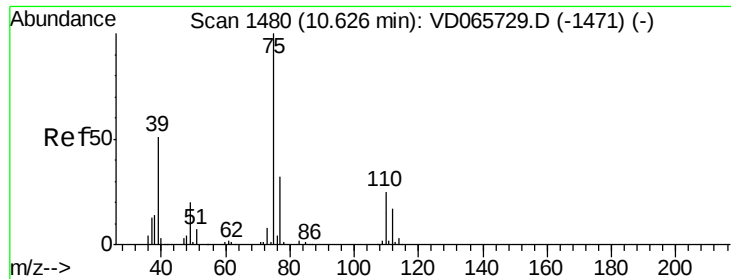
Tot Ion: 43 Resp: 443238
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2



#52
Toluene
Concen: 49.158 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 92 Resp: 412637
Ion Ratio Lower Upper
92 100
91 170.4 136.6 205.0

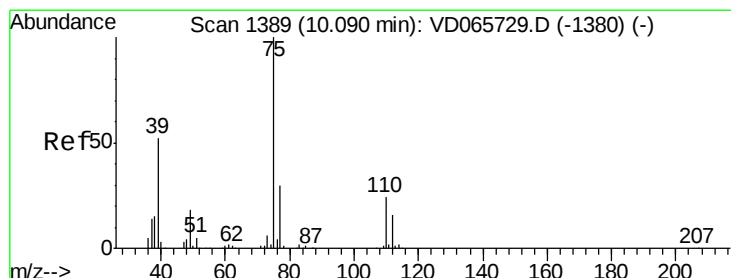
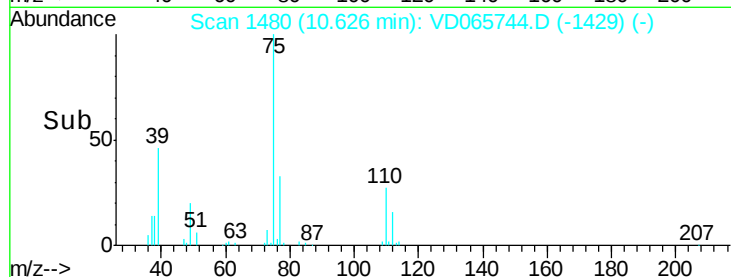
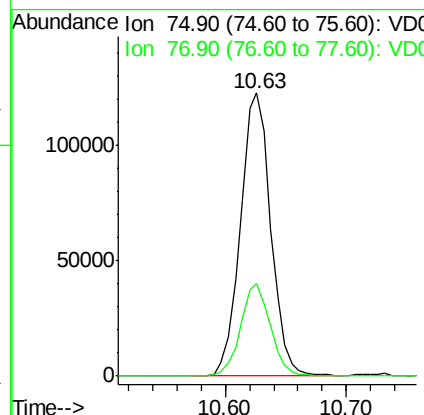
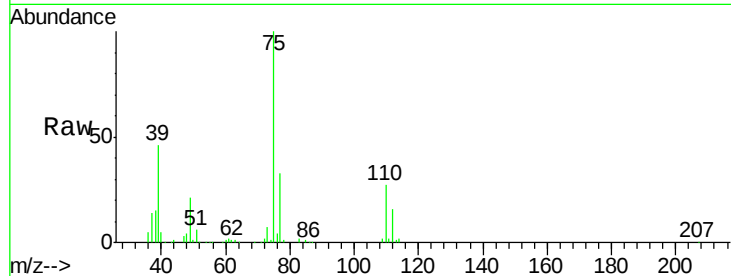




#53
t-1,3-Dichloropropene
Concen: 49.577 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

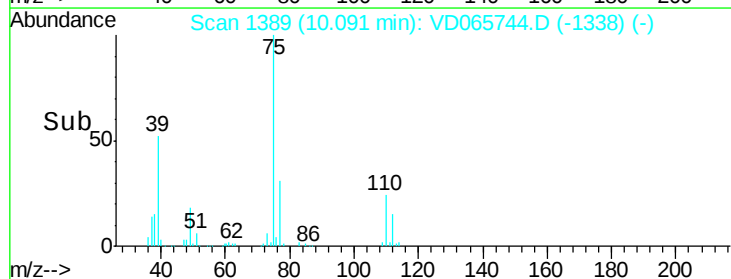
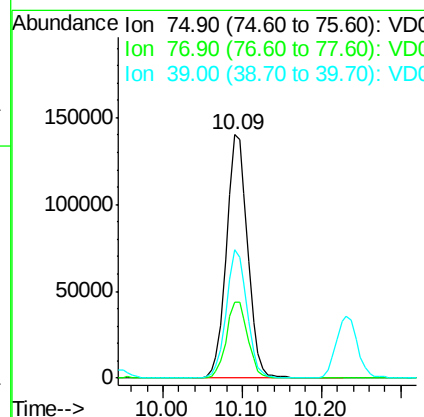
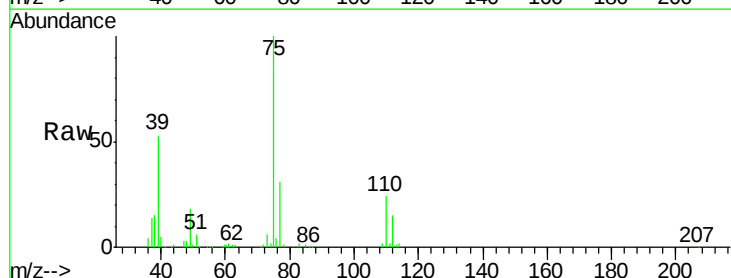
Instrument :
MSVOA_D
ClientSampleId :

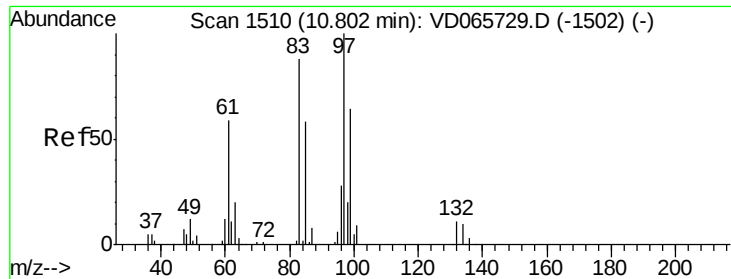
Tot Ion: 75 Resp: 215955
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 49.980 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 75 Resp: 258962
Ion Ratio Lower Upper
75 100
77 30.9 23.8 35.6
39 52.3 41.9 62.9

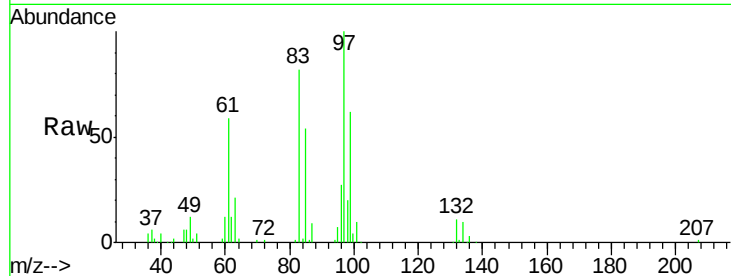




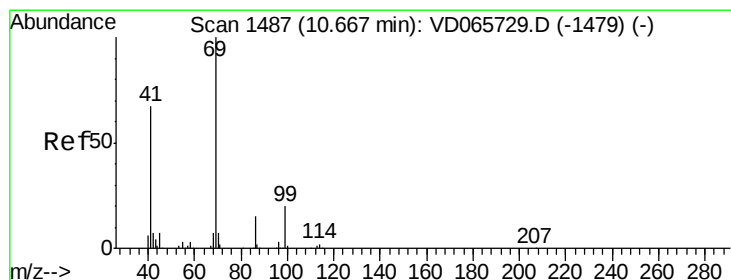
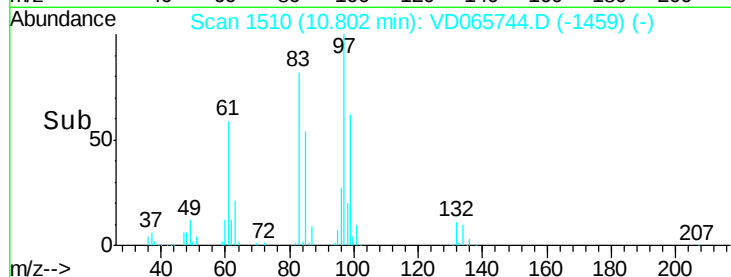
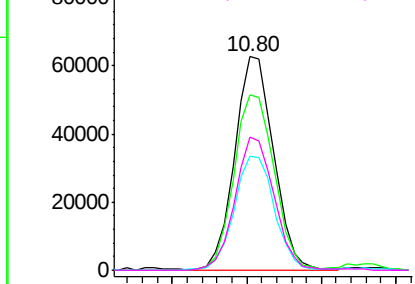
#55
 1,1,2-Trichloroethane
 Concen: 48.555 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	112677
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.7	106.1
85	53.3	46.8	70.2
99	62.6	50.9	76.3

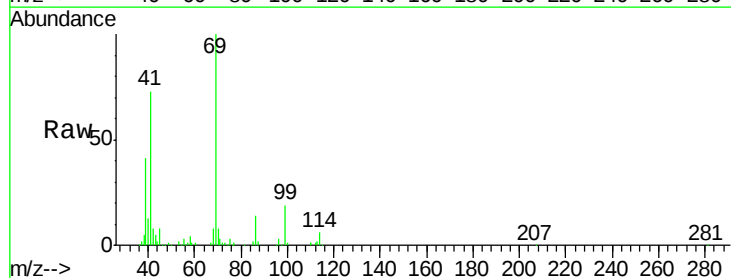


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

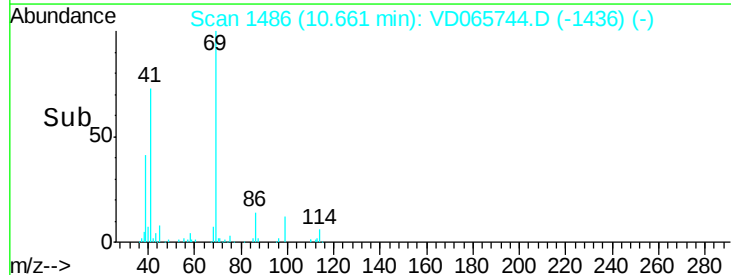
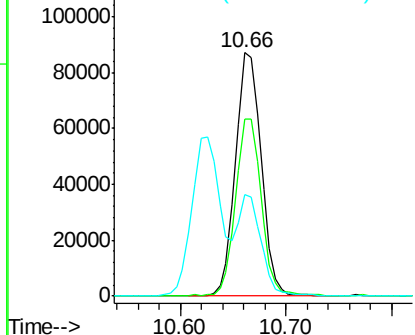


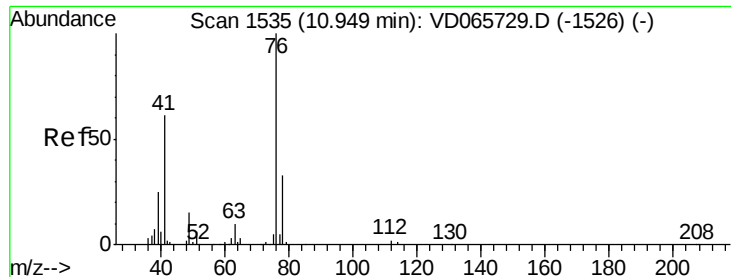
#56
 Ethyl methacrylate
 Concen: 48.647 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion:	69	Resp:	147136
Ion	Ratio	Lower	Upper
69	100		
41	71.7	55.7	83.5
39	36.9	28.6	43.0



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: 49.057 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

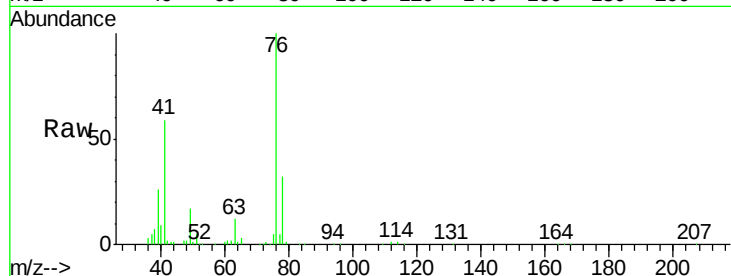
ClientSampleId :

Tot Ion: 76 Resp: 198007

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

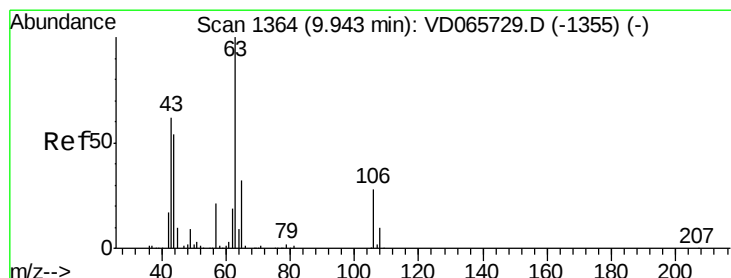
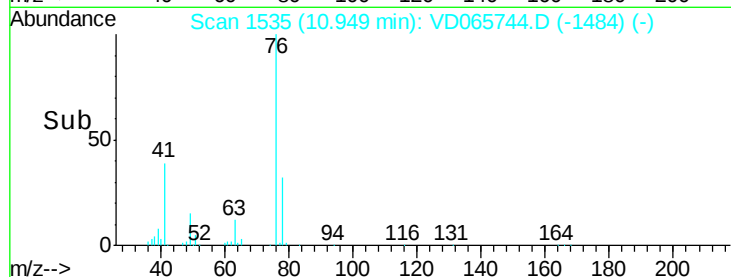
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.185 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065744.D

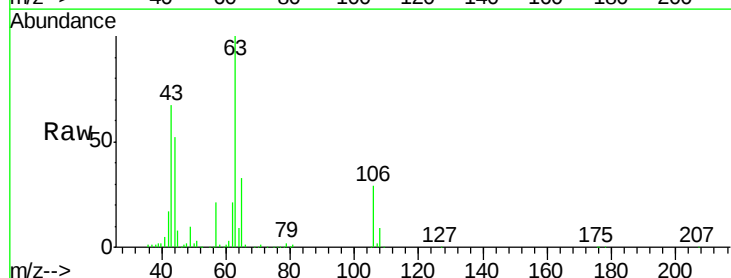
Acq: 14 May 2020 15:49

Tgt Ion: 63 Resp: 343600

Ion Ratio Lower Upper

63 100

106 29.4 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

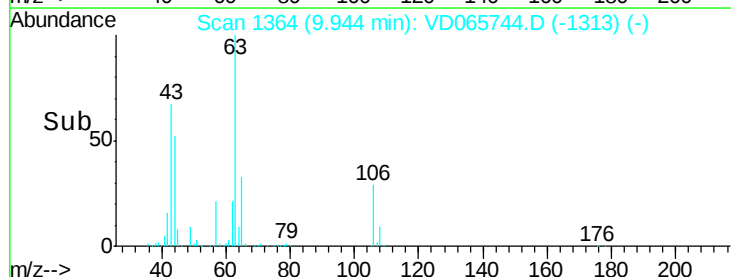
150000

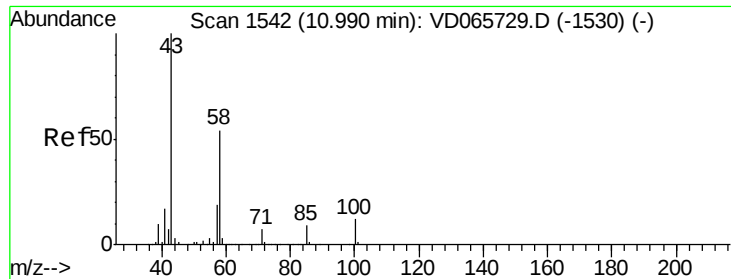
100000

50000

0

Time-->

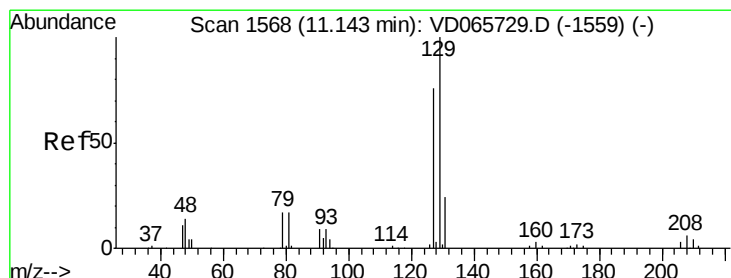
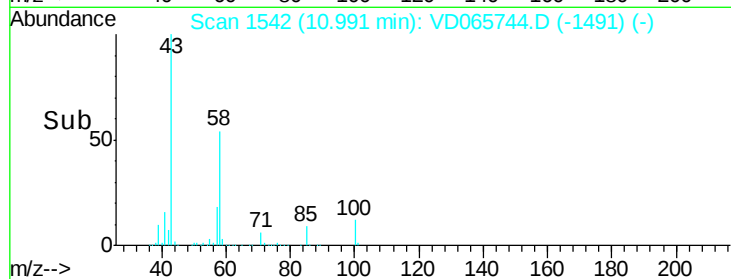
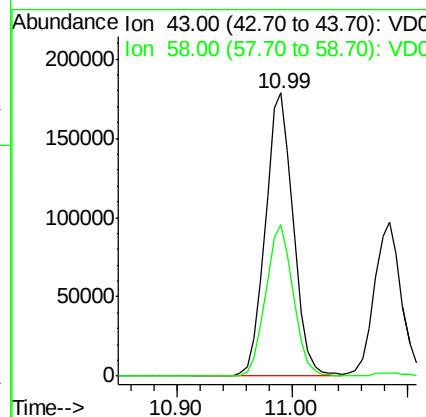
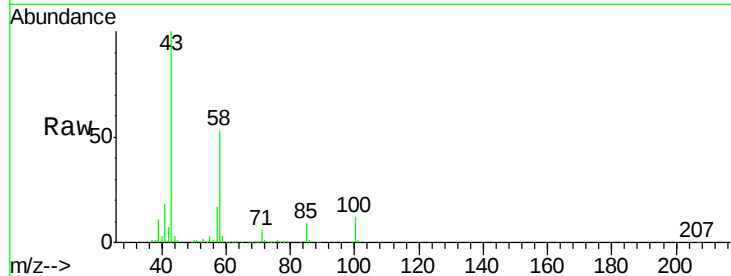




#59
2-Hexanone
Concen: 233.572 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

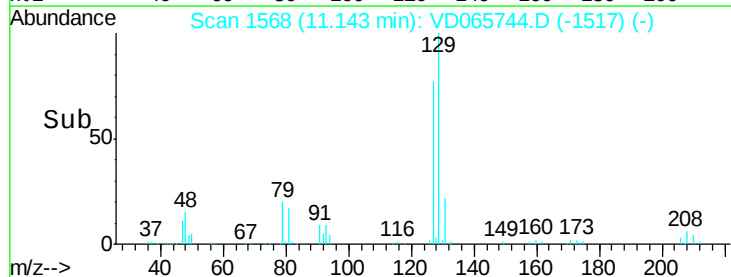
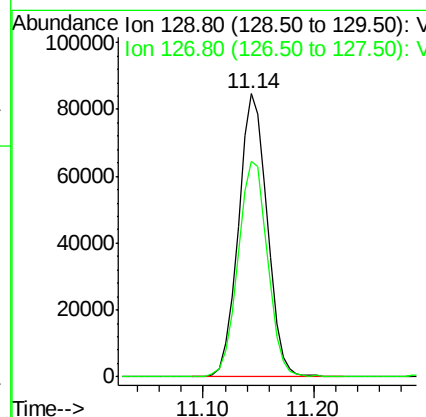
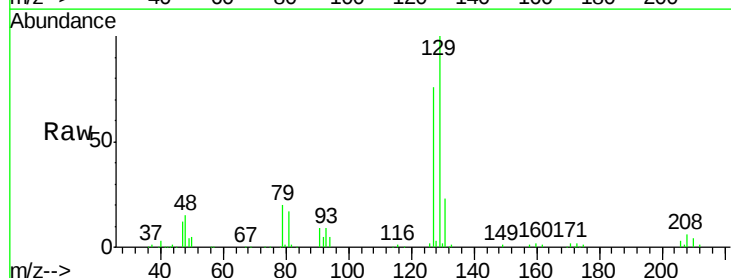
Instrument :
MSVOA_D
ClientSampleId :

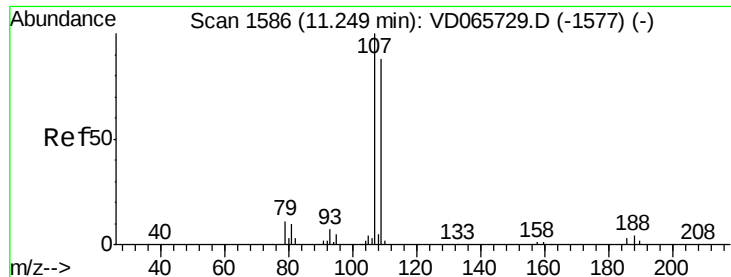
Tot Ion: 43 Resp: 301159
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.1



#60
Dibromochloromethane
Concen: 49.910 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 129 Resp: 155101
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9

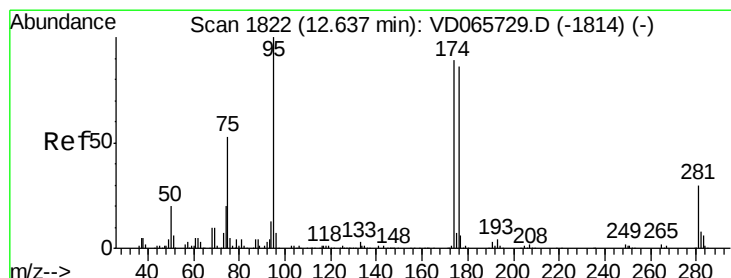
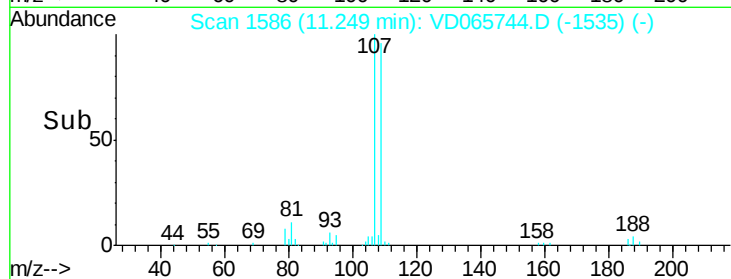
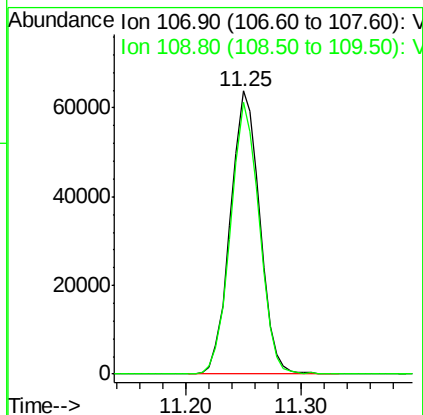
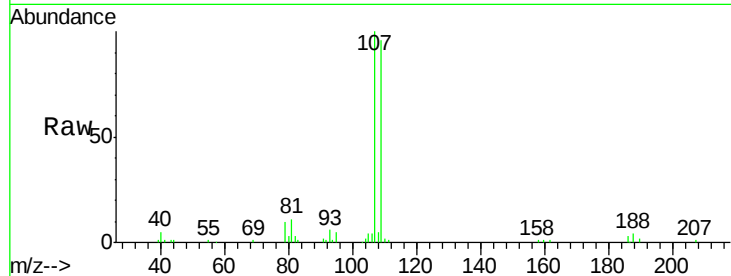




#61
 1,2-Dibromoethane
 Concen: 48.521 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

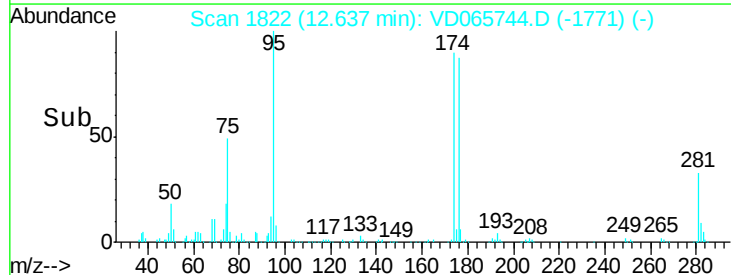
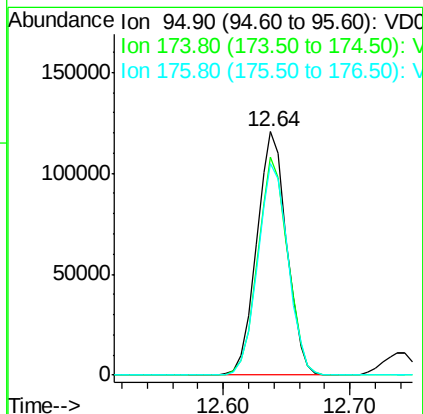
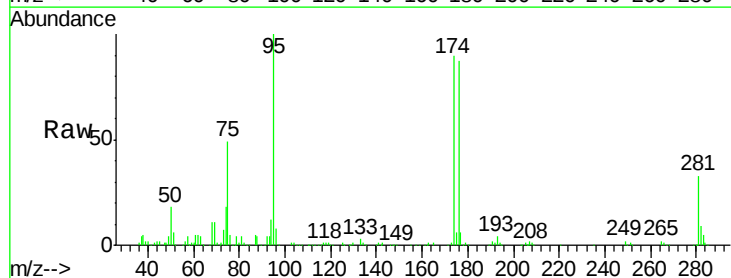
Instrument :
 MSVOA_D
 ClientSampleId :

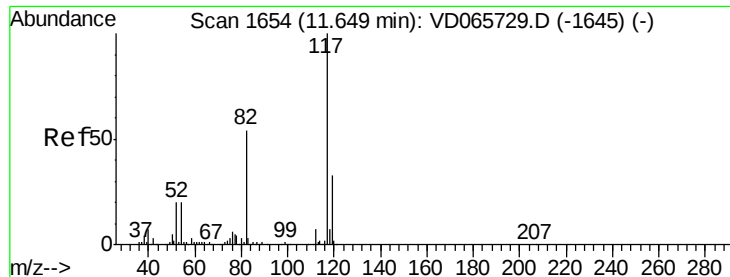
Tot Ion:107 Resp: 112457
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 50.885 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion: 95 Resp: 199426
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 179.4
 176 87.7 0.0 174.0

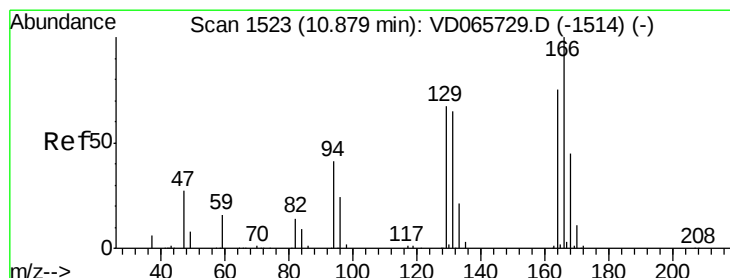
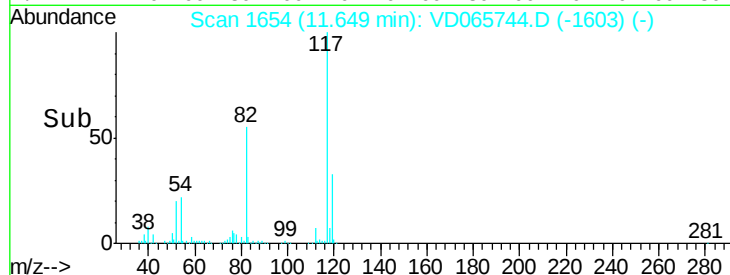
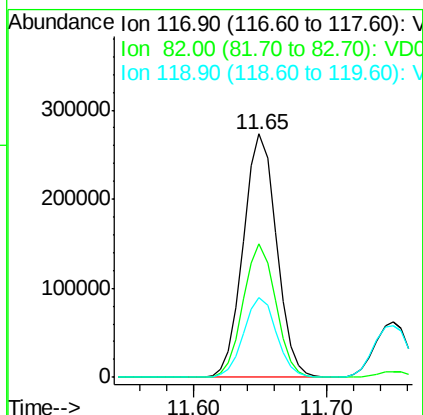
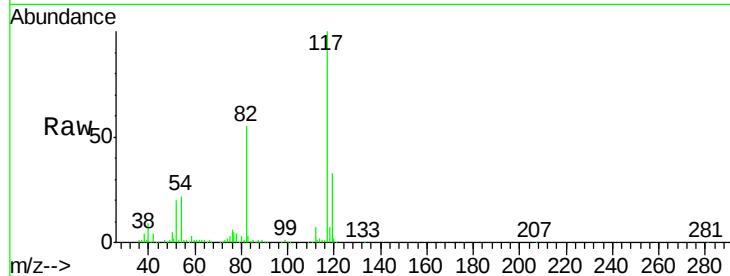




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

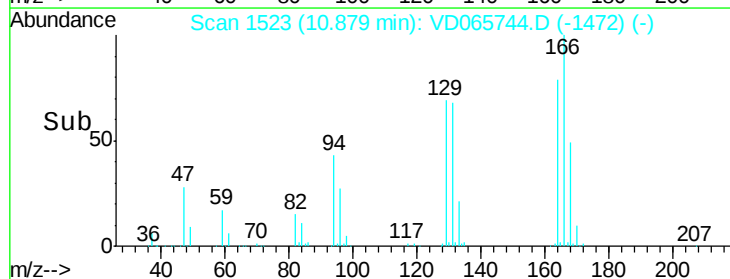
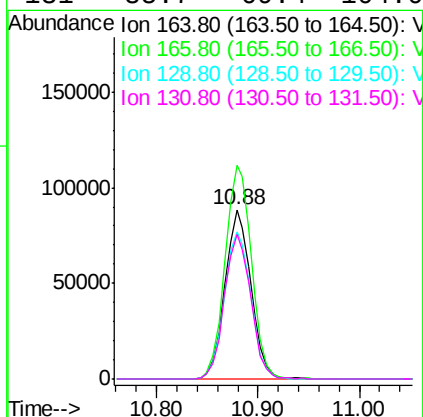
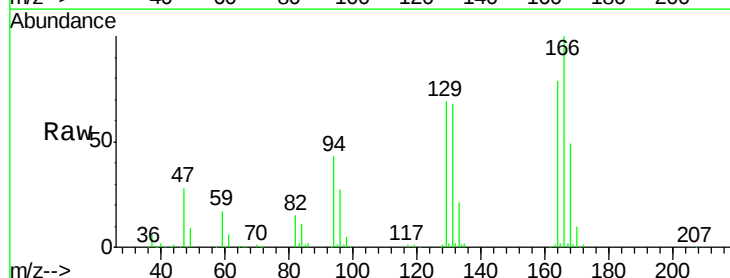
Instrument :
MSVOA_D
ClientSampleId :

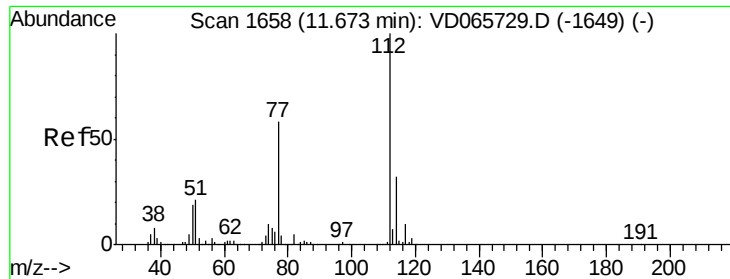
Tot Ion:117 Resp: 469994
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 32.9 26.6 40.0



#64
Tetrachloroethene
Concen: 48.386 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion:164 Resp: 157251
Ion Ratio Lower Upper
164 100
166 126.3 106.6 159.8
129 87.4 71.4 107.2
131 85.7 69.4 104.0

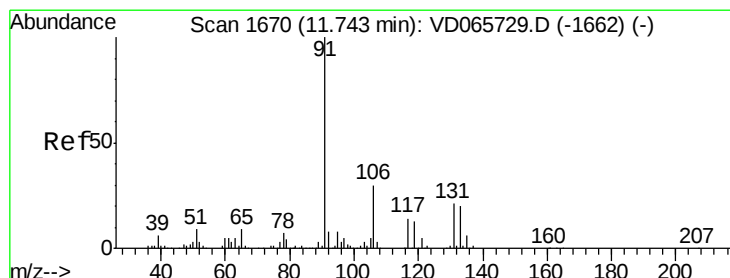
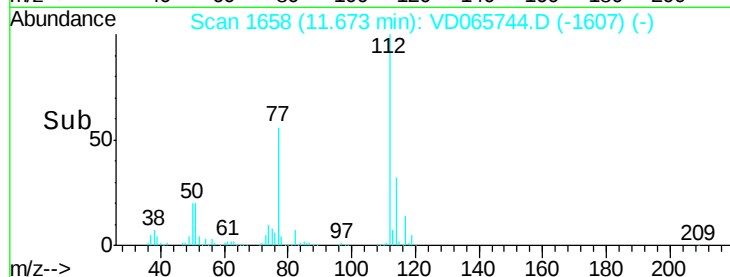
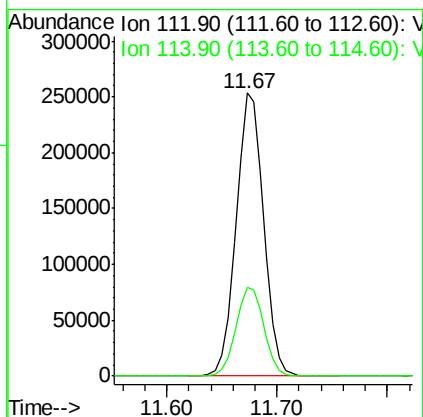
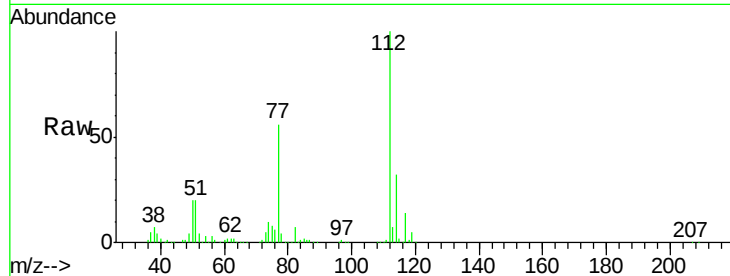




#65
Chlorobenzene
Concen: 50.010 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

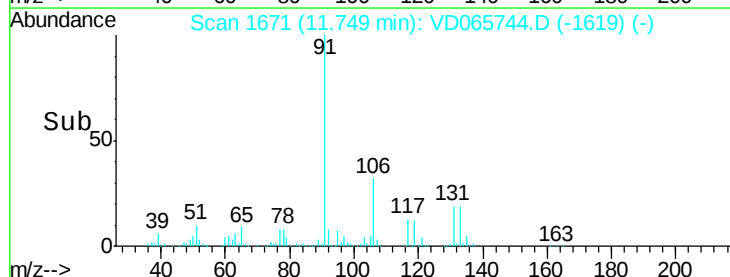
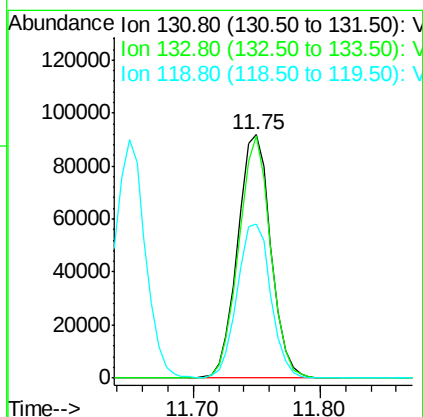
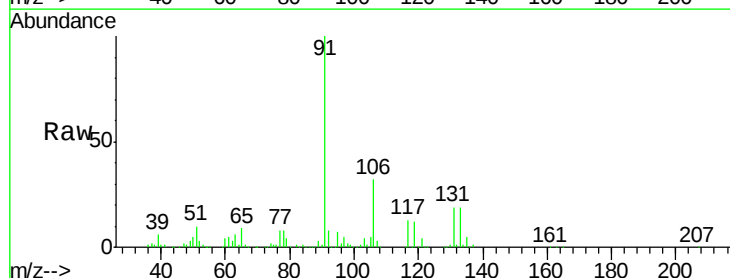
Instrument :
MSVOA_D
ClientSampled :

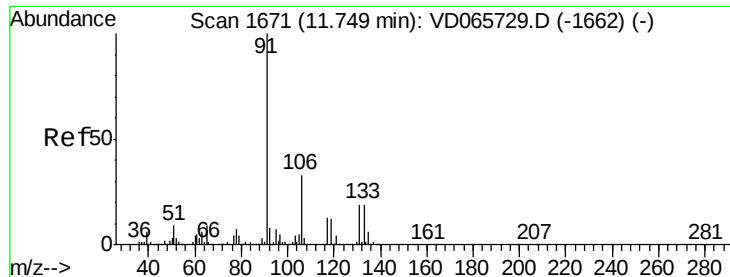
Tot Ion:112 Resp: 442918
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.323 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion:131 Resp: 166864
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 63.7 31.6 95.0





#67

Ethyl Benzene

Concen: 50.408 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

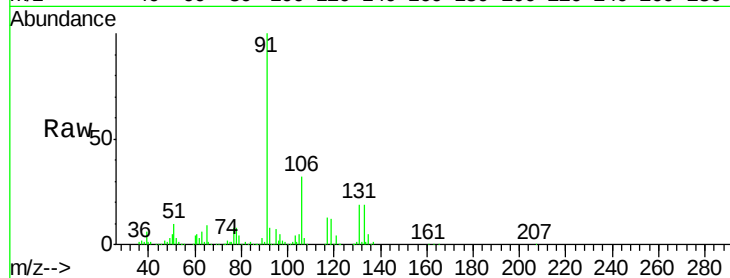
ClientSampled :

Tot Ion: 91 Resp: 796037

Ion Ratio Lower Upper

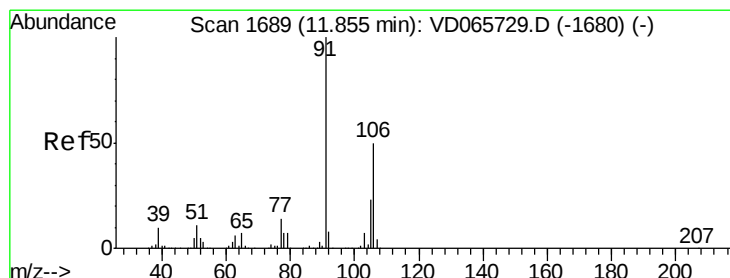
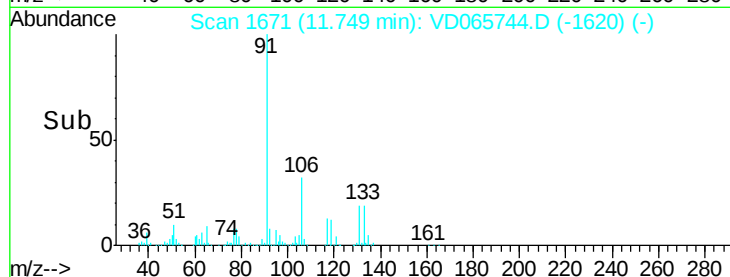
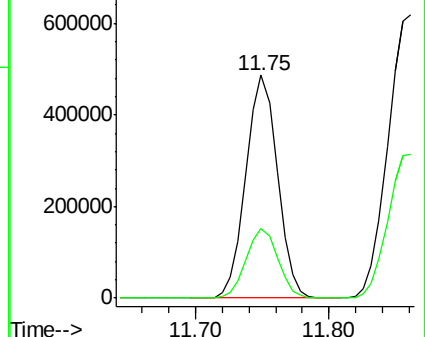
91 100

106 31.5 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.846 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065744.D

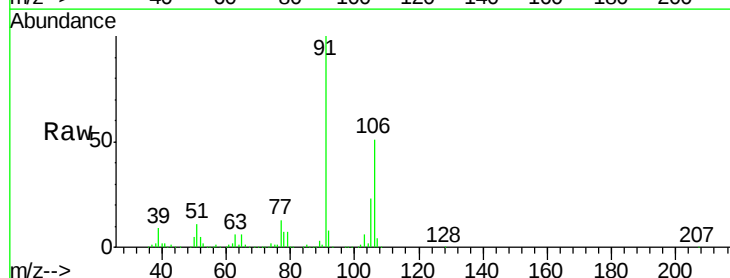
Acq: 14 May 2020 15:49

Tgt Ion: 106 Resp: 614279

Ion Ratio Lower Upper

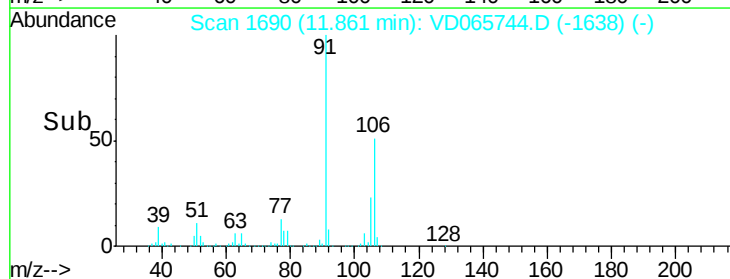
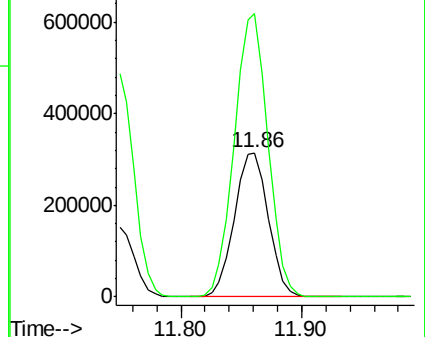
106 100

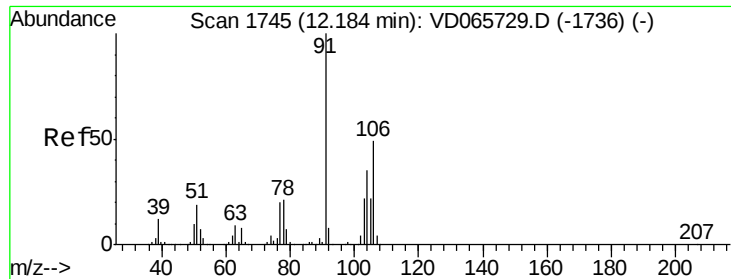
91 195.4 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

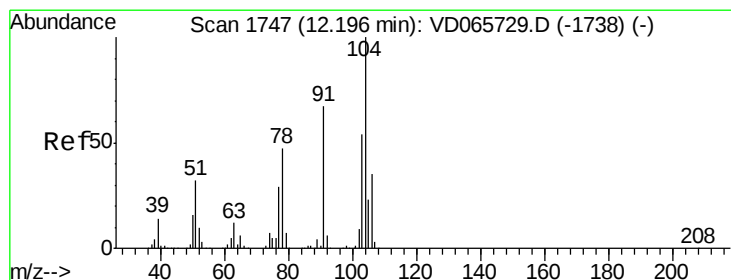
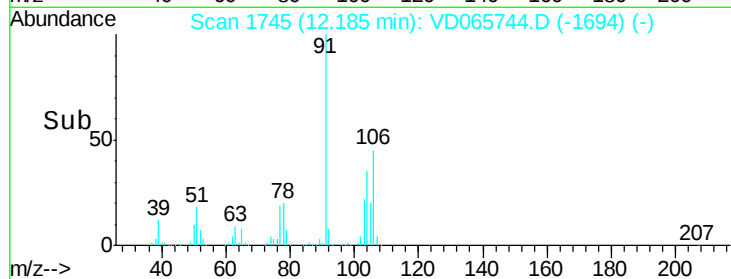
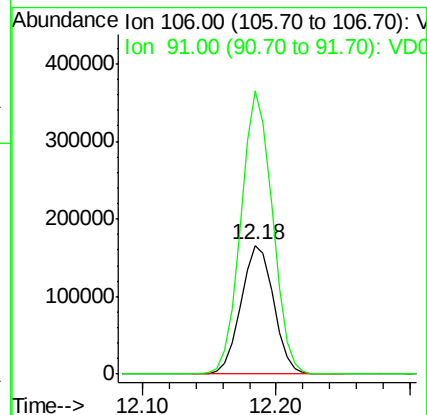
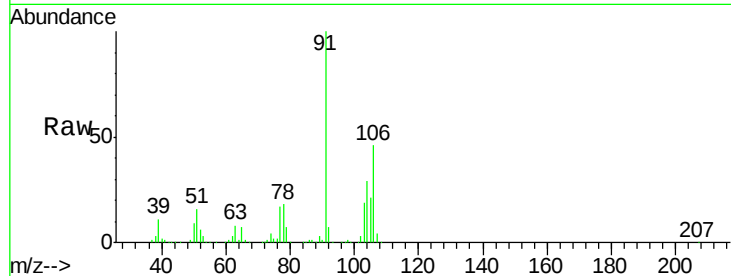




#69
o-Xylene
Concen: 49.969 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

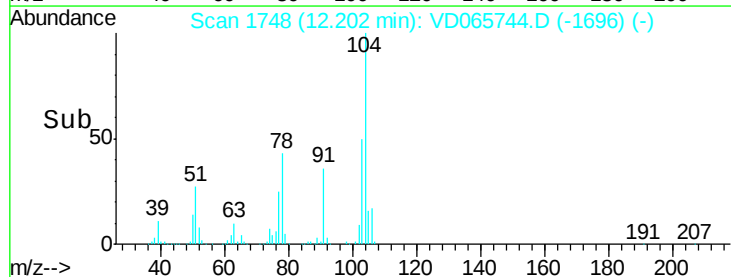
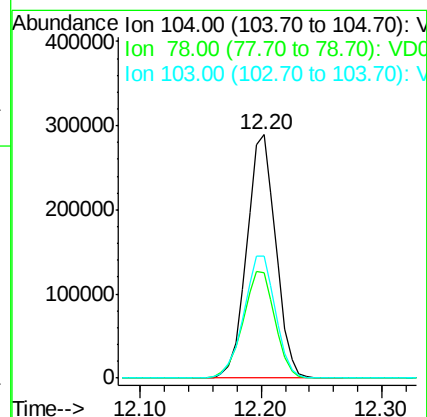
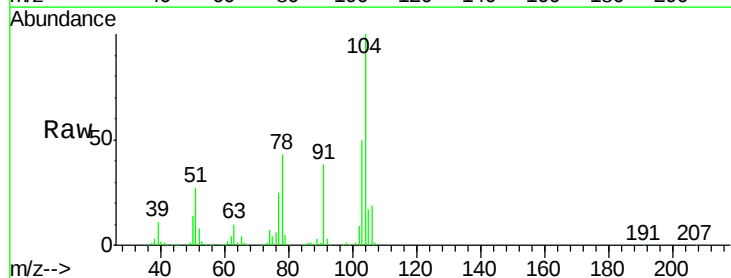
Instrument :
MSVOA_D
ClientSampled :

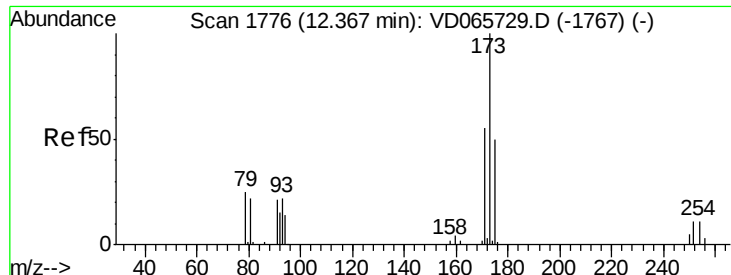
Tot Ion:106 Resp: 280567
Ion Ratio Lower Upper
106 100
91 212.1 101.8 305.4



#70
Styrene
Concen: 50.573 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion:104 Resp: 484593
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 54.6 44.0 66.0





#71

Bromoform

Concen: 50.184 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

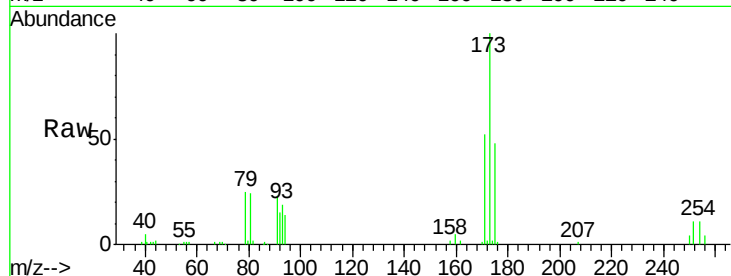
Tot Ion:173 Resp: 91840

Ion Ratio Lower Upper

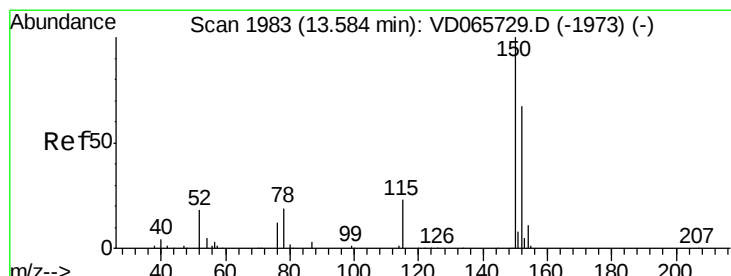
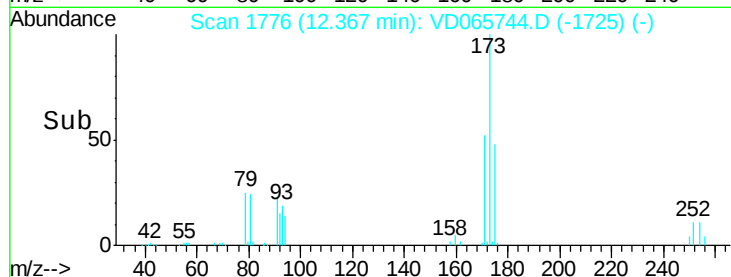
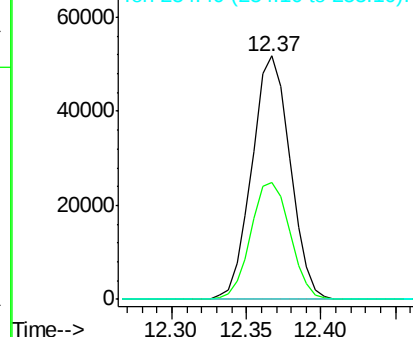
173 100

175 49.3 24.6 73.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

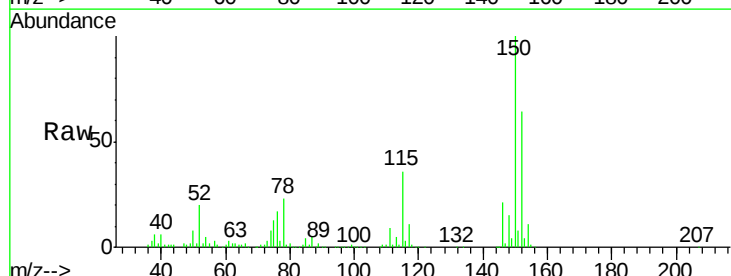
Tgt Ion:152 Resp: 231974

Ion Ratio Lower Upper

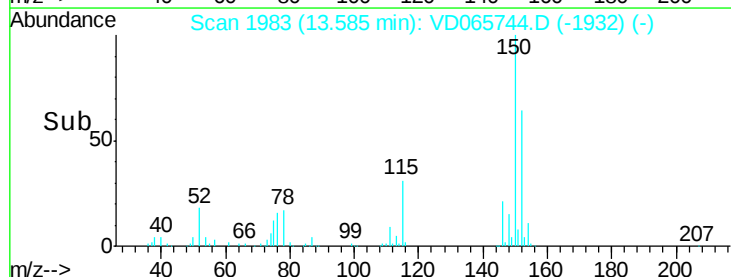
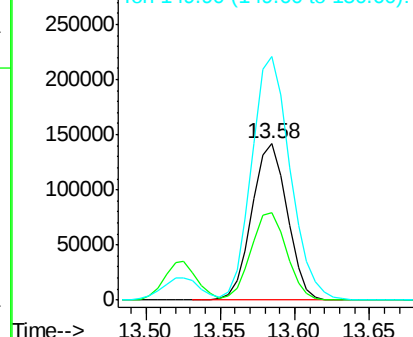
152 100

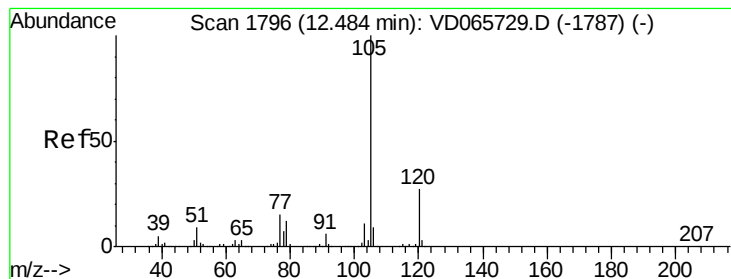
115 56.7 28.1 84.3

150 169.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: 49.611 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

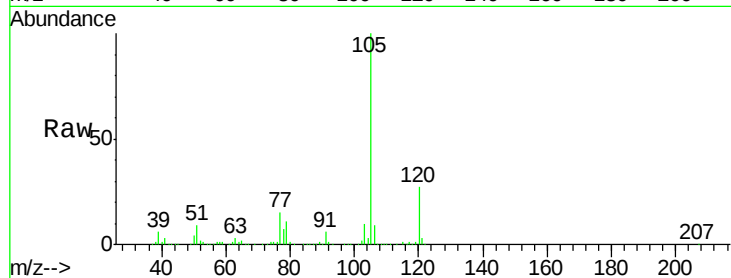
ClientSampled :

Tot Ion:105 Resp: 772610

Ion Ratio Lower Upper

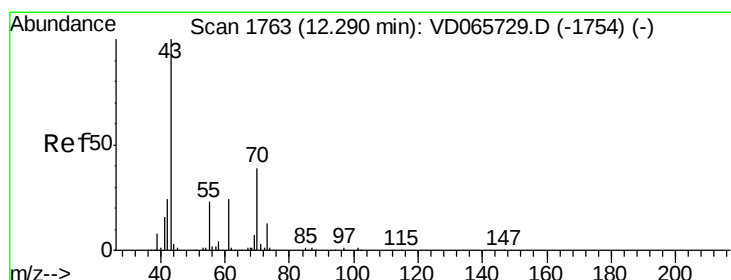
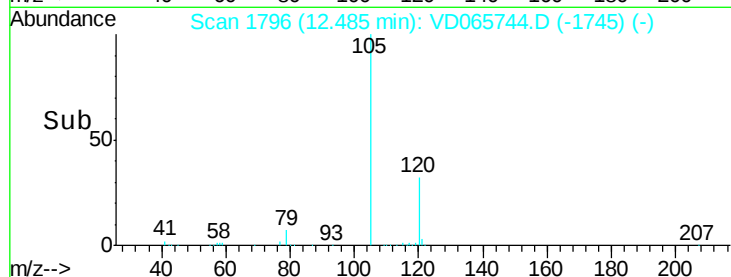
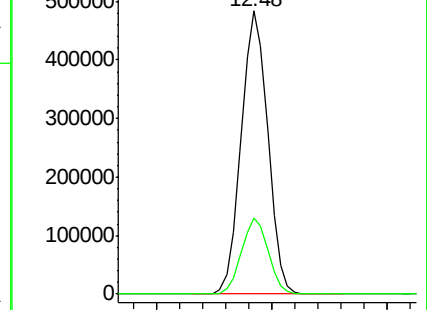
105 100

120 26.8 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.136 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Tgt Ion: 43 Resp: 177665

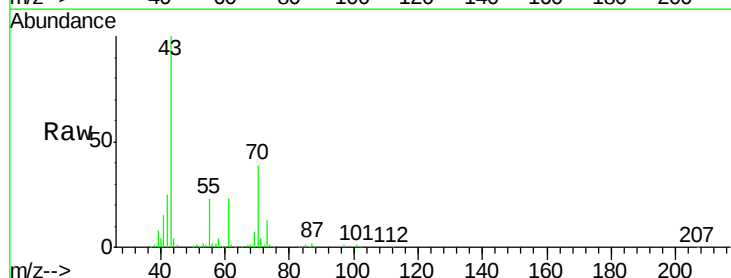
Ion Ratio Lower Upper

43 100

70 40.6 31.8 47.6

55 21.5 17.9 26.9

61 23.4 19.0 28.6

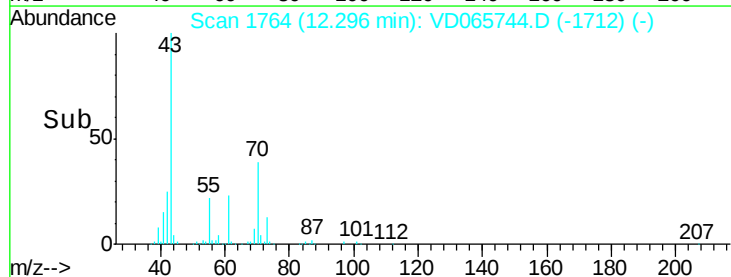
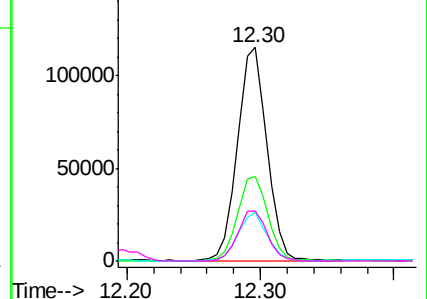


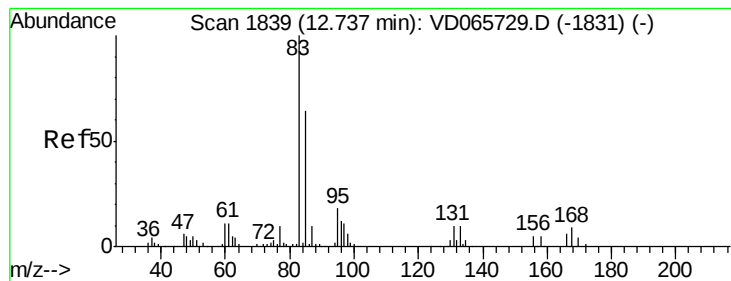
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.240 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

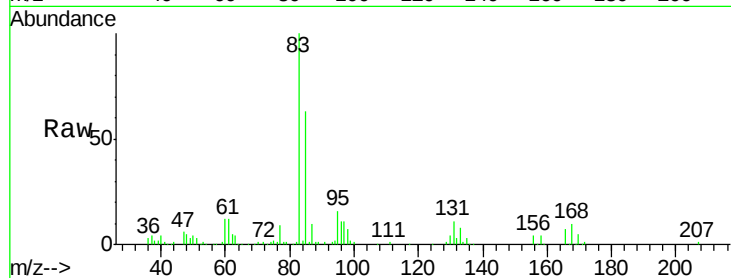
Tot Ion: 83 Resp: 118906

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.6

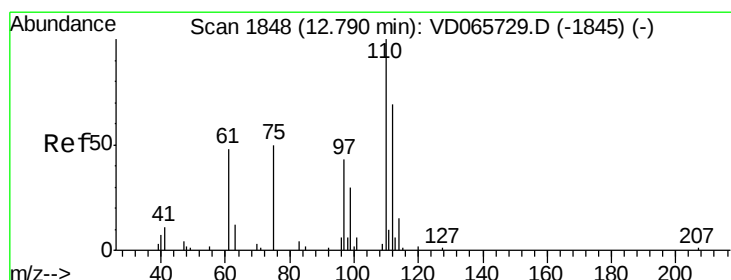
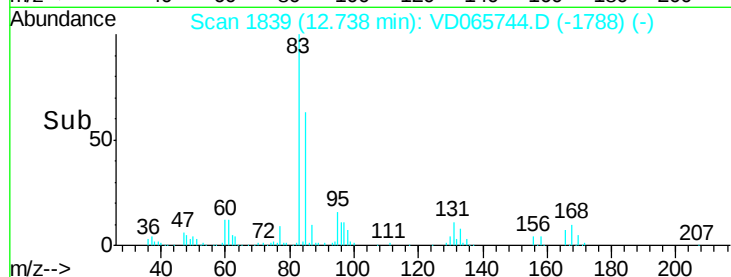
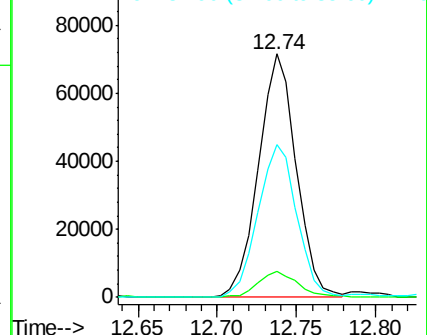
85 64.5 32.5 97.4



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: 91.650 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065744.D

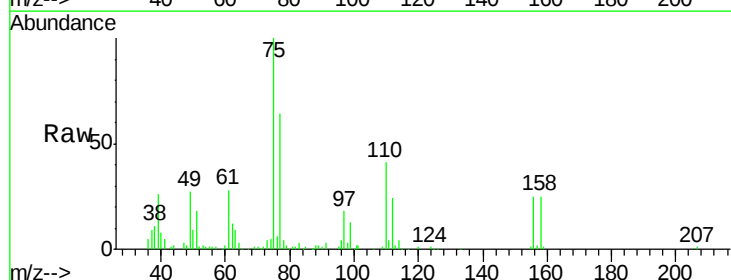
Acq: 14 May 2020 15:49

Tgt Ion: 75 Resp: 158668

Ion Ratio Lower Upper

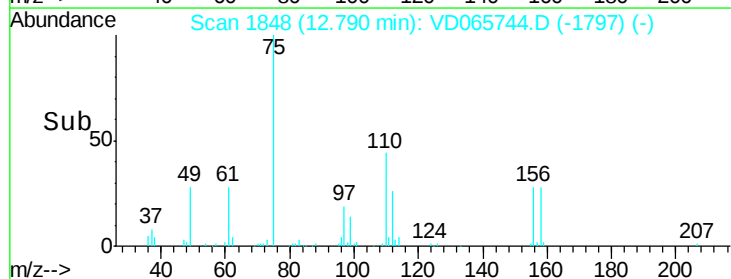
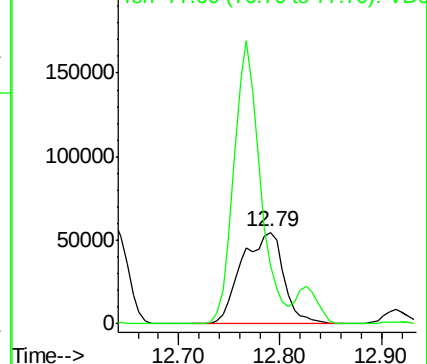
75 100

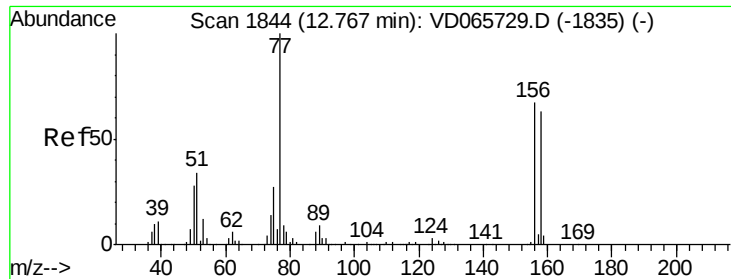
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.669 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampled :

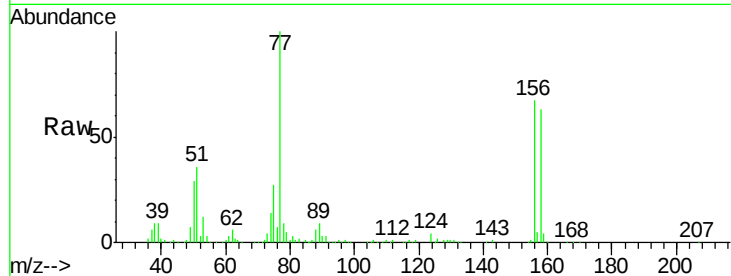
Tot Ion:156 Resp: 186446

Ion Ratio Lower Upper

156 100

77 165.0 84.9 254.6

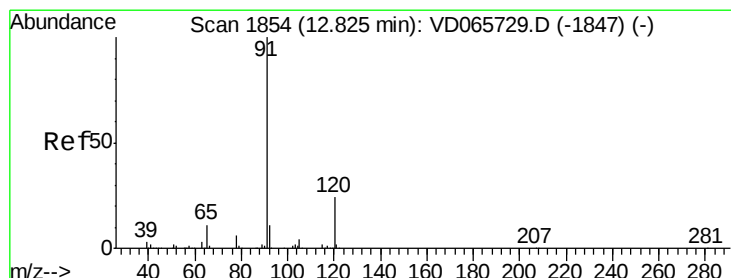
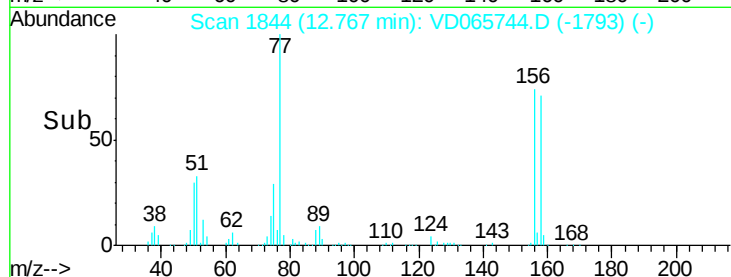
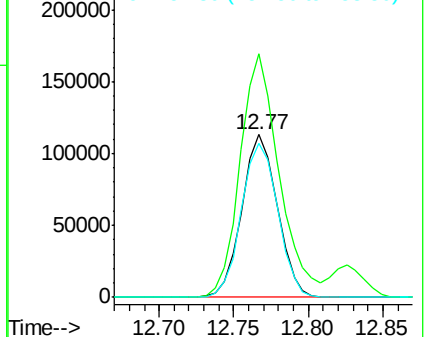
158 97.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.328 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065744.D

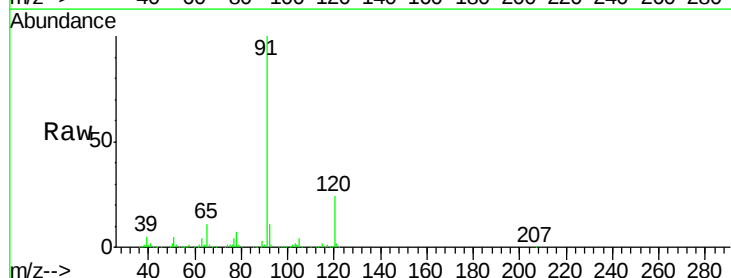
Acq: 14 May 2020 15:49

Tgt Ion: 91 Resp: 897355

Ion Ratio Lower Upper

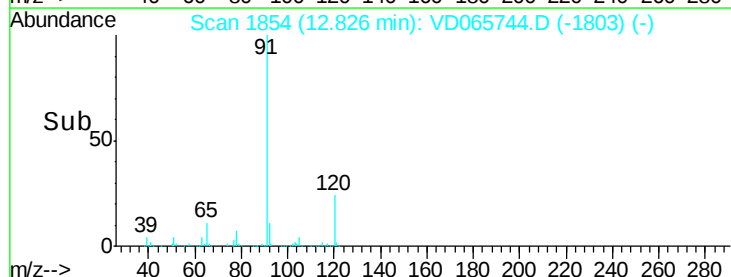
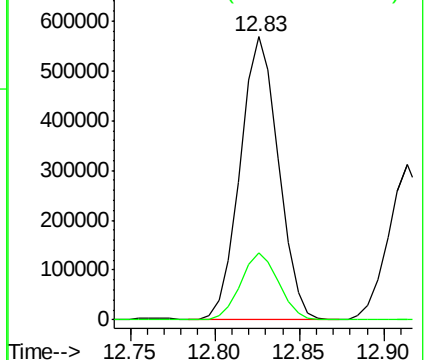
91 100

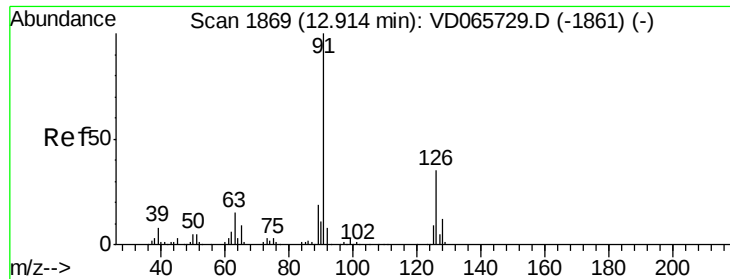
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

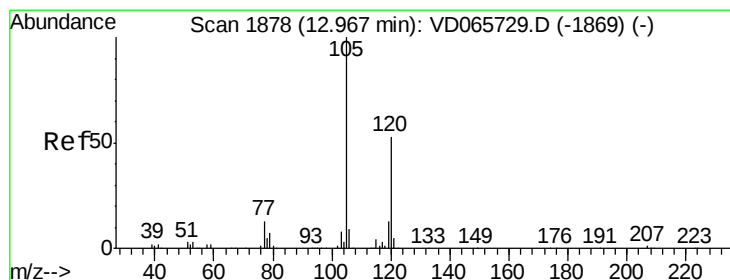
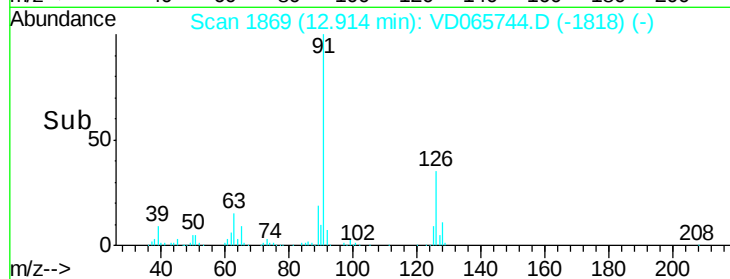
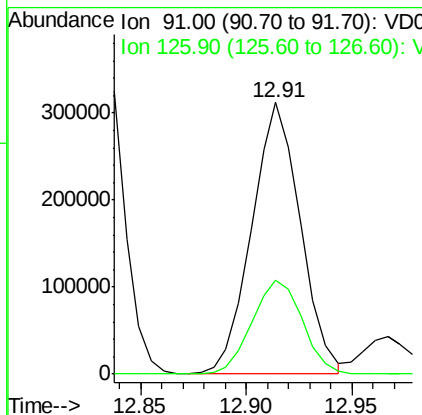
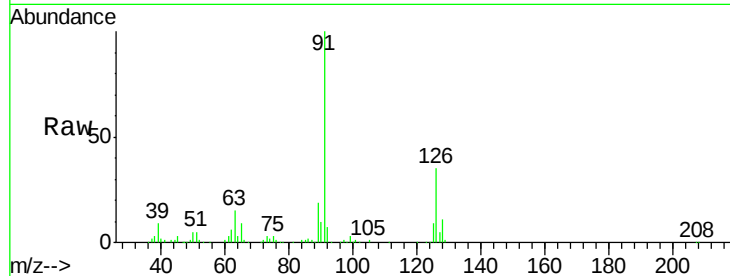




#79
 2-Chlorotoluene
 Concen: 49.528 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

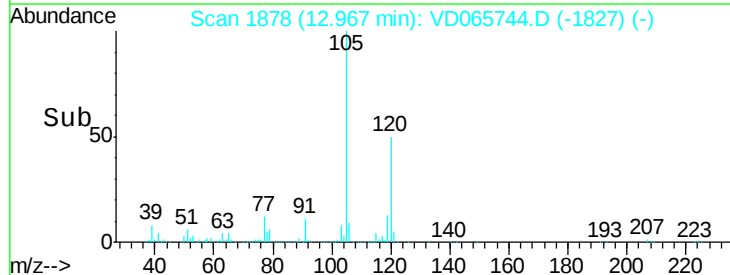
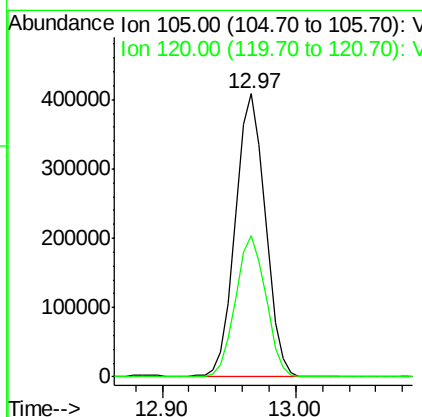
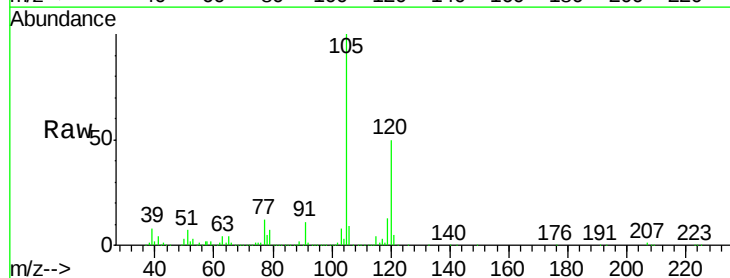
Instrument :
 MSVOA_D
 ClientSampleId :

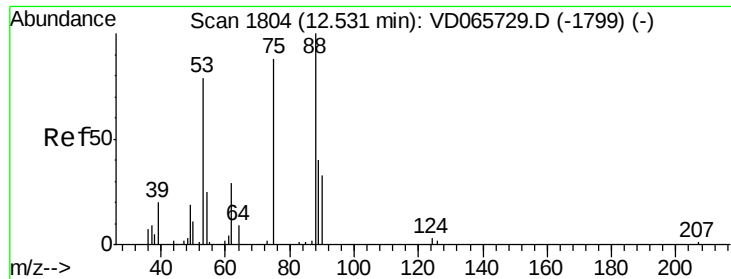
Tot Ion: 91 Resp: 498539
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.653 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065744.D
 Acq: 14 May 2020 15:49

Tgt Ion: 105 Resp: 637136
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.920 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampled :

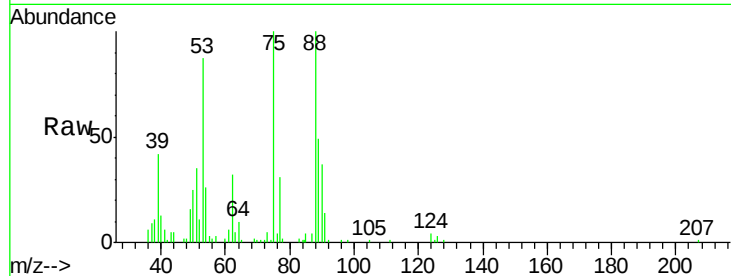
Tot Ion: 75 Resp: 40522

Ion Ratio Lower Upper

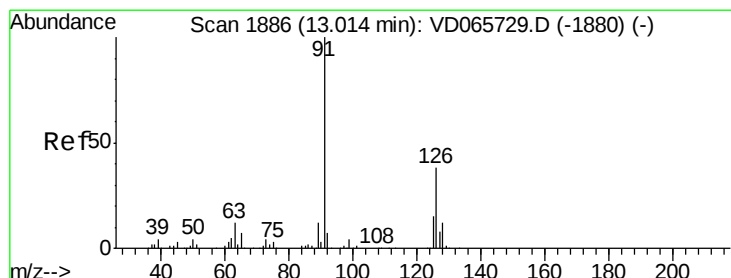
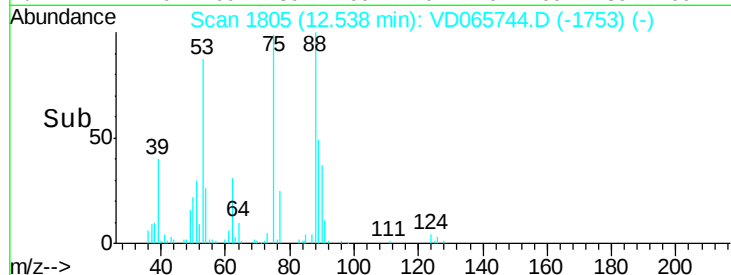
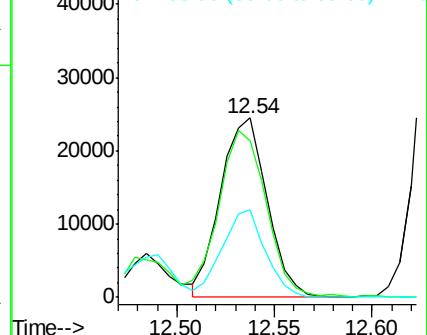
75 100

53 96.0 72.6 109.0

89 45.3 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.090 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065744.D

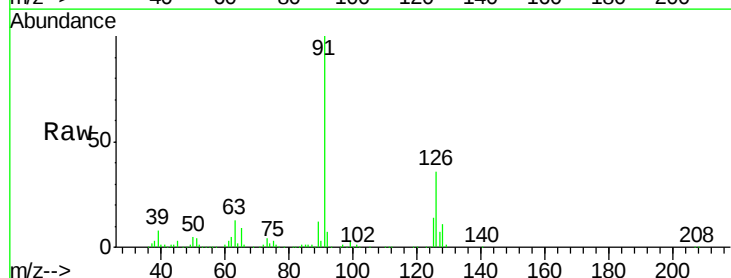
Acq: 14 May 2020 15:49

Tgt Ion: 91 Resp: 520947

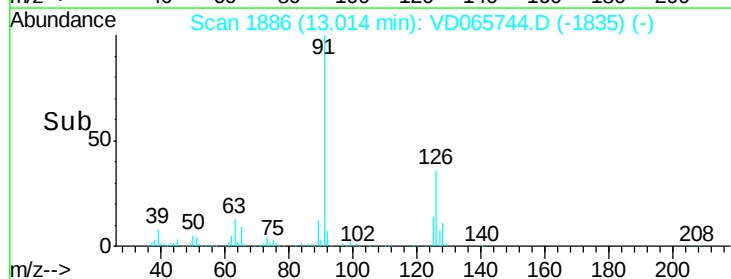
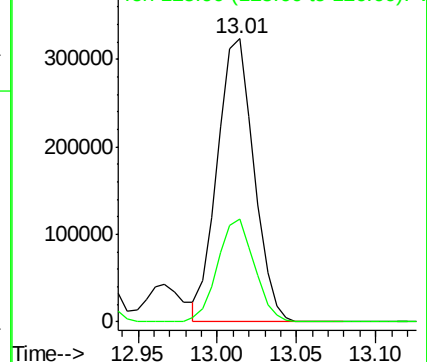
Ion Ratio Lower Upper

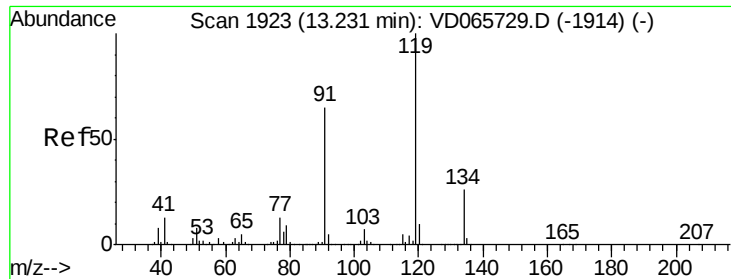
91 100

126 36.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

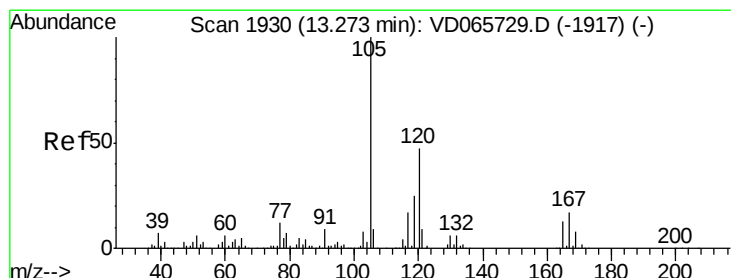
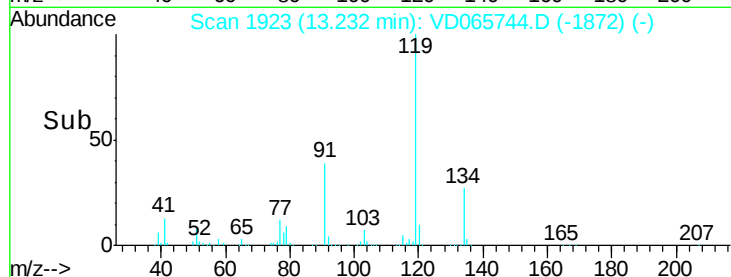
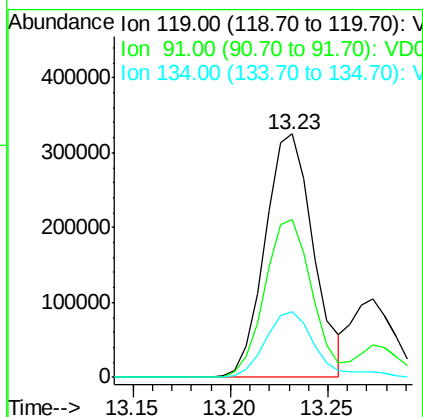
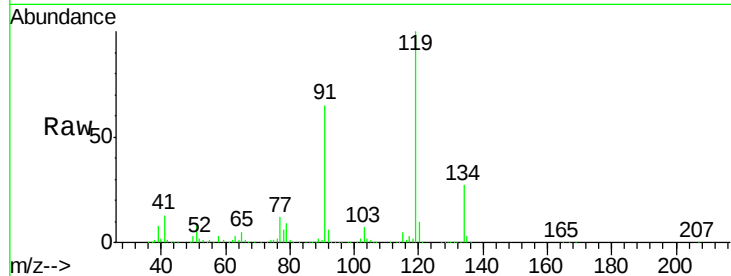




#83
tert-Butylbenzene
Concen: 49.027 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

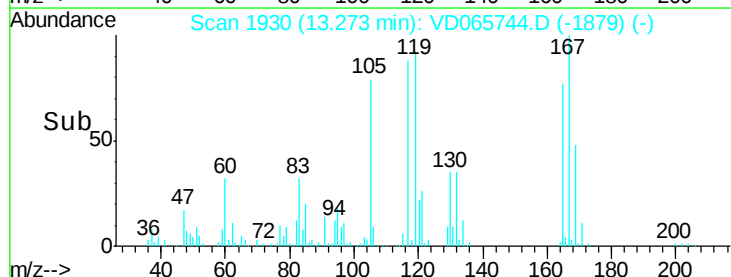
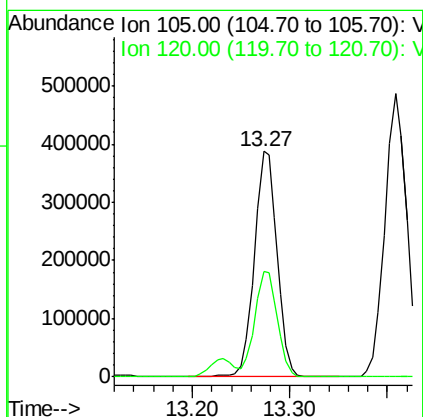
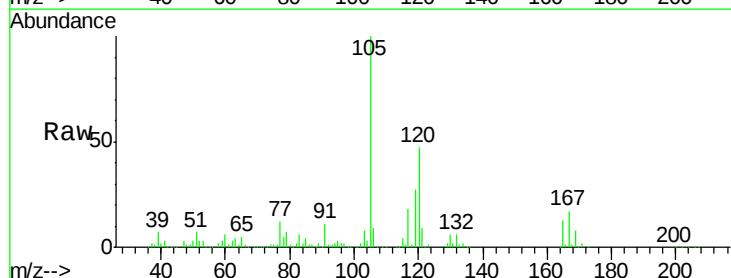
Instrument :
MSVOA_D
ClientSampleId :

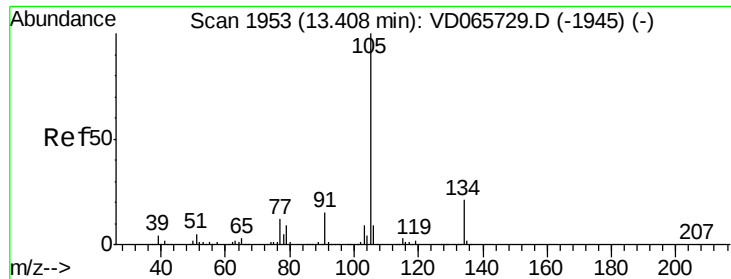
Tot Ion:119 Resp: 557851
Ion Ratio Lower Upper
119 100
91 63.1 31.6 95.0
134 28.4 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 50.175 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion:105 Resp: 634948
Ion Ratio Lower Upper
105 100
120 46.4 23.6 70.8





#85

sec-Butylbenzene

Concen: 48.911 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

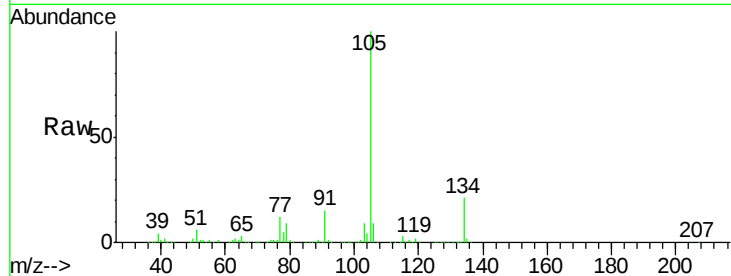
ClientSampleId :

Tot Ion:105 Resp: 757286

Ion Ratio Lower Upper

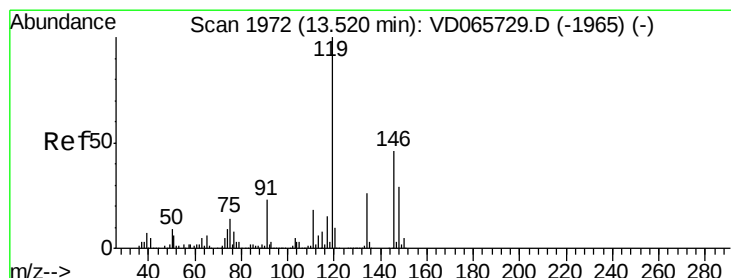
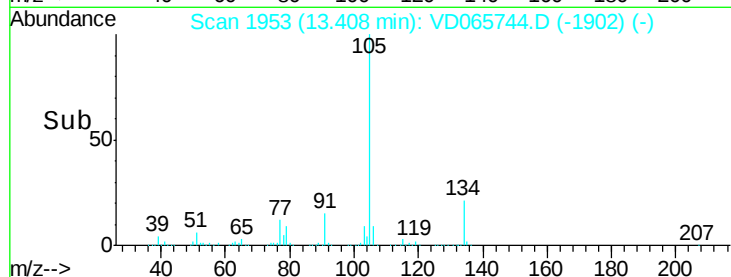
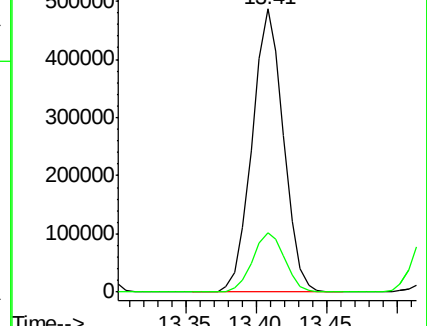
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.773 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

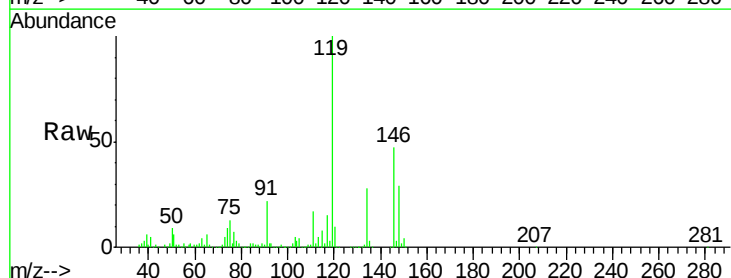
Tgt Ion:119 Resp: 708331

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

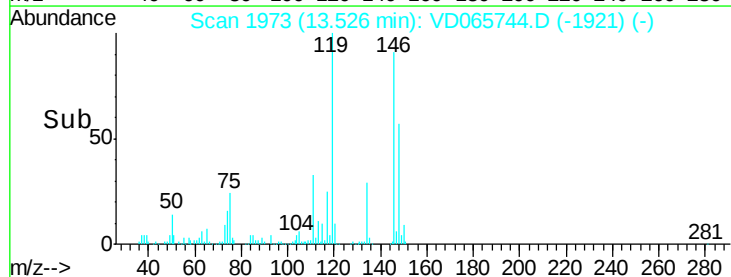
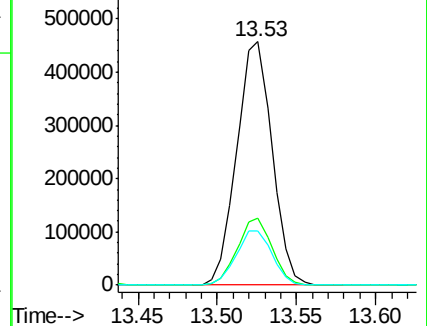
91 22.8 11.7 35.1

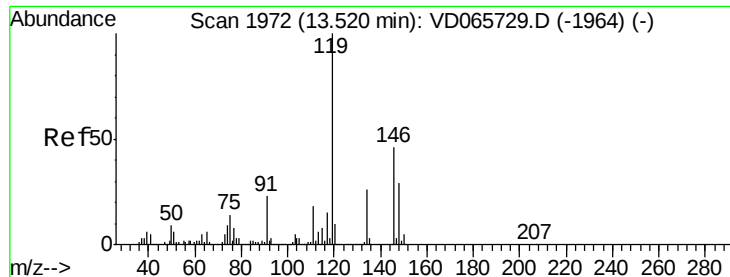


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.008 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

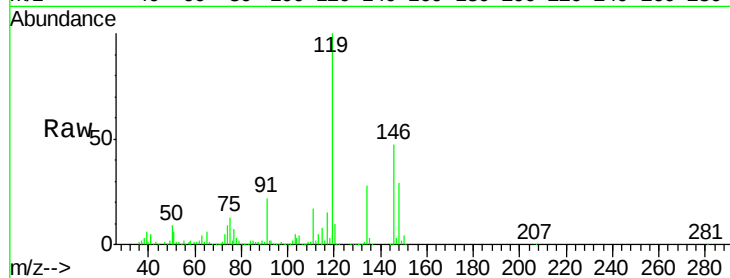
Tot Ion:146 Resp: 352079

Ion Ratio Lower Upper

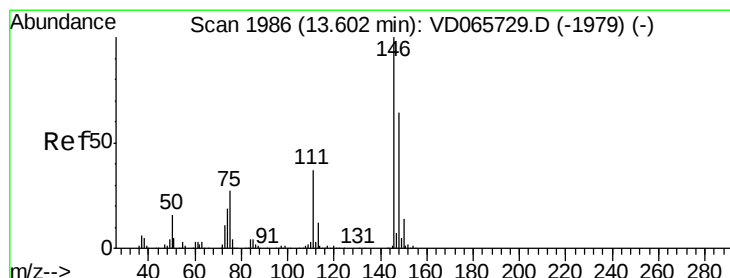
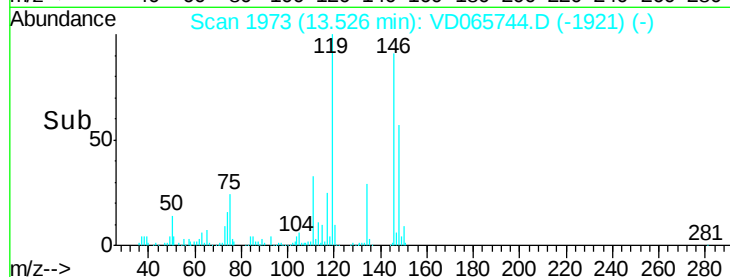
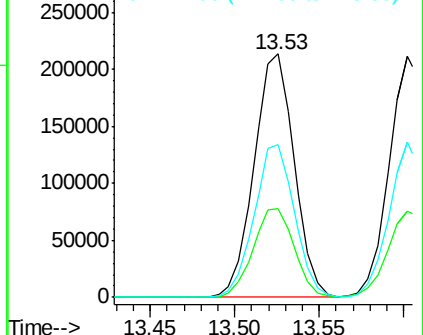
146 100

111 37.5 18.9 56.9

148 63.3 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 49.508 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

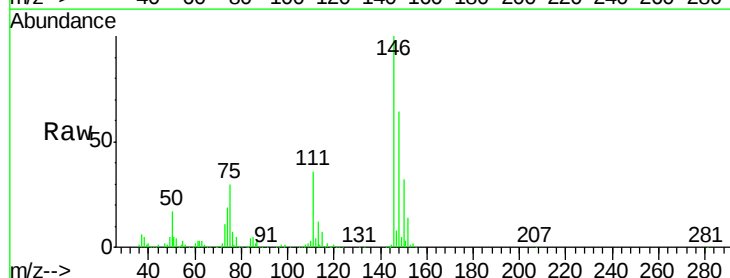
Tgt Ion:146 Resp: 347184

Ion Ratio Lower Upper

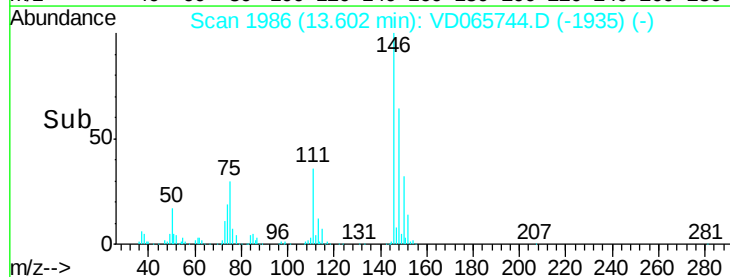
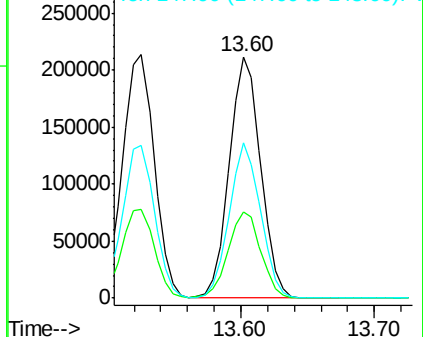
146 100

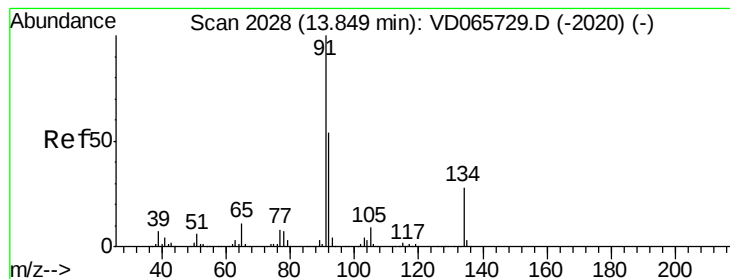
111 37.3 18.4 55.2

148 63.7 31.6 94.7



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

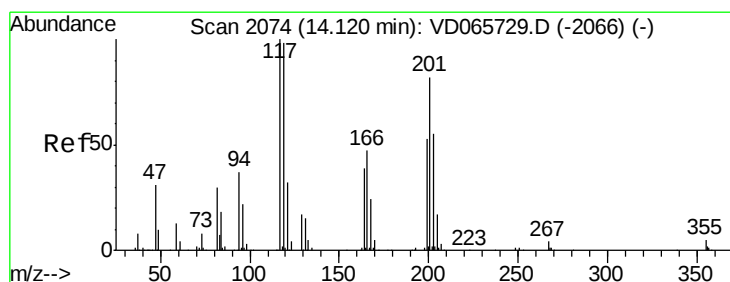
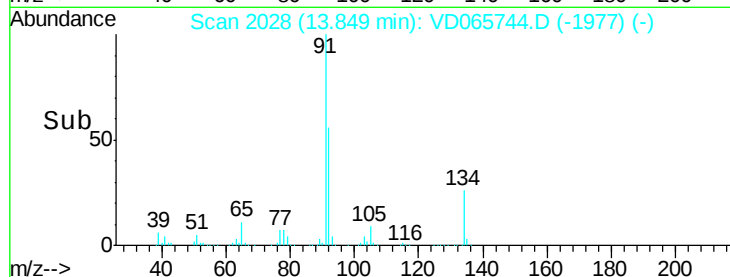
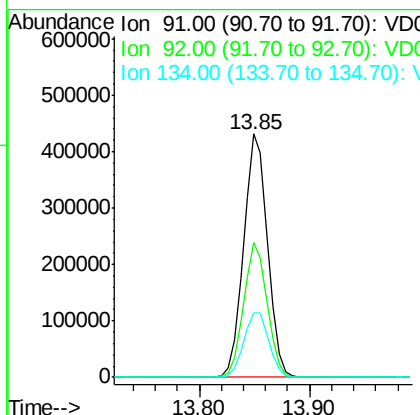
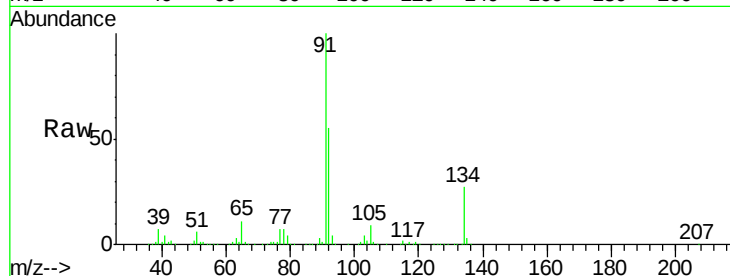




#89
n-Butylbenzene
Concen: 49.060 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

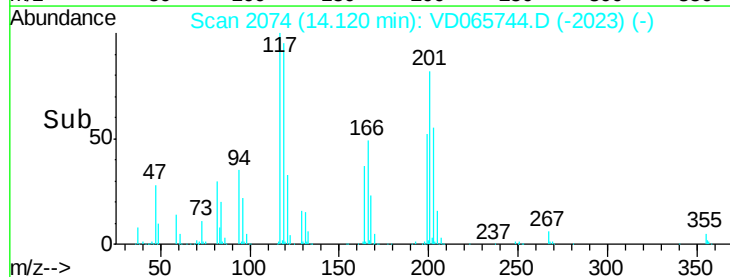
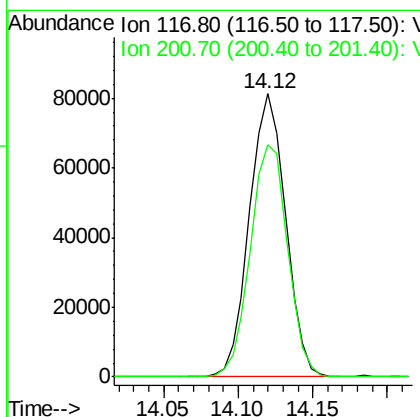
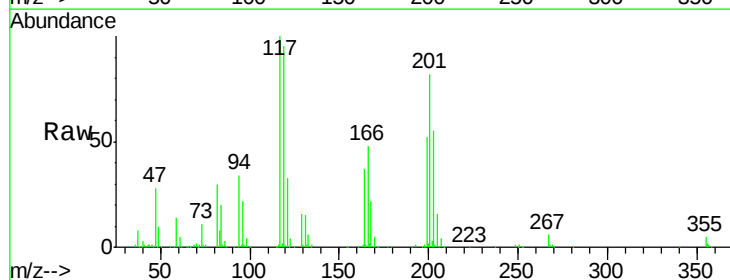
Instrument :
MSVOA_D
ClientSampled :

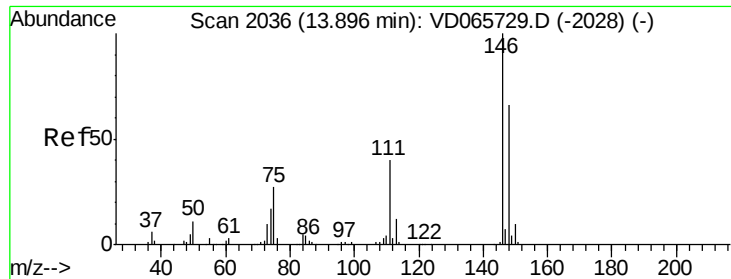
Tot Ion: 91 Resp: 652871
Ion Ratio Lower Upper
91 100
92 54.5 27.0 81.0
134 28.2 13.9 41.7



#90
Hexachloroethane
Concen: 49.070 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065744.D
Acq: 14 May 2020 15:49

Tgt Ion: 117 Resp: 136621
Ion Ratio Lower Upper
117 100
201 84.3 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 49.989 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

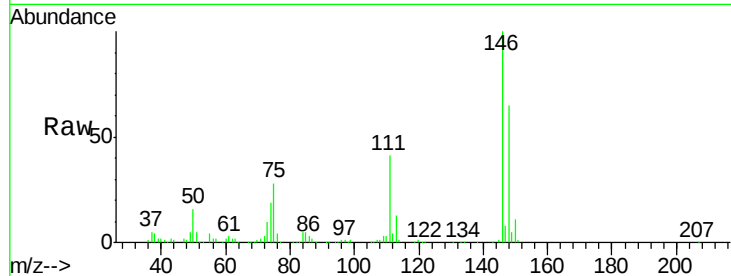
Tot Ion:146 Resp: 304421

Ion Ratio Lower Upper

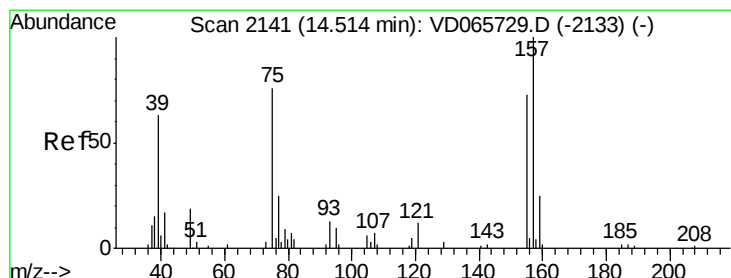
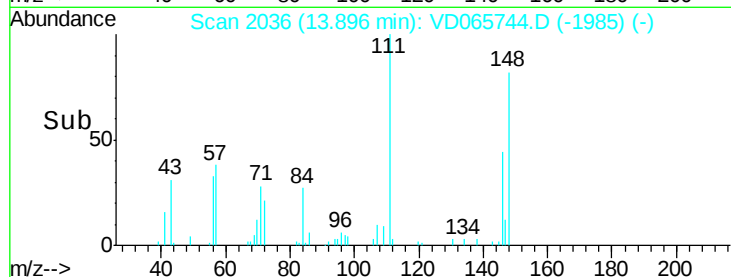
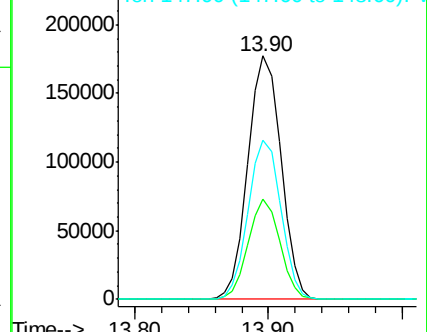
146 100

111 39.4 20.0 60.0

148 64.4 32.4 97.2



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: 44.599 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

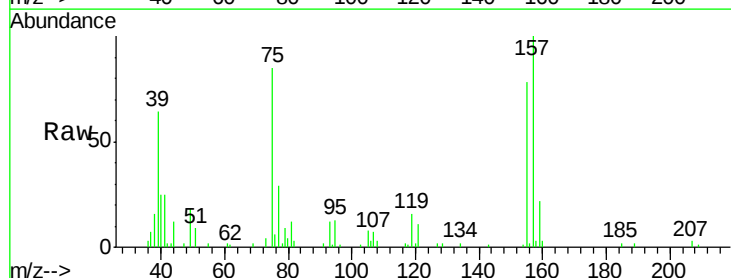
Tgt Ion: 75 Resp: 18383

Ion Ratio Lower Upper

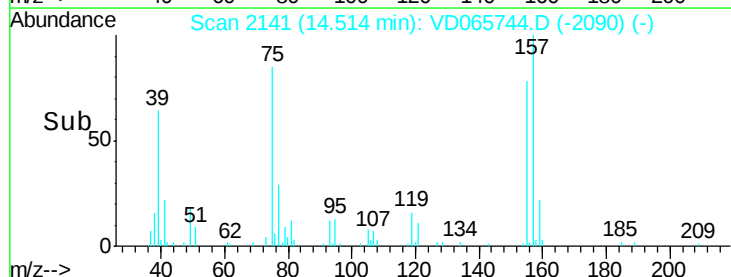
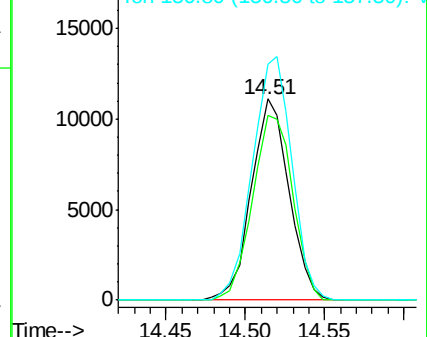
75 100

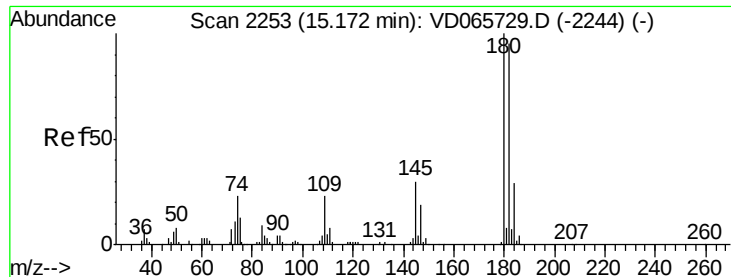
155 98.0 48.4 145.0

157 127.1 62.6 187.8



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: 48.770 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

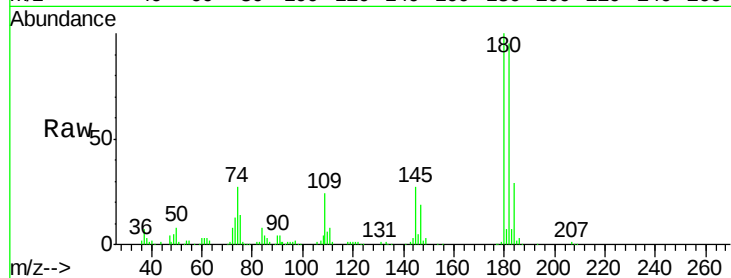
Tot Ion:180 Resp: 225933

Ion Ratio Lower Upper

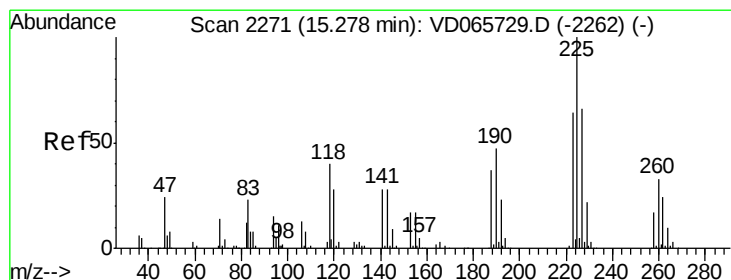
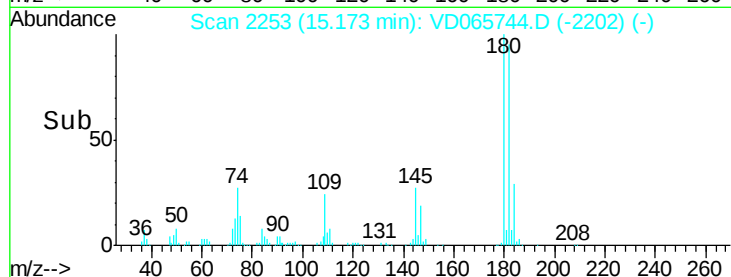
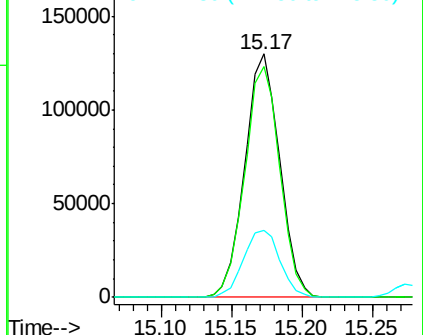
180 100

182 95.3 47.0 141.0

145 29.0 14.5 43.6



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: 48.246 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

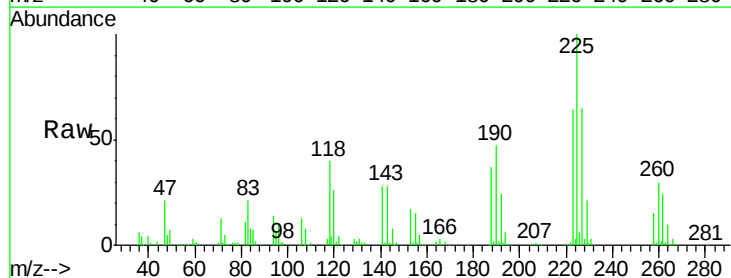
Tgt Ion:225 Resp: 134002

Ion Ratio Lower Upper

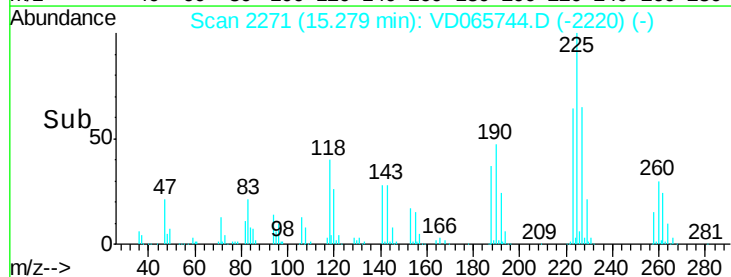
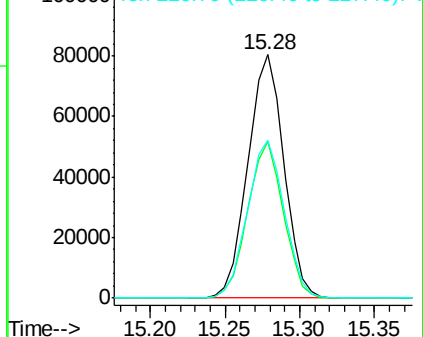
225 100

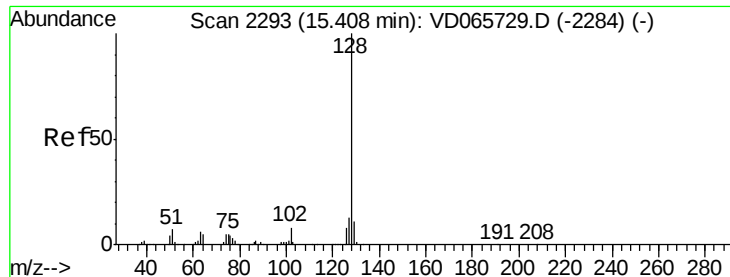
223 63.4 31.4 94.2

227 66.0 32.2 96.6



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: 47.600 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

Instrument :

MSVOA_D

ClientSampleId :

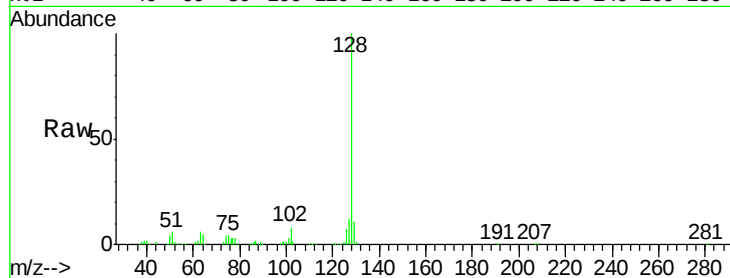
Tot Ion:128 Resp: 366771

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

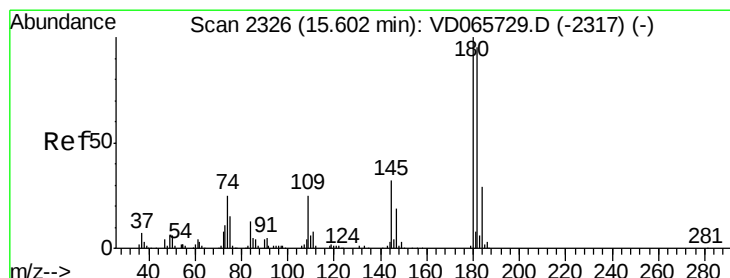
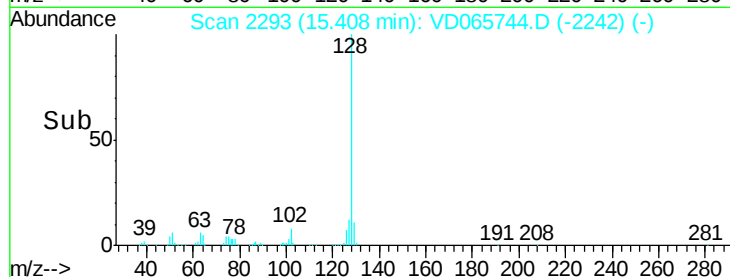
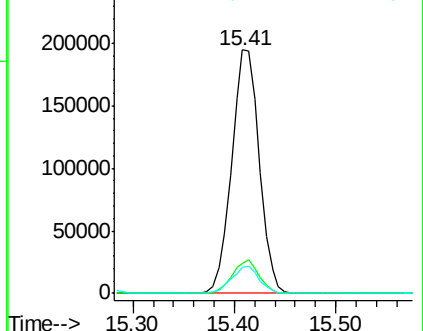
129 11.1 8.8 13.2



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: 48.633 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065744.D

Acq: 14 May 2020 15:49

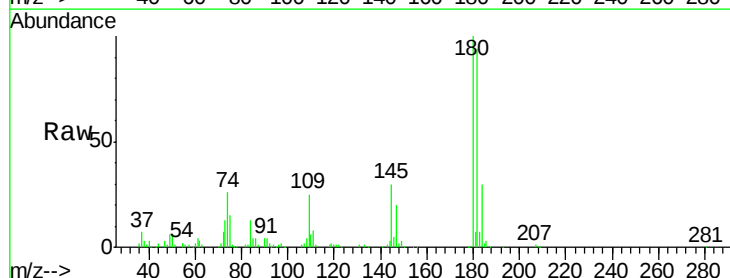
Tgt Ion:180 Resp: 192091

Ion Ratio Lower Upper

180 100

182 93.6 47.5 142.6

145 31.0 15.9 47.6



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

