

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065521.D
 Acq On : 24 Mar 2020 16:00
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 25 02:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	424282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	620602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	571998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	183884	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.92	113	198035	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.34	98	735075	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	242126	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76759	21.051	ug/l	99
3) Chloromethane	2.21	50	95191	21.623	ug/l	98
4) Vinyl Chloride	2.35	62	95156	21.914	ug/l	100
5) Bromomethane	2.77	94	62357	23.049	ug/l	90
6) Chloroethane	2.93	64	59095	22.221	ug/l	98
7) Trichlorofluoromethane	3.27	101	140132	21.902	ug/l	98
8) Diethyl Ether	3.70	74	43179	22.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93945	22.798	ug/l	97
10) Methyl Iodide	4.30	142	96063	22.439	ug/l	97
11) Tert butyl alcohol	5.24	59	20976	100.479	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	85641	21.704	ug/l	91
13) Acrolein	3.92	56	25326	70.344	ug/l	100
14) Allyl chloride	4.71	41	126202	20.820	ug/l	98
15) Acrylonitrile	5.43	53	94842	114.576	ug/l	99
16) Acetone	4.17	43	78513	106.668	ug/l	99
17) Carbon Disulfide	4.40	76	265178	20.180	ug/l	98
18) Methyl Acetate	4.73	43	44540	23.855	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	174991	23.061	ug/l	96
20) Methylene Chloride	4.97	84	106877	25.011	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	97949	22.315	ug/l	96
22) Diisopropyl ether	6.37	45	264840	23.503	ug/l	99
23) Vinyl Acetate	6.31	43	702643	112.304	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166114	22.984	ug/l	96
25) 2-Butanone	7.22	43	109949	109.461	ug/l	98
26) 2,2-Dichloropropane	7.21	77	139933	22.155	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101963	22.726	ug/l	99
28) Bromochloromethane	7.55	49	67032	23.181	ug/l	98
29) Tetrahydrofuran	7.57	42	71322	111.188	ug/l	99
30) Chloroform	7.71	83	169803	23.505	ug/l	95
31) Cyclohexane	7.98	56	146835	20.317	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	152220	22.801	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129398	21.752	ug/l	97
37) Ethyl Acetate	7.30	43	51079	22.215	ug/l	97
38) Carbon Tetrachloride	8.10	117	139985	22.692	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144939	20.173	ug/l	93
40) Benzene	8.36	78	377598	22.702	ug/l	100
41) Methacrylonitrile	7.53	41	28690	23.594	ug/l	91
42) 1,2-Dichloroethane	8.43	62	105536	24.299	ug/l	100
43) Isopropyl Acetate	8.46	43	94031	22.148	ug/l	98
44) Trichloroethene	9.12	130	108191	23.033	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93617	23.236	ug/l	99
46) Dibromomethane	9.48	93	49124	23.506	ug/l	94
47) Bromodichloromethane	9.67	83	128704	23.672	ug/l	97
48) Methyl methacrylate	9.46	41	44365	22.215	ug/l	99
49) 1,4-Dioxane	9.47	88	11290	472.286	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	247544	115.866	ug/l	99
52) Toluene	10.41	92	241349	23.034	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118547	23.332	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	145147	23.601	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71273	24.079	ug/l	94
56) Ethyl methacrylate	10.67	69	75000	22.476	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118586	23.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	109346	106.112	ug/l	99
59) 2-Hexanone	10.99	43	166231	112.398	ug/l	99
60) Dibromochloromethane	11.14	129	95052	25.052	ug/l	98
61) 1,2-Dibromoethane	11.25	107	67237	23.815	ug/l	99
64) Tetrachloroethene	10.88	164	94675	23.099	ug/l	96
65) Chlorobenzene	11.67	112	261373	23.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99004	24.016	ug/l	98
67) Ethyl Benzene	11.75	91	434672	22.224	ug/l	99
68) m/p-Xylenes	11.86	106	350193	46.436	ug/l	100
69) o-Xylene	12.18	106	149460	22.530	ug/l	98
70) Styrene	12.20	104	277327	23.754	ug/l	99
71) Bromoform	12.37	173	55937	24.157	ug/l #	99
73) Isopropylbenzene	12.48	105	414218	21.017	ug/l	100
74) N-amyl acetate	12.30	43	83853	20.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74921	21.627	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98602	41.703	ug/l #	100
77) Bromobenzene	12.77	156	111043	22.678	ug/l	97
78) n-propylbenzene	12.83	91	503505	21.532	ug/l	99
79) 2-Chlorotoluene	12.91	91	288881	21.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	352442	21.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	23453	20.933	ug/l	97
82) 4-Chlorotoluene	13.01	91	304899	22.016	ug/l	98
83) tert-Butylbenzene	13.23	119	283534	20.685	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	349459	21.881	ug/l	100
85) sec-Butylbenzene	13.41	105	415138	21.217	ug/l	100
86) p-Isopropyltoluene	13.53	119	382452	21.421	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	214332	22.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	211826	22.620	ug/l	99
89) n-Butylbenzene	13.86	91	342132	20.728	ug/l	99
90) Hexachloroethane	14.12	117	79710	21.679	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	185490	23.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11426	21.657	ug/l	98

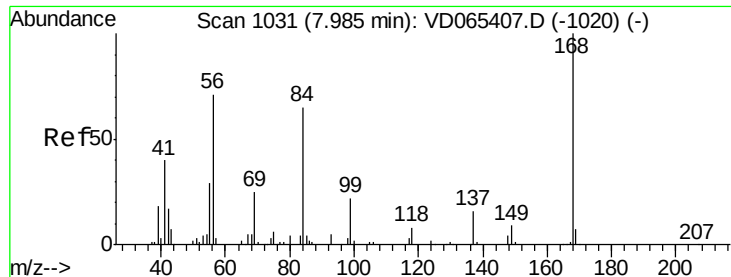
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032420\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123161	22.683	ug/l	98
94) Hexachlorobutadiene	15.28	225	79795	22.366	ug/l	99
95) Naphthalene	15.41	128	182471	21.600	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	105085	22.397	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

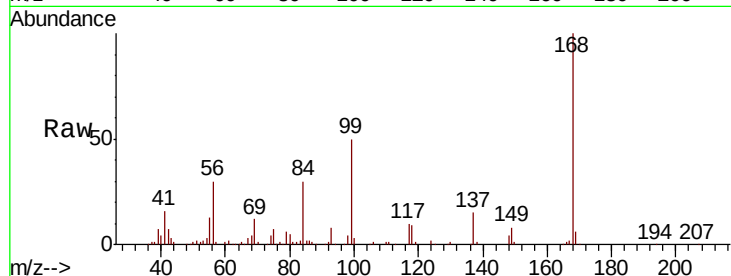
ClientSampleId :

Tot Ion:168 Resp: 424282

Ion Ratio Lower Upper

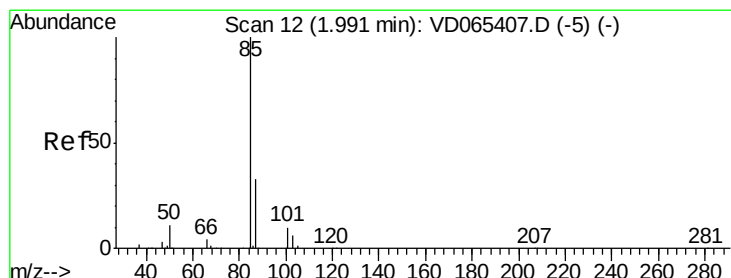
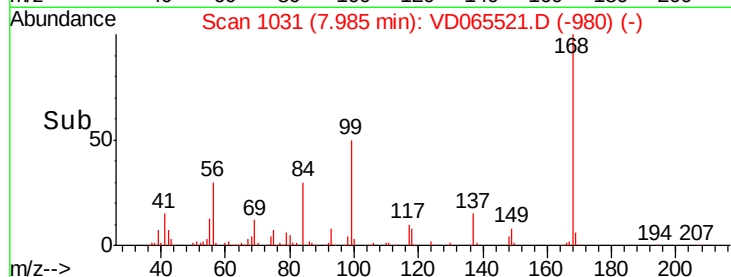
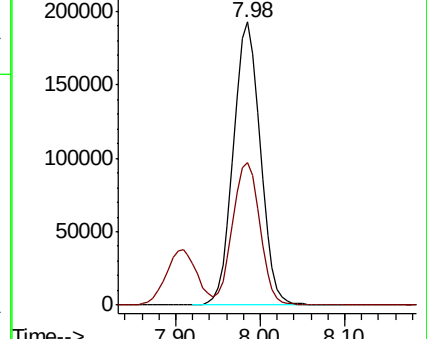
168 100

99 50.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.051 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065521.D

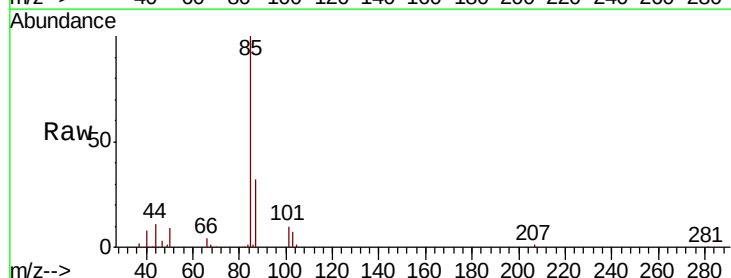
Acq: 24 Mar 2020 16:00

Tgt Ion: 85 Resp: 76759

Ion Ratio Lower Upper

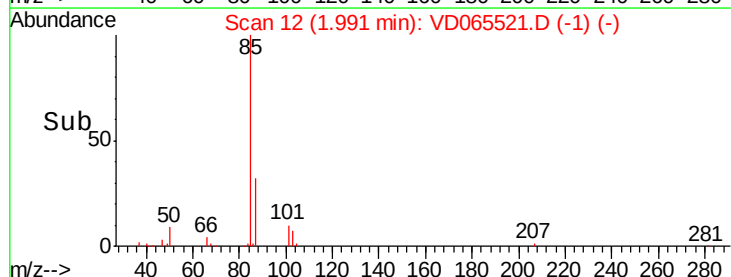
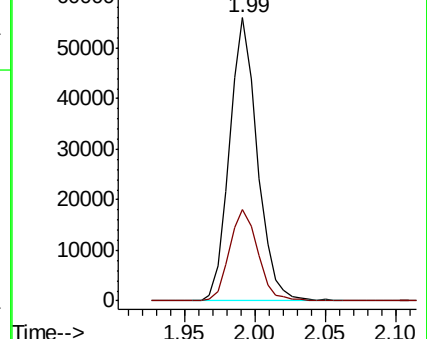
85 100

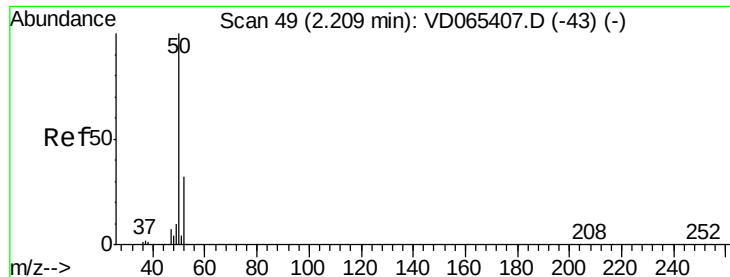
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

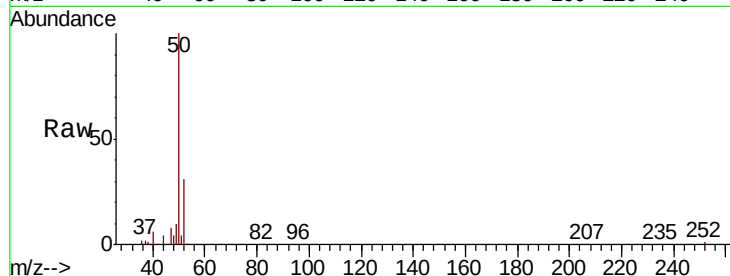
ClientSampleId :

Tot Ion: 50 Resp: 95191

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

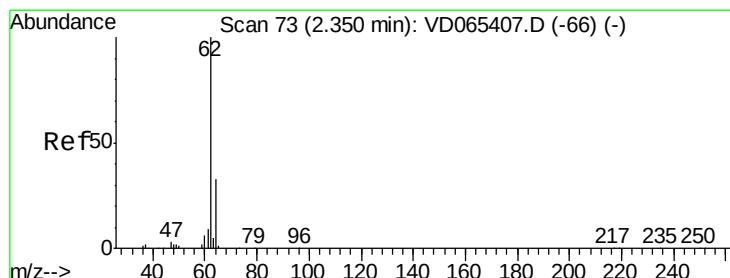
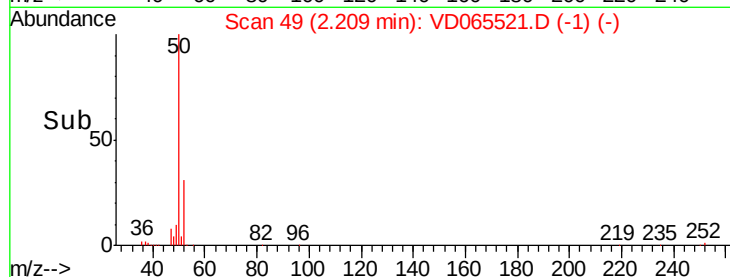
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.914 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065521.D

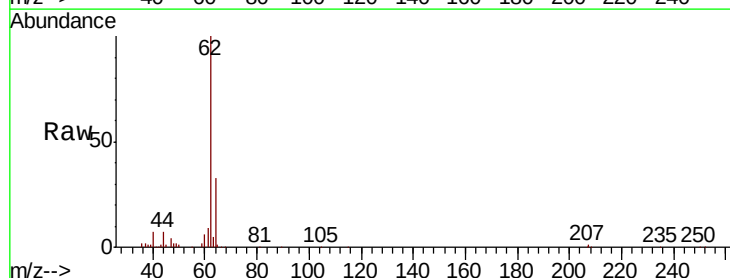
Acq: 24 Mar 2020 16:00

Tgt Ion: 62 Resp: 95156

Ion Ratio Lower Upper

62 100

64 33.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

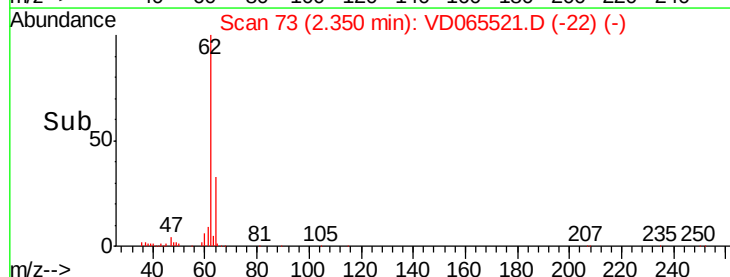
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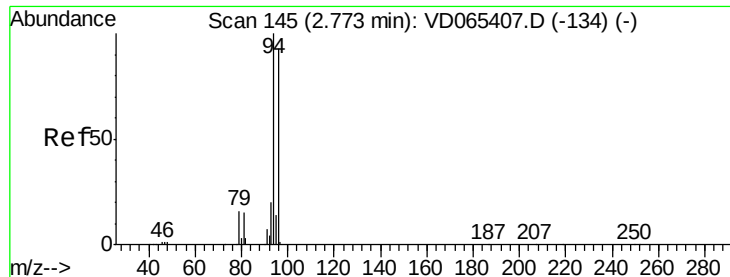
40000

20000

0

Time-->





#5

Bromomethane

Concen: 23.049 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

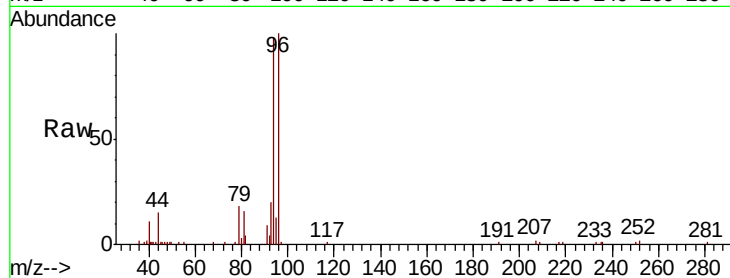
ClientSampled :

Tot Ion: 94 Resp: 62357

Ion Ratio Lower Upper

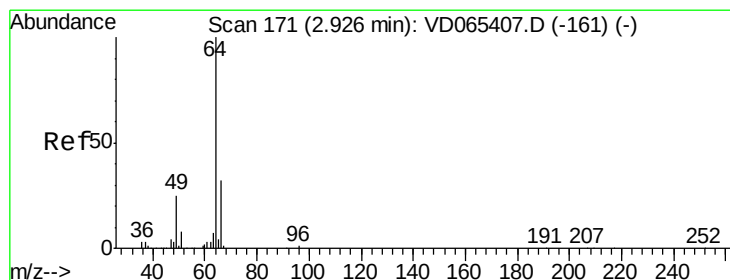
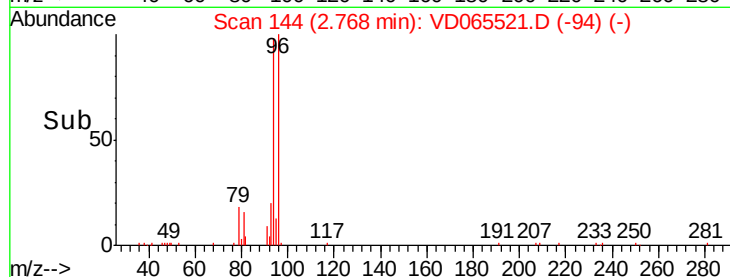
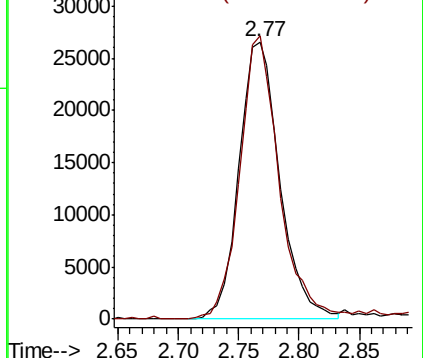
94 100

96 102.2 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.221 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065521.D

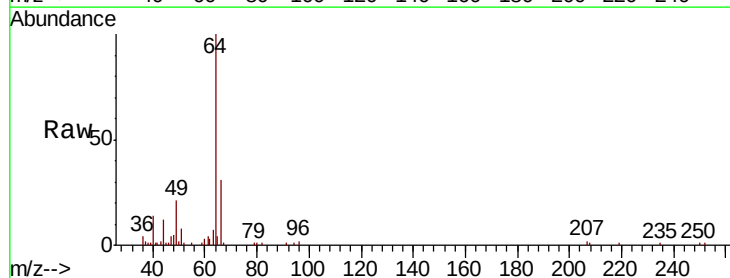
Acq: 24 Mar 2020 16:00

Tgt Ion: 64 Resp: 59095

Ion Ratio Lower Upper

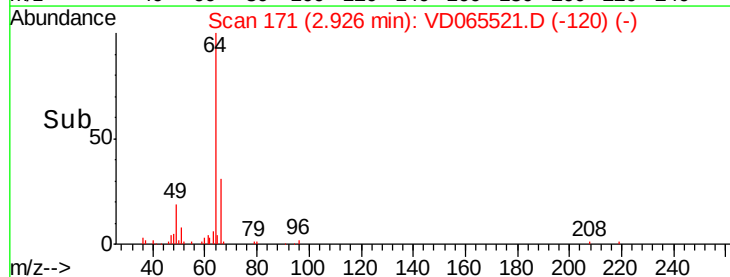
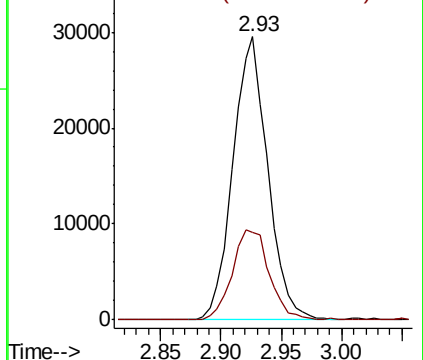
64 100

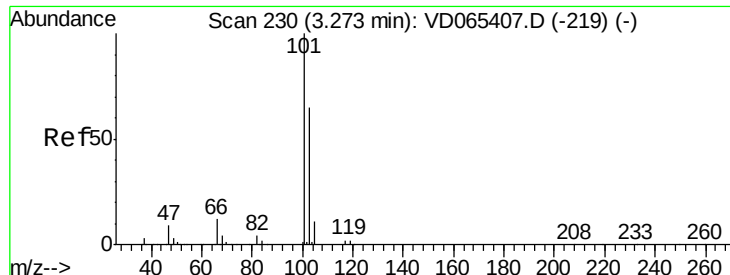
66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



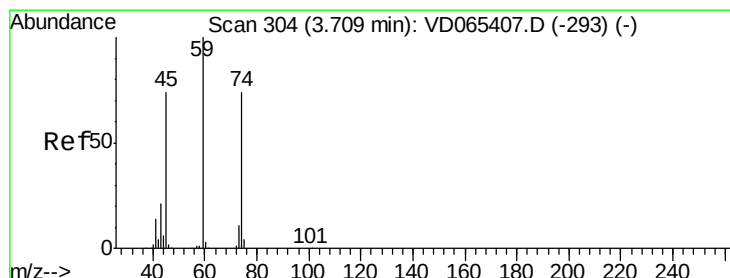
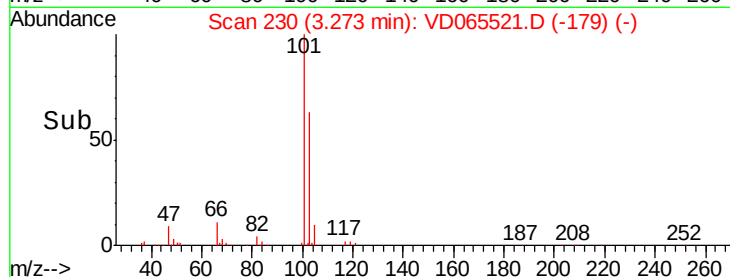
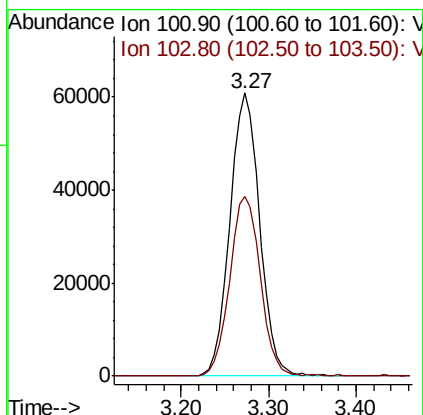
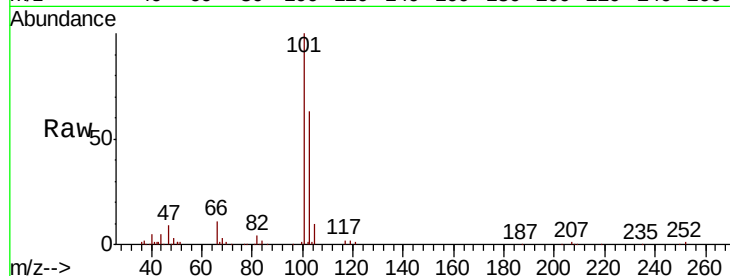


#7

Trichlorofluoromethane
 Concen: 21.902 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :

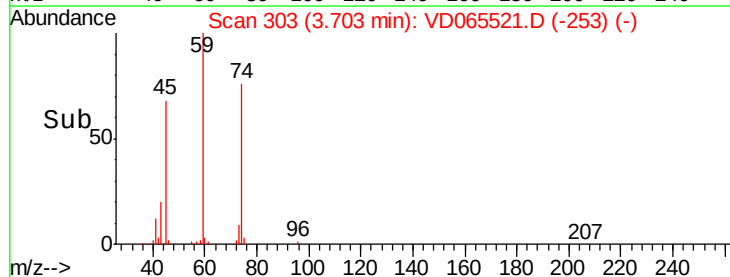
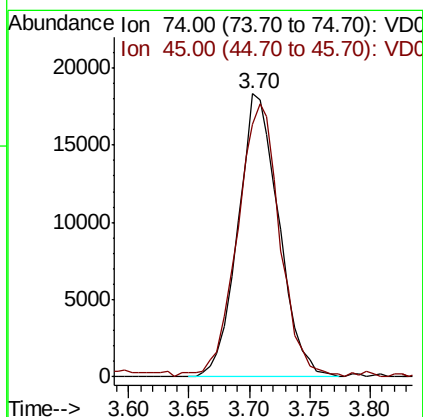
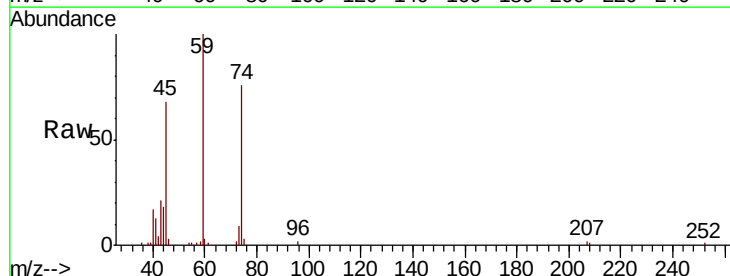
Tot Ion:101 Resp: 140132
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.1 78.1

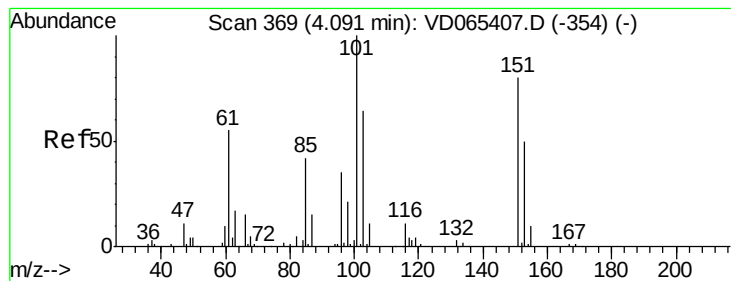


#8

Diethyl Ether
 Concen: 22.693 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 74 Resp: 43179
 Ion Ratio Lower Upper
 74 100
 45 100.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.798 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

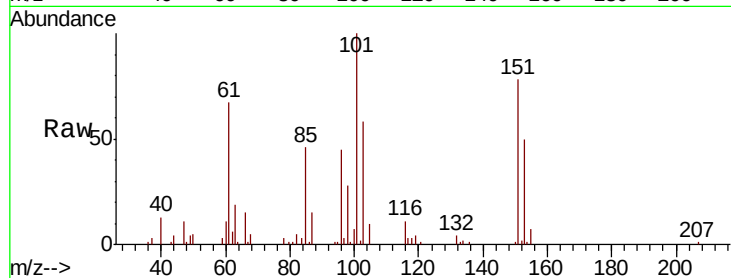
Tot Ion:101 Resp: 93945

Ion Ratio Lower Upper

101 100

85 40.8 34.2 51.2

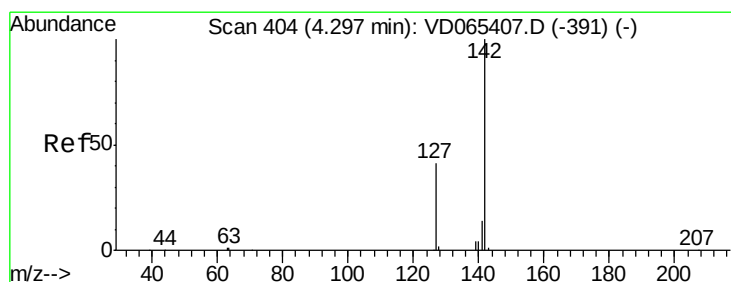
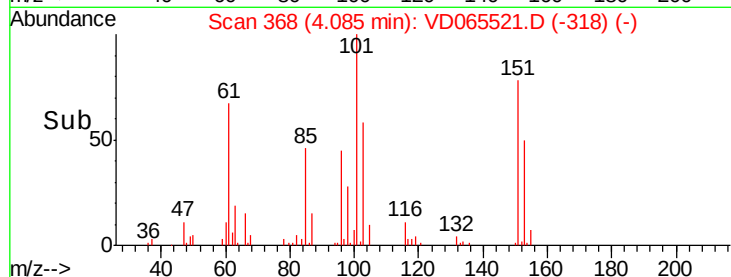
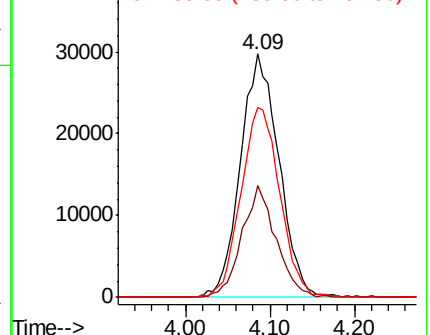
151 78.8 65.1 97.7



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: 22.439 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

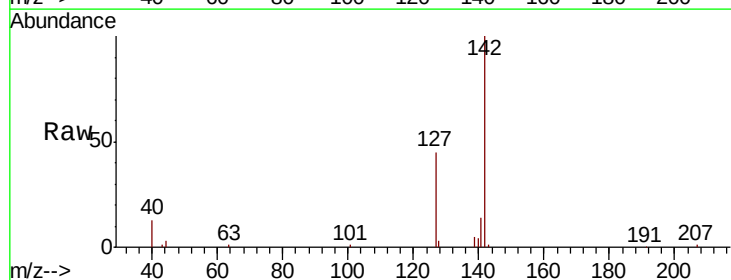
Tgt Ion:142 Resp: 96063

Ion Ratio Lower Upper

142 100

127 42.0 35.0 52.6

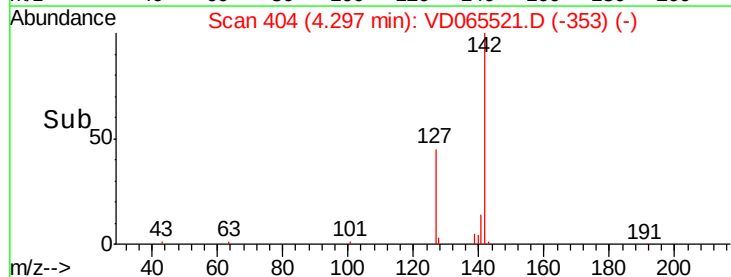
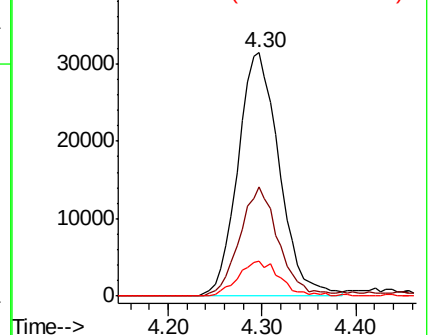
141 14.3 12.4 18.6

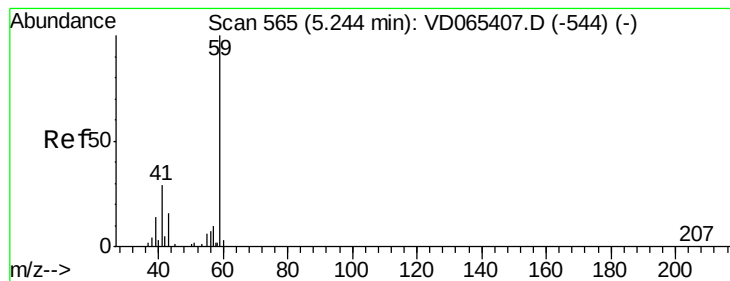


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 100.479 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

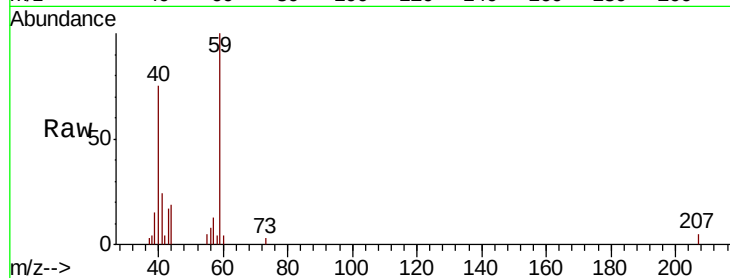
ClientSampleId :

Tot Ion: 59 Resp: 20976

Ion Ratio Lower Upper

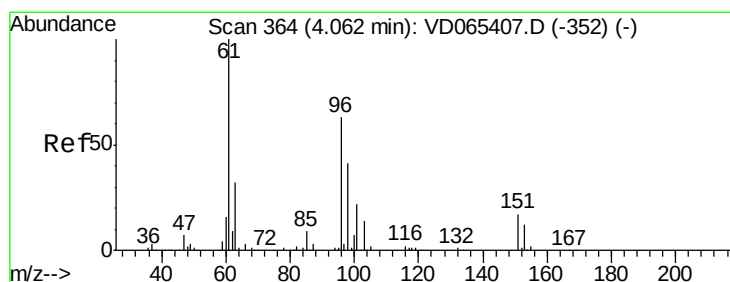
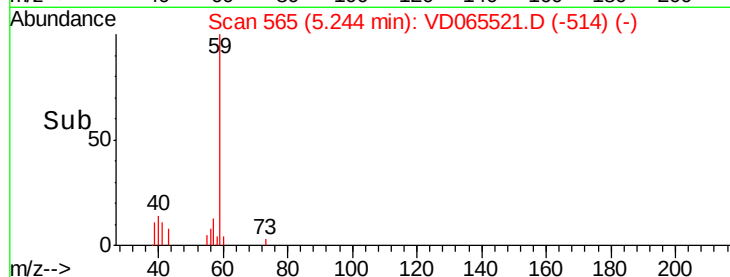
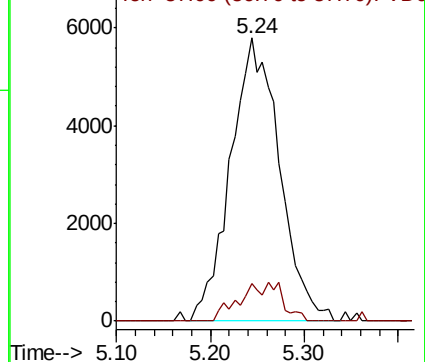
59 100

57 6.8 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.704 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

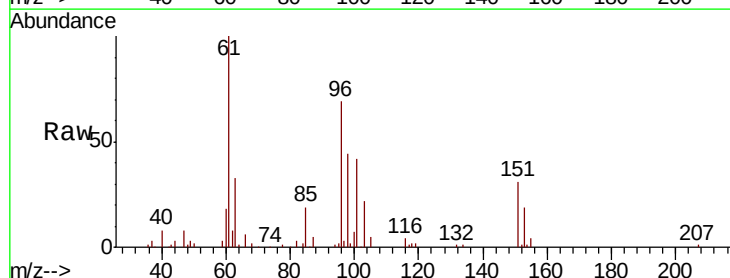
Tgt Ion: 96 Resp: 85641

Ion Ratio Lower Upper

96 100

61 144.4 128.0 192.0

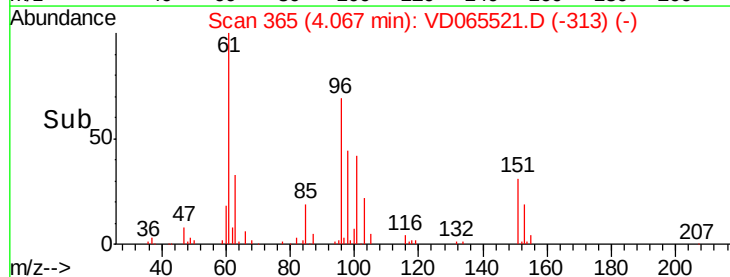
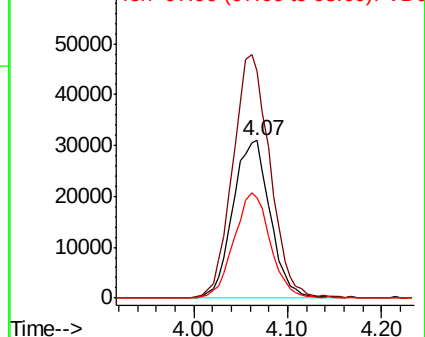
98 64.0 51.9 77.9

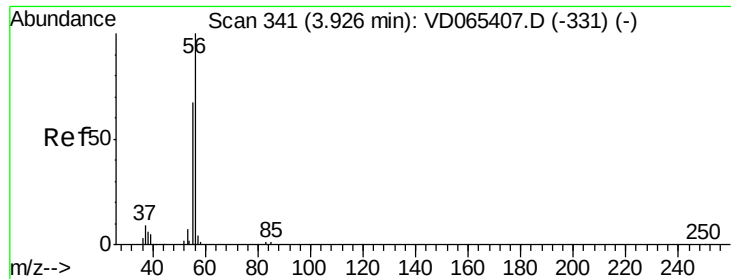


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 70.344 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

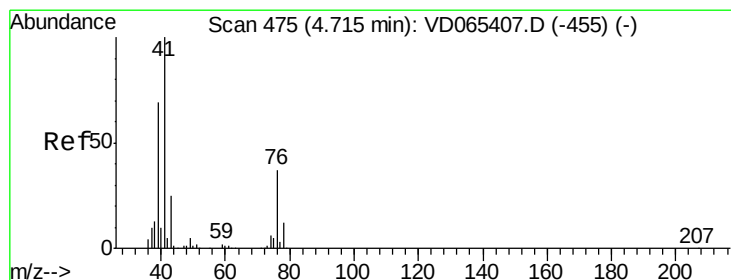
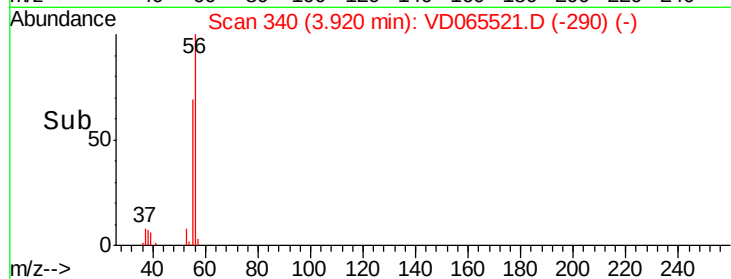
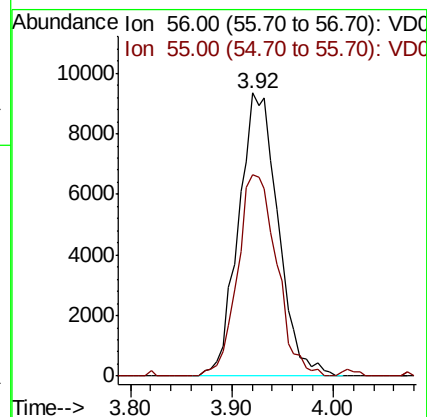
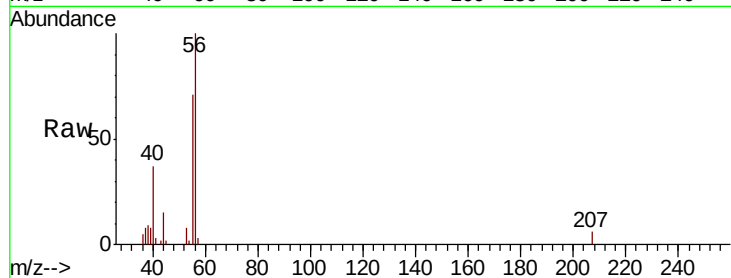
ClientSampled :

Tot Ion: 56 Resp: 25326

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



#14

Allyl chloride

Concen: 20.820 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

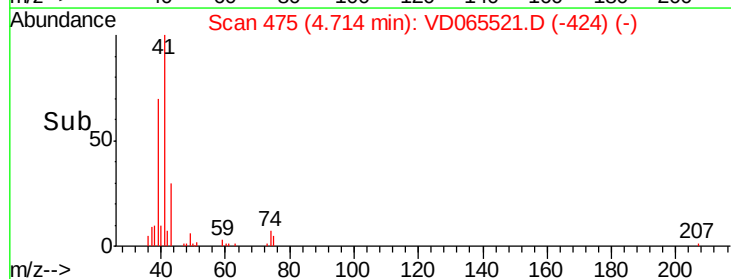
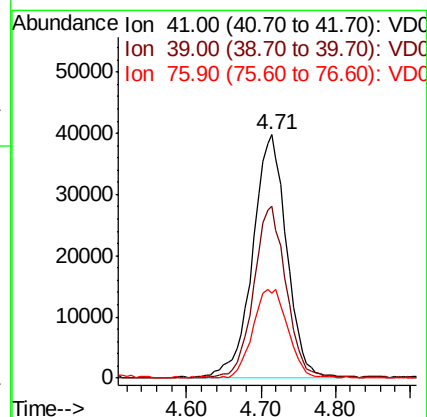
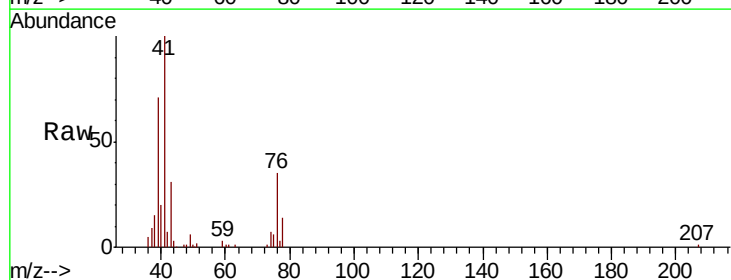
Tgt Ion: 41 Resp: 126202

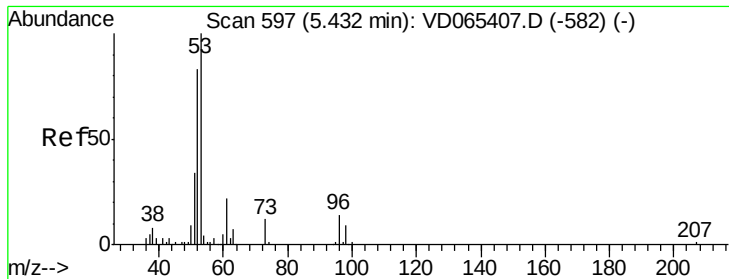
Ion Ratio Lower Upper

41 100

39 67.5 52.6 79.0

76 37.4 29.2 43.8





#15

Acrylonitrile

Concen: 114.576 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

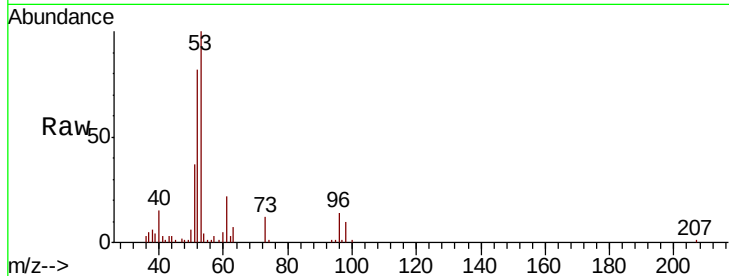
Tot Ion: 53 Resp: 94842

Ion Ratio Lower Upper

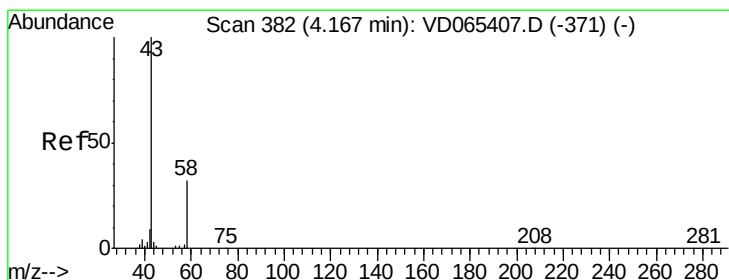
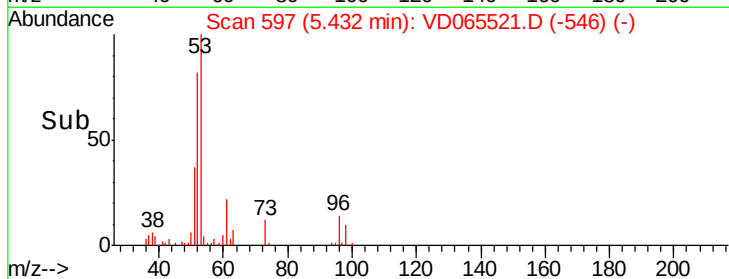
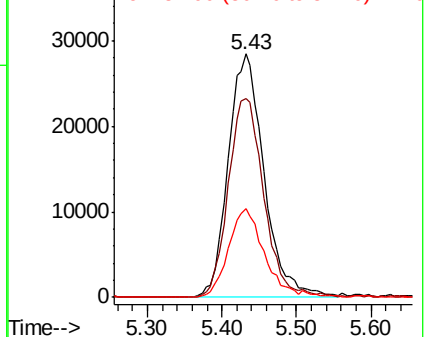
53 100

52 80.7 65.1 97.7

51 35.6 28.5 42.7



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: 106.668 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065521.D

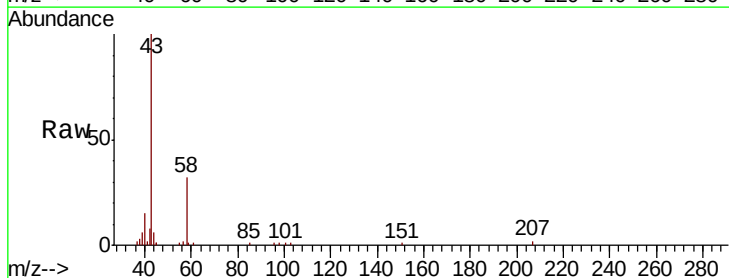
Acq: 24 Mar 2020 16:00

Tgt Ion: 43 Resp: 78513

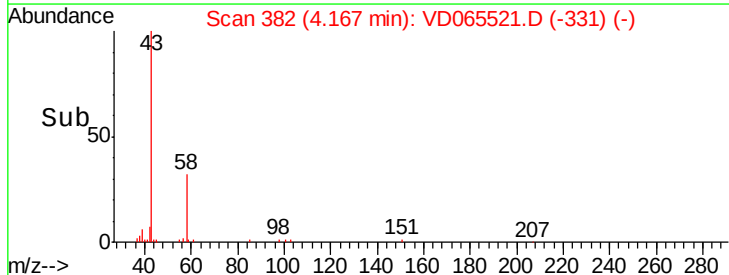
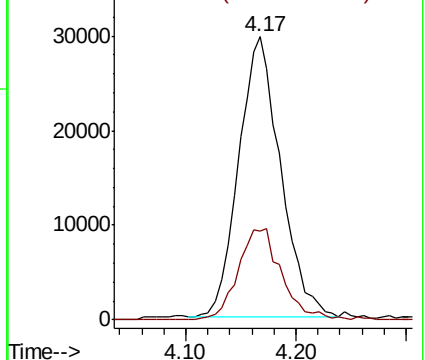
Ion Ratio Lower Upper

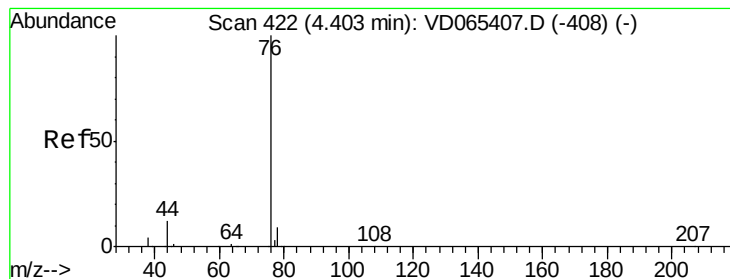
43 100

58 31.9 25.1 37.7



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





#17

Carbon Disulfide

Concen: 20.180 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

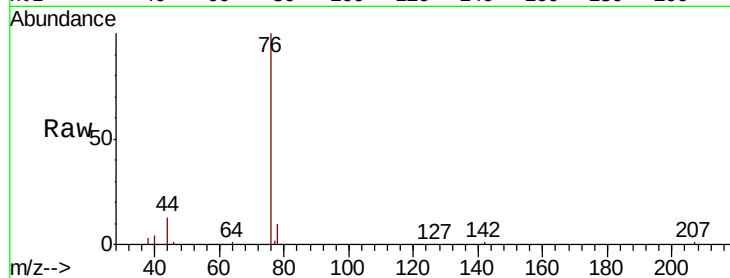
ClientSampleId :

Tot Ion: 76 Resp: 265178

Ion Ratio Lower Upper

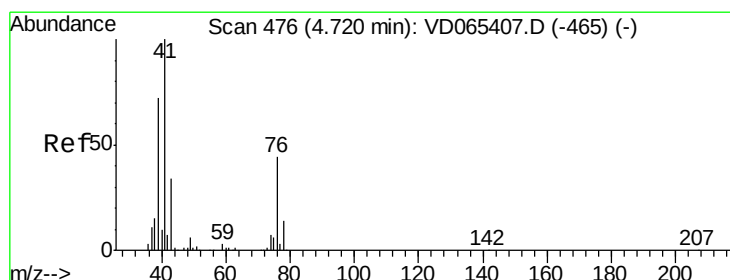
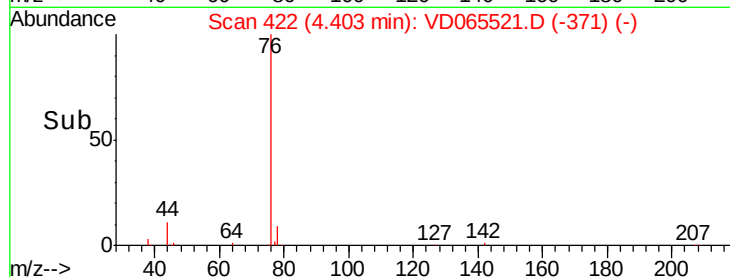
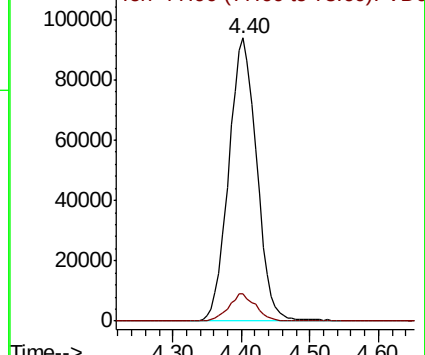
76 100

78 9.9 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: 23.855 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065521.D

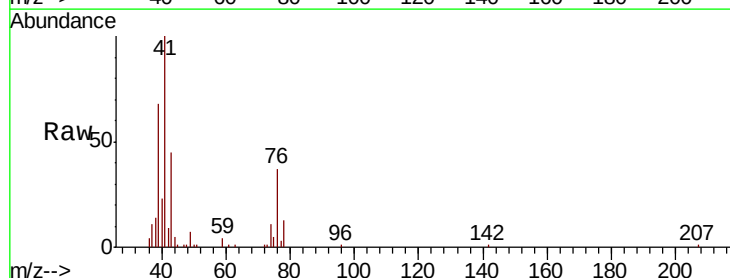
Acq: 24 Mar 2020 16:00

Tgt Ion: 43 Resp: 44540

Ion Ratio Lower Upper

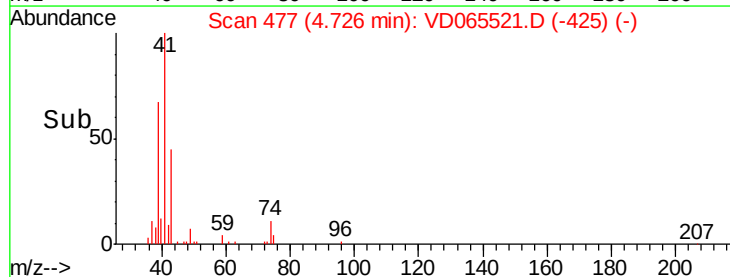
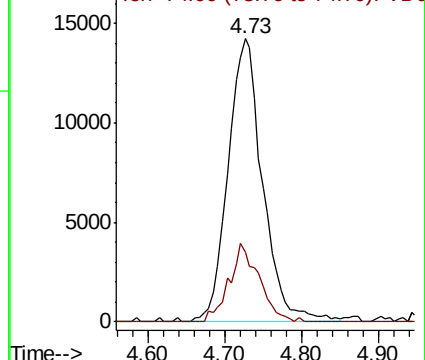
43 100

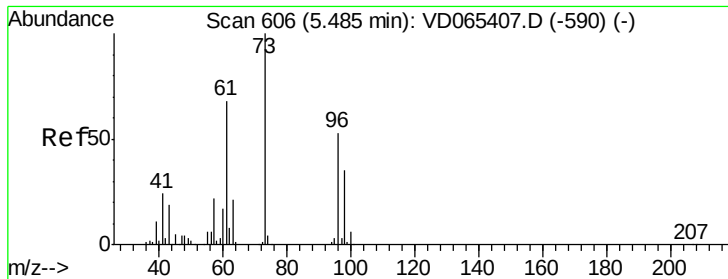
74 23.9 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

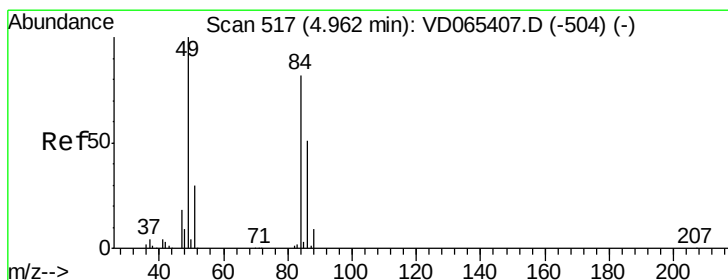
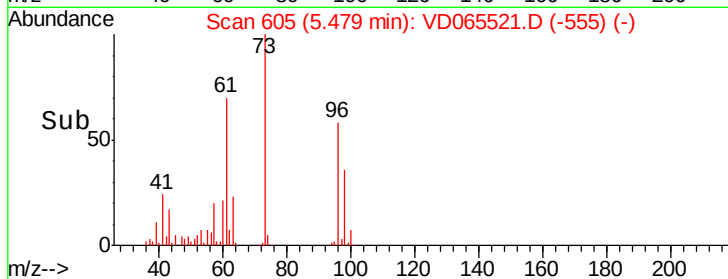
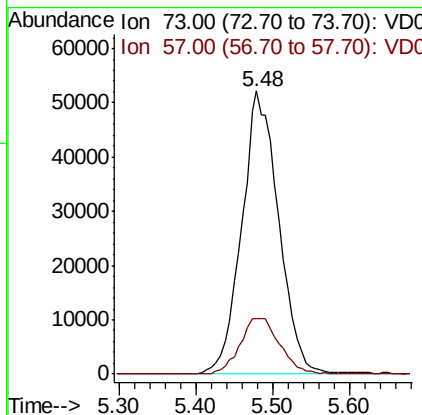
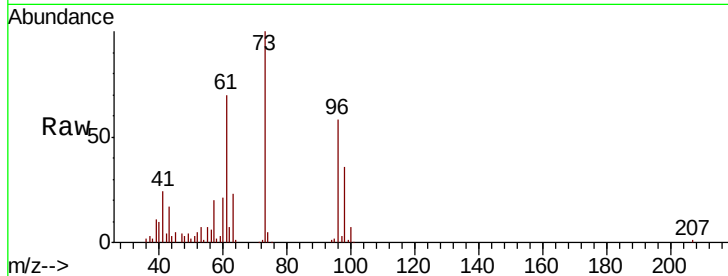




#19
Methyl tert-butyl Ether
Concen: 23.061 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

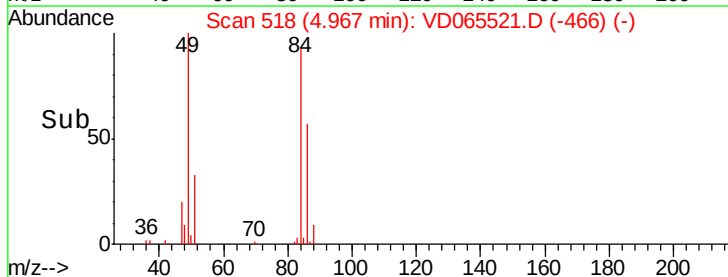
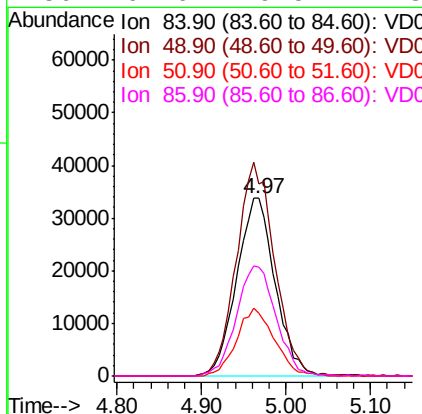
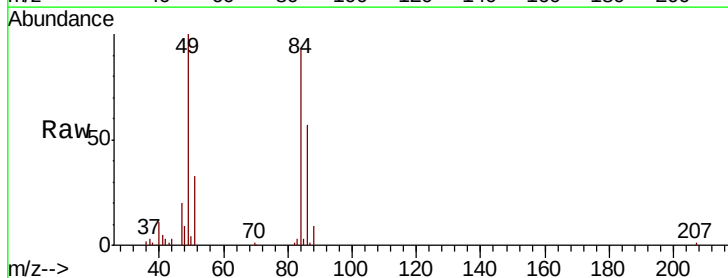
Instrument :
MSVOA_D
ClientSampled :

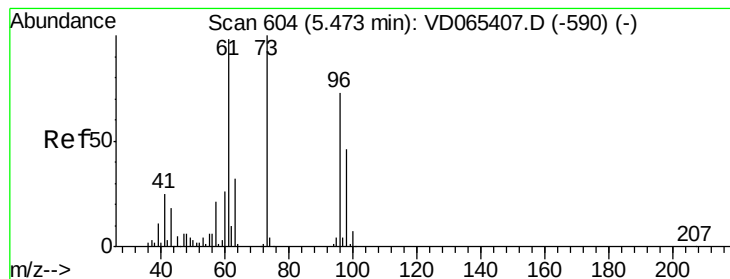
Tot Ion: 73 Resp: 174991
Ion Ratio Lower Upper
73 100
57 19.5 17.3 25.9



#20
Methylene Chloride
Concen: 25.011 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 84 Resp: 106877
Ion Ratio Lower Upper
84 100
49 108.1 97.7 146.5
51 35.4 28.8 43.2
86 61.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 22.315 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

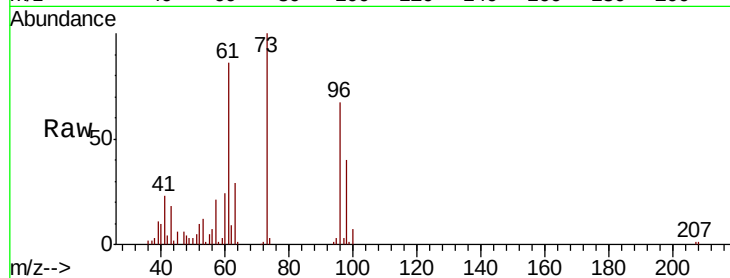
Tot Ion: 96 Resp: 97949

Ion Ratio Lower Upper

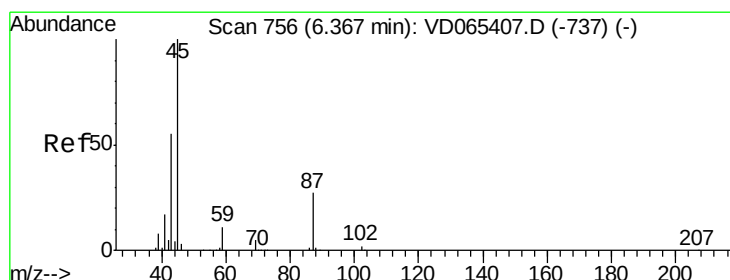
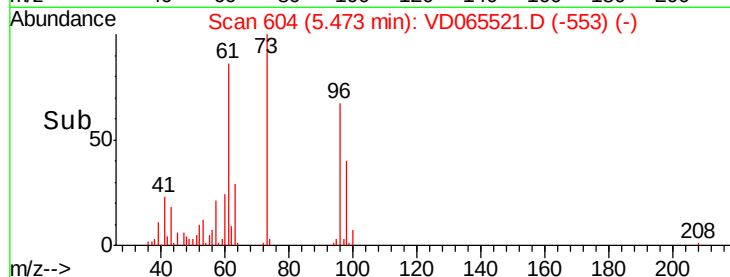
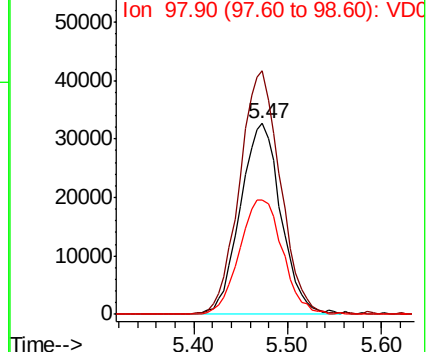
96 100

61 127.6 106.3 159.5

98 59.6 50.2 75.4



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: 23.503 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion: 45 Resp: 264840

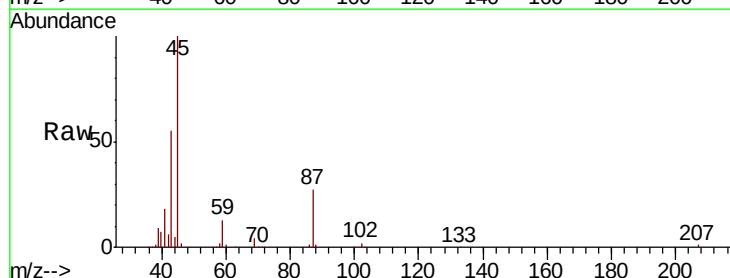
Ion Ratio Lower Upper

45 100

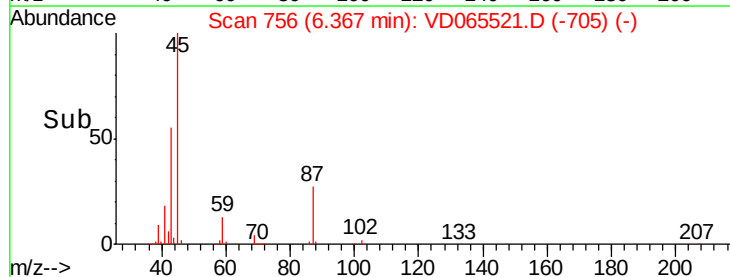
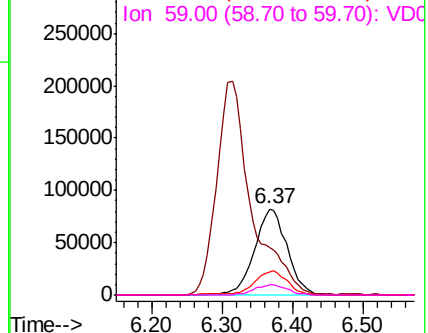
43 54.2 44.4 66.6

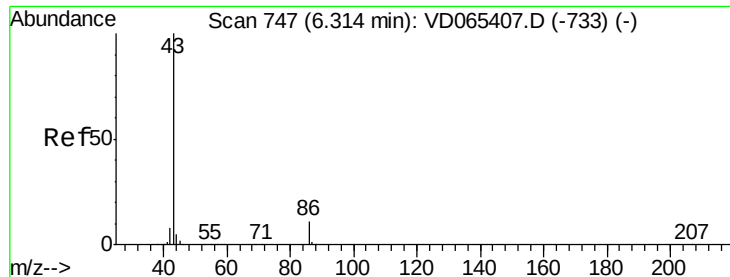
87 27.5 21.9 32.9

59 12.5 9.2 13.8



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: 112.304 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

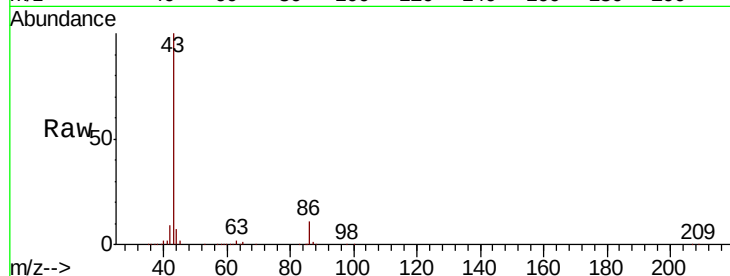
ClientSampled :

Tot Ion: 43 Resp: 702643

Ion Ratio Lower Upper

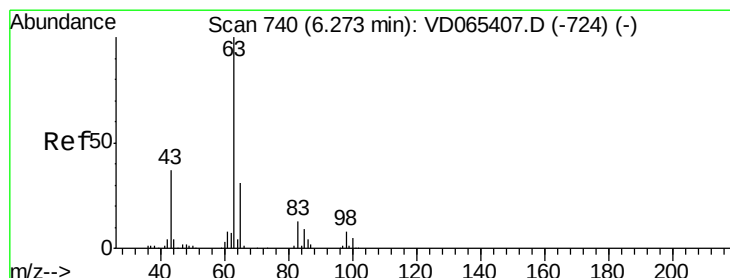
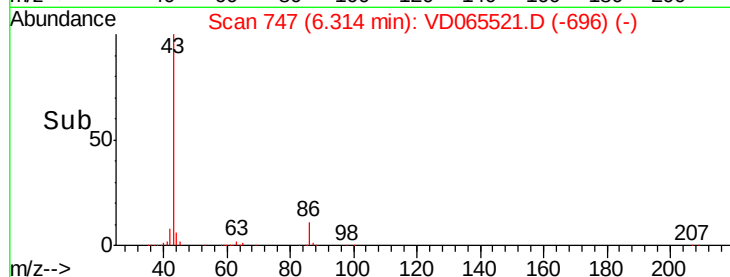
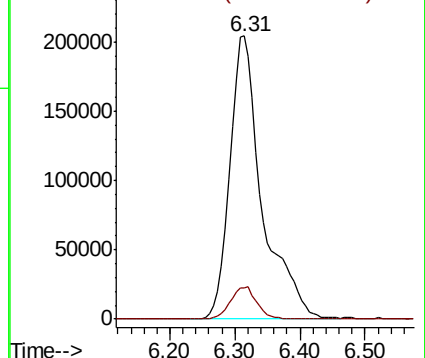
43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.984 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

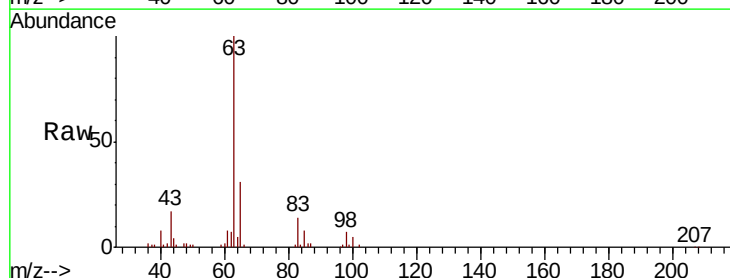
Tgt Ion: 63 Resp: 166114

Ion Ratio Lower Upper

63 100

98 6.7 4.2 12.6

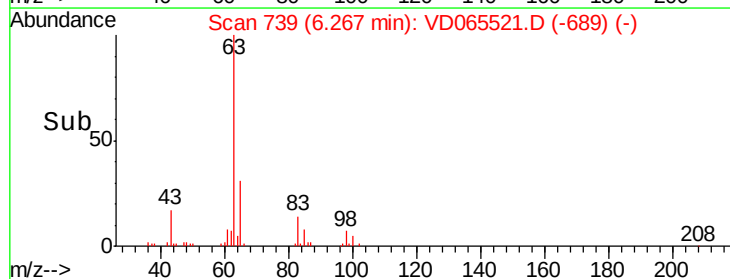
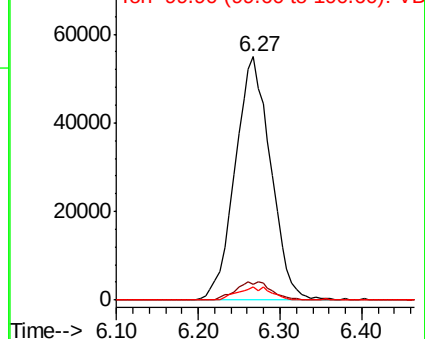
100 5.4 2.4 7.2

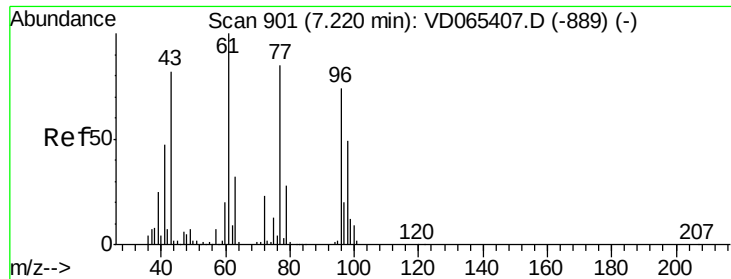


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 109.461 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

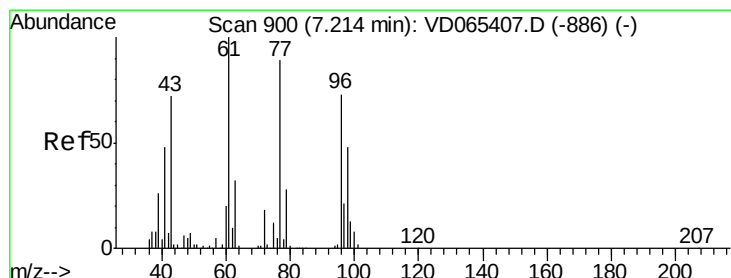
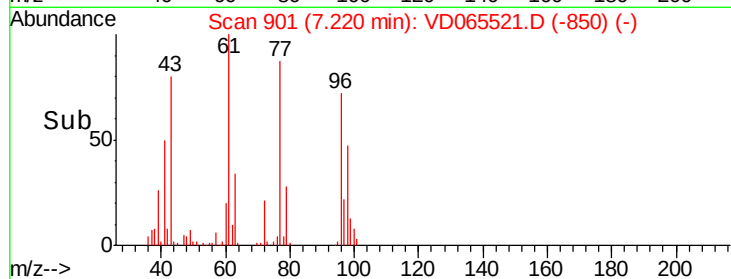
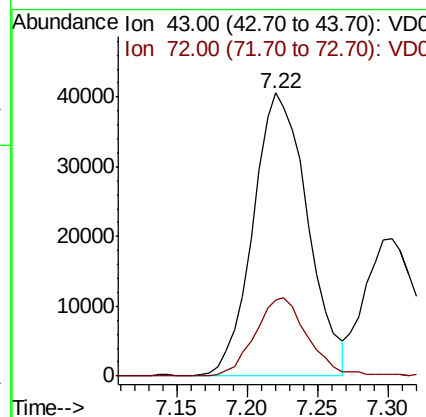
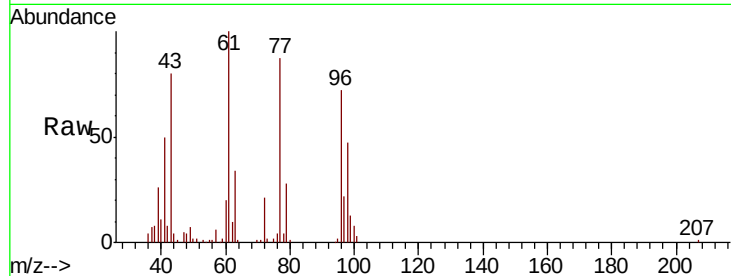
ClientSampleId :

Tot Ion: 43 Resp: 109949

Ion Ratio Lower Upper

43 100

72 26.7 22.3 33.5



#26

2,2-Dichloropropane

Concen: 22.155 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065521.D

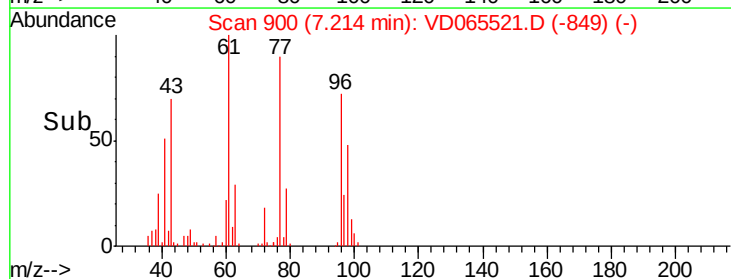
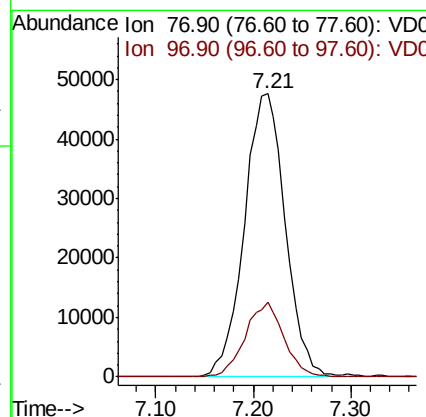
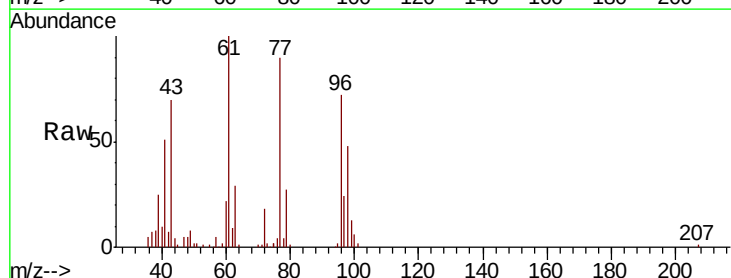
Acq: 24 Mar 2020 16:00

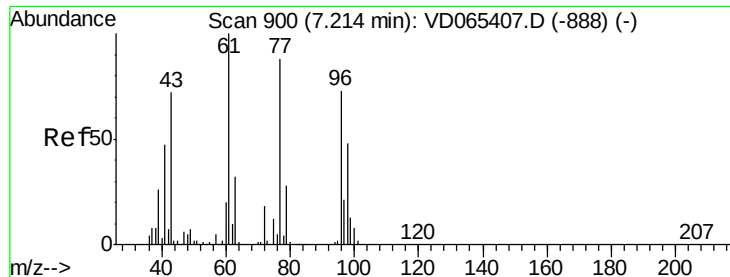
Tgt Ion: 77 Resp: 139933

Ion Ratio Lower Upper

77 100

97 24.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 22.726 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

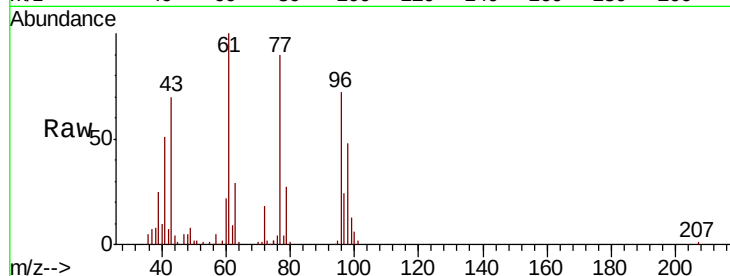
Tot Ion: 96 Resp: 101963

Ion Ratio Lower Upper

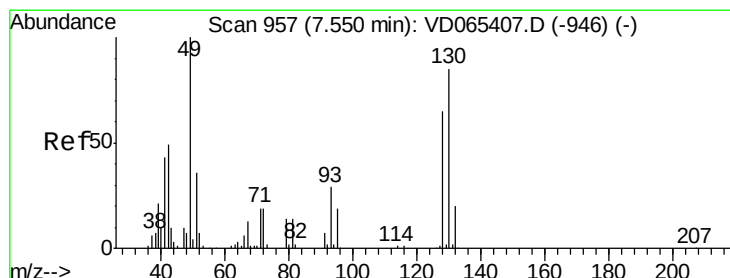
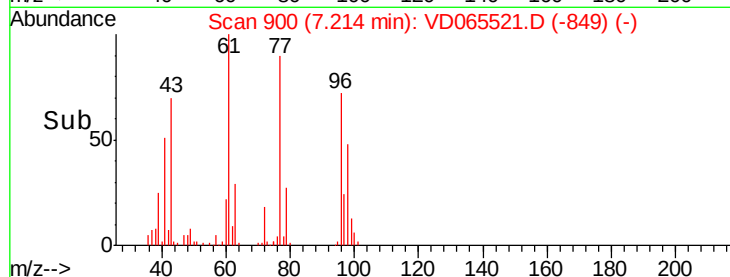
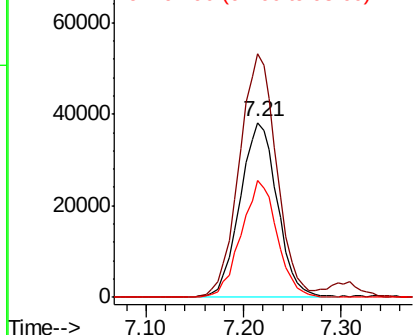
96 100

61 139.6 0.0 280.4

98 64.5 0.0 132.6



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



#28

Bromochloromethane

Concen: 23.181 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

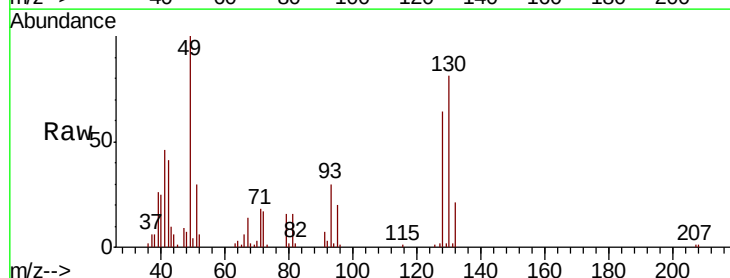
Tgt Ion: 49 Resp: 67032

Ion Ratio Lower Upper

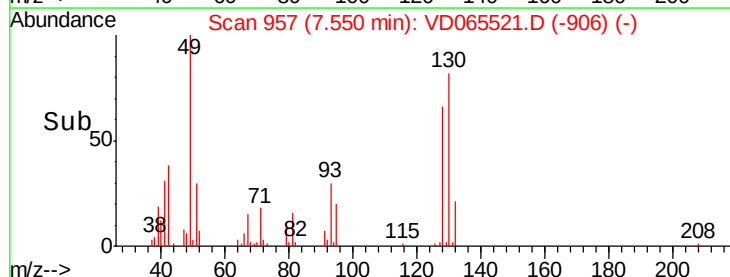
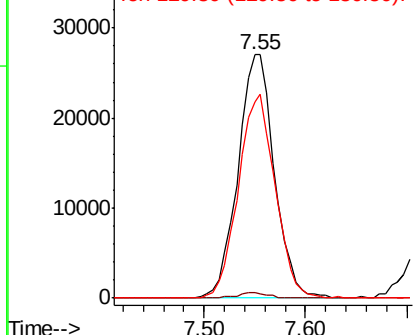
49 100

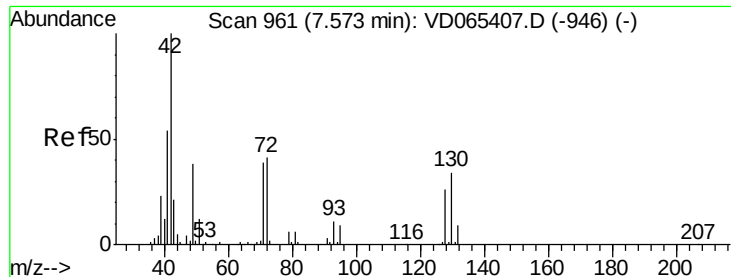
129 1.9 0.0 4.6

130 85.0 66.6 100.0



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

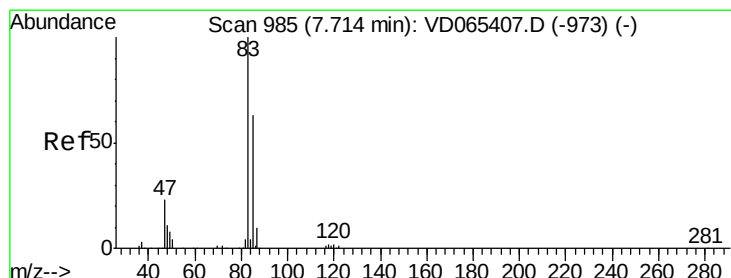
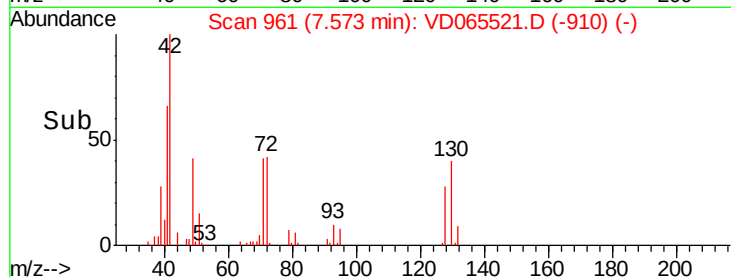
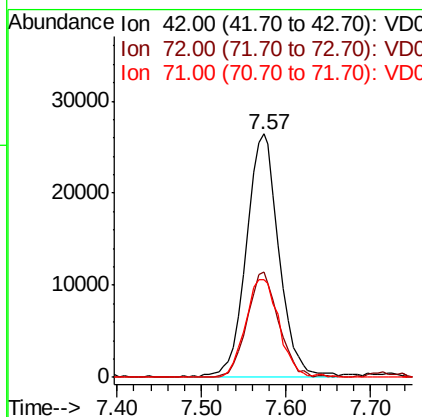
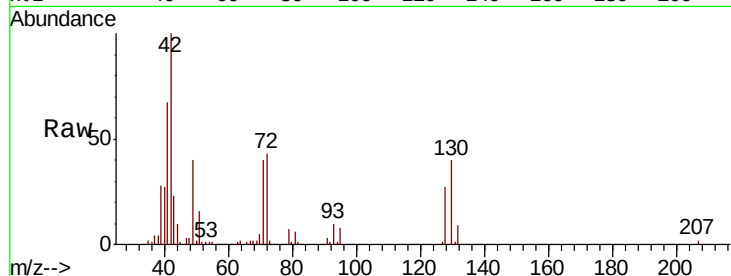




#29
Tetrahydrofuran
Concen: 111.188 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

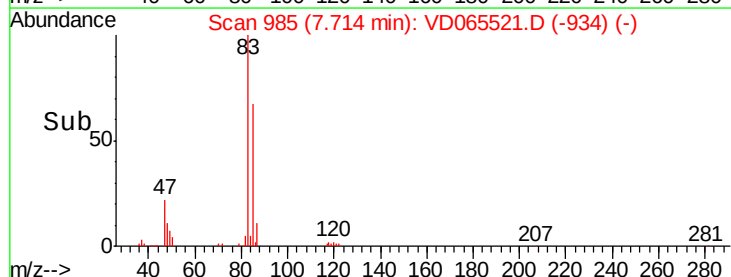
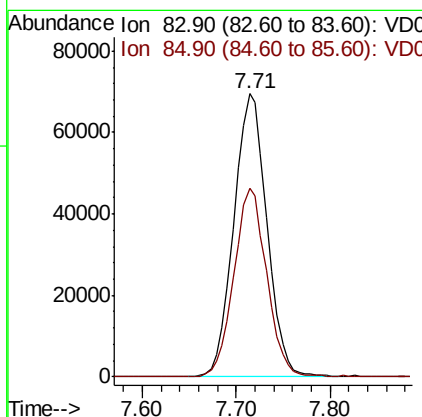
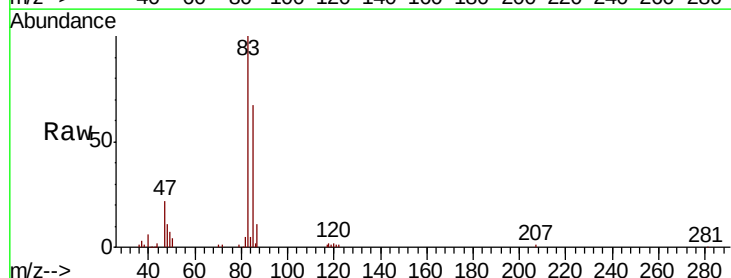
Instrument :
MSVOA_D
ClientSampleId :

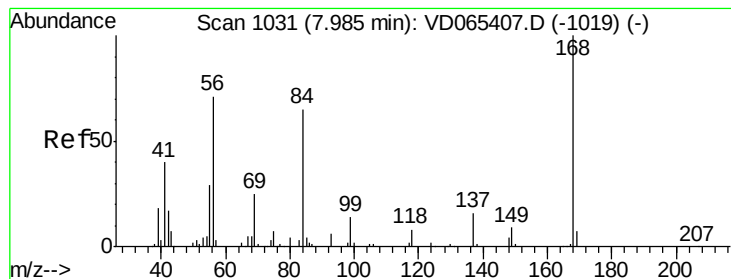
Tot Ion: 42 Resp: 71322
Ion Ratio Lower Upper
42 100
72 41.6 33.0 49.6
71 41.4 32.0 48.0



#30
Chloroform
Concen: 23.505 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 83 Resp: 169803
Ion Ratio Lower Upper
83 100
85 66.7 50.3 75.5





#31

Cyclohexane

Concen: 20.317 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

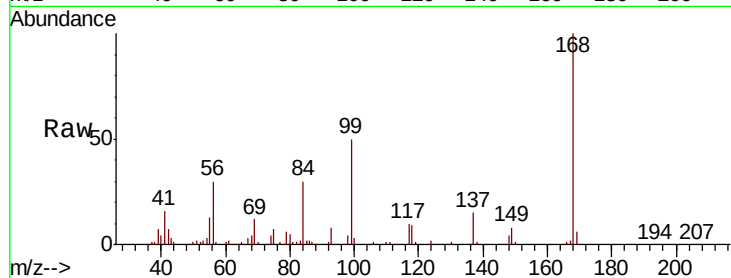
Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 146835

Ion	Ratio	Lower	Upper
56	100		
69	39.4	28.3	42.5
84	97.8	73.1	109.7

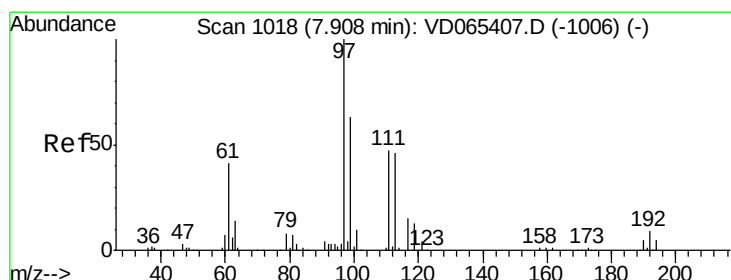
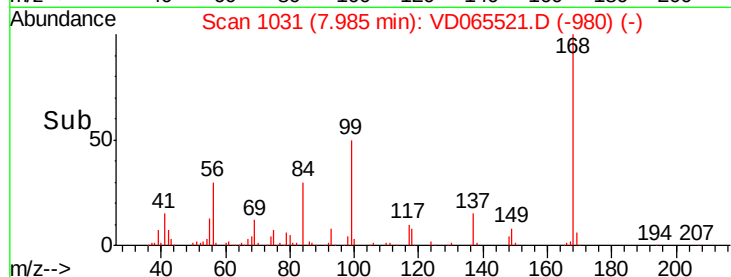
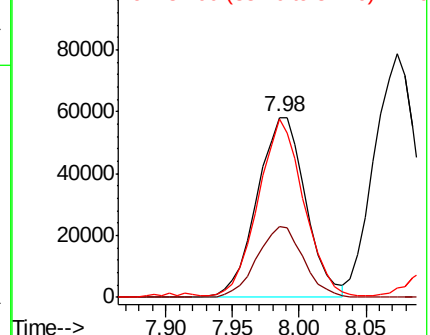


Abundance

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: 22.801 ug/l

RT: 7.90 min Scan# 1017

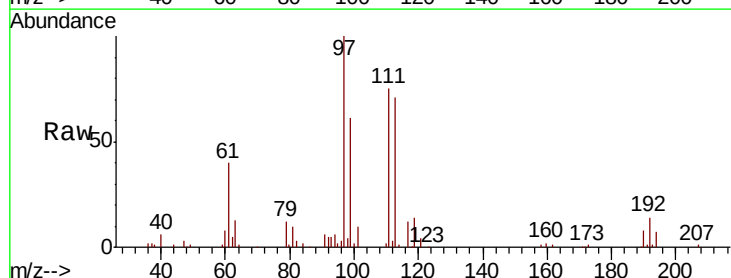
Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion: 97 Resp: 152220

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	41.9	33.2	49.8

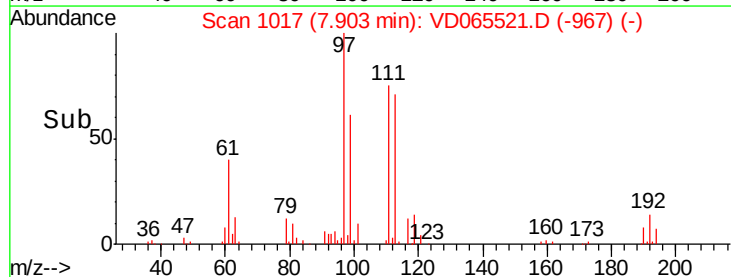
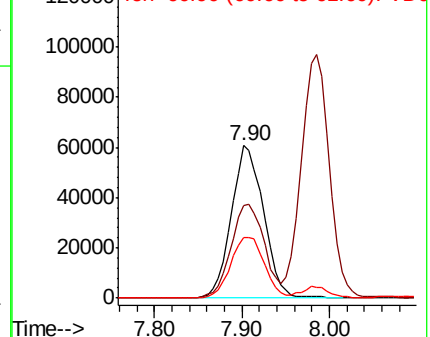


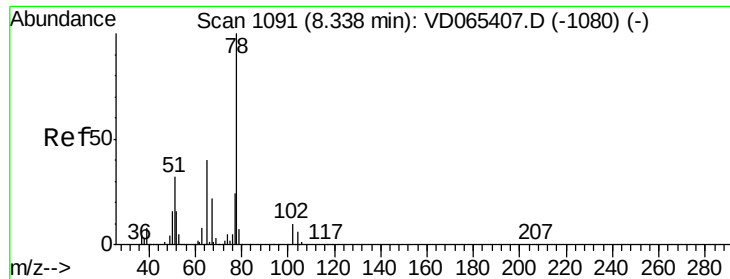
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

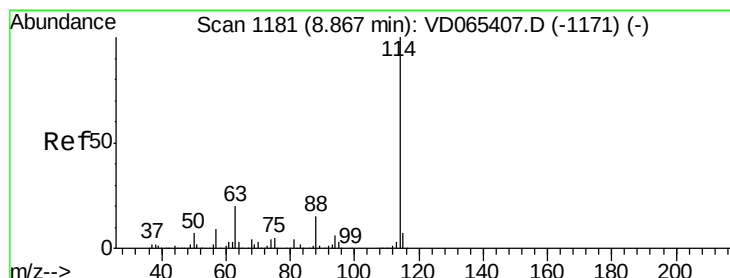
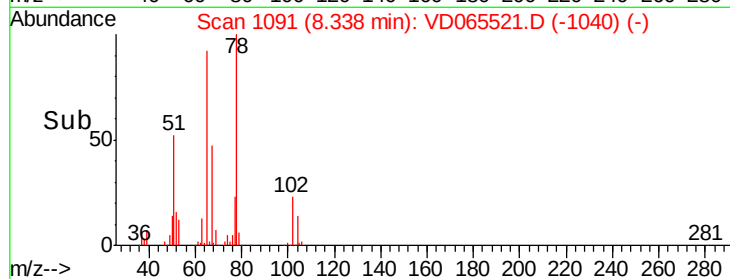
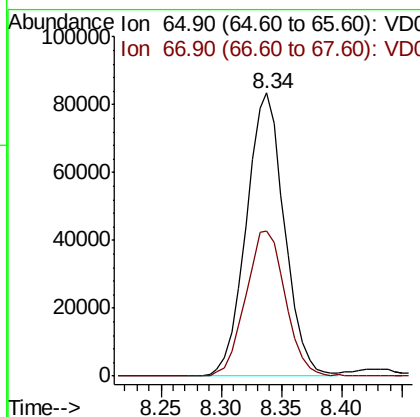
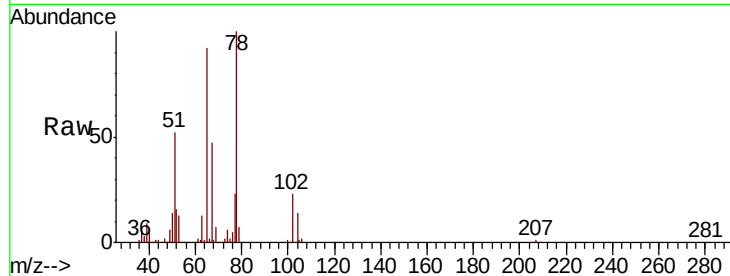




#33
 1,2-Dichloroethane-d4
 Concen: 50.525 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

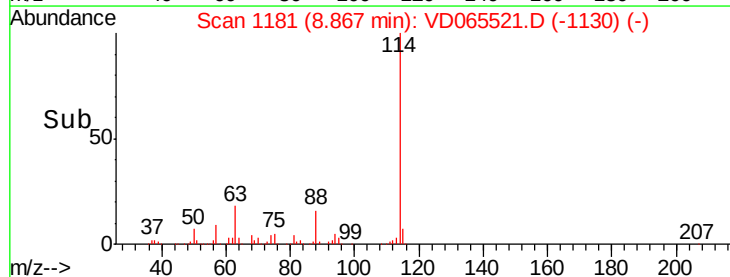
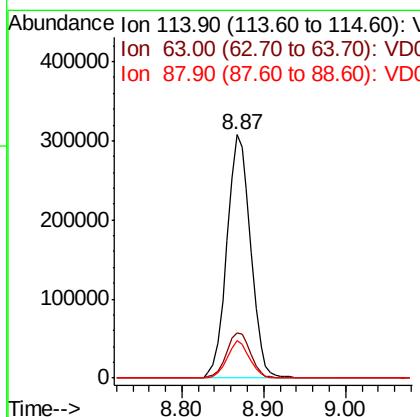
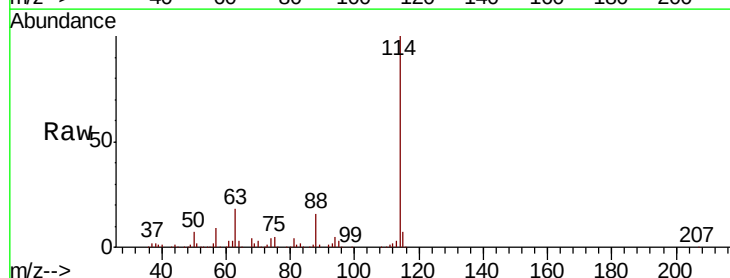
Instrument :
 MSVOA_D
 ClientSampleId :

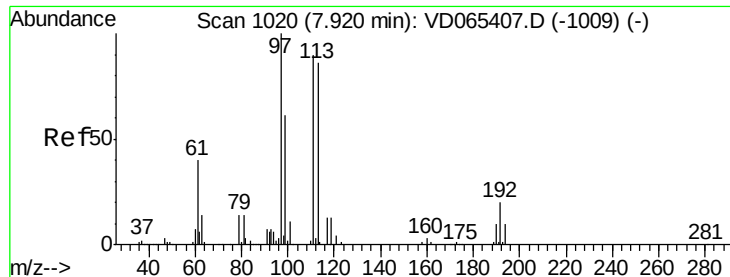
Tot Ion: 65 Resp: 183884
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 114 Resp: 620602
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 15.6 0.0 30.4

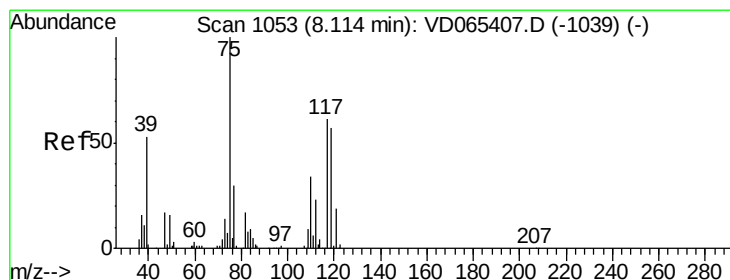
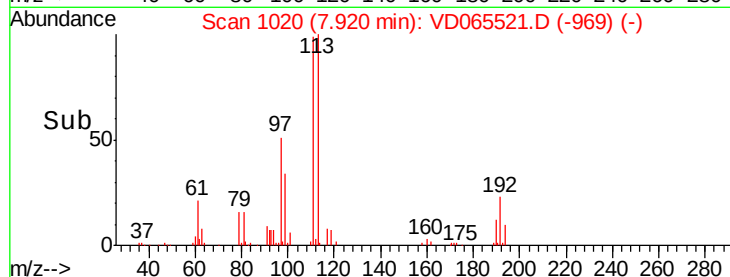
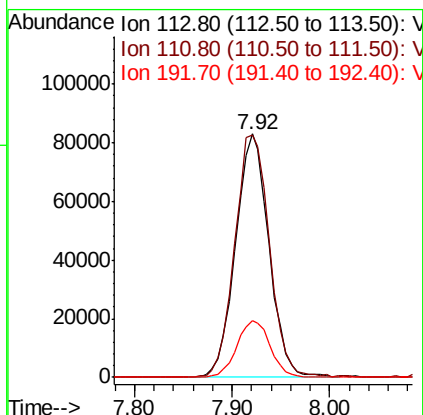
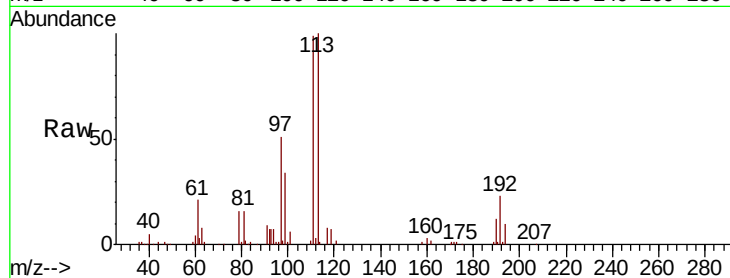




#35
 Dibromofluoromethane
 Concen: 51.601 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

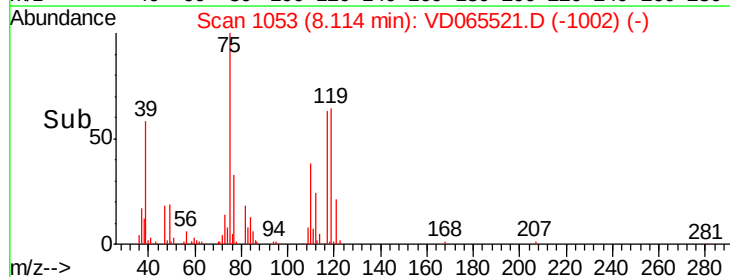
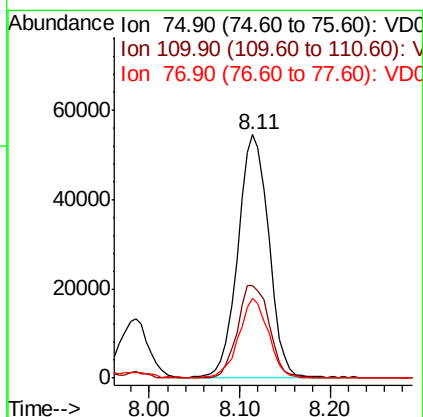
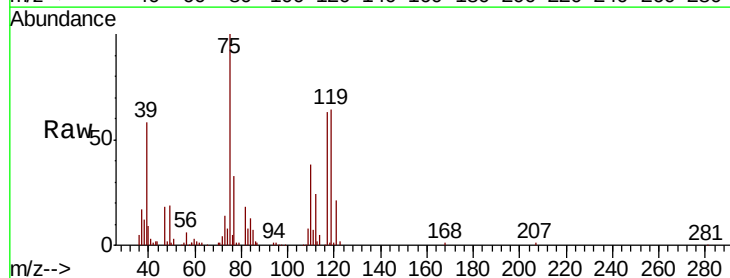
Instrument :
 MSVOA_D
 ClientSampleId :

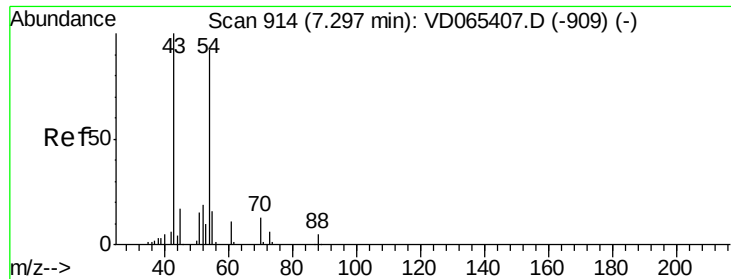
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	23.2	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 21.752 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	18.1	54.1
77	31.5	25.2	37.8

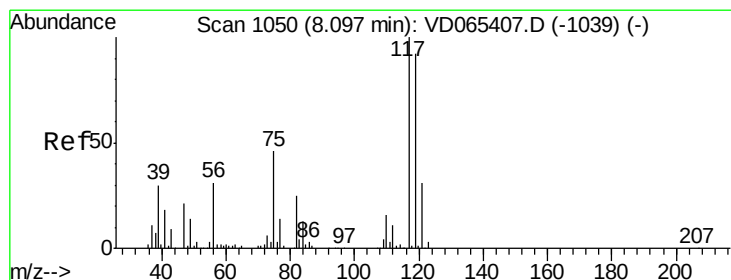
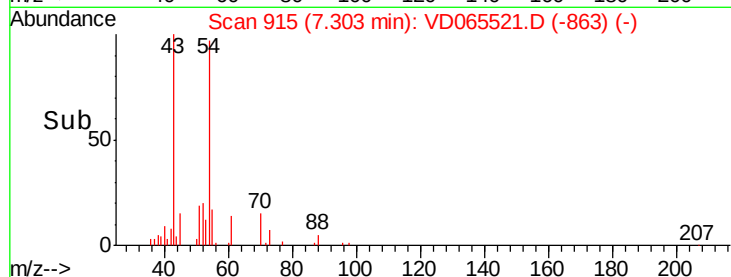
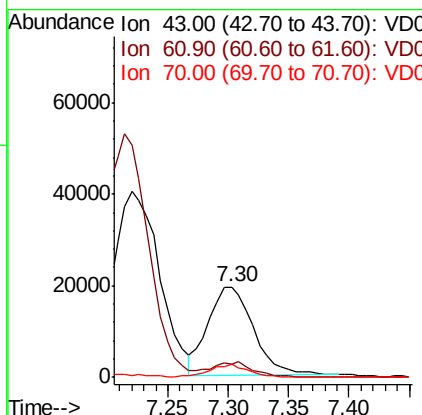
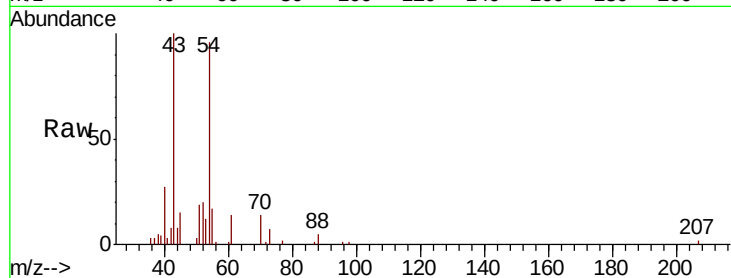




#37
Ethyl Acetate
Concen: 22.215 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

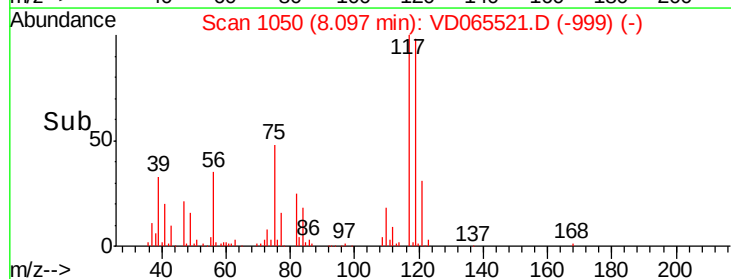
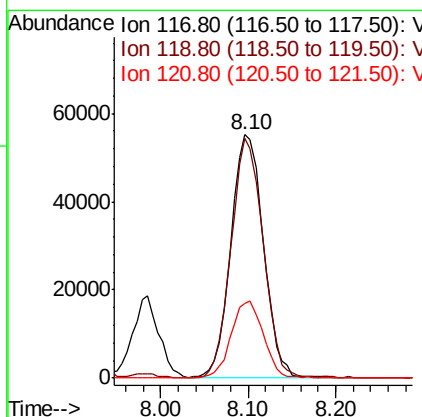
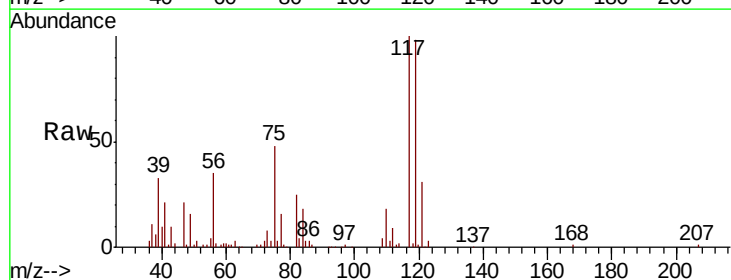
Instrument :
MSVOA_D
ClientSampleId :

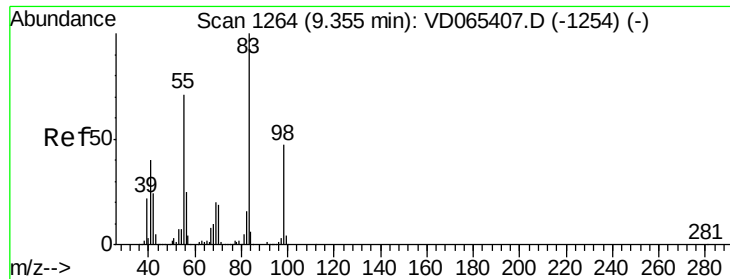
Tot Ion: 43 Resp: 51079
Ion Ratio Lower Upper
43 100
61 15.6 11.4 17.0
70 12.4 9.0 13.4



#38
Carbon Tetrachloride
Concen: 22.692 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 117 Resp: 139985
Ion Ratio Lower Upper
117 100
119 98.3 73.3 109.9
121 30.9 25.0 37.4

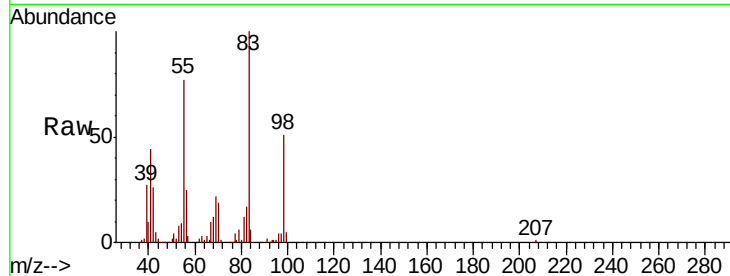




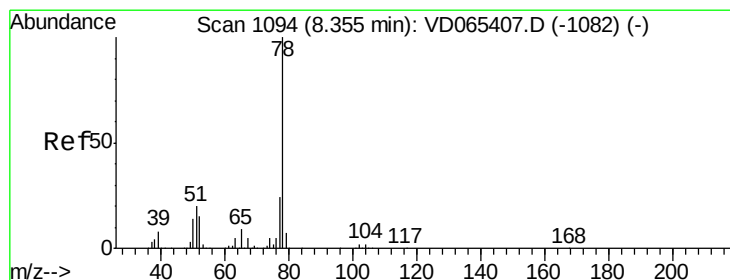
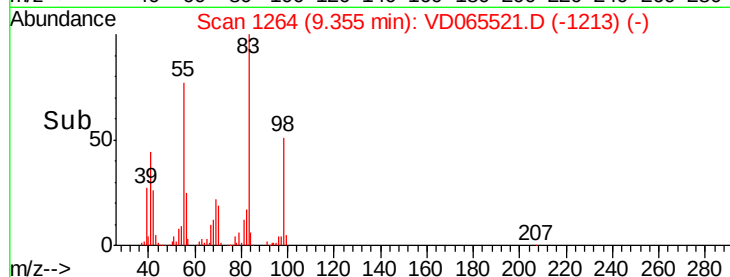
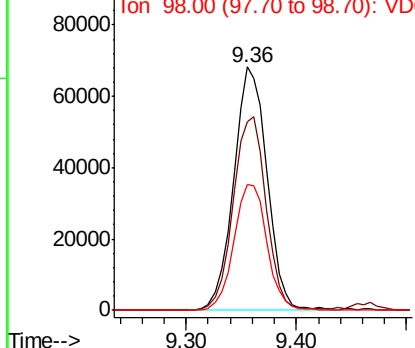
#39
Methylvlcyclohexane
Concen: 20.173 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 144939
Ion Ratio Lower Upper
83 100
55 77.5 57.1 85.7
98 51.4 37.8 56.8

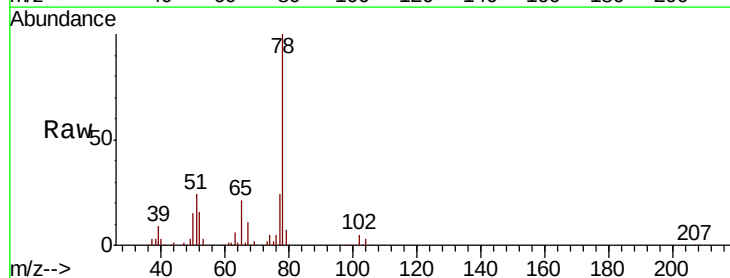


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

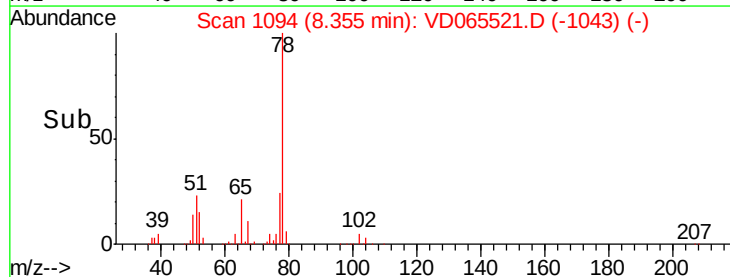
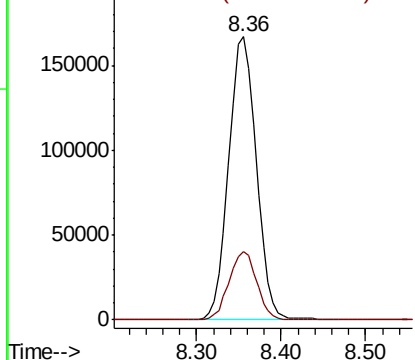


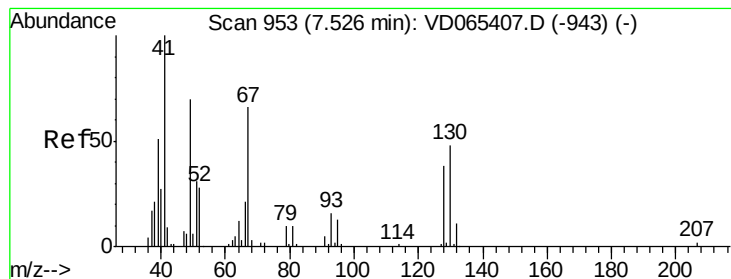
#40
Benzene
Concen: 22.702 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 78 Resp: 377598
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



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





#41

Methacrylonitrile

Concen: 23.594 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 28690

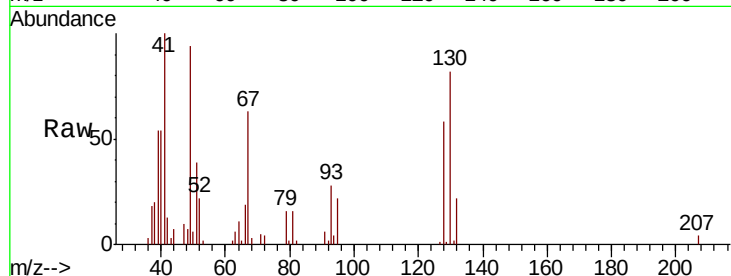
Ion Ratio Lower Upper

41 100

39 70.1 55.0 82.6

67 75.9 70.3 105.5

52 31.2 30.7 46.1

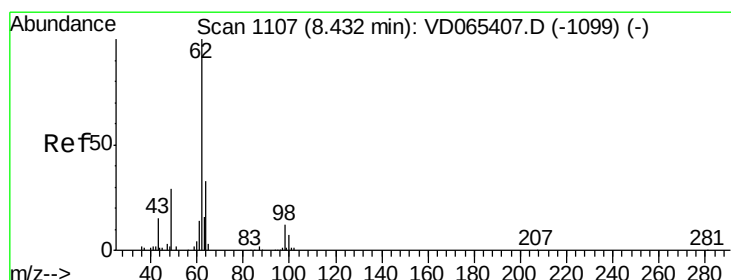
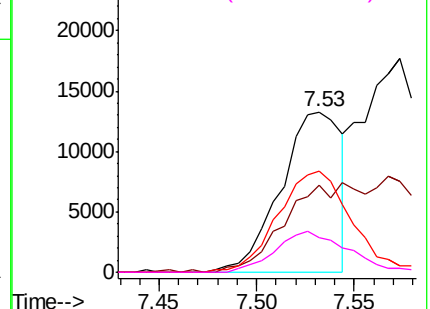
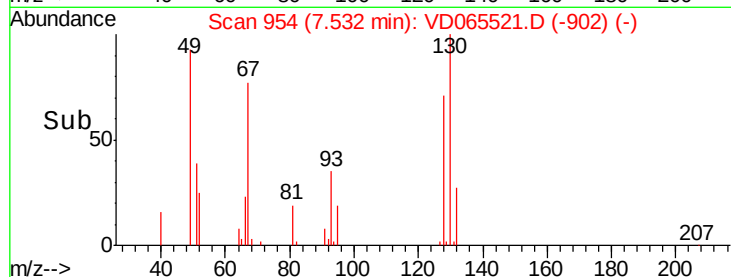


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.299 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065521.D

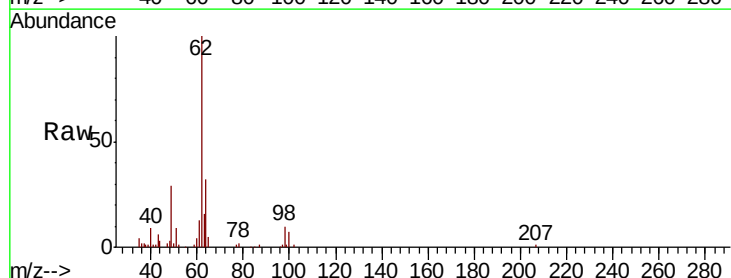
Acq: 24 Mar 2020 16:00

Tgt Ion: 62 Resp: 105536

Ion Ratio Lower Upper

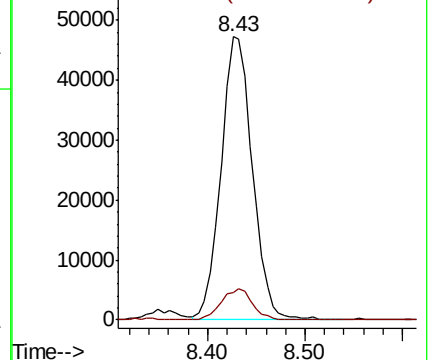
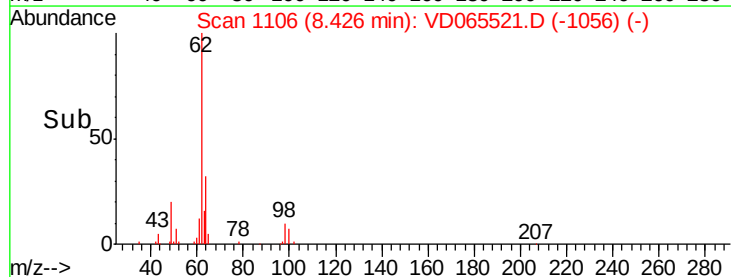
62 100

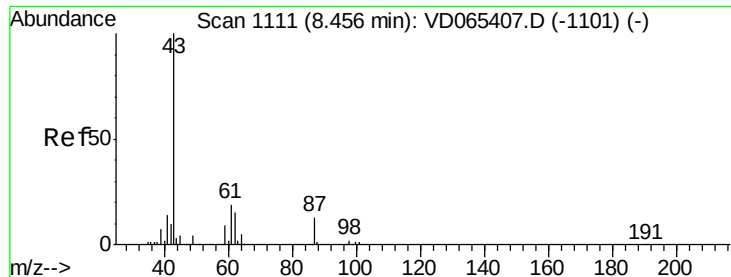
98 10.9 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 22.148 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampled :

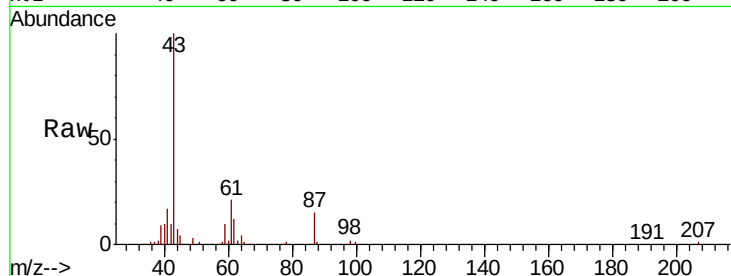
Tot Ion: 43 Resp: 94031

Ion Ratio Lower Upper

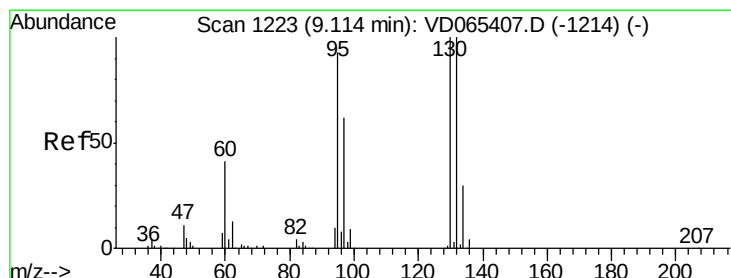
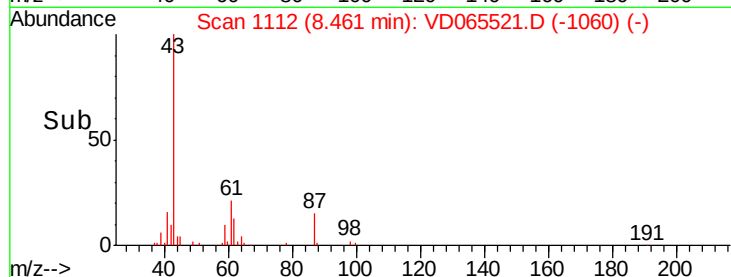
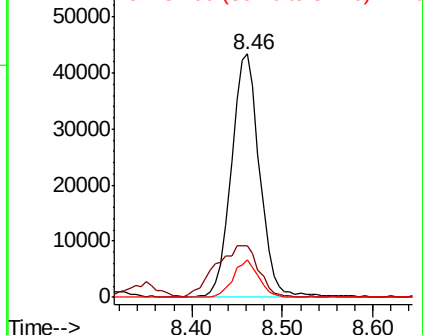
43 100

61 32.5 25.0 37.6

87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.033 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065521.D

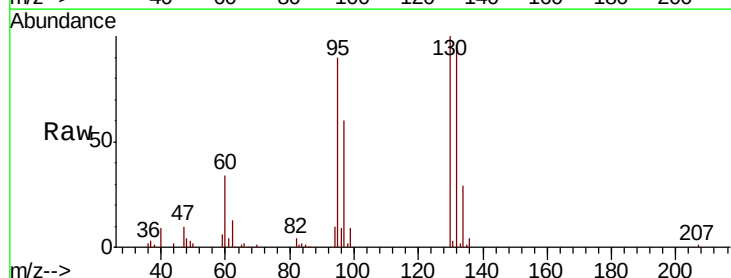
Acq: 24 Mar 2020 16:00

Tgt Ion:130 Resp: 108191

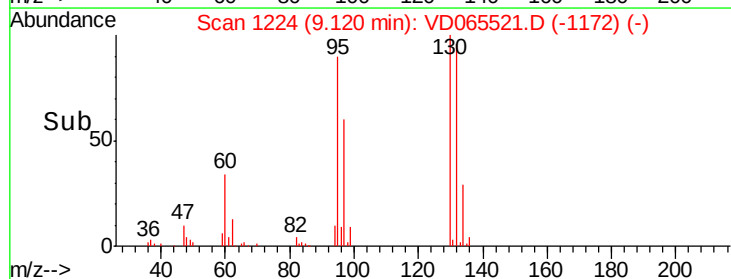
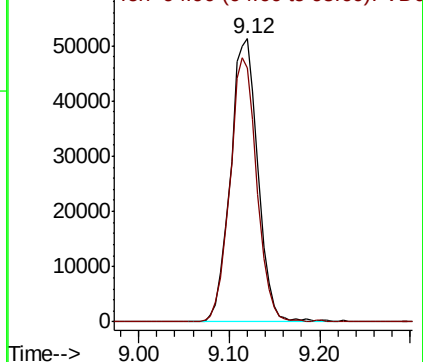
Ion Ratio Lower Upper

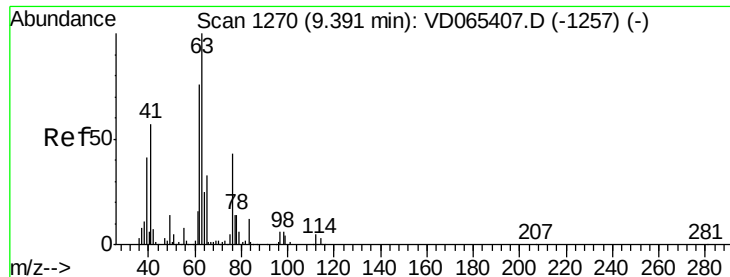
130 100

95 89.8 0.0 186.0



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

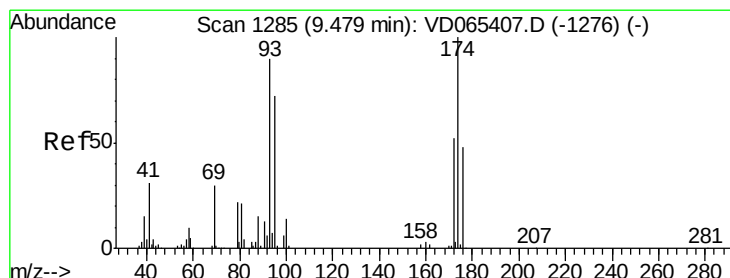
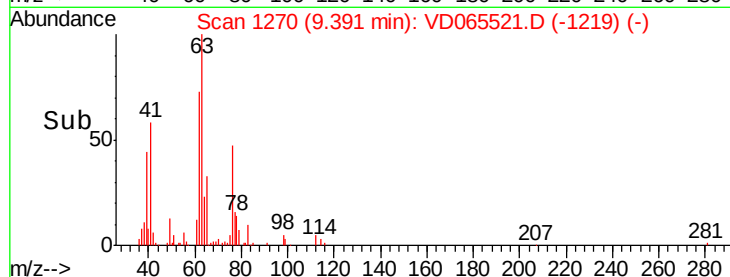
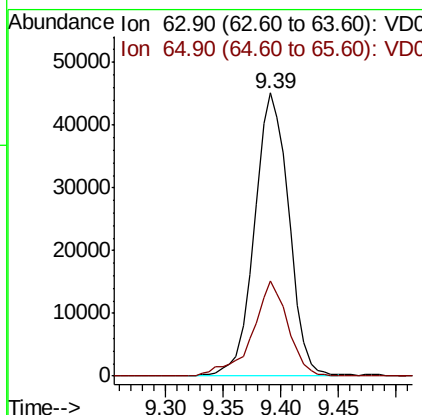
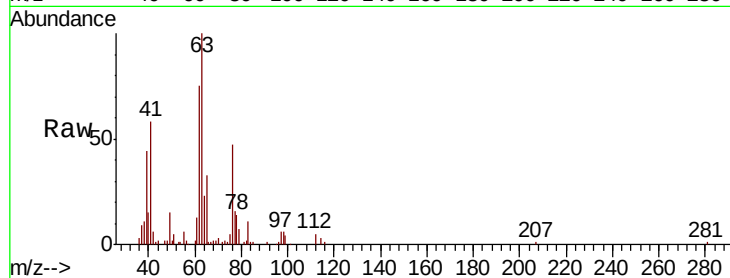




#45
 1,2-Dichloropropane
 Concen: 23.236 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

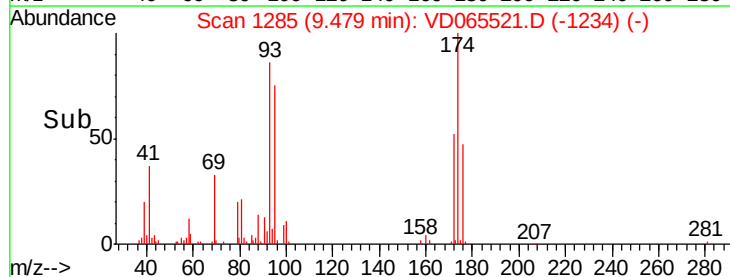
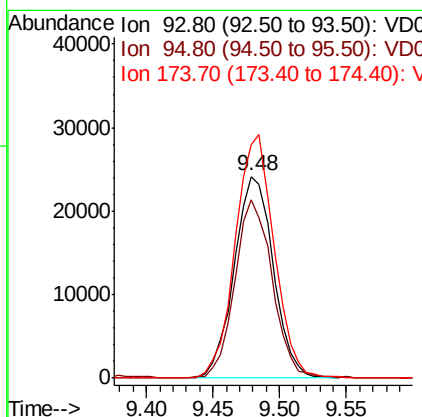
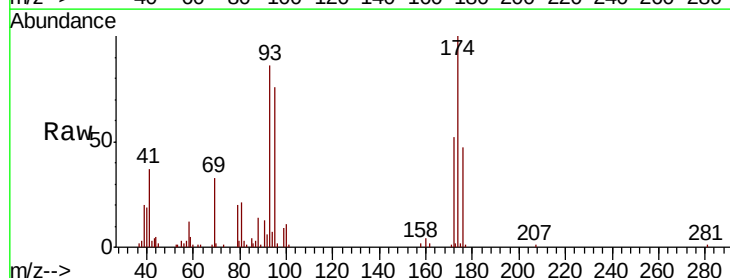
Instrument :
 MSVOA_D
 ClientSampled :

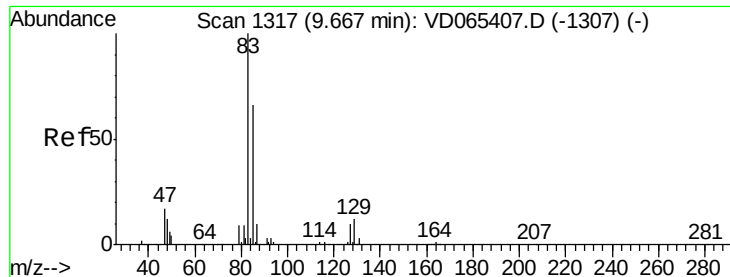
Tot Ion: 63 Resp: 93617
 Ion Ratio Lower Upper
 63 100
 65 33.5 26.4 39.6



#46
 Dibromomethane
 Concen: 23.506 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 93 Resp: 49124
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.0 97.6
 174 119.6 88.3 132.5





#47

Bromodichloromethane

Concen: 23.672 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

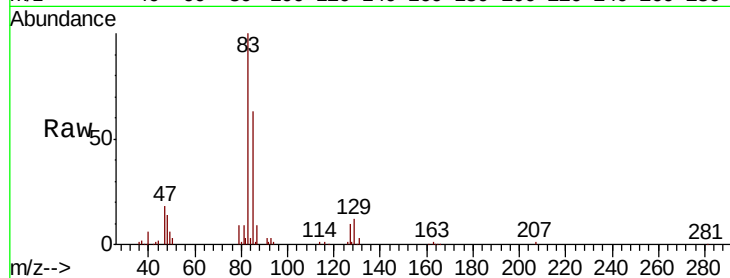
Tot Ion: 83 Resp: 128704

Ion Ratio Lower Upper

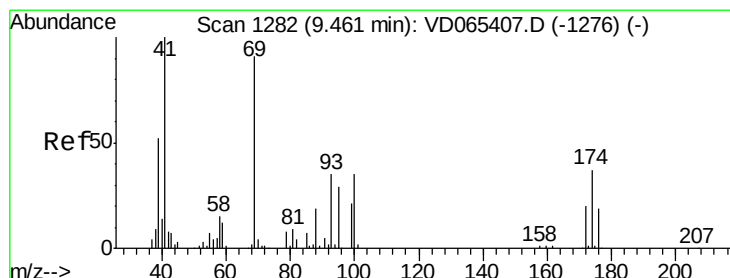
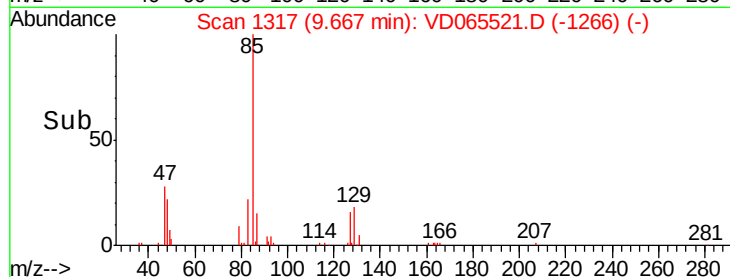
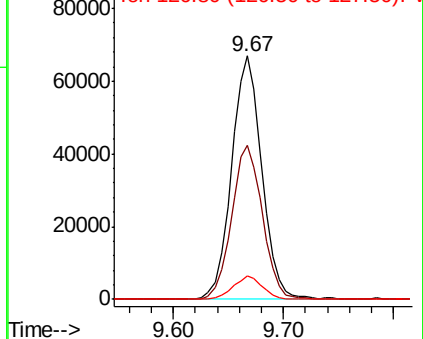
83 100

85 63.4 52.8 79.2

127 9.8 8.0 12.0



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



#48

Methyl methacrylate

Concen: 22.215 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

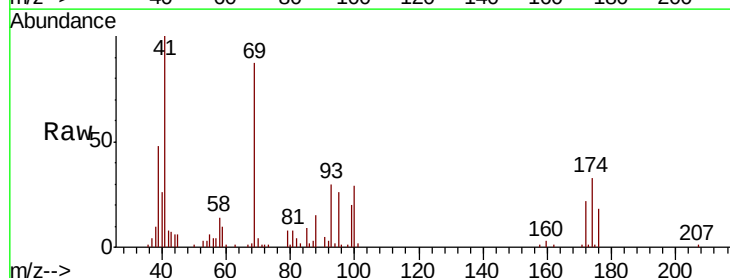
Tgt Ion: 41 Resp: 44365

Ion Ratio Lower Upper

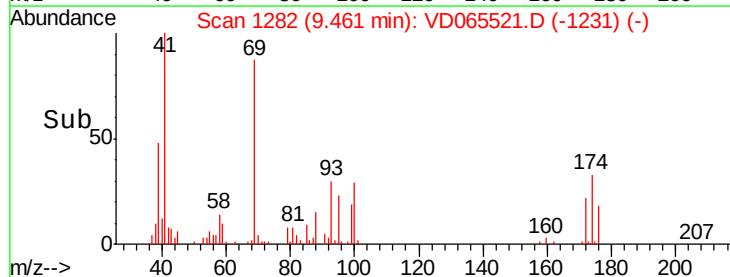
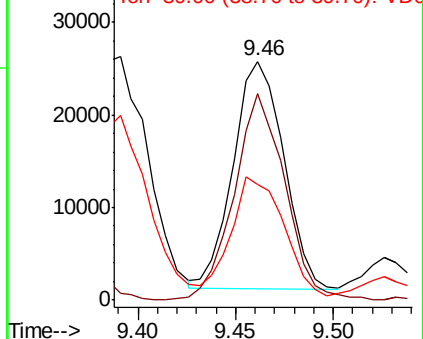
41 100

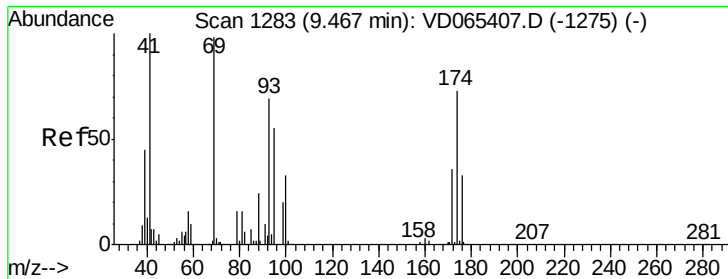
69 91.2 72.5 108.7

39 53.1 41.6 62.4



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

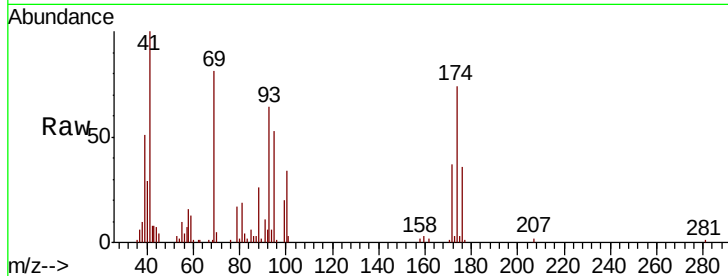




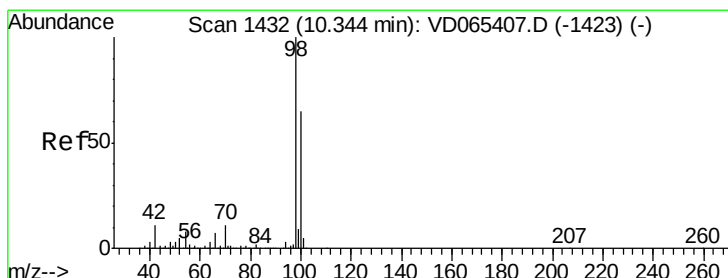
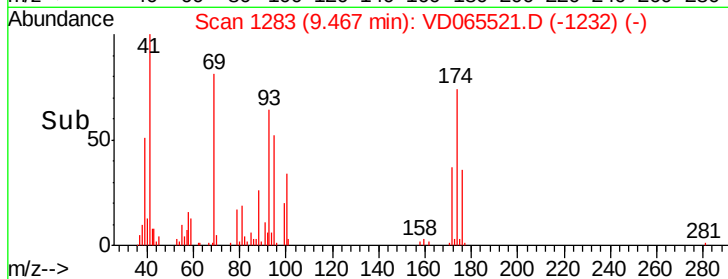
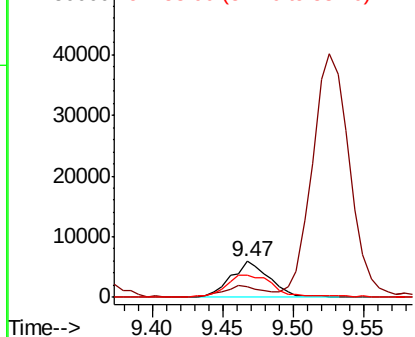
#49
1,4-Dioxane
Concen: 472.286 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11290
Ion Ratio Lower Upper
88 100
43 34.0 24.5 36.7
58 75.8 54.5 81.7

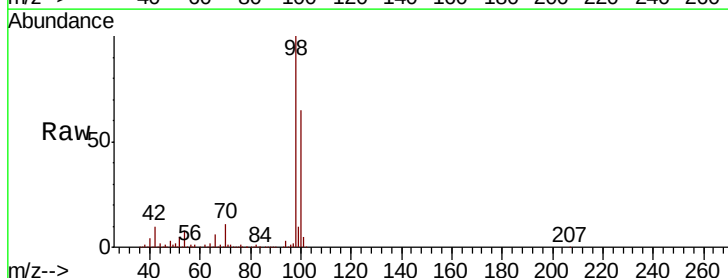


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

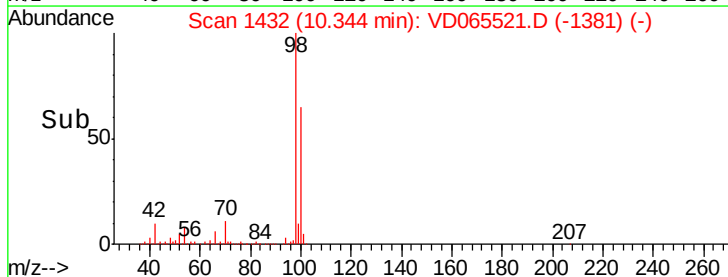
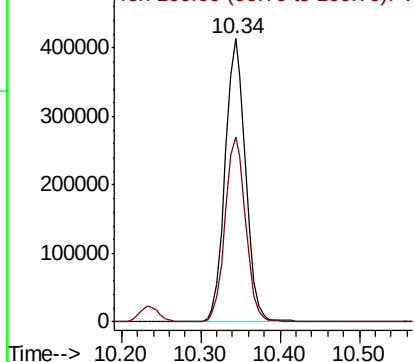


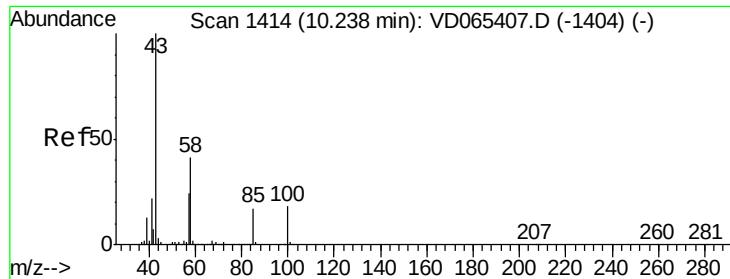
#50
Toluene-d8
Concen: 49.926 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 98 Resp: 735075
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



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

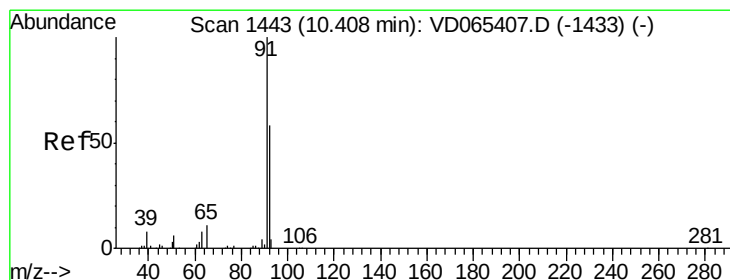
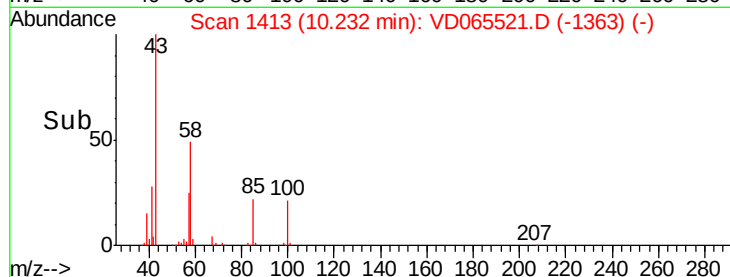
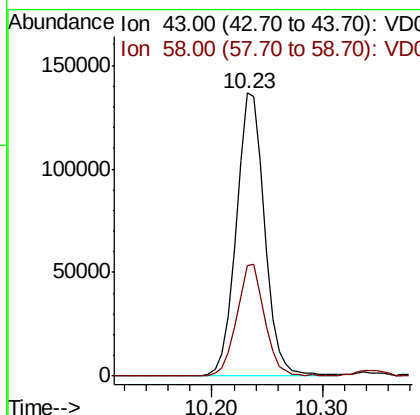
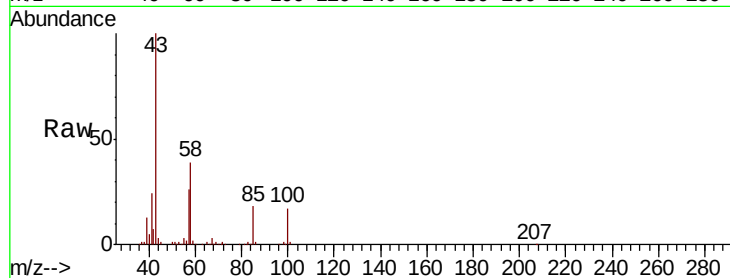




#51
 4-Methyl-2-Pentanone
 Concen: 115.866 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

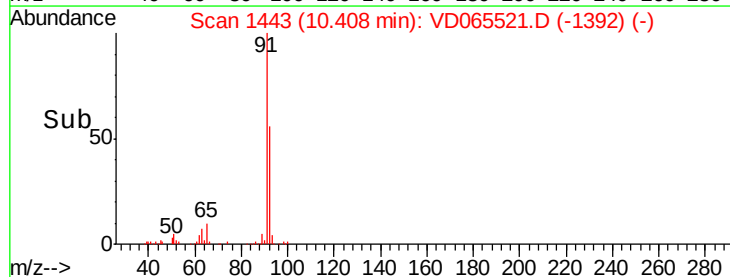
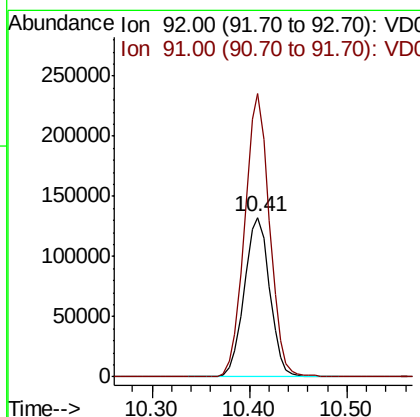
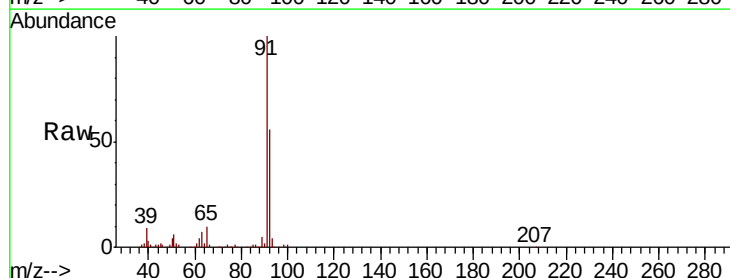
Instrument :
 MSVOA_D
 ClientSampleId :

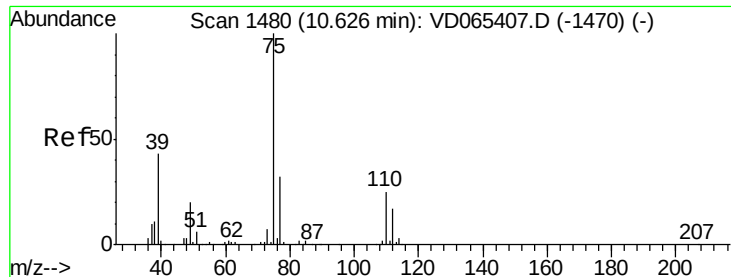
Tot Ion: 43 Resp: 247544
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.6



#52
 Toluene
 Concen: 23.034 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 92 Resp: 241349
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 23.332 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

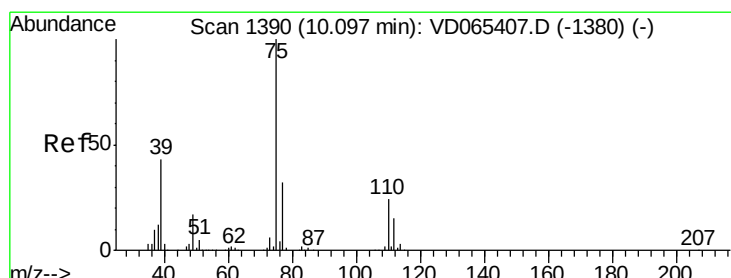
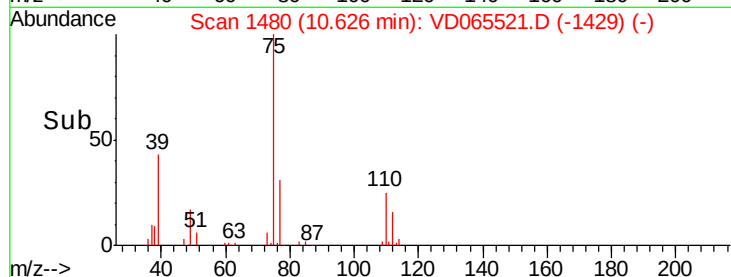
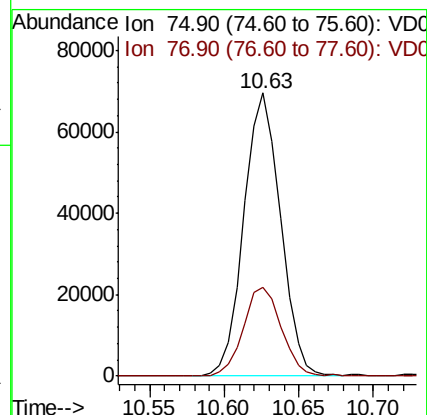
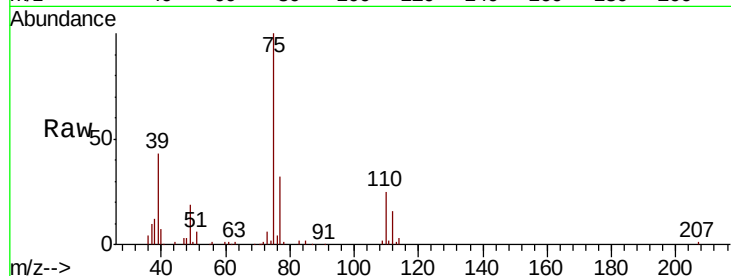
ClientSampleId :

Tot Ion: 75 Resp: 118547

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.601 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

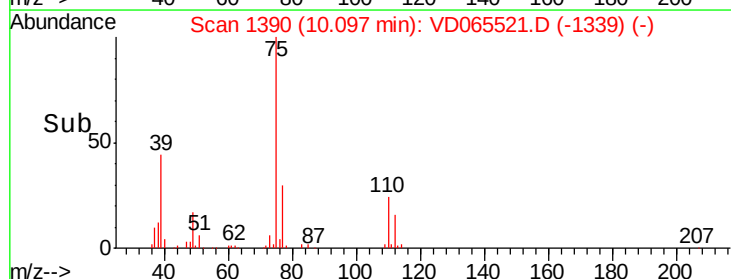
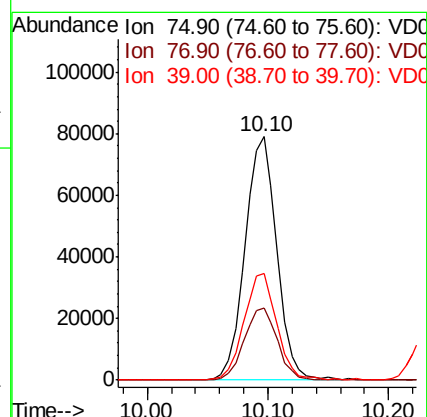
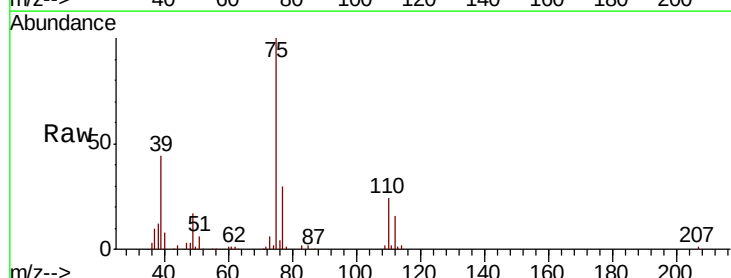
Tgt Ion: 75 Resp: 145147

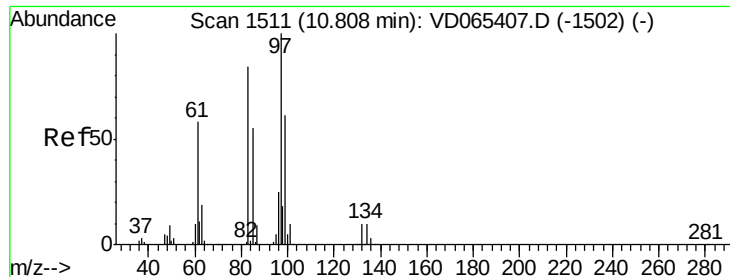
Ion Ratio Lower Upper

75 100

77 29.5 25.3 37.9

39 43.5 34.6 52.0

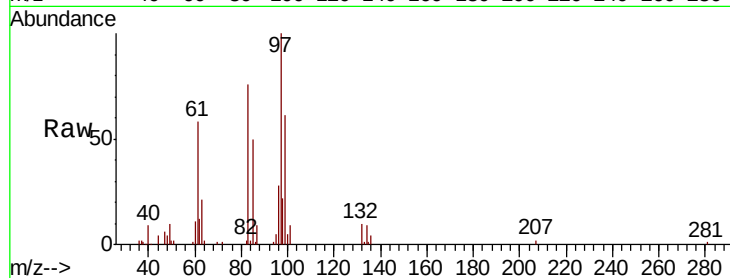




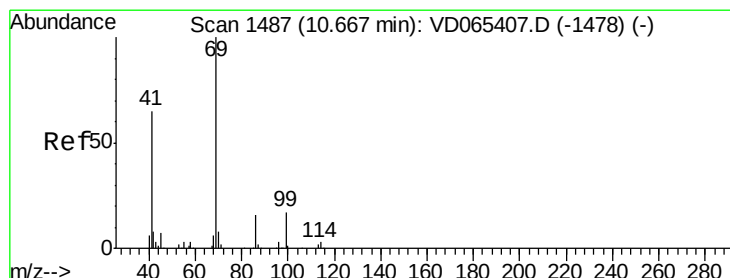
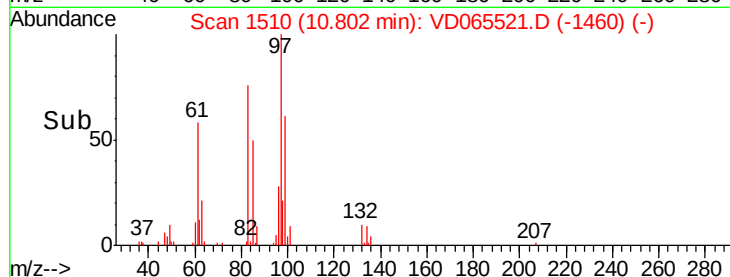
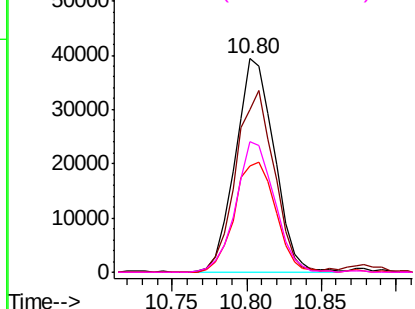
#55
 1,1,2-Trichloroethane
 Concen: 24.079 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 71273
 Ion Ratio Lower Upper
 97 100
 83 76.0 67.4 101.0
 85 49.5 43.8 65.8
 99 61.3 48.8 73.2

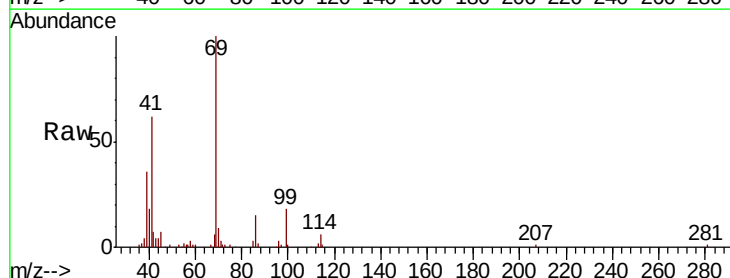


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

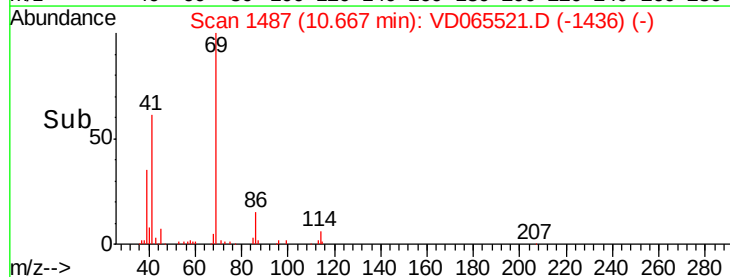
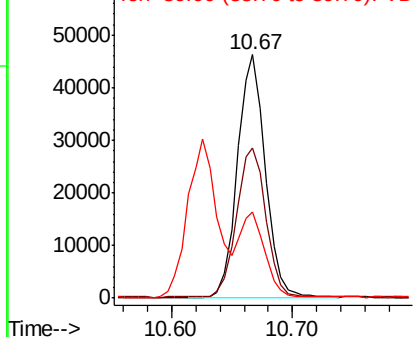


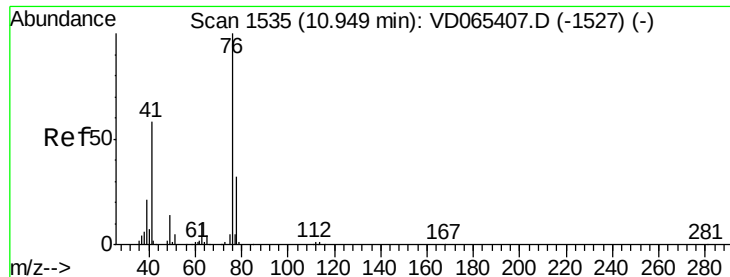
#56
 Ethyl methacrylate
 Concen: 22.476 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 69 Resp: 75000
 Ion Ratio Lower Upper
 69 100
 41 64.0 53.0 79.6
 39 31.9 26.0 39.0



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: 23.678 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

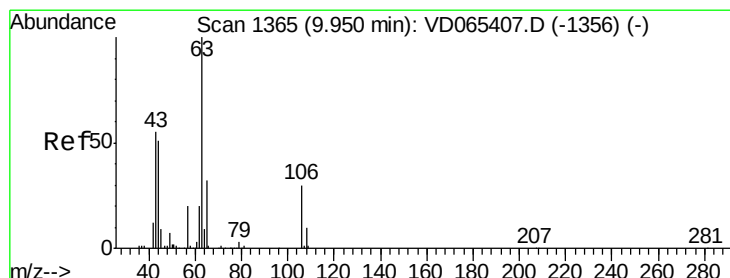
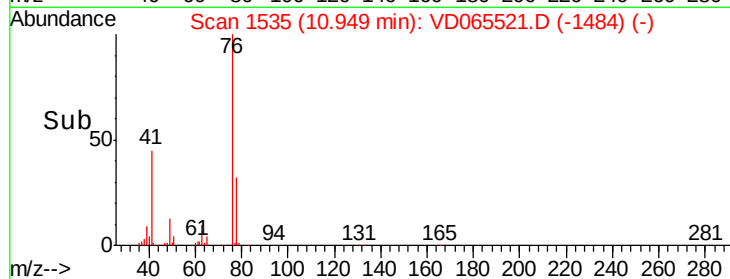
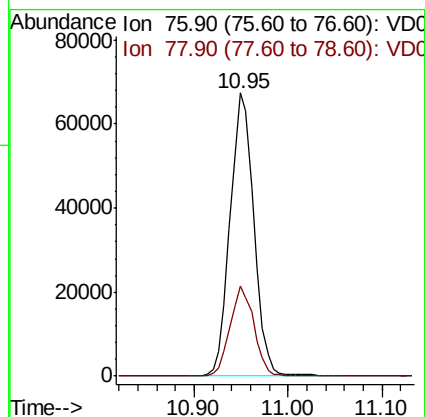
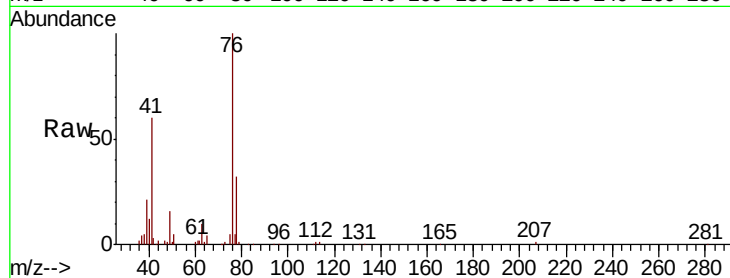
ClientSampleId :

Tot Ion: 76 Resp: 118586

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 106.112 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065521.D

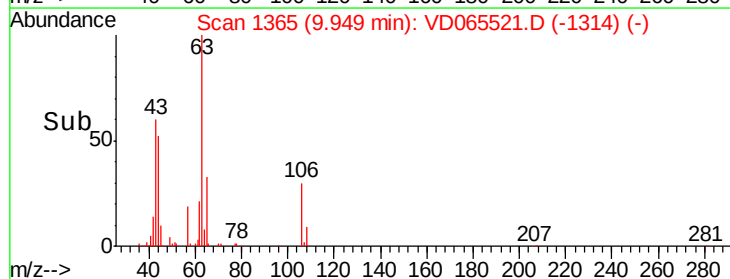
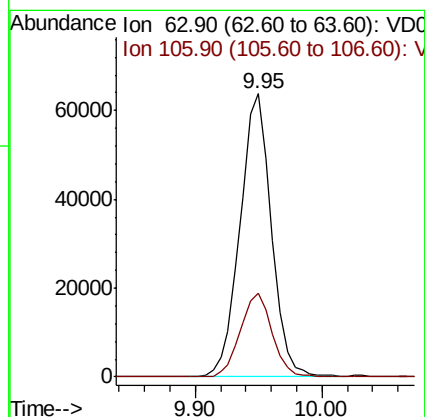
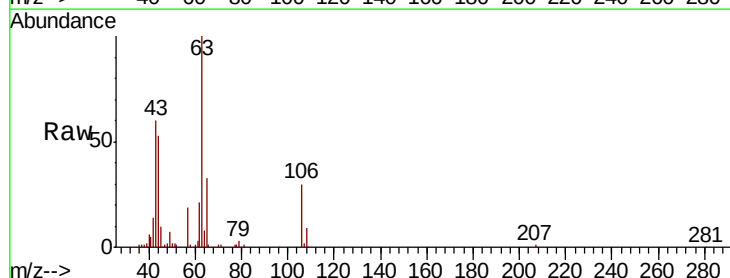
Acq: 24 Mar 2020 16:00

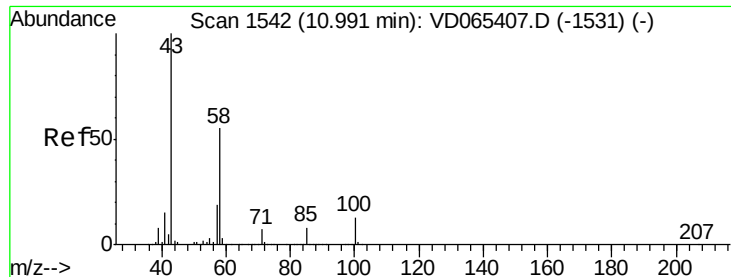
Tgt Ion: 63 Resp: 109346

Ion Ratio Lower Upper

63 100

106 29.8 23.3 34.9

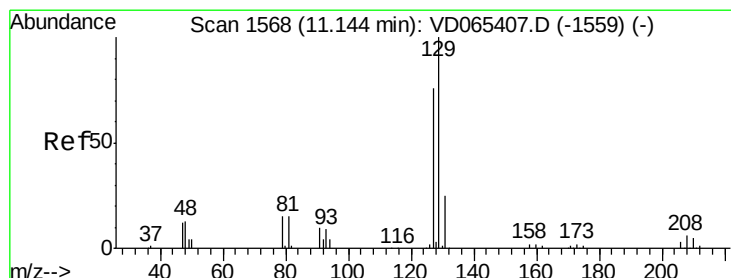
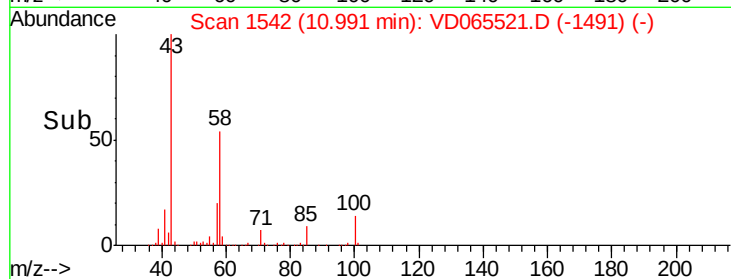
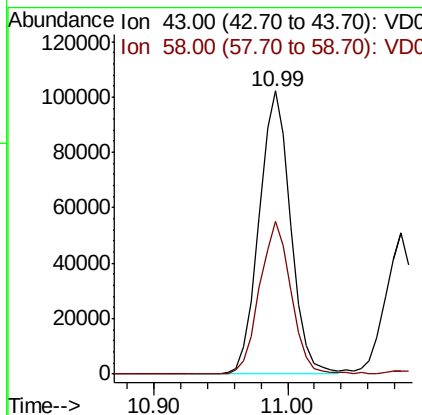
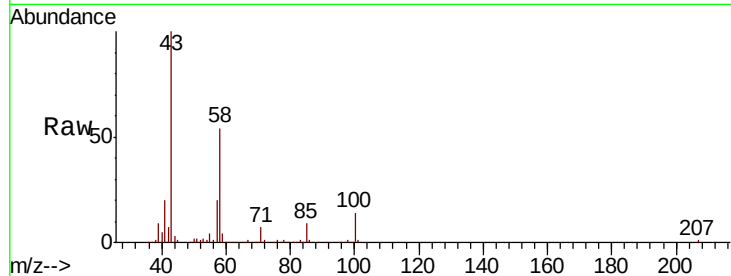




#59
2-Hexanone
Concen: 112.398 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

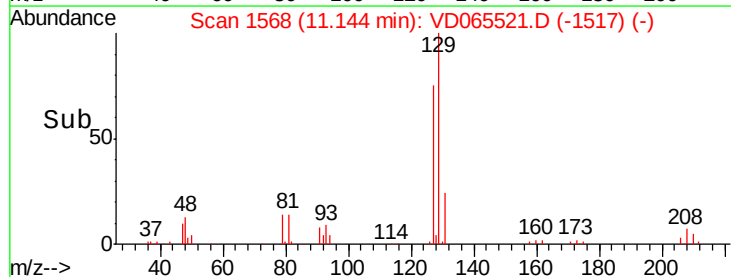
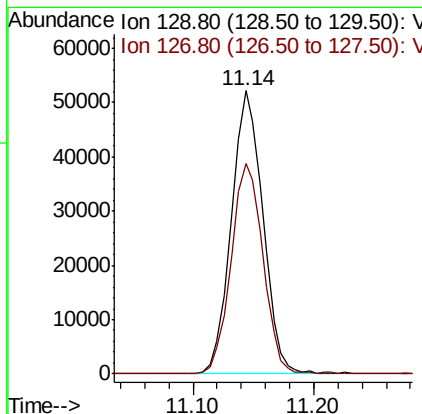
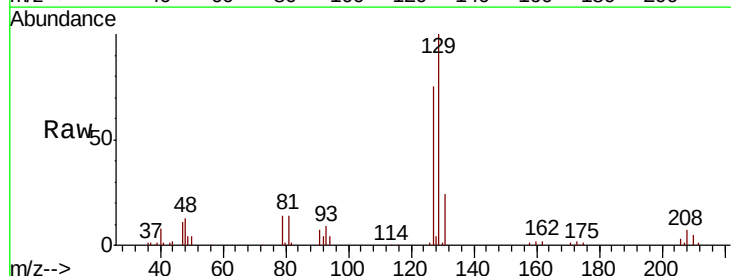
Instrument :
MSVOA_D
ClientSampled :

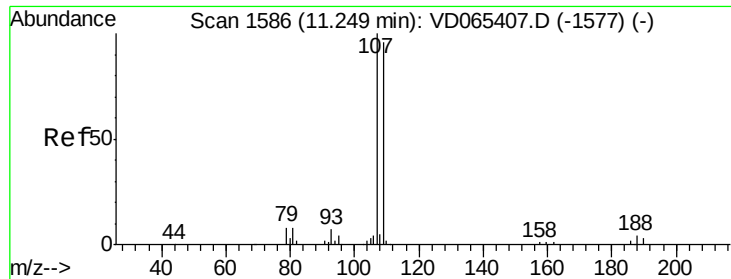
Tot Ion: 43 Resp: 166231
Ion Ratio Lower Upper
43 100
58 54.1 27.4 82.2



#60
Dibromochloromethane
Concen: 25.052 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 129 Resp: 95052
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 23.815 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

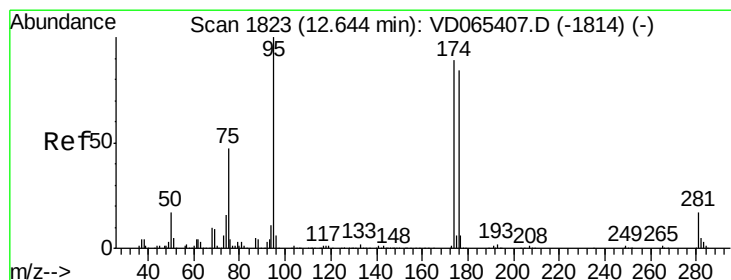
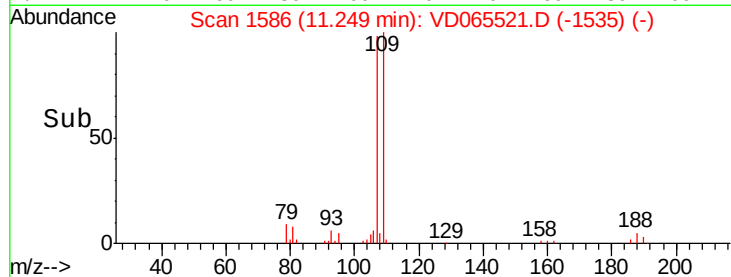
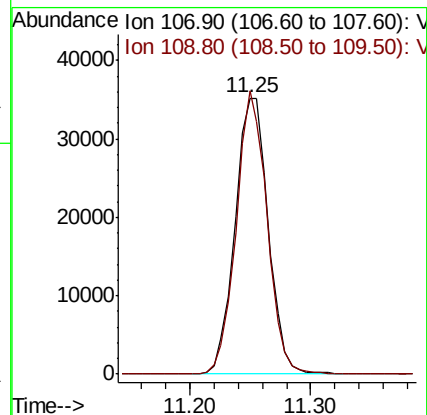
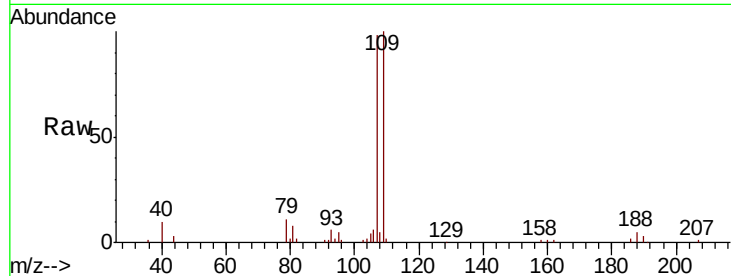
ClientSampleId :

Tot Ion:107 Resp: 67237

Ion Ratio Lower Upper

107 100

109 95.4 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 53.270 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

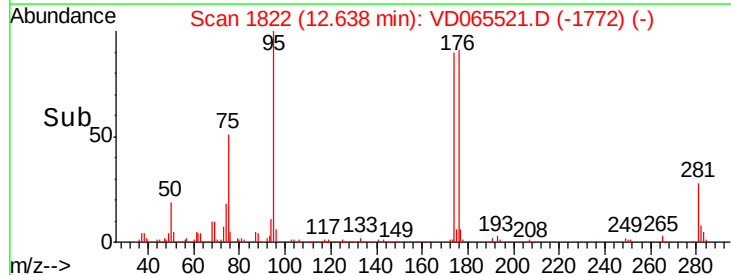
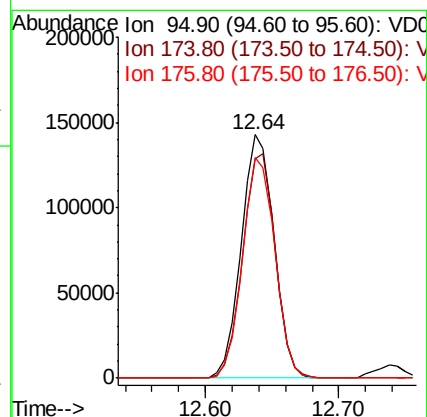
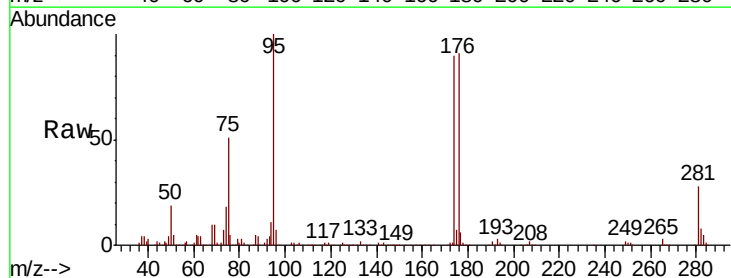
Tgt Ion: 95 Resp: 242126

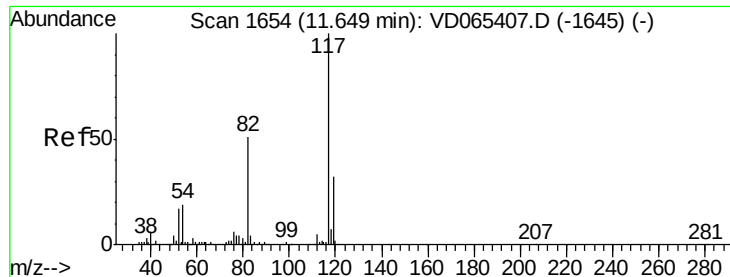
Ion Ratio Lower Upper

95 100

174 91.8 0.0 176.8

176 89.5 0.0 171.4

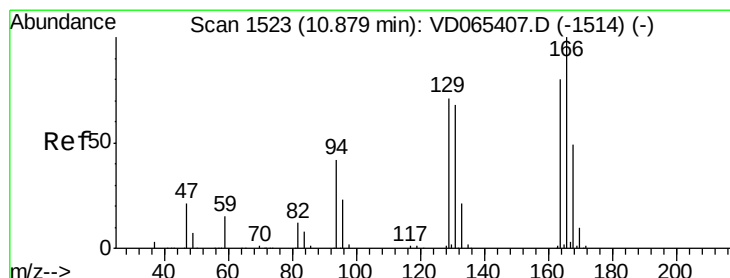
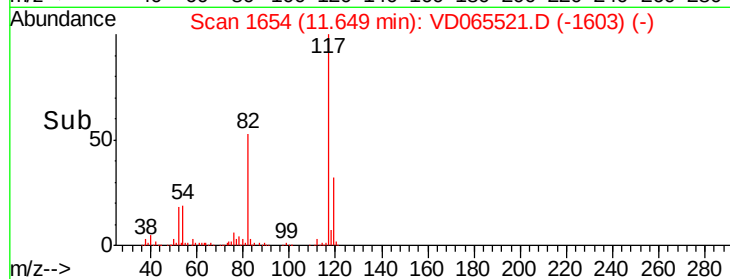
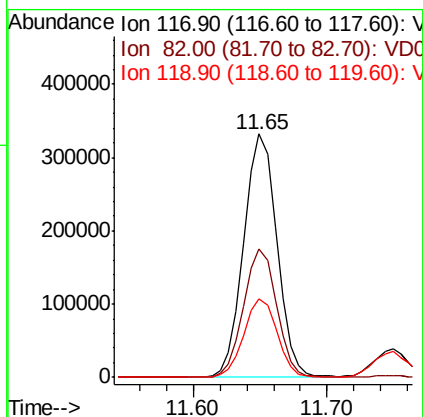
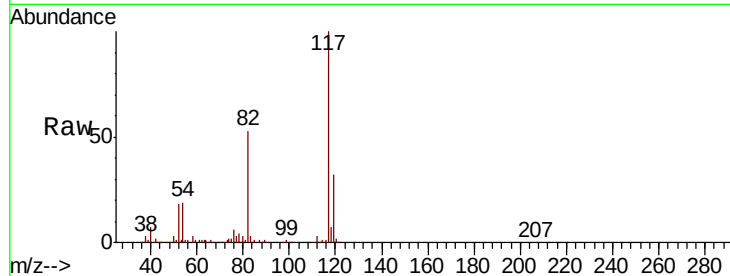




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

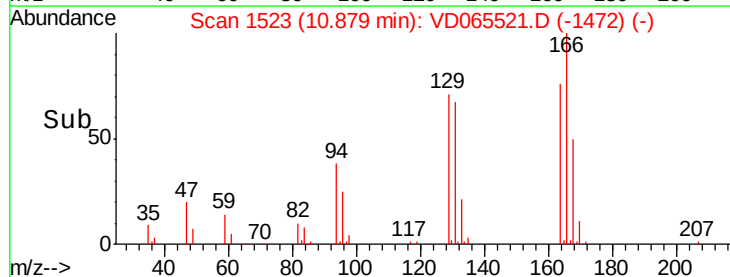
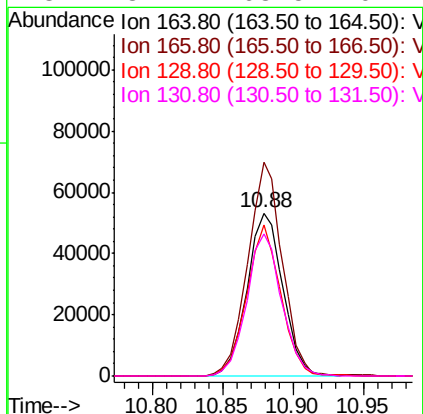
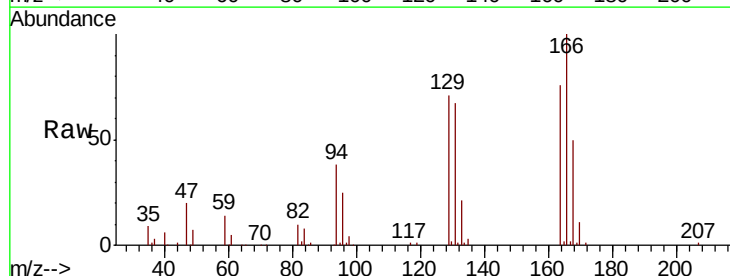
Instrument :
MSVOA_D
ClientSampled :

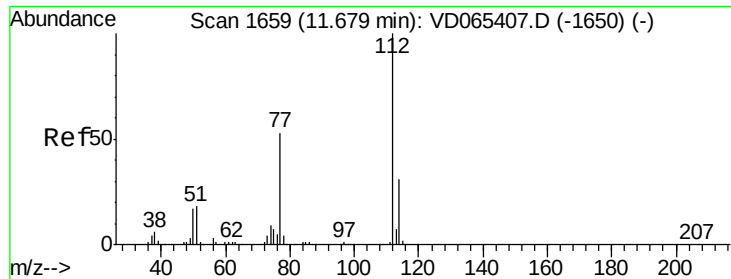
Tot Ion:117 Resp: 571998
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 23.099 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:164 Resp: 94675
Ion Ratio Lower Upper
164 100
166 131.1 100.5 150.7
129 93.1 71.5 107.3
131 87.2 68.5 102.7

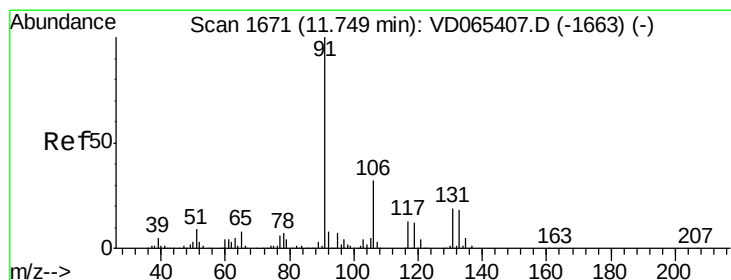
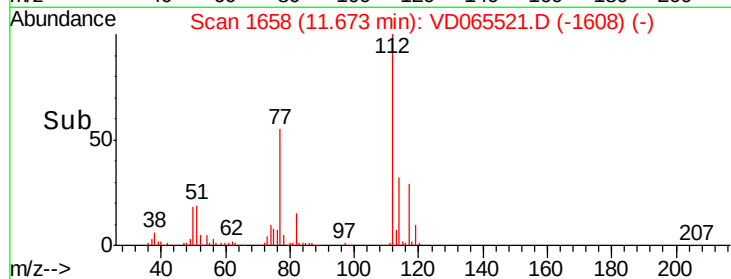
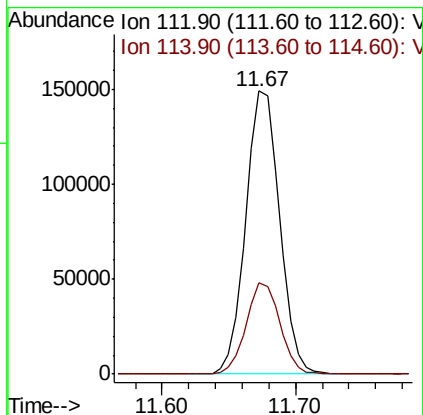
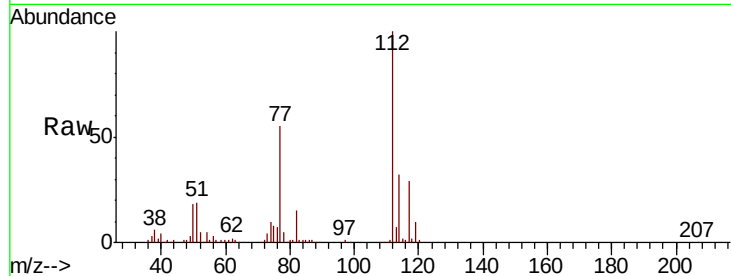




#65
Chlorobenzene
Concen: 23.091 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

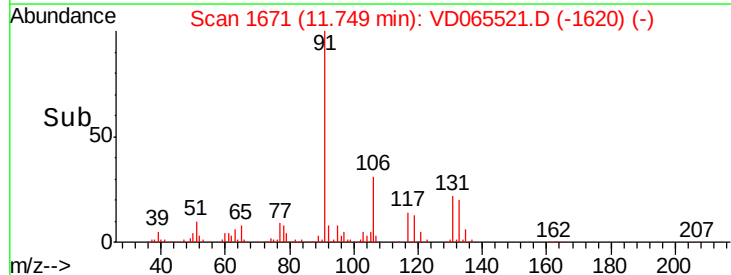
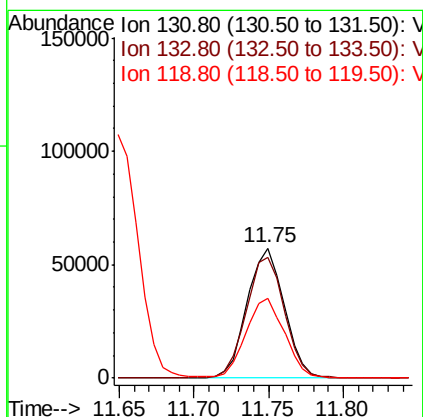
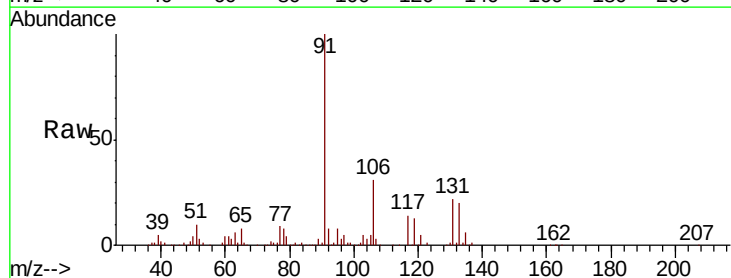
Instrument :
MSVOA_D
ClientSampleId :

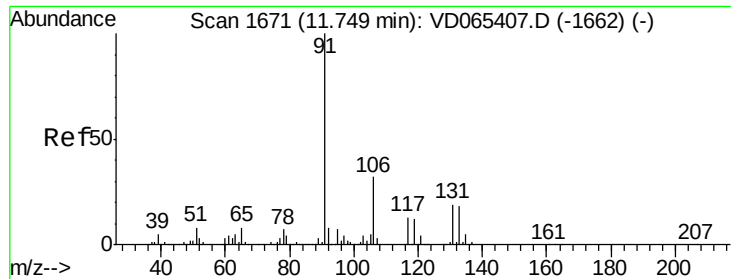
Tot Ion:112 Resp: 261373
Ion Ratio Lower Upper
112 100
114 32.2 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 24.016 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:131 Resp: 99004
Ion Ratio Lower Upper
131 100
133 96.2 49.2 147.6
119 64.1 33.3 99.8

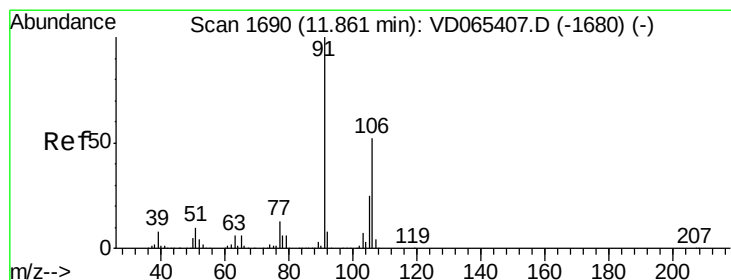
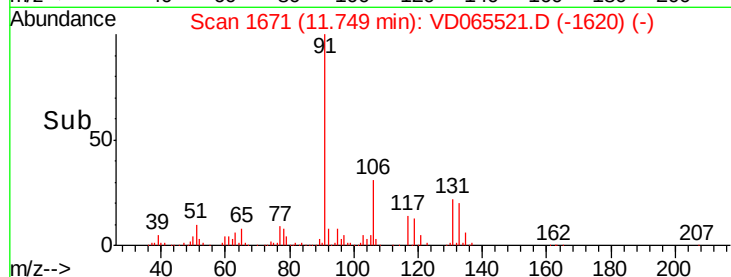
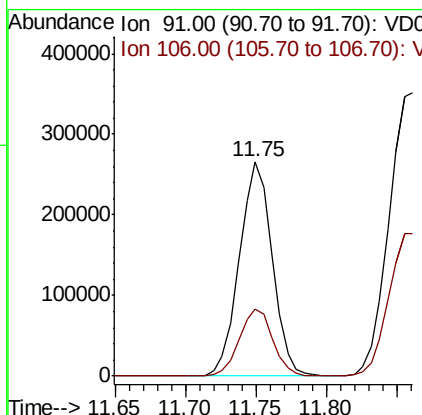
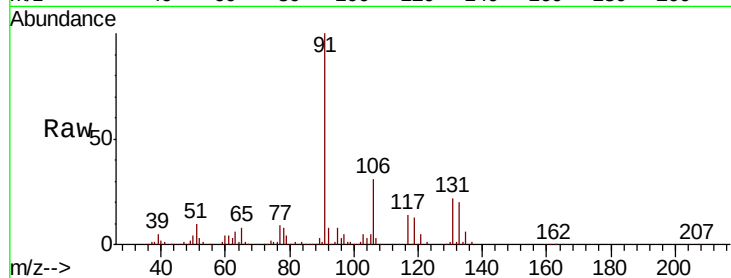




#67
Ethyl Benzene
Concen: 22.224 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

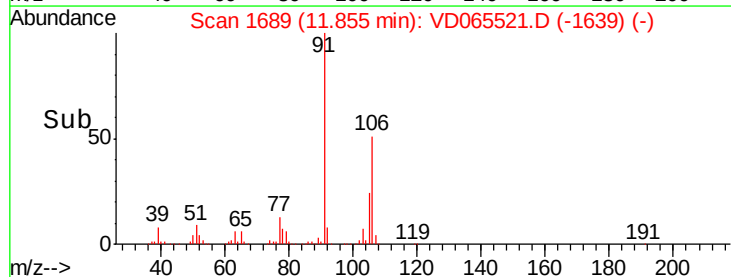
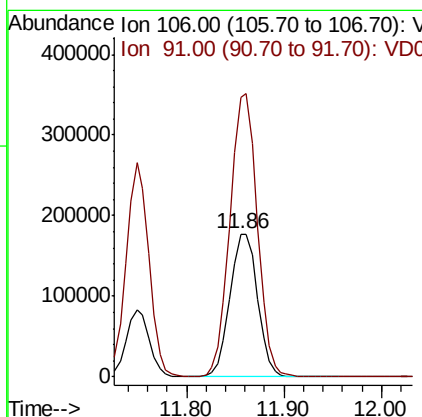
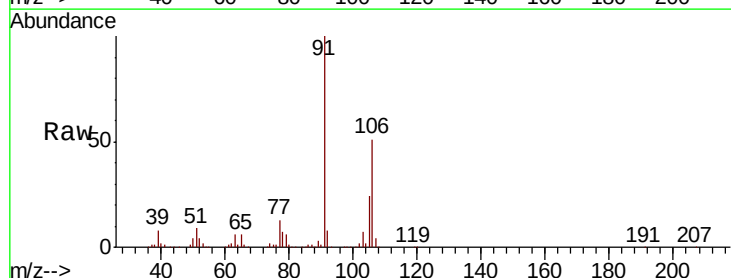
Instrument :
MSVOA_D
ClientSampled :

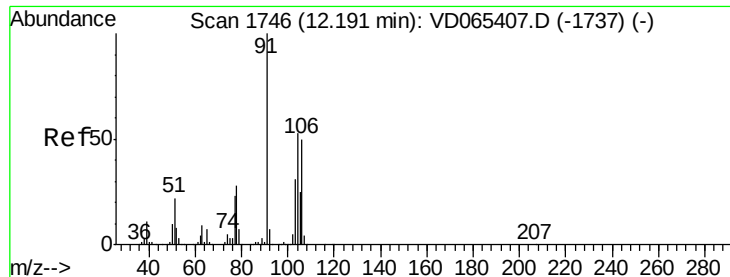
Tot Ion: 91 Resp: 434672
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8



#68
m/p-Xylenes
Concen: 46.436 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 106 Resp: 350193
Ion Ratio Lower Upper
106 100
91 195.3 155.9 233.9

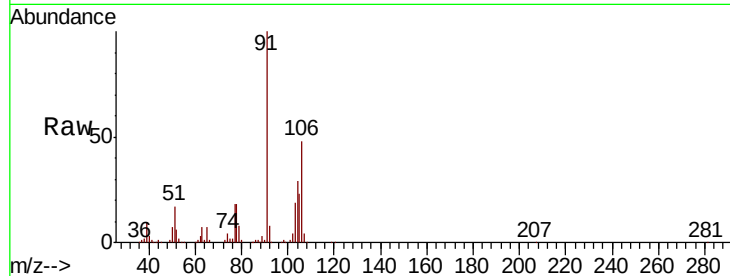




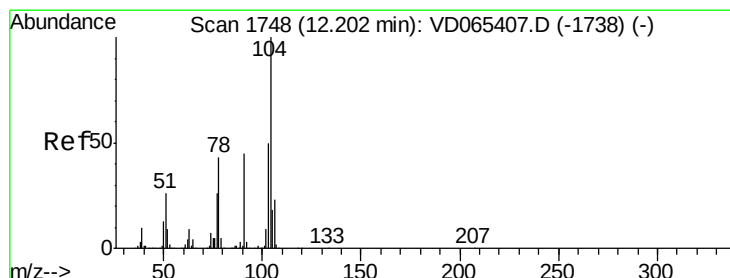
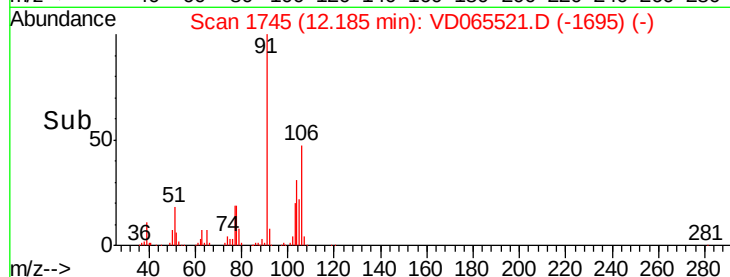
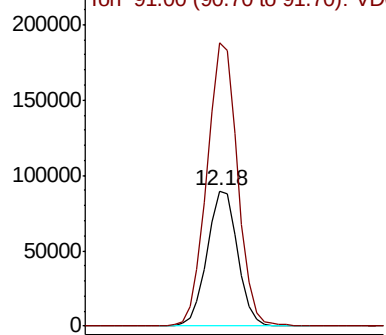
#69
o-Xylene
Concen: 22.530 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 149460
Ion Ratio Lower Upper
106 100
91 210.3 103.5 310.3

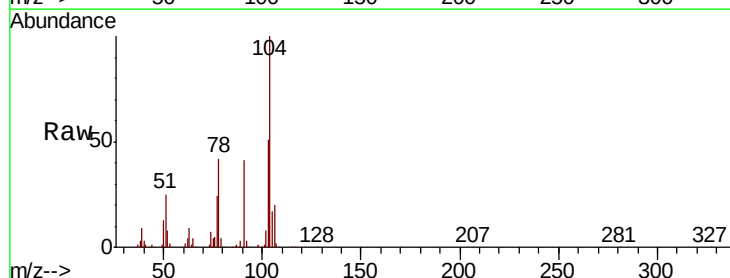


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

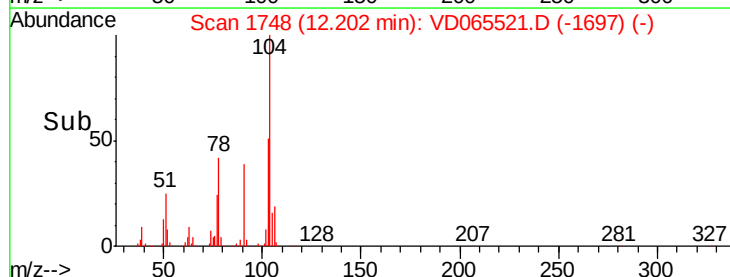
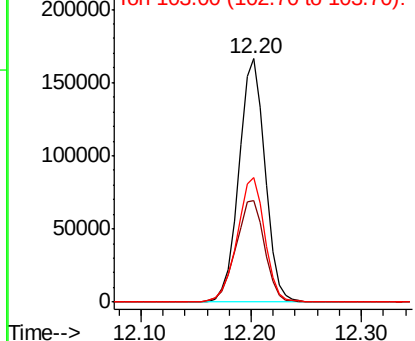


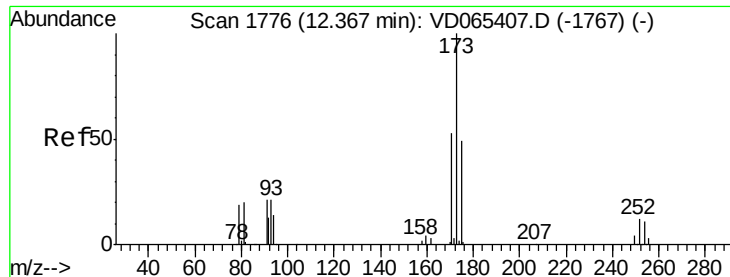
#70
Styrene
Concen: 23.754 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:104 Resp: 277327
Ion Ratio Lower Upper
104 100
78 46.1 37.7 56.5
103 53.8 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 24.157 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

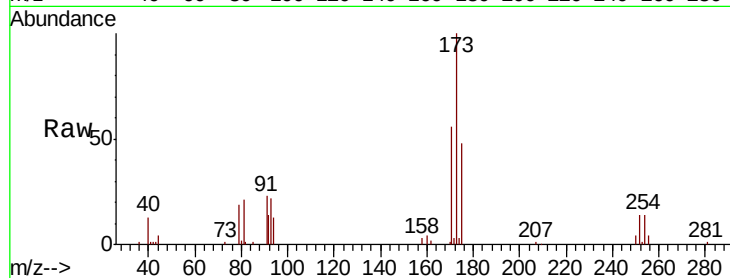
Tot Ion:173 Resp: 55937

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

254 0.0 0.1 0.1#

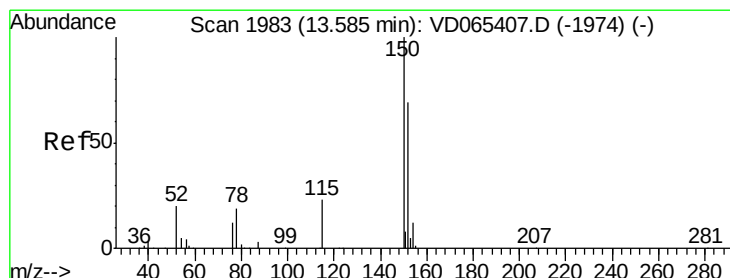
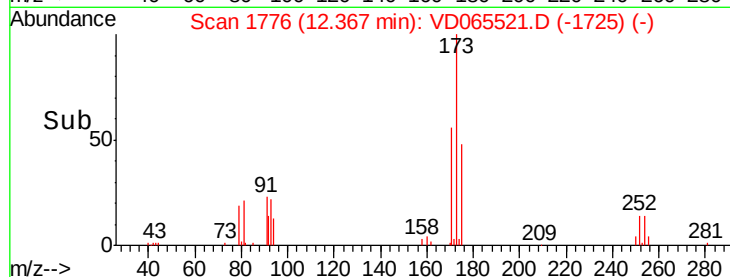
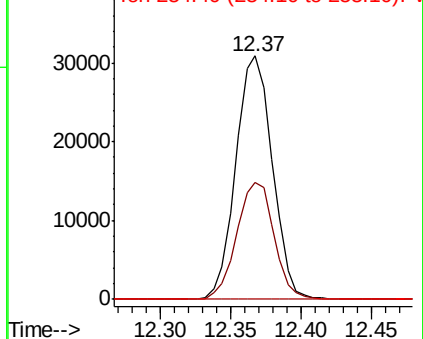


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

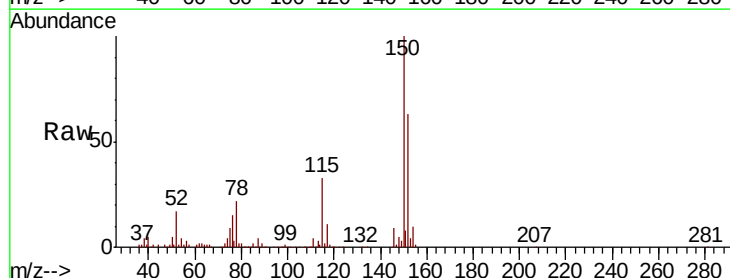
Tgt Ion:152 Resp: 299634

Ion Ratio Lower Upper

152 100

115 53.6 27.6 82.8

150 163.8 0.0 345.0

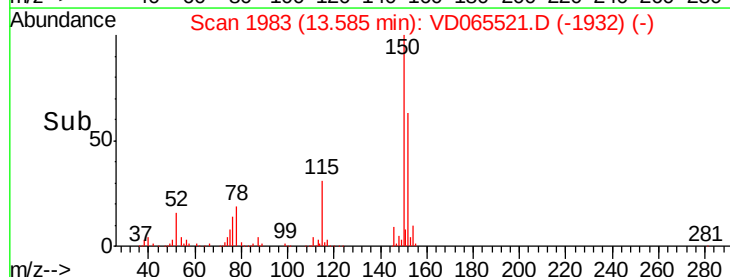
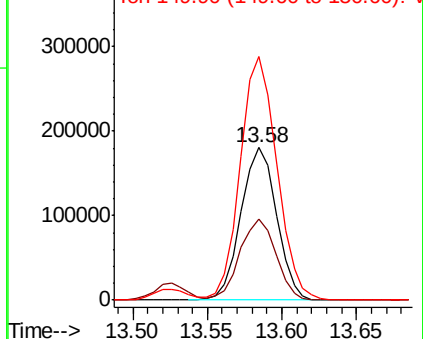


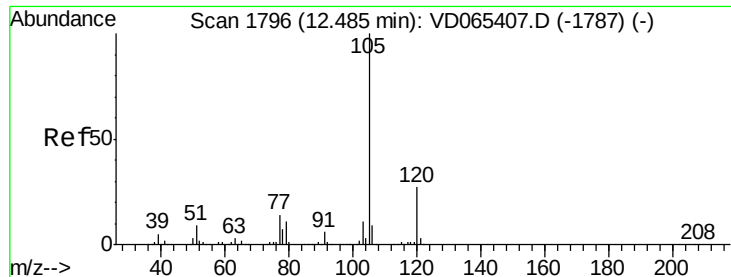
Abundance

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: 21.017 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

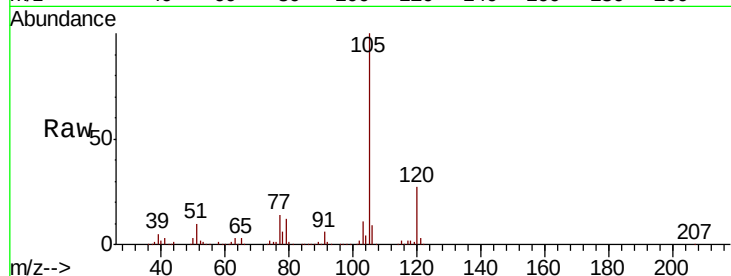
ClientSampled :

Tot Ion:105 Resp: 414218

Ion Ratio Lower Upper

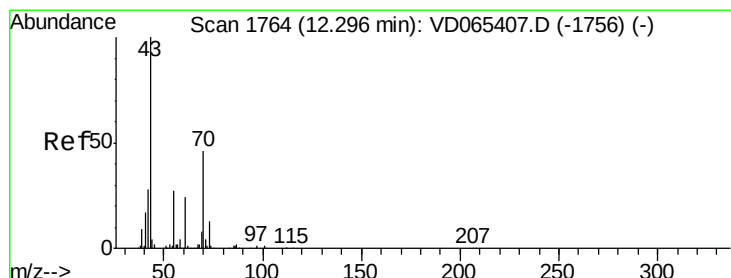
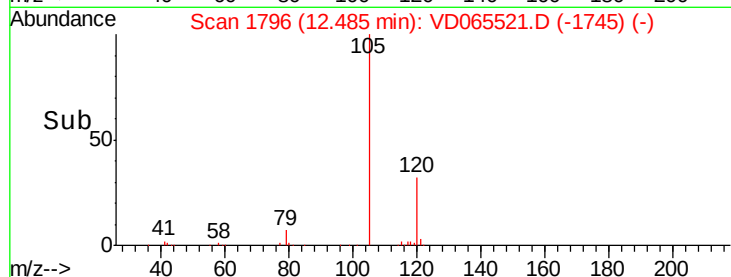
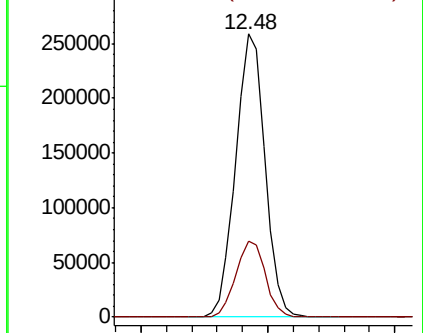
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.783 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion: 43 Resp: 83853

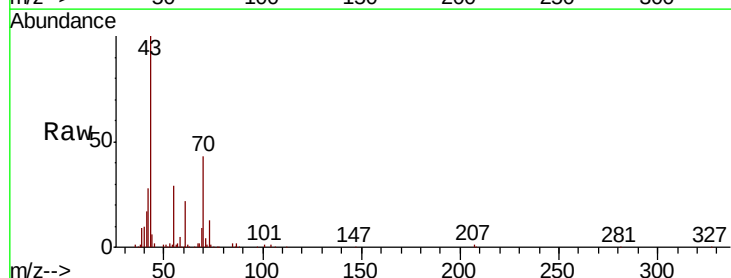
Ion Ratio Lower Upper

43 100

70 44.4 36.1 54.1

55 29.3 21.6 32.4

61 22.8 19.6 29.4

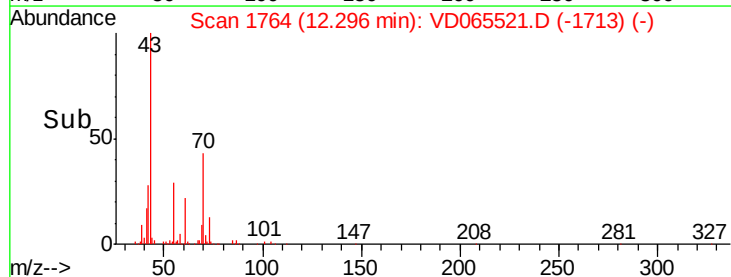
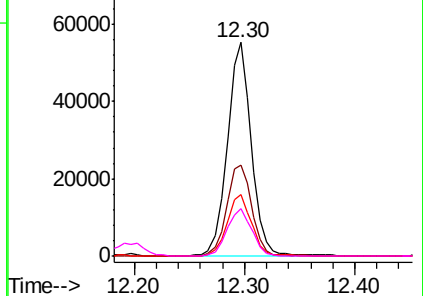


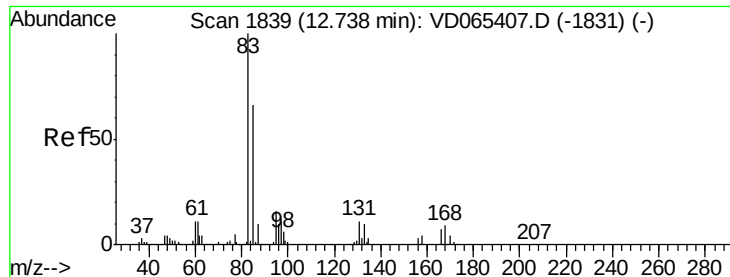
Abundance Ion 43.00 (42.70 to 43.70): V

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

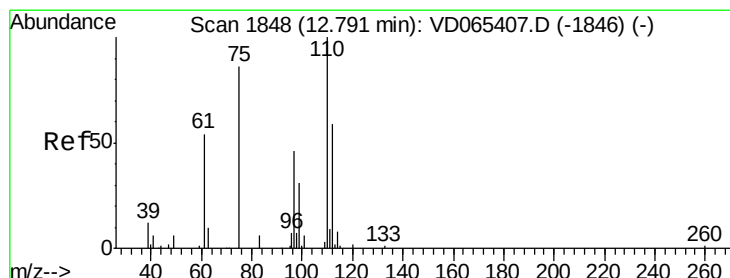
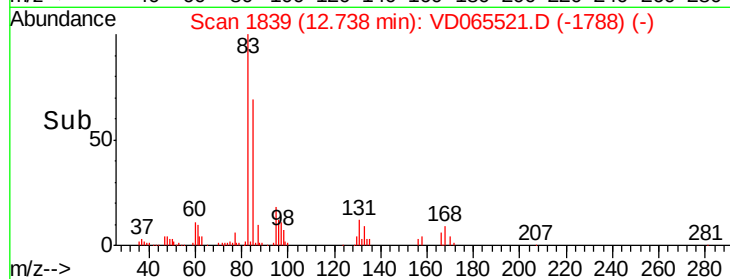
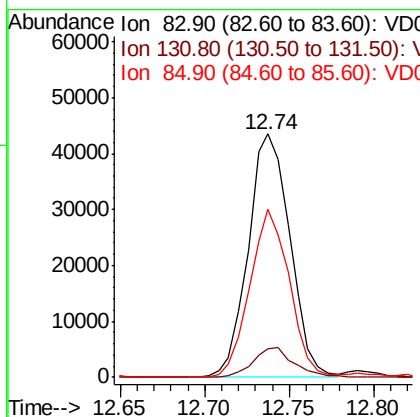
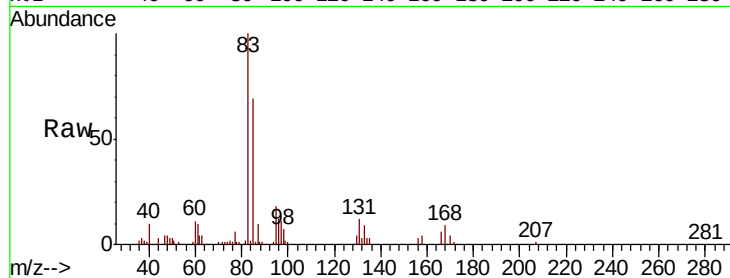




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.627 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

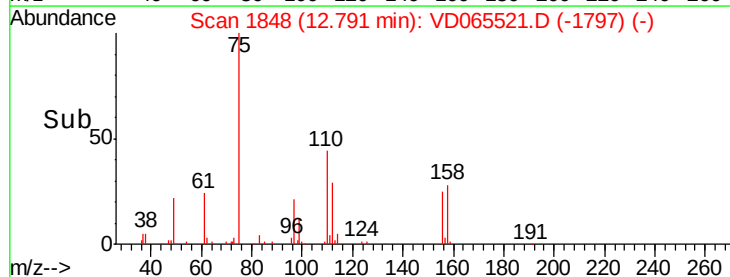
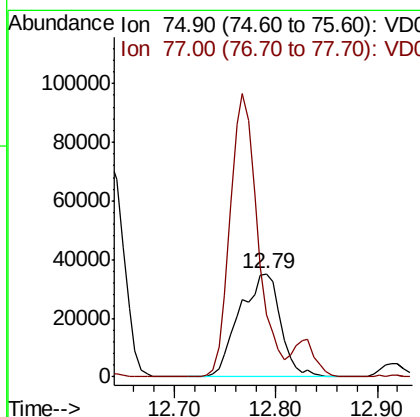
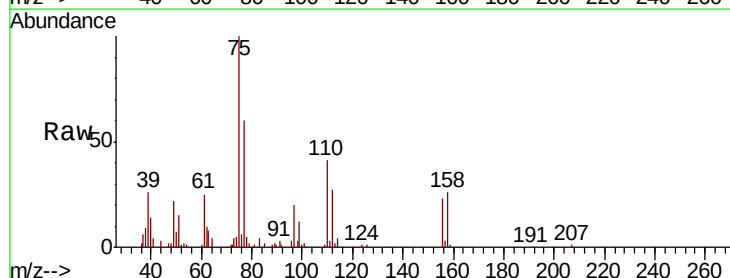
Instrument :
 MSVOA_D
 ClientSampleId :

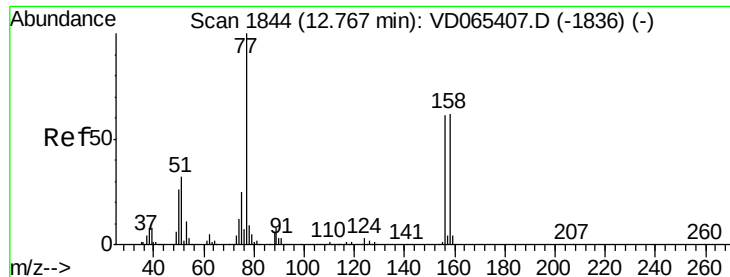
Tot Ion: 83 Resp: 74921
 Ion Ratio Lower Upper
 83 100
 131 12.1 5.4 16.2
 85 65.5 33.0 98.9



#76
 1,2,3-Trichloropropane
 Concen: 41.703 ug/l
 RT: 12.79 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion: 75 Resp: 98602
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.678 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

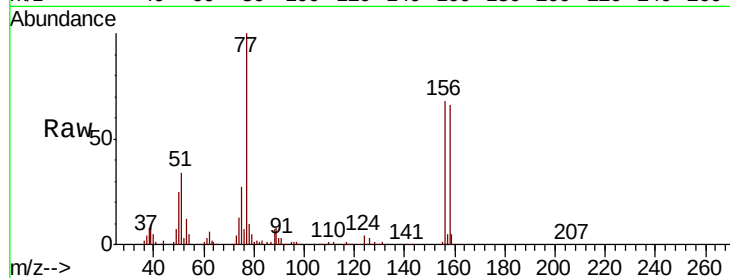
Tot Ion:156 Resp: 111043

Ion Ratio Lower Upper

156 100

77 165.4 84.9 254.6

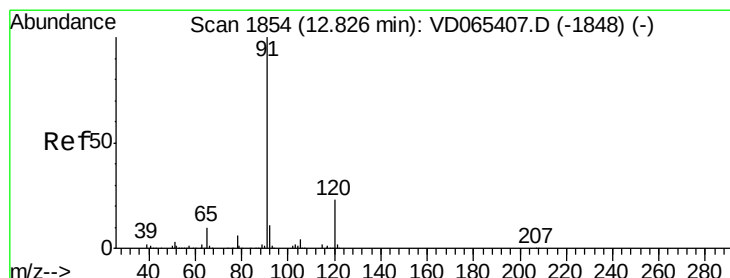
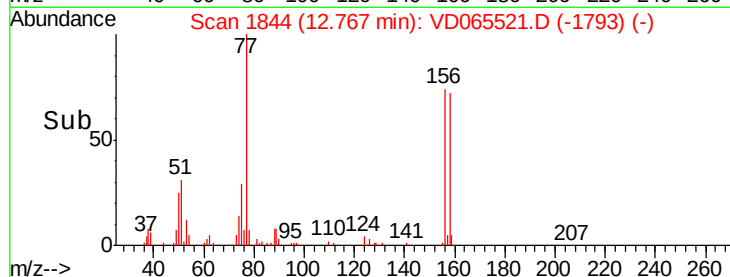
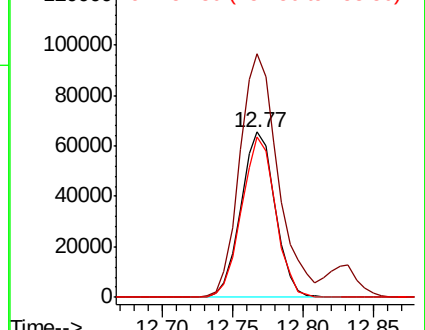
158 95.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.532 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065521.D

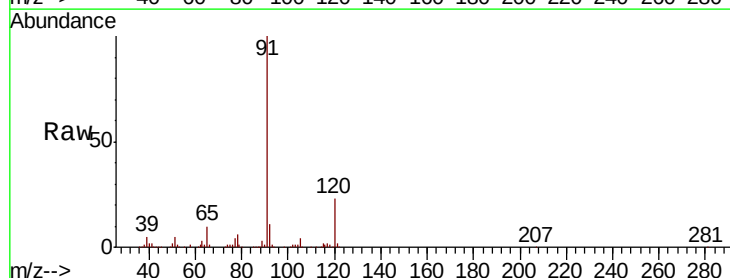
Acq: 24 Mar 2020 16:00

Tgt Ion: 91 Resp: 503505

Ion Ratio Lower Upper

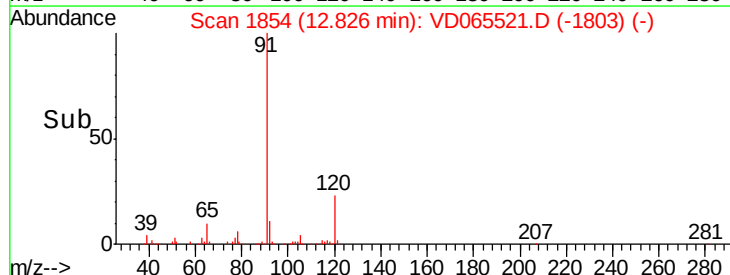
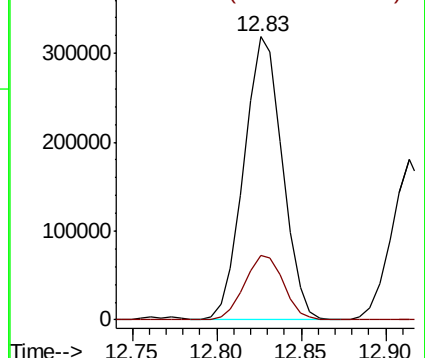
91 100

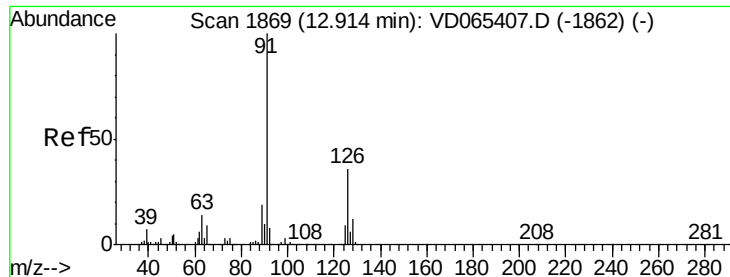
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.920 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

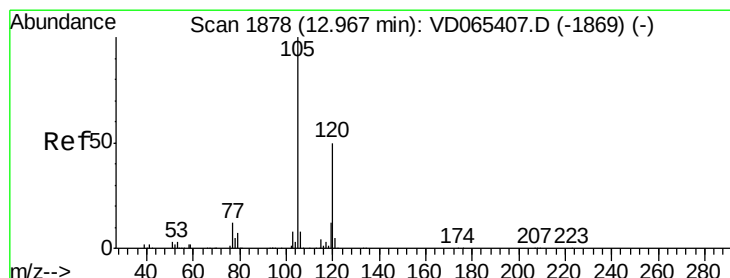
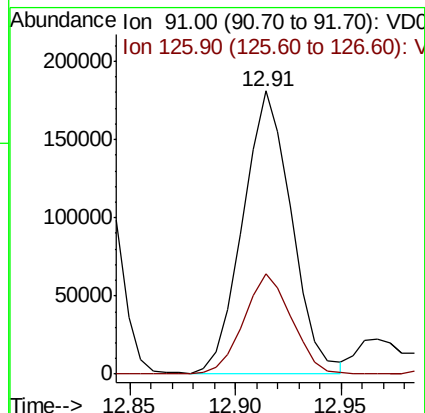
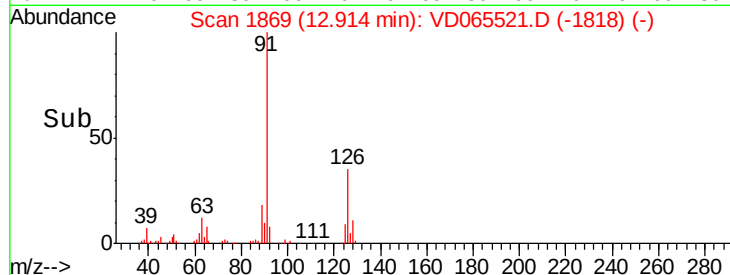
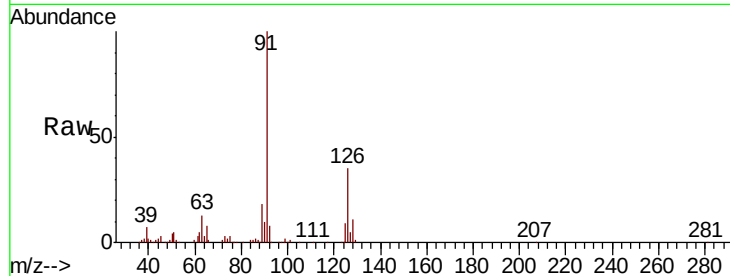
ClientSampled :

Tot Ion: 91 Resp: 288881

Ion Ratio Lower Upper

91 100

126 34.8 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.752 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065521.D

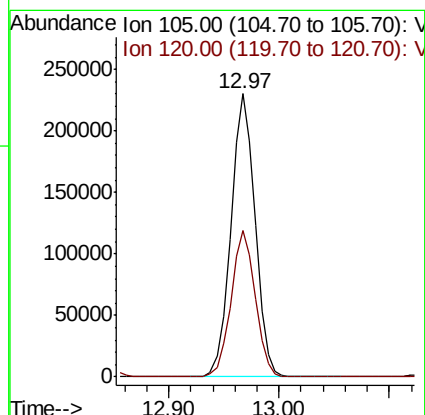
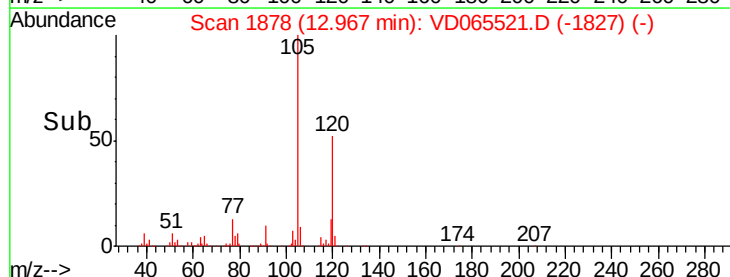
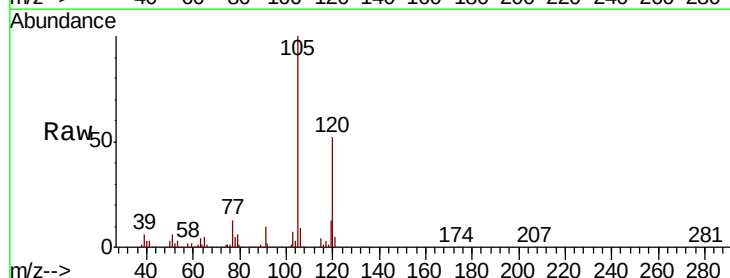
Acq: 24 Mar 2020 16:00

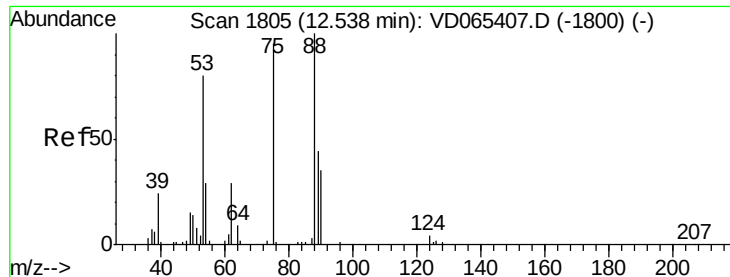
Tgt Ion: 105 Resp: 352442

Ion Ratio Lower Upper

105 100

120 51.8 25.4 76.0

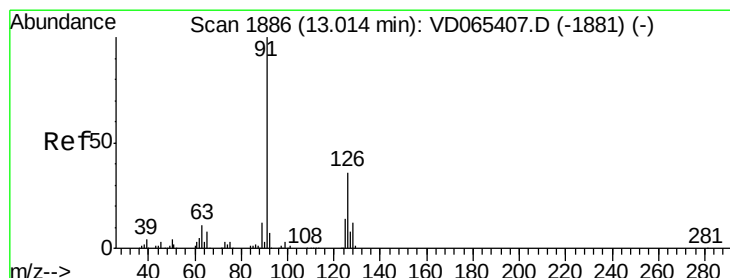
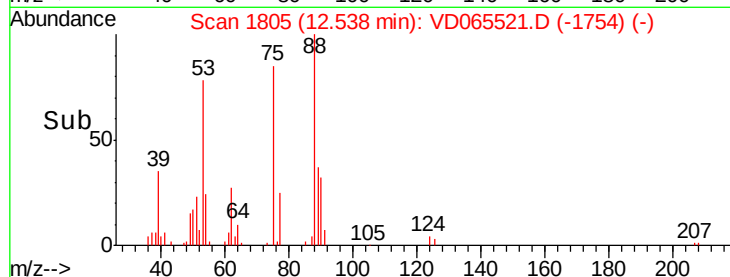
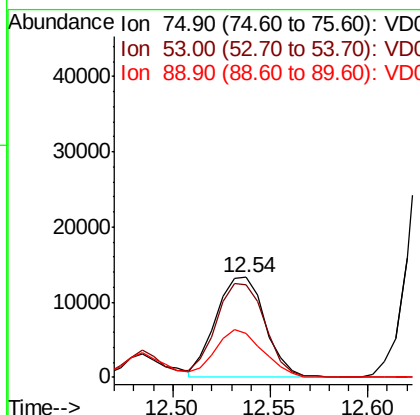
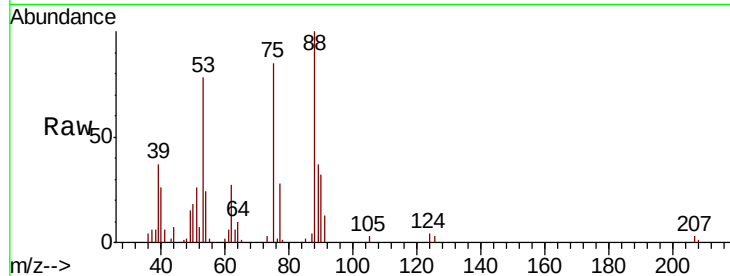




#81
trans-1,4-Dichloro-2-butene
Concen: 20.933 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

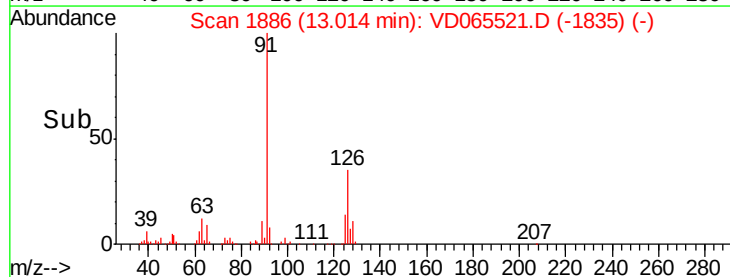
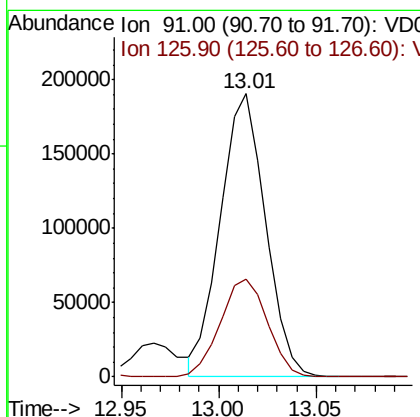
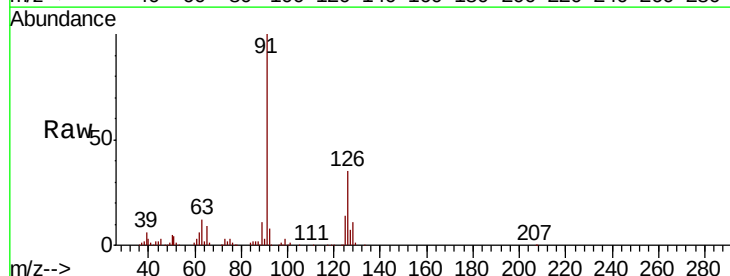
Instrument :
MSVOA_D
ClientSampleId :

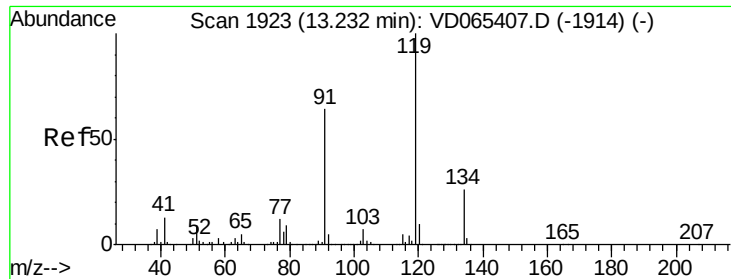
Tot Ion: 75 Resp: 23453
Ion Ratio Lower Upper
75 100
53 93.2 71.3 106.9
89 45.7 37.0 55.6



#82
4-Chlorotoluene
Concen: 22.016 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 91 Resp: 304899
Ion Ratio Lower Upper
91 100
126 36.3 17.6 52.8

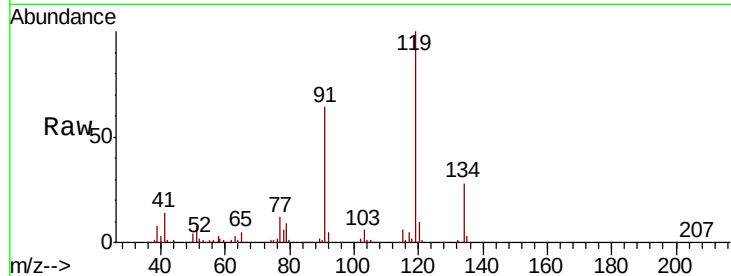




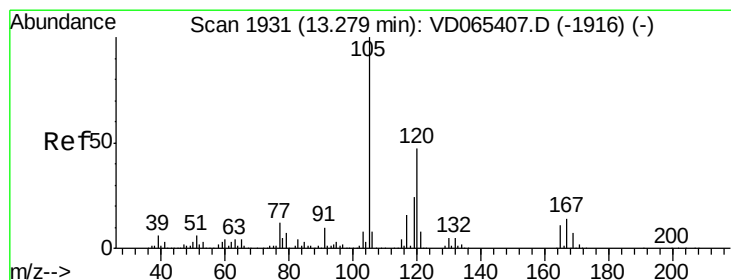
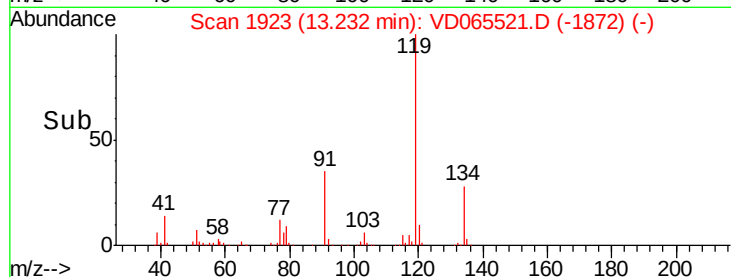
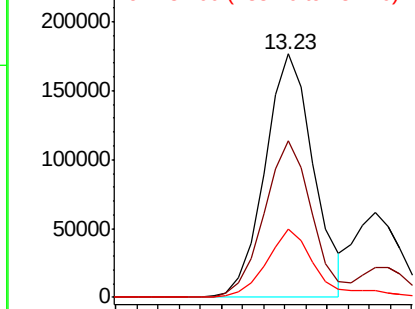
#83
tert-Butylbenzene
Concen: 20.685 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 283534
Ion Ratio Lower Upper
119 100
91 63.7 31.6 95.0
134 28.5 14.2 42.8

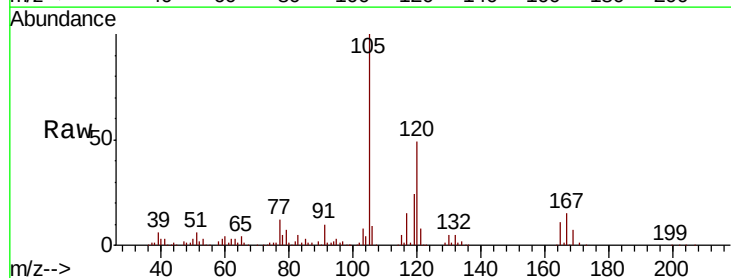


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

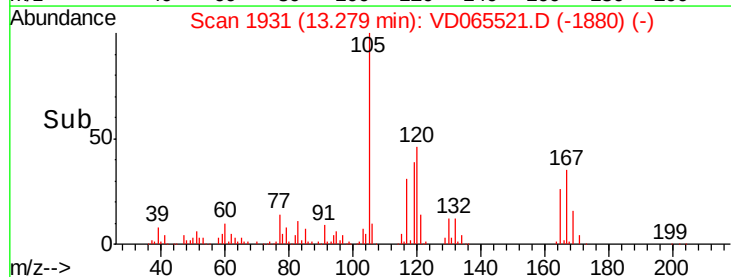
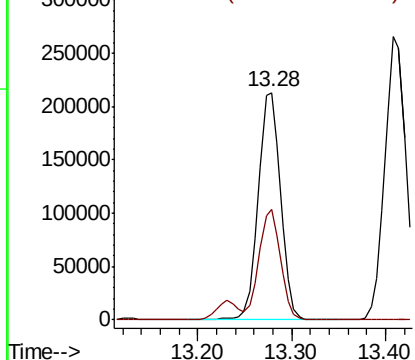


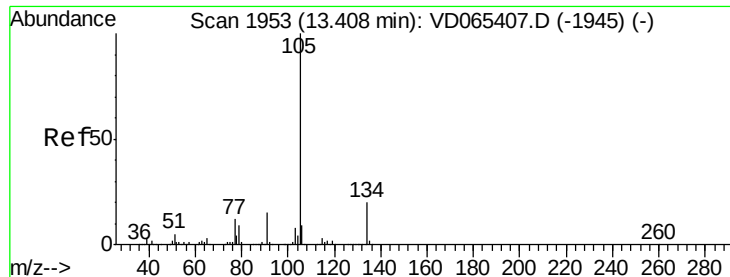
#84
1,2,4-Trimethylbenzene
Concen: 21.881 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:105 Resp: 349459
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

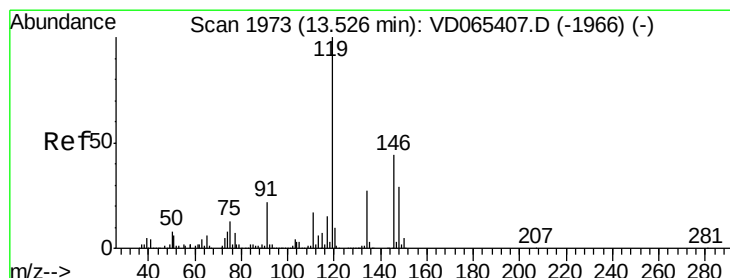
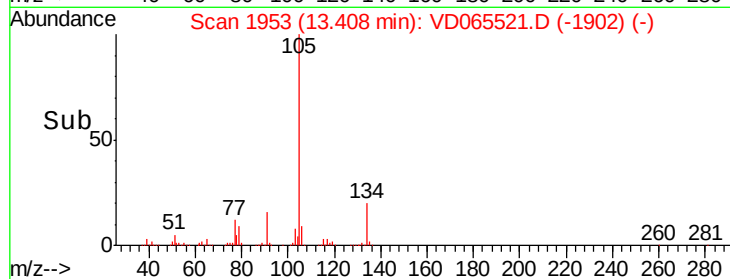
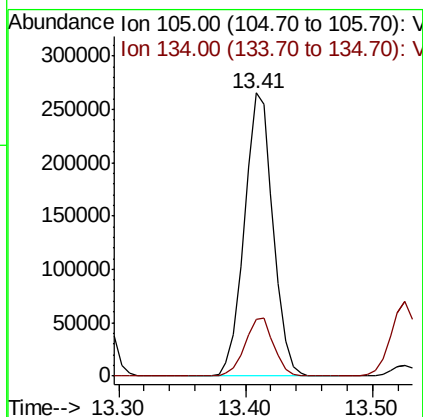
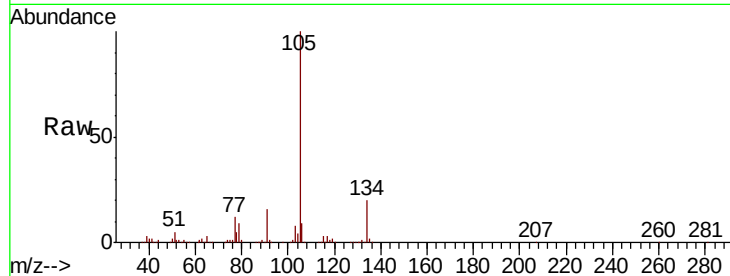




#85
 sec-Butylbenzene
 Concen: 21.217 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

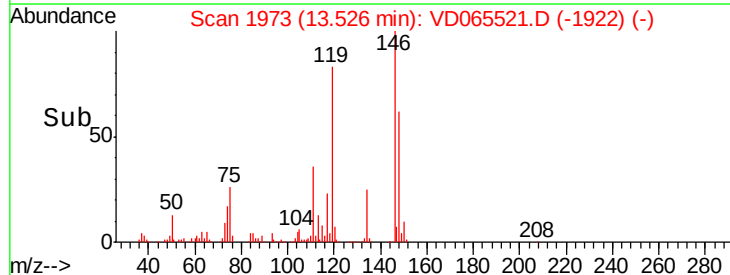
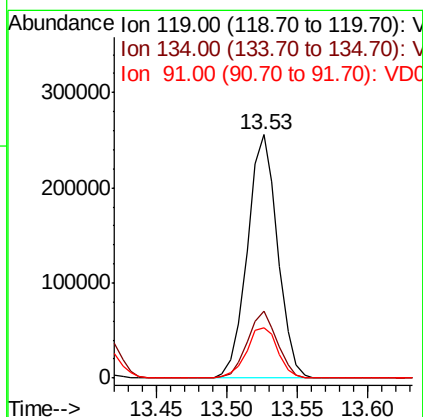
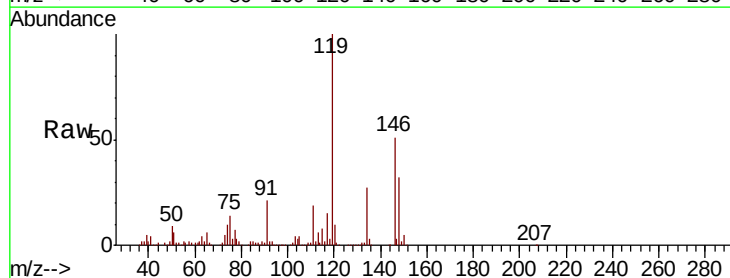
Instrument :
 MSVOA_D
 ClientSampleId :

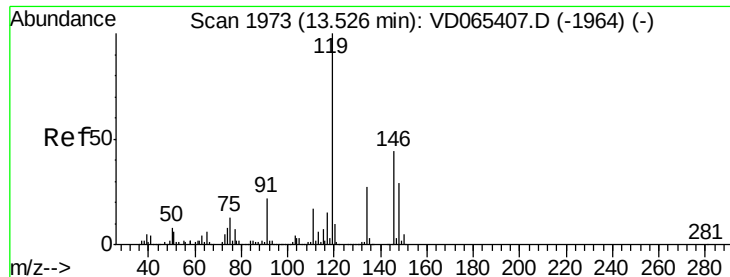
Tot Ion:105 Resp: 415138
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.421 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion:119 Resp: 382452
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.9
 91 21.7 10.9 32.6

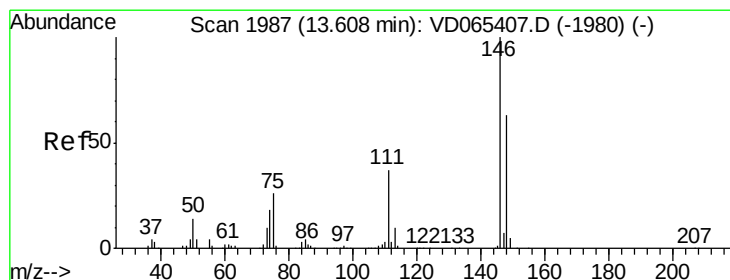
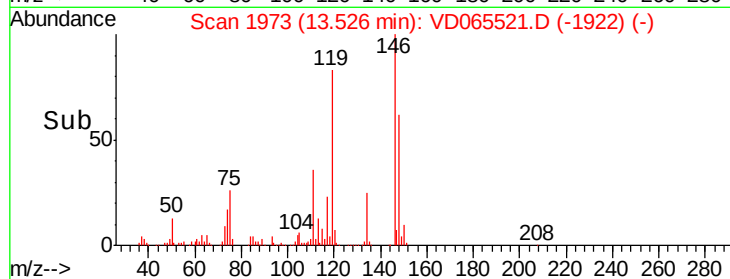
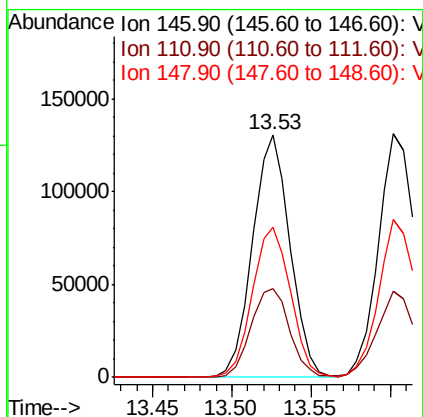
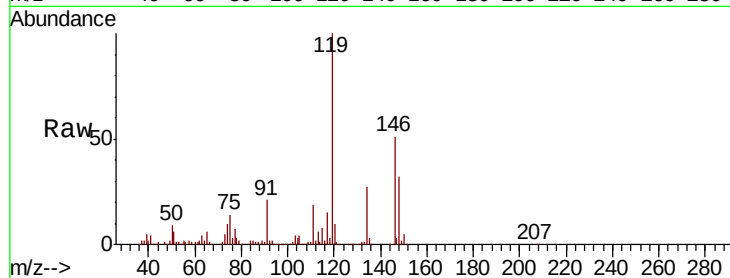




#87
 1,3-Dichlorobenzene
 Concen: 22.767 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

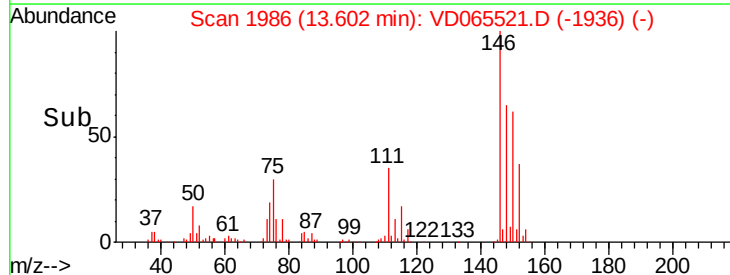
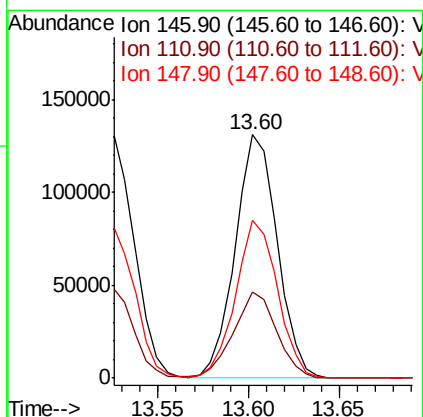
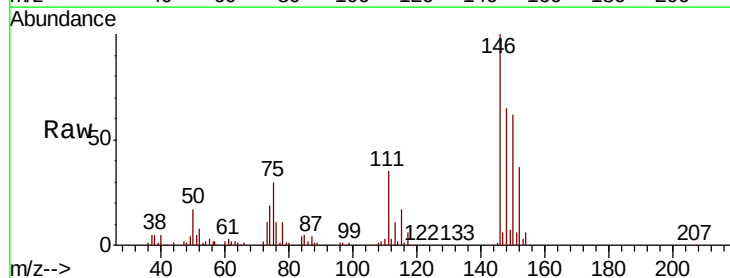
Instrument :
 MSVOA_D
 ClientSampleId :

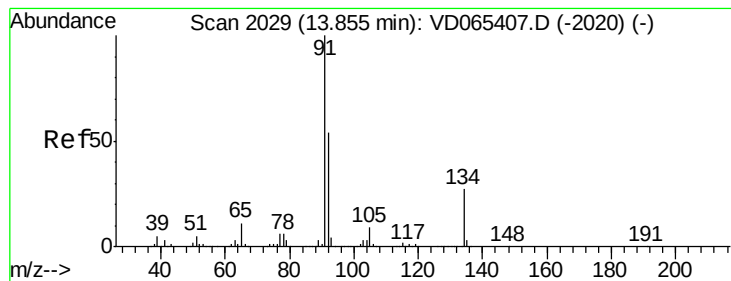
Tot Ion:146 Resp: 214332
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 22.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion:146 Resp: 211826
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.5 55.5
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 20.728 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

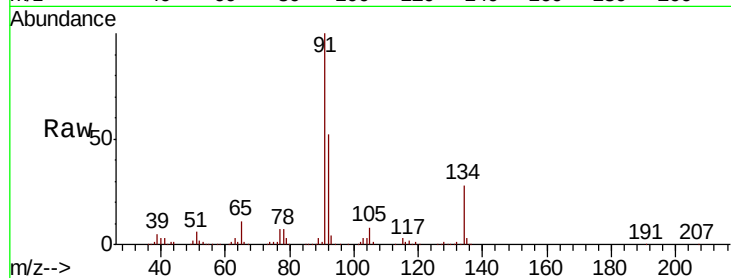
Tot Ion: 91 Resp: 342132

Ion Ratio Lower Upper

91 100

92 52.4 26.8 80.4

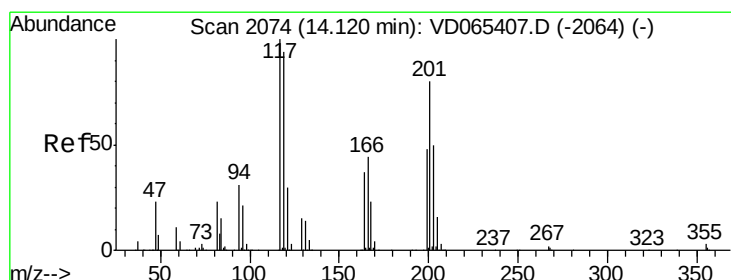
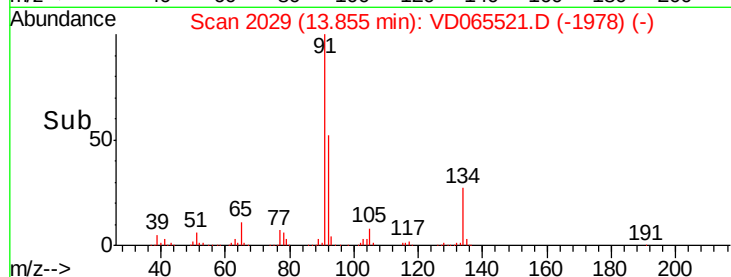
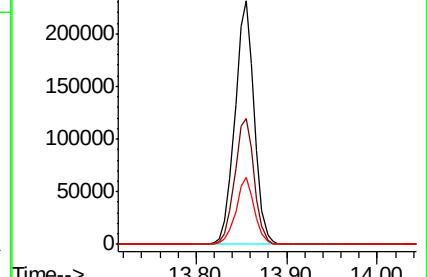
134 26.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.679 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065521.D

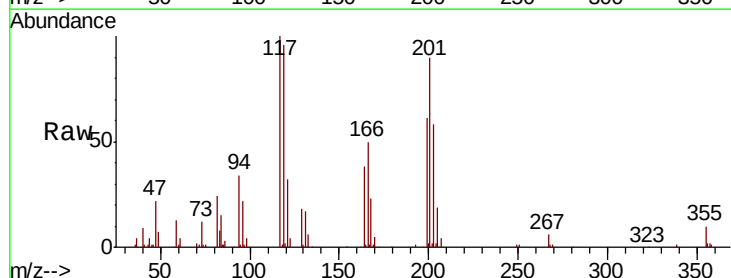
Acq: 24 Mar 2020 16:00

Tgt Ion: 117 Resp: 79710

Ion Ratio Lower Upper

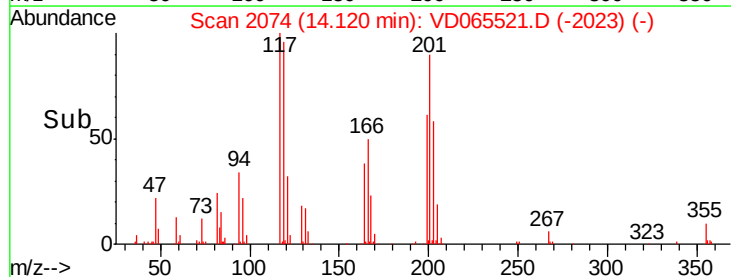
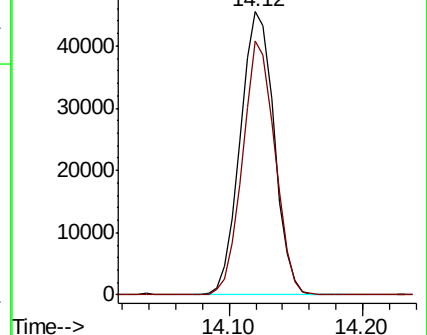
117 100

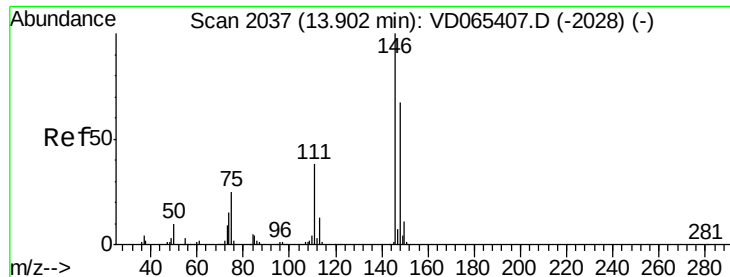
201 85.7 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

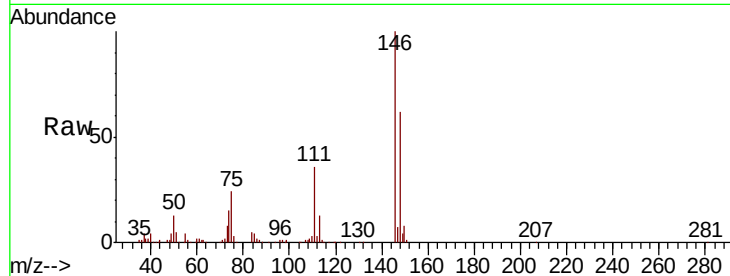




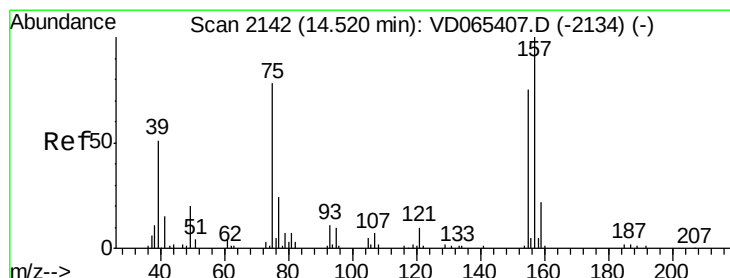
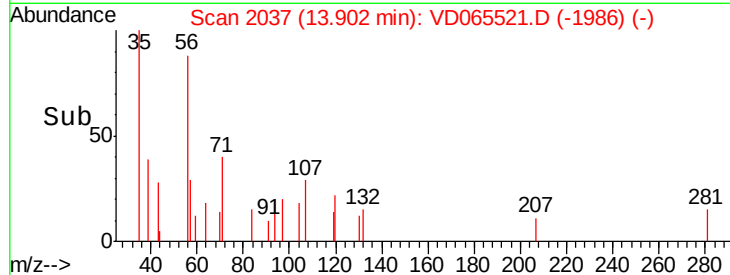
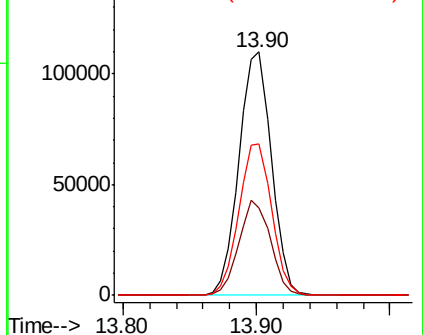
#91
 1,2-Dichlorobenzene
 Concen: 23.154 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.8	59.3
148	62.8	32.6	97.8

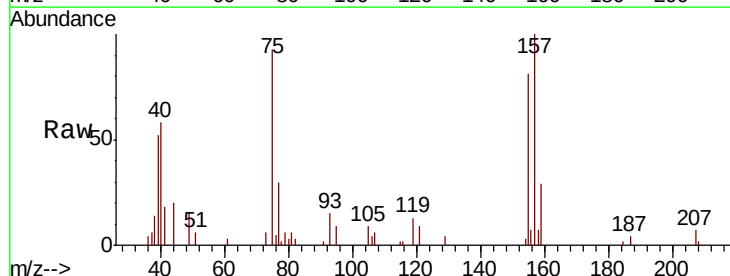


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

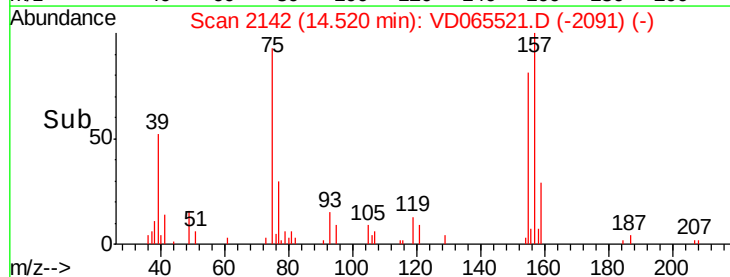
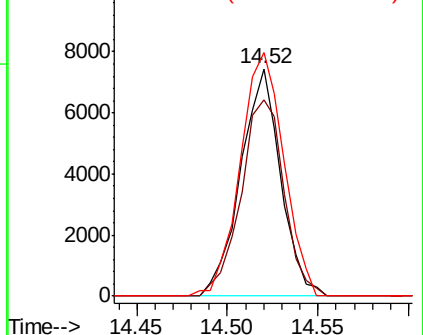


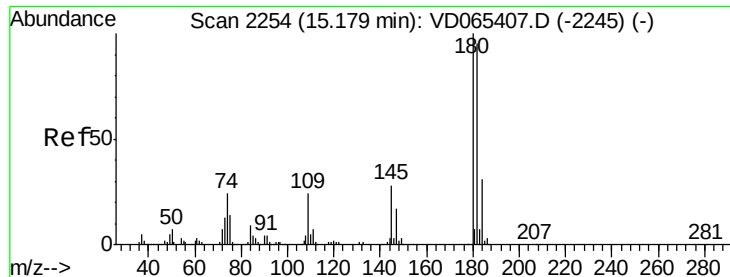
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.657 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	46.4	139.1
157	116.8	60.2	180.4



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

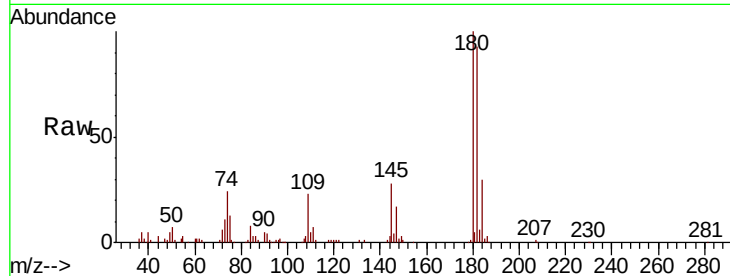




#93
 1,2,4-Trichlorobenzene
 Concen: 22.683 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.9
145	28.7	14.4	43.4

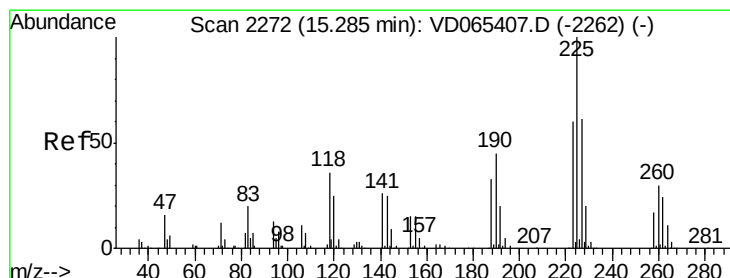
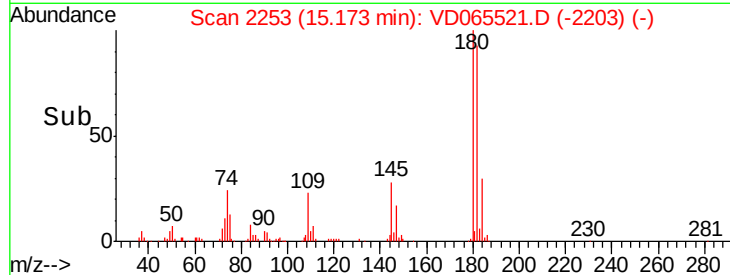
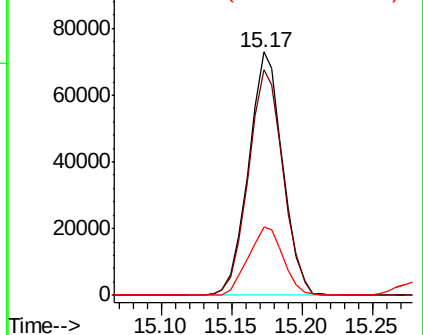


Abundance

Ion 179.80 (179.50 to 180.50): V

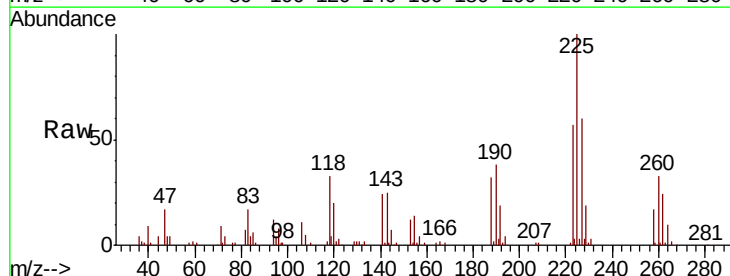
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.366 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.5
227	63.7	31.6	94.7

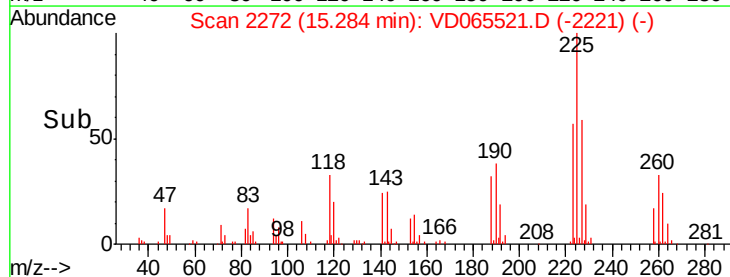
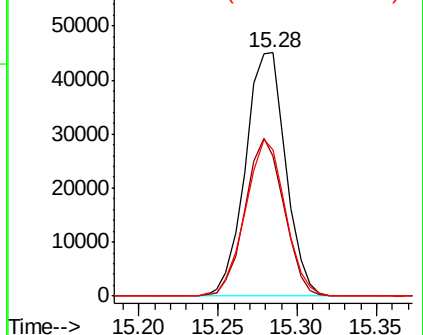


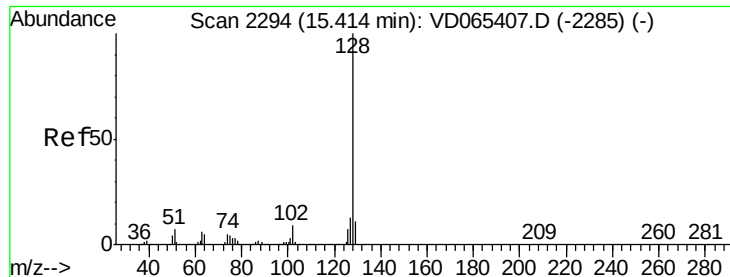
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

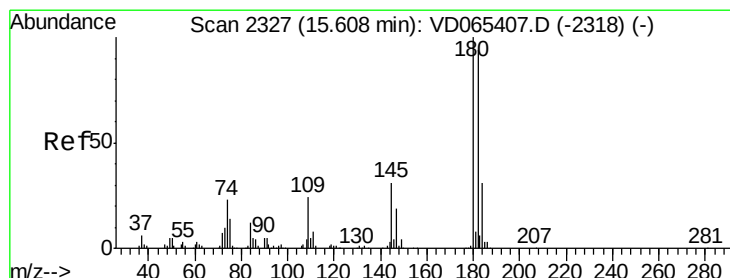
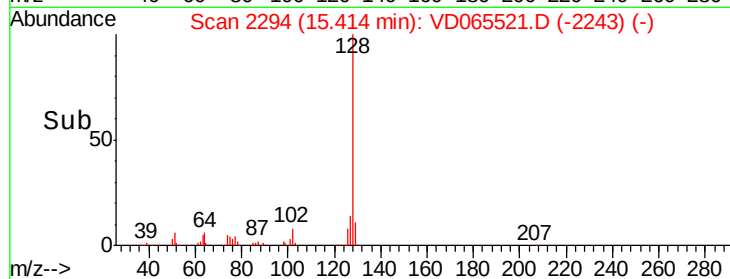
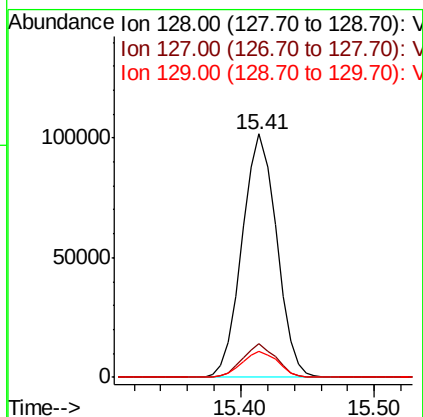
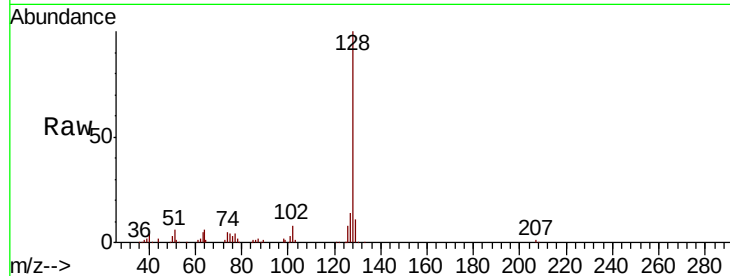




#95
Naphthalene
Concen: 21.600 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 182471
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.397 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:180 Resp: 105085
Ion Ratio Lower Upper
180 100
182 97.1 46.9 140.6
145 30.4 15.0 45.1

