

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
 Data File : VD065765.D
 Acq On : 26 May 2020 16:39
 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 27 03:00:56 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	7.99	168	256680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	372501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117935	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
35) Dibromofluoromethane	7.92	113	121770	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.34	98	449669	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.64	95	153613	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85114	50.541	ug/l	98
3) Chloromethane	2.21	50	136747	56.657	ug/l	96
4) Vinyl Chloride	2.35	62	161158	61.665	ug/l	98
5) Bromomethane	2.77	94	103905	60.174	ug/l	96
6) Chloroethane	2.92	64	109794	64.770	ug/l	94
7) Trichlorofluoromethane	3.27	101	197169	54.573	ug/l	94
8) Diethyl Ether	3.71	74	56003	53.946	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	116578	52.495	ug/l	96
10) Methyl Iodide	4.30	142	125770	54.213	ug/l	97
11) Tert butyl alcohol	5.23	59	37819	222.631	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	109260	51.872	ug/l	98
13) Acrolein	3.91	56	34403	305.336	ug/l	96
14) Allyl chloride	4.71	41	191960	52.708	ug/l	98
15) Acrylonitrile	5.42	53	127715	278.480	ug/l	99
16) Acetone	4.16	43	108611	255.990	ug/l	99
17) Carbon Disulfide	4.41	76	338545	50.889	ug/l	99
18) Methyl Acetate	4.72	43	53590	54.292	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	264318	53.788	ug/l	99
20) Methylene Chloride	4.96	84	128042	53.493	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	130018	53.612	ug/l	98
22) Diisopropyl ether	6.36	45	391202	56.421	ug/l	93
23) Vinyl Acetate	6.31	43	1132723	277.754	ug/l	100
24) 1,1-Dichloroethane	6.27	63	230643	56.814	ug/l	99
25) 2-Butanone	7.21	43	159603	263.156	ug/l	97
26) 2,2-Dichloropropane	7.21	77	202516	53.748	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	145061	54.583	ug/l	97
28) Bromochloromethane	7.55	49	99512	59.620	ug/l	95
29) Tetrahydrofuran	7.57	42	104284	271.197	ug/l	98
30) Chloroform	7.71	83	237530	57.895	ug/l	97
31) Cyclohexane	7.99	56	203104	49.424	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	214859	55.905	ug/l	99
36) 1,1-Dichloropropene	8.11	75	182536	52.047	ug/l	98
37) Ethyl Acetate	7.29	43	72520	48.266	ug/l	96
38) Carbon Tetrachloride	8.10	117	193560	52.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	218411	48.594	ug/l	96
40) Benzene	8.36	78	510428	52.927	ug/l	99
41) Methacrylonitrile	7.56	41	101863	123.101	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	149434	55.650	ug/l	99
43) Isopropyl Acetate	8.46	43	152602	51.243	ug/l	99
44) Trichloroethene	9.11	130	143908	49.843	ug/l	98
45) 1,2-Dichloropropane	9.39	63	127238	53.511	ug/l	98
46) Dibromomethane	9.48	93	69768	54.415	ug/l	94
47) Bromodichloromethane	9.67	83	181680	54.135	ug/l	99
48) Methyl methacrylate	9.46	41	68914	49.299	ug/l	96
49) 1,4-Dioxane	9.47	88	15618	1032.376	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	370718	260.129	ug/l	98
52) Toluene	10.41	92	332528	52.631	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	172986	52.761	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	205327	52.650	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93474	53.516	ug/l	98
56) Ethyl methacrylate	10.67	69	116047	50.976	ug/l	97
57) 1,3-Dichloropropane	10.95	76	160675	52.888	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	289508	273.348	ug/l	99
59) 2-Hexanone	10.98	43	251499	259.150	ug/l	96
60) Dibromochloromethane	11.14	129	126627	54.137	ug/l	99
61) 1,2-Dibromoethane	11.25	107	90908	52.112	ug/l	99
64) Tetrachloroethene	10.88	164	122835	47.689	ug/l	97
65) Chlorobenzene	11.67	112	357216	50.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	134740	51.270	ug/l	100
67) Ethyl Benzene	11.75	91	641501	51.254	ug/l	97
68) m/p-Xylenes	11.86	106	494146	103.371	ug/l	99
69) o-Xylene	12.18	106	227418	51.104	ug/l	96
70) Styrene	12.20	104	394413	51.934	ug/l	100
71) Bromoform	12.37	173	72600	50.053	ug/l #	99
73) Isopropylbenzene	12.48	105	621378	49.329	ug/l	99
74) N-amyl acetate	12.30	43	137601	47.048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	101555	50.937	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	135358	96.662	ug/l #	100
77) Bromobenzene	12.77	156	152127	50.104	ug/l	99
78) n-propylbenzene	12.83	91	737747	50.137	ug/l	98
79) 2-Chlorotoluene	12.91	91	410047	50.364	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	514218	49.543	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33678	47.183	ug/l	95
82) 4-Chlorotoluene	13.01	91	430759	50.184	ug/l	100
83) tert-Butylbenzene	13.23	119	453745	49.301	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	519103	50.714	ug/l	99
85) sec-Butylbenzene	13.41	105	622640	49.718	ug/l	100
86) p-Isopropyltoluene	13.52	119	572645	49.747	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	284439	49.948	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	280191	49.396	ug/l	99
89) n-Butylbenzene	13.85	91	543827	50.523	ug/l	98
90) Hexachloroethane	14.12	117	109475	48.612	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	248416	50.432	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16205	48.605	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
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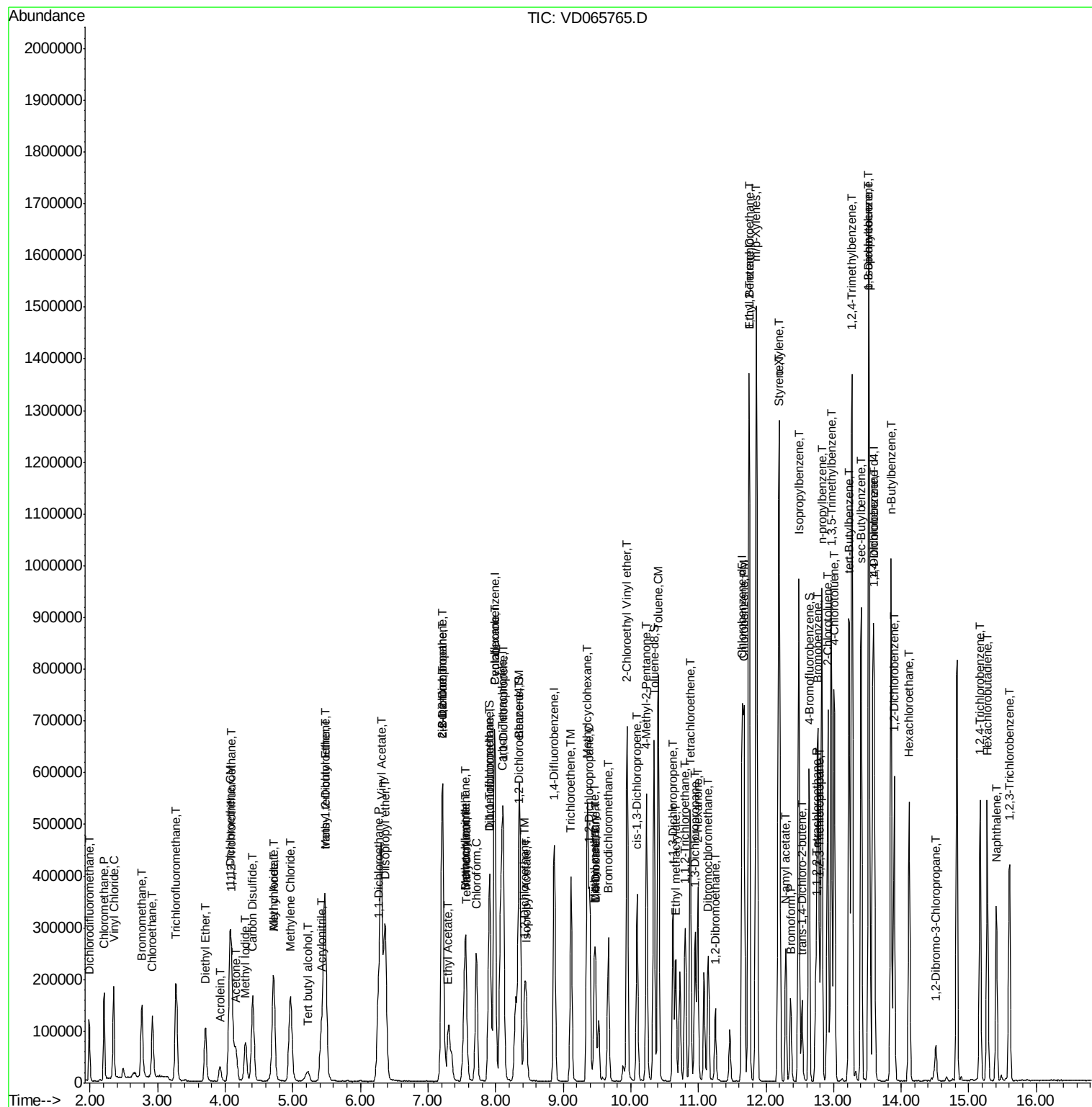
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175251	46.769	ug/l	99
94) Hexachlorobutadiene	15.27	225	103438	46.043	ug/l	99
95) Naphthalene	15.41	128	295360	47.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	150924	47.240	ug/l	100

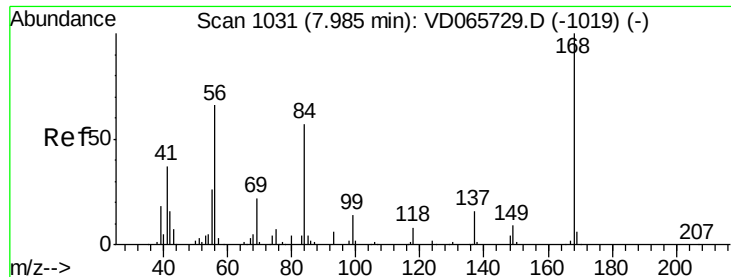
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_D
 ClientSampled :

Quant Time: May 27 03:00:56 2020
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

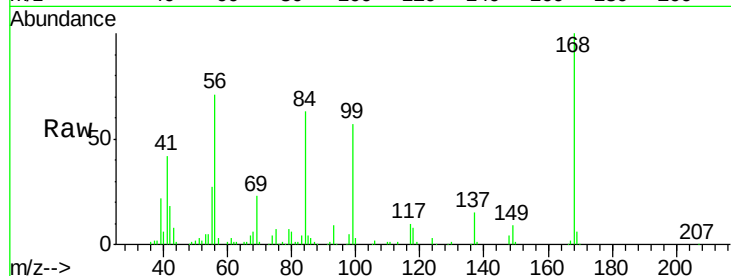
ClientSampleId :

Tot Ion:168 Resp: 256680

Ion Ratio Lower Upper

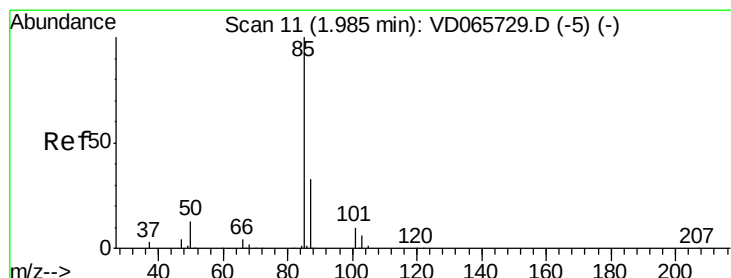
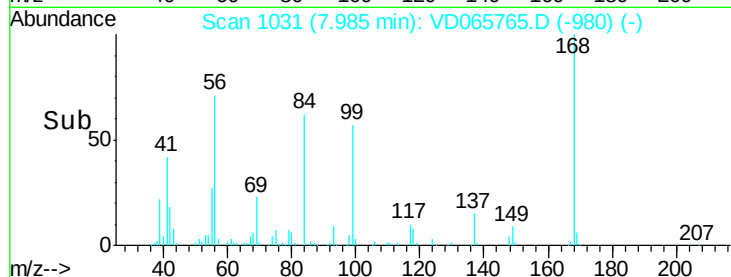
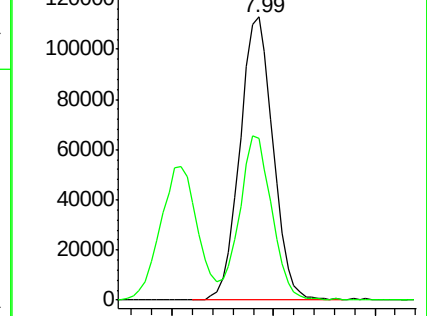
168 100

99 56.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.541 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065765.D

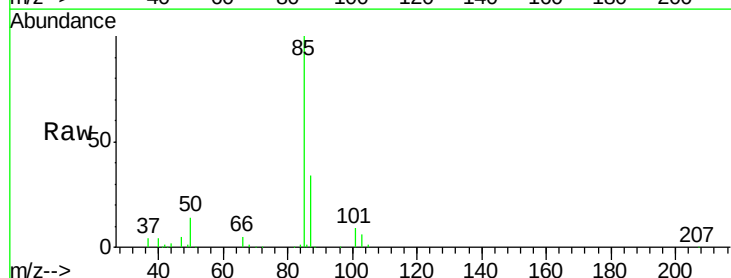
Acq: 26 May 2020 16:39

Tgt Ion: 85 Resp: 85114

Ion Ratio Lower Upper

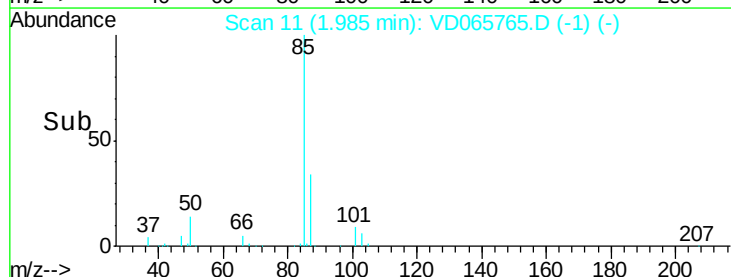
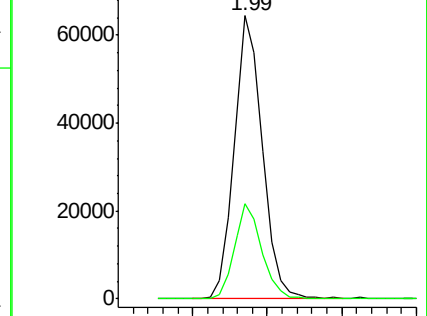
85 100

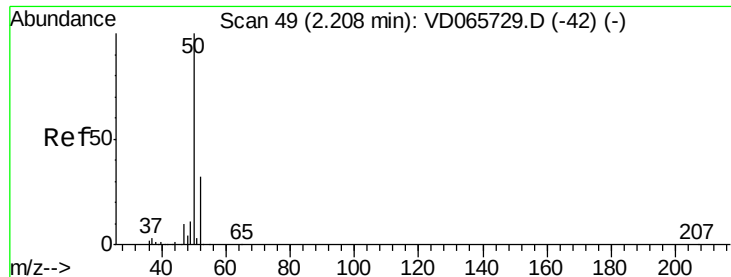
87 33.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

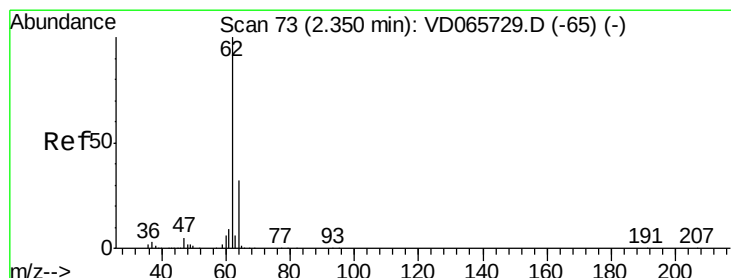
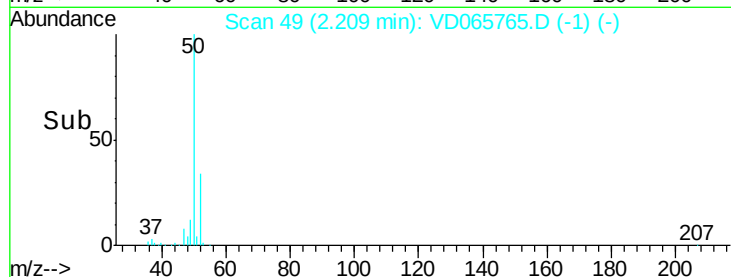
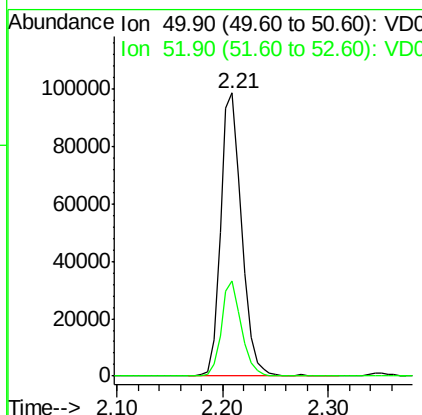
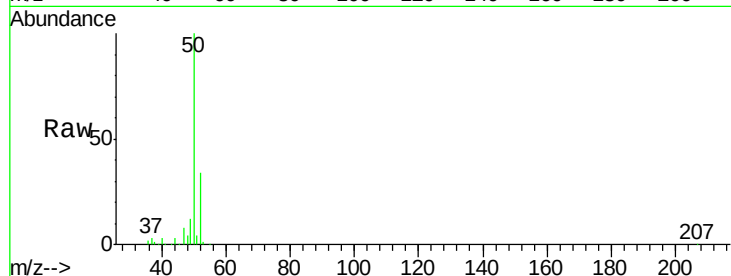




#3
Chloromethane
Concen: 56.657 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

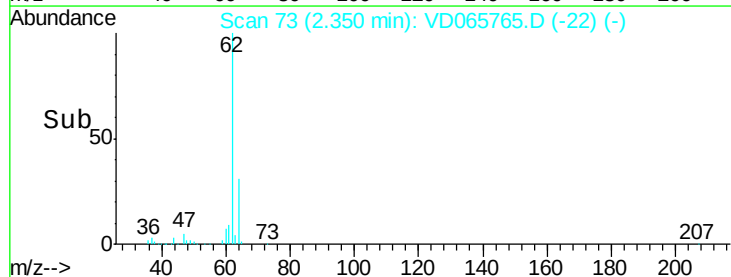
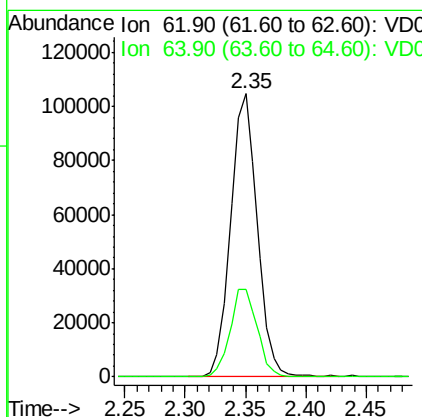
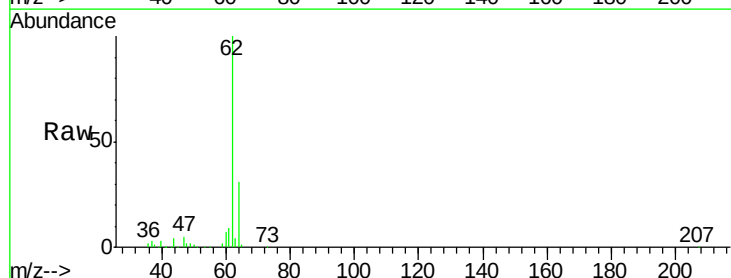
Instrument :
MSVOA_D
ClientSampled :

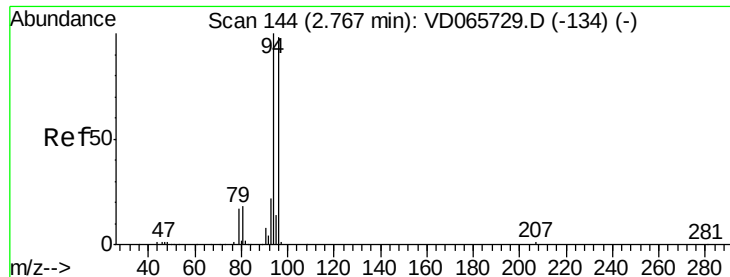
Tot Ion: 50 Resp: 136747
Ion Ratio Lower Upper
50 100
52 33.9 25.5 38.3



#4
Vinyl Chloride
Concen: 61.665 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 62 Resp: 161158
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.6





#5

Bromomethane

Concen: 60.174 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

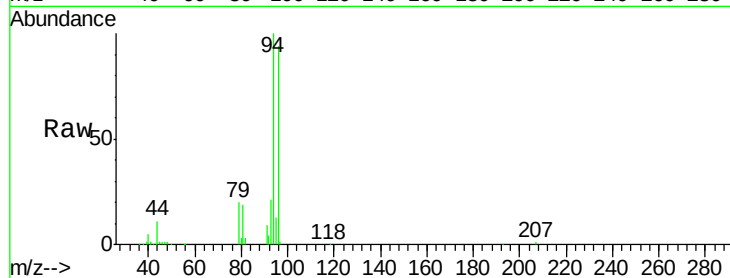
ClientSampled :

Tot Ion: 94 Resp: 103905

Ion Ratio Lower Upper

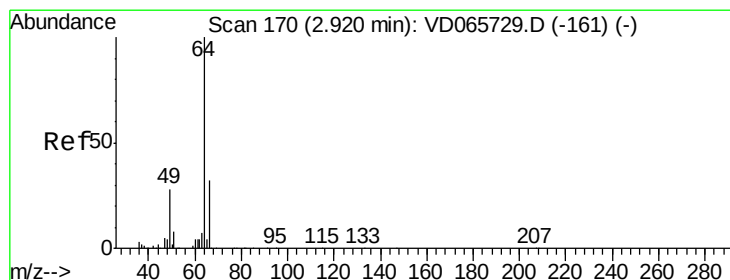
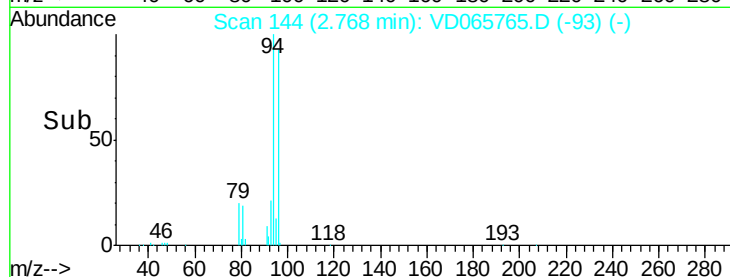
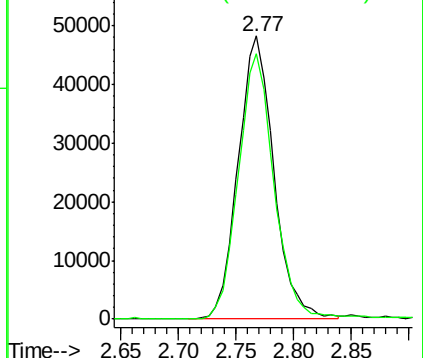
94 100

96 93.4 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: 64.770 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065765.D

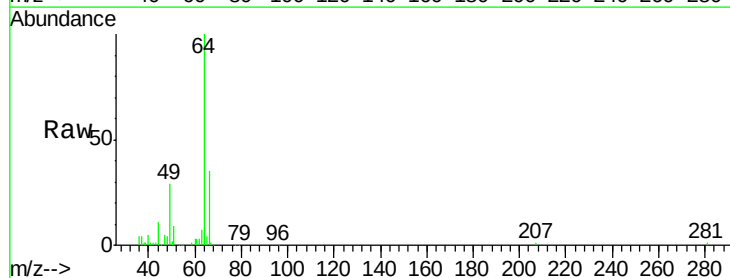
Acq: 26 May 2020 16:39

Tgt Ion: 64 Resp: 109794

Ion Ratio Lower Upper

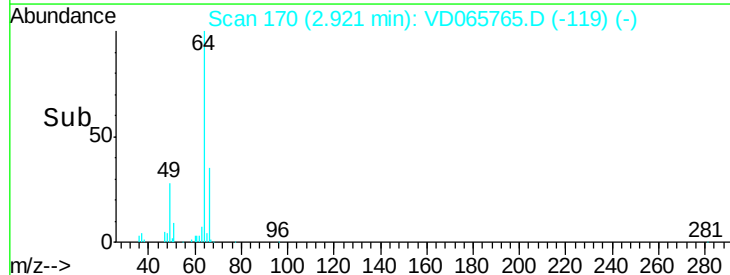
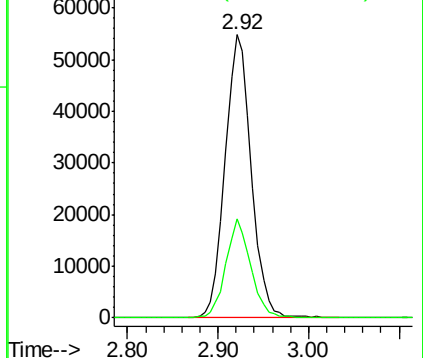
64 100

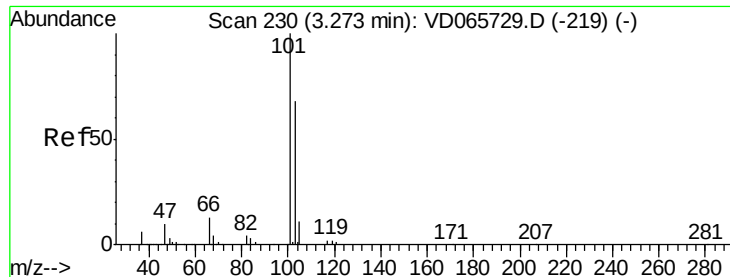
66 34.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



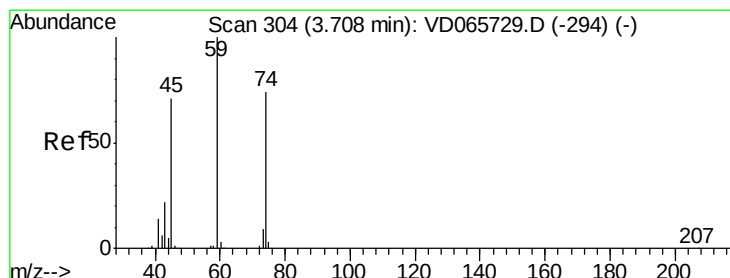
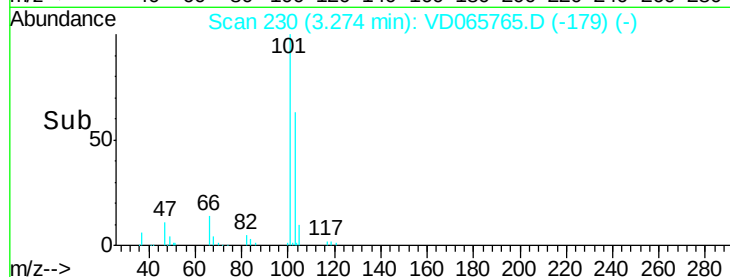
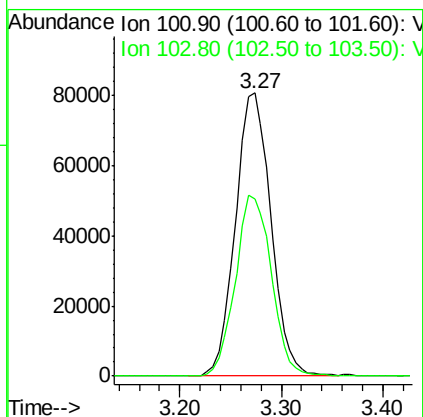
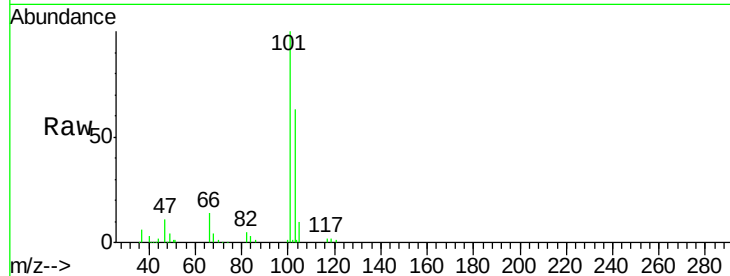


#7

Trichlorofluoromethane
 Concen: 54.573 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

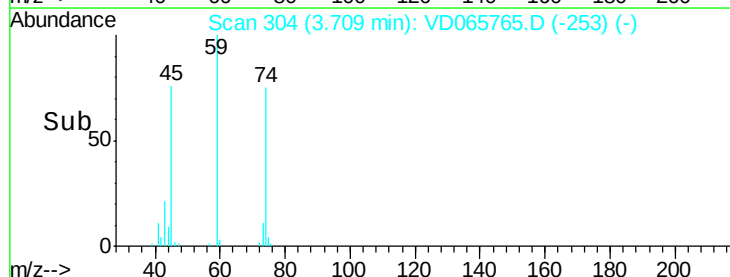
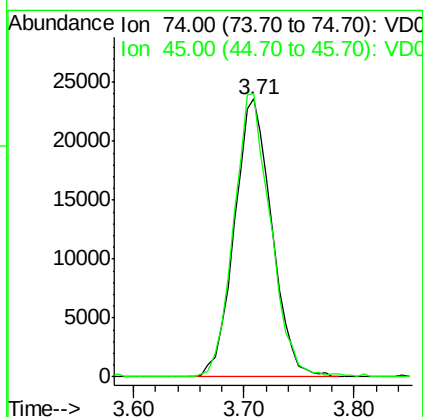
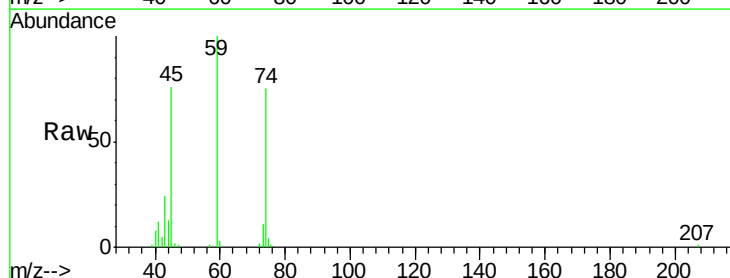
Tot Ion:101 Resp: 197169
 Ion Ratio Lower Upper
 101 100
 103 62.6 54.1 81.1

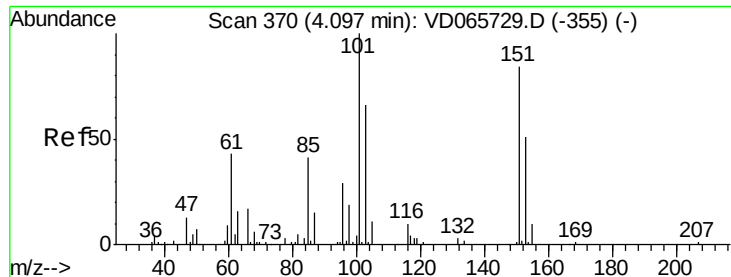


#8

Diethyl Ether
 Concen: 53.946 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 74 Resp: 56003
 Ion Ratio Lower Upper
 74 100
 45 100.7 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.495 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampled :

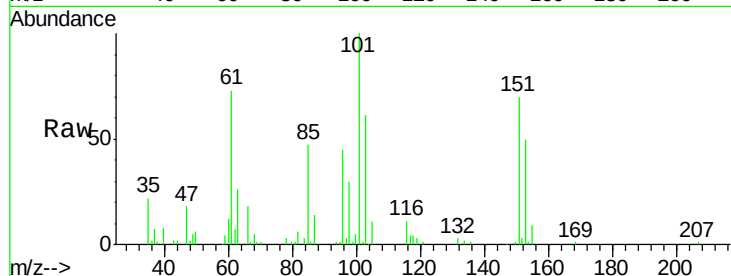
Tot Ion:101 Resp: 116578

Ion Ratio Lower Upper

101 100

85 46.6 34.1 51.1

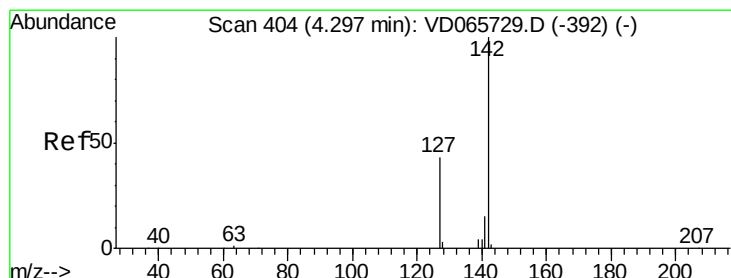
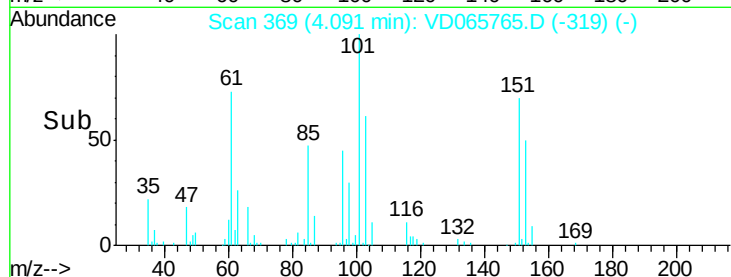
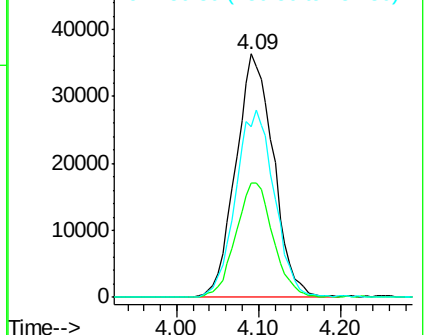
151 78.7 65.1 97.7



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: 54.213 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

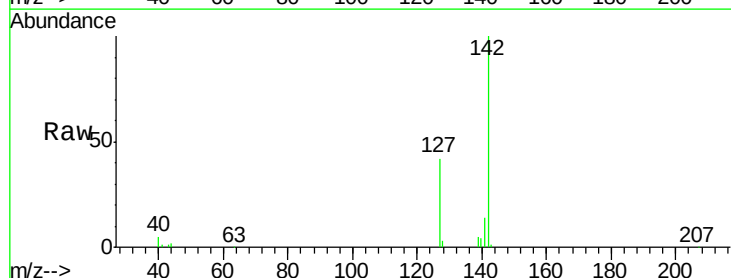
Tgt Ion:142 Resp: 125770

Ion Ratio Lower Upper

142 100

127 45.2 34.2 51.4

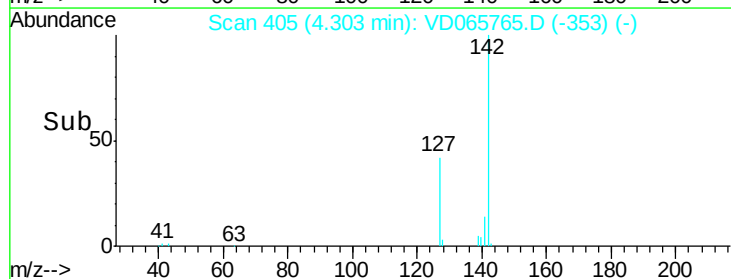
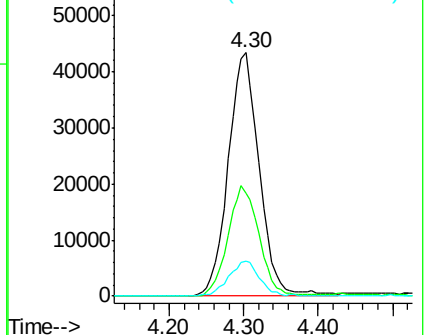
141 14.2 11.7 17.5

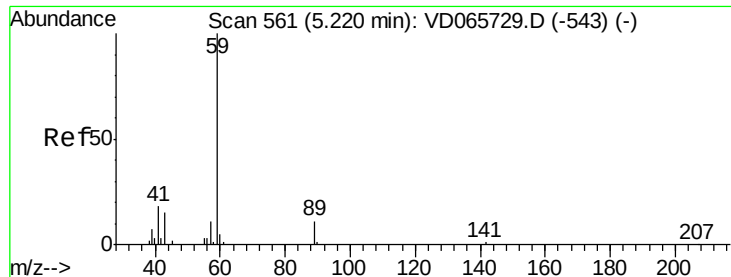


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



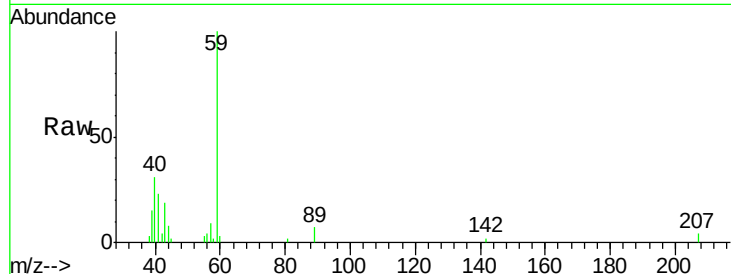


#11

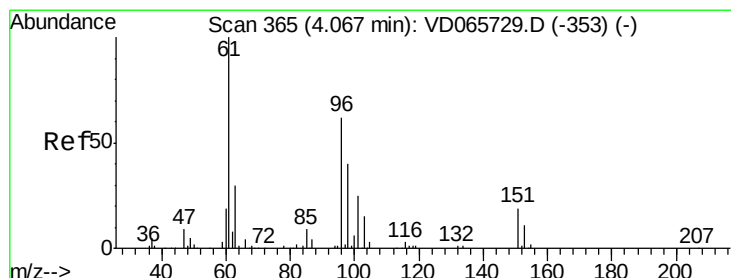
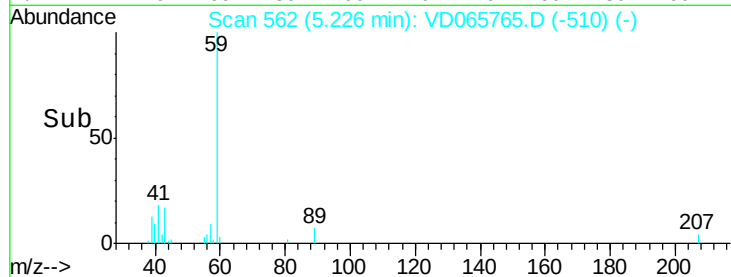
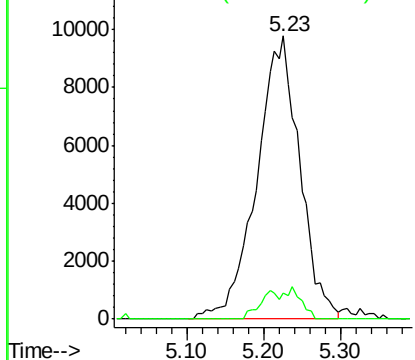
Tert butyl alcohol
 Concen: 222.631 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 37819
 Ion Ratio Lower Upper
 59 100
 57 4.5 7.4 11.0#



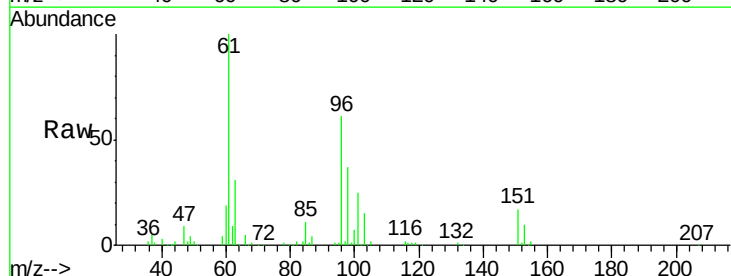
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



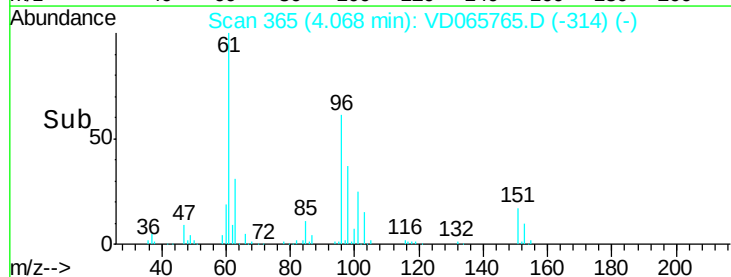
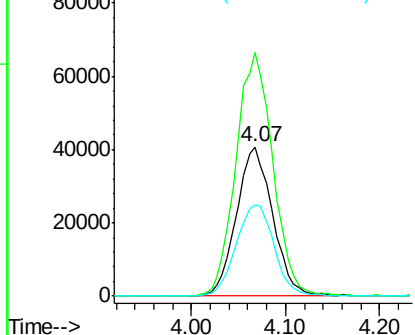
#12

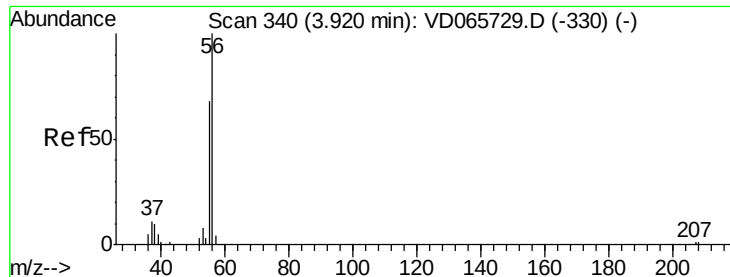
1,1-Dichloroethene
 Concen: 51.872 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 96 Resp: 109260
 Ion Ratio Lower Upper
 96 100
 61 163.1 130.0 195.0
 98 61.0 52.3 78.5



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





#13

Acrolein

Concen: 305.336 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

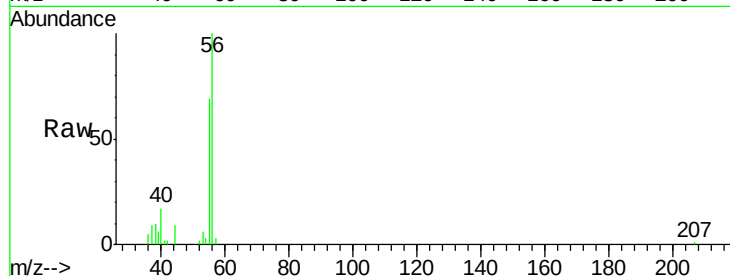
ClientSampled :

Tot Ion: 56 Resp: 34403

Ion Ratio Lower Upper

56 100

55 68.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

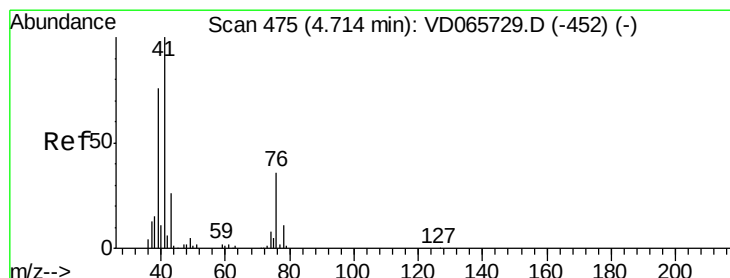
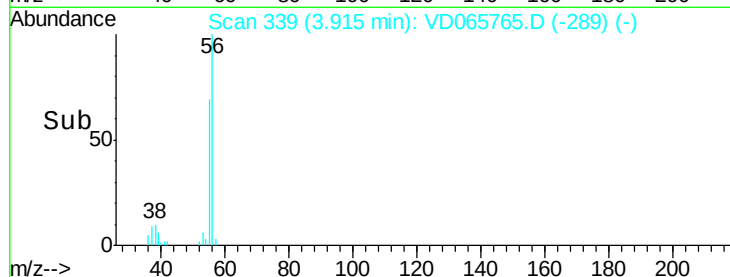
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 52.708 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

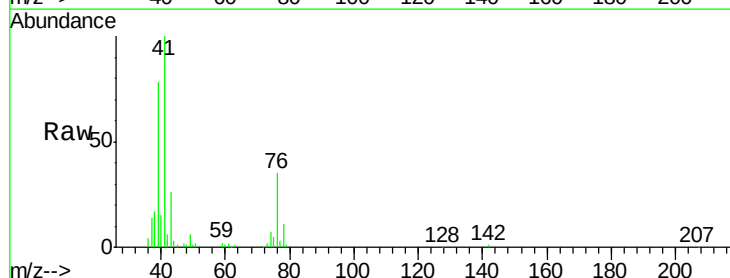
Tgt Ion: 41 Resp: 191960

Ion Ratio Lower Upper

41 100

39 74.8 57.4 86.2

76 35.6 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

4.71

80000

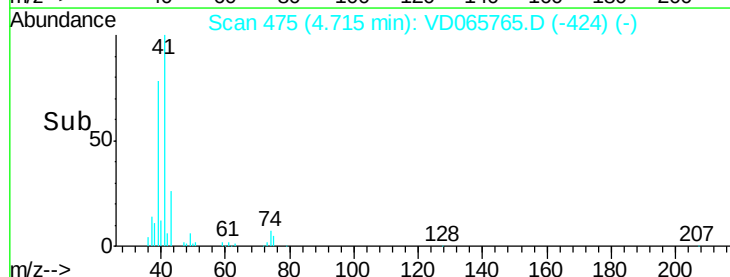
60000

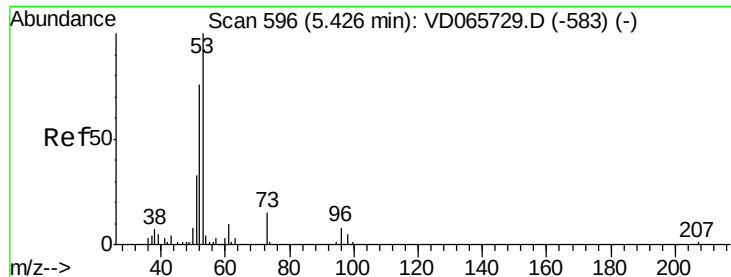
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 278.480 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

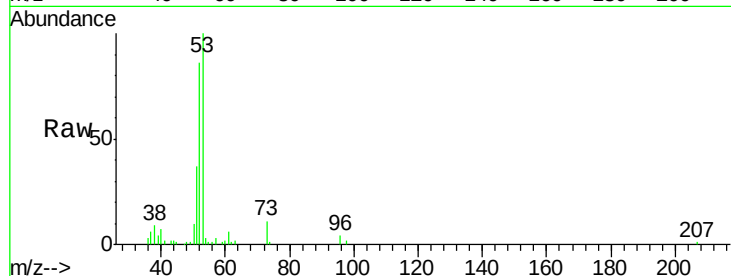
Tot Ion: 53 Resp: 127715

Ion Ratio Lower Upper

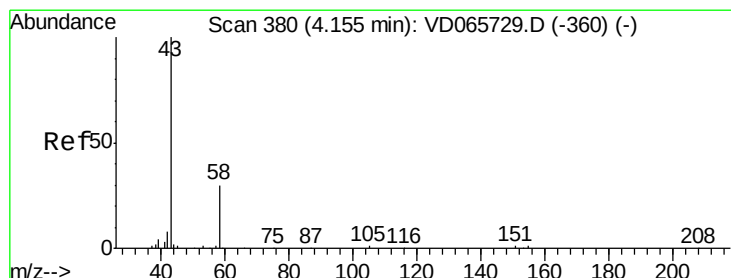
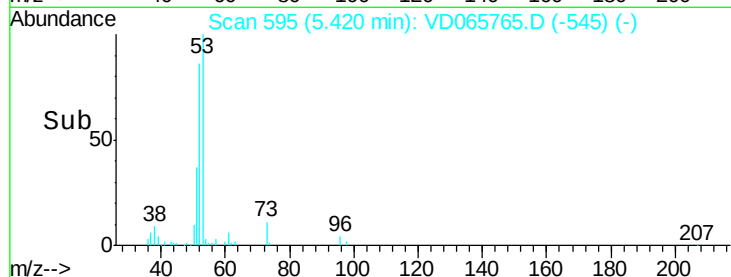
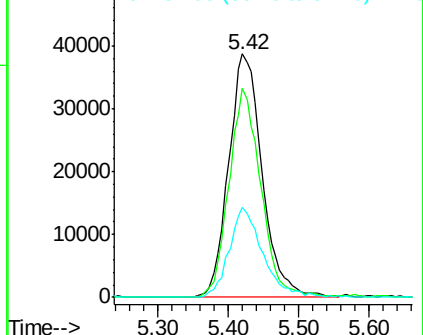
53 100

52 81.7 66.3 99.5

51 37.1 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 255.990 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065765.D

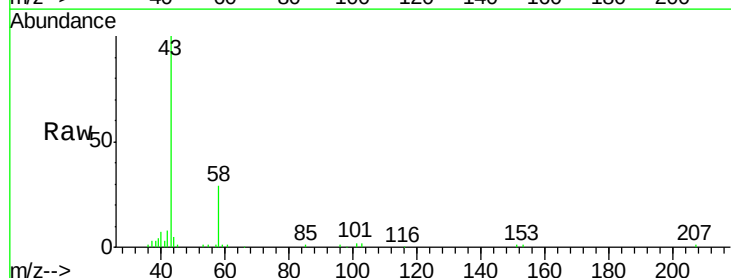
Acq: 26 May 2020 16:39

Tgt Ion: 43 Resp: 108611

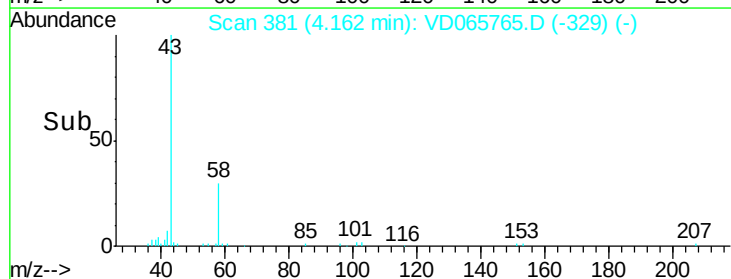
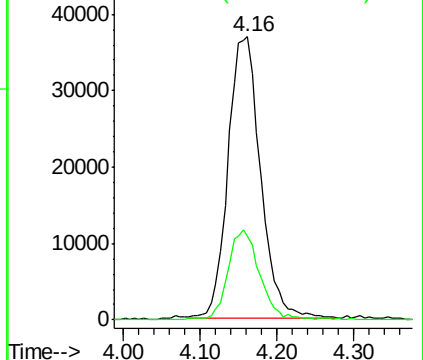
Ion Ratio Lower Upper

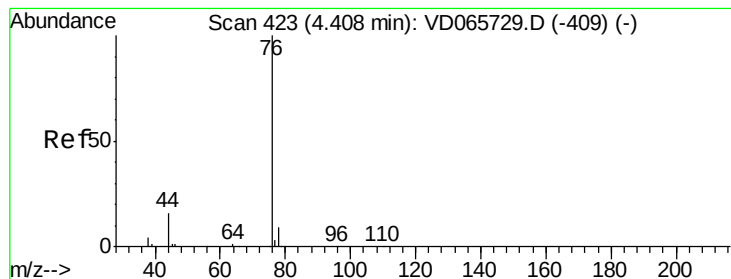
43 100

58 29.2 23.7 35.5



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





#17

Carbon Disulfide

Concen: 50.889 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

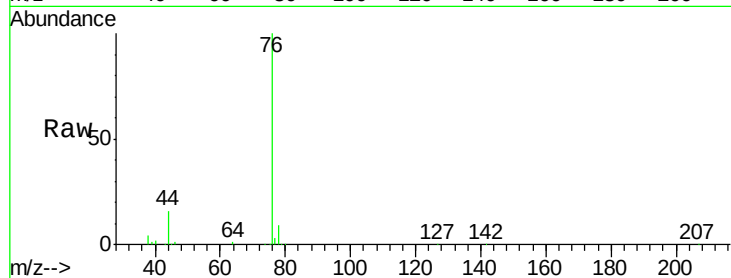
ClientSampleId :

Tot Ion: 76 Resp: 338545

Ion Ratio Lower Upper

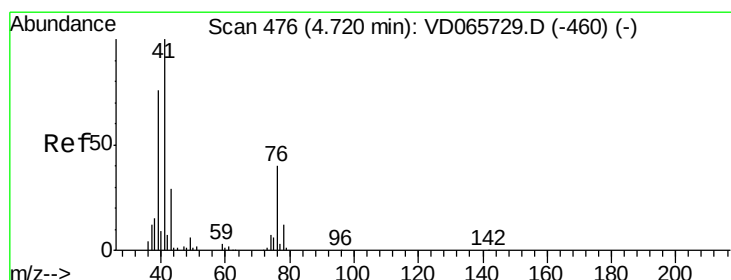
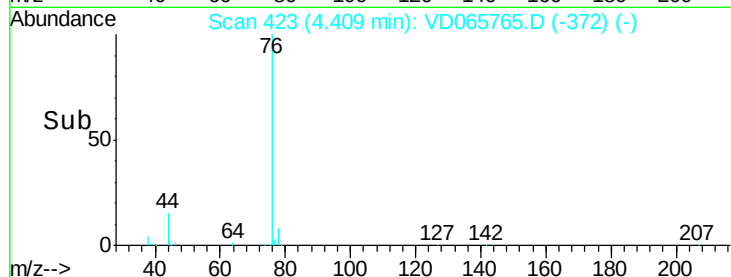
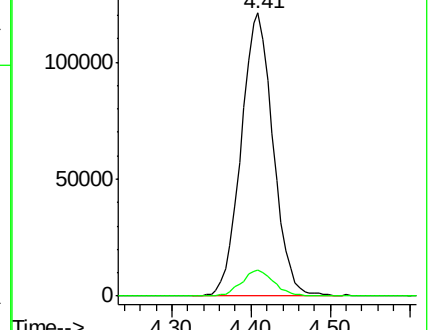
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 54.292 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065765.D

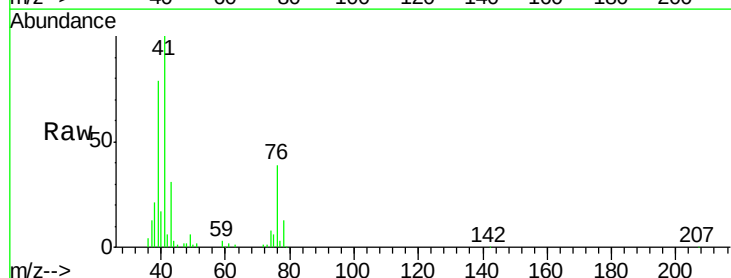
Acq: 26 May 2020 16:39

Tgt Ion: 43 Resp: 53590

Ion Ratio Lower Upper

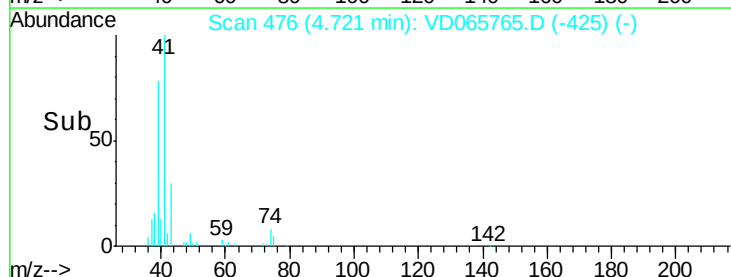
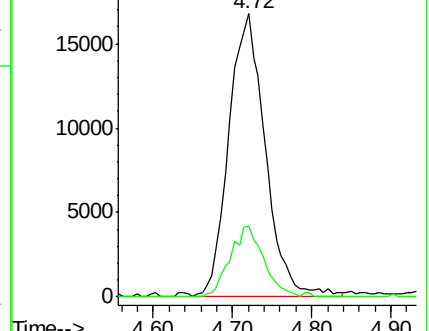
43 100

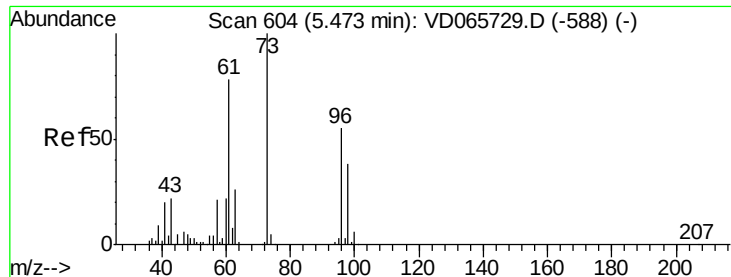
74 22.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

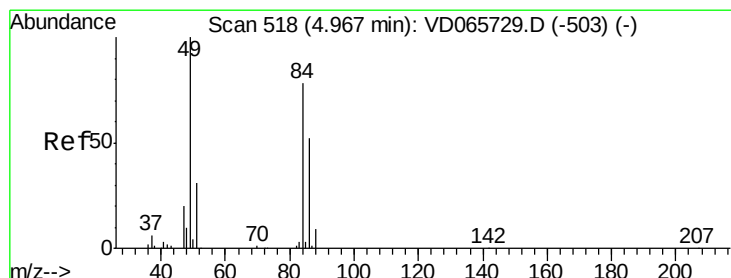
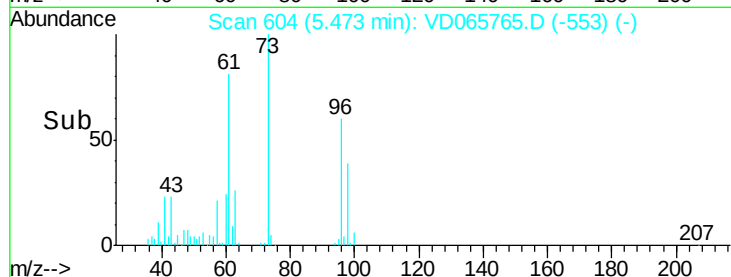
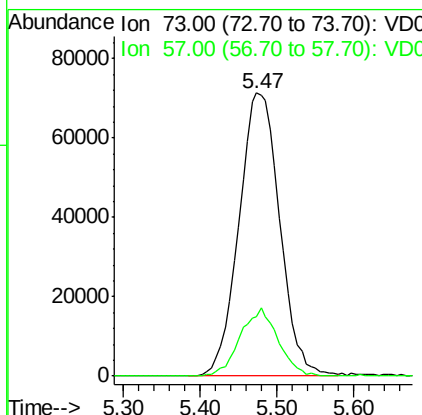
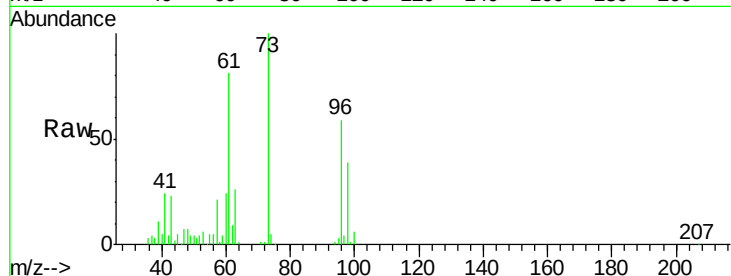




#19
Methyl tert-butyl Ether
Concen: 53.788 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

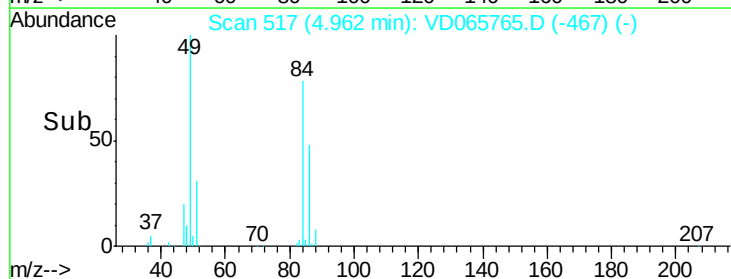
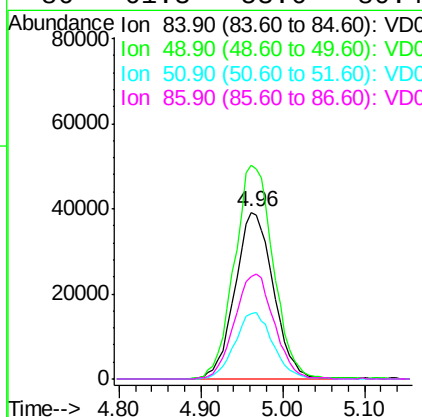
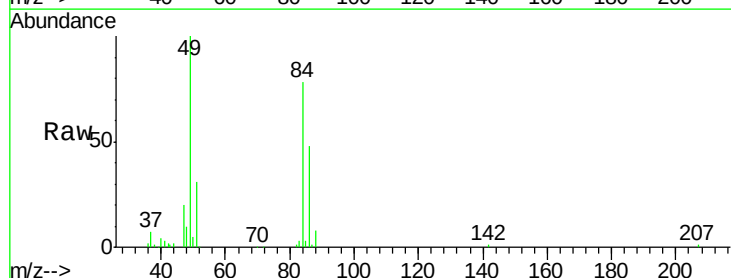
Instrument :
MSVOA_D
ClientSampled :

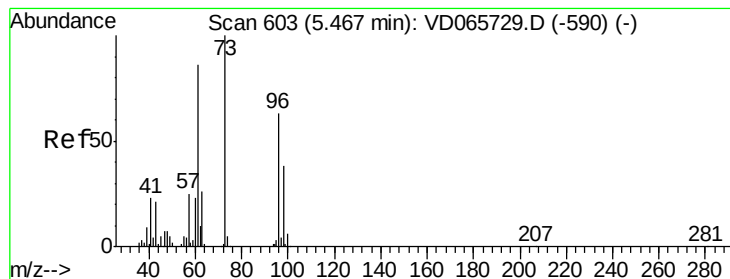
Tot Ion: 73 Resp: 264318
Ion Ratio Lower Upper
73 100
57 20.8 17.0 25.4



#20
Methylene Chloride
Concen: 53.493 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 84 Resp: 128042
Ion Ratio Lower Upper
84 100
49 128.3 102.9 154.3
51 39.6 31.5 47.3
86 61.3 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 53.612 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :
MSVOA_D
ClientSampleId :

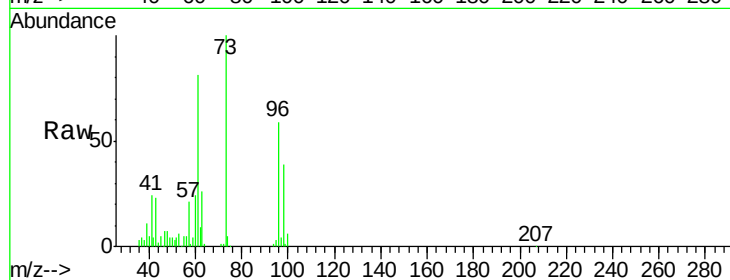
Tot Ion: 96 Resp: 130018

Ion Ratio Lower Upper

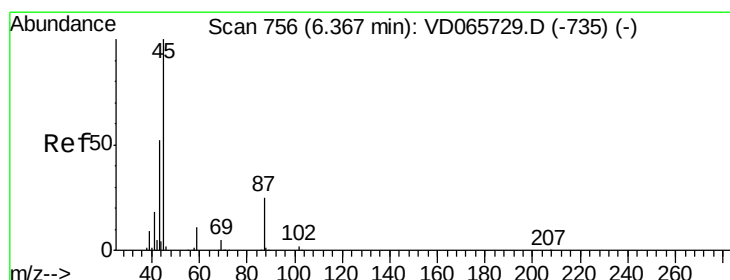
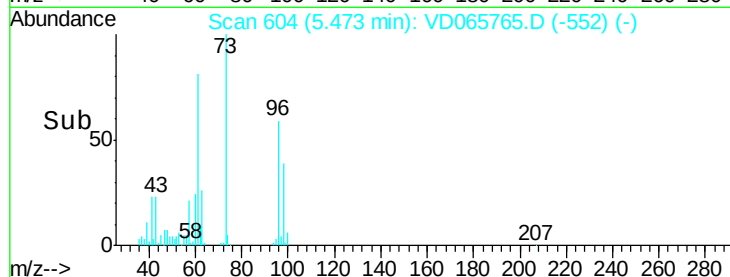
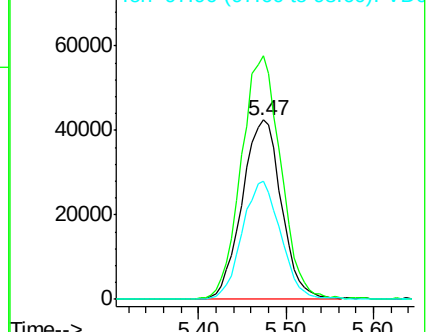
96 100

61 135.9 108.6 163.0

98 65.7 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: 56.421 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Tgt Ion: 45 Resp: 391202

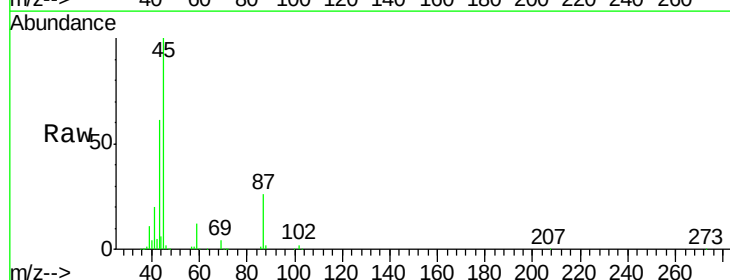
Ion Ratio Lower Upper

45 100

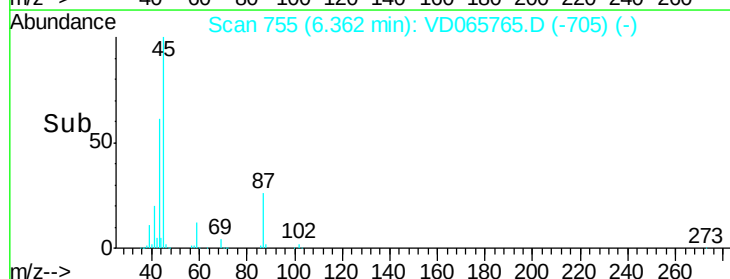
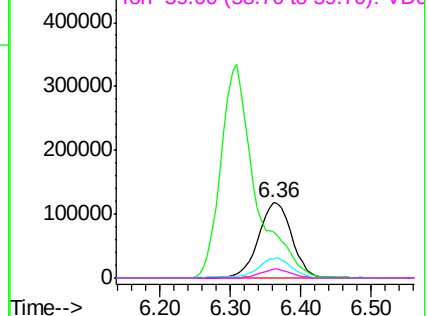
43 59.8 41.8 62.6

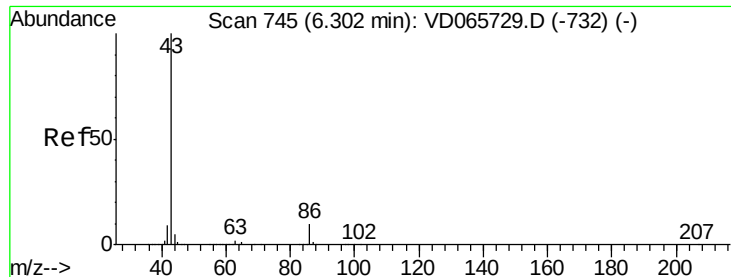
87 26.2 20.1 30.1

59 11.5 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: 277.754 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

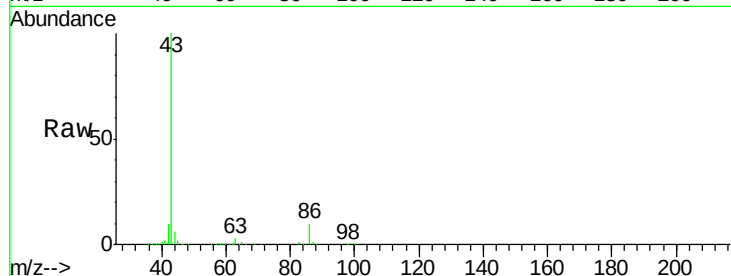
ClientSampleId :

Tot Ion: 43 Resp: 1132723

Ion Ratio Lower Upper

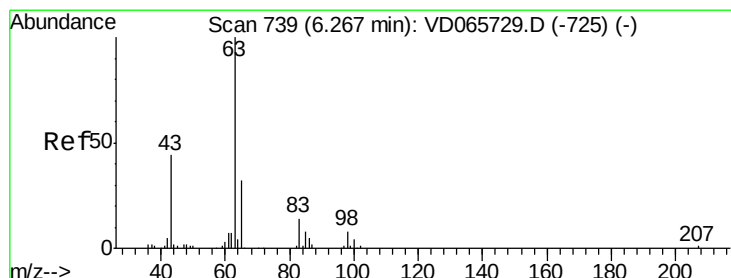
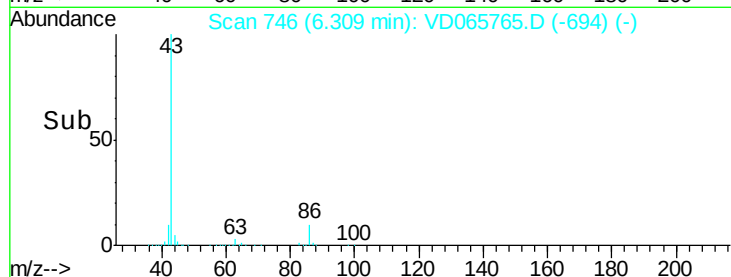
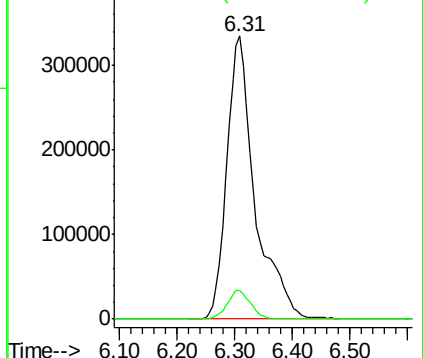
43 100

86 10.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.814 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

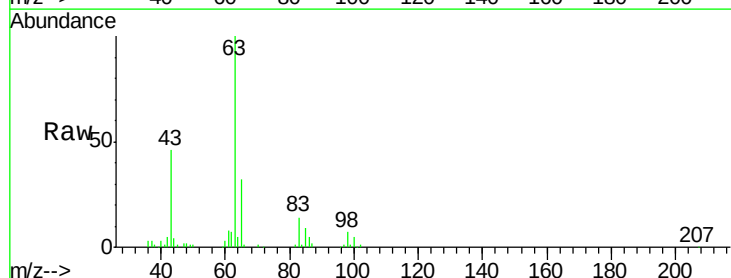
Tgt Ion: 63 Resp: 230643

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

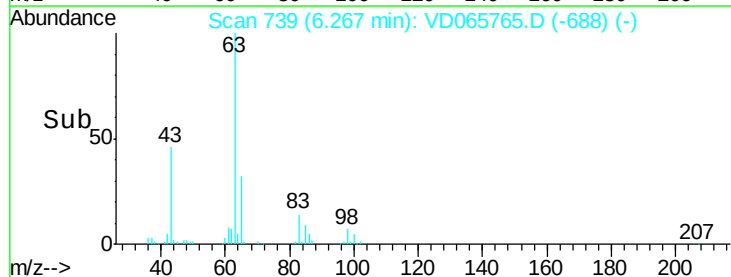
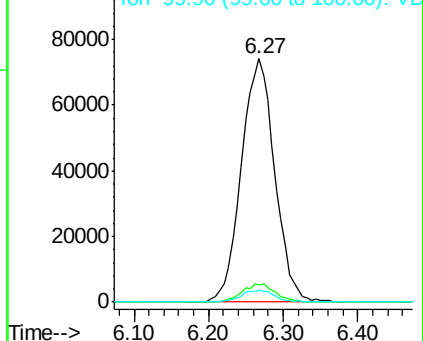
100 5.0 2.2 6.6

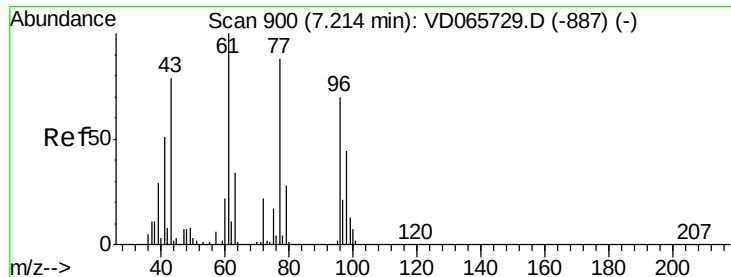


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 263.156 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

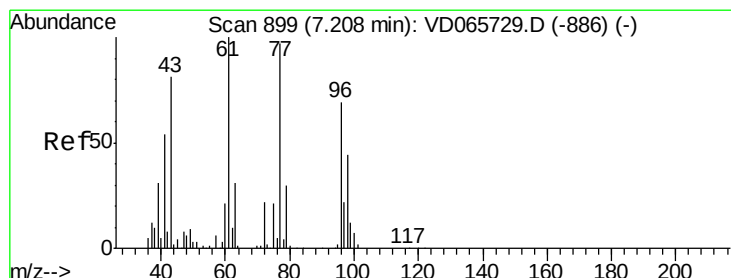
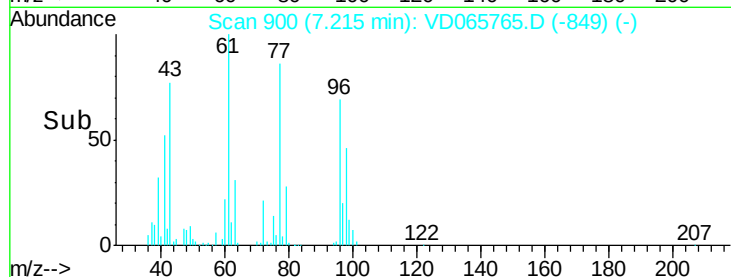
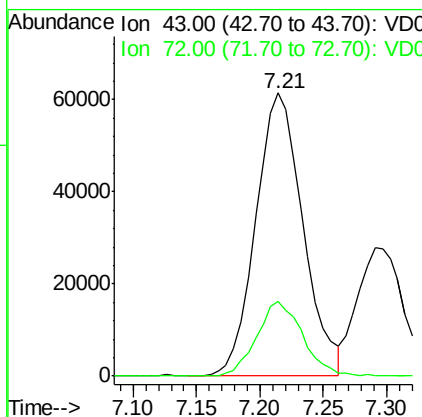
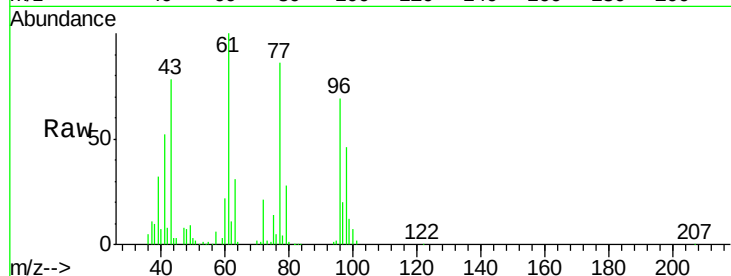
ClientSampled :

Tot Ion: 43 Resp: 159603

Ion Ratio Lower Upper

43 100

72 26.5 22.3 33.5



#26

2,2-Dichloropropane

Concen: 53.748 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065765.D

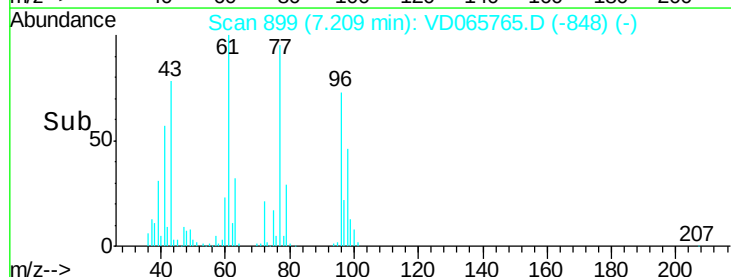
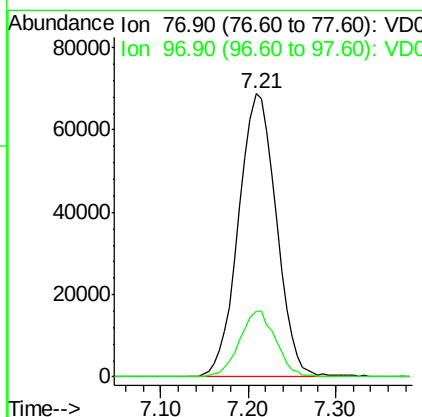
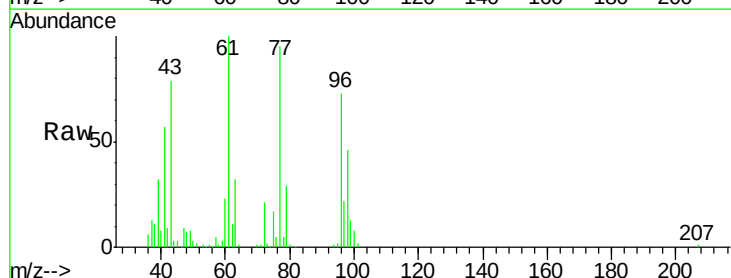
Acq: 26 May 2020 16:39

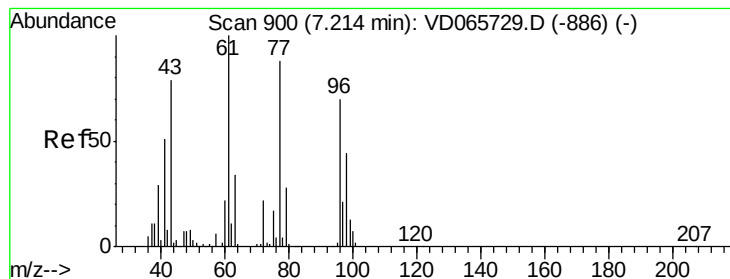
Tgt Ion: 77 Resp: 202516

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9



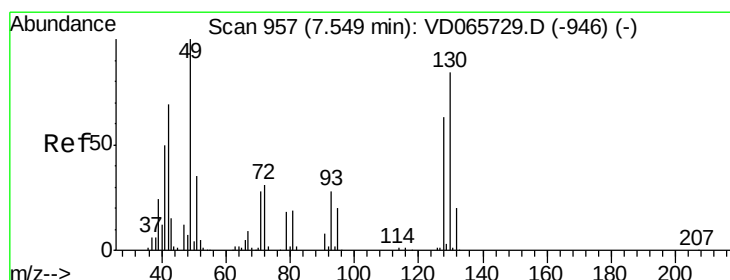
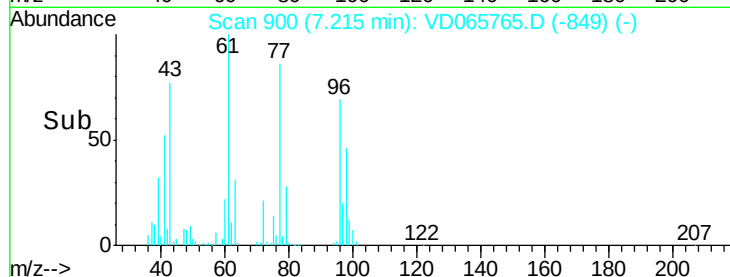
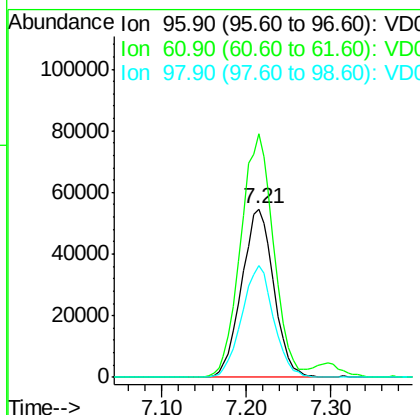
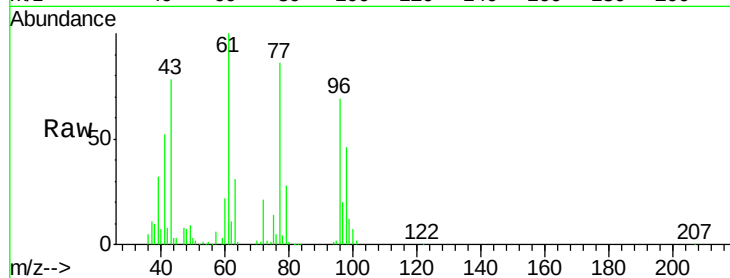


#27

cis-1,2-Dichloroethene
 Concen: 54.583 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Instrument :
 MSVOA_D
 ClientSampled :

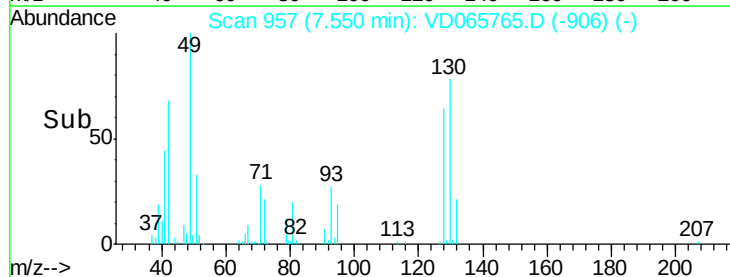
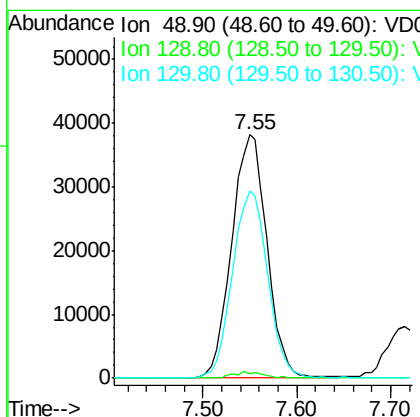
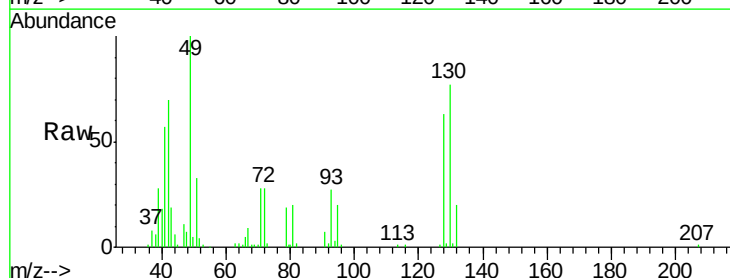
Tot Ion: 96 Resp: 145061
 Ion Ratio Lower Upper
 96 100
 61 147.7 0.0 288.0
 98 65.3 0.0 127.8

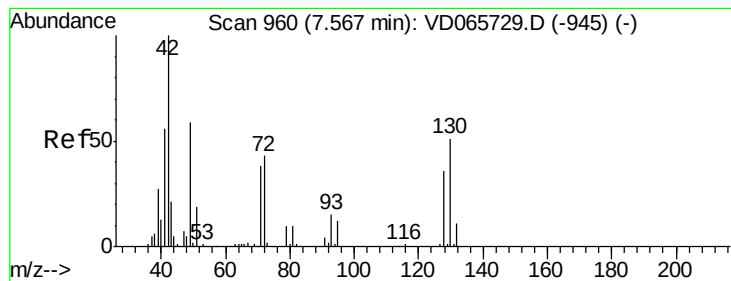


#28

Bromochloromethane
 Concen: 59.620 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 49 Resp: 99512
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 76.8 65.2 97.8





#29

Tetrahydrofuran

Concen: 271.197 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

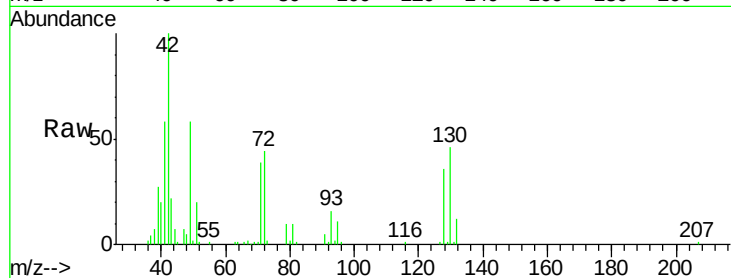
Tot Ion: 42 Resp: 104284

Ion Ratio Lower Upper

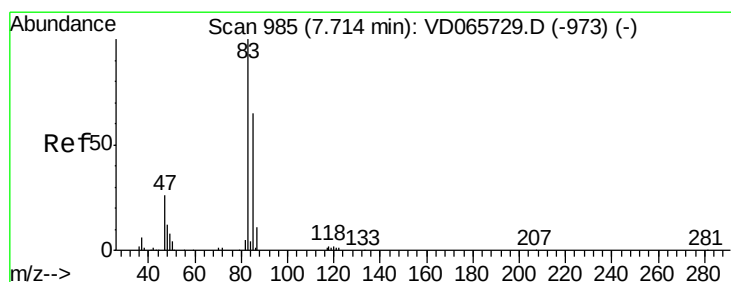
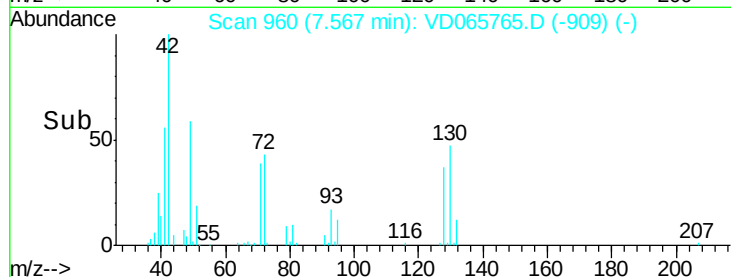
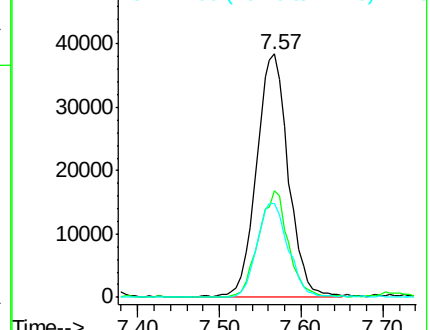
42 100

72 40.8 33.5 50.3

71 38.1 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: 57.895 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065765.D

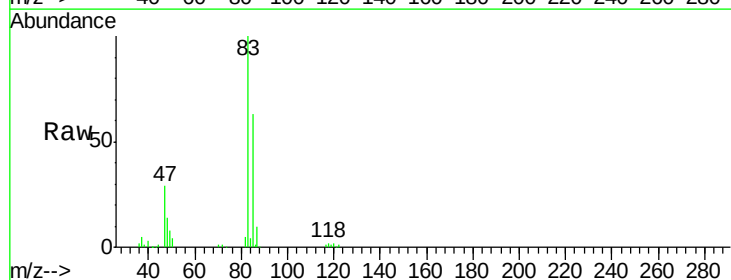
Acq: 26 May 2020 16:39

Tgt Ion: 83 Resp: 237530

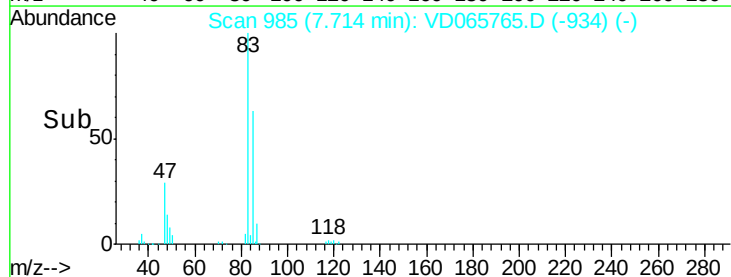
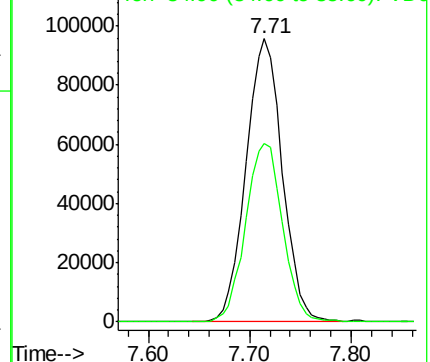
Ion Ratio Lower Upper

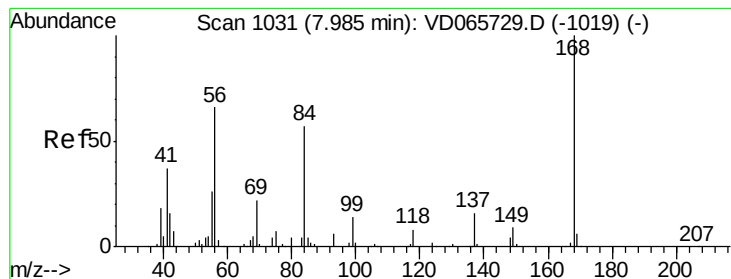
83 100

85 62.9 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: 49.424 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

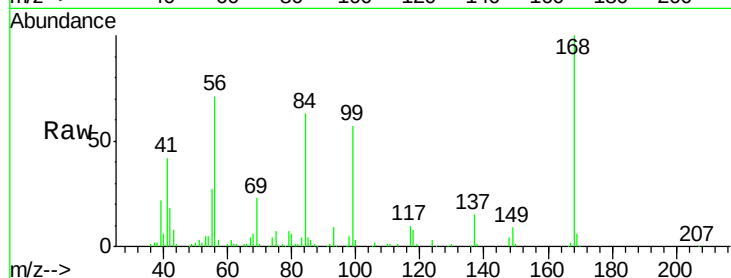
Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 203104

Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.9	38.9
84	86.4	69.1	103.7

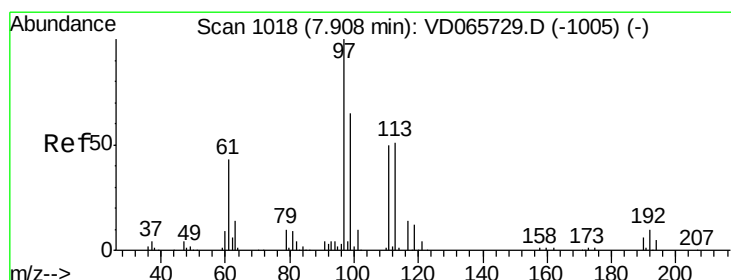
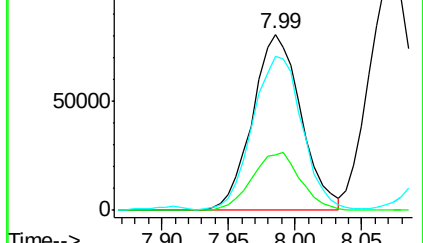
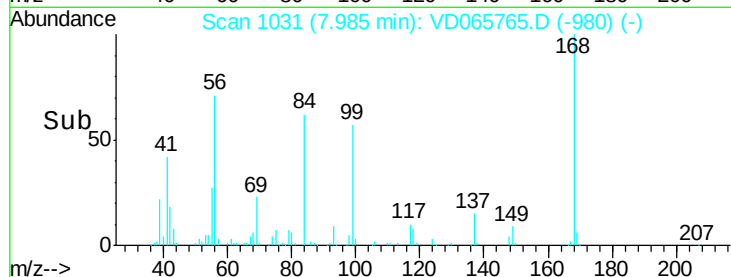


Abundance

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: 55.905 ug/l

RT: 7.91 min Scan# 1018

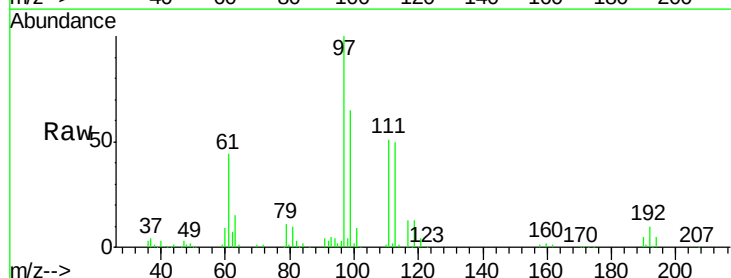
Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Tgt Ion: 97 Resp: 214859

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.5	75.7
61	44.3	33.9	50.9

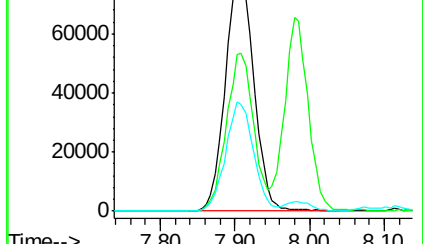
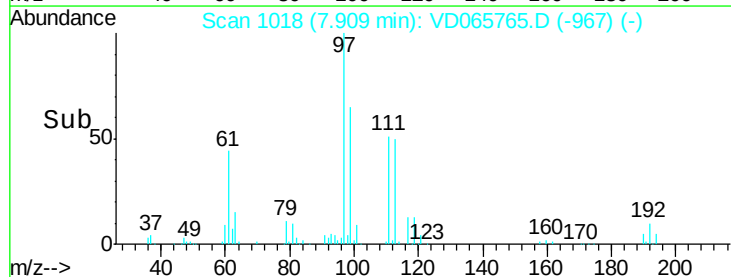


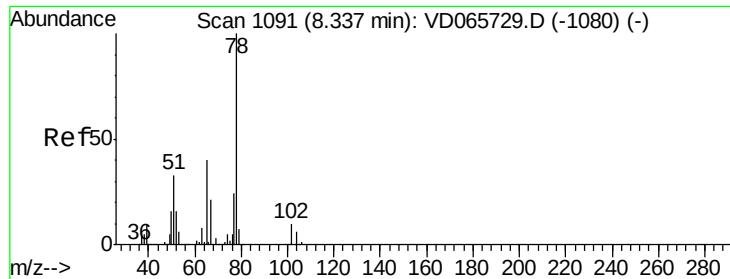
Abundance

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

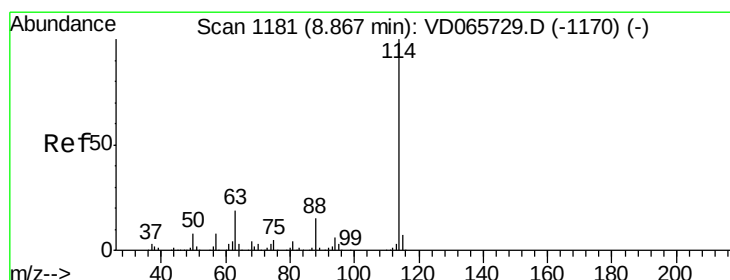
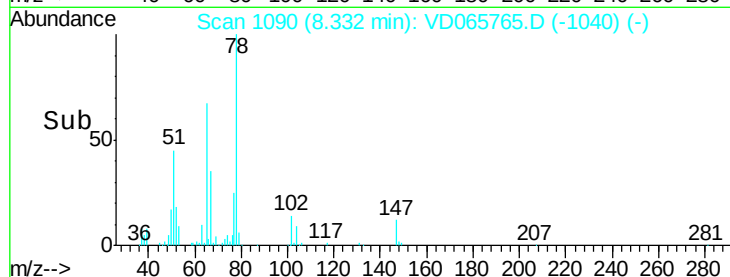
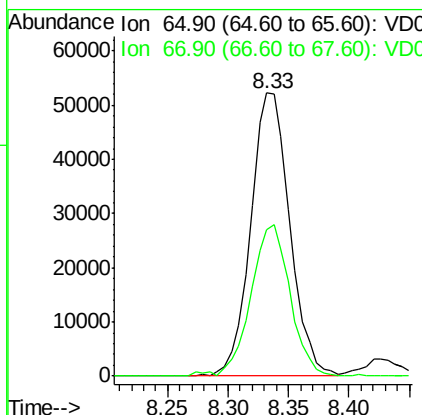
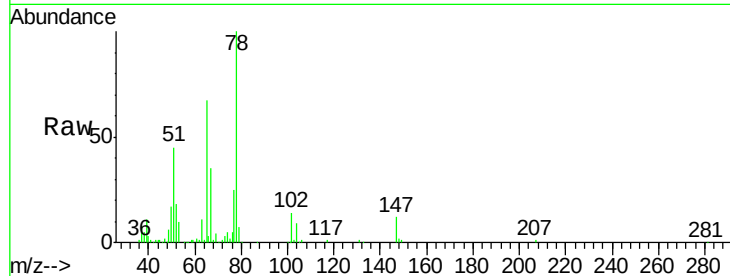




#33
 1,2-Dichloroethane-d4
 Concen: 57.016 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

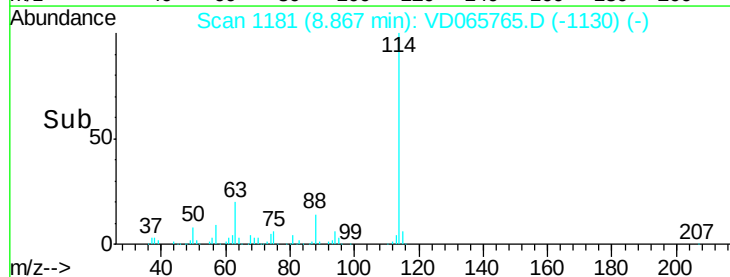
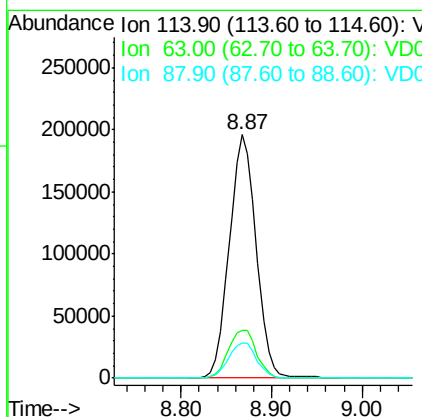
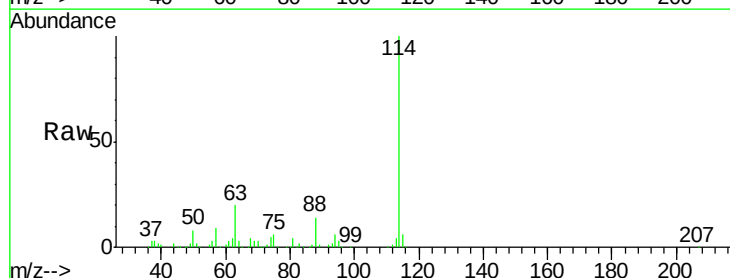
Instrument :
 MSVOA_D
 ClientSampleId :

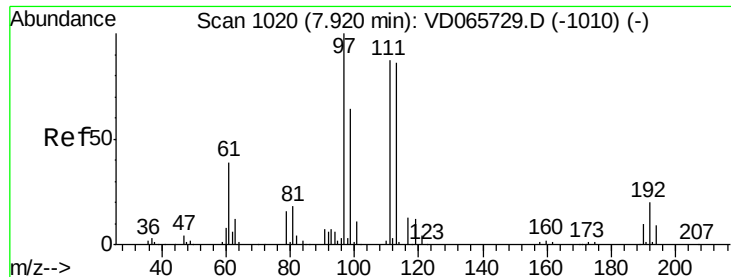
Tot Ion: 65 Resp: 117935
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 114 Resp: 403848
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.2
 88 14.5 0.0 30.2

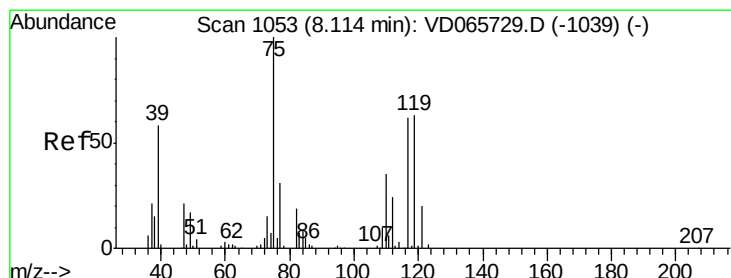
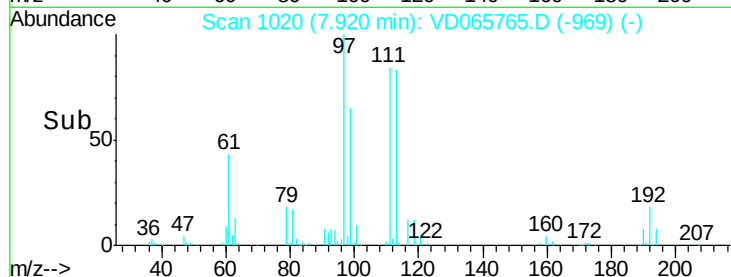
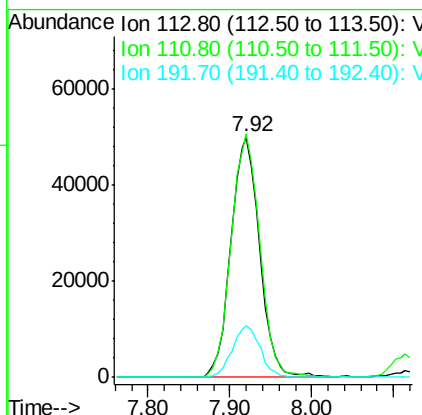
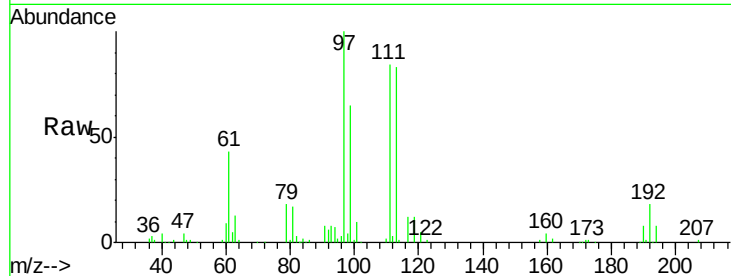




#35
 Dibromofluoromethane
 Concen: 53.223 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

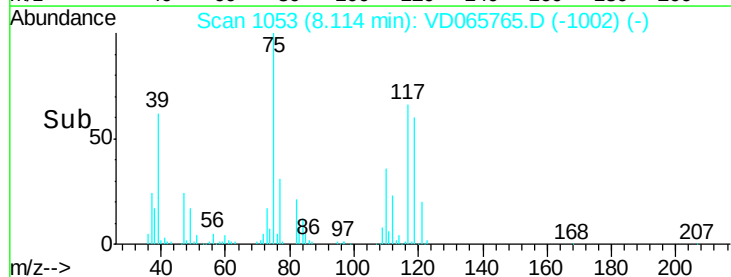
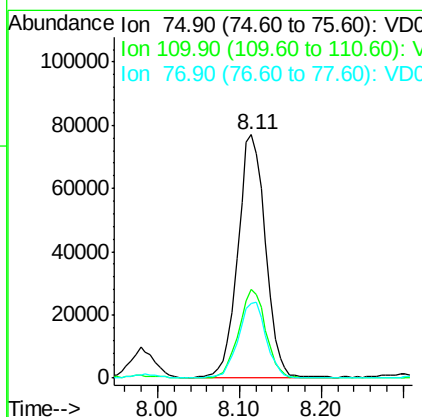
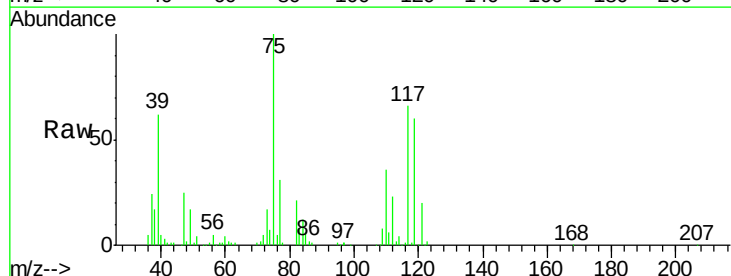
Instrument :
 MSVOA_D
 ClientSampleId :

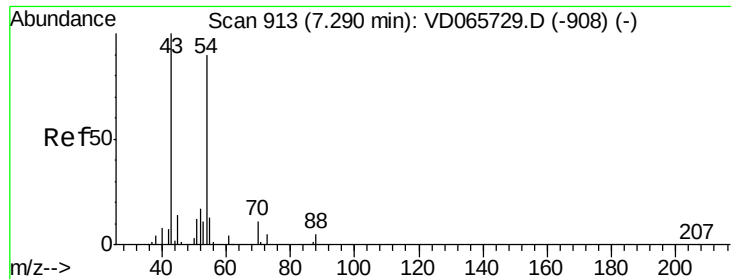
Tot Ion:113 Resp: 121770
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 21.0 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 52.047 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 75 Resp: 182536
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.4 55.2
 77 31.2 24.6 37.0

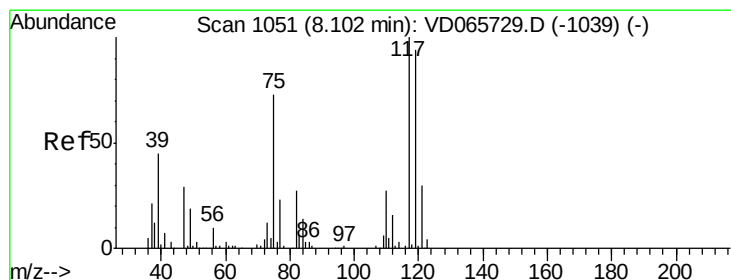
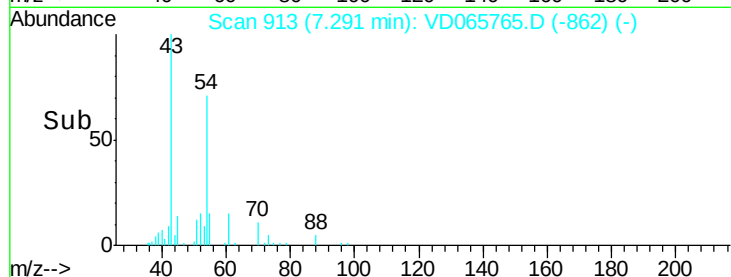
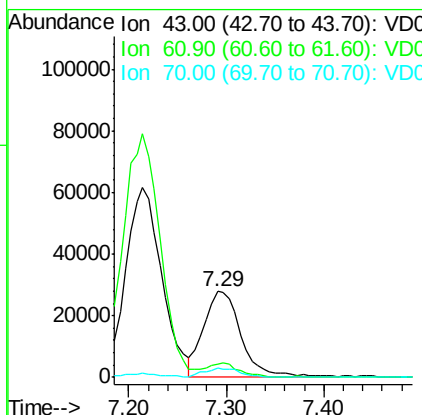
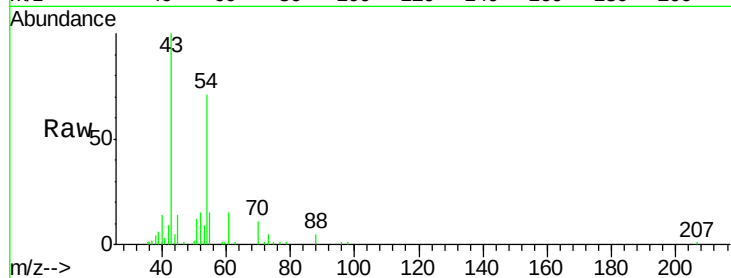




#37
Ethyl Acetate
Concen: 48.266 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

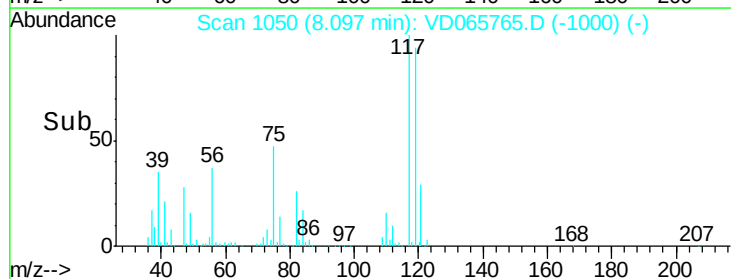
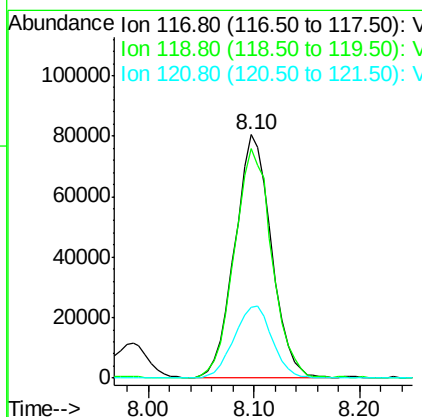
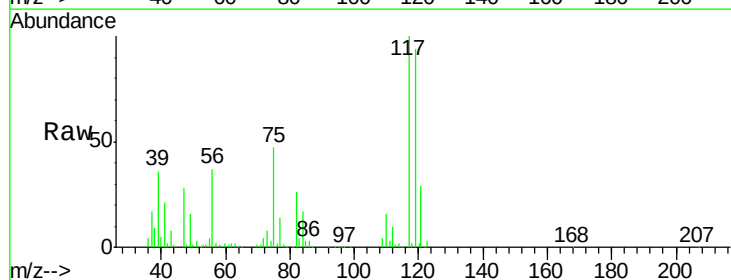
Instrument :
MSVOA_D
ClientSampled :

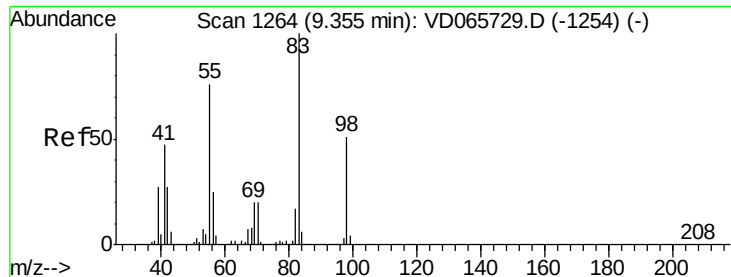
Tot Ion: 43 Resp: 72520
Ion Ratio Lower Upper
43 100
61 14.3 9.8 14.6
70 10.2 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.034 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 117 Resp: 193560
Ion Ratio Lower Upper
117 100
119 94.1 75.6 113.4
121 29.3 24.4 36.6

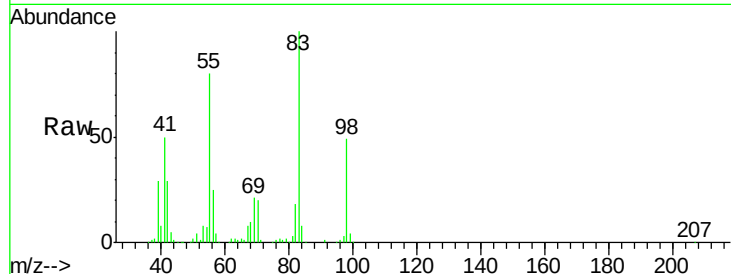




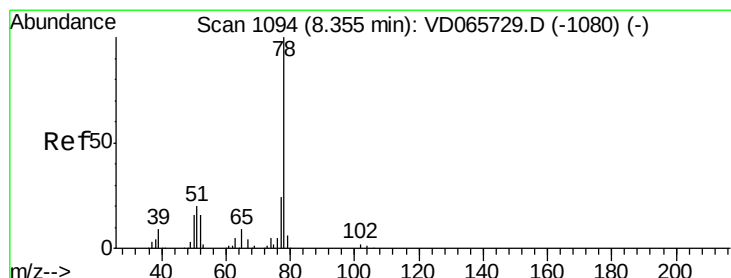
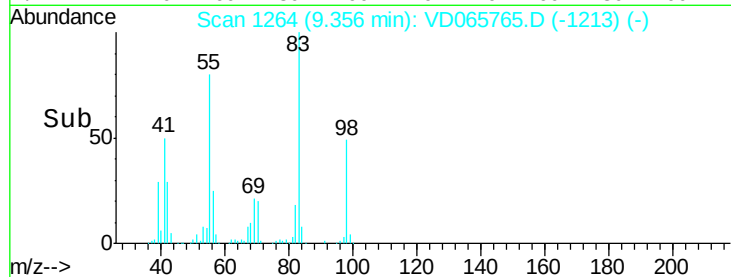
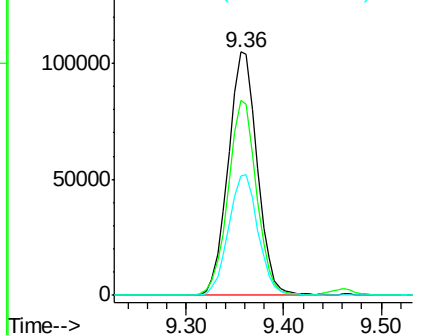
#39
Methylvlcyclohexane
Concen: 48.594 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 218411
Ion Ratio Lower Upper
83 100
55 80.2 60.9 91.3
98 49.0 40.6 61.0

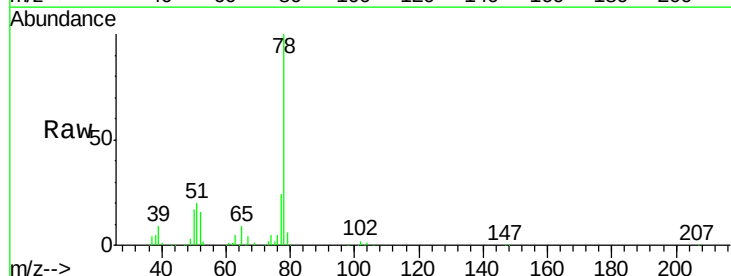


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

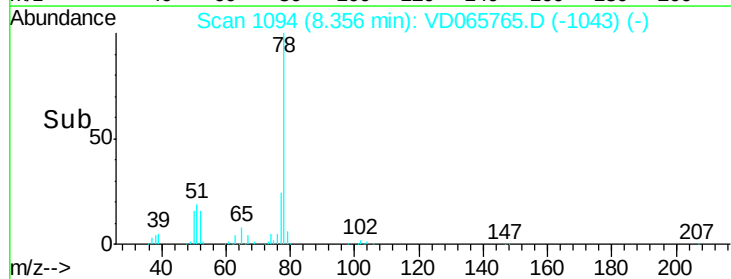
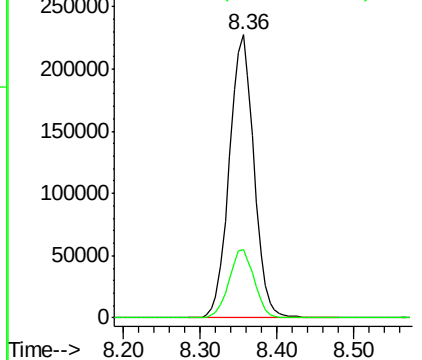


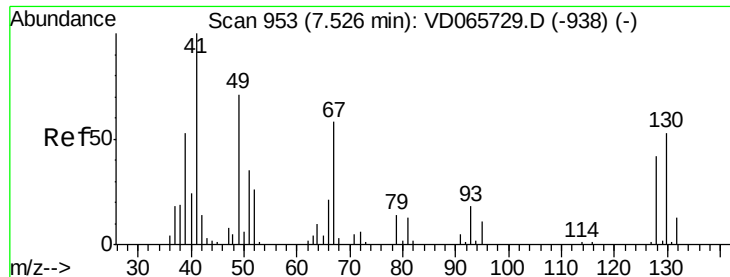
#40
Benzene
Concen: 52.927 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 78 Resp: 510428
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7



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

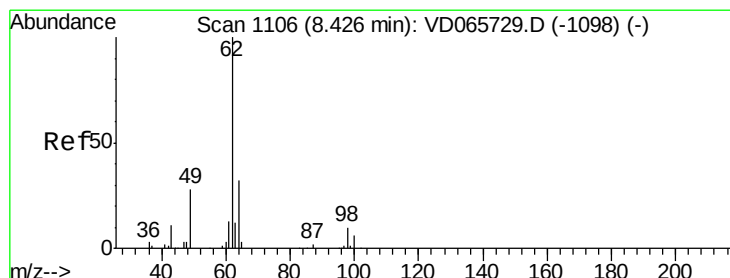
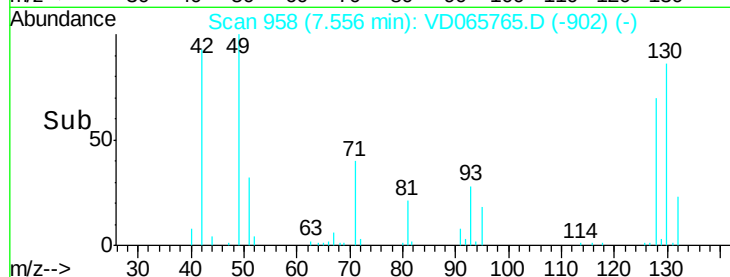
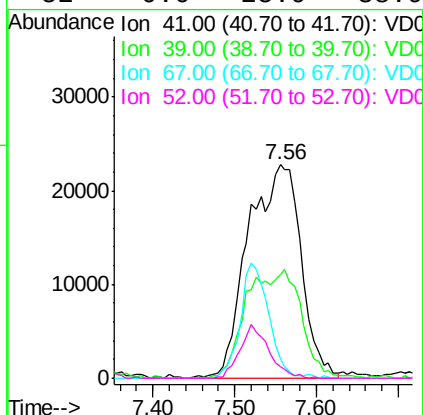
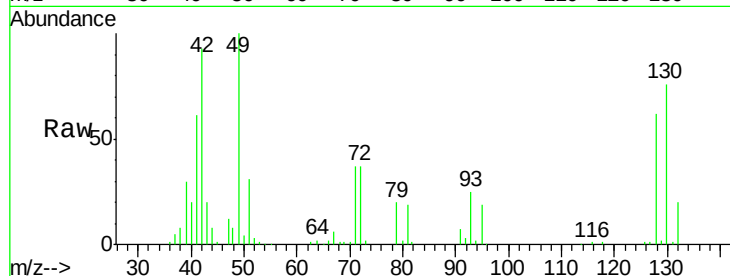




#41
Methacrylonitrile
Concen: 123.101 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

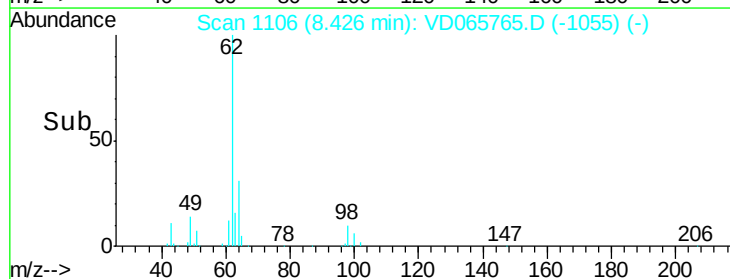
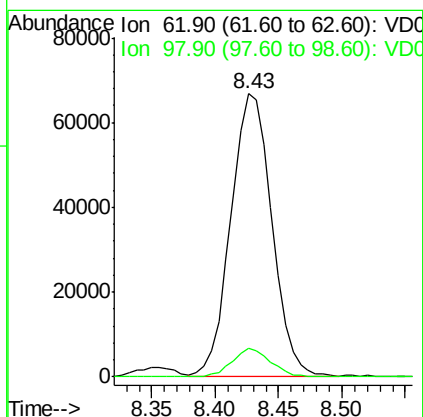
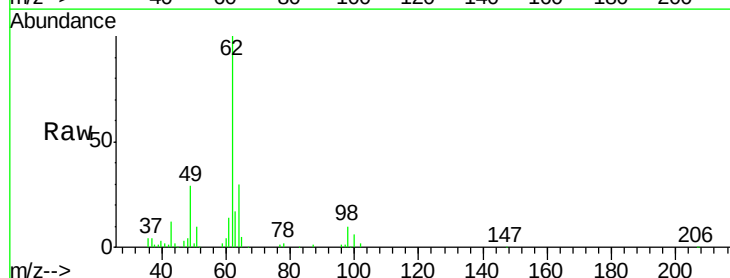
Instrument :
MSVOA_D
ClientSampleId :

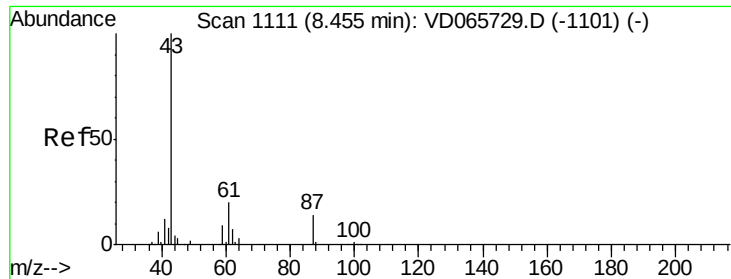
Tot Ion: 41 Resp: 101863
Ion Ratio Lower Upper
41 100
39 0.0 56.8 85.2#
67 0.0 57.9 86.9#
52 0.0 25.9 38.9#



#42
1,2-Dichloroethane
Concen: 55.650 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 62 Resp: 149434
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.6





#43

Isopropyl Acetate

Concen: 51.243 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

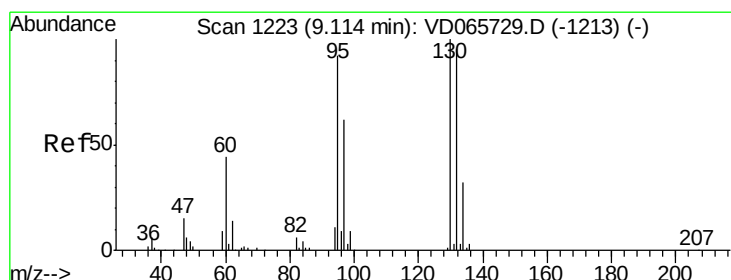
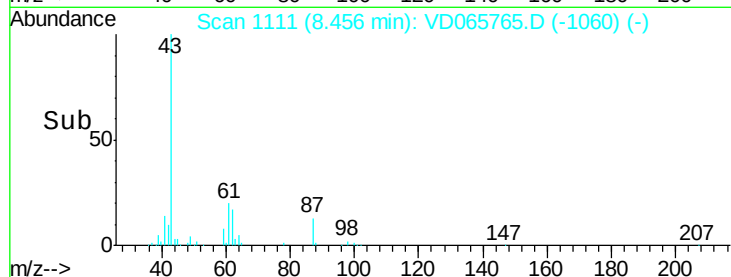
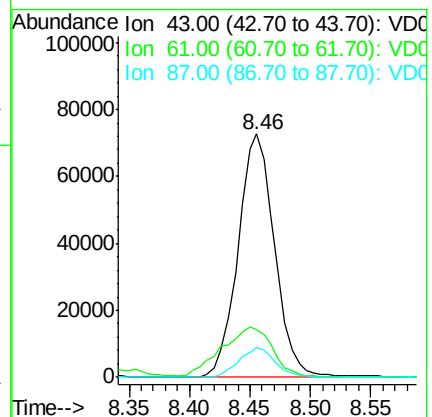
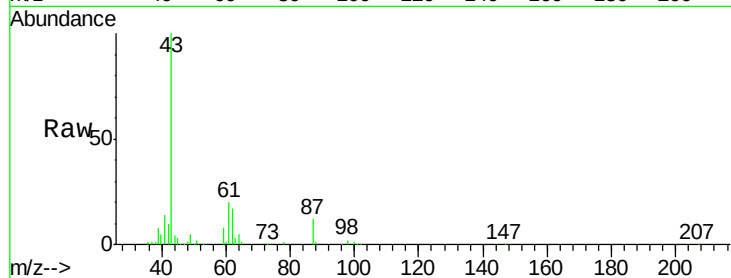
Tot Ion: 43 Resp: 152602

Ion Ratio Lower Upper

43 100

61 29.2 23.8 35.6

87 12.1 10.5 15.7



#44

Trichloroethene

Concen: 49.843 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065765.D

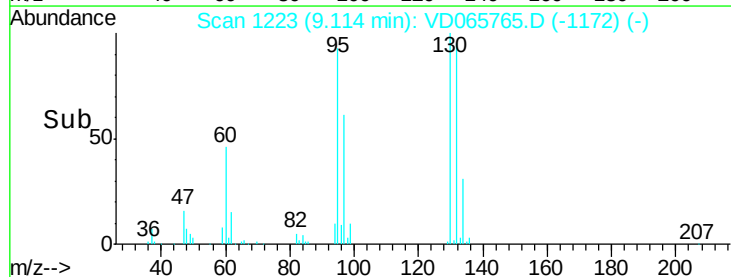
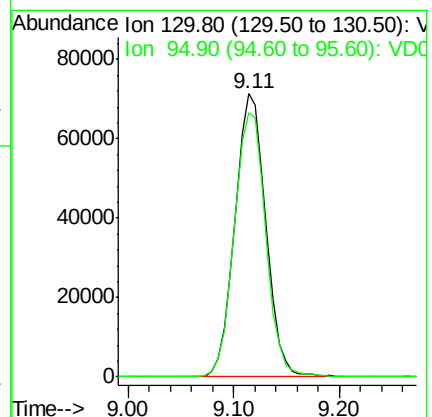
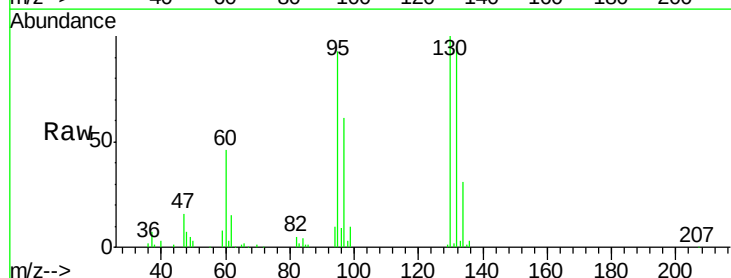
Acq: 26 May 2020 16:39

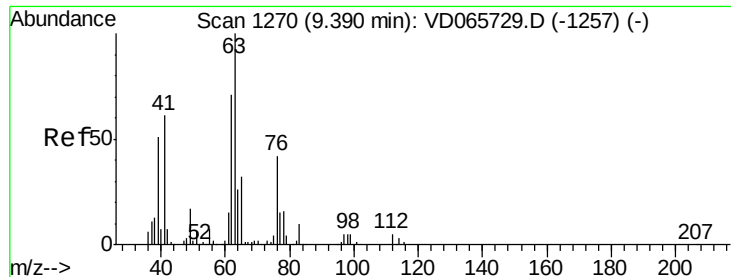
Tgt Ion:130 Resp: 143908

Ion Ratio Lower Upper

130 100

95 93.4 0.0 183.6

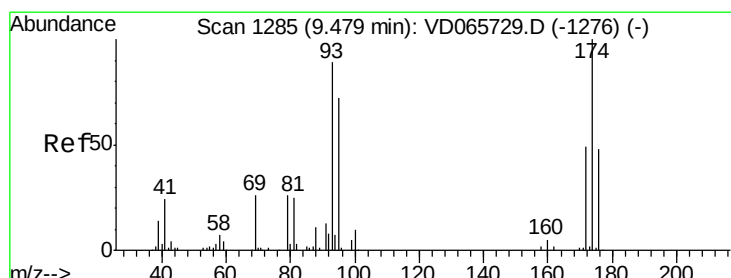
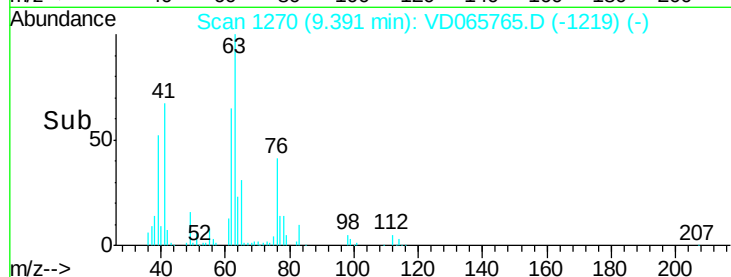
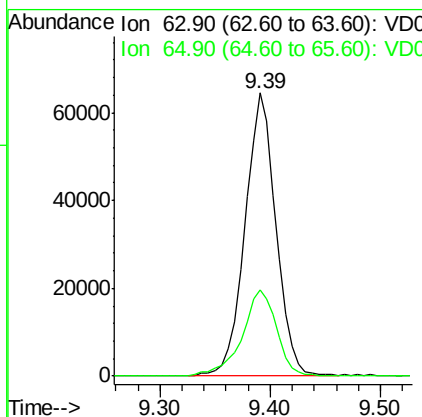
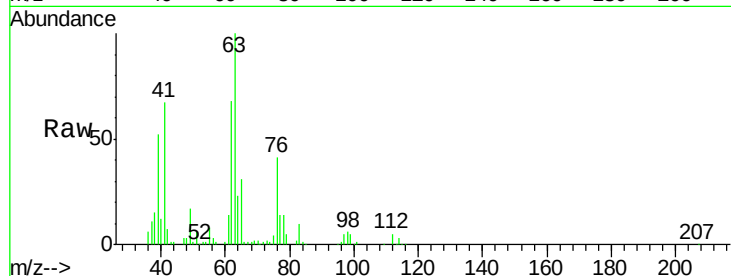




#45
 1,2-Dichloropropane
 Concen: 53.511 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

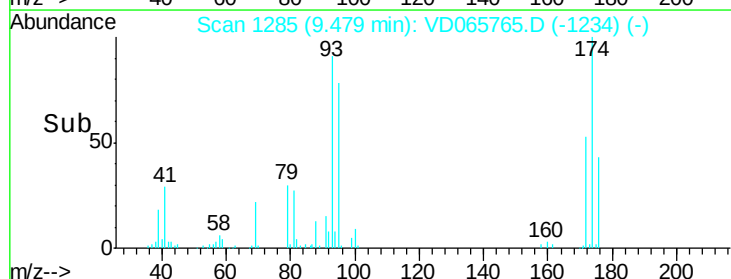
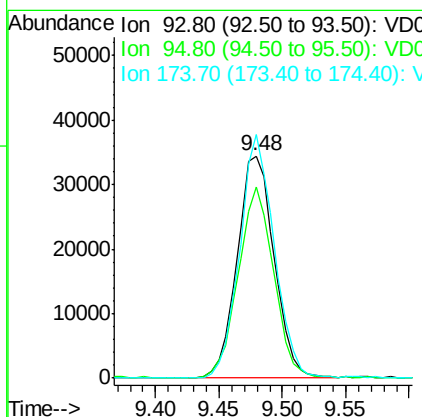
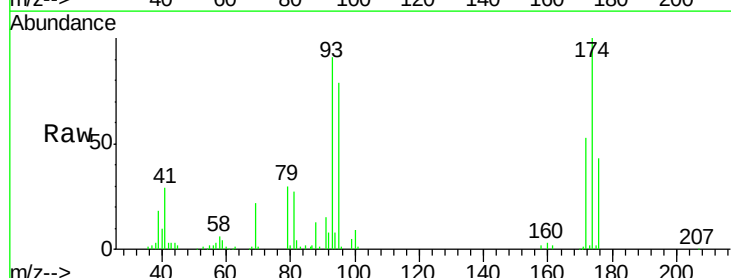
Instrument :
 MSVOA_D
 ClientSampleId :

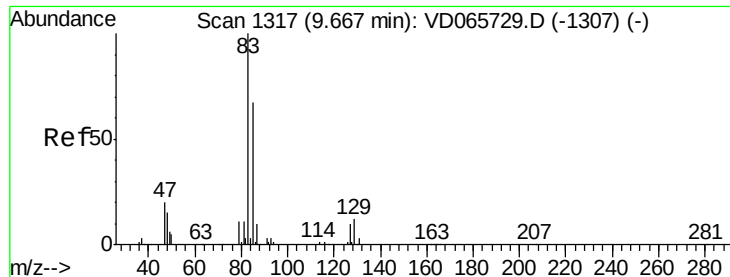
Tot Ion: 63 Resp: 127238
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.3 37.9



#46
 Dibromomethane
 Concen: 54.415 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 93 Resp: 69768
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.4 98.2
 174 102.0 89.9 134.9





#47

Bromodichloromethane

Concen: 54.135 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

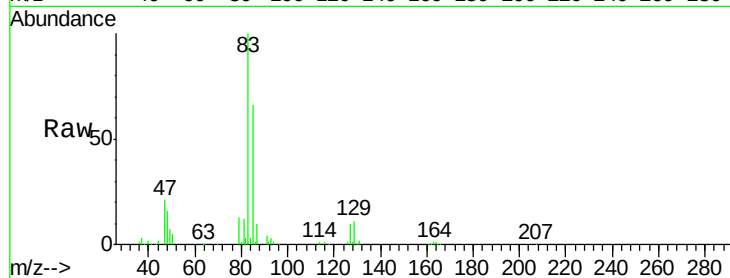
Tot Ion: 83 Resp: 181680

Ion Ratio Lower Upper

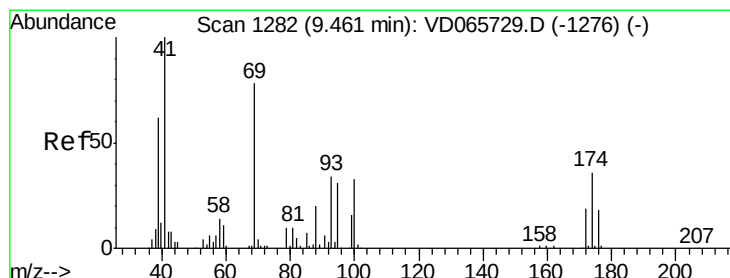
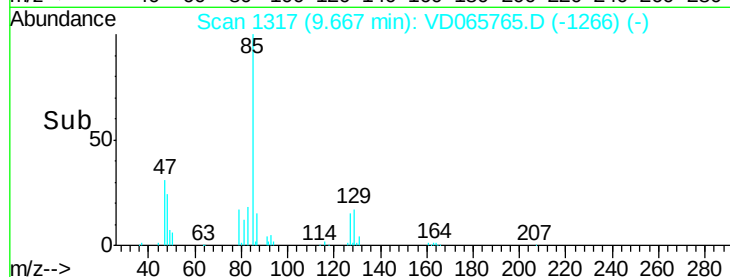
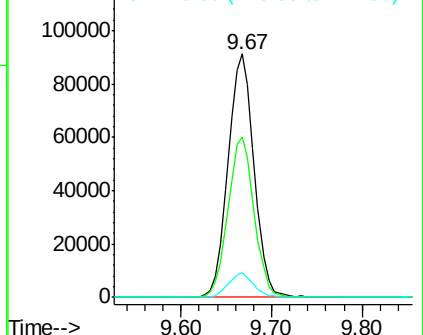
83 100

85 66.1 53.6 80.4

127 9.9 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: 49.299 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

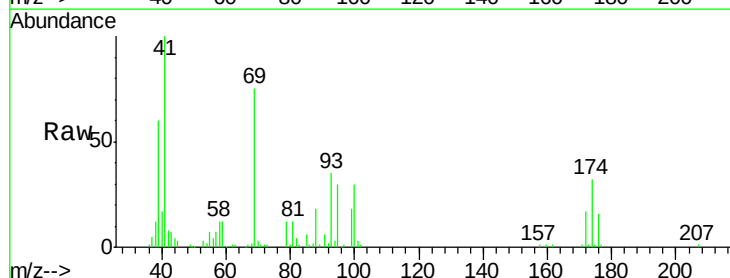
Tgt Ion: 41 Resp: 68914

Ion Ratio Lower Upper

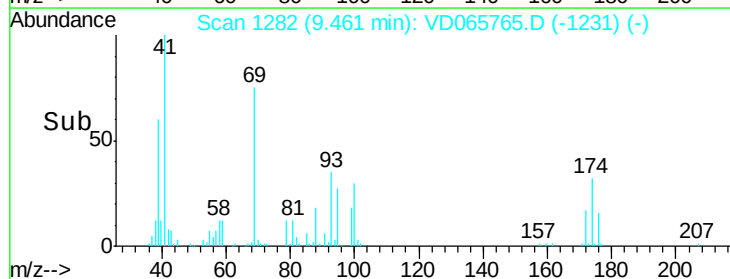
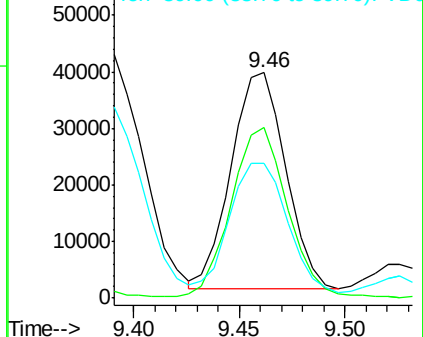
41 100

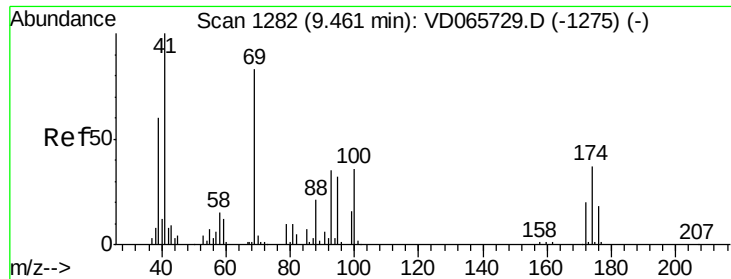
69 82.3 64.4 96.6

39 63.1 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

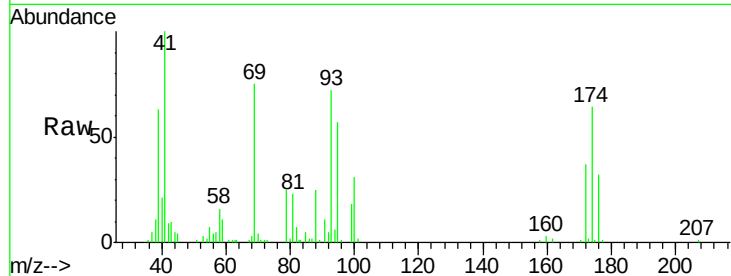




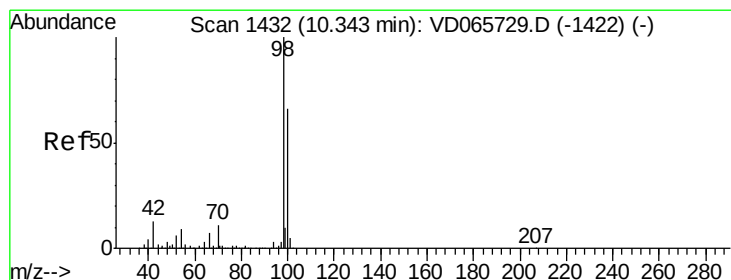
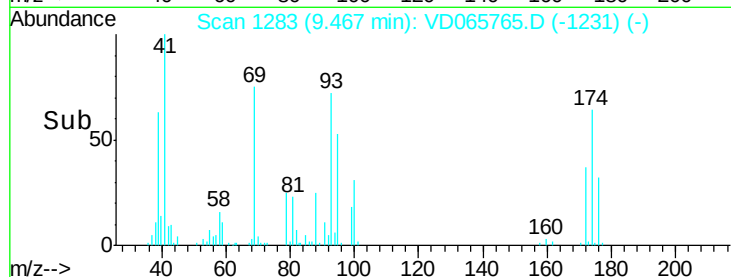
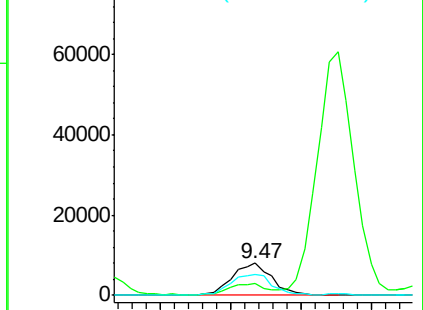
#49
1,4-Dioxane
Concen: 1032.376 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15618
Ion Ratio Lower Upper
88 100
43 38.2 29.4 44.0
58 68.0 55.1 82.7

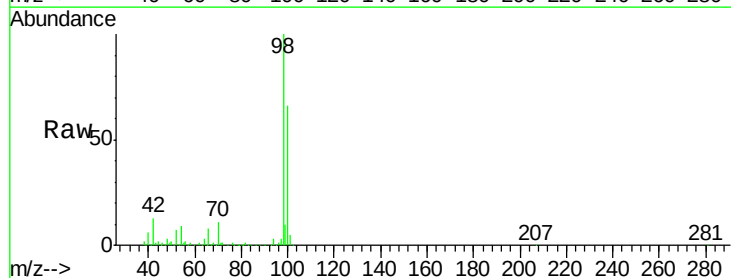


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

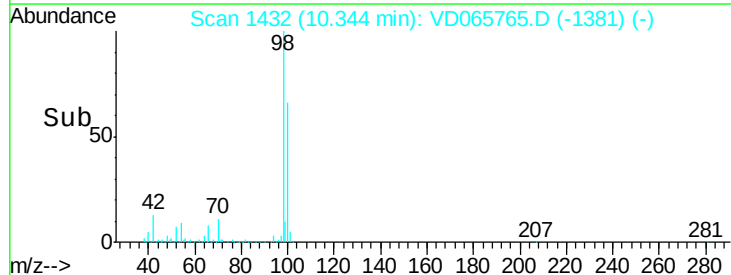
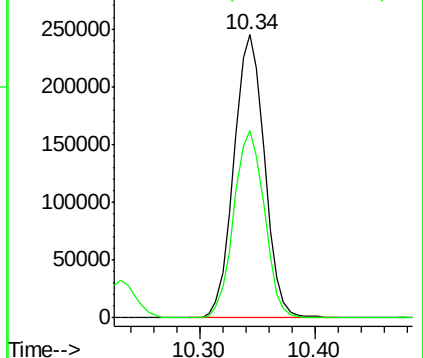


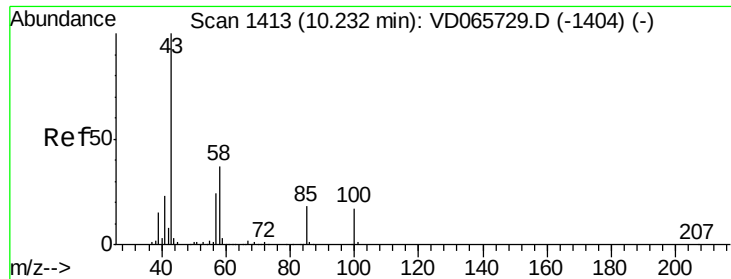
#50
Toluene-d8
Concen: 51.625 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 98 Resp: 449669
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



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

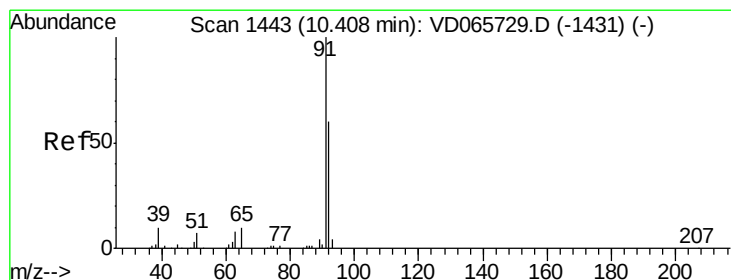
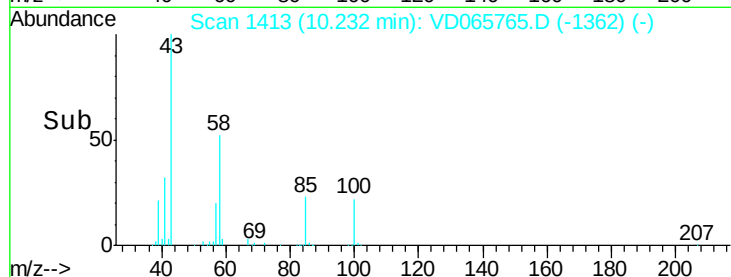
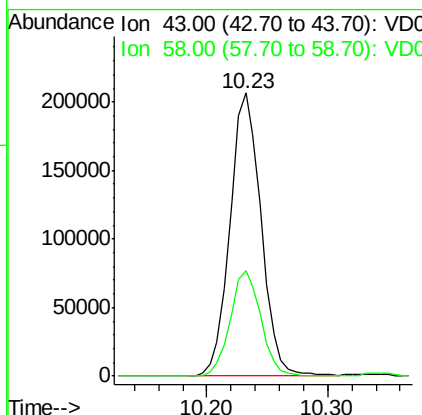
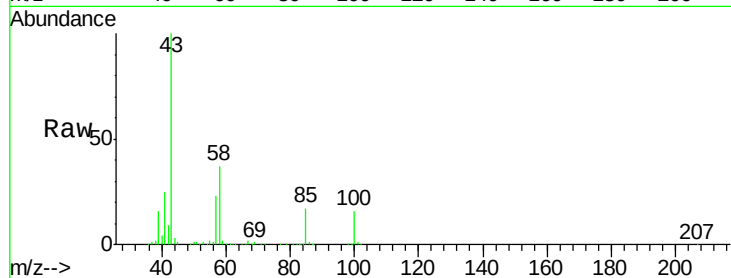




#51
 4-Methyl-2-Pentanone
 Concen: 260.129 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

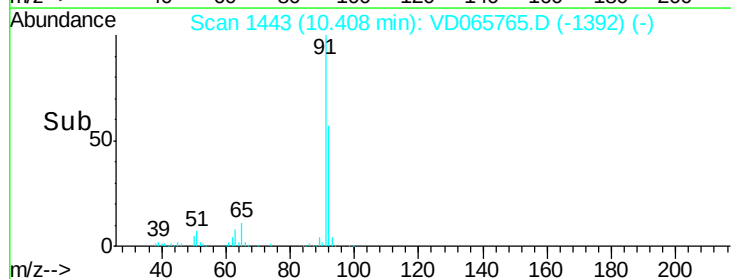
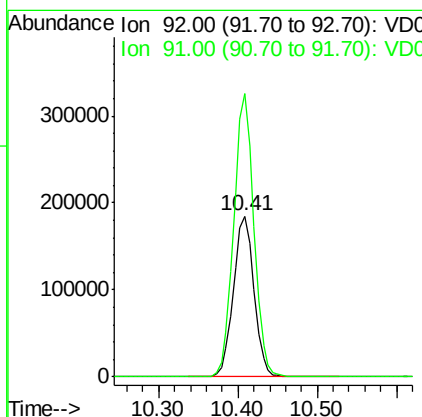
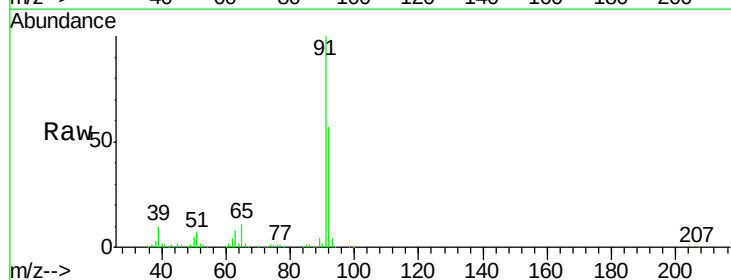
Instrument :
 MSVOA_D
 ClientSampled :

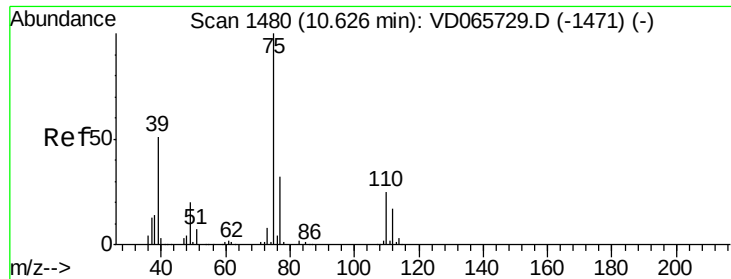
Tot Ion: 43 Resp: 370718
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.2 45.2



#52
 Toluene
 Concen: 52.631 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 92 Resp: 332528
 Ion Ratio Lower Upper
 92 100
 91 172.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 52.761 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

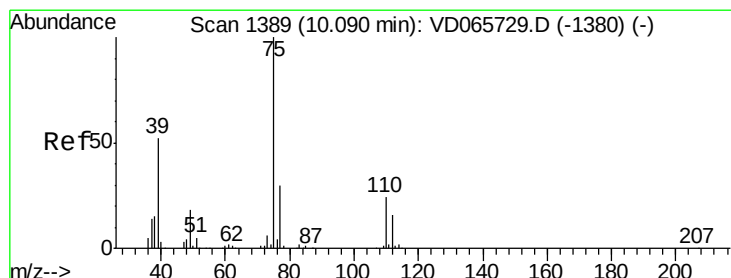
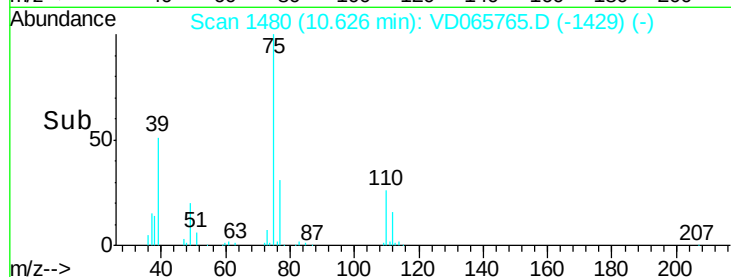
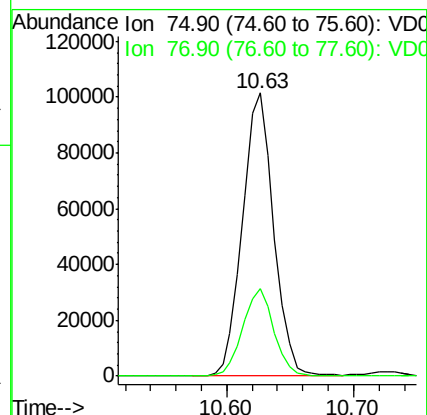
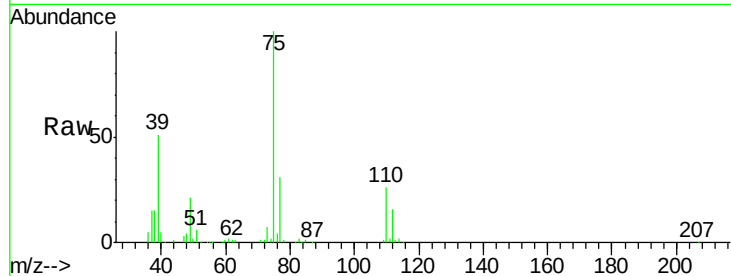
ClientSampleId :

Tot Ion: 75 Resp: 172986

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.650 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

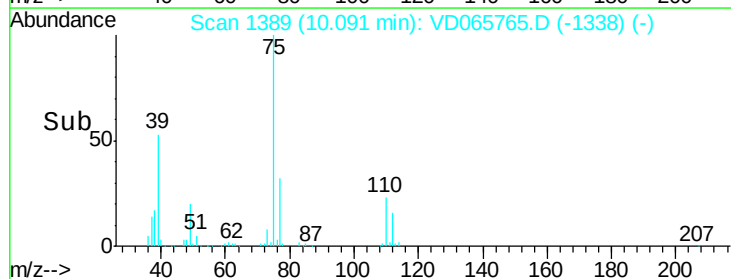
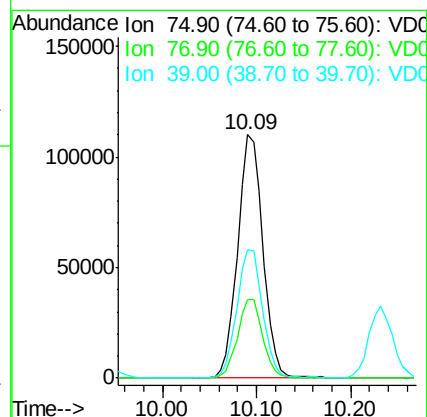
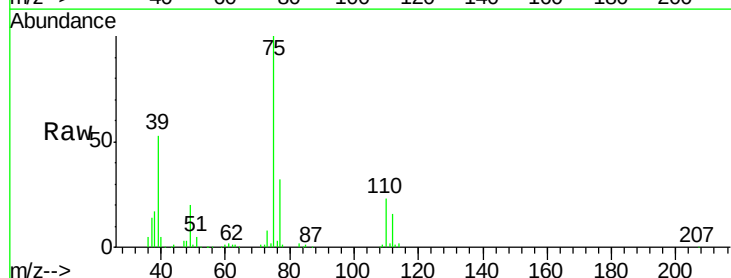
Tgt Ion: 75 Resp: 205327

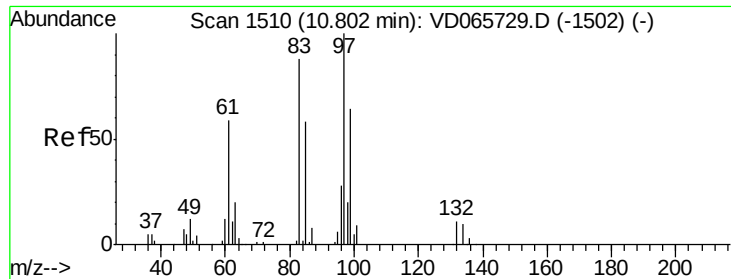
Ion Ratio Lower Upper

75 100

77 32.0 23.8 35.6

39 52.8 41.9 62.9

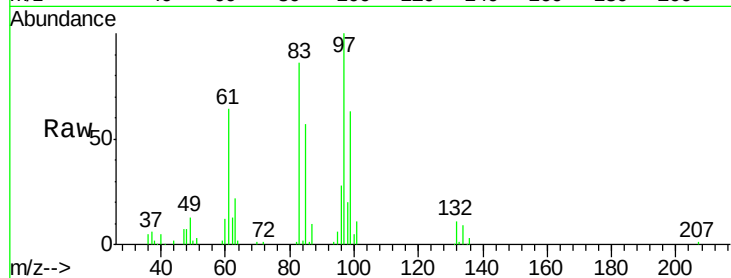




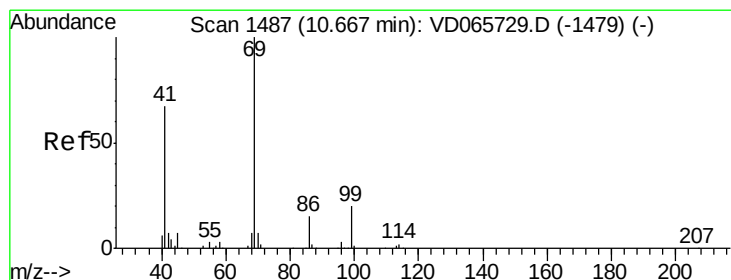
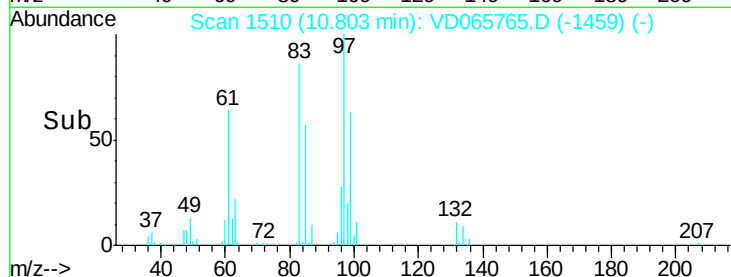
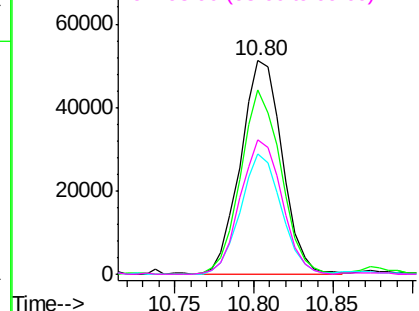
#55
 1,1,2-Trichloroethane
 Concen: 53.516 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 93474
 Ion Ratio Lower Upper
 97 100
 83 86.2 70.7 106.1
 85 56.6 46.8 70.2
 99 62.7 50.9 76.3

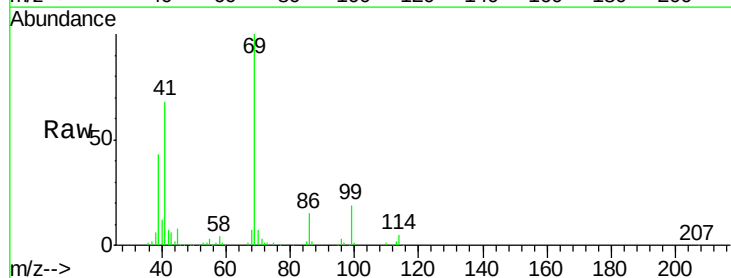


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

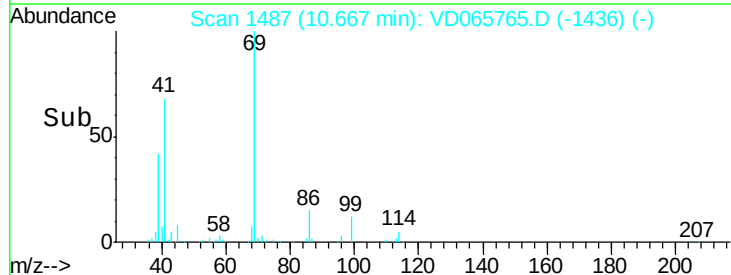
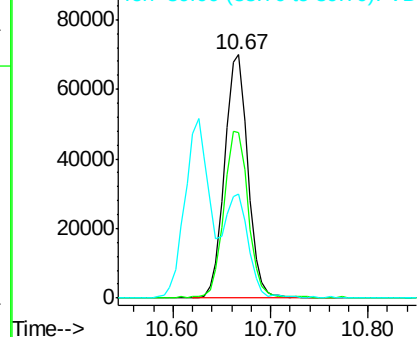


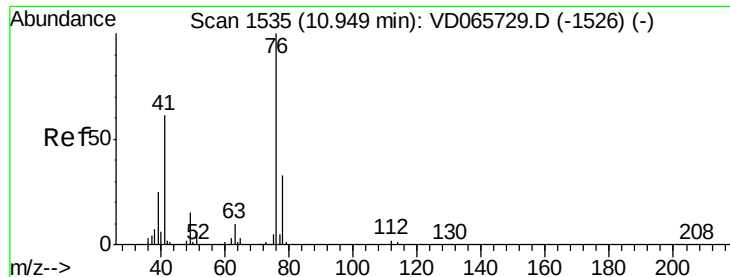
#56
 Ethyl methacrylate
 Concen: 50.976 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 69 Resp: 116047
 Ion Ratio Lower Upper
 69 100
 41 70.6 55.7 83.5
 39 39.7 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: 52.888 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

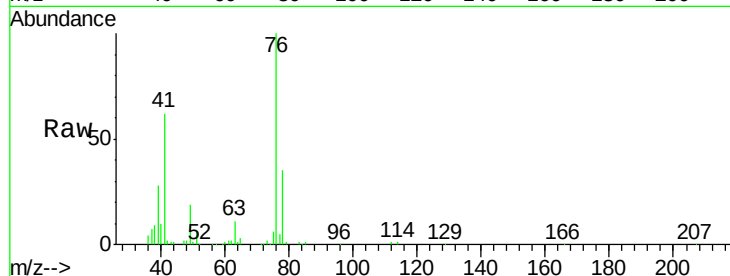
ClientSampleId :

Tot Ion: 76 Resp: 160675

Ion Ratio Lower Upper

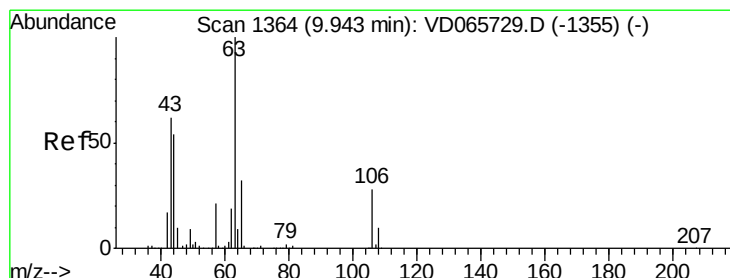
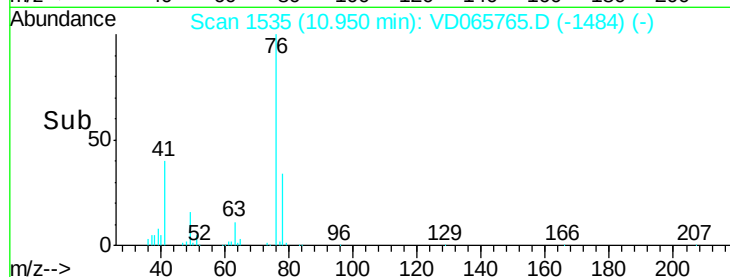
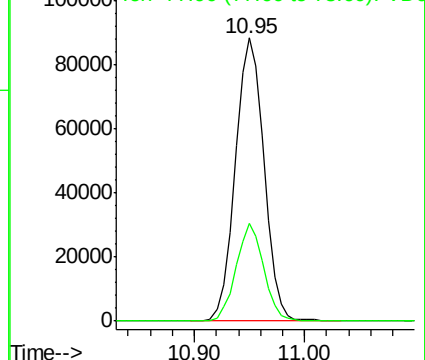
76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 273.348 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065765.D

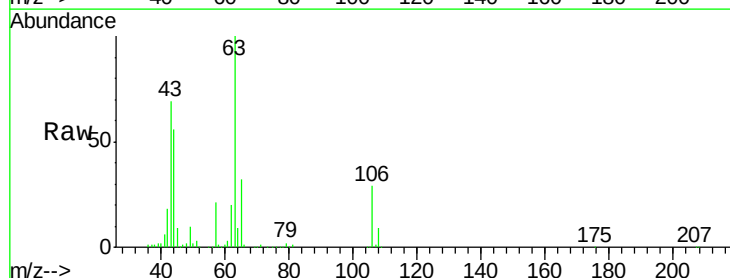
Acq: 26 May 2020 16:39

Tgt Ion: 63 Resp: 289508

Ion Ratio Lower Upper

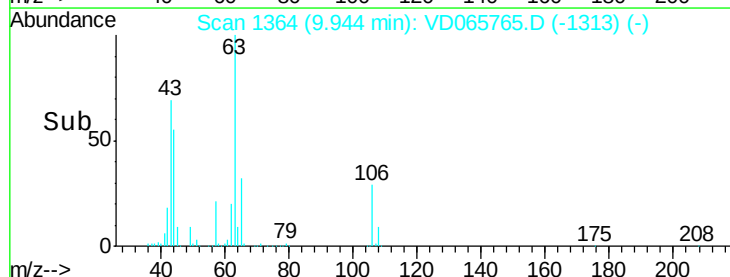
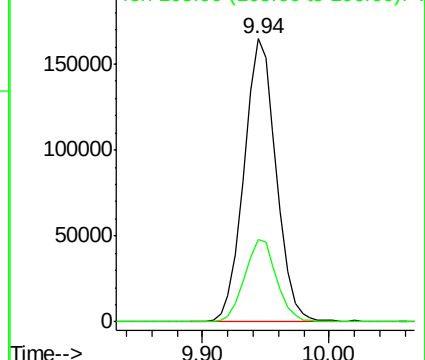
63 100

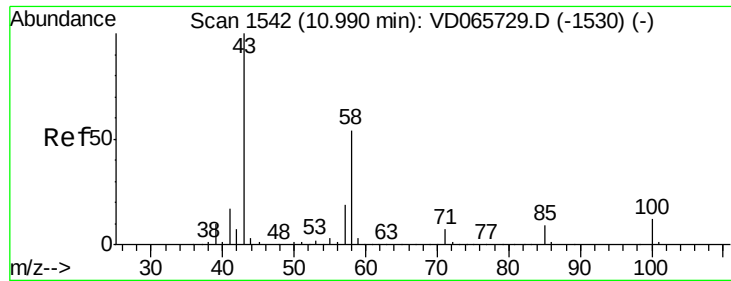
106 29.1 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

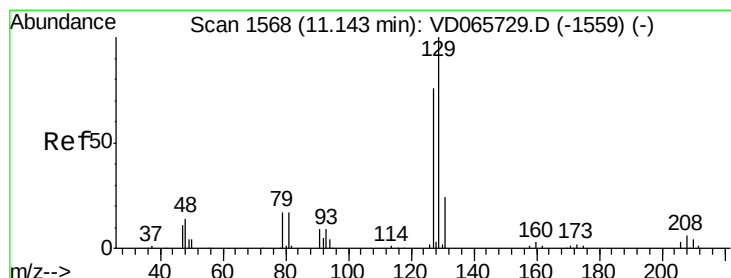
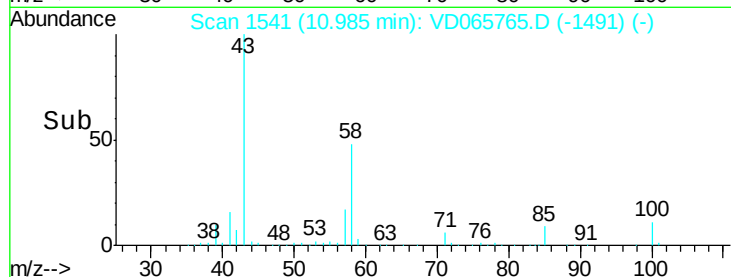
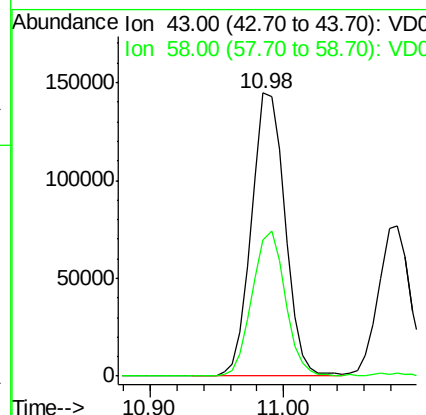
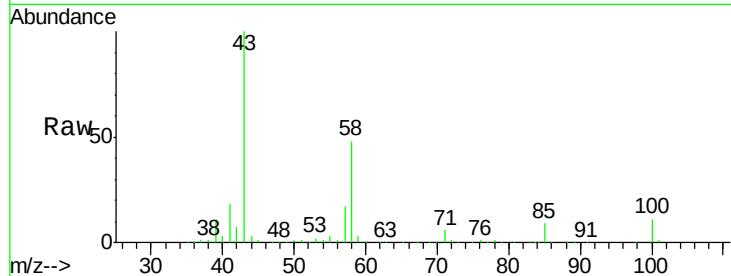




#59
2-Hexanone
Concen: 259.150 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

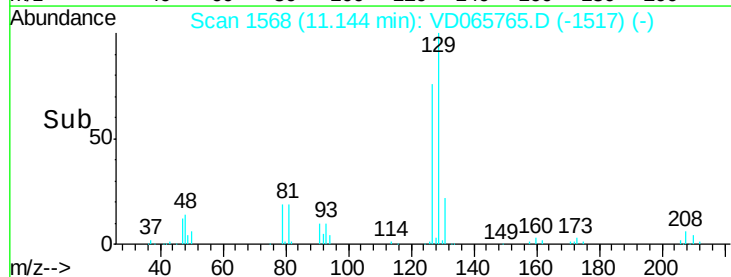
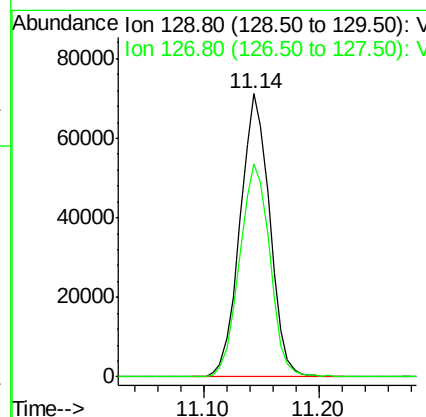
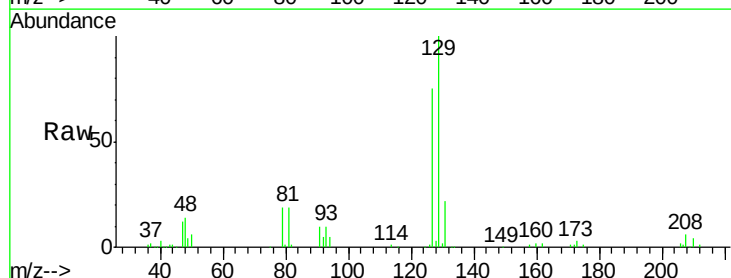
Instrument :
MSVOA_D
ClientSampleId :

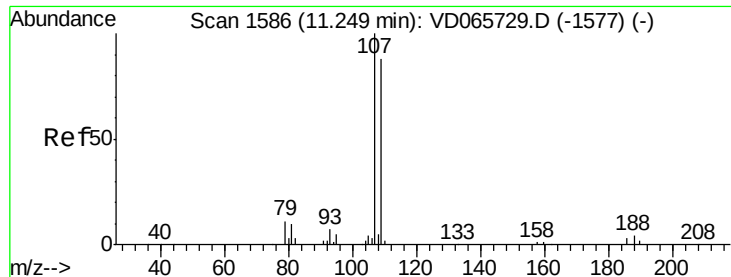
Tot Ion: 43 Resp: 251499
Ion Ratio Lower Upper
43 100
58 50.7 26.7 80.1



#60
Dibromochloromethane
Concen: 54.137 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 129 Resp: 126627
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

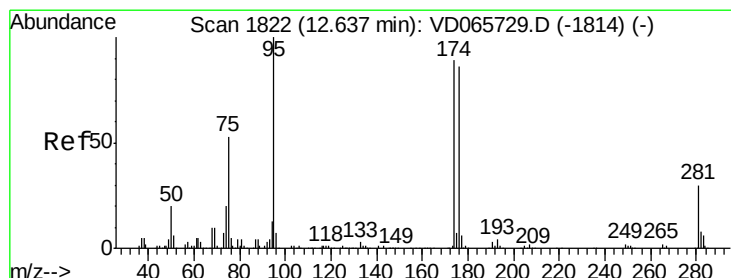
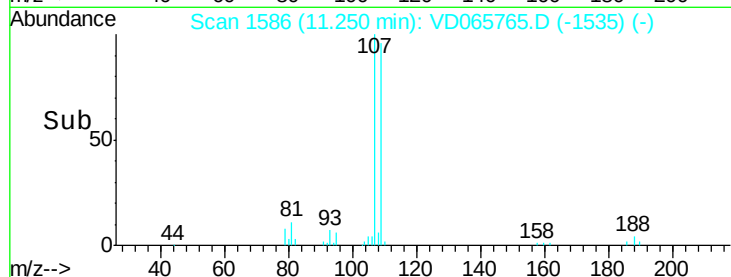
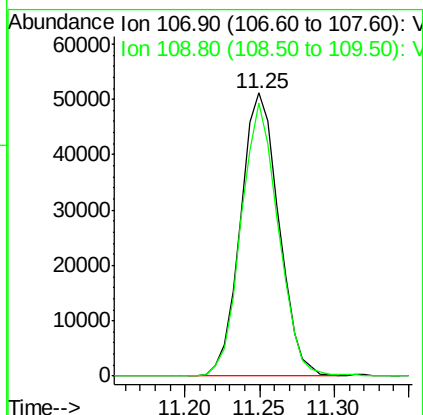
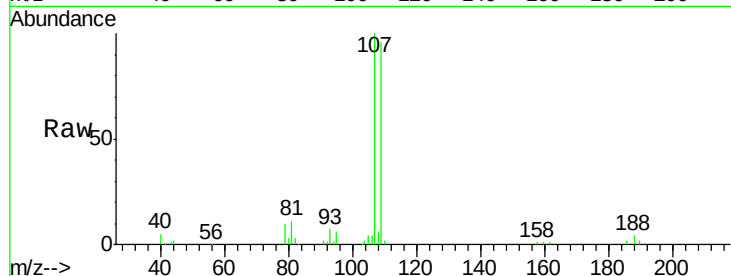




#61
 1,2-Dibromoethane
 Concen: 52.112 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

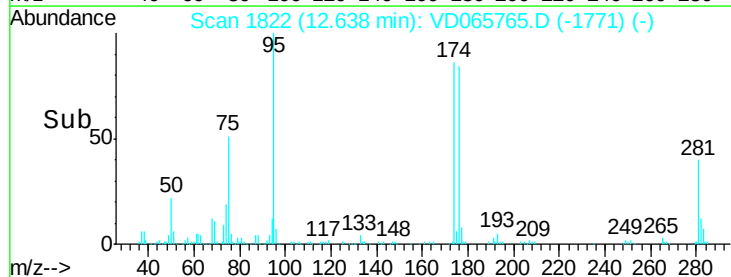
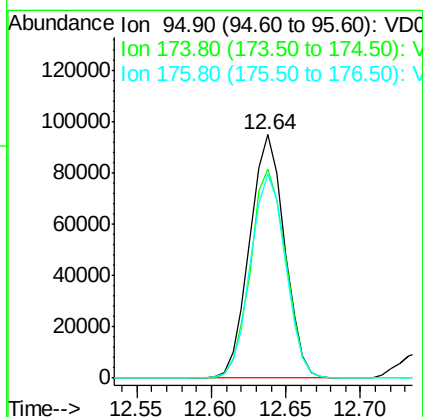
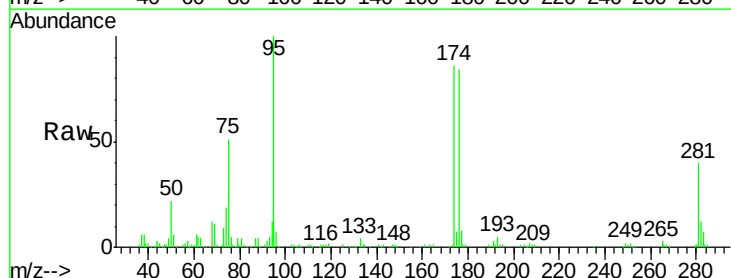
Instrument :
 MSVOA_D
 ClientSampled :

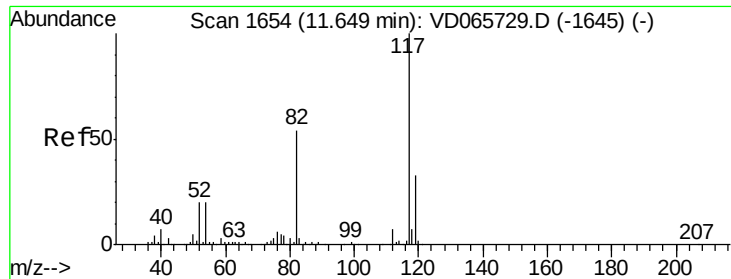
Tot Ion:107 Resp: 90908
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.075 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 95 Resp: 153613
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 179.4
 176 84.0 0.0 174.0

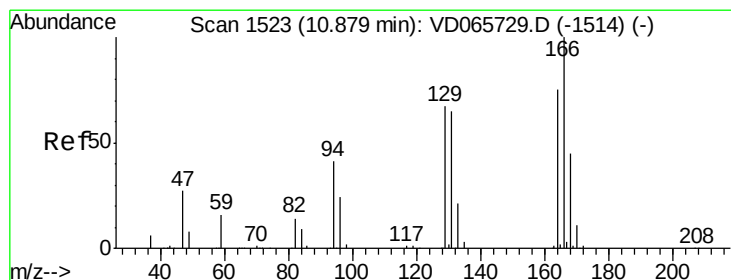
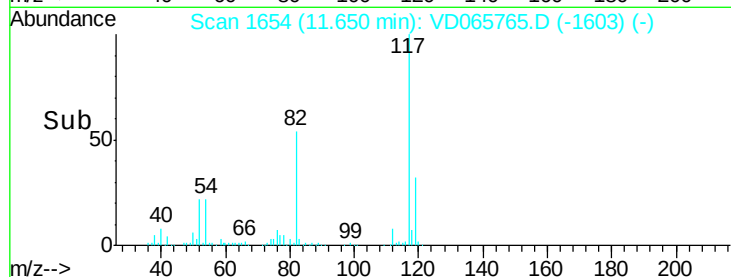
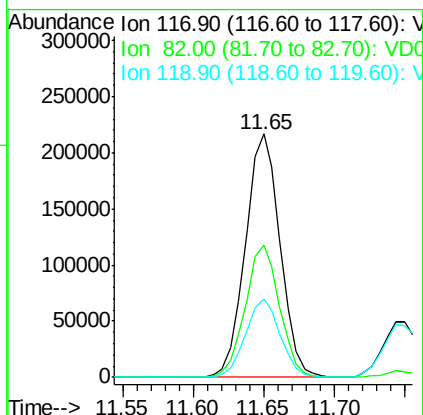
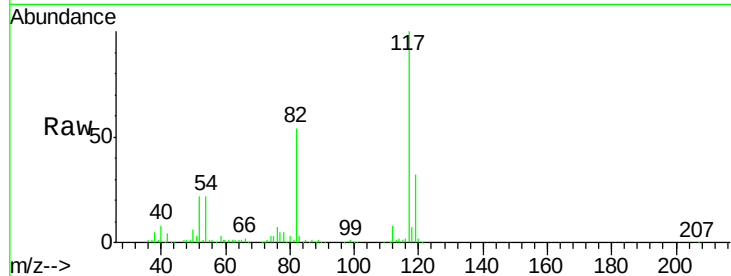




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

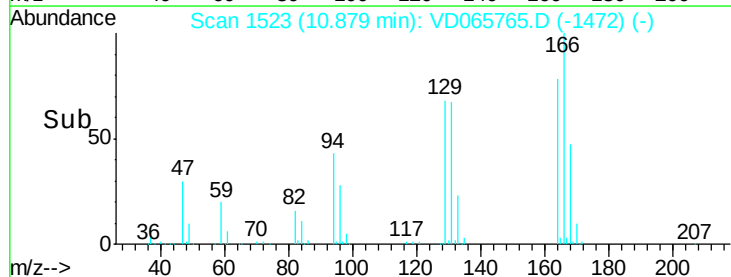
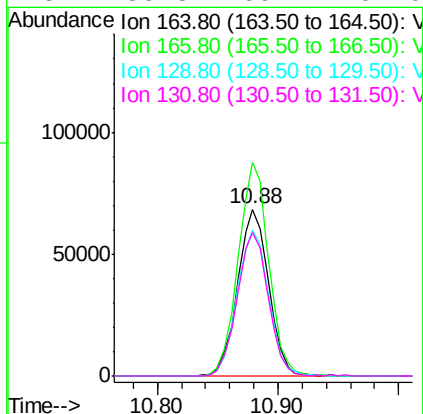
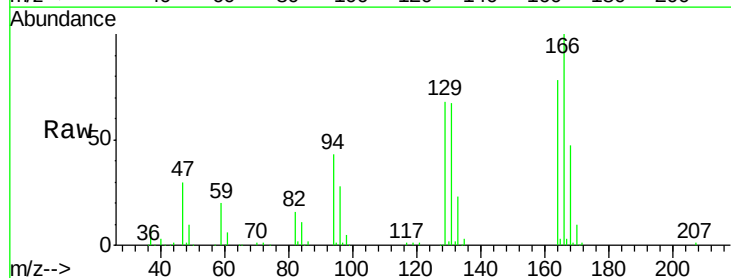
Instrument :
MSVOA_D
ClientSampleId :

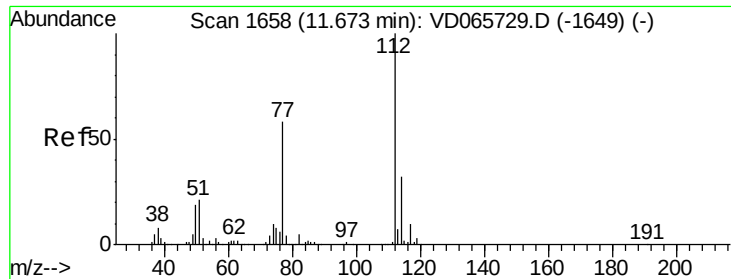
Tot Ion:117 Resp: 372501
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.6
119 32.2 26.6 40.0



#64
Tetrachloroethene
Concen: 47.689 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion:164 Resp: 122835
Ion Ratio Lower Upper
164 100
166 128.0 106.6 159.8
129 87.2 71.4 107.2
131 85.8 69.4 104.0

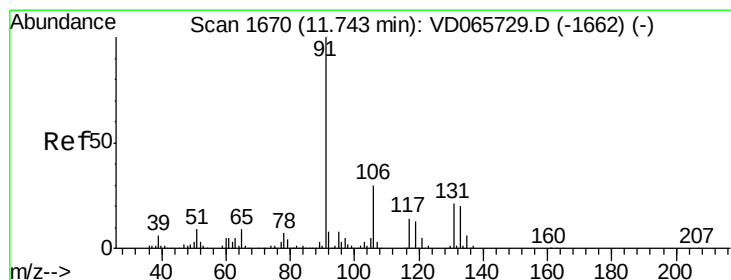
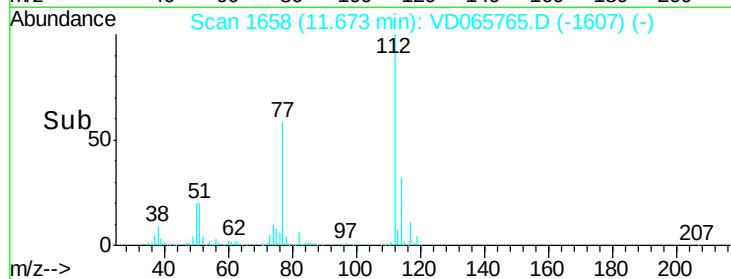
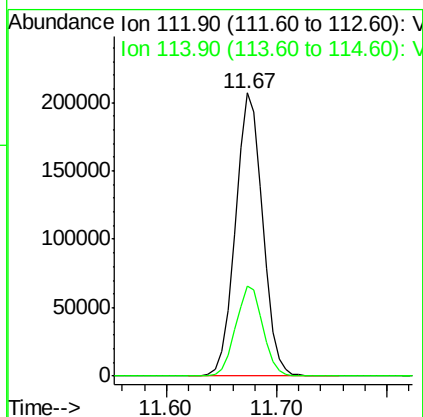
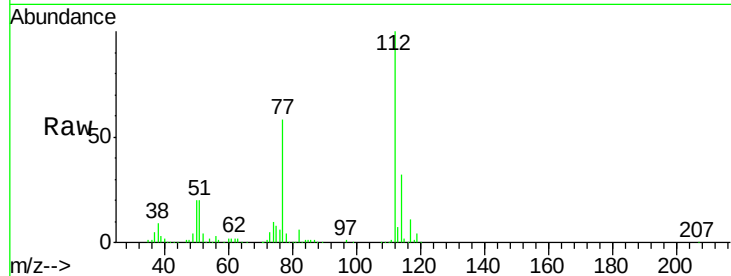




#65
Chlorobenzene
Concen: 50.890 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

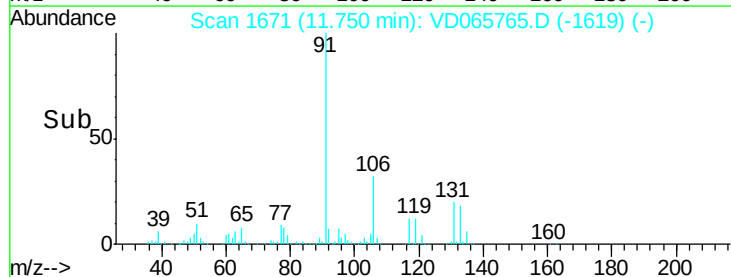
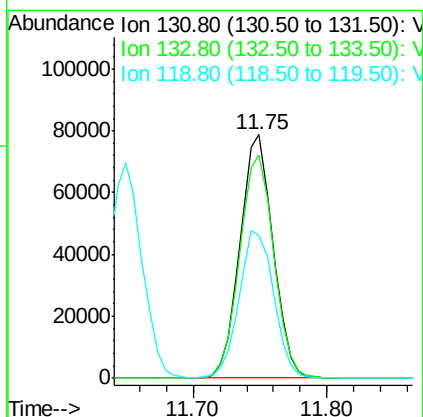
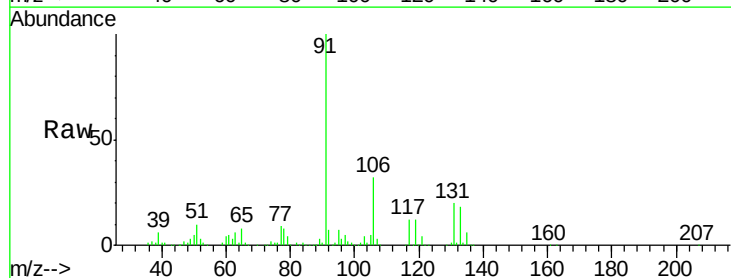
Instrument :
MSVOA_D
ClientSampleId :

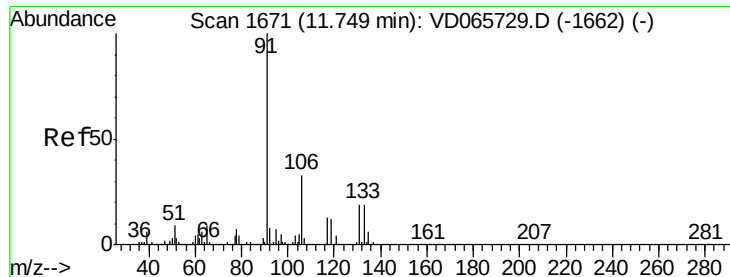
Tot Ion:112 Resp: 357216
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.270 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion:131 Resp: 134740
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 63.5 31.6 95.0





#67

Ethyl Benzene

Concen: 51.254 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

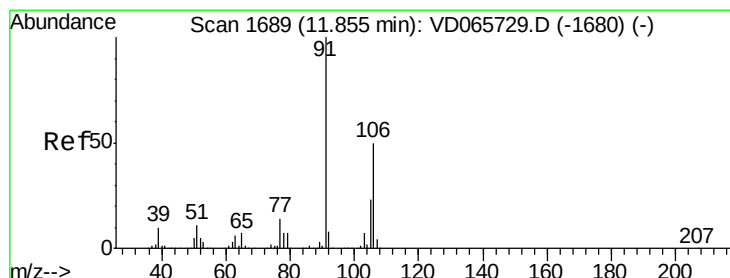
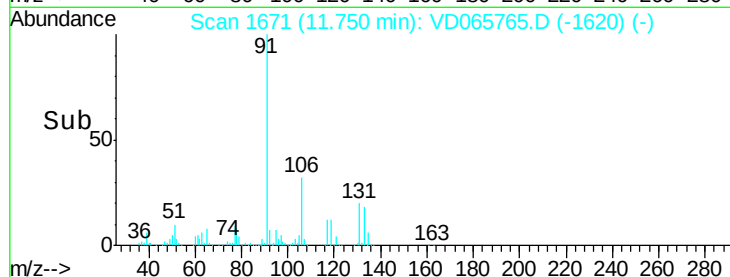
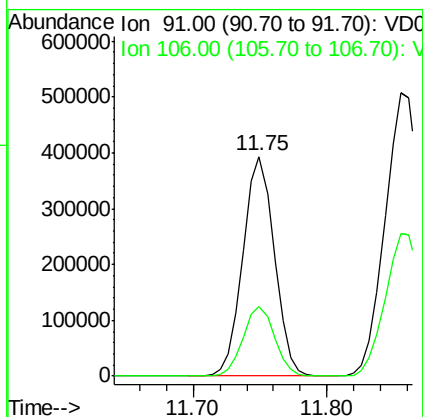
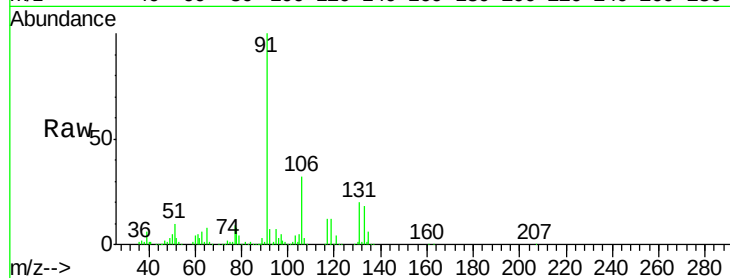
ClientSampled :

Tot Ion: 91 Resp: 641501

Ion Ratio Lower Upper

91 100

106 31.7 26.6 40.0



#68

m/p-Xylenes

Concen: 103.371 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065765.D

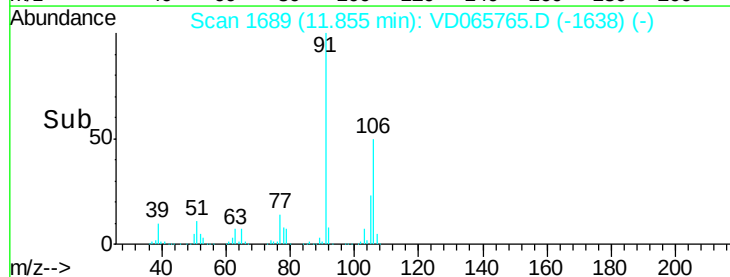
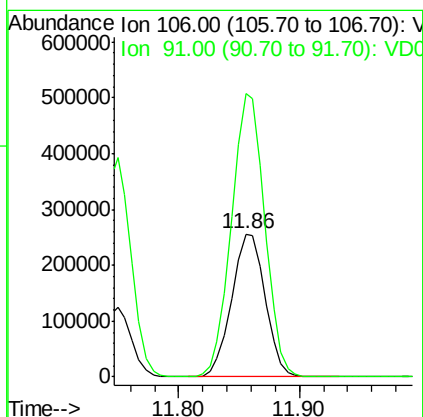
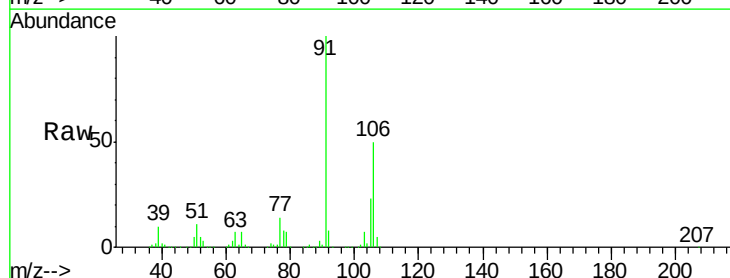
Acq: 26 May 2020 16:39

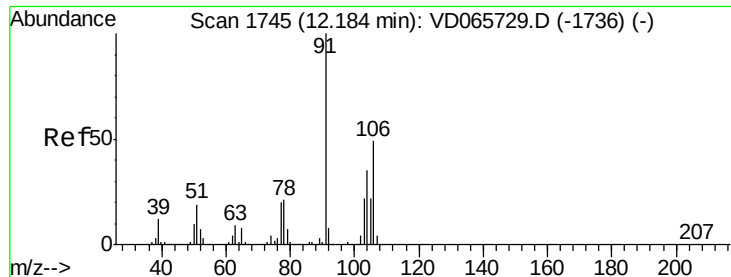
Tgt Ion: 106 Resp: 494146

Ion Ratio Lower Upper

106 100

91 197.1 158.7 238.1

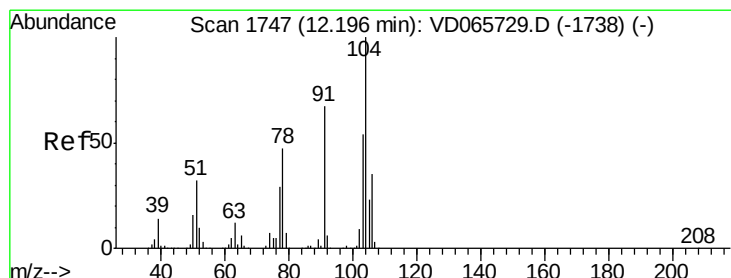
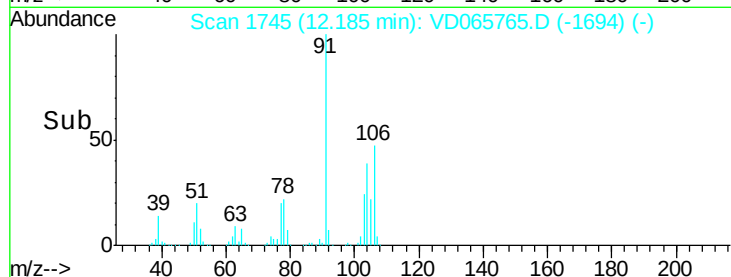
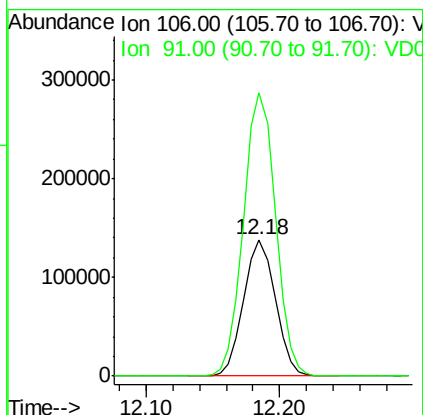
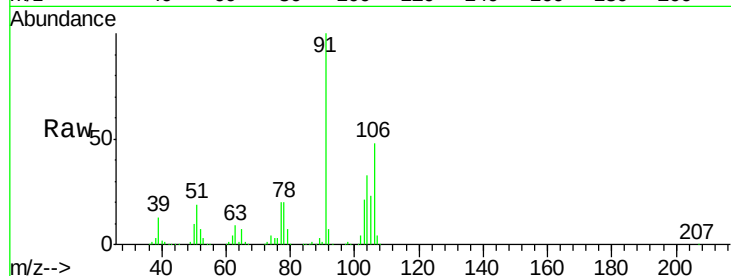




#69
o-Xylene
Concen: 51.104 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

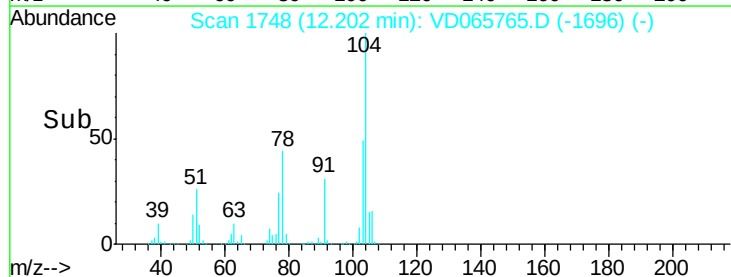
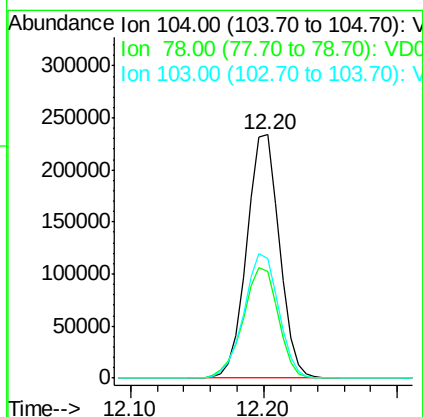
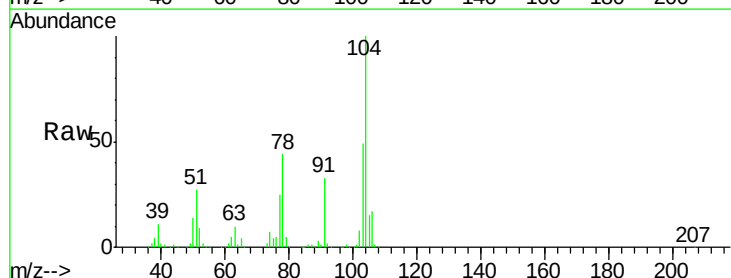
Instrument :
MSVOA_D
ClientSampleId :

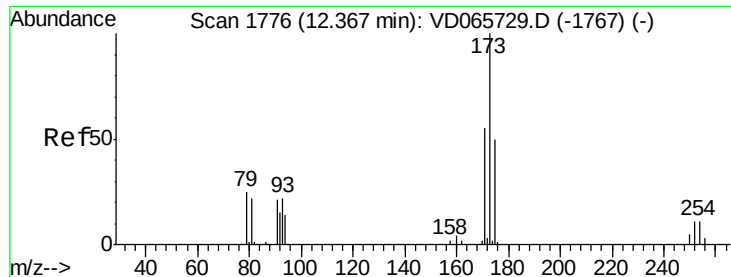
Tot Ion:106 Resp: 227418
Ion Ratio Lower Upper
106 100
91 209.7 101.8 305.4



#70
Styrene
Concen: 51.934 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion:104 Resp: 394413
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 54.6 44.0 66.0





#71

Bromoform

Concen: 50.053 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampled :

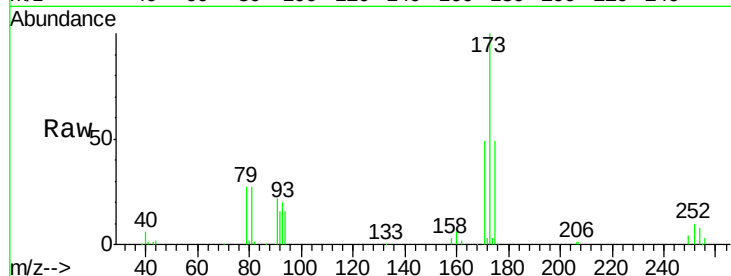
Tot Ion:173 Resp: 72600

Ion Ratio Lower Upper

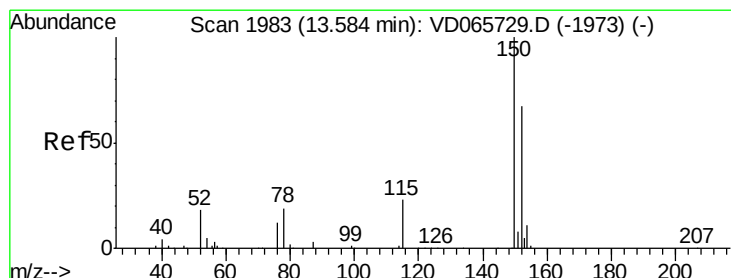
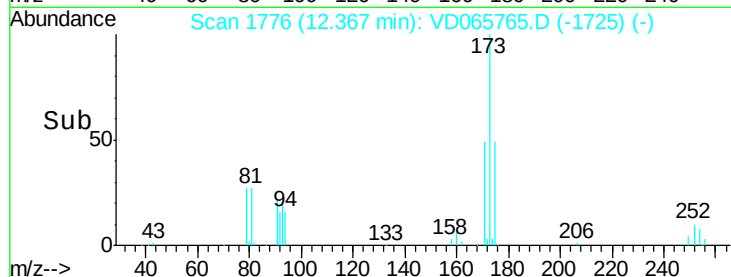
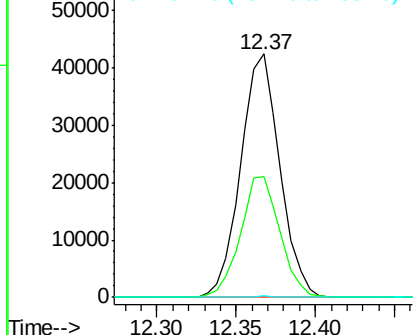
173 100

175 49.9 24.6 73.6

254 0.1 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: VD065765.D

Acq: 26 May 2020 16:39

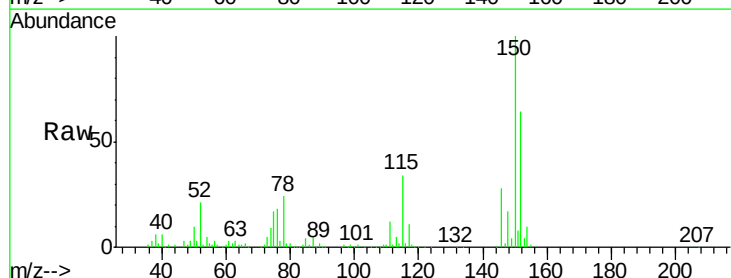
Tgt Ion:152 Resp: 187634

Ion Ratio Lower Upper

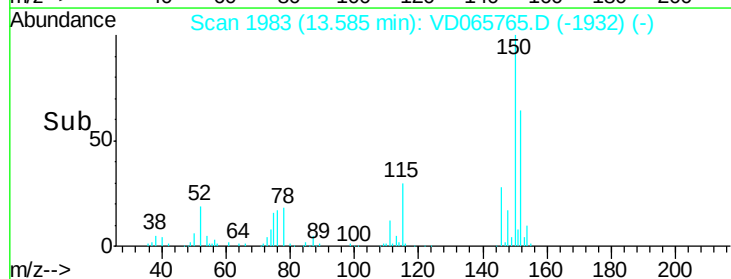
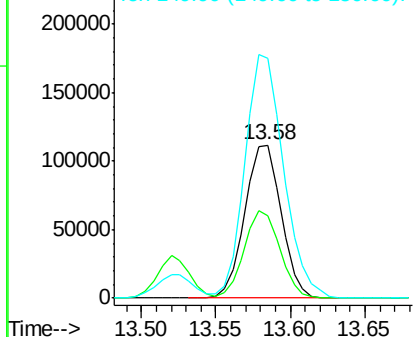
152 100

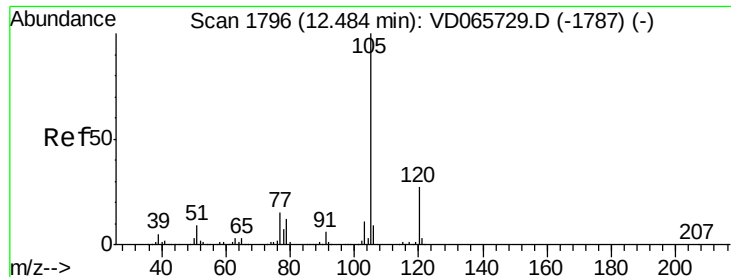
115 56.2 28.1 84.3

150 170.2 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: 49.329 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

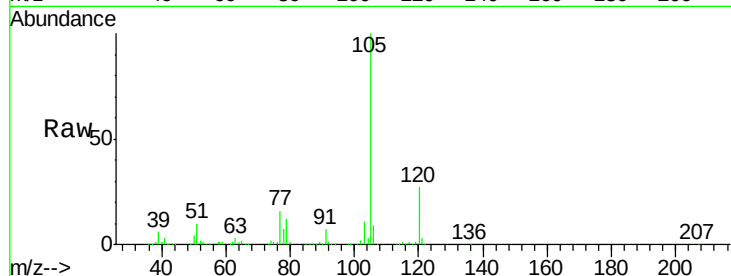
ClientSampleId :

Tot Ion:105 Resp: 621378

Ion Ratio Lower Upper

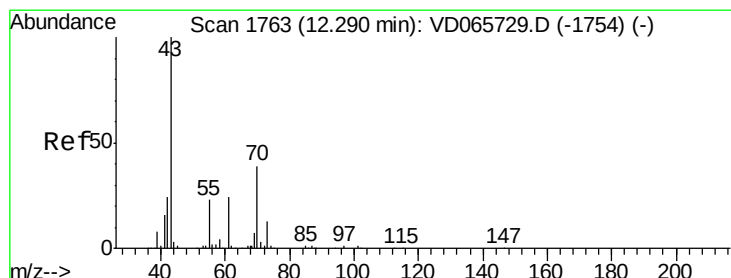
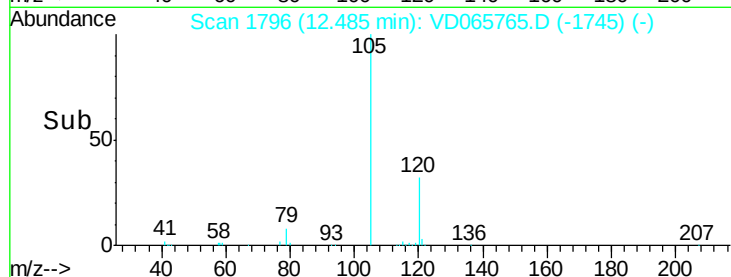
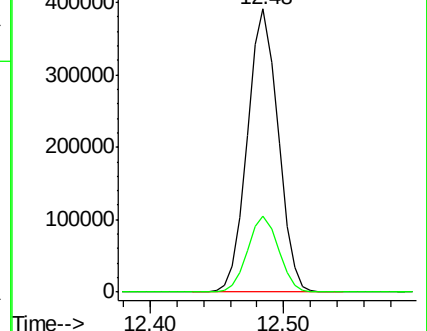
105 100

120 26.9 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: 47.048 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Tgt Ion: 43 Resp: 137601

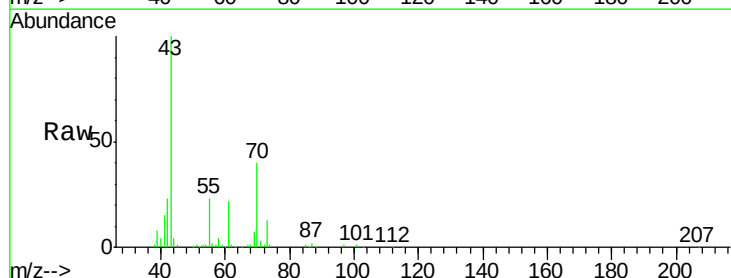
Ion Ratio Lower Upper

43 100

70 41.5 31.8 47.6

55 24.4 17.9 26.9

61 23.1 19.0 28.6

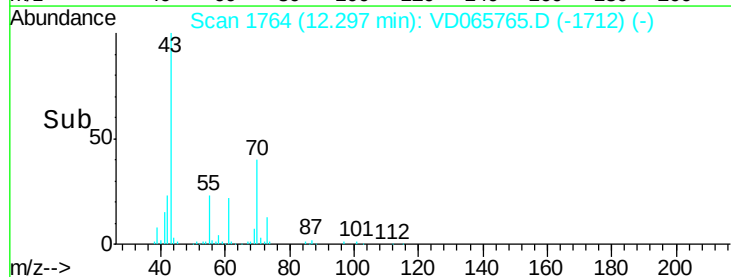
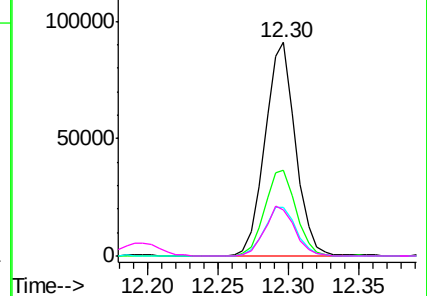


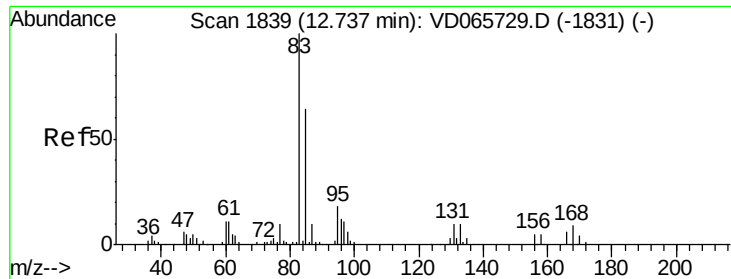
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.937 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

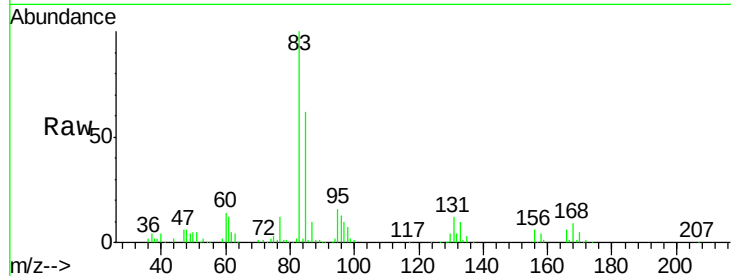
Tot Ion: 83 Resp: 101555

Ion Ratio Lower Upper

83 100

131 10.5 5.9 17.6

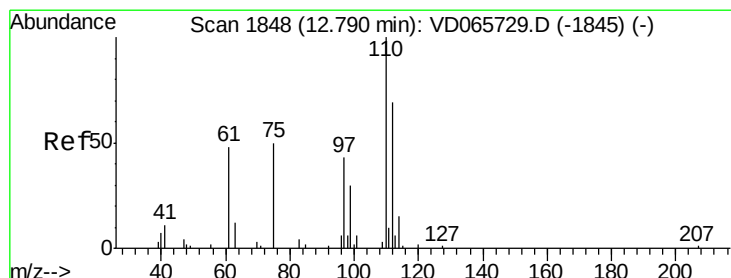
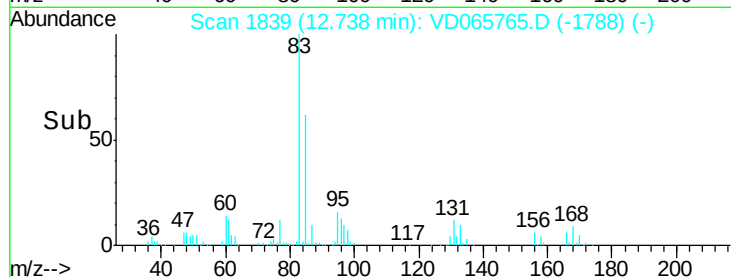
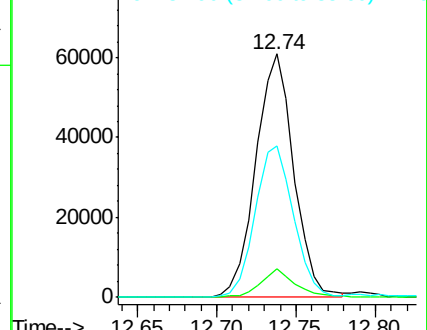
85 63.0 32.5 97.4



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: 96.662 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065765.D

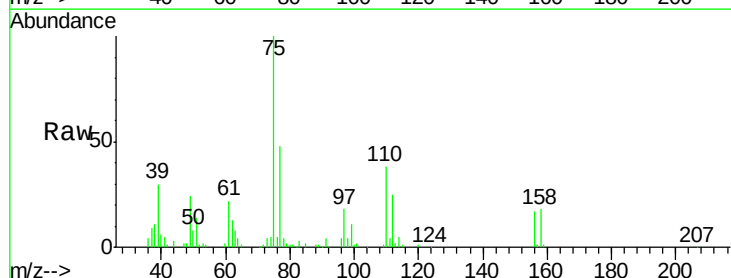
Acq: 26 May 2020 16:39

Tgt Ion: 75 Resp: 135358

Ion Ratio Lower Upper

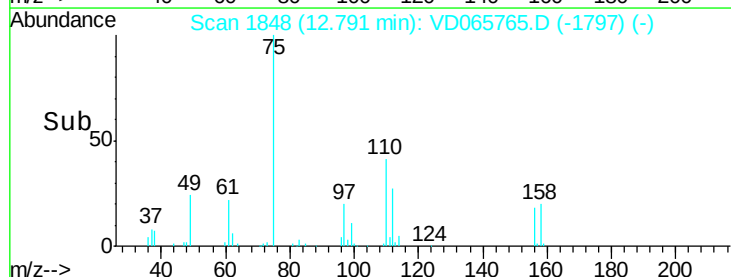
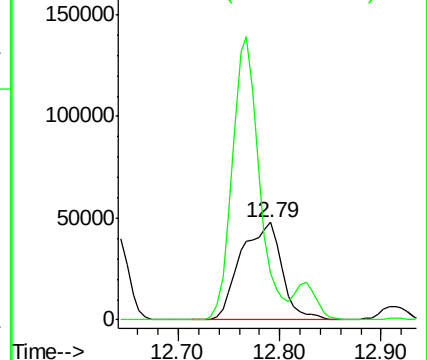
75 100

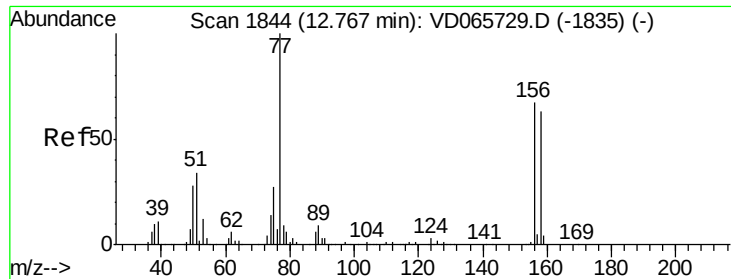
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.104 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

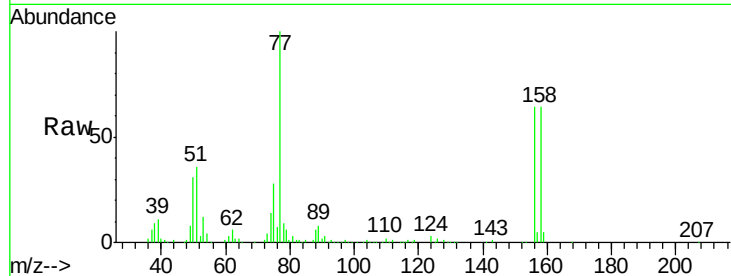
Tot Ion:156 Resp: 152127

Ion Ratio Lower Upper

156 100

77 169.3 84.9 254.6

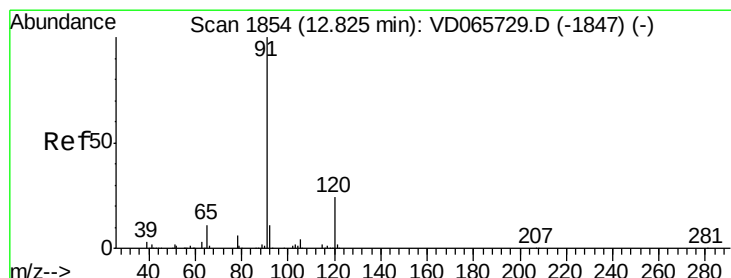
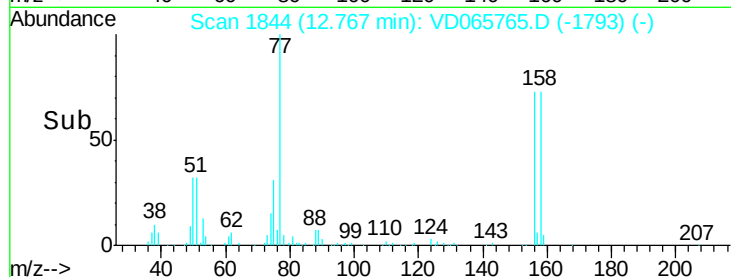
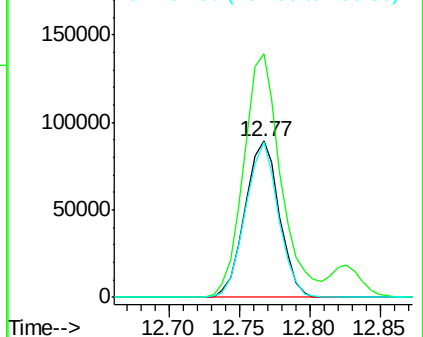
158 95.4 48.8 146.4



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: 50.137 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065765.D

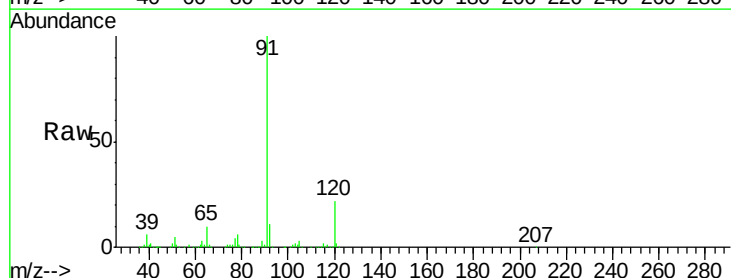
Acq: 26 May 2020 16:39

Tgt Ion: 91 Resp: 737747

Ion Ratio Lower Upper

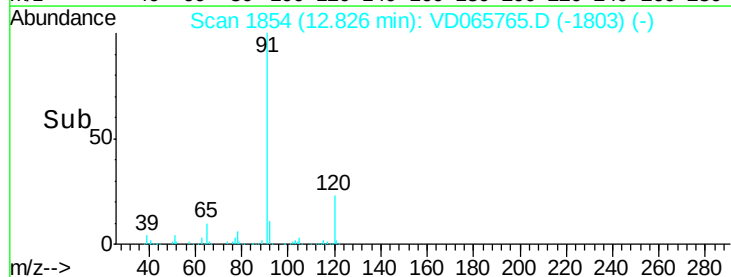
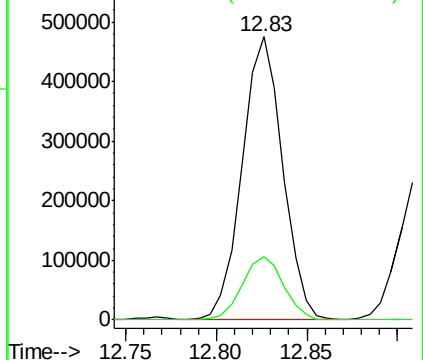
91 100

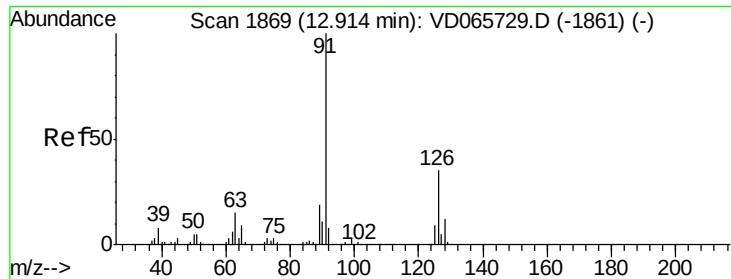
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

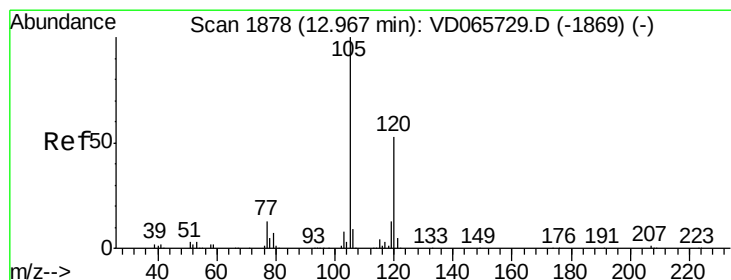
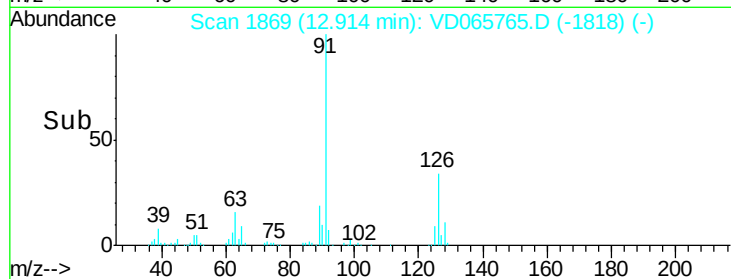
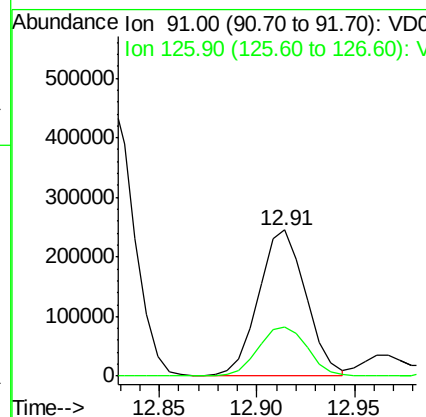
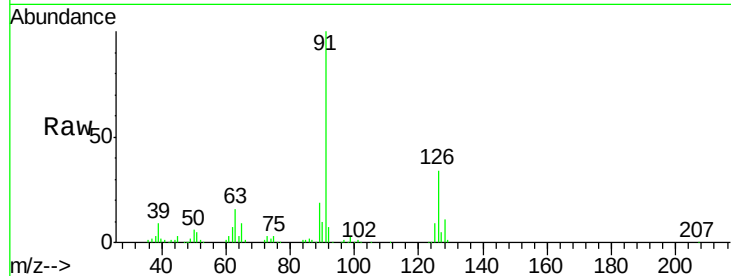




#79
 2-Chlorotoluene
 Concen: 50.364 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

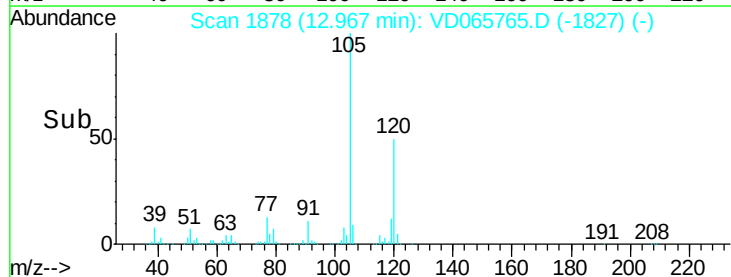
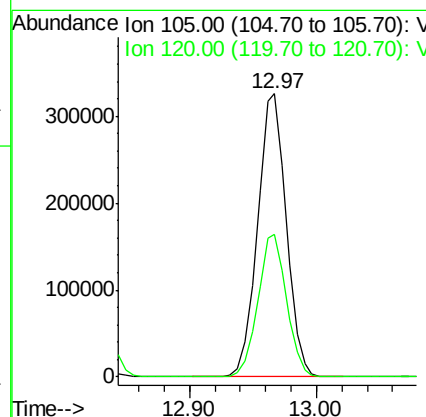
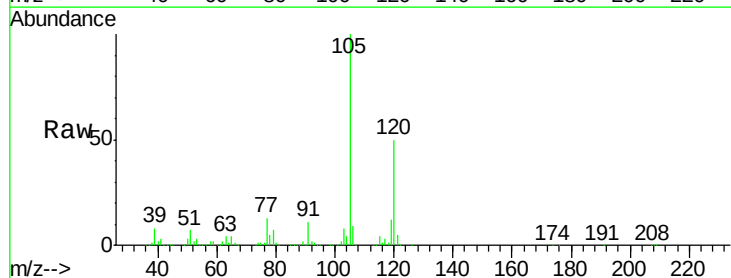
Instrument :
 MSVOA_D
 ClientSampleId :

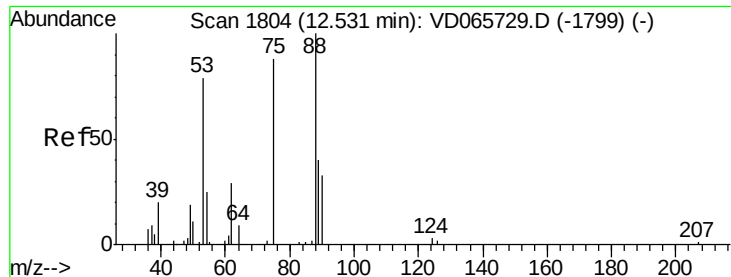
Tot Ion: 91 Resp: 410047
 Ion Ratio Lower Upper
 91 100
 126 35.1 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.543 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion: 105 Resp: 514218
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.183 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampled :

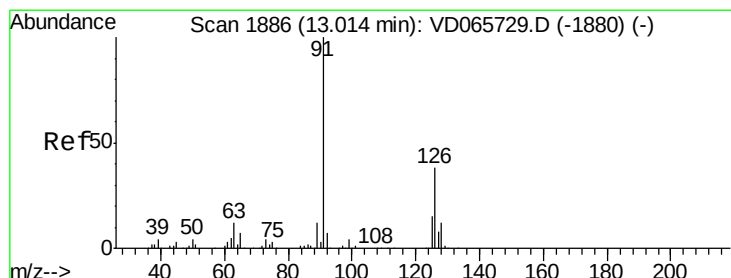
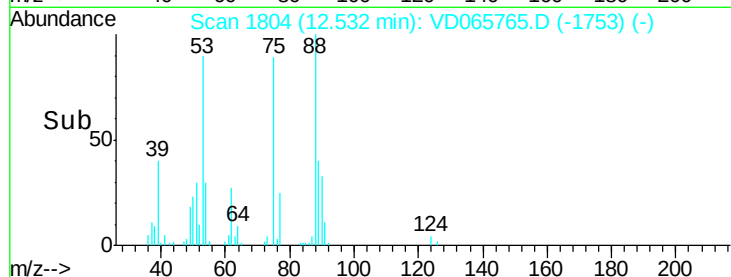
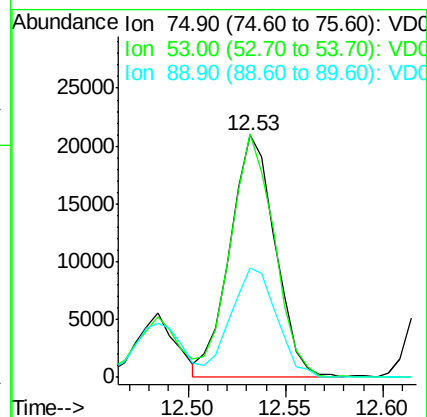
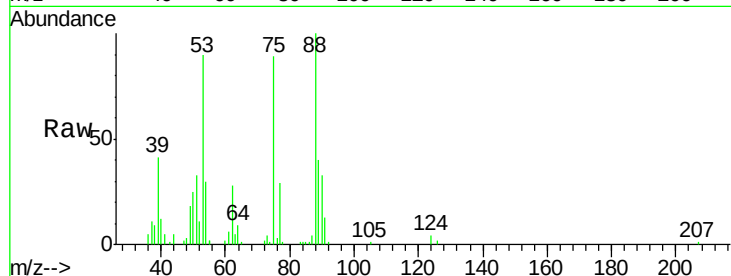
Tot Ion: 75 Resp: 33678

Ion Ratio Lower Upper

75 100

53 97.7 72.6 109.0

89 45.3 37.0 55.4



#82

4-Chlorotoluene

Concen: 50.184 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065765.D

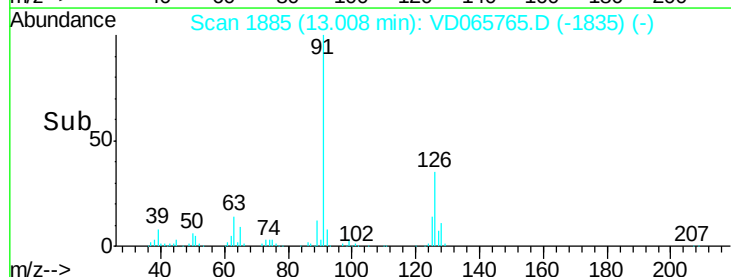
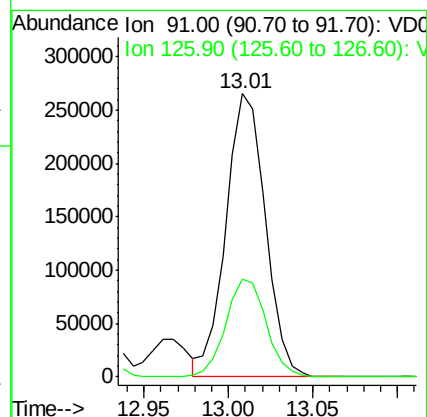
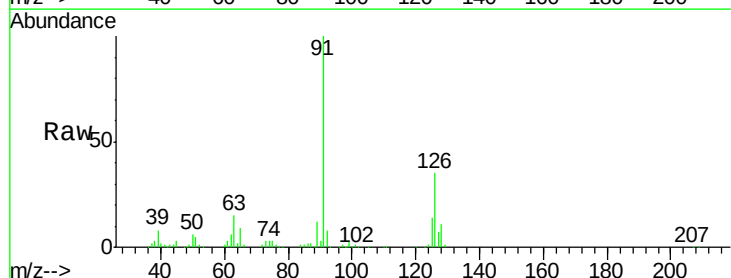
Acq: 26 May 2020 16:39

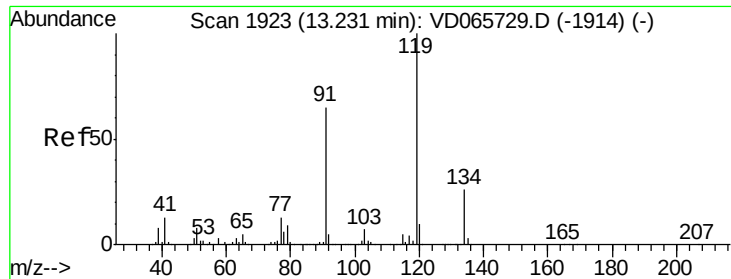
Tgt Ion: 91 Resp: 430759

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.3

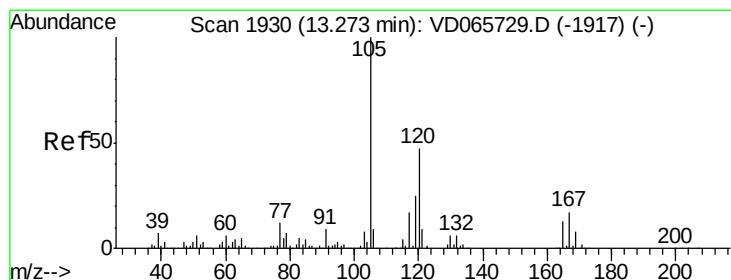
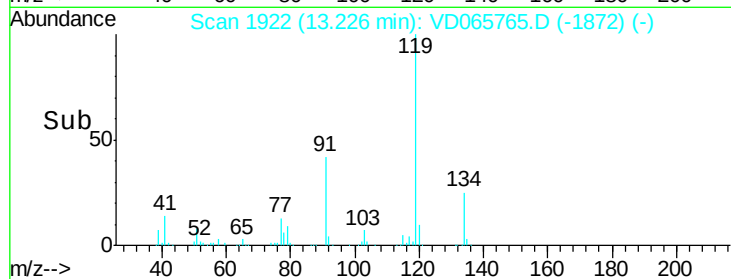
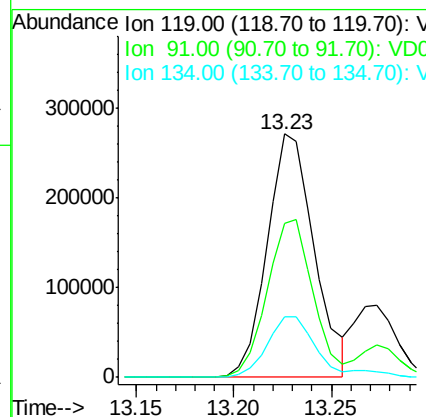
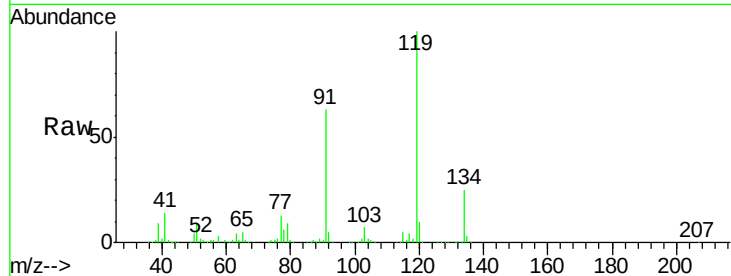




#83
 tert-Butylbenzene
 Concen: 49.301 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

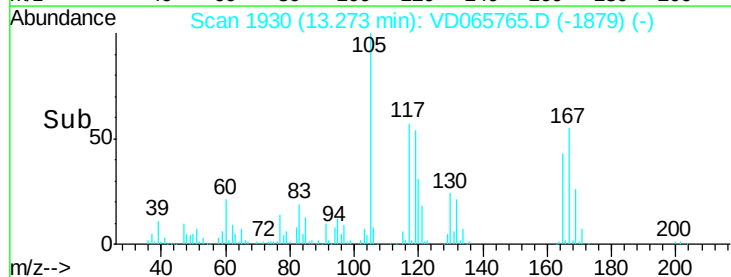
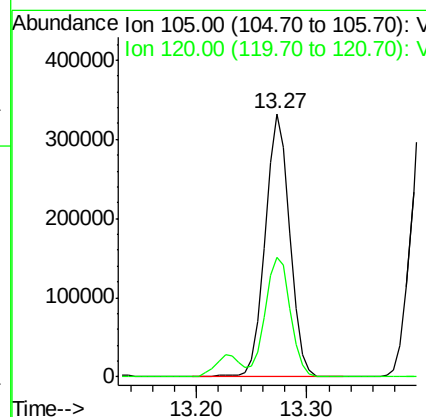
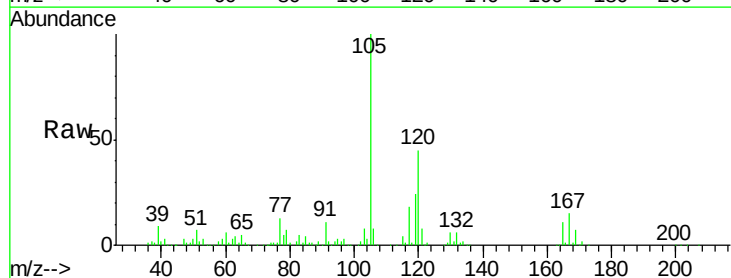
Instrument :
 MSVOA_D
 ClientSampleId :

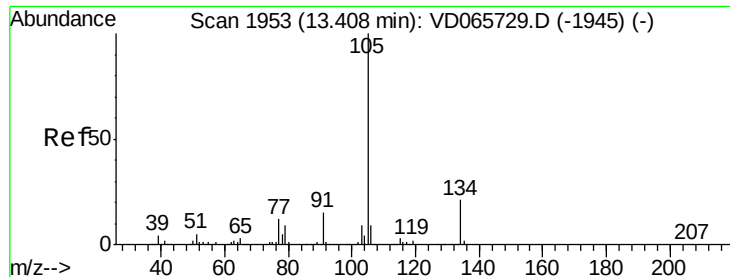
Tot Ion:119 Resp: 453745
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.6 95.0
 134 27.0 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.714 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion:105 Resp: 519103
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.6 70.8





#85

sec-Butylbenzene

Concen: 49.718 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

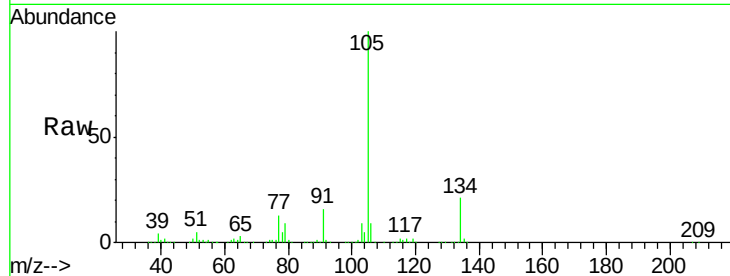
ClientSampled :

Tot Ion:105 Resp: 622640

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

400000

300000

200000

100000

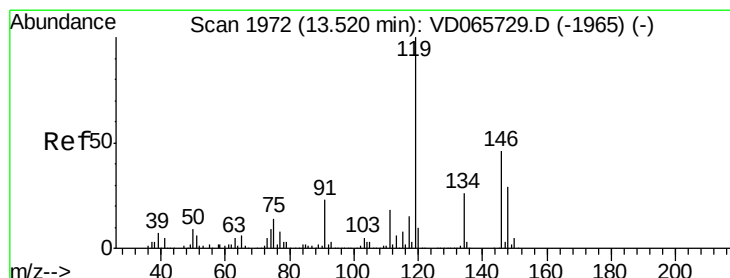
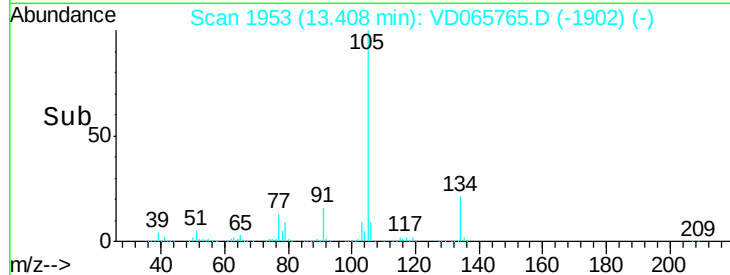
0

13.30

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 49.747 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

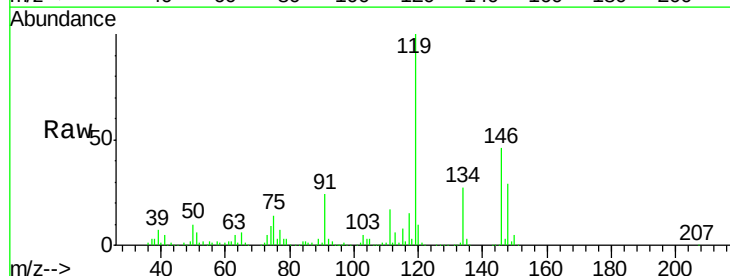
Tgt Ion:119 Resp: 572645

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.7

91 24.0 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

500000

400000

300000

200000

100000

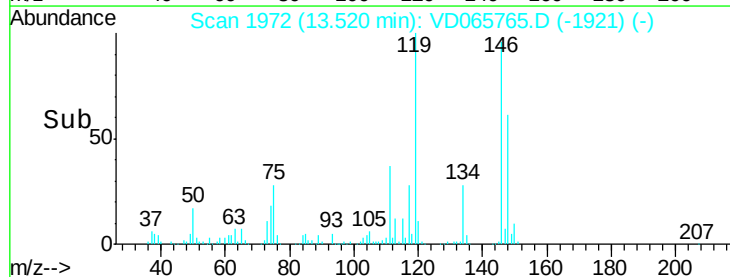
0

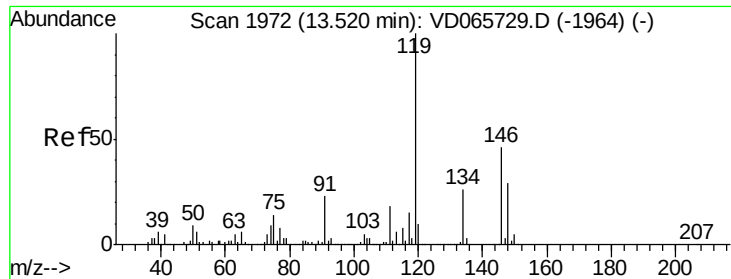
13.40

13.50

13.60

Time-->

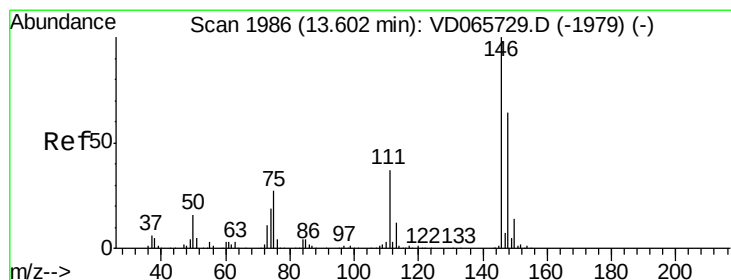
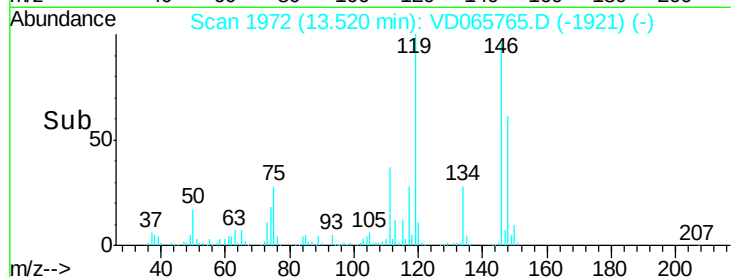
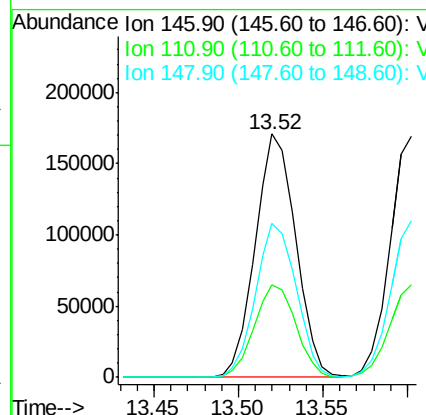
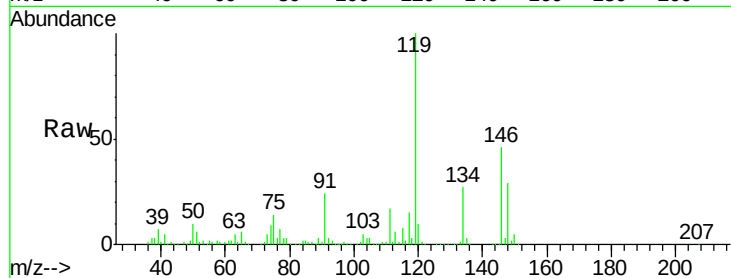




#87
 1,3-Dichlorobenzene
 Concen: 49.948 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

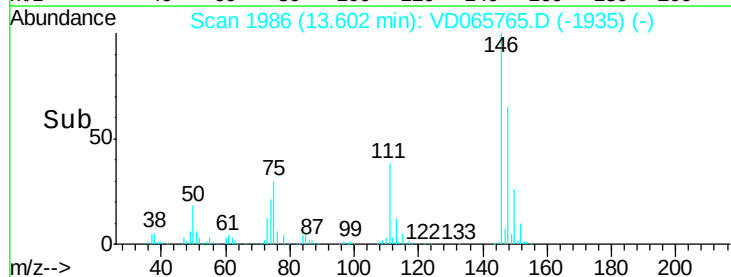
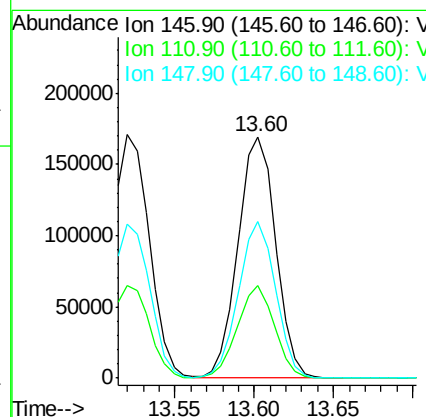
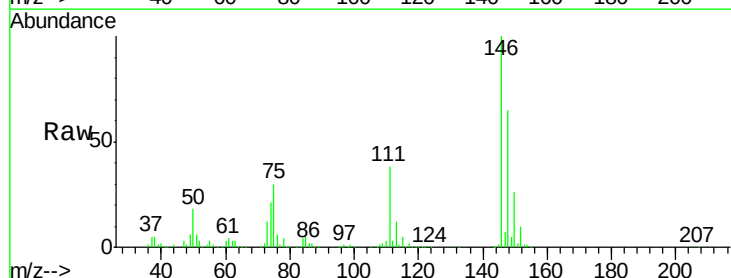
Instrument :
 MSVOA_D
 ClientSampleId :

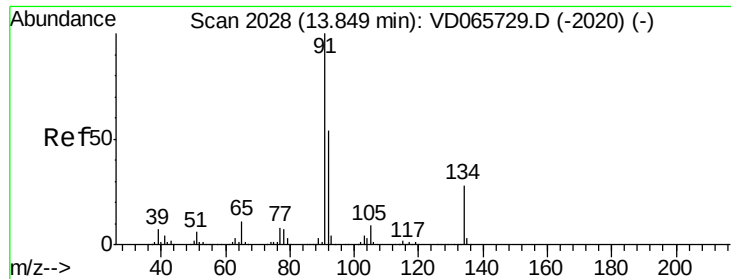
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	63.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.396 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.2
148	63.8	31.6	94.7

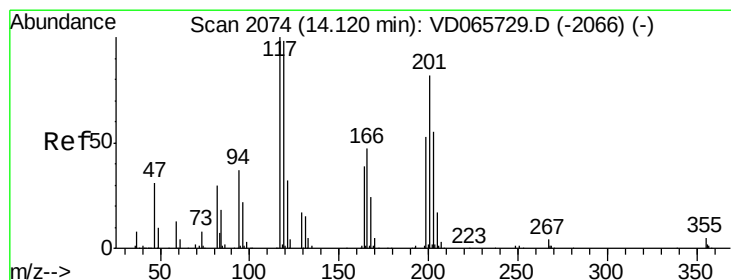
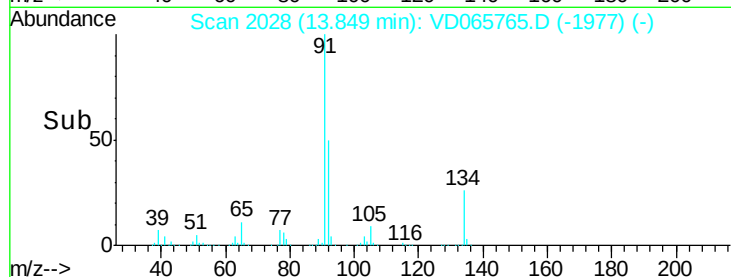
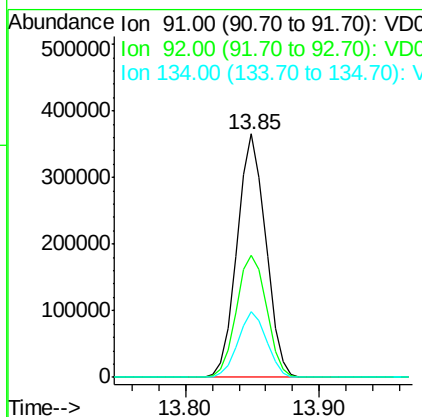
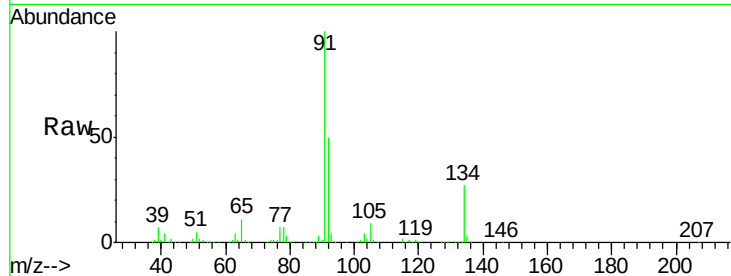




#89
n-Butylbenzene
Concen: 50.523 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

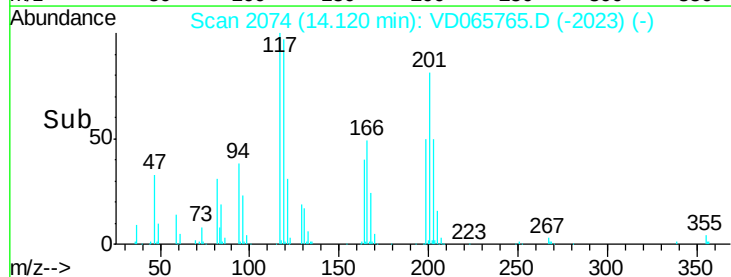
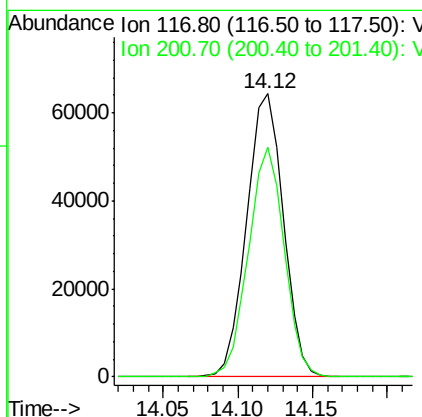
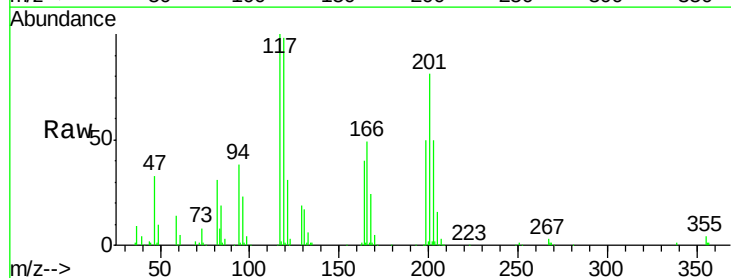
Instrument :
MSVOA_D
ClientSampled :

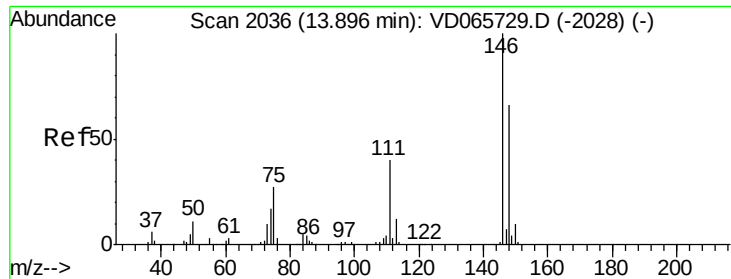
Tot Ion: 91 Resp: 543827
Ion Ratio Lower Upper
91 100
92 52.7 27.0 81.0
134 27.0 13.9 41.7



#90
Hexachloroethane
Concen: 48.612 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065765.D
Acq: 26 May 2020 16:39

Tgt Ion: 117 Resp: 109475
Ion Ratio Lower Upper
117 100
201 79.0 41.8 125.4

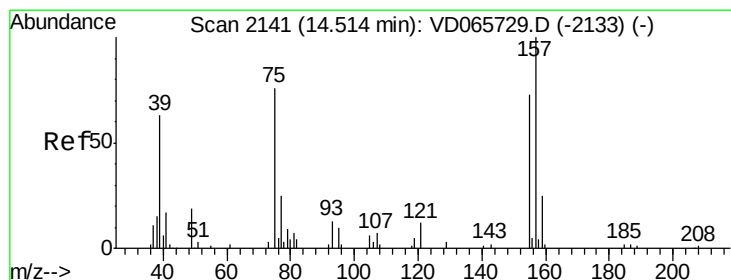
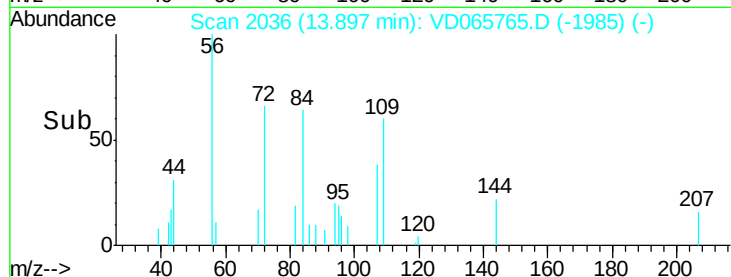
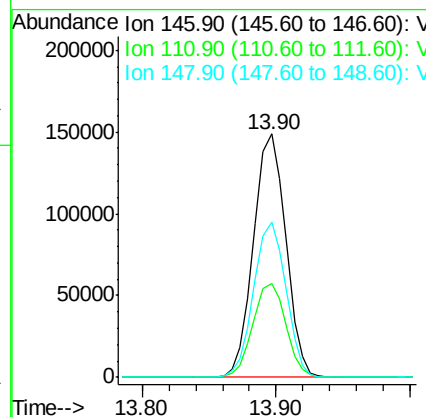
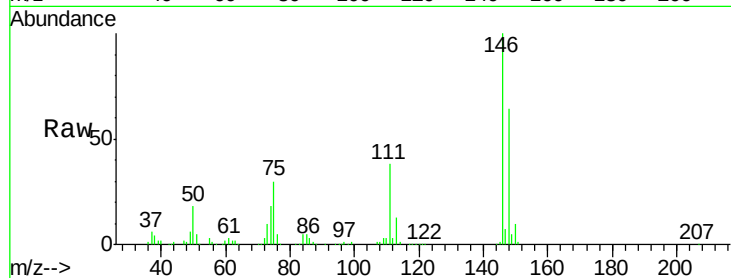




#91
 1,2-Dichlorobenzene
 Concen: 50.432 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

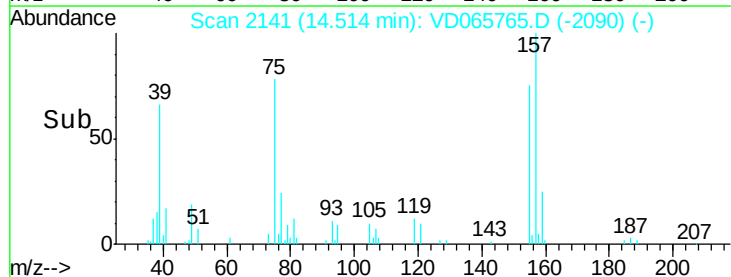
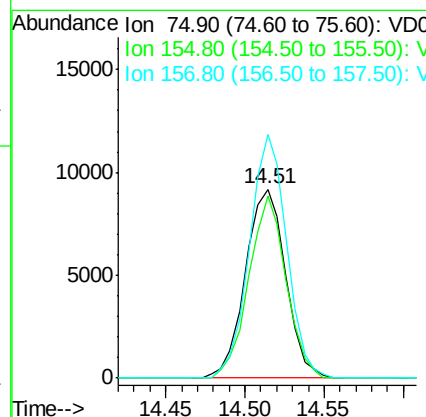
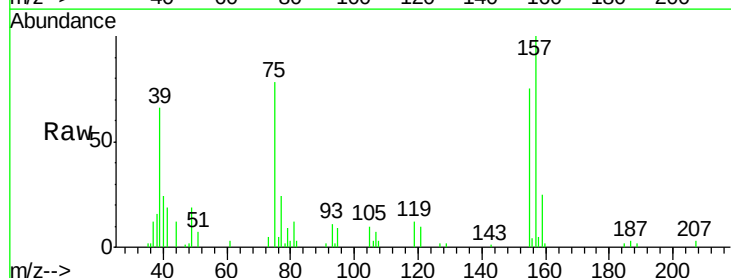
Instrument :
 MSVOA_D
 ClientSampleId :

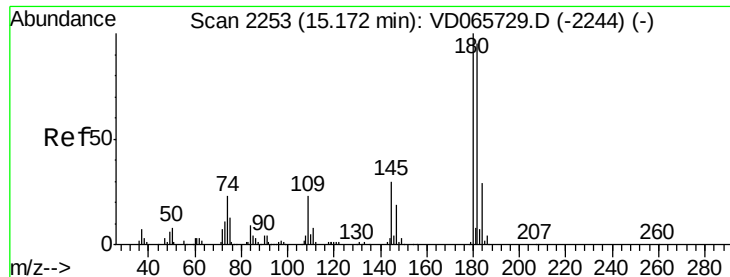
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.9	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.605 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	48.4	145.0
157	119.2	62.6	187.8

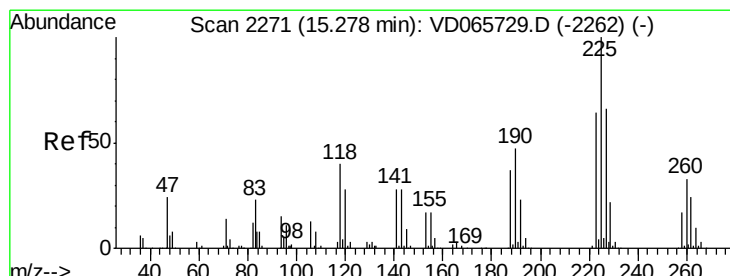
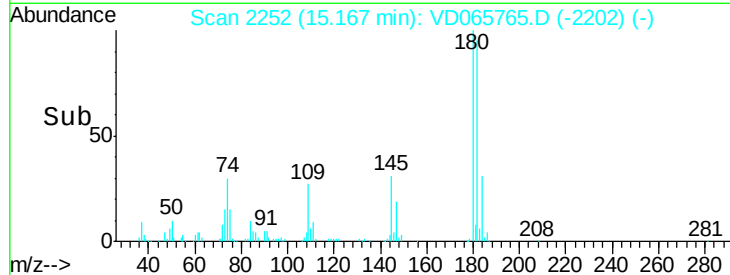
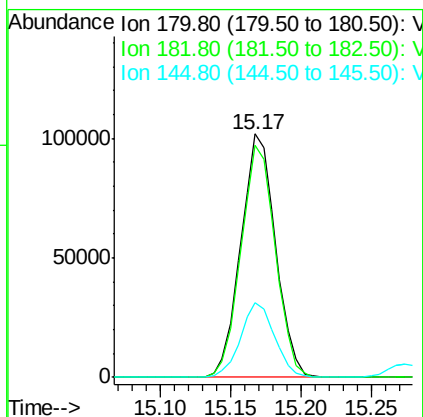
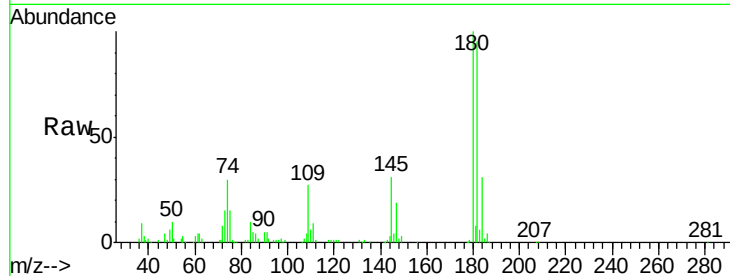




#93
 1,2,4-Trichlorobenzene
 Concen: 46.769 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

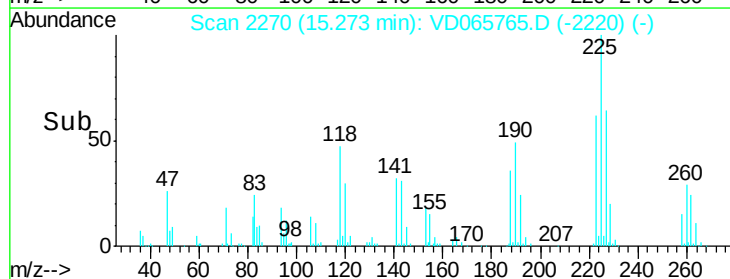
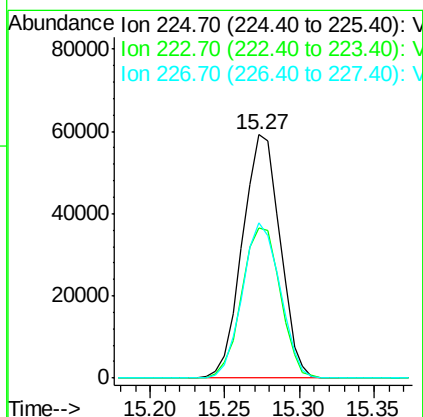
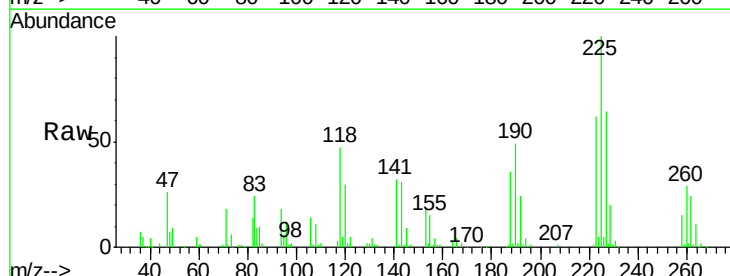
Instrument :
 MSVOA_D
 ClientSampleId :

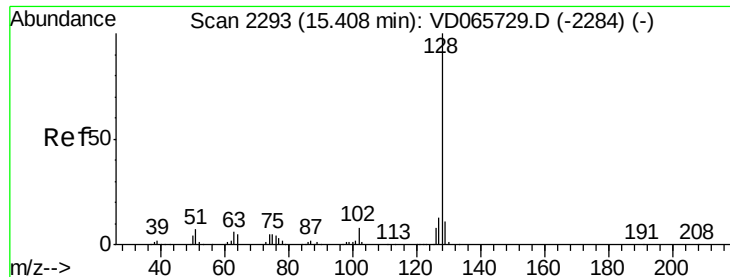
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	30.0	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 46.043 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD065765.D
 Acq: 26 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	63.8	32.2	96.6





#95

Naphthalene

Concen: 47.390 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

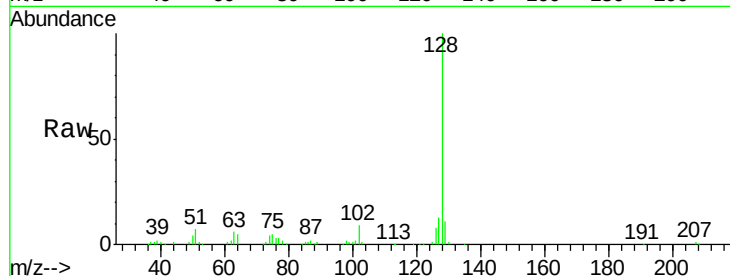
Tot Ion:128 Resp: 295360

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

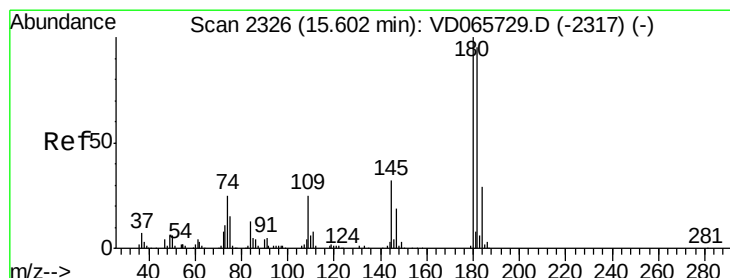
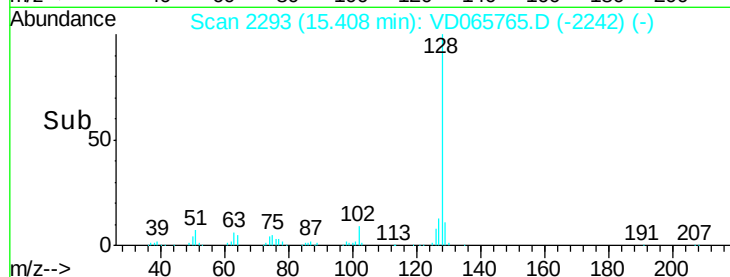
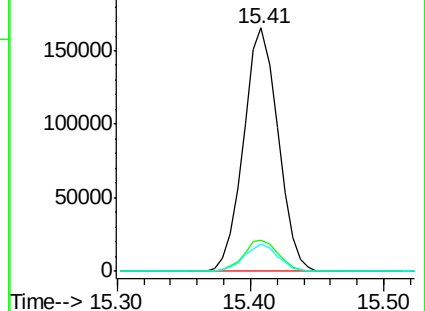
129 10.8 8.8 13.2



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: 47.240 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065765.D

Acq: 26 May 2020 16:39

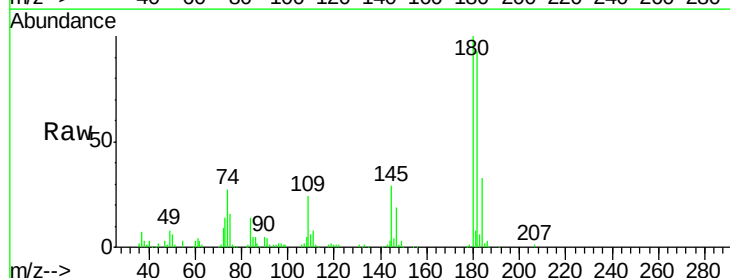
Tgt Ion:180 Resp: 150924

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 31.3 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

