

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050720\
 Data File : VD065705.D
 Acq On : 07 May 2020 11:34
 Operator : VA/SY
 Sample : VD0507SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Quant Time: May 08 07:37:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	644400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	564910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191813	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	7.91	113	200452	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.34	98	772471	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.64	95	260743	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58146	17.237	ug/l	99
3) Chloromethane	2.21	50	87431	20.551	ug/l	99
4) Vinyl Chloride	2.34	62	89113	20.672	ug/l	92
5) Bromomethane	2.76	94	57487	21.130	ug/l	96
6) Chloroethane	2.91	64	58543	21.142	ug/l	95
7) Trichlorofluoromethane	3.27	101	131883	19.180	ug/l	98
8) Diethyl Ether	3.70	74	39298	18.242	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81213	19.457	ug/l	98
10) Methyl Iodide	4.30	142	73149	17.866	ug/l	98
11) Tert butyl alcohol	5.22	59	34716	84.995	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	80579	19.642	ug/l	93
13) Acrolein	3.92	56	33273	93.995	ug/l	97
14) Allyl chloride	4.71	41	144699	17.694	ug/l	96
15) Acrylonitrile	5.42	53	86396	85.303	ug/l	99
16) Acetone	4.16	43	79432	86.359	ug/l	97
17) Carbon Disulfide	4.40	76	257609	19.096	ug/l	96
18) Methyl Acetate	4.71	43	37584	16.434	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	182859	18.383	ug/l	98
20) Methylene Chloride	4.96	84	90665	19.568	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	91458	19.475	ug/l	96
22) Diisopropyl ether	6.36	45	278989	18.344	ug/l	96
23) Vinyl Acetate	6.30	43	805911	87.737	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154704	18.569	ug/l	98
25) 2-Butanone	7.21	43	117418	86.062	ug/l	95
26) 2,2-Dichloropropane	7.20	77	145783	19.435	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100415	19.705	ug/l	95
28) Bromochloromethane	7.54	49	60432	17.392	ug/l	94
29) Tetrahydrofuran	7.57	42	72899	82.899	ug/l	96
30) Chloroform	7.71	83	152969	19.080	ug/l	95
31) Cyclohexane	7.98	56	159713	18.527	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	142019	19.110	ug/l	100
36) 1,1-Dichloropropene	8.11	75	127947	19.993	ug/l	98
37) Ethyl Acetate	7.29	43	51872	16.833	ug/l	97
38) Carbon Tetrachloride	8.10	117	129849	20.464	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161971	20.159	ug/l	98
40) Benzene	8.35	78	350551	20.057	ug/l	100
41) Methacrylonitrile	7.54	41	36514m	20.543	ug/l	
42) 1,2-Dichloroethane	8.43	62	96949	19.277	ug/l	100
43) Isopropyl Acetate	8.46	43	108473	17.603	ug/l	98
44) Trichloroethene	9.11	130	101722	21.120	ug/l	99
45) 1,2-Dichloropropane	9.39	63	86881	19.222	ug/l	95
46) Dibromomethane	9.48	93	44275	19.528	ug/l	97
47) Bromodichloromethane	9.66	83	119678	19.739	ug/l	99
48) Methyl methacrylate	9.46	41	54653	17.713	ug/l	96
49) 1,4-Dioxane	9.47	88	10202	367.089	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	262492	88.386	ug/l	98
52) Toluene	10.41	92	229870	20.797	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118853	19.354	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	142048	19.634	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	61421	20.095	ug/l	98
56) Ethyl methacrylate	10.66	69	80983	18.350	ug/l	98
57) 1,3-Dichloropropane	10.95	76	106547	19.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	188372	92.977	ug/l	97
59) 2-Hexanone	10.98	43	182319	89.256	ug/l	100
60) Dibromochloromethane	11.14	129	81617	19.878	ug/l	99
61) 1,2-Dibromoethane	11.25	107	60928	19.812	ug/l	98
64) Tetrachloroethene	10.88	164	86537	21.525	ug/l	98
65) Chlorobenzene	11.67	112	235867	20.724	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	89232	21.027	ug/l	99
67) Ethyl Benzene	11.75	91	437716	20.615	ug/l	99
68) m/p-Xylenes	11.86	106	334082	42.206	ug/l	96
69) o-Xylene	12.18	106	153331	20.759	ug/l	97
70) Styrene	12.20	104	262620	20.680	ug/l	100
71) Bromoform	12.37	173	47891	20.057	ug/l #	98
73) Isopropylbenzene	12.48	105	418883	20.251	ug/l	99
74) N-amyl acetate	12.29	43	103879	17.592	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	64835	18.692	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	41862m	18.156	ug/l	
77) Bromobenzene	12.77	156	98929	20.857	ug/l	95
78) n-propylbenzene	12.83	91	501335	20.584	ug/l	99
79) 2-Chlorotoluene	12.91	91	273552	19.880	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	347981	20.491	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24459	18.778	ug/l	97
82) 4-Chlorotoluene	13.01	91	282661	19.630	ug/l	98
83) tert-Butylbenzene	13.23	119	301164	20.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344038	20.338	ug/l	98
85) sec-Butylbenzene	13.41	105	420788	20.753	ug/l	100
86) p-Isopropyltoluene	13.53	119	382585	20.706	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	186213	20.888	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183483	20.861	ug/l	98
89) n-Butylbenzene	13.85	91	361138	20.173	ug/l	99
90) Hexachloroethane	14.12	117	76001	20.652	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	160591	20.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9547	16.375	ug/l	84

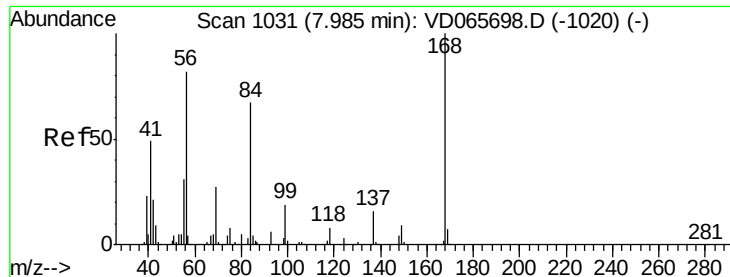
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Quant Title : SW846 8260
QLast Update : Wed May 06 17:01:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118536	20.538	ug/l	99
94) Hexachlorobutadiene	15.28	225	70719	21.143	ug/l	98
95) Naphthalene	15.41	128	197932	19.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99792	20.326	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

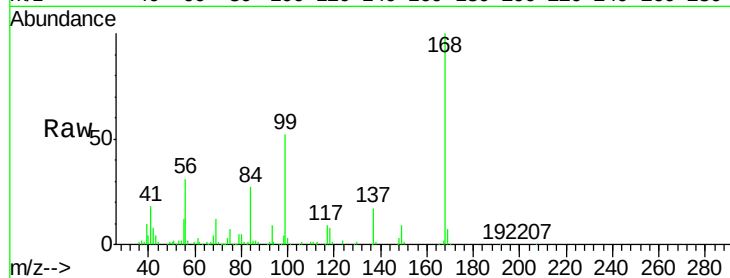
VD0507SBS01

Tot Ion:168 Resp: 430092

Ion Ratio Lower Upper

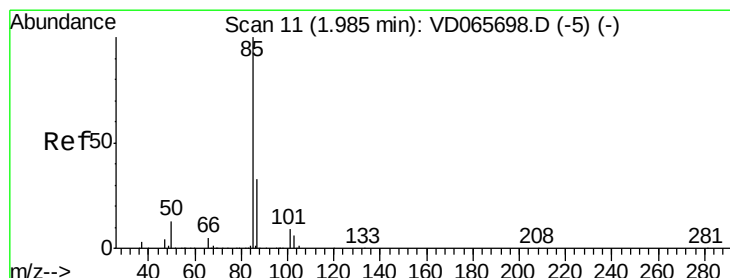
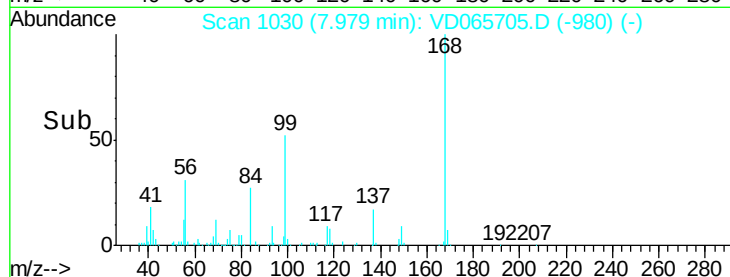
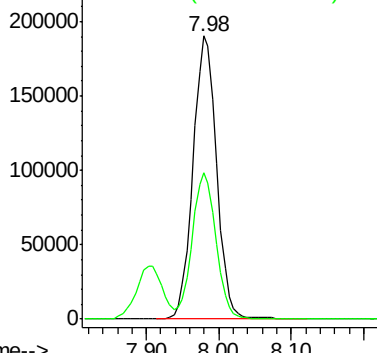
168 100

99 51.4 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.237 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065705.D

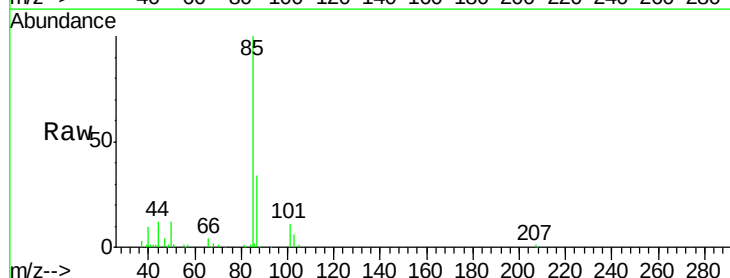
Acq: 07 May 2020 11:34

Tgt Ion: 85 Resp: 58146

Ion Ratio Lower Upper

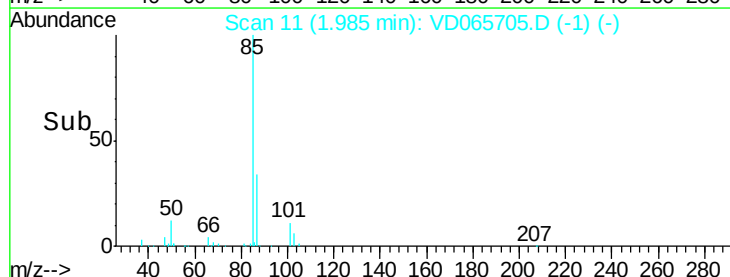
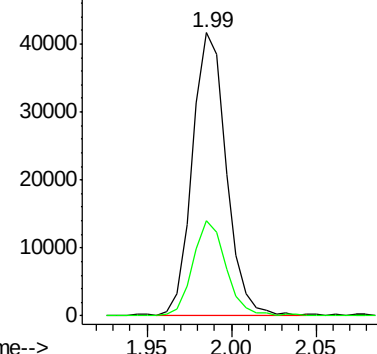
85 100

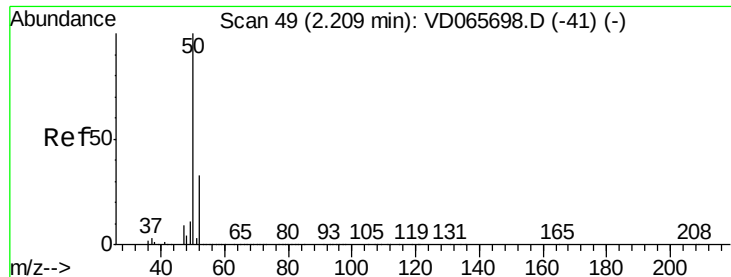
87 33.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.551 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

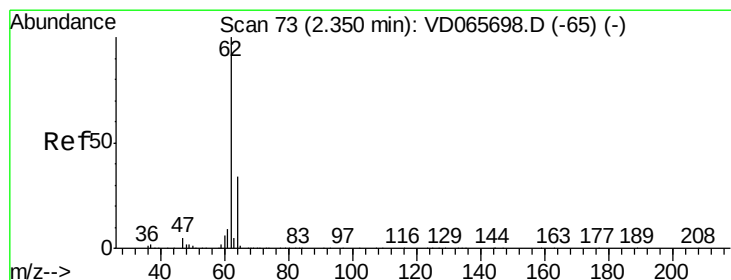
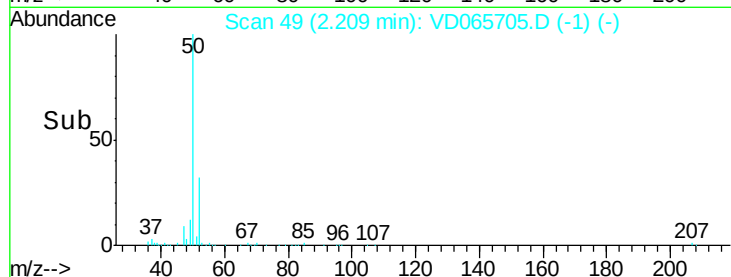
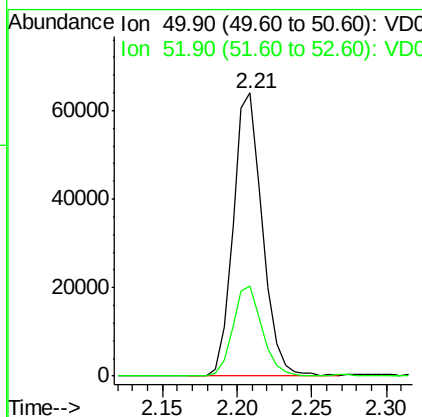
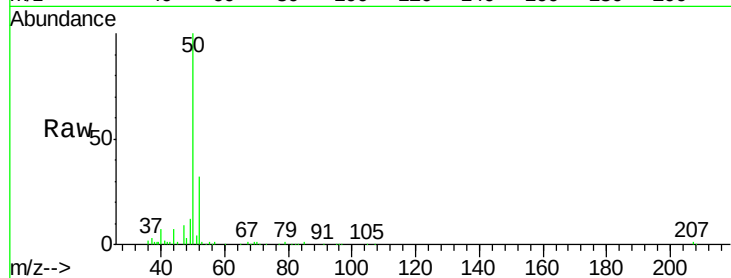
VD0507SBS01

Tot Ion: 50 Resp: 87431

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 20.672 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065705.D

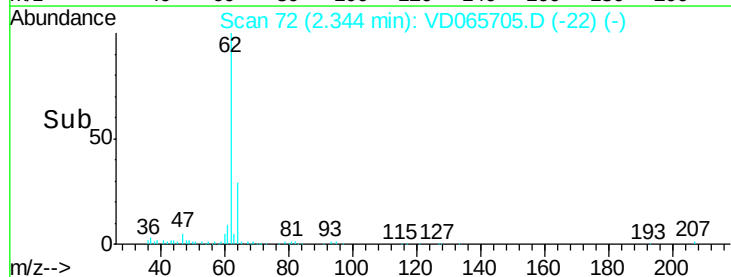
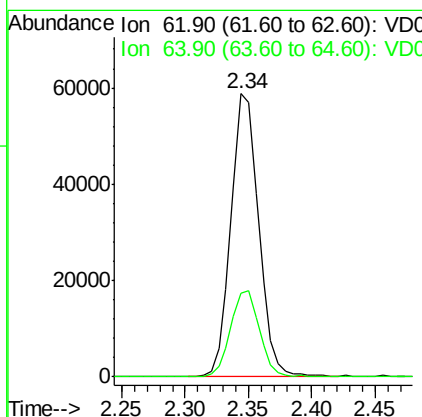
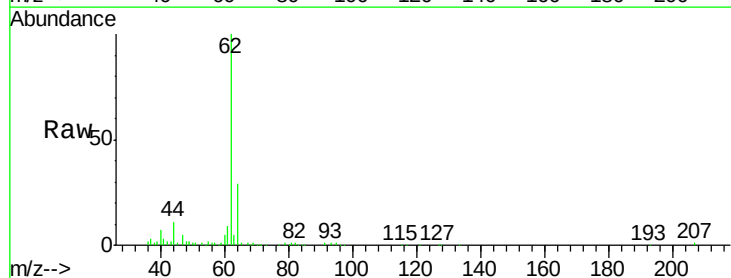
Acq: 07 May 2020 11:34

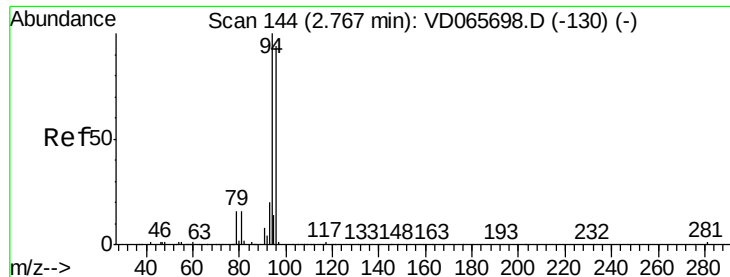
Tgt Ion: 62 Resp: 89113

Ion Ratio Lower Upper

62 100

64 29.5 27.2 40.8





#5

Bromomethane

Concen: 21.130 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

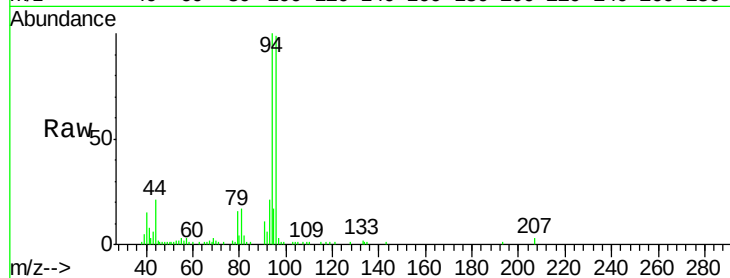
VD0507SBS01

Tot Ion: 94 Resp: 57487

Ion Ratio Lower Upper

94 100

96 98.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

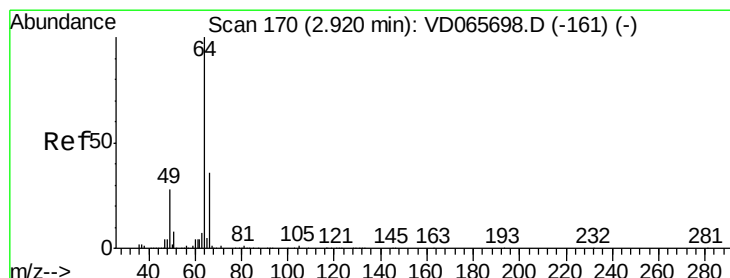
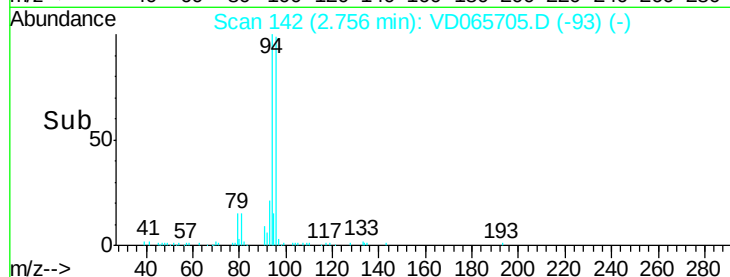
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.142 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065705.D

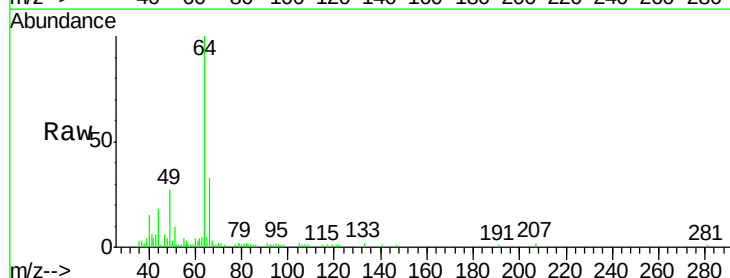
Acq: 07 May 2020 11:34

Tgt Ion: 64 Resp: 58543

Ion Ratio Lower Upper

64 100

66 32.7 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

30000

25000

20000

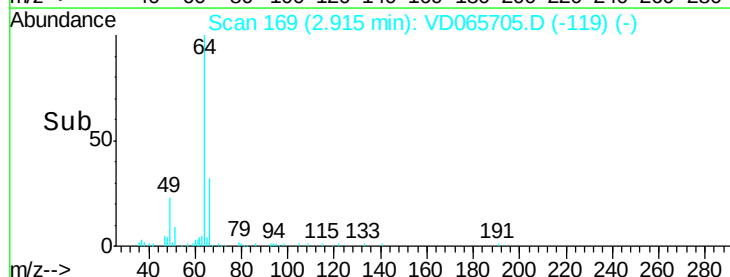
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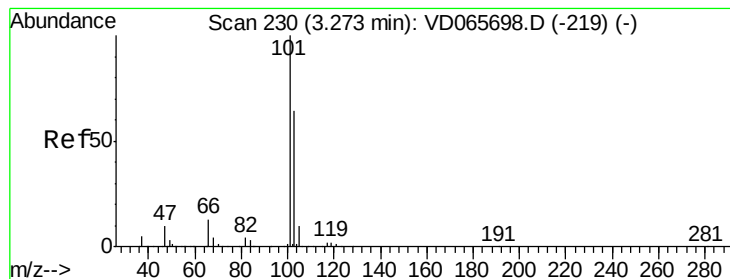
10000

5000

0

Time-->



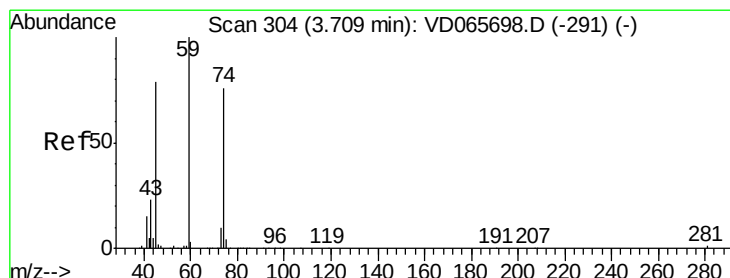
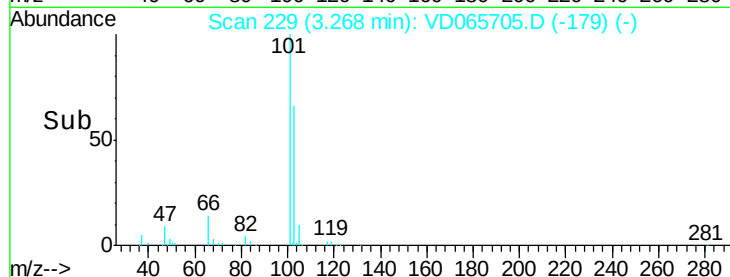
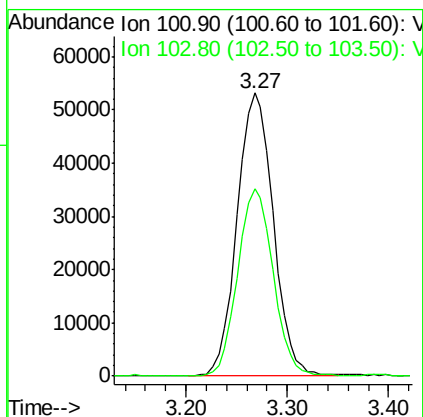
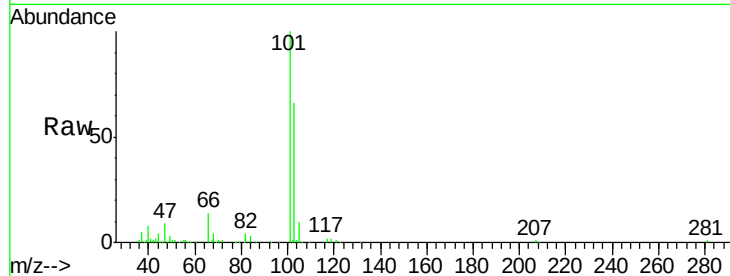


#7

Trichlorofluoromethane
Concen: 19.180 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

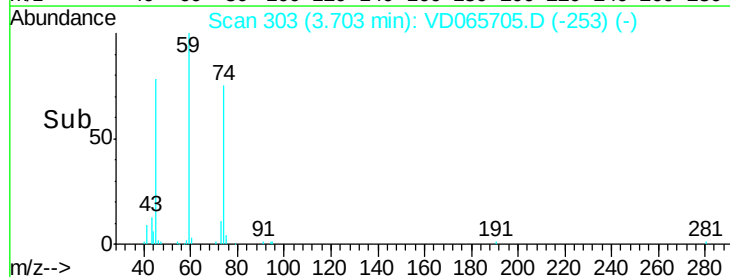
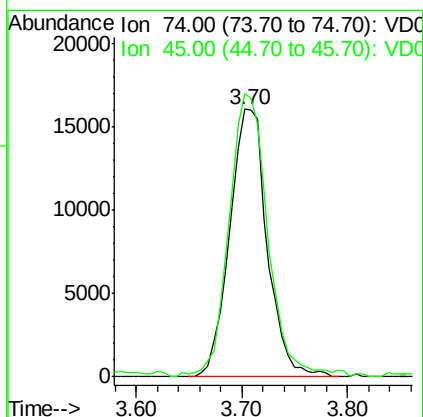
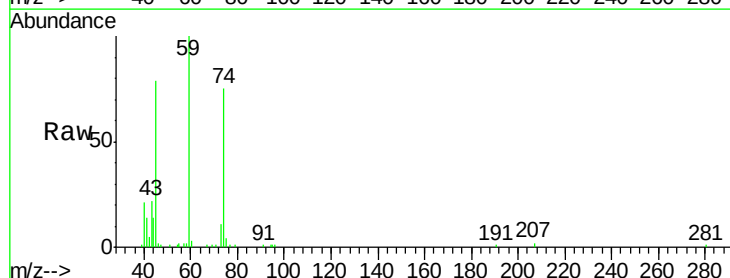
Tot Ion:101 Resp: 131883
Ion Ratio Lower Upper
101 100
103 65.6 51.1 76.7

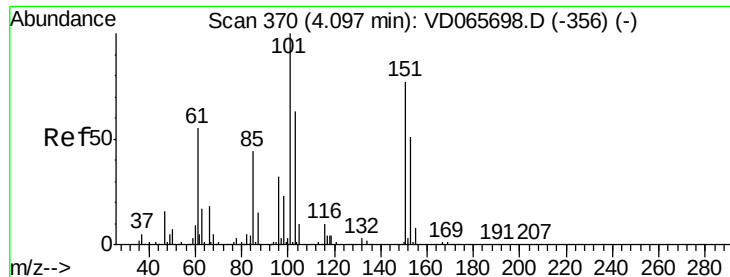


#8

Diethyl Ether
Concen: 18.242 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 74 Resp: 39298
Ion Ratio Lower Upper
74 100
45 110.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.457 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

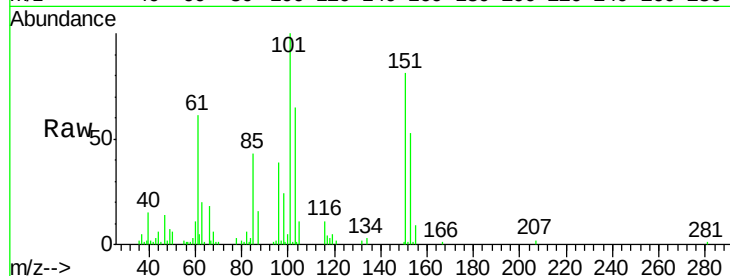
Tot Ion:101 Resp: 81213

Ion Ratio Lower Upper

101 100

85 44.6 34.4 51.6

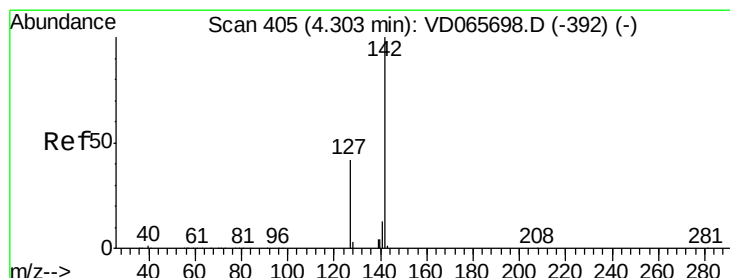
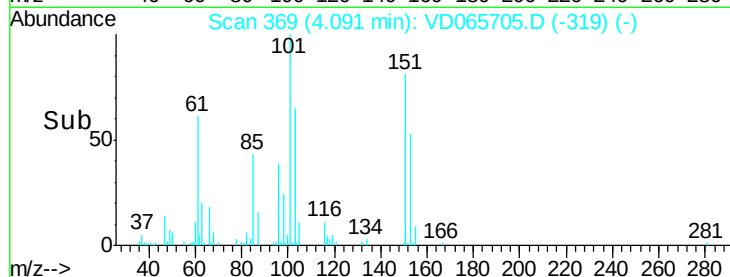
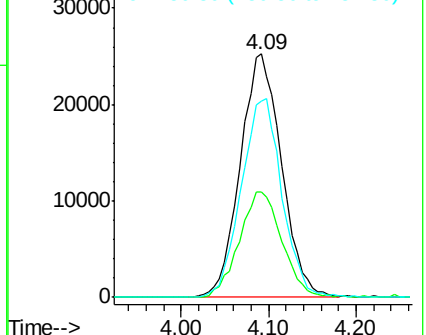
151 80.8 63.0 94.4



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: 17.866 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

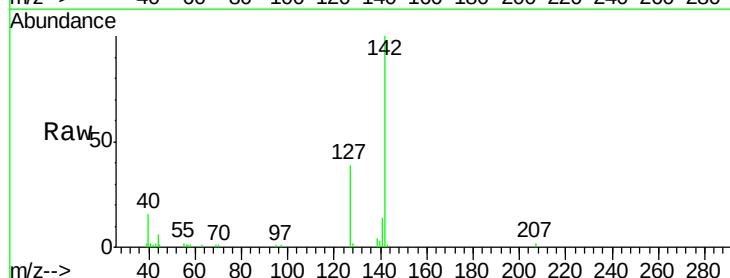
Tgt Ion:142 Resp: 73149

Ion Ratio Lower Upper

142 100

127 41.6 34.5 51.7

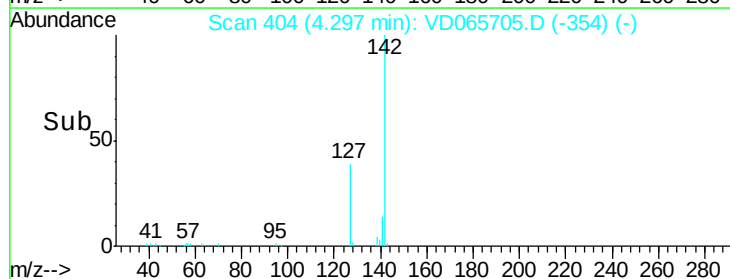
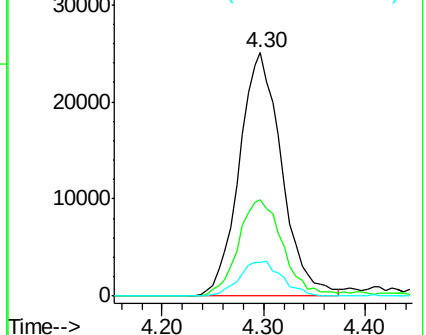
141 14.4 11.6 17.4

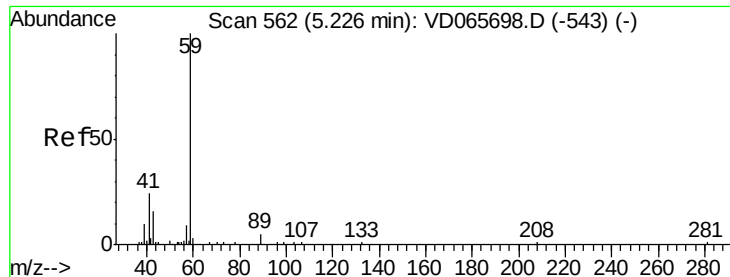


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



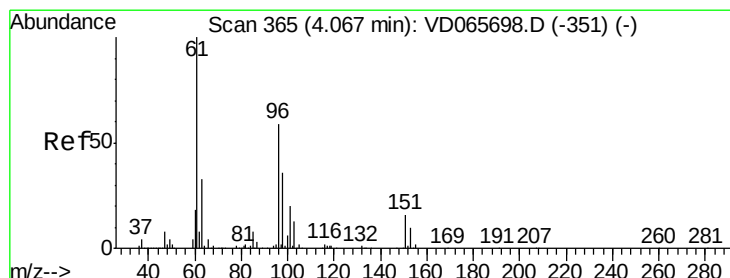
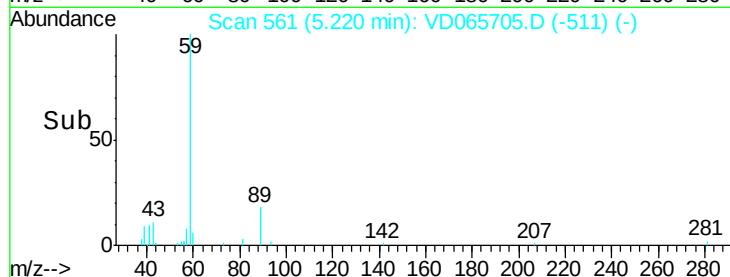
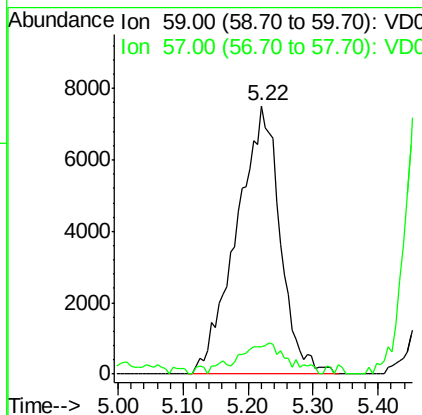
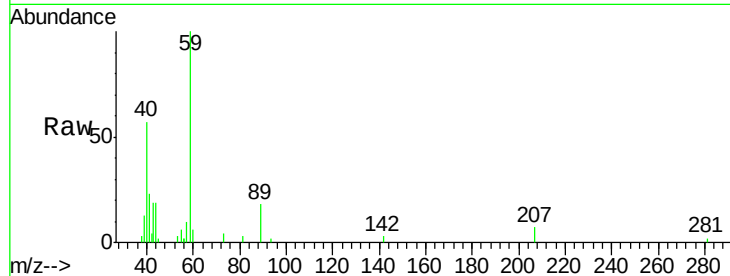


#11

Tert butyl alcohol
 Concen: 84.995 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

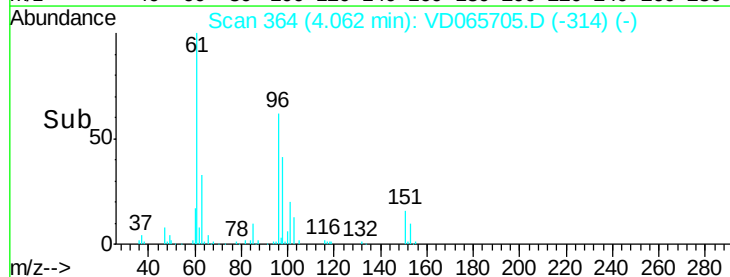
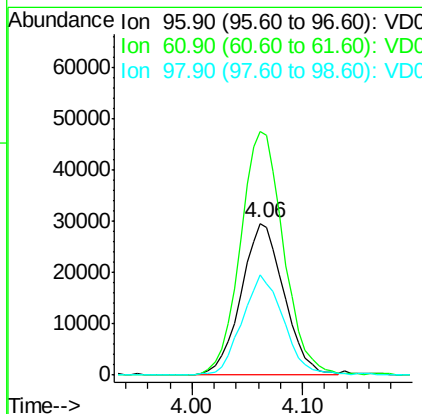
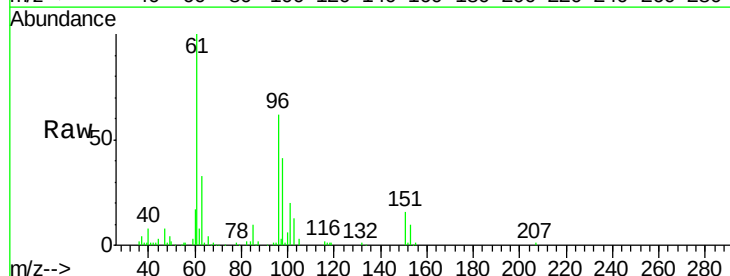
Tot Ion: 59 Resp: 34716
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.7 13.1#

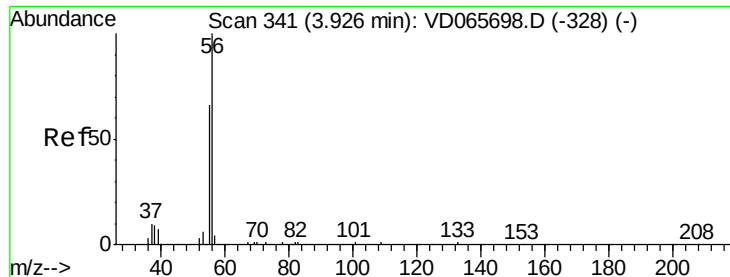


#12

1,1-Dichloroethene
 Concen: 19.642 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion: 96 Resp: 80579
 Ion Ratio Lower Upper
 96 100
 61 160.1 136.0 204.0
 98 66.0 49.7 74.5





#13

Acrolein

Concen: 93.995 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

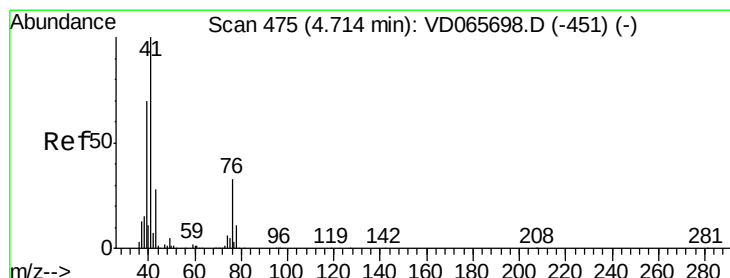
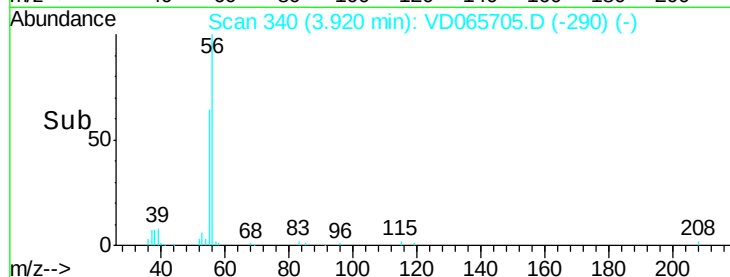
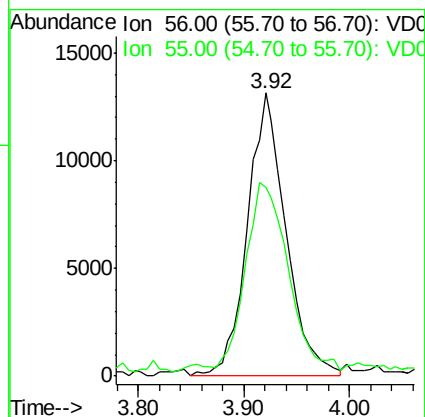
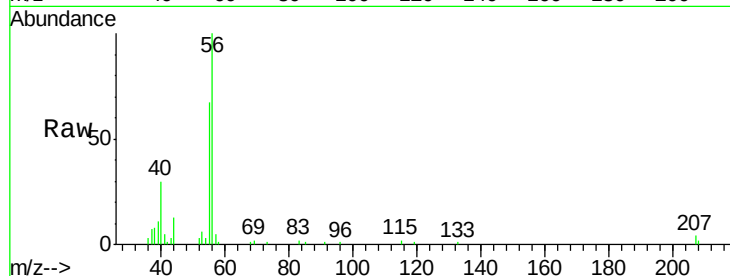
VD0507SBS01

Tot Ion: 56 Resp: 33273

Ion Ratio Lower Upper

56 100

55 73.1 56.7 85.1



#14

Allyl chloride

Concen: 17.694 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

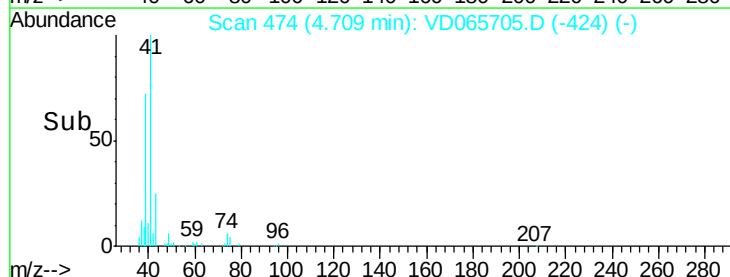
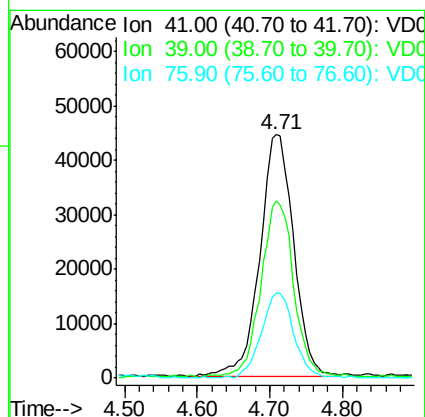
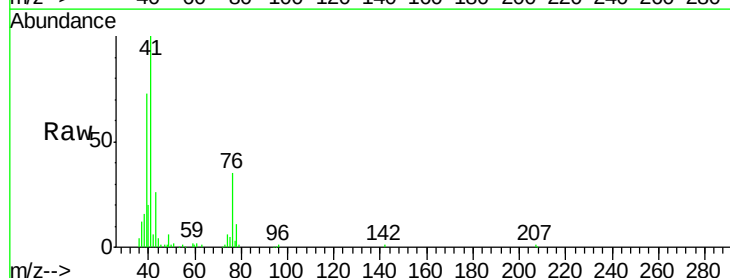
Tgt Ion: 41 Resp: 144699

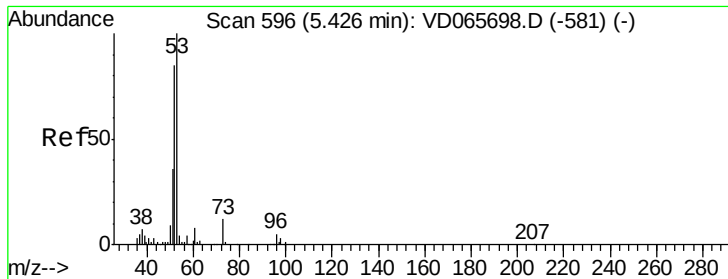
Ion Ratio Lower Upper

41 100

39 73.0 55.6 83.4

76 34.4 25.6 38.4





#15

Acrylonitrile

Concen: 85.303 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

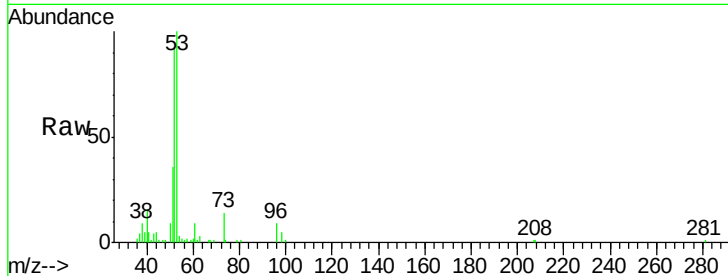
Tot Ion: 53 Resp: 86396

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.2

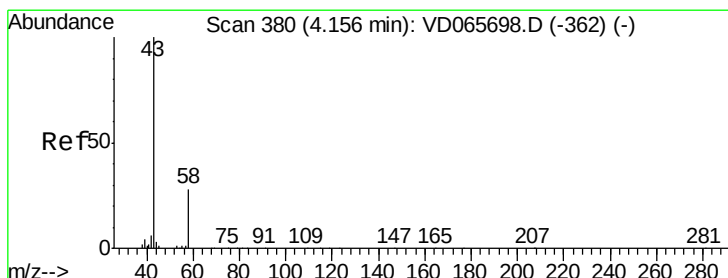
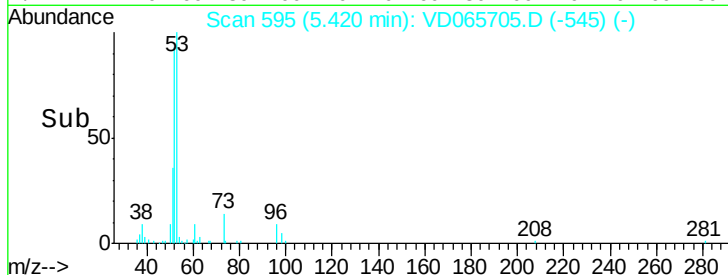
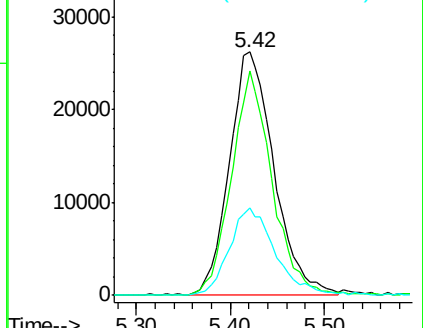
51 36.9 29.9 44.9



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: 86.359 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065705.D

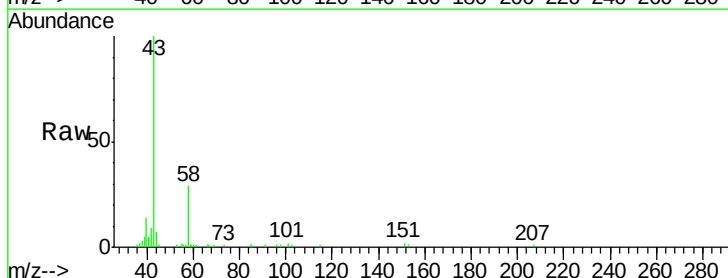
Acq: 07 May 2020 11:34

Tgt Ion: 43 Resp: 79432

Ion Ratio Lower Upper

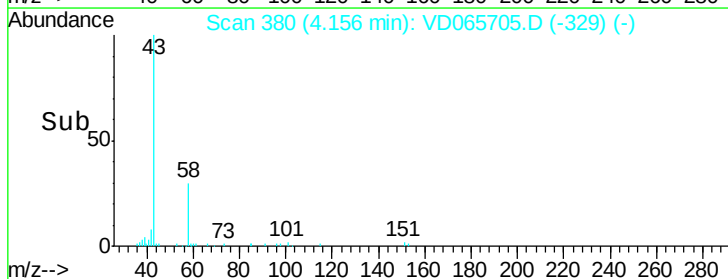
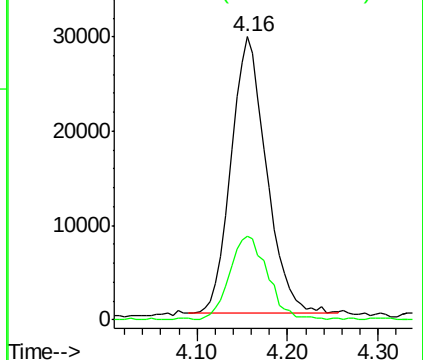
43 100

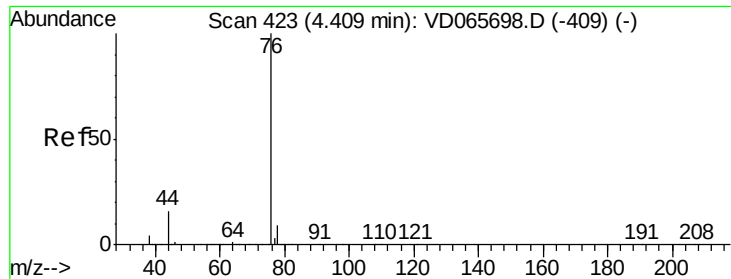
58 29.5 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

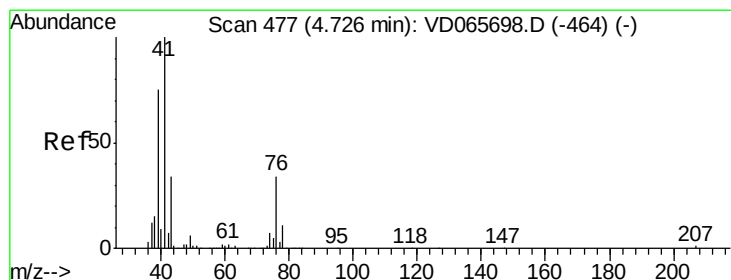
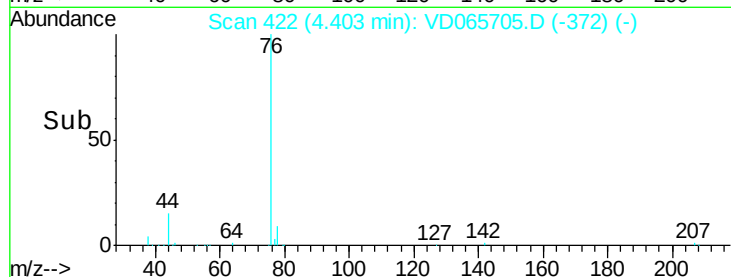
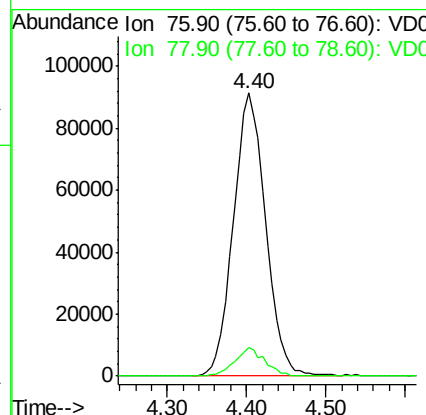
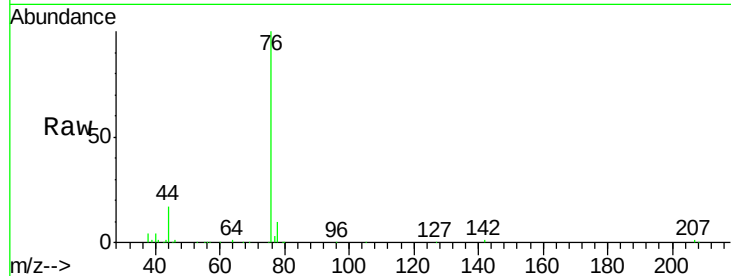




#17
Carbon Disulfide
Concen: 19.096 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

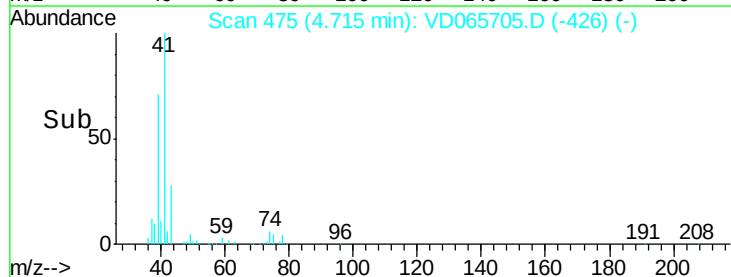
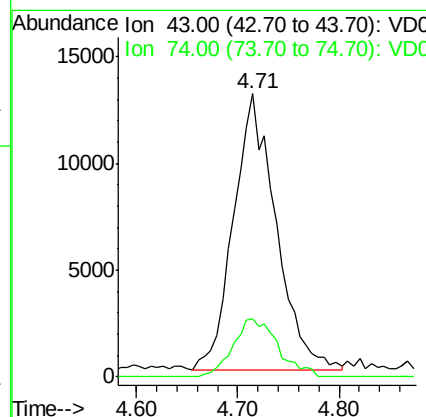
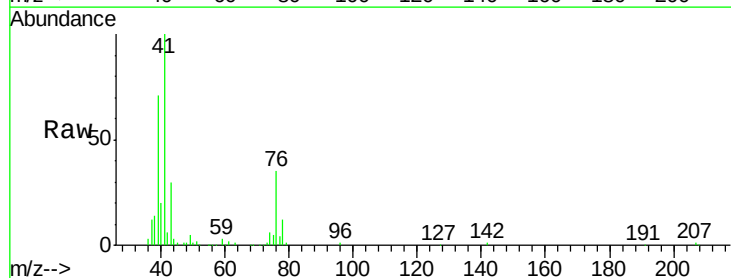
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

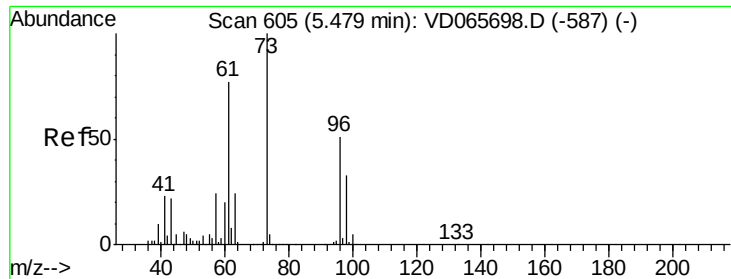
Tot Ion: 76 Resp: 257609
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#18
Methyl Acetate
Concen: 16.434 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 43 Resp: 37584
Ion Ratio Lower Upper
43 100
74 22.3 17.1 25.7

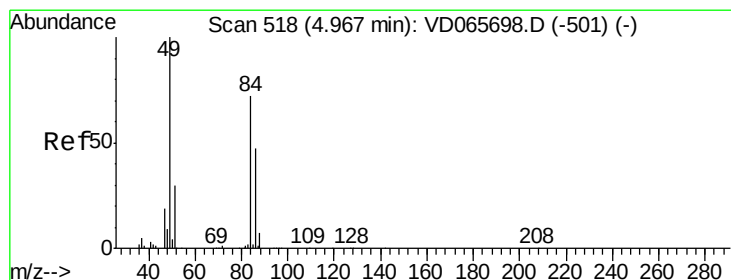
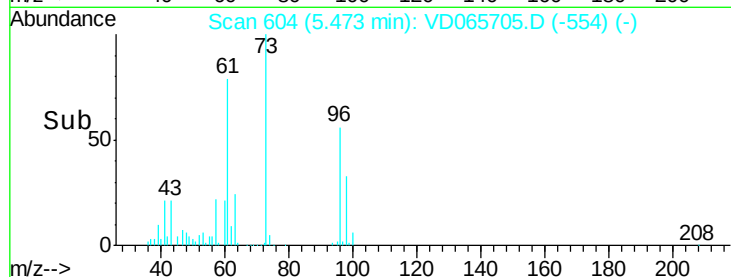
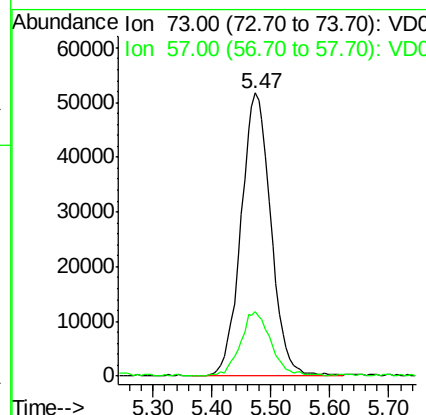
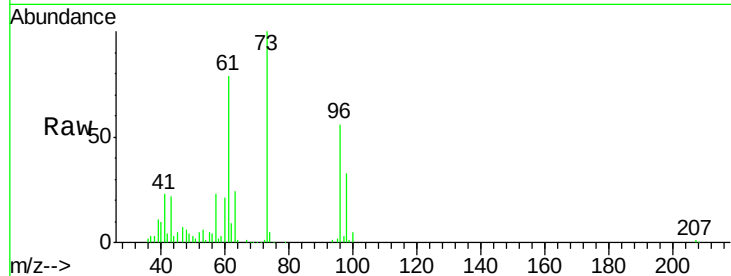




#19
Methyl tert-butyl Ether
Concen: 18.383 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

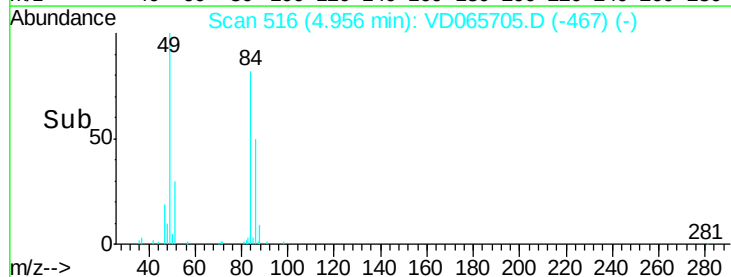
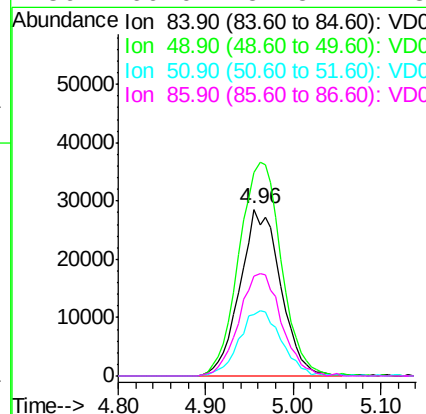
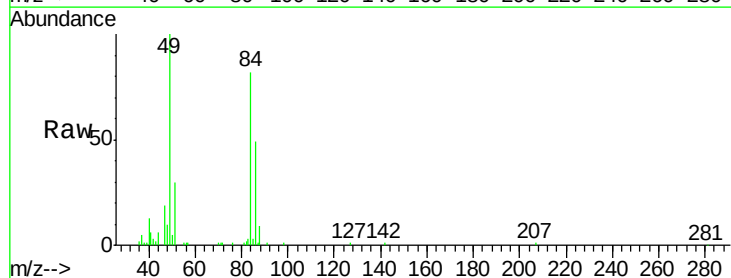
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

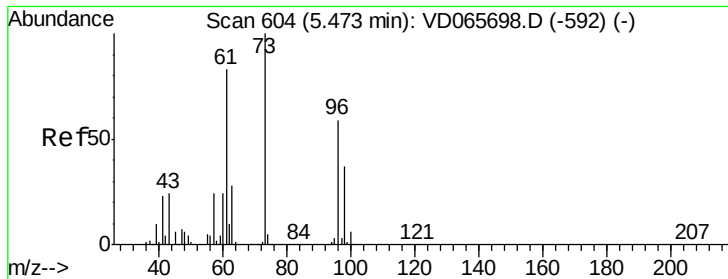
Tot Ion: 73 Resp: 182859
Ion Ratio Lower Upper
73 100
57 23.0 19.4 29.0



#20
Methylene Chloride
Concen: 19.568 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 84 Resp: 90665
Ion Ratio Lower Upper
84 100
49 121.8 110.4 165.6
51 36.8 33.4 50.2
86 60.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.475 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

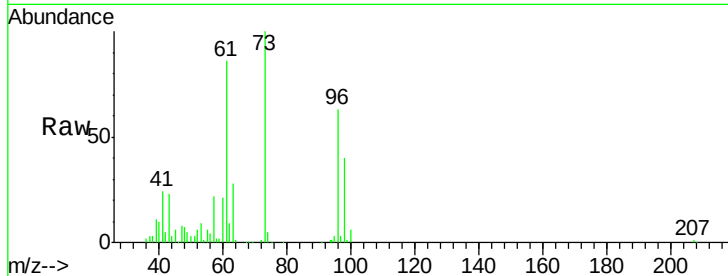
Tot Ion: 96 Resp: 91458

Ion Ratio Lower Upper

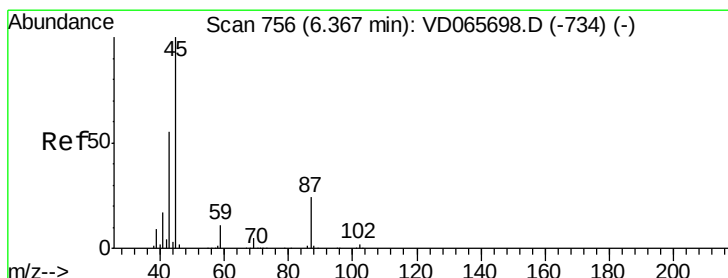
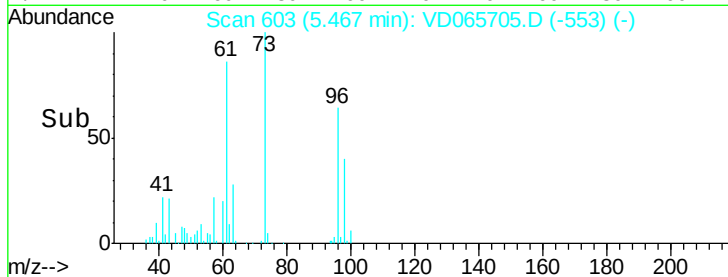
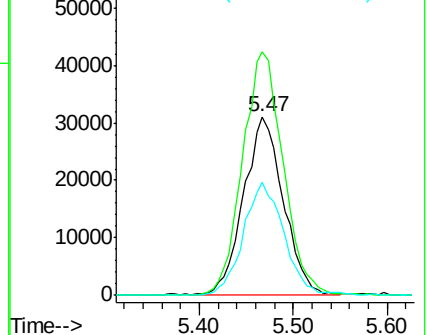
96 100

61 136.1 113.0 169.4

98 63.5 49.5 74.3



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: 18.344 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Tgt Ion: 45 Resp: 278989

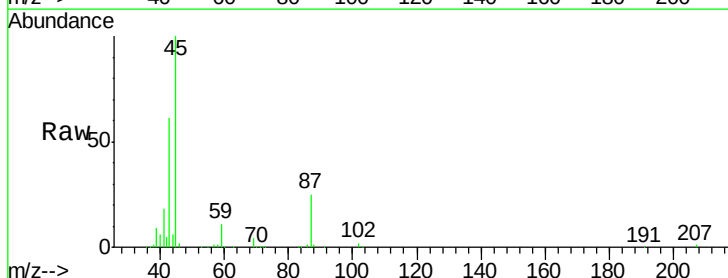
Ion Ratio Lower Upper

45 100

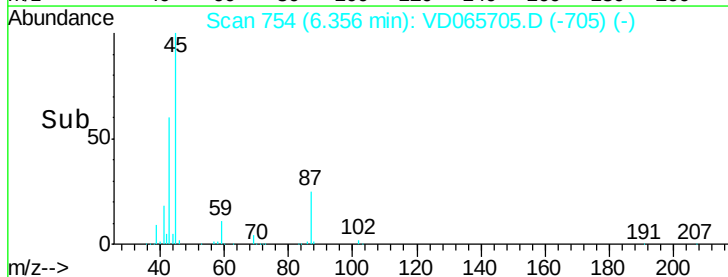
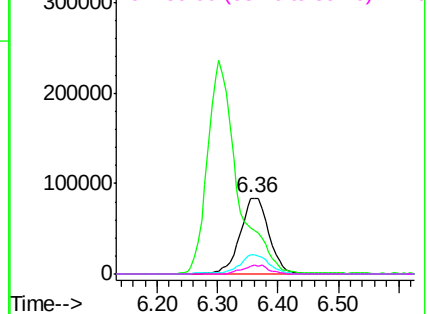
43 59.3 44.2 66.4

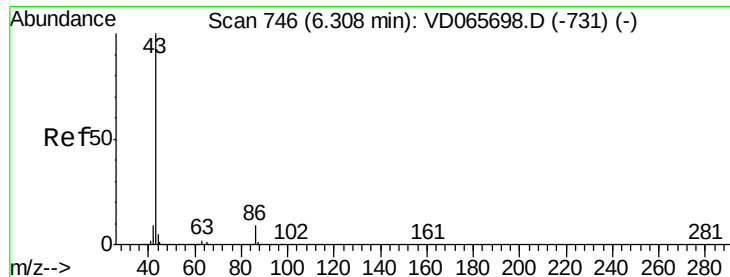
87 25.5 19.0 28.4

59 10.8 8.6 13.0



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





#23

Vinyl Acetate

Concen: 87.737 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

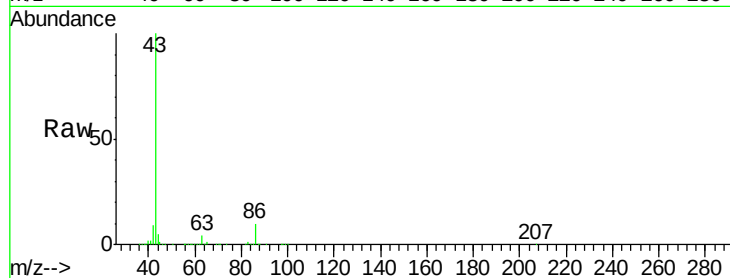
VD0507SBS01

Tot Ion: 43 Resp: 805911

Ion Ratio Lower Upper

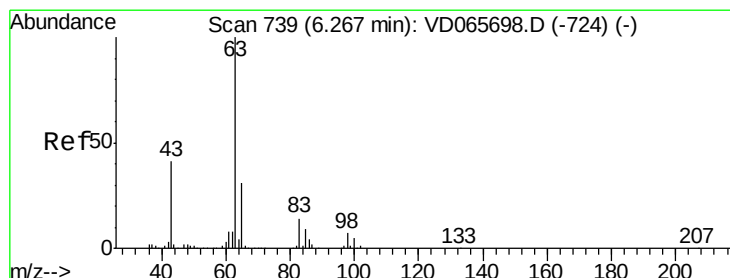
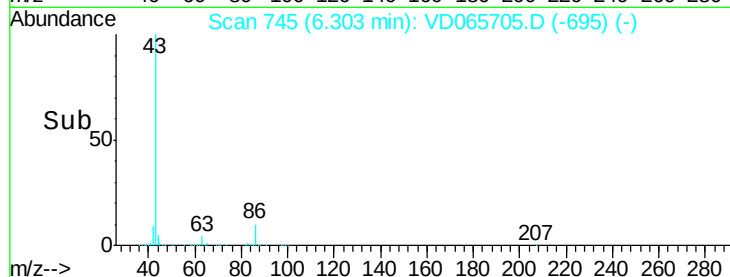
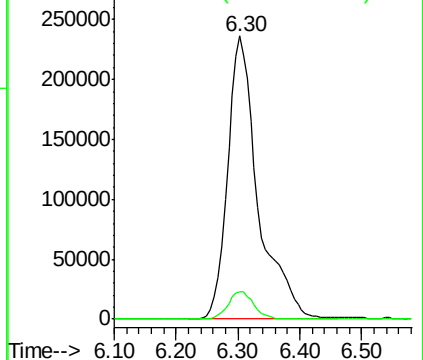
43 100

86 9.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.569 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

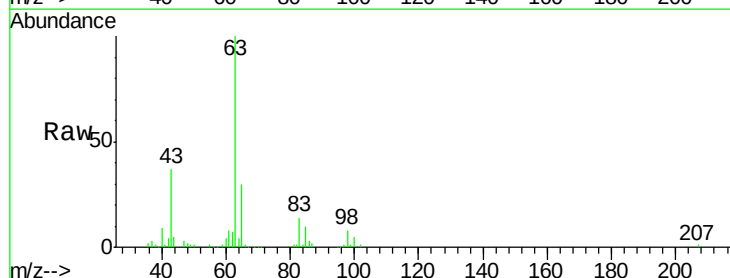
Tgt Ion: 63 Resp: 154704

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

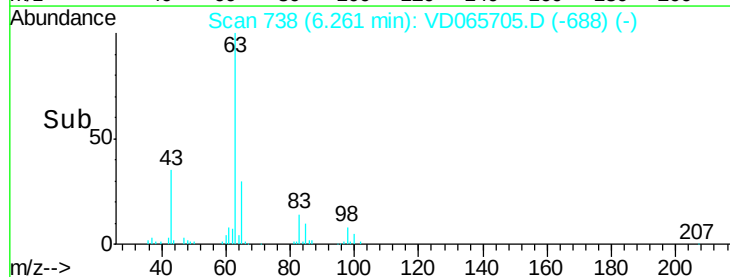
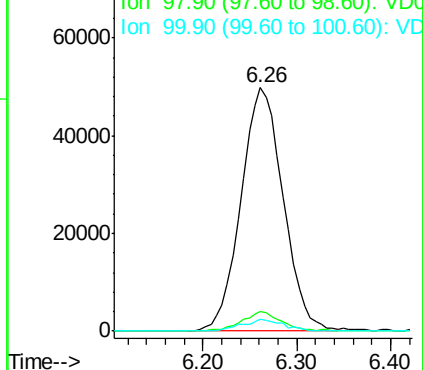
100 4.8 2.3 6.9

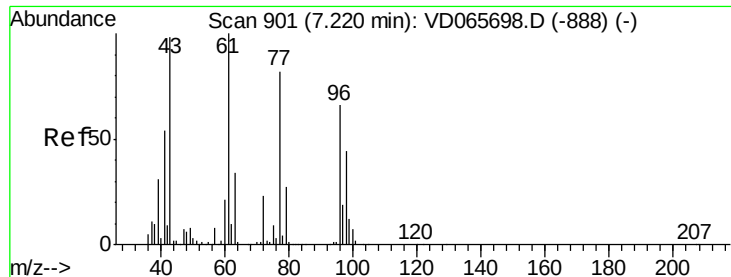


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.062 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

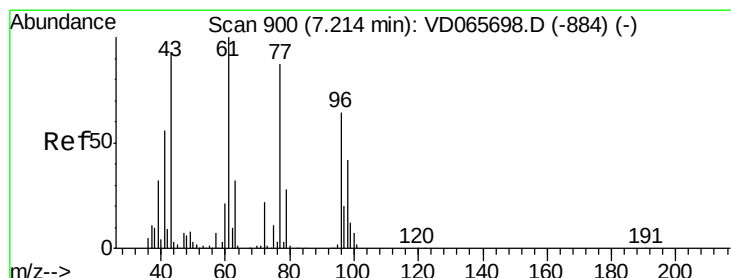
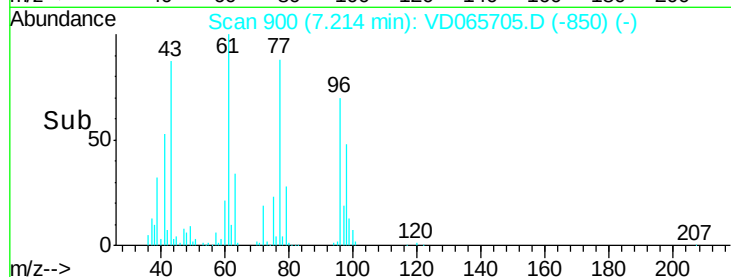
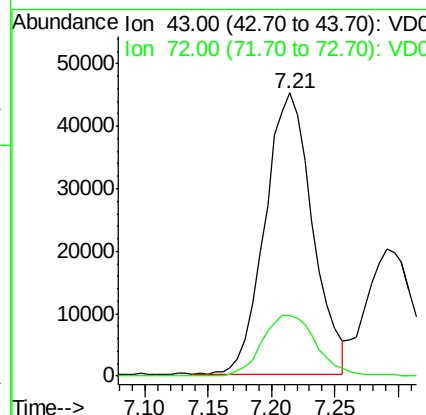
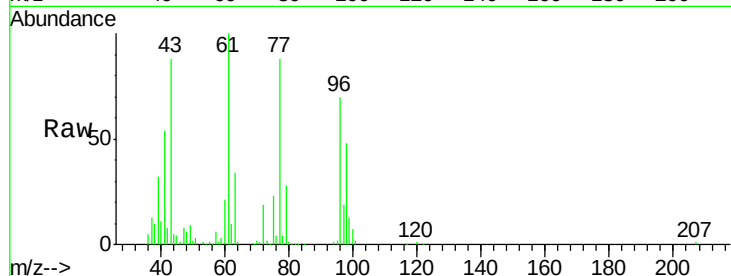
VD0507SBS01

Tot Ion: 43 Resp: 117418

Ion Ratio Lower Upper

43 100

72 21.7 19.2 28.8



#26

2,2-Dichloropropane

Concen: 19.435 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065705.D

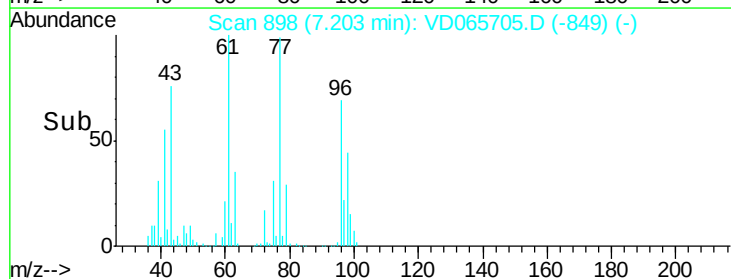
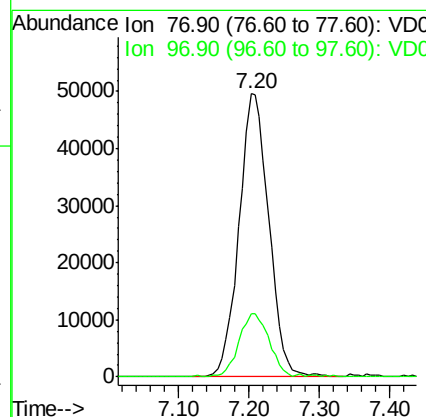
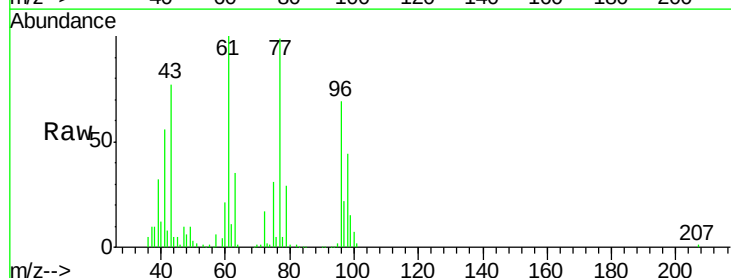
Acq: 07 May 2020 11:34

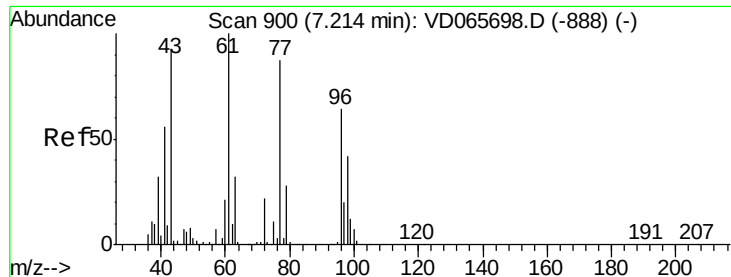
Tgt Ion: 77 Resp: 145783

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



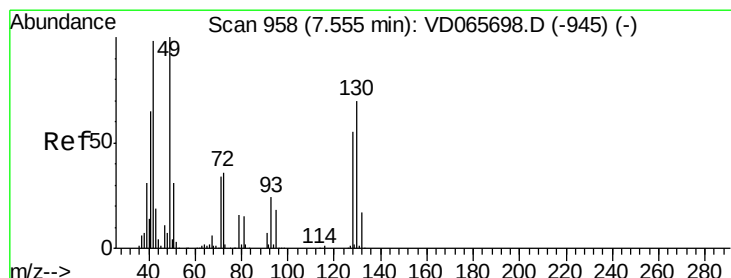
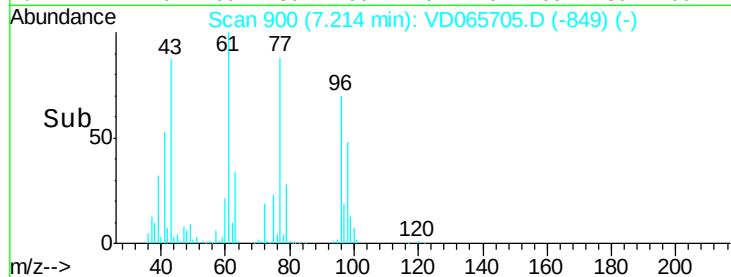
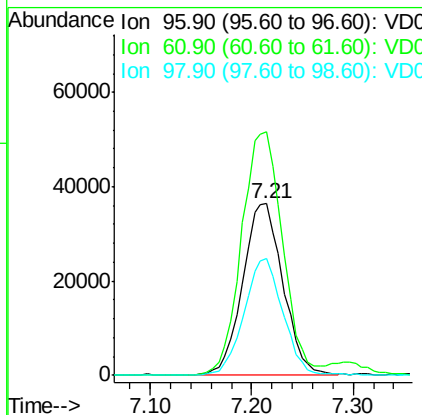
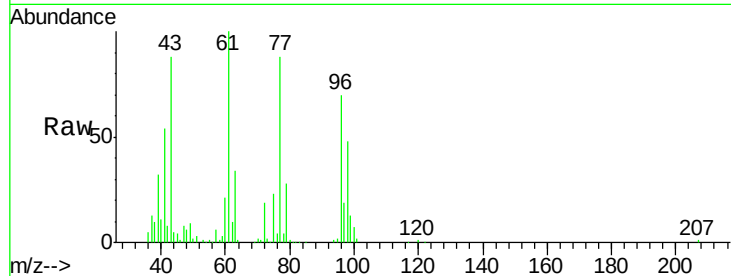


#27

cis-1,2-Dichloroethene
Concen: 19.705 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

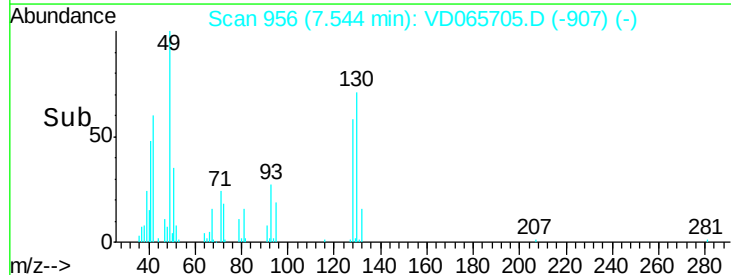
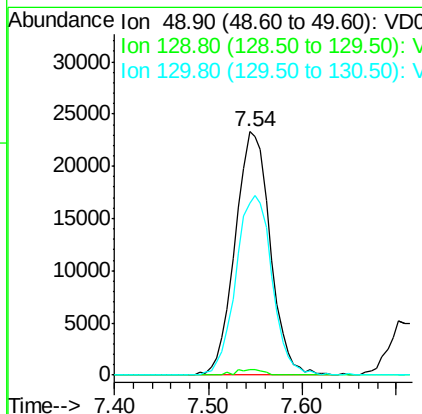
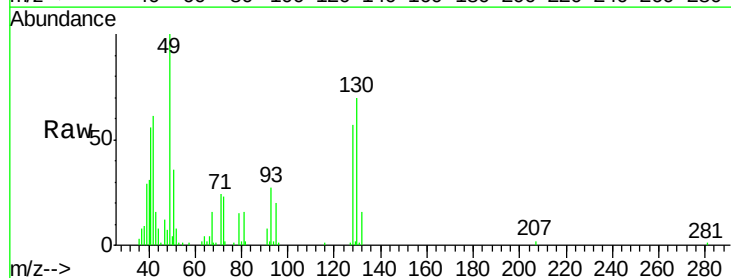
Tot Ion: 96 Resp: 100415
Ion Ratio Lower Upper
96 100
61 144.8 0.0 306.6
98 65.7 0.0 129.4

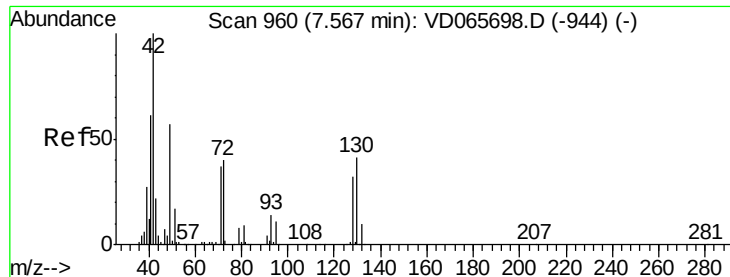


#28

Bromochloromethane
Concen: 17.392 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 49 Resp: 60432
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 75.8 56.4 84.6





#29

Tetrahydrofuran

Concen: 82.899 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

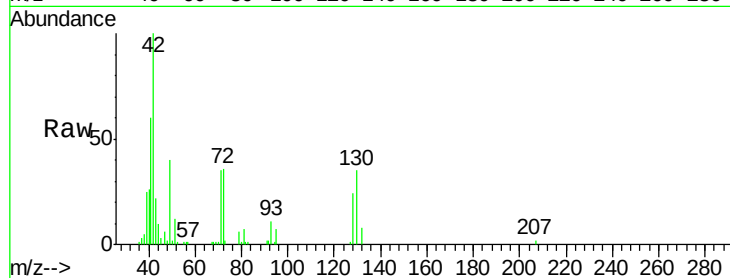
Tot Ion: 42 Resp: 72899

Ion Ratio Lower Upper

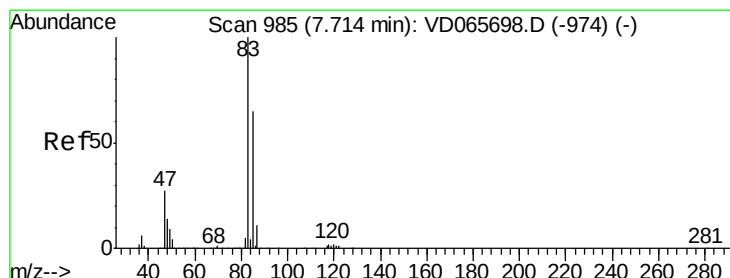
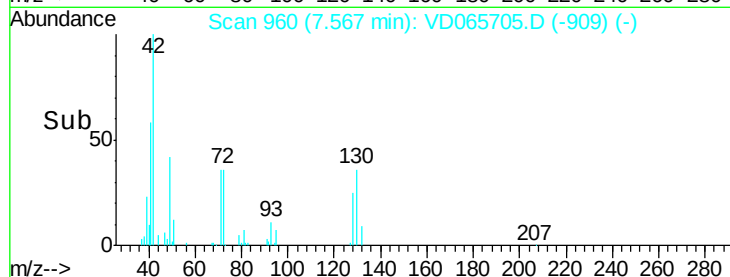
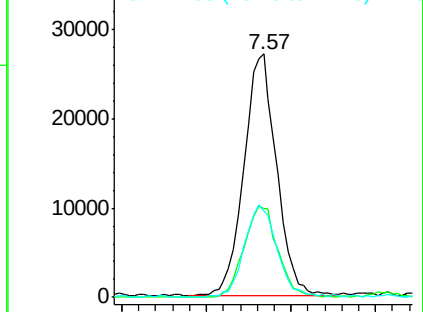
42 100

72 38.9 30.4 45.6

71 38.3 28.0 42.0



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



#30

Chloroform

Concen: 19.080 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065705.D

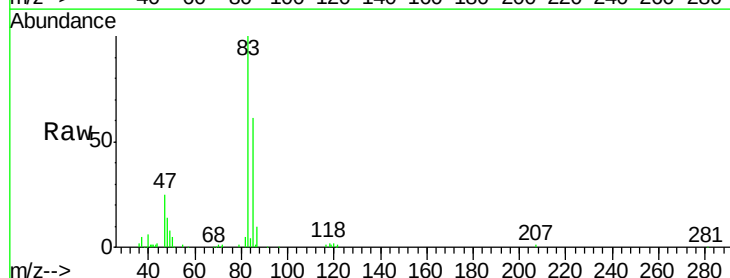
Acq: 07 May 2020 11:34

Tgt Ion: 83 Resp: 152969

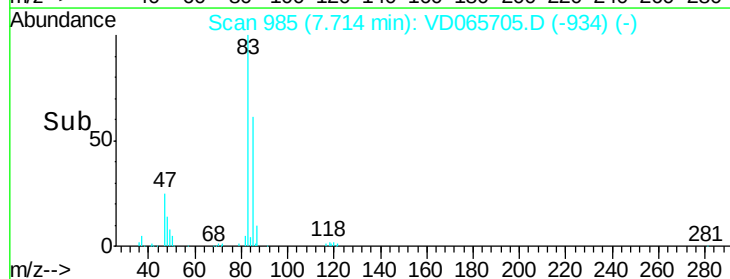
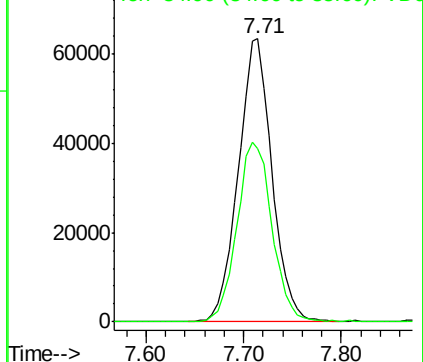
Ion Ratio Lower Upper

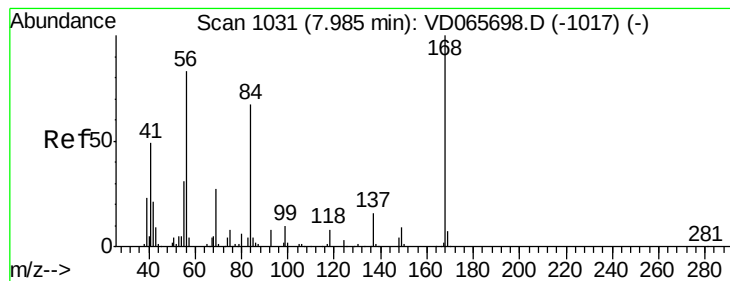
83 100

85 61.3 52.1 78.1



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





#31

Cyclohexane

Concen: 18.527 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

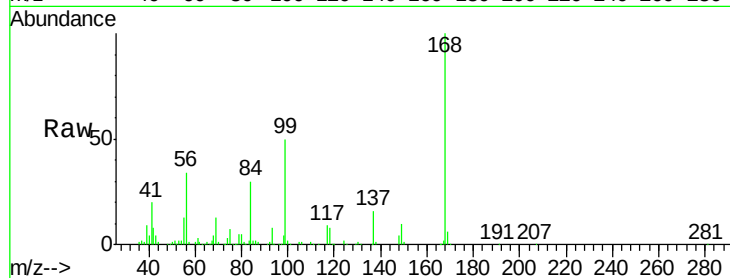
Tot Ion: 56 Resp: 159713

Ion Ratio Lower Upper

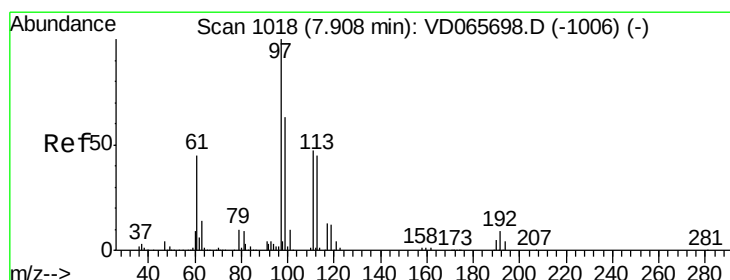
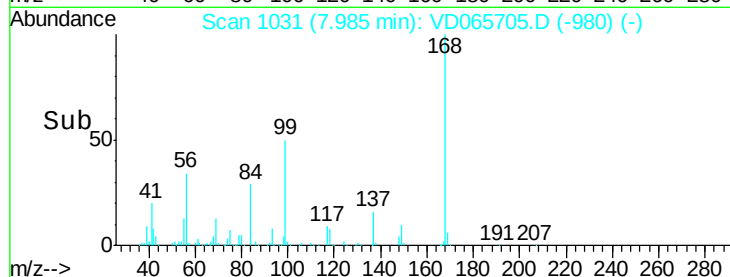
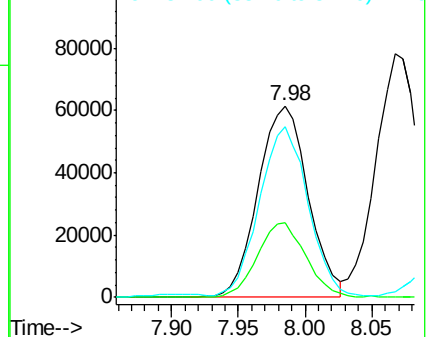
56 100

69 38.5 26.3 39.5

84 87.6 64.5 96.7



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: 19.110 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

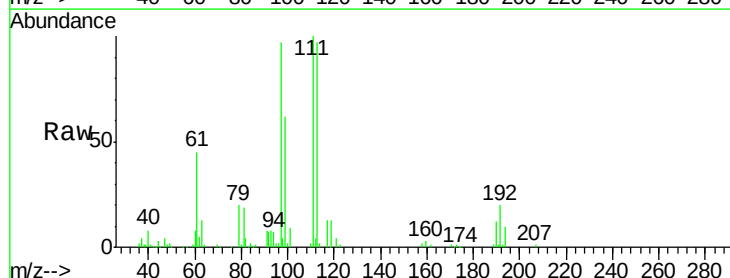
Tgt Ion: 97 Resp: 142019

Ion Ratio Lower Upper

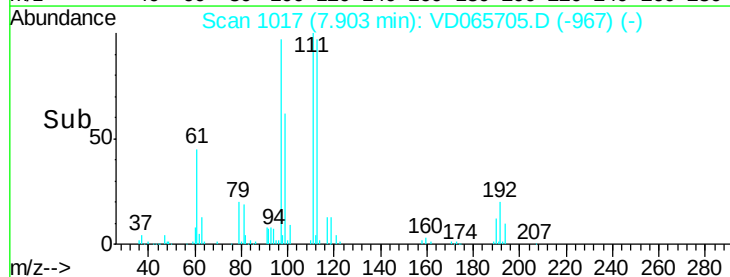
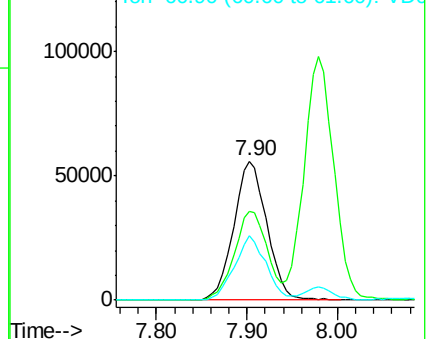
97 100

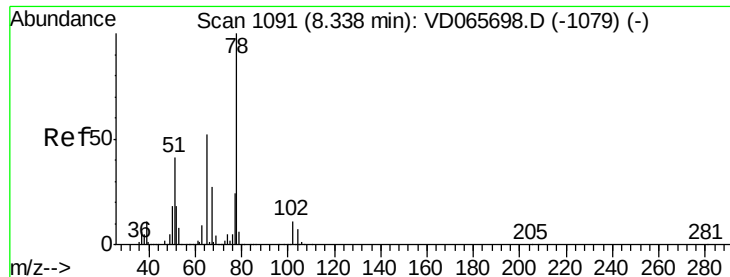
99 63.5 50.8 76.2

61 44.4 36.0 54.0



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

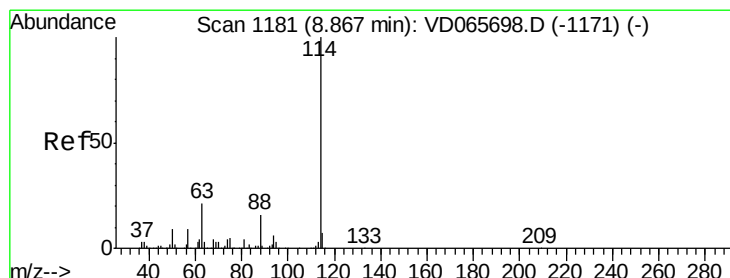
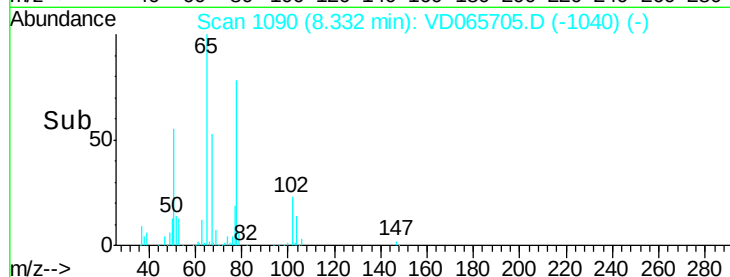
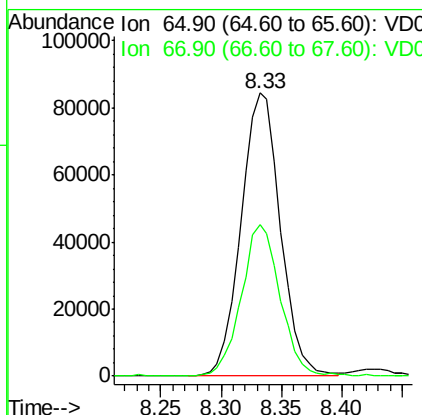
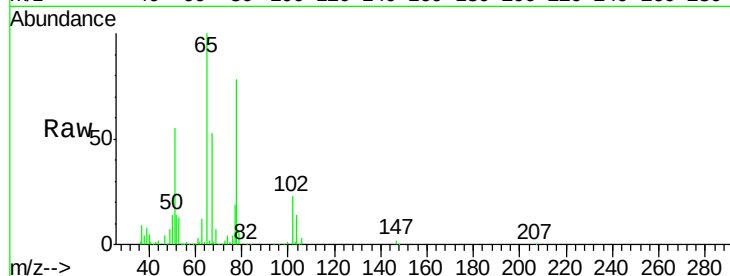




#33
 1,2-Dichloroethane-d4
 Concen: 44.524 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

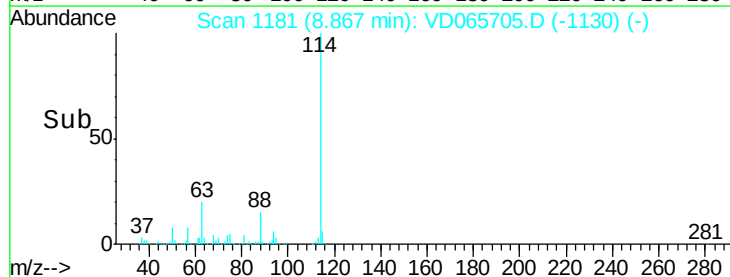
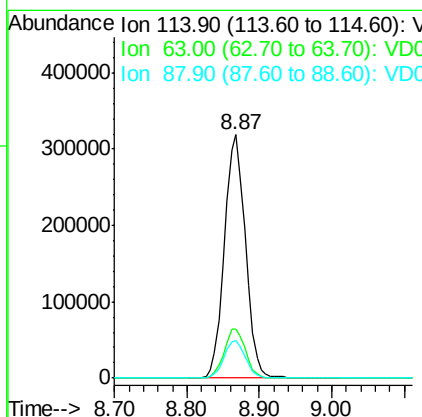
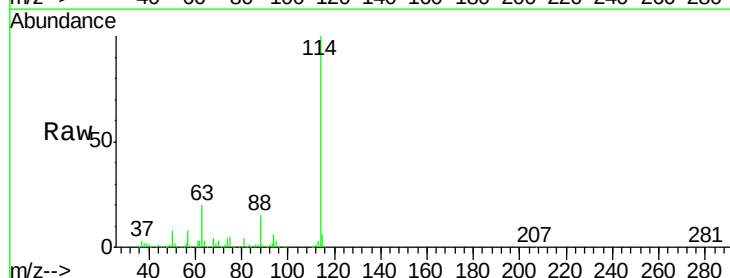
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

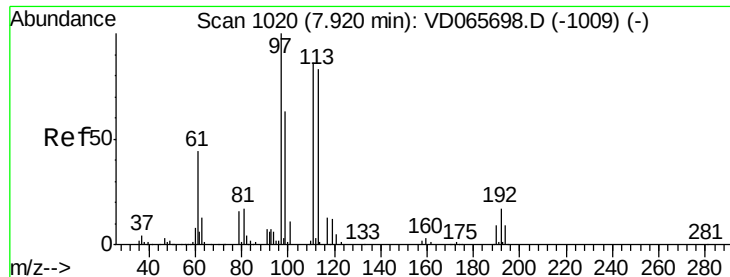
Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	42.4
88	15.5	0.0	32.6

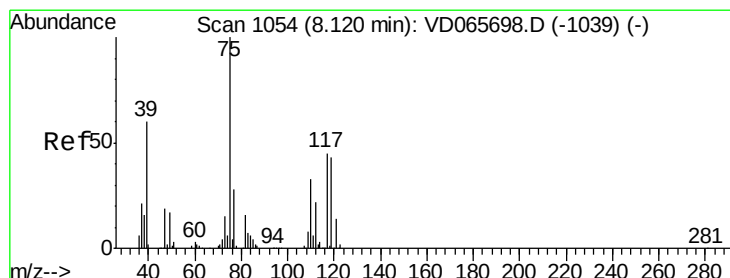
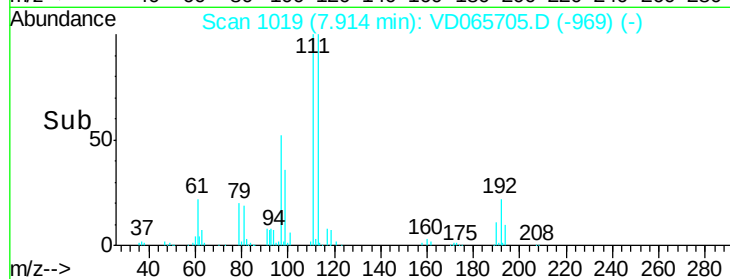
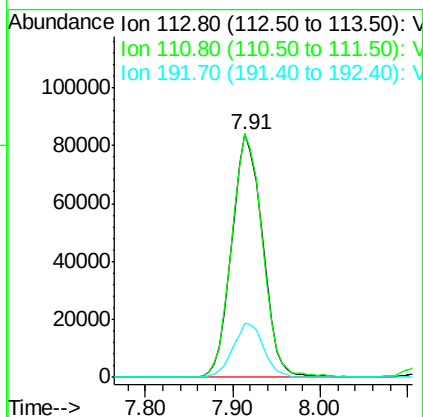
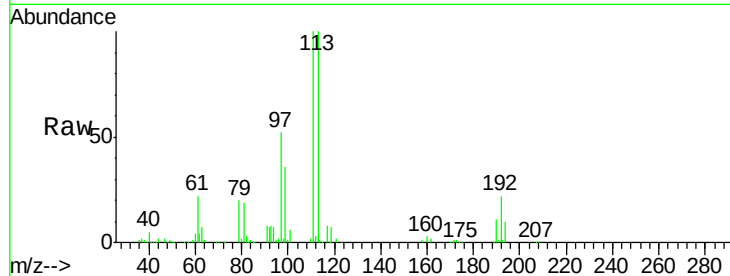




#35
 Dibromofluoromethane
 Concen: 49.772 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

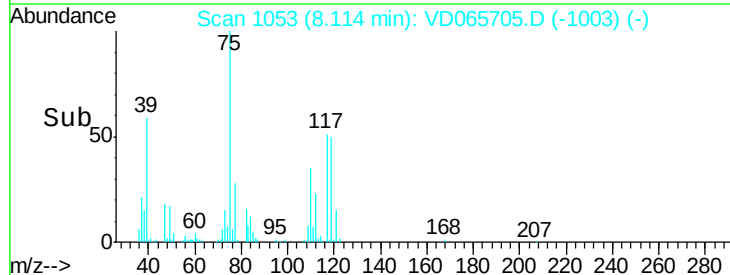
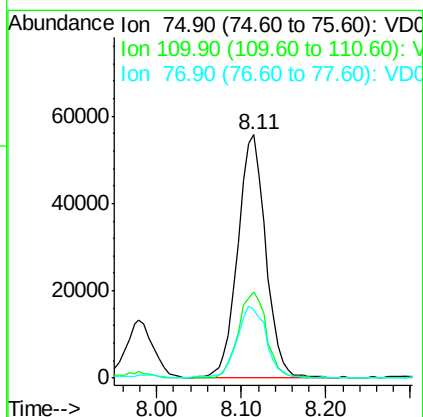
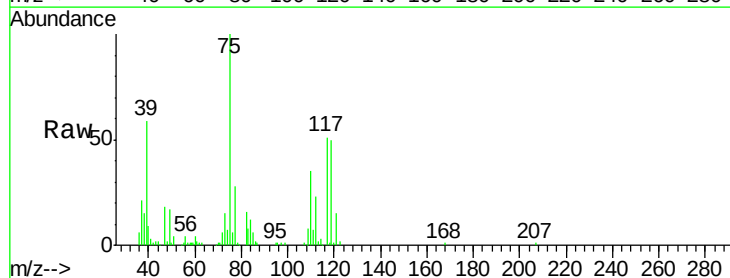
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

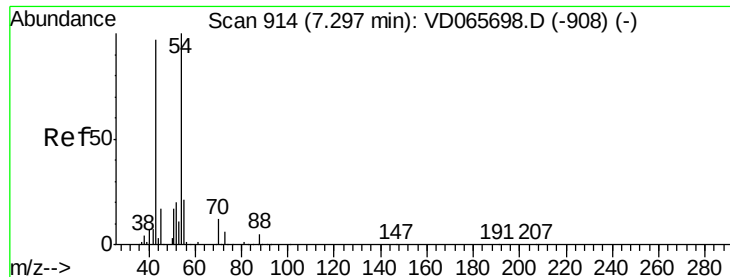
Tot Ion:113 Resp: 200452
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.7 124.1
 192 22.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 19.993 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion: 75 Resp: 127947
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.2 51.6
 77 31.2 23.7 35.5

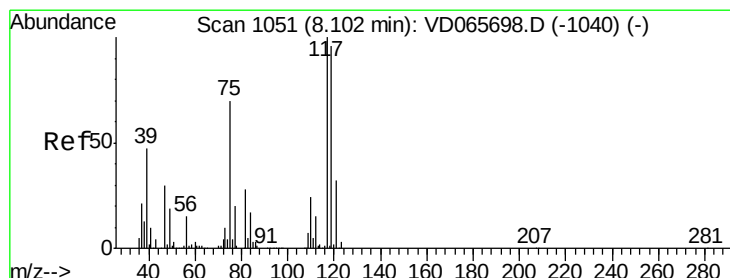
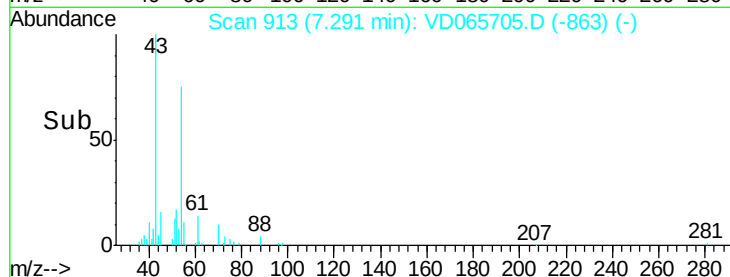
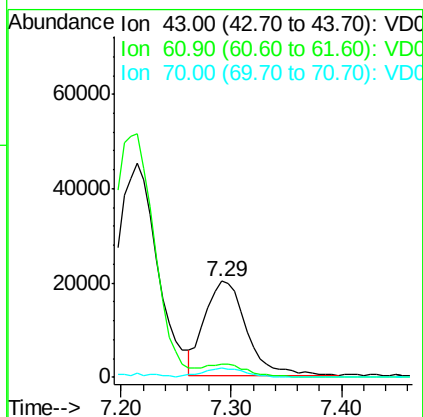
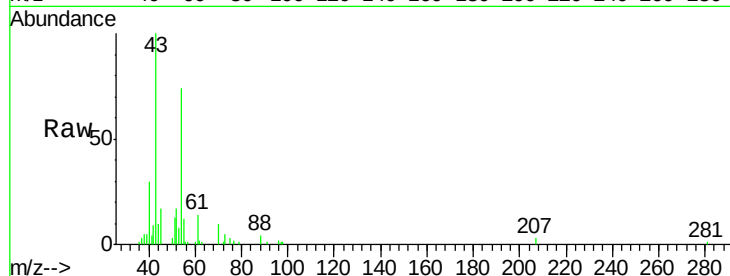




#37
Ethyl Acetate
Concen: 16.833 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

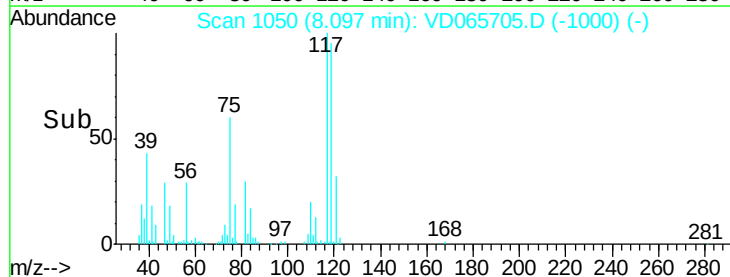
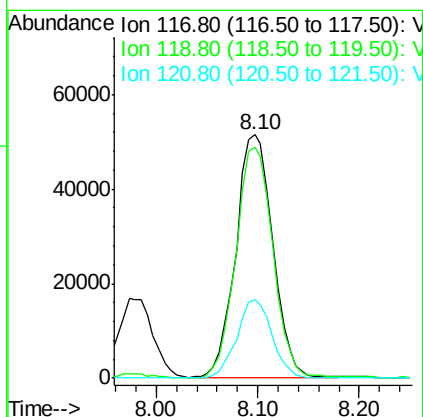
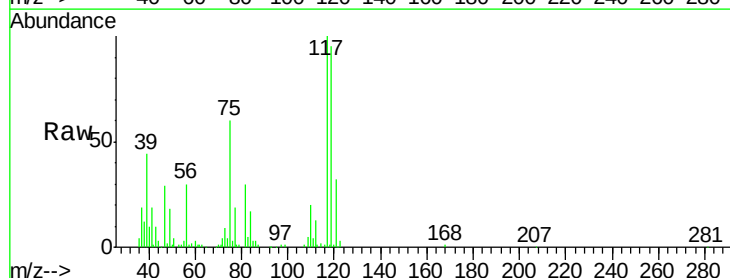
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

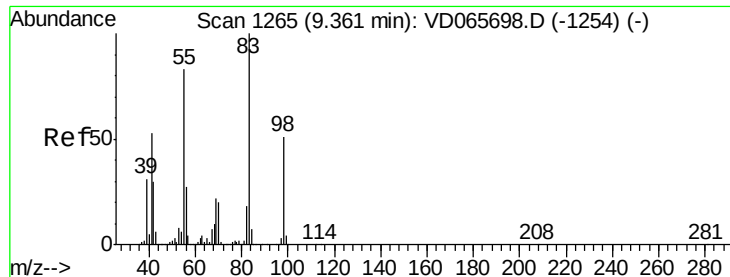
Tot Ion: 43 Resp: 51872
Ion Ratio Lower Upper
43 100
61 13.9 9.9 14.9
70 10.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 20.464 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 117 Resp: 129849
Ion Ratio Lower Upper
117 100
119 95.0 77.1 115.7
121 32.2 25.5 38.3

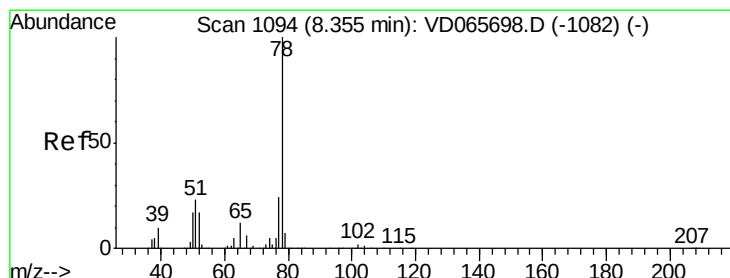
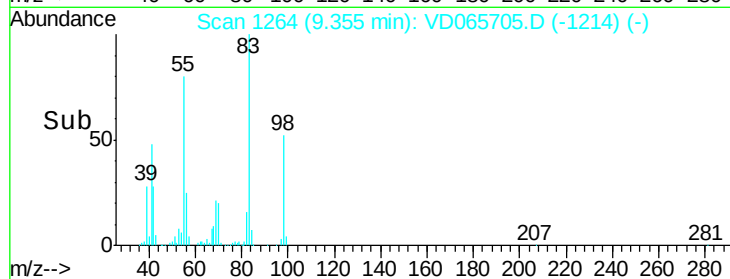
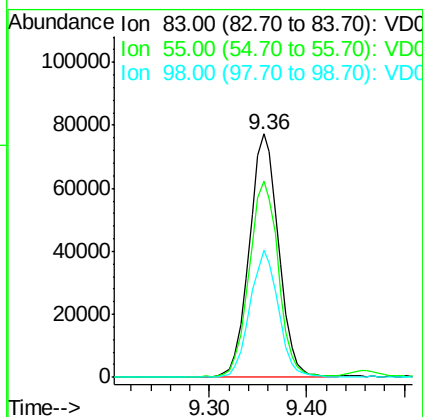
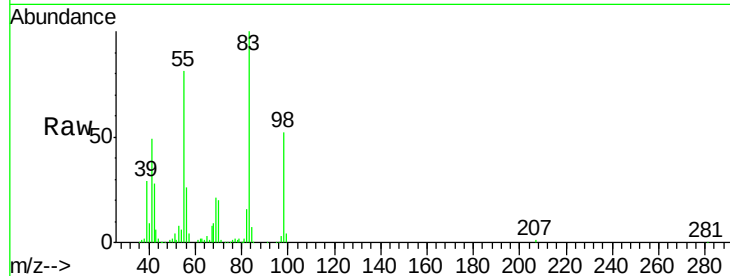




#39
Methylvlcyclohexane
Concen: 20.159 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

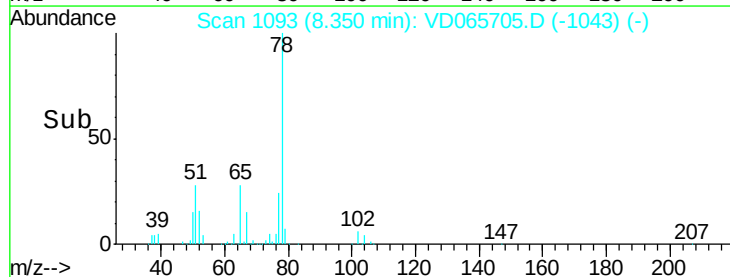
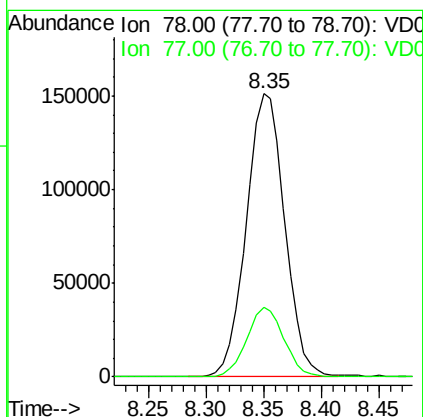
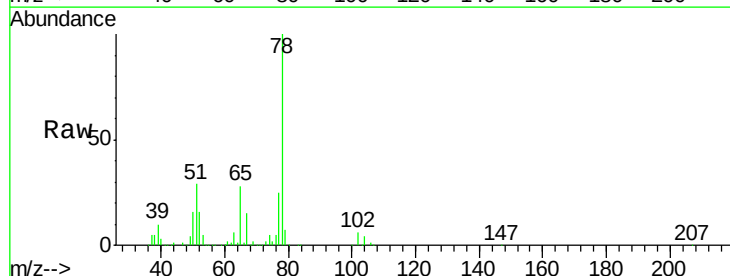
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

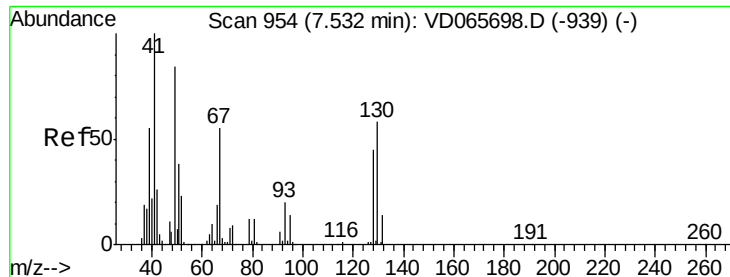
Tot Ion: 83 Resp: 161971
Ion Ratio Lower Upper
83 100
55 80.4 66.0 99.0
98 52.0 41.0 61.4



#40
Benzene
Concen: 20.057 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 78 Resp: 350551
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

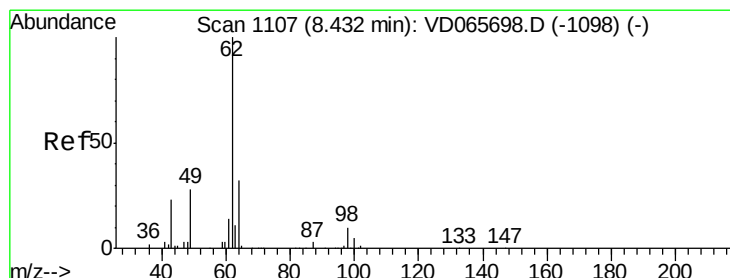
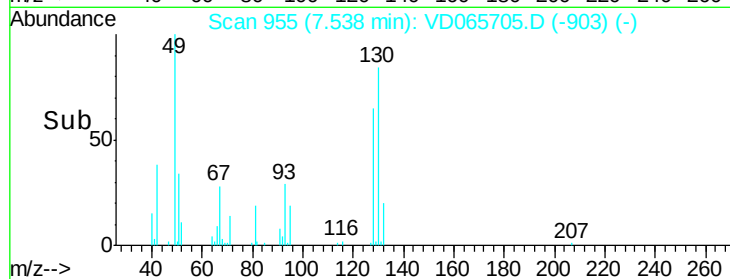
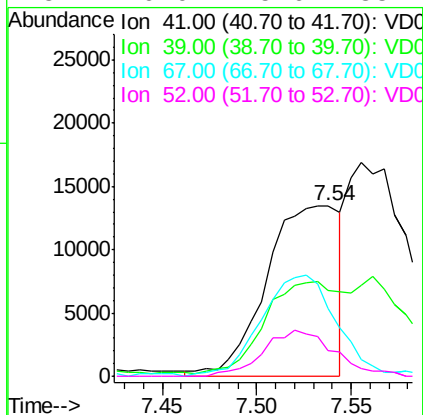
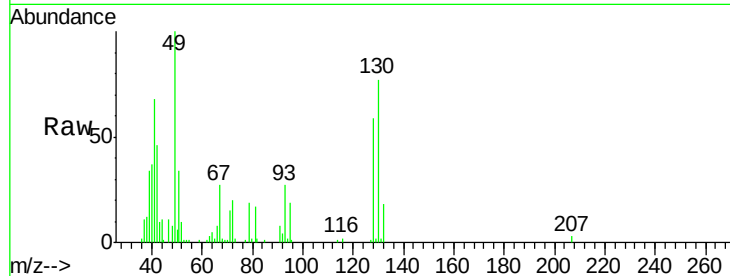




#41
Methacrylonitrile
Concen: 20.543 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

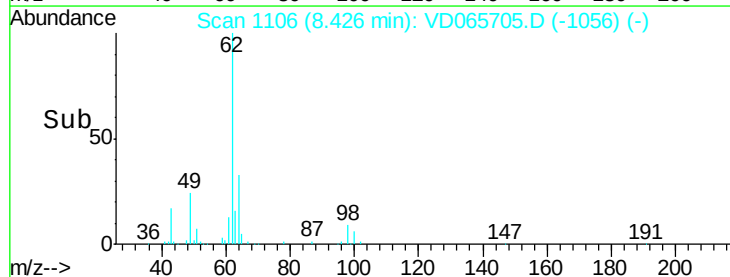
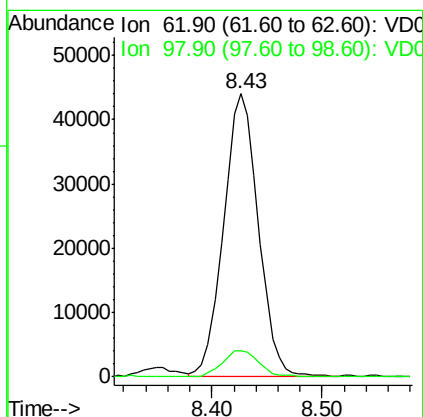
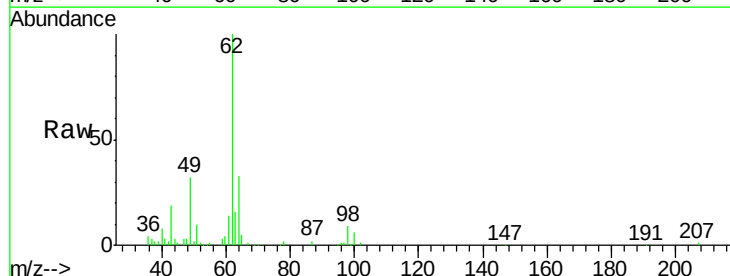
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

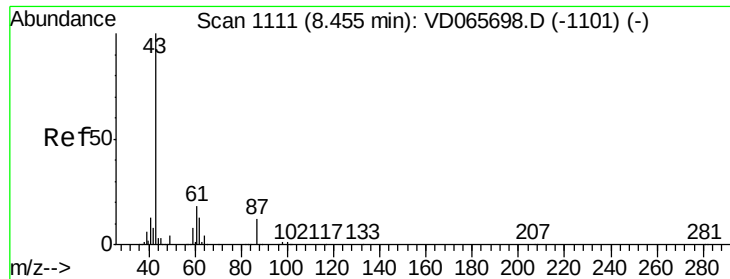
Tot Ion: 41 Resp: 36514
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 0.0 59.4 89.0#
52 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 19.277 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 62 Resp: 96949
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.2





#43

Isopropyl Acetate

Concen: 17.603 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

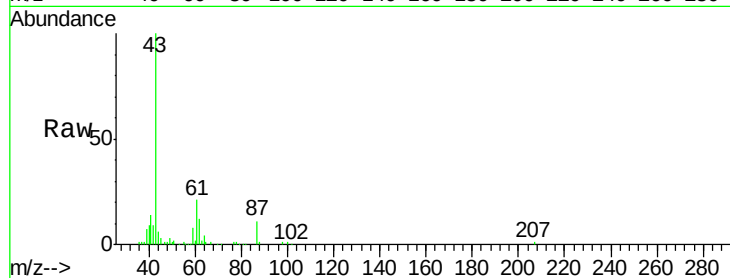
Tot Ion: 43 Resp: 108473

Ion Ratio Lower Upper

43 100

61 28.5 21.9 32.9

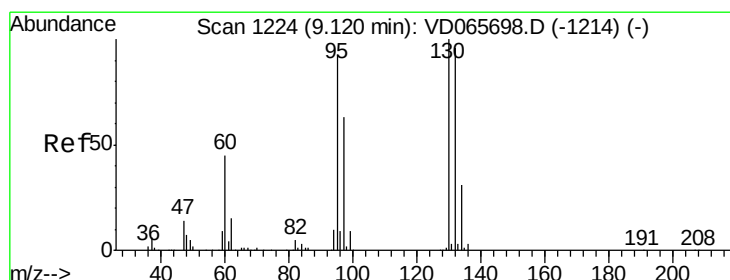
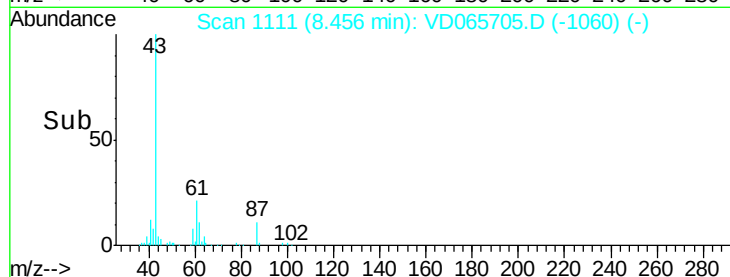
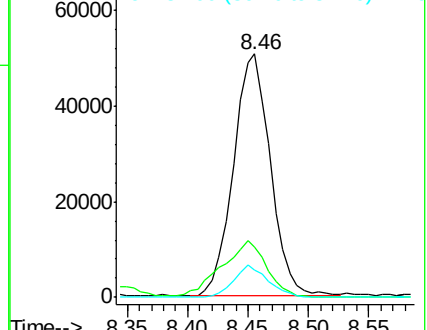
87 12.5 9.4 14.2



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: 21.120 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065705.D

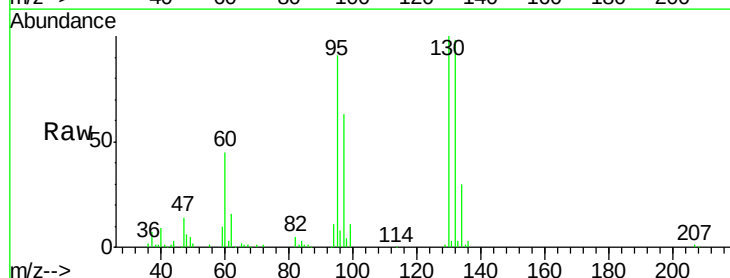
Acq: 07 May 2020 11:34

Tgt Ion:130 Resp: 101722

Ion Ratio Lower Upper

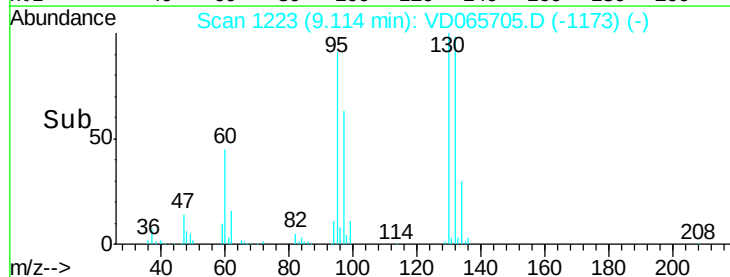
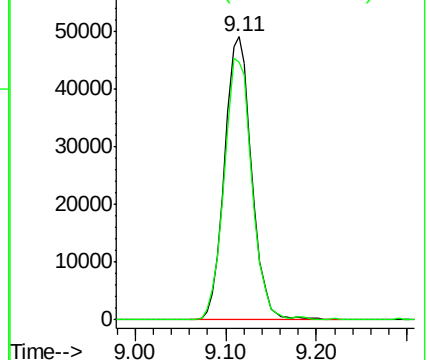
130 100

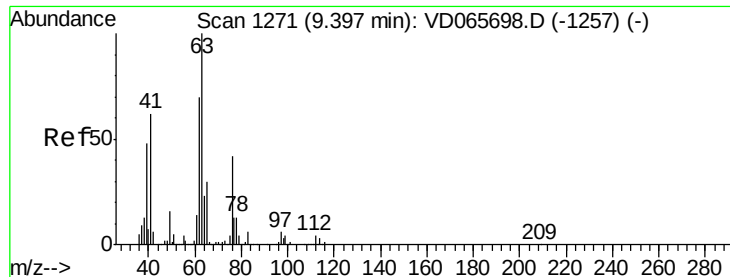
95 91.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.222 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

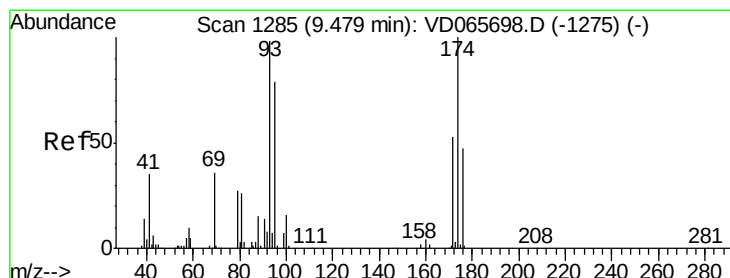
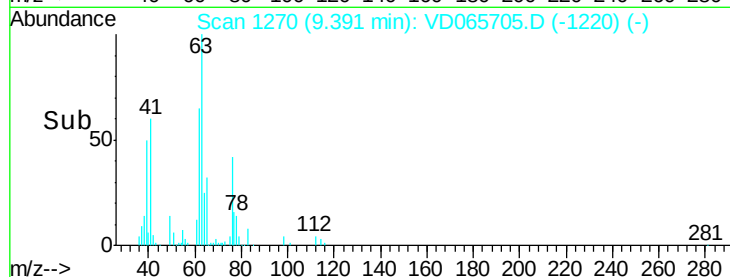
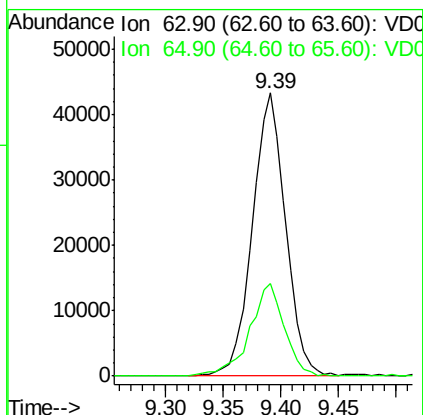
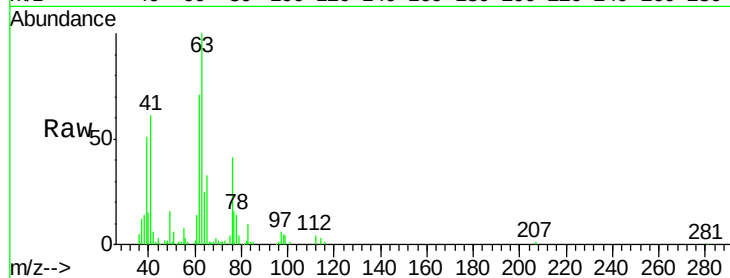
VD0507SBS01

Tot Ion: 63 Resp: 86881

Ion Ratio Lower Upper

63 100

65 32.9 24.1 36.1



#46

Dibromomethane

Concen: 19.528 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

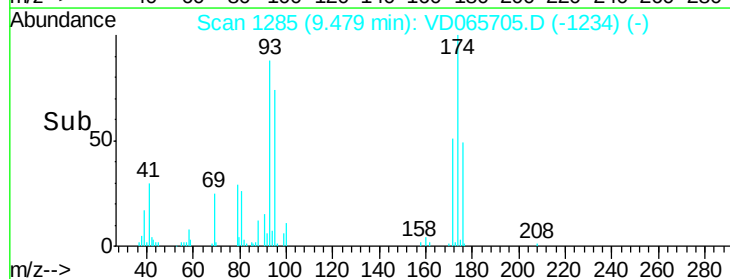
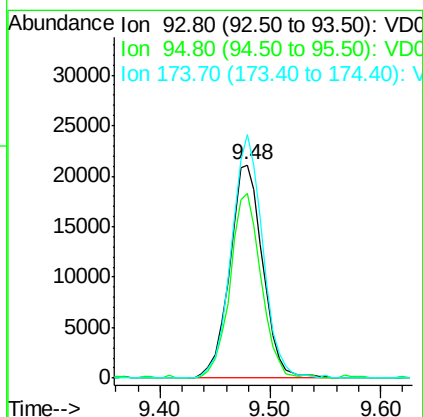
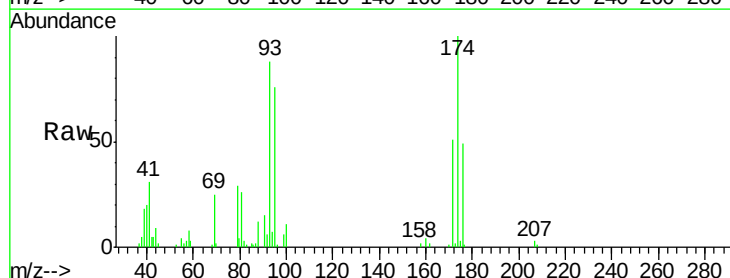
Tgt Ion: 93 Resp: 44275

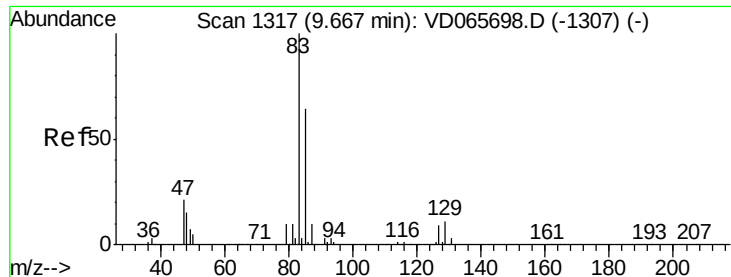
Ion Ratio Lower Upper

93 100

95 81.4 65.3 97.9

174 107.9 82.7 124.1

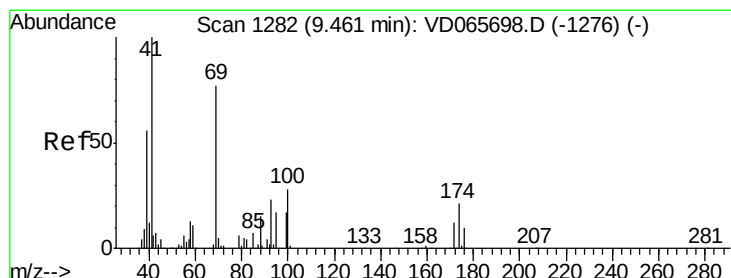
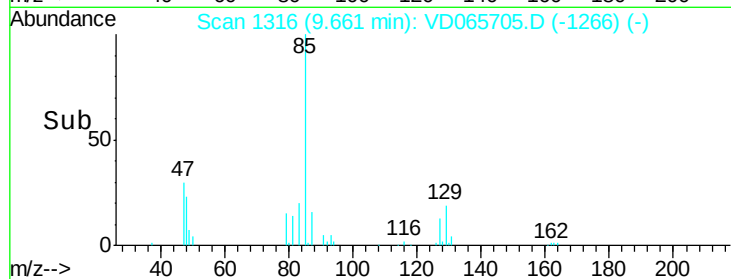
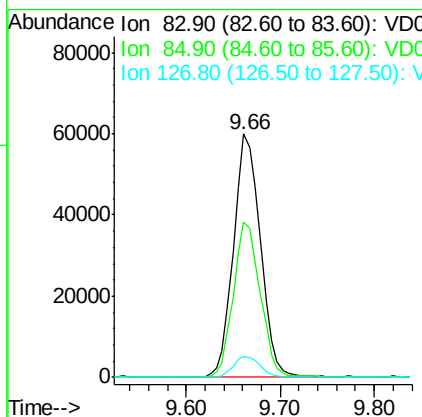
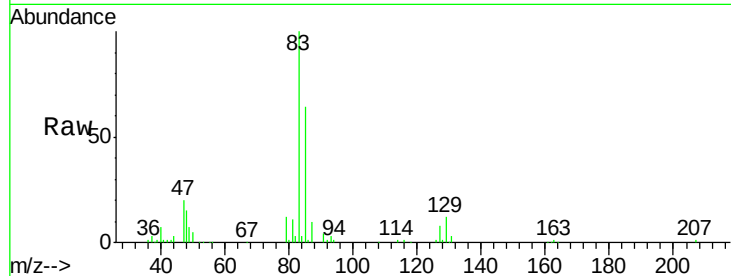




#47
Bromodichloromethane
Concen: 19.739 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

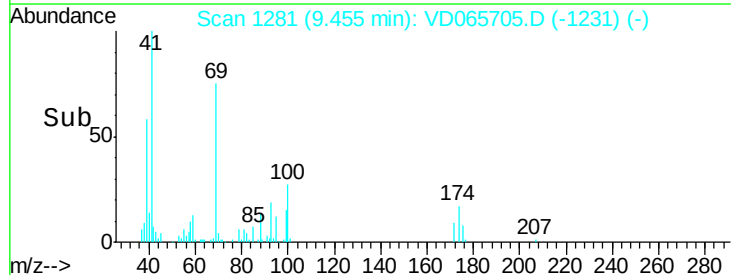
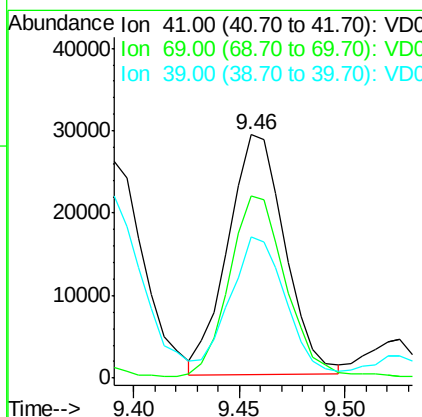
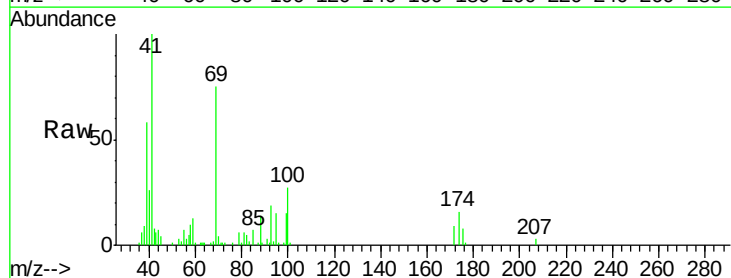
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

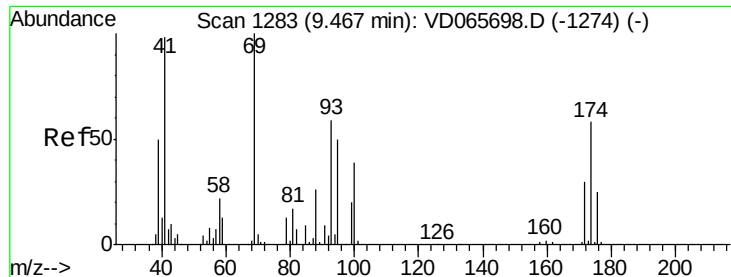
Tot Ion: 83 Resp: 119678
Ion Ratio Lower Upper
83 100
85 64.0 50.9 76.3
127 8.5 6.9 10.3



#48
Methyl methacrylate
Concen: 17.713 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 41 Resp: 54653
Ion Ratio Lower Upper
41 100
69 76.8 58.2 87.2
39 52.6 43.3 64.9

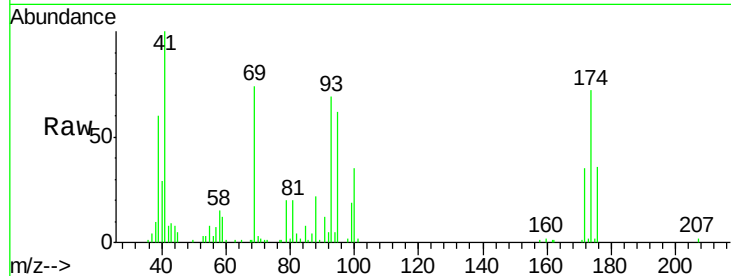




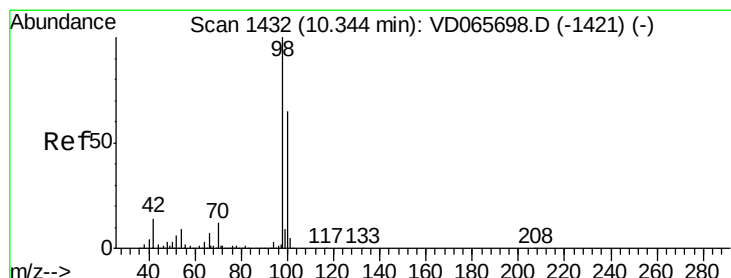
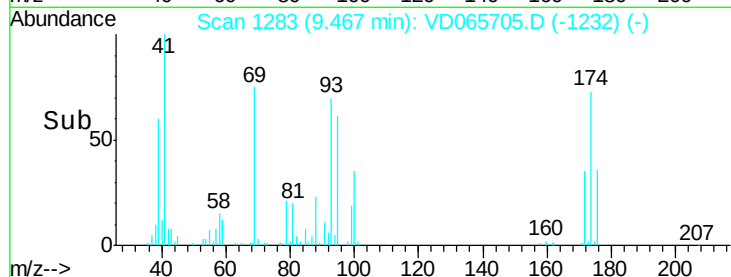
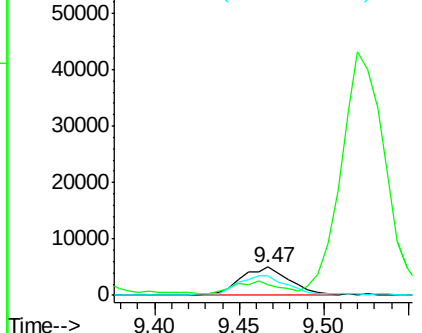
#49
1,4-Dioxane
Concen: 367.089 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 88 Resp: 10202
Ion Ratio Lower Upper
88 100
43 41.1 31.6 47.4
58 72.9 60.2 90.4

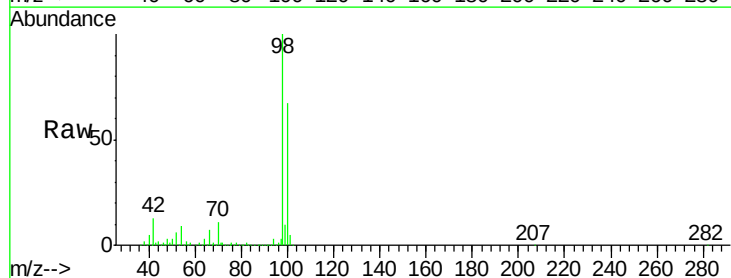


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

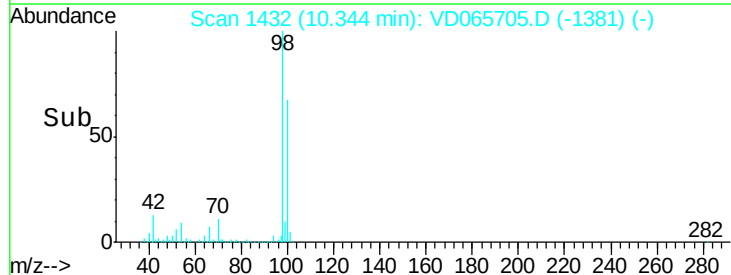
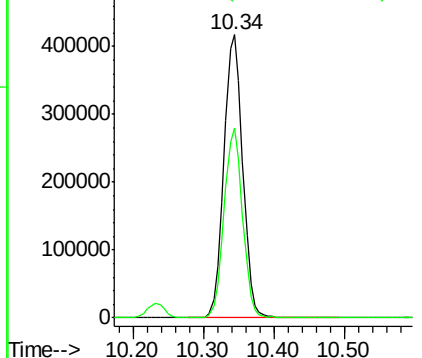


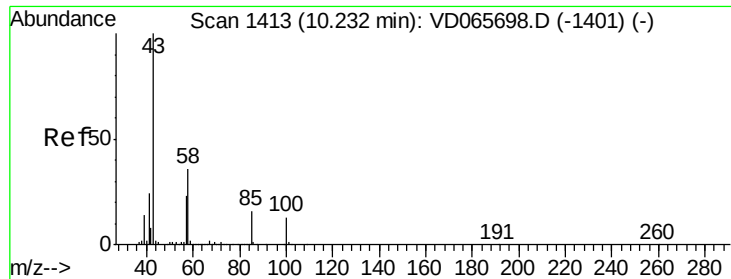
#50
Toluene-d8
Concen: 49.945 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 98 Resp: 772471
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



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

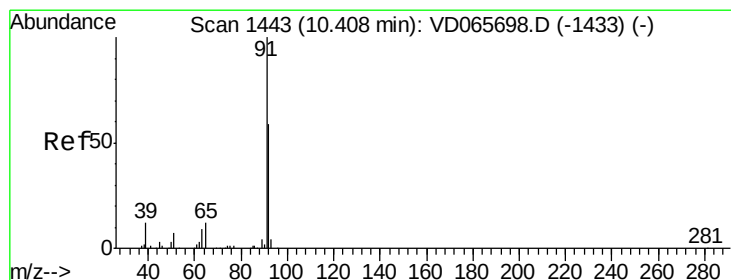
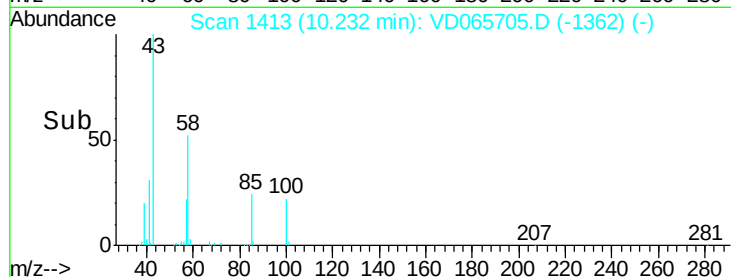
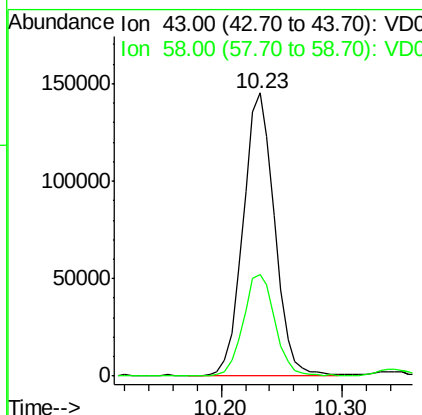
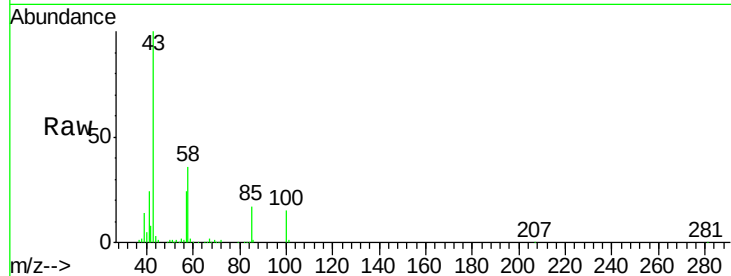




#51
4-Methyl-2-Pentanone
Concen: 88.386 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

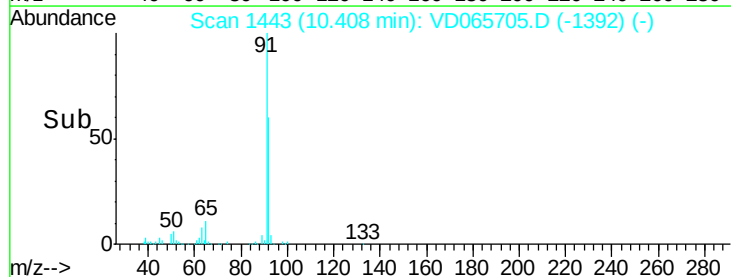
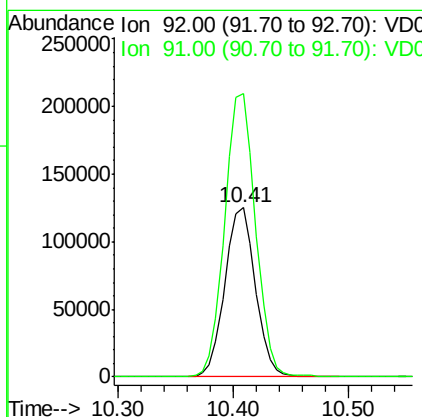
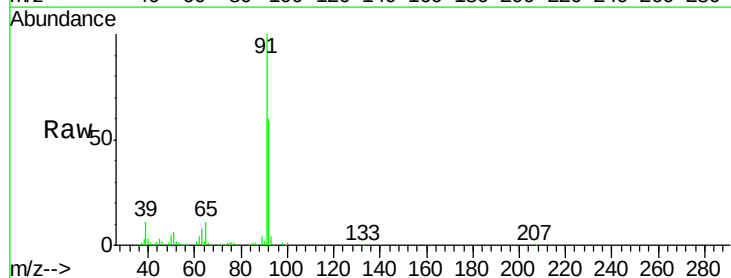
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

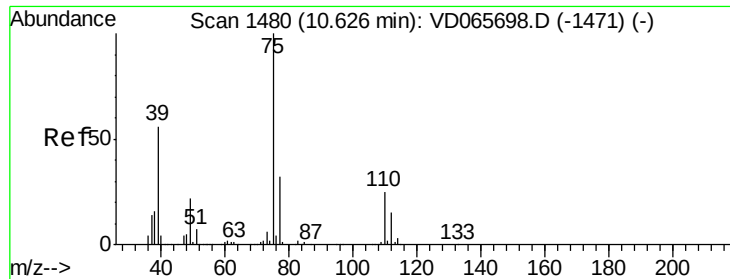
Tot Ion: 43 Resp: 262492
Ion Ratio Lower Upper
43 100
58 36.6 28.6 42.8



#52
Toluene
Concen: 20.797 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 92 Resp: 229870
Ion Ratio Lower Upper
92 100
91 169.5 138.1 207.1

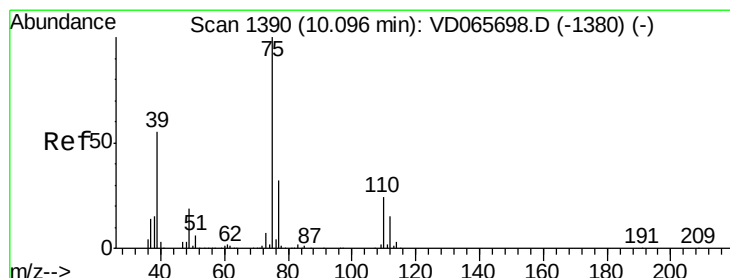
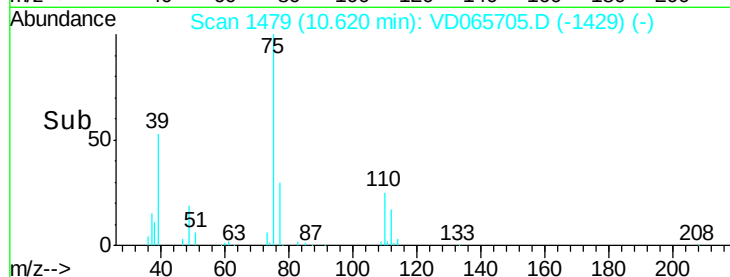
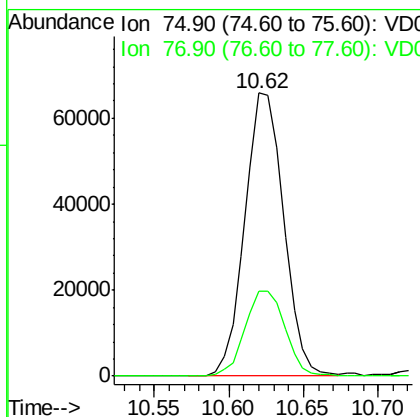
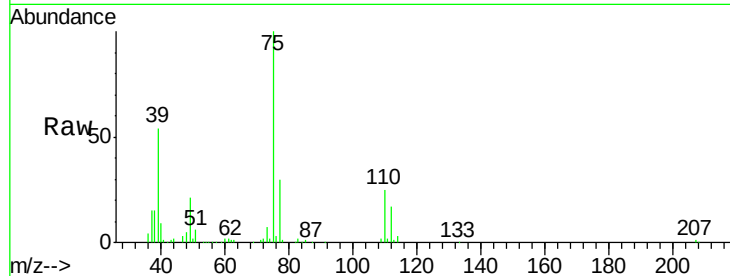




#53
t-1,3-Dichloropropene
Concen: 19.354 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

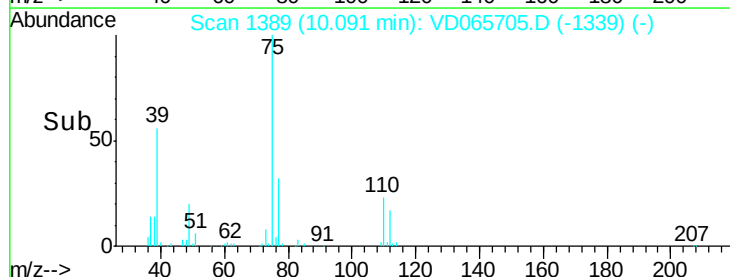
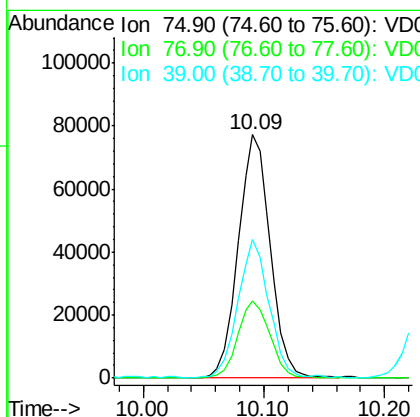
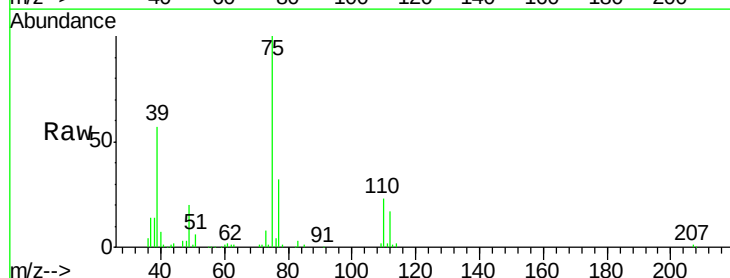
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

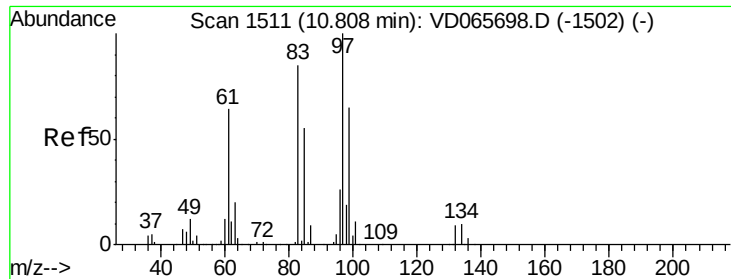
Tot Ion: 75 Resp: 118853
Ion Ratio Lower Upper
75 100
77 29.9 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 19.634 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 75 Resp: 142048
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 56.5 44.4 66.6

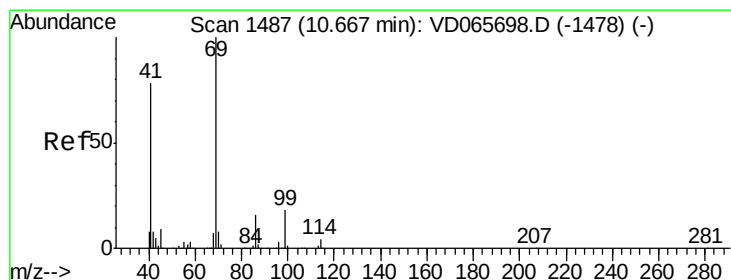
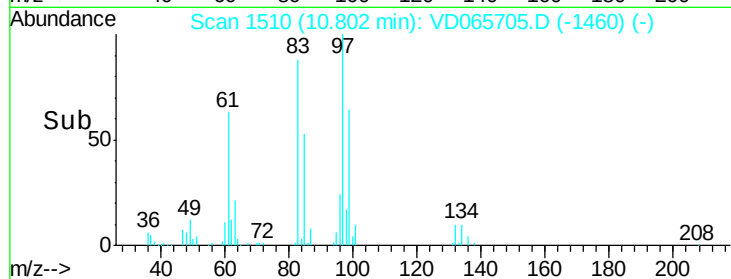
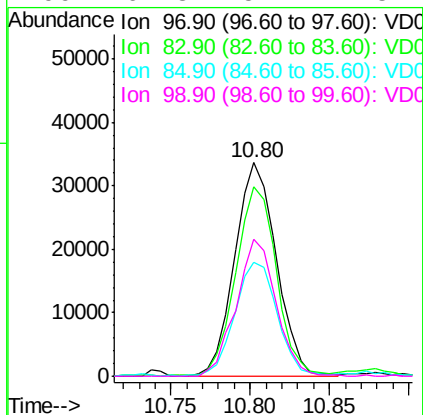
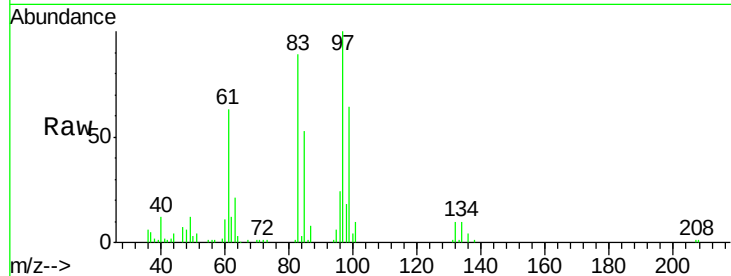




#55
 1,1,2-Trichloroethane
 Concen: 20.095 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

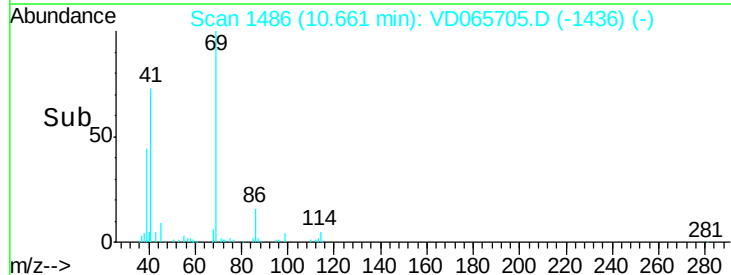
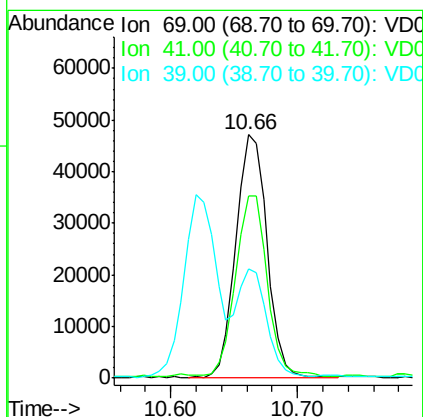
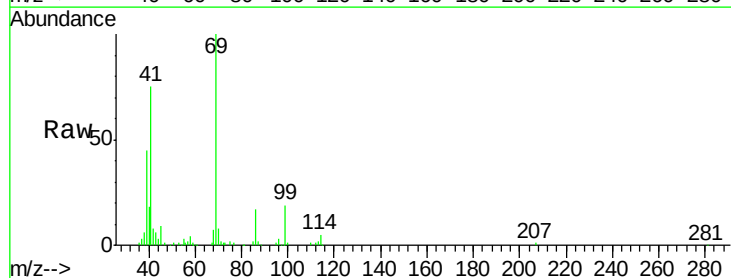
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

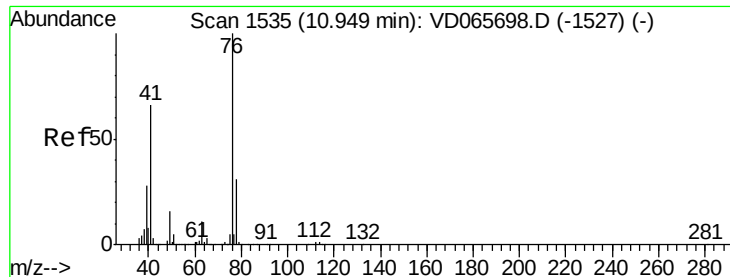
Tot Ion:	97	Resp:	61421
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.4
85	52.4	43.6	65.4
99	64.3	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 18.350 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion:	69	Resp:	80983
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.4	92.0
39	42.3	32.7	49.1





#57

1,3-Dichloropropane

Concen: 19.390 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

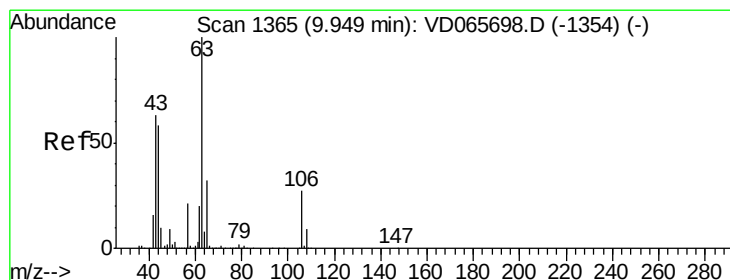
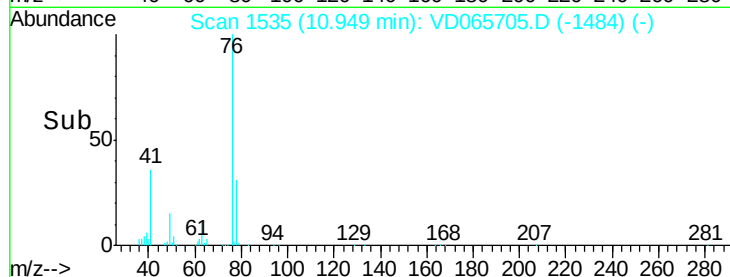
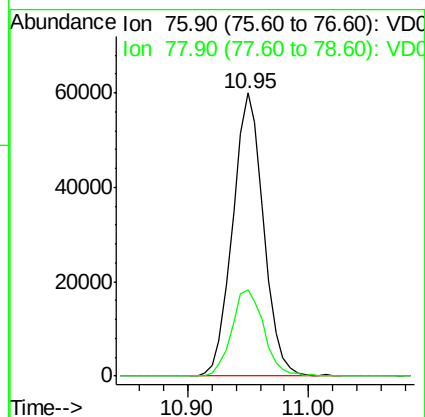
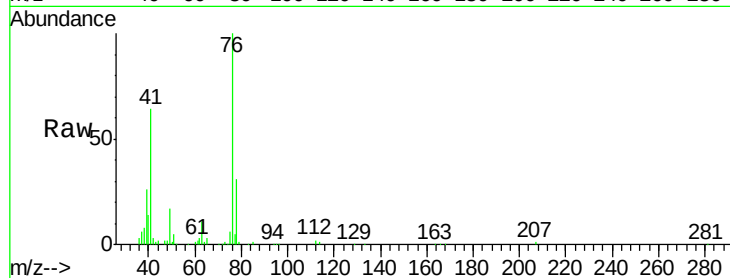
VD0507SBS01

Tot Ion: 76 Resp: 106547

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.977 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065705.D

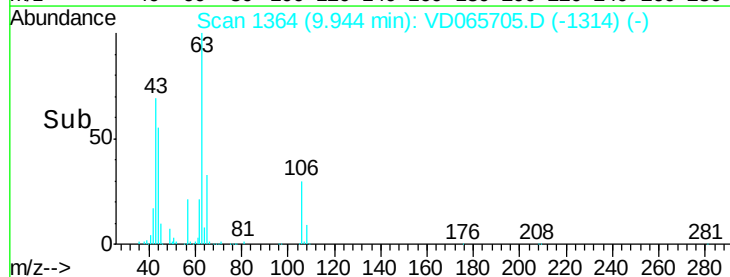
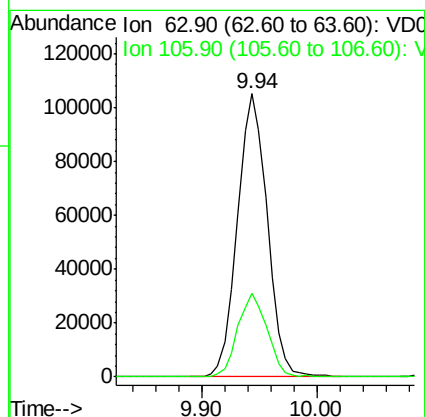
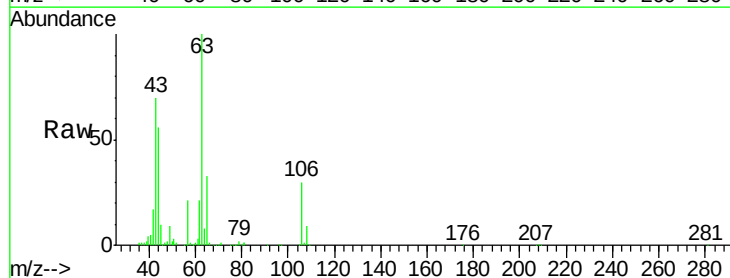
Acq: 07 May 2020 11:34

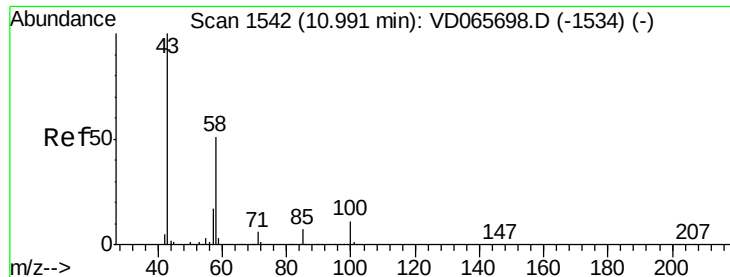
Tgt Ion: 63 Resp: 188372

Ion Ratio Lower Upper

63 100

106 29.3 22.0 33.0

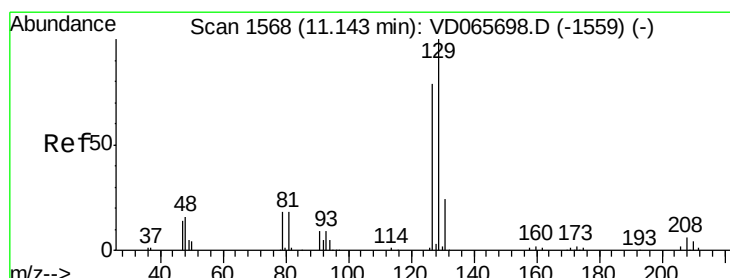
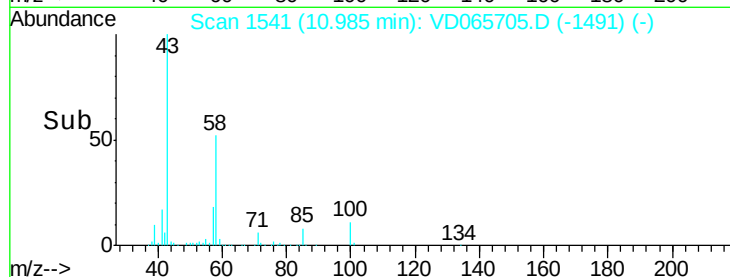
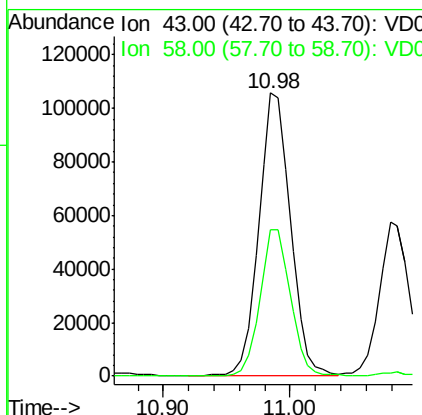
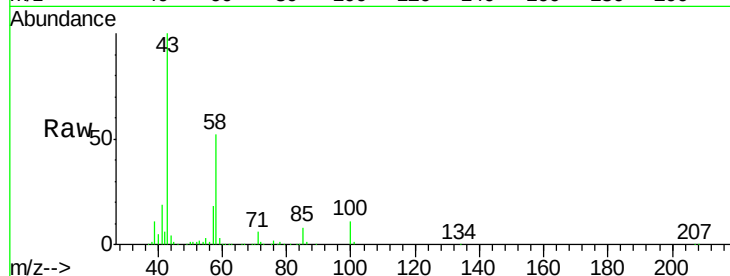




#59
2-Hexanone
Concen: 89.256 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

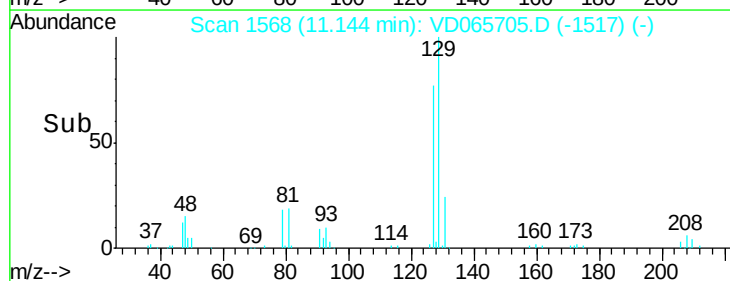
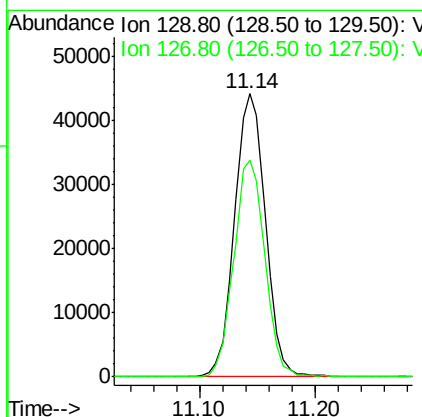
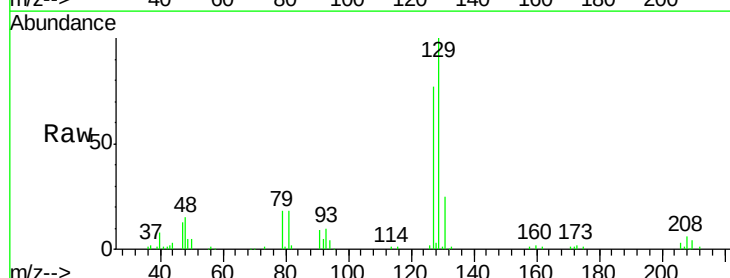
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

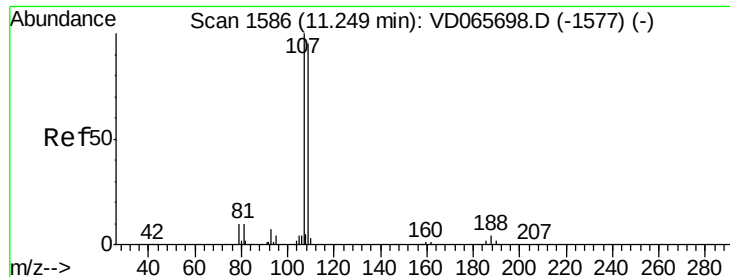
Tot Ion: 43 Resp: 182319
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.0



#60
Dibromochloromethane
Concen: 19.878 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 129 Resp: 81617
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6

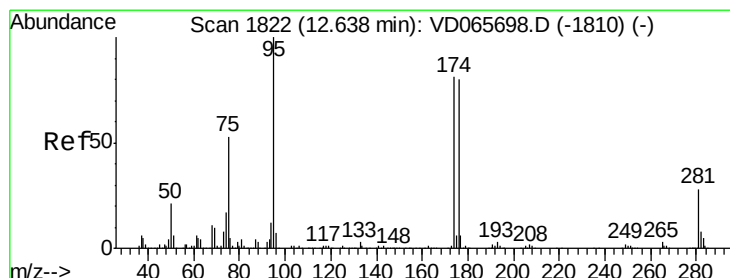
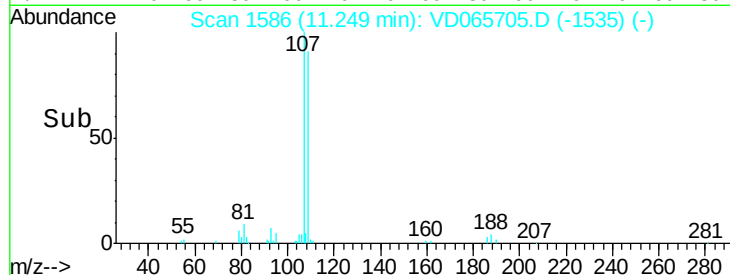
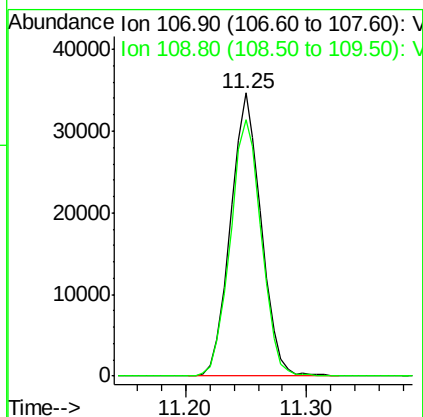
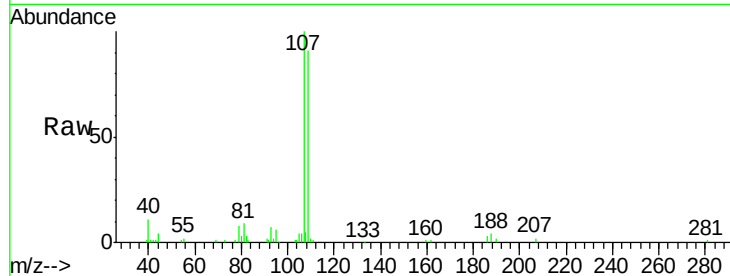




#61
 1,2-Dibromoethane
 Concen: 19.812 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

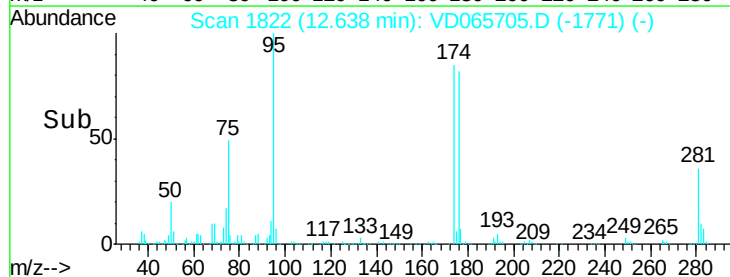
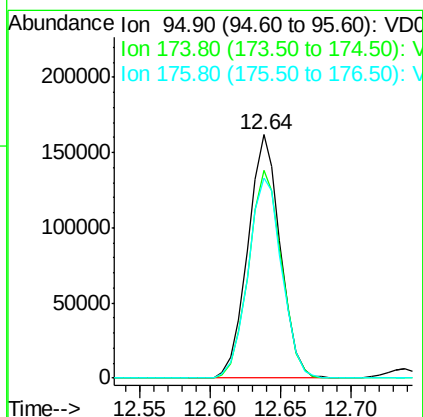
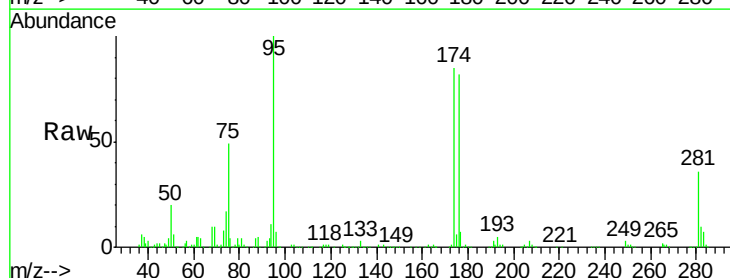
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

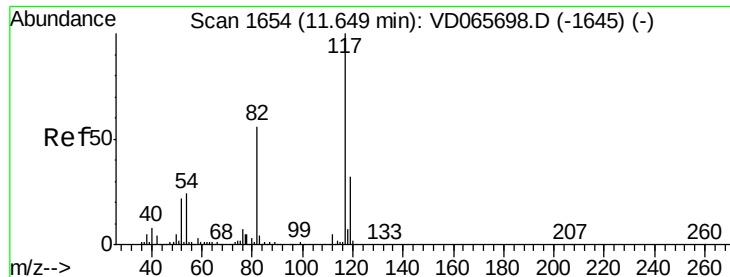
Tot Ion: 107 Resp: 60928
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 47.555 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion: 95 Resp: 260743
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 162.6
 176 85.2 0.0 159.0

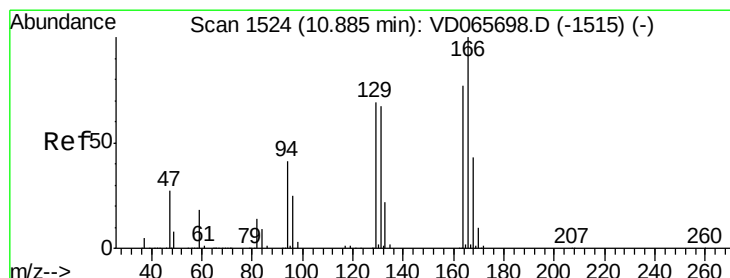
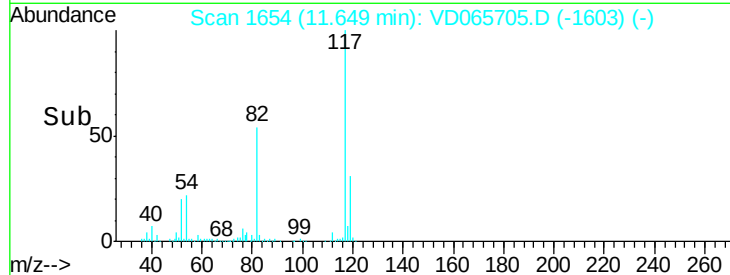
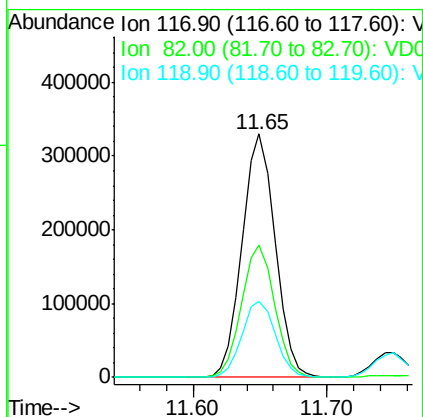
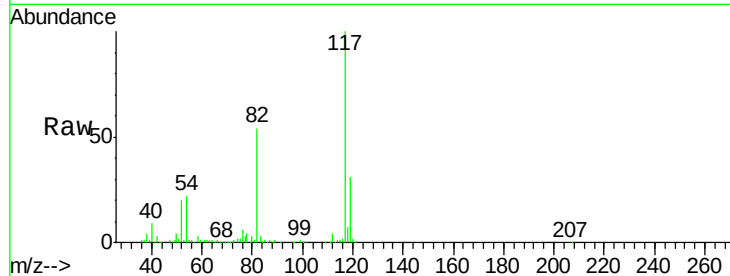




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

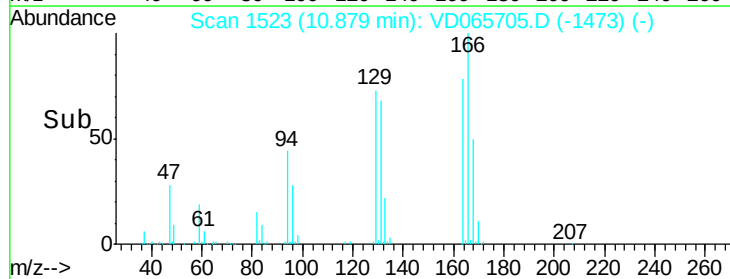
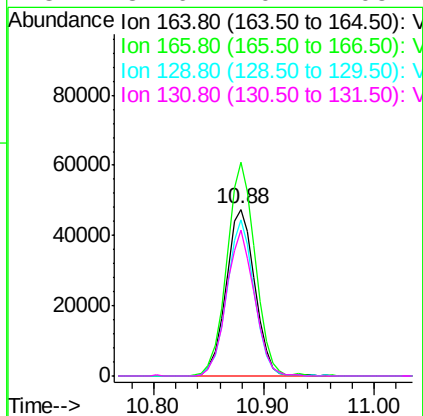
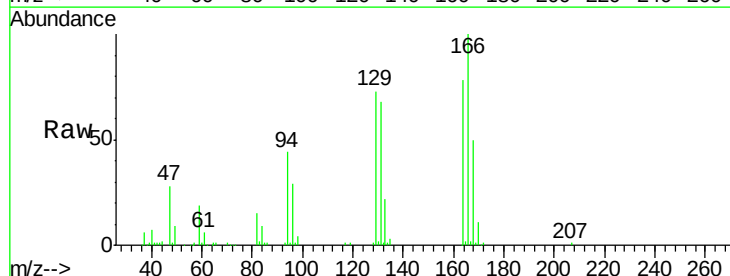
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

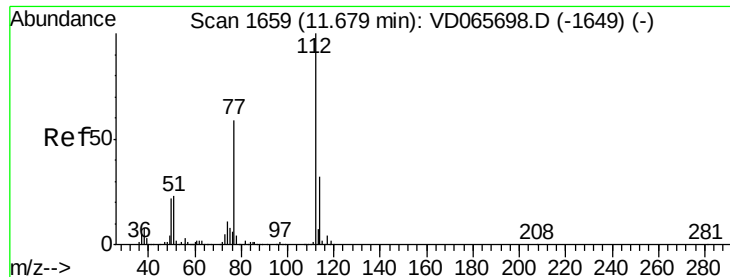
Tot Ion:117 Resp: 564910
Ion Ratio Lower Upper
117 100
82 54.1 44.9 67.3
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 21.525 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion:164 Resp: 86537
Ion Ratio Lower Upper
164 100
166 128.1 104.3 156.5
129 93.6 71.9 107.9
131 87.6 70.2 105.2





#65

Chlorobenzene

Concen: 20.724 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

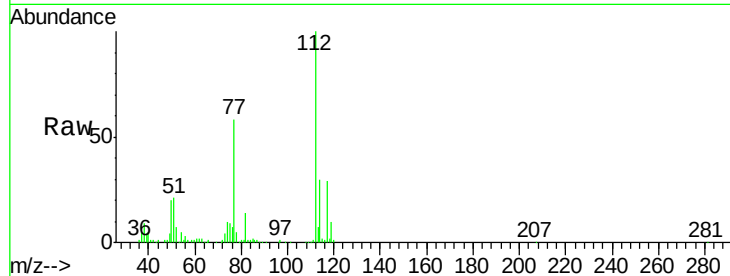
VD0507SBS01

Tot Ion:112 Resp: 235867

Ion Ratio Lower Upper

112 100

114 30.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

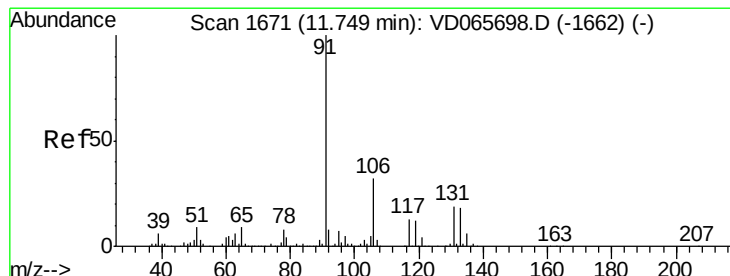
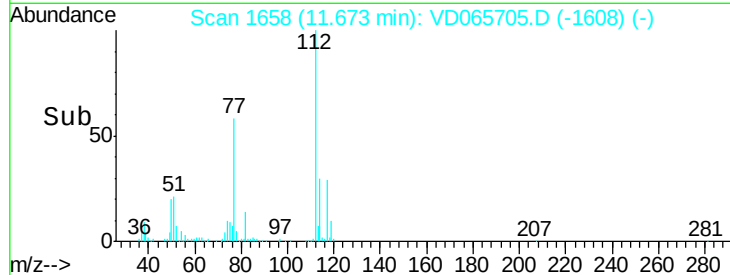
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.027 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

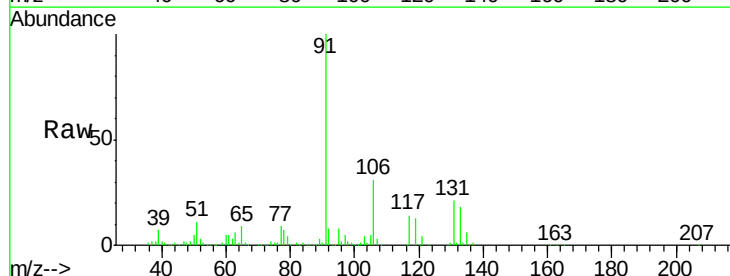
Tgt Ion:131 Resp: 89232

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

119 64.7 31.8 95.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

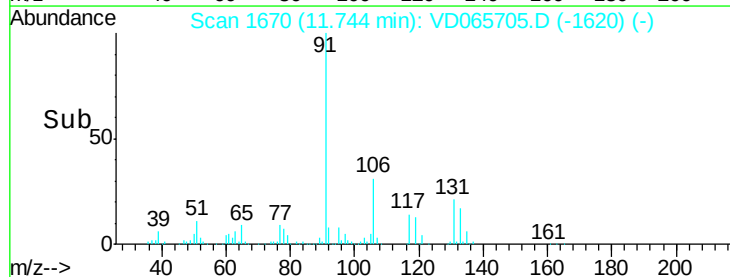
11.74

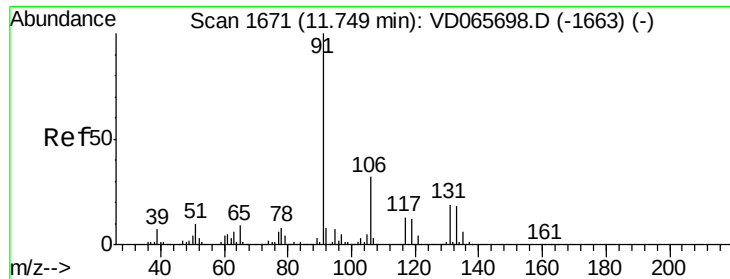
100000

50000

0

Time-->

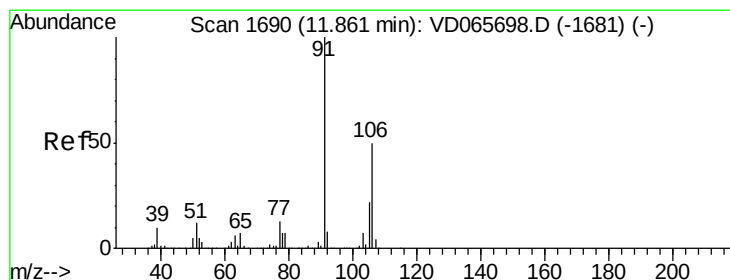
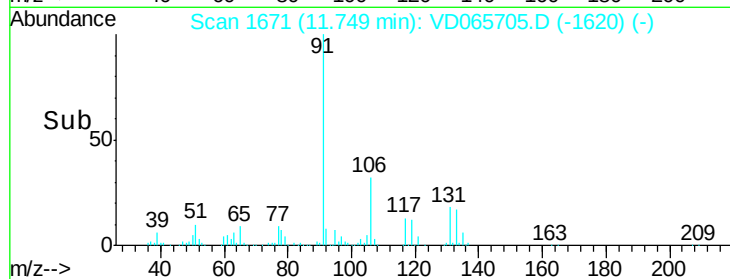
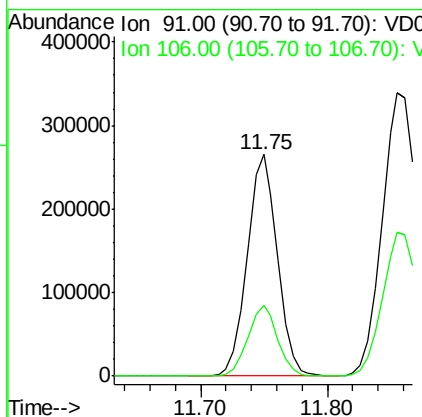
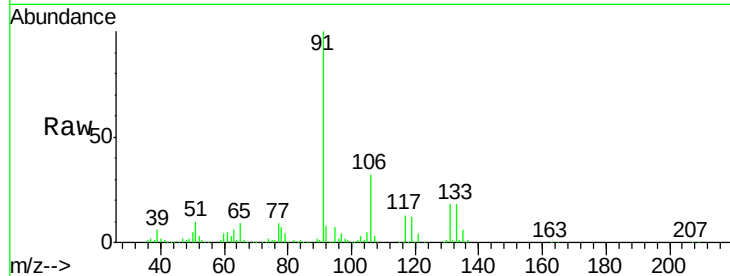




#67
Ethyl Benzene
Concen: 20.615 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

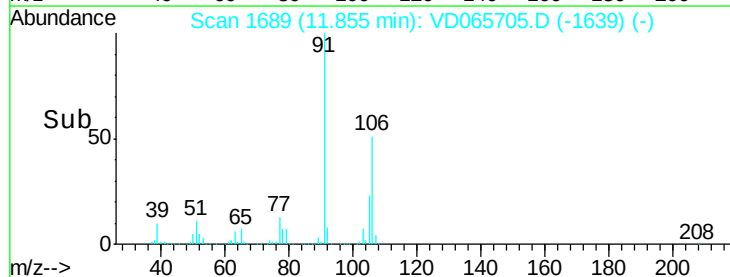
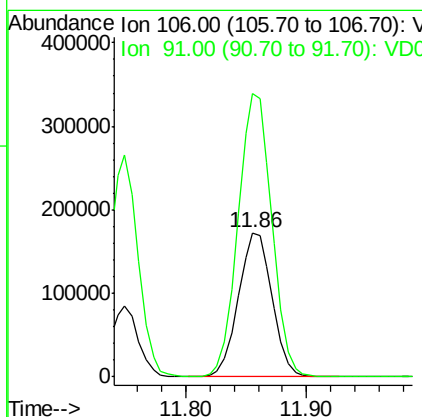
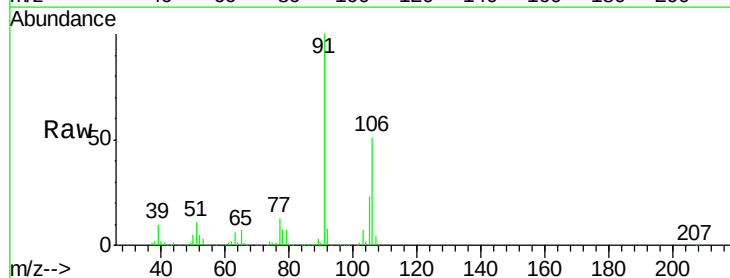
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

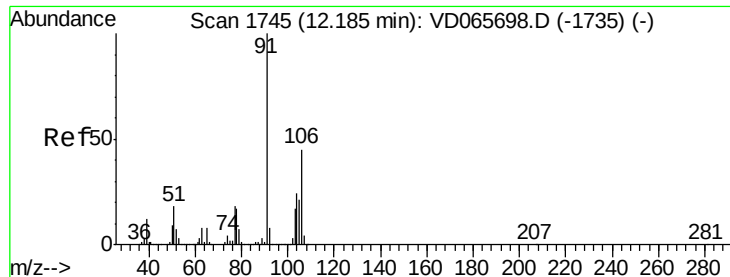
Tot Ion: 91 Resp: 437716
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8



#68
m/p-Xylenes
Concen: 42.206 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 106 Resp: 334082
Ion Ratio Lower Upper
106 100
91 197.1 163.1 244.7

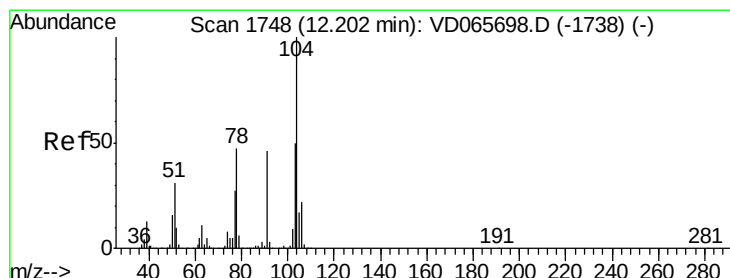
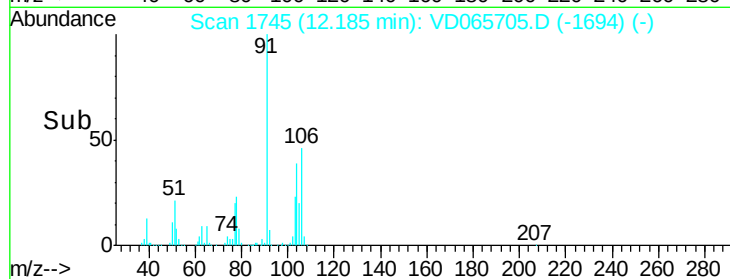
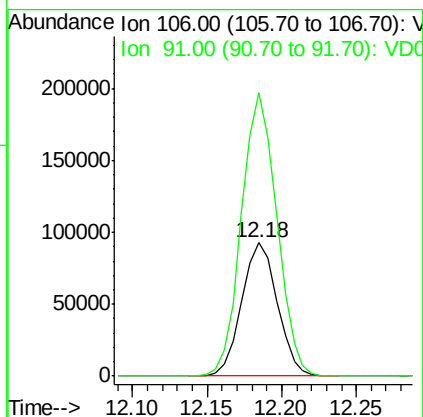
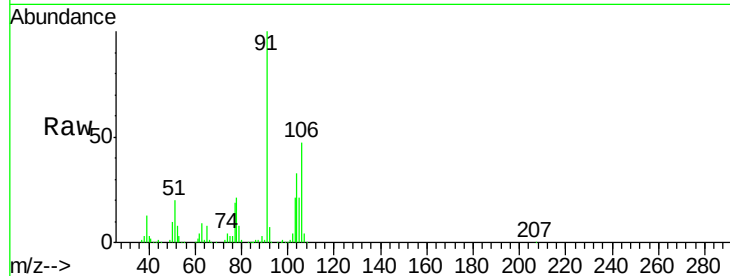




#69
o-Xylene
Concen: 20.759 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

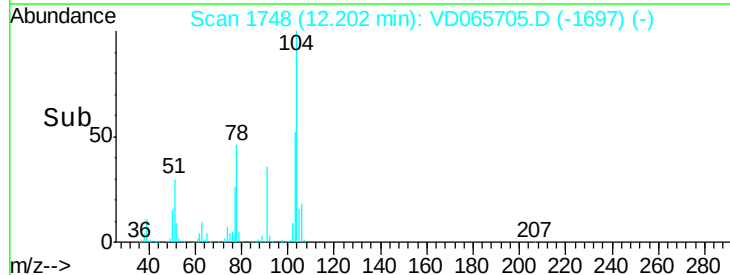
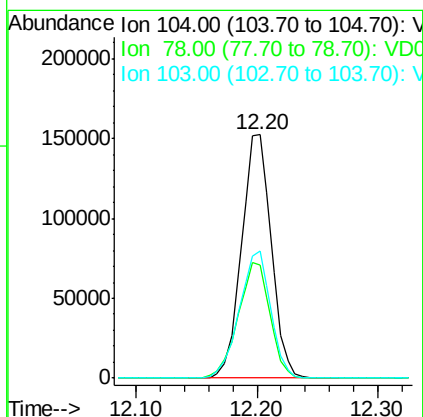
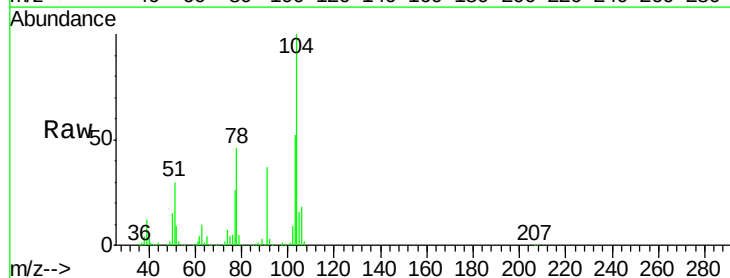
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

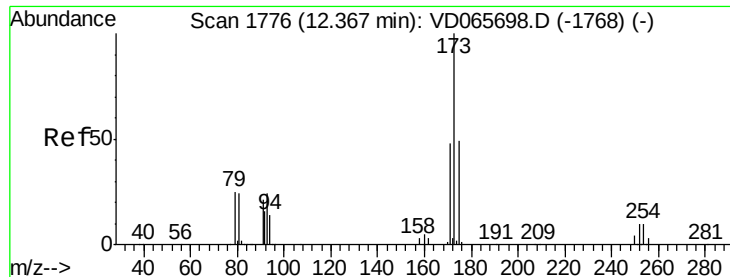
Tot Ion:106 Resp: 153331
Ion Ratio Lower Upper
106 100
91 211.2 107.9 323.7



#70
Styrene
Concen: 20.680 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion:104 Resp: 262620
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 54.8 43.8 65.6

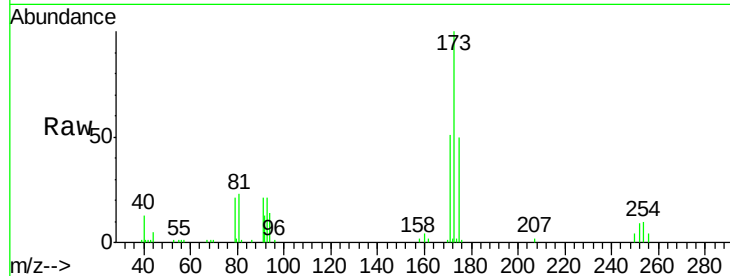




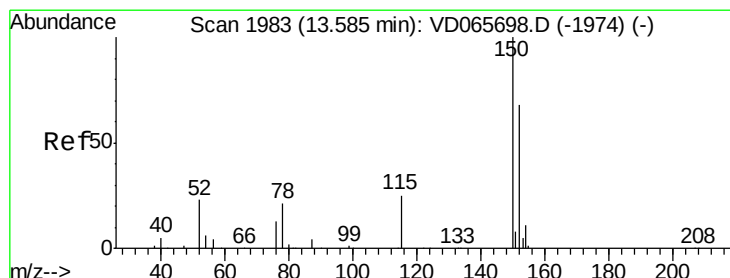
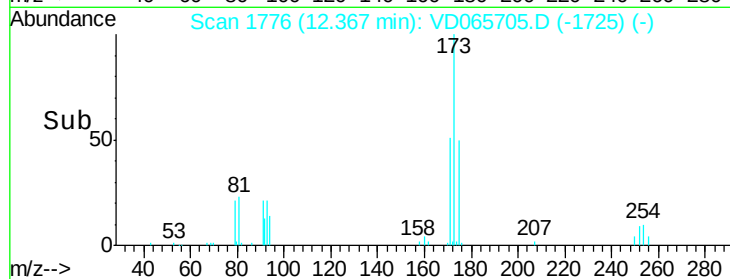
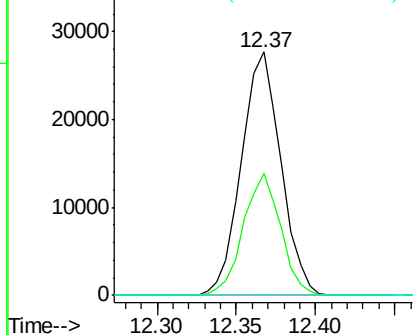
#71
Bromoform
Concen: 20.057 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:173 Resp: 47891
Ion Ratio Lower Upper
173 100
175 47.4 24.5 73.5
254 0.0 0.0 0.0

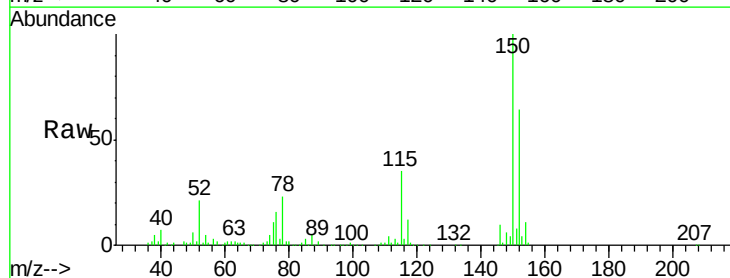


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

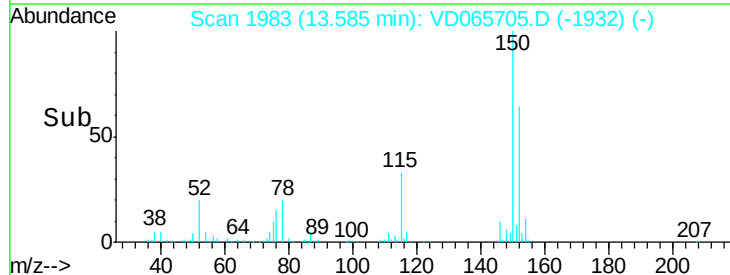
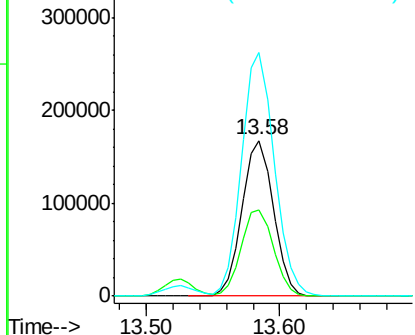


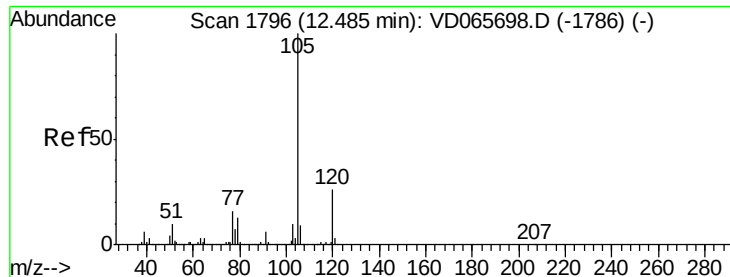
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion:152 Resp: 272995
Ion Ratio Lower Upper
152 100
115 56.9 29.5 88.5
150 163.4 0.0 346.8



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: 20.251 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

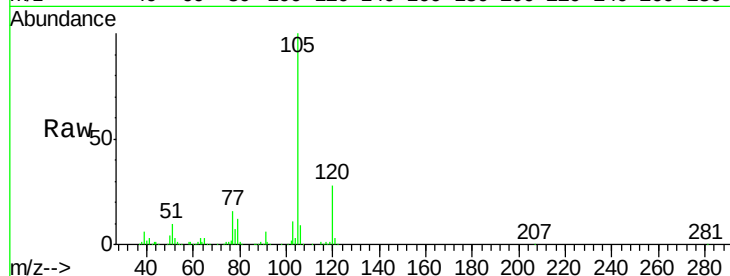
VD0507SBS01

Tot Ion:105 Resp: 418883

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

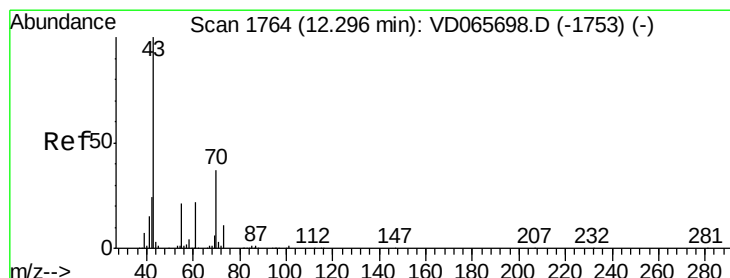
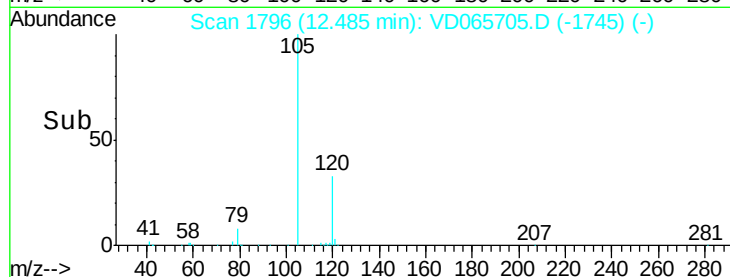
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.592 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Tgt Ion: 43 Resp: 103879

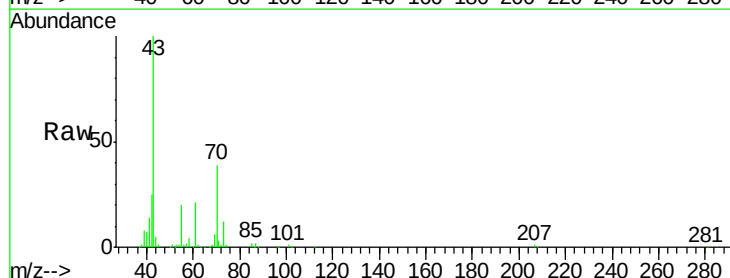
Ion Ratio Lower Upper

43 100

70 39.3 29.3 43.9

55 22.0 16.4 24.6

61 22.2 18.0 27.0



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

100000

80000

60000

40000

20000

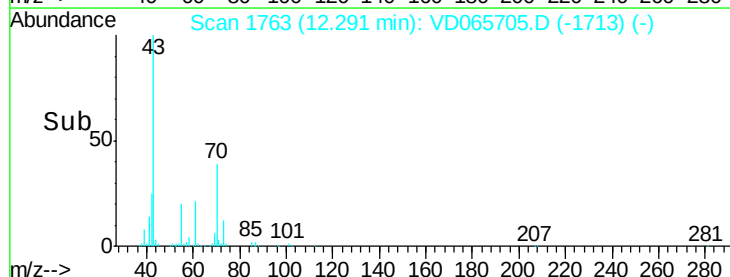
0

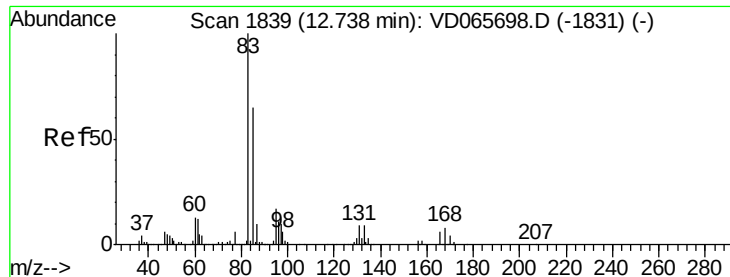
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.692 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

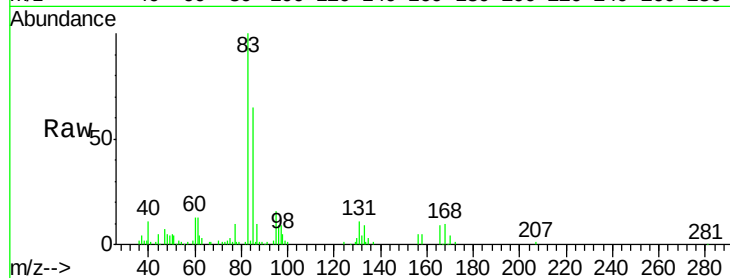
Tot Ion: 83 Resp: 64835

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

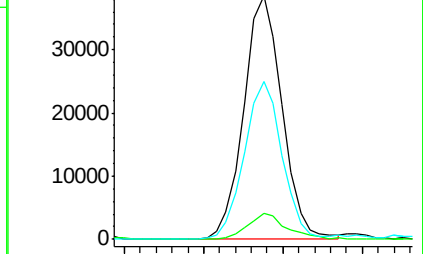
85 64.2 31.9 95.9



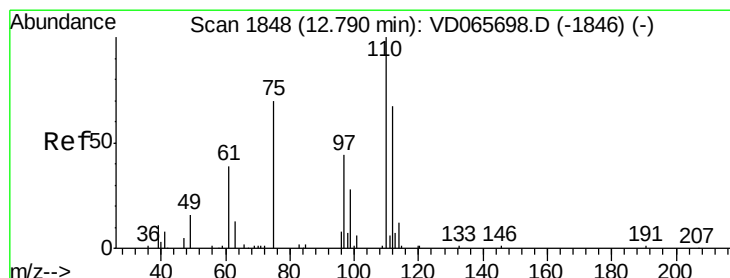
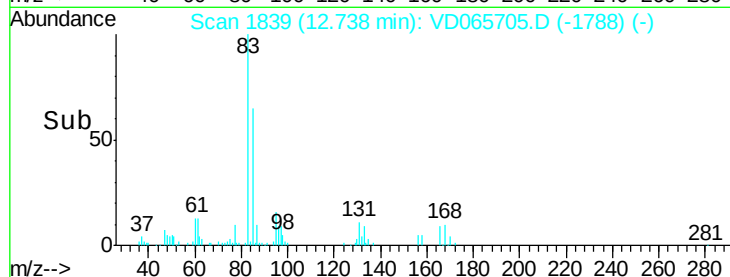
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 18.156 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065705.D

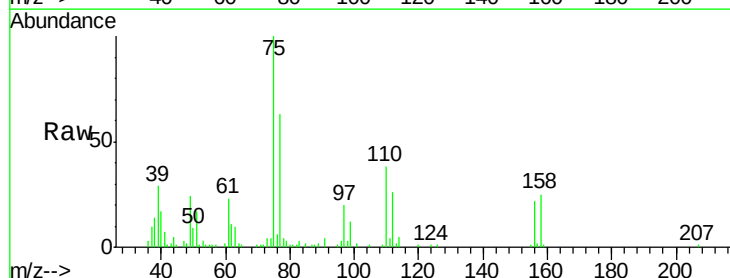
Acq: 07 May 2020 11:34

Tgt Ion: 75 Resp: 41862

Ion Ratio Lower Upper

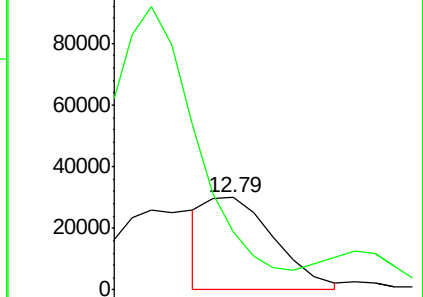
75 100

77 0.0 0.0 0.0

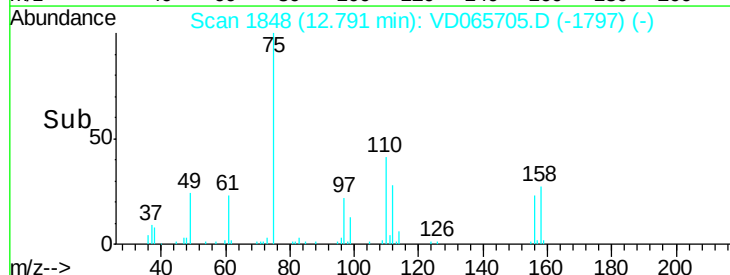


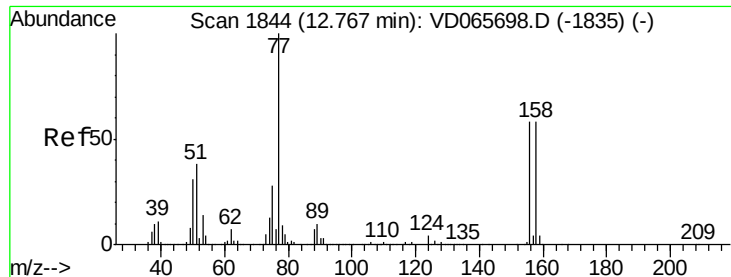
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.76 12.78 12.80 12.82





#77

Bromobenzene

Concen: 20.857 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

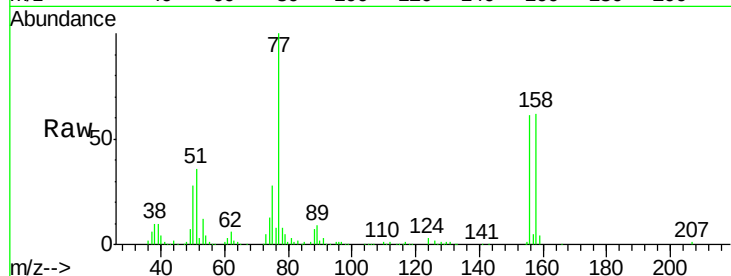
Tot Ion:156 Resp: 98929

Ion Ratio Lower Upper

156 100

77 174.6 92.9 278.7

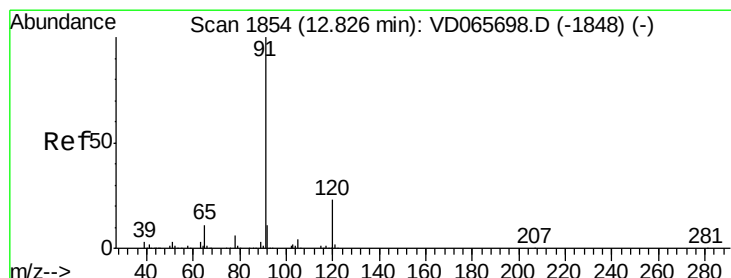
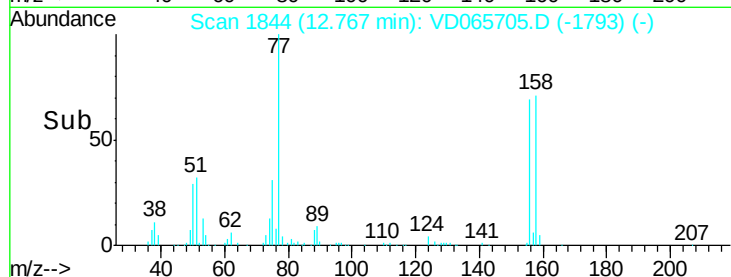
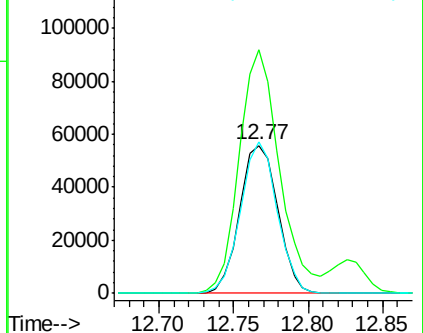
158 98.2 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.584 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065705.D

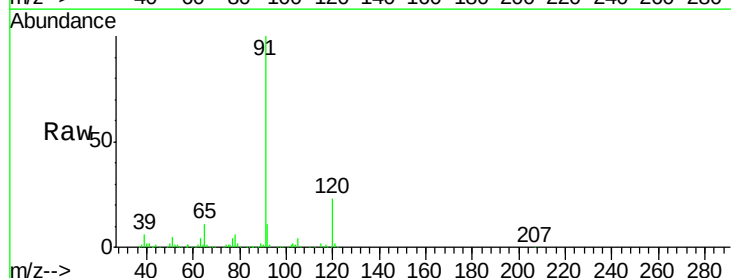
Acq: 07 May 2020 11:34

Tgt Ion: 91 Resp: 501335

Ion Ratio Lower Upper

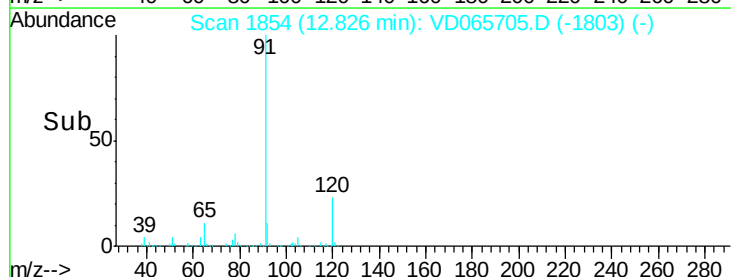
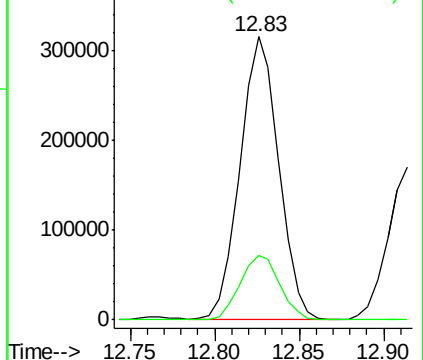
91 100

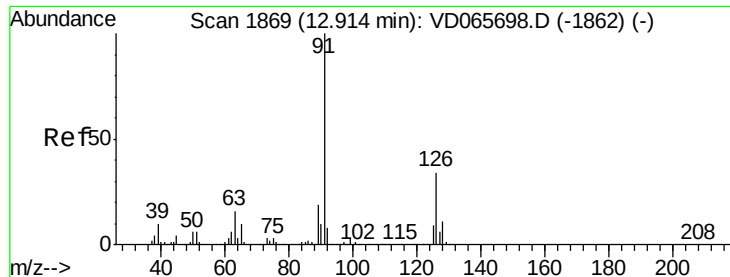
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.880 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

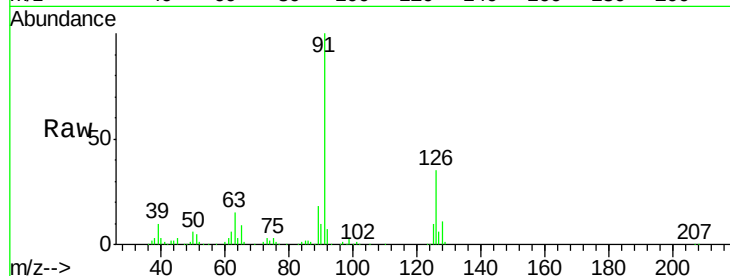
VD0507SBS01

Tot Ion: 91 Resp: 27352

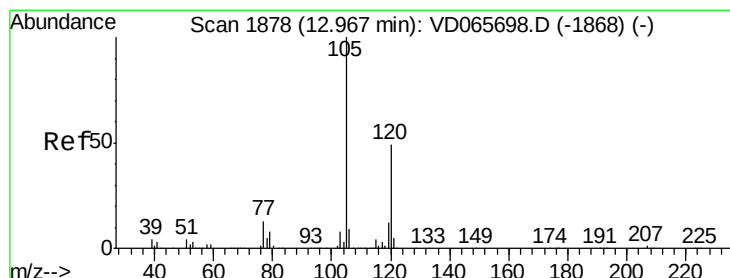
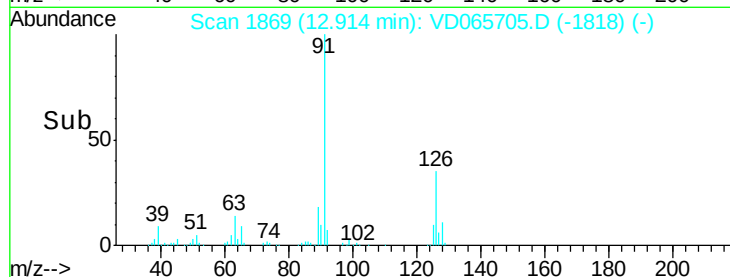
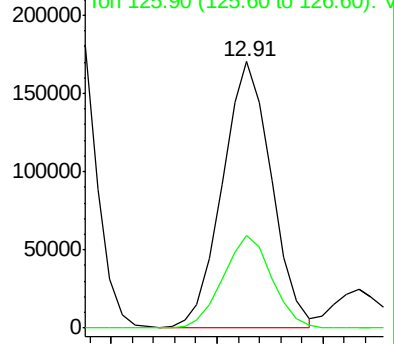
Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.491 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065705.D

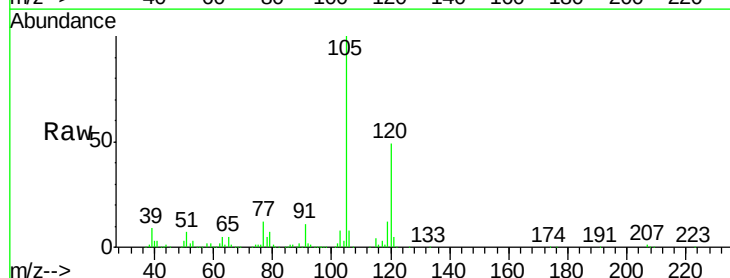
Acq: 07 May 2020 11:34

Tgt Ion:105 Resp: 347981

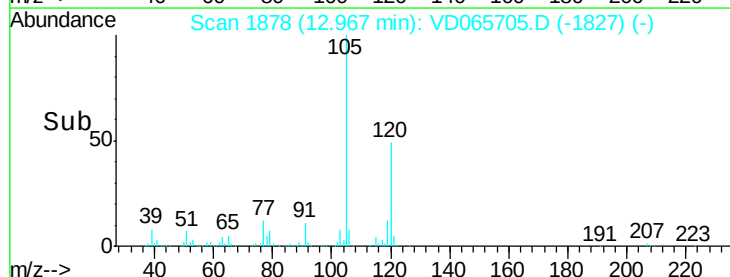
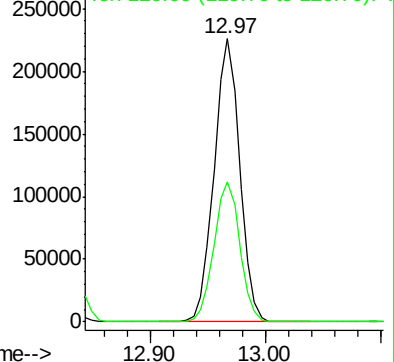
Ion Ratio Lower Upper

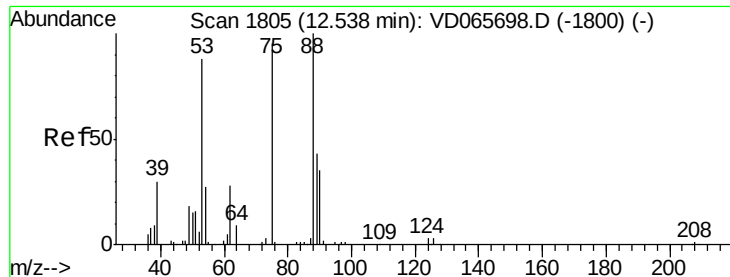
105 100

120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.778 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

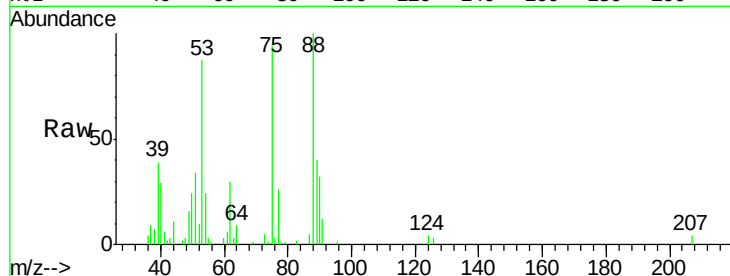
Tot Ion: 75 Resp: 24459

Ion Ratio Lower Upper

75 100

53 92.3 75.8 113.8

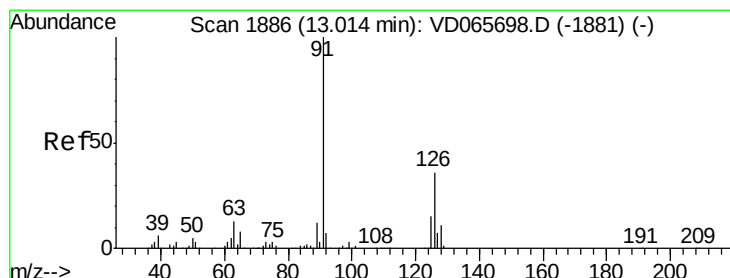
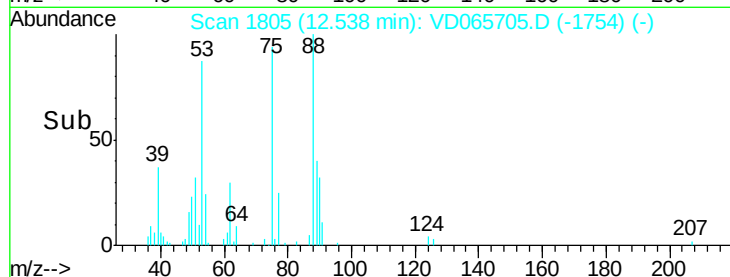
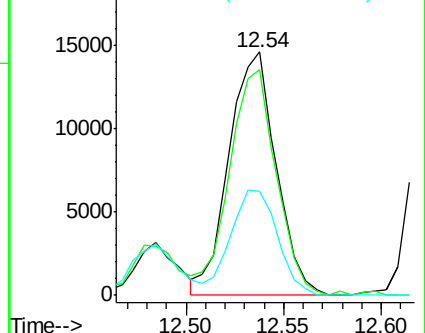
89 43.0 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.630 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065705.D

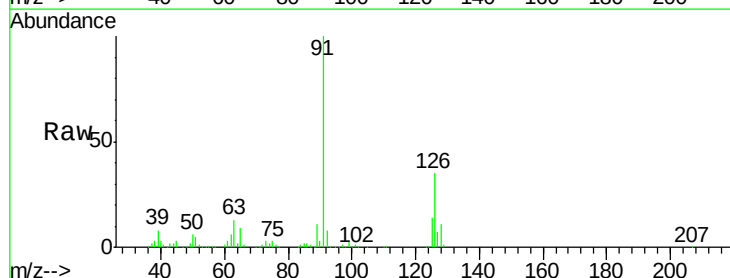
Acq: 07 May 2020 11:34

Tgt Ion: 91 Resp: 282661

Ion Ratio Lower Upper

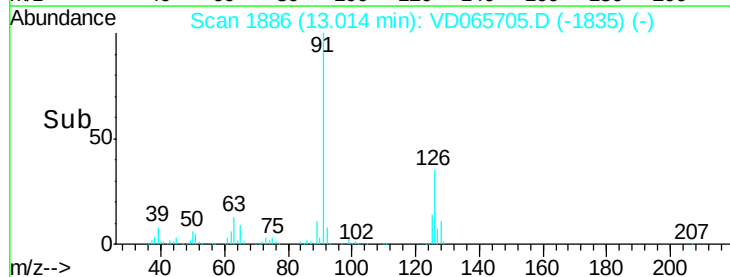
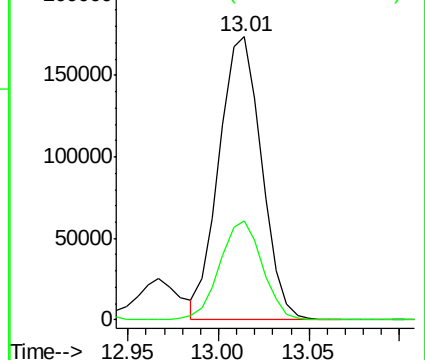
91 100

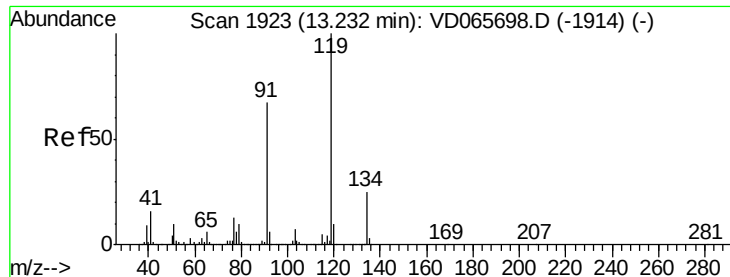
126 35.2 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

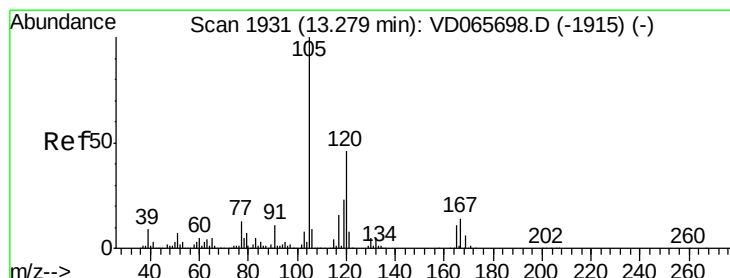
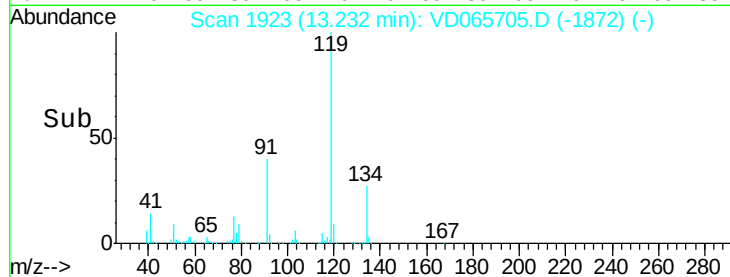
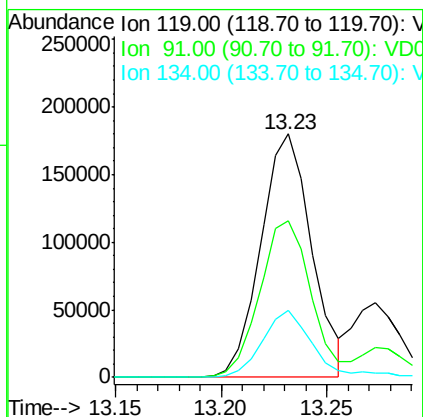
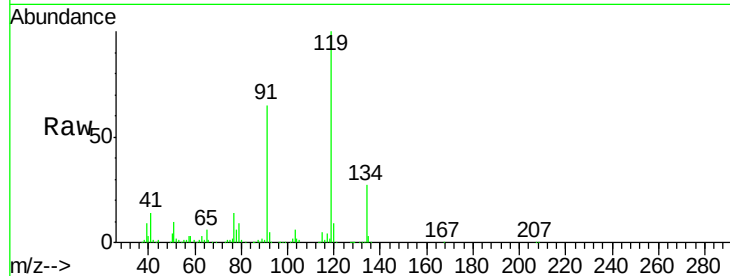




#83
tert-Butylbenzene
Concen: 20.835 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

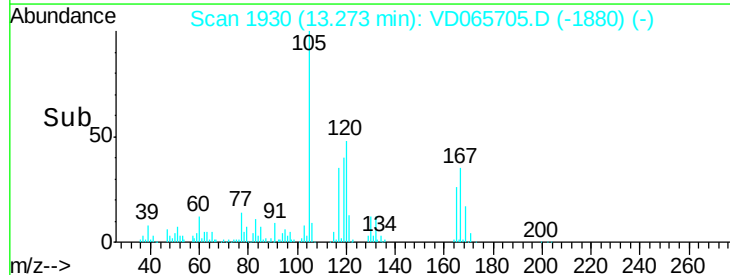
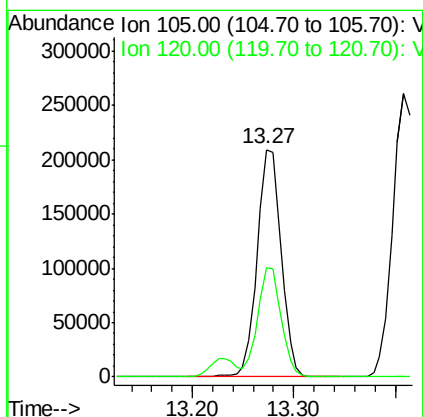
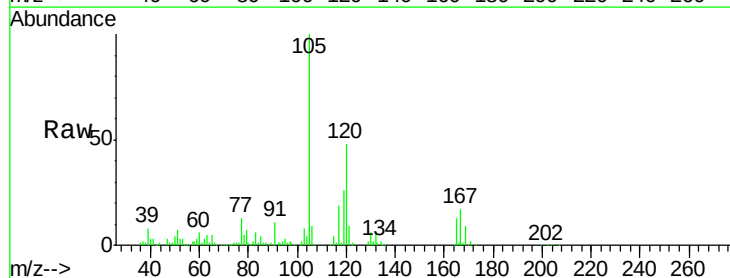
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

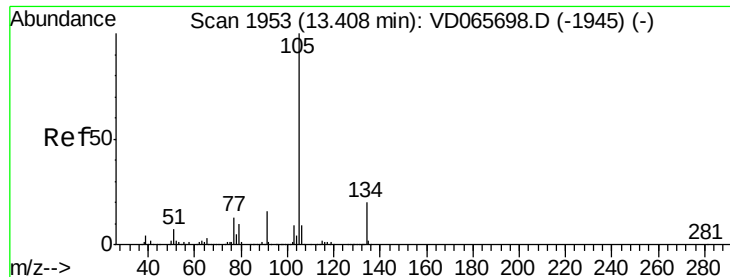
Tot Ion:119 Resp: 301164
Ion Ratio Lower Upper
119 100
91 65.7 33.6 100.8
134 27.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.338 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion:105 Resp: 344038
Ion Ratio Lower Upper
105 100
120 46.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.753 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

Instrument :

MSVOA_D

ClientSampleId :

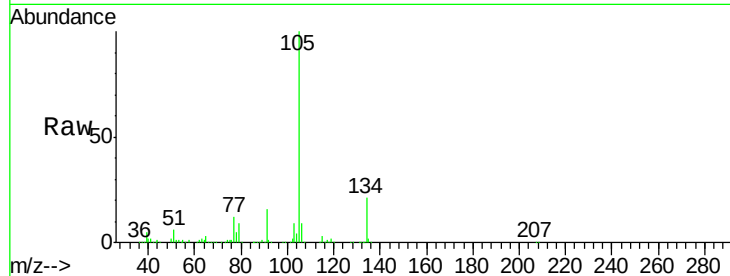
VD0507SBS01

Tot Ion:105 Resp: 420788

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

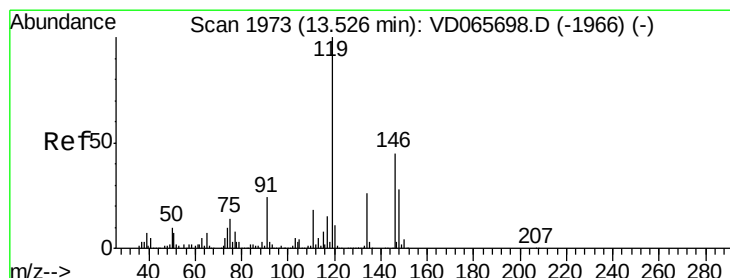
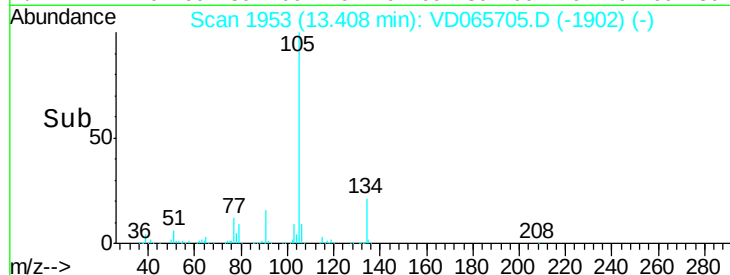
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 20.706 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065705.D

Acq: 07 May 2020 11:34

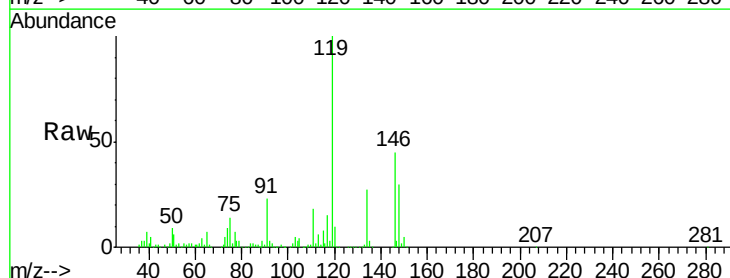
Tgt Ion:119 Resp: 382585

Ion Ratio Lower Upper

119 100

134 27.5 13.2 39.6

91 23.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

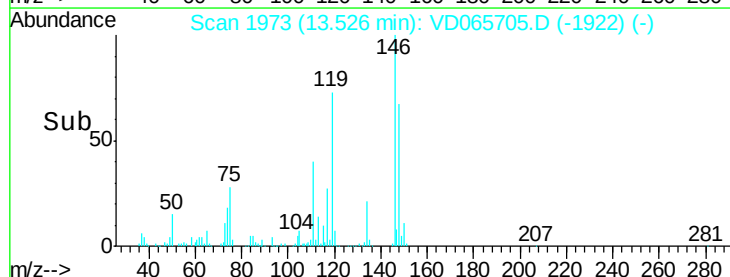
300000

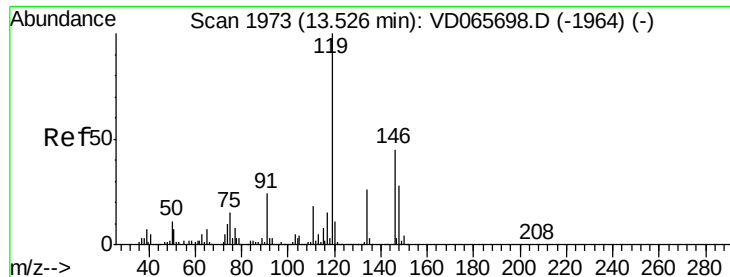
200000

100000

0

Time--> 13.45 13.50 13.55

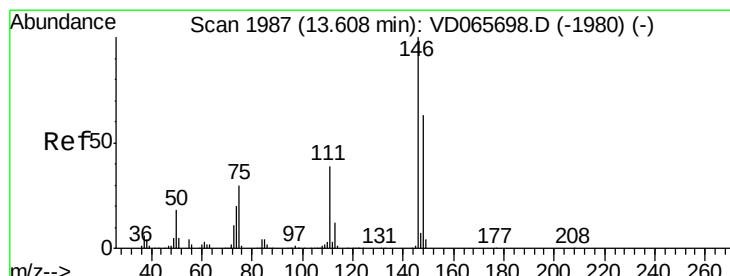
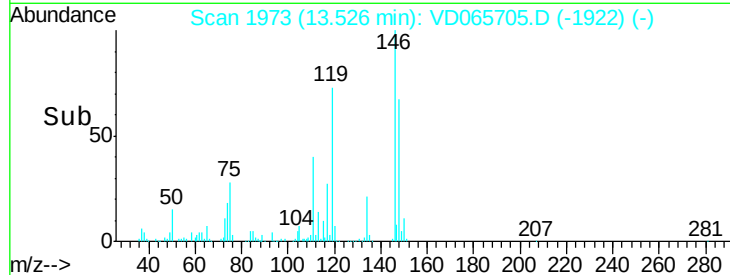
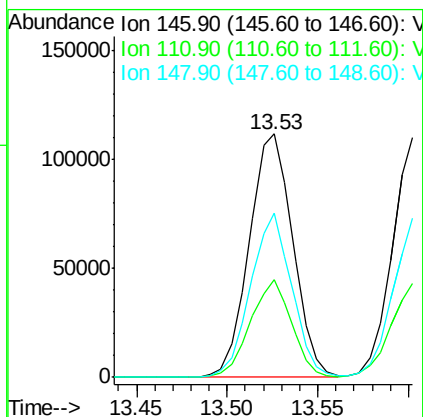
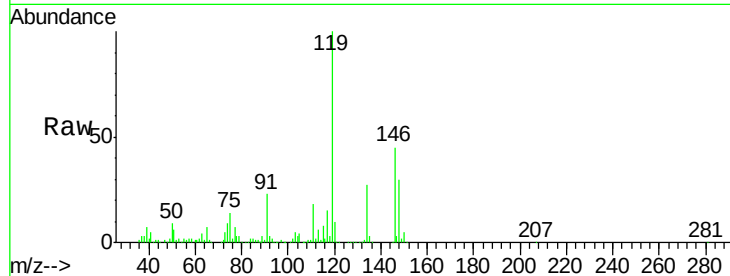




#87
 1,3-Dichlorobenzene
 Concen: 20.888 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

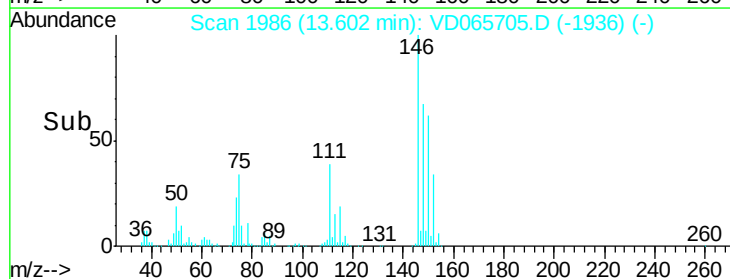
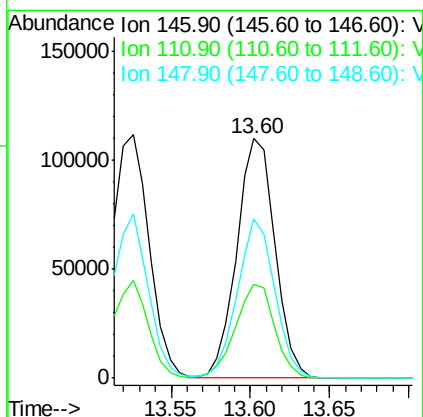
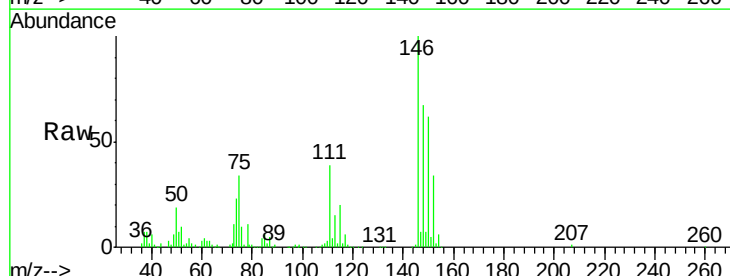
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

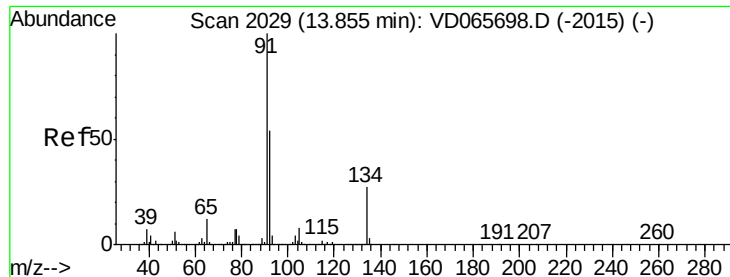
Tot Ion:146 Resp: 186213
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.8
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.861 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion:146 Resp: 183483
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.7
 148 65.0 31.9 95.5

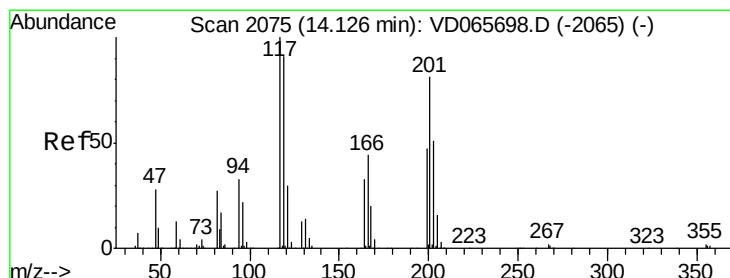
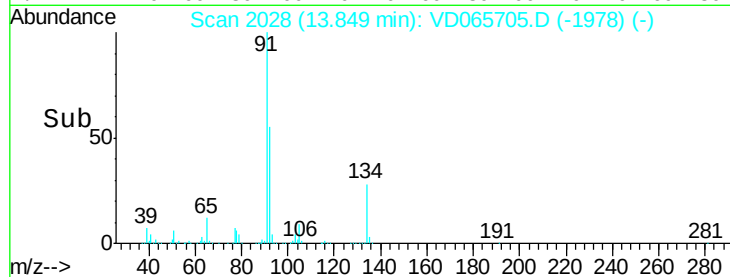
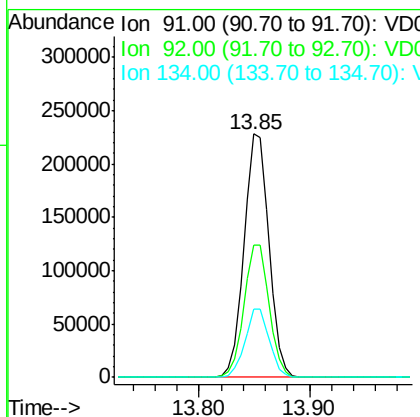
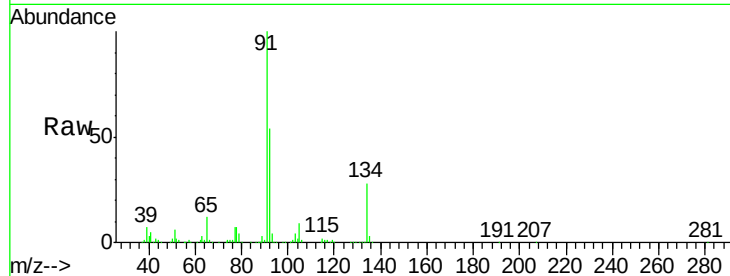




#89
n-Butylbenzene
Concen: 20.173 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

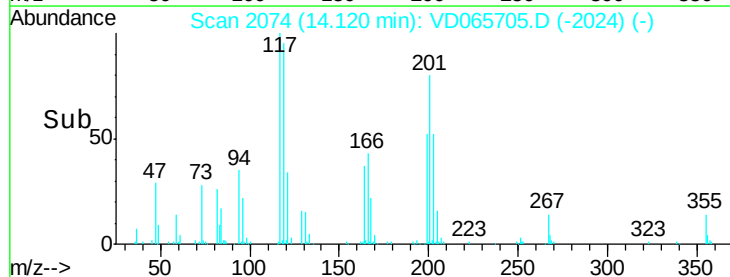
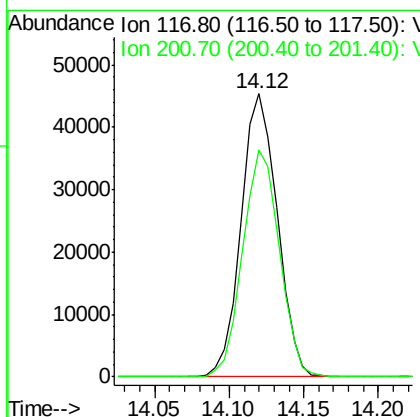
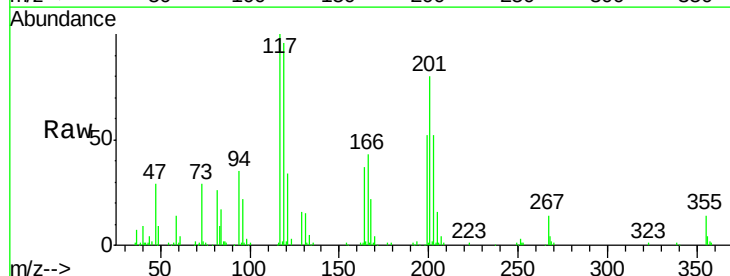
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

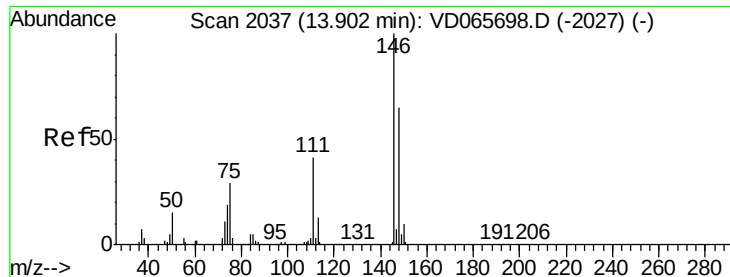
Tot Ion: 91 Resp: 361138
Ion Ratio Lower Upper
91 100
92 54.9 27.4 82.0
134 27.3 13.3 39.8



#90
Hexachloroethane
Concen: 20.652 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion: 117 Resp: 76001
Ion Ratio Lower Upper
117 100
201 81.2 39.1 117.2

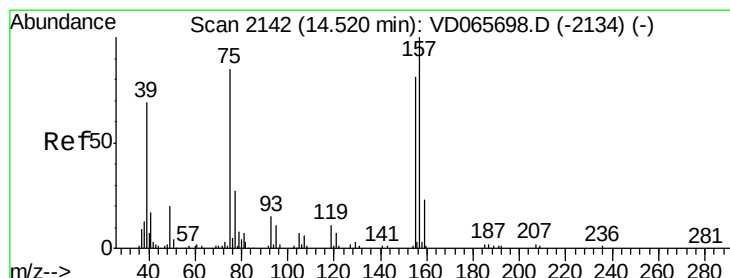
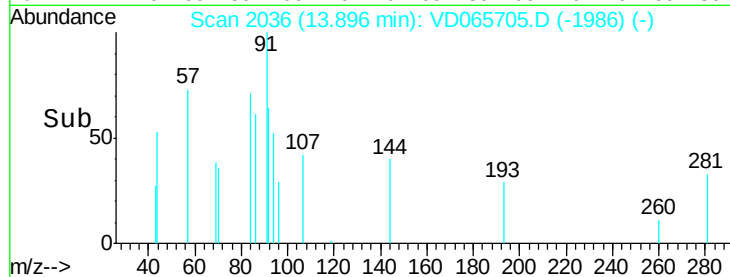
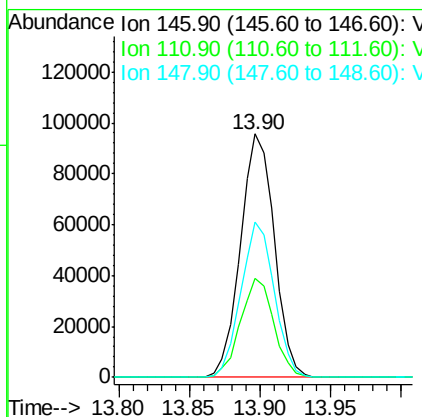
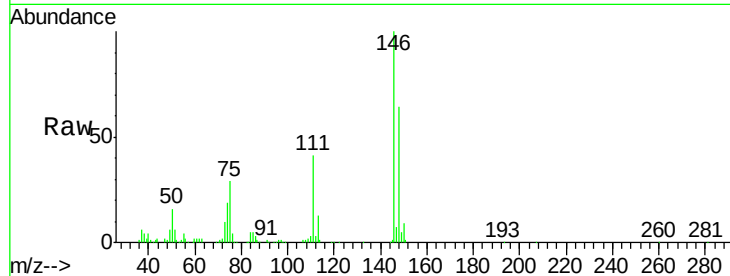




#91
 1,2-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

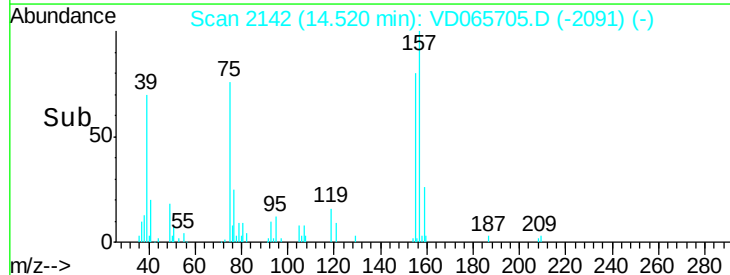
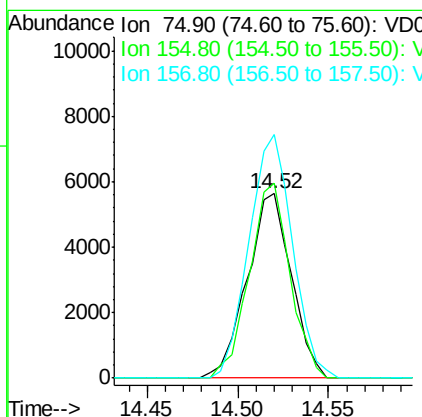
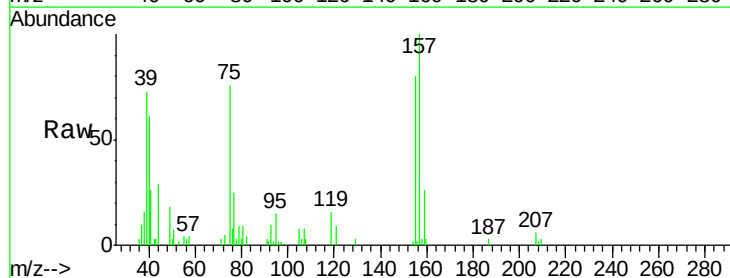
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

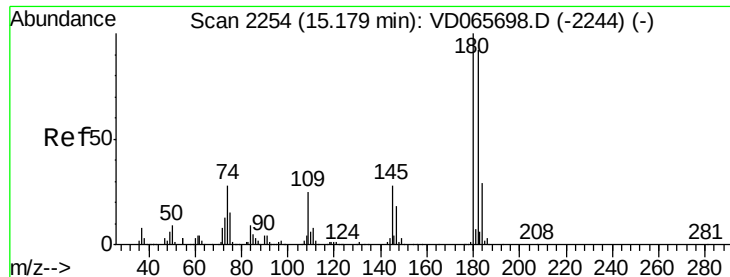
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	61.0
148	62.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.375 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	43.5	130.5
157	129.9	54.5	163.6

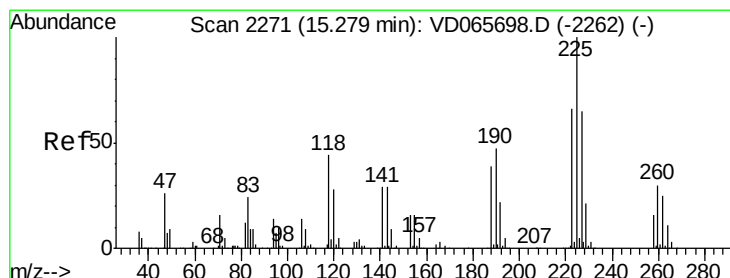
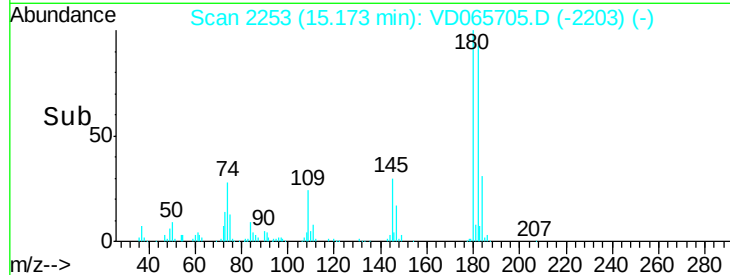
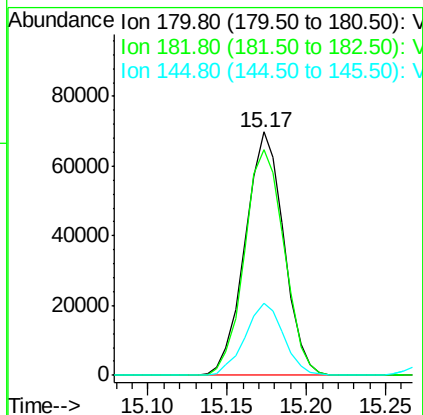
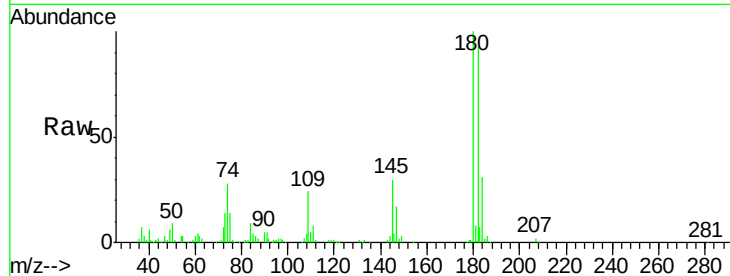




#93
 1,2,4-Trichlorobenzene
 Concen: 20.538 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

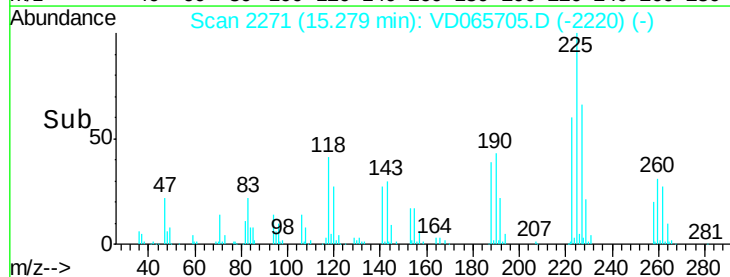
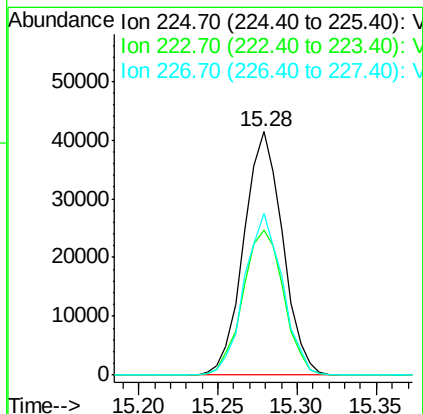
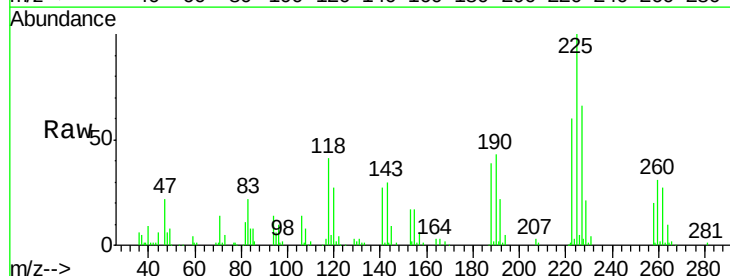
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

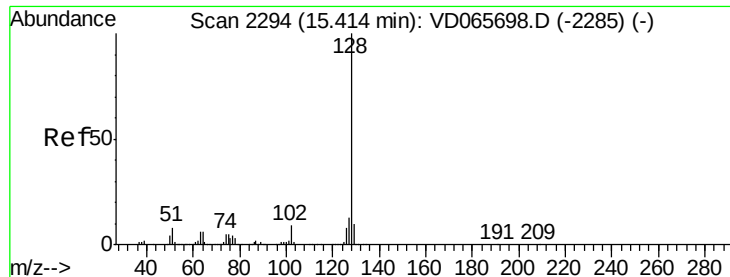
Tot Ion:180 Resp: 118536
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.0 141.0
 145 29.5 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 21.143 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065705.D
 Acq: 07 May 2020 11:34

Tgt Ion:225 Resp: 70719
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.8 95.3
 227 65.1 31.6 94.8

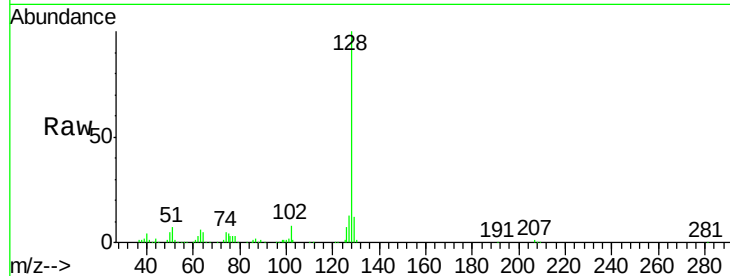




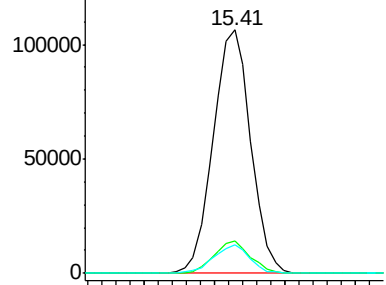
#95
Naphthalene
Concen: 19.509 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

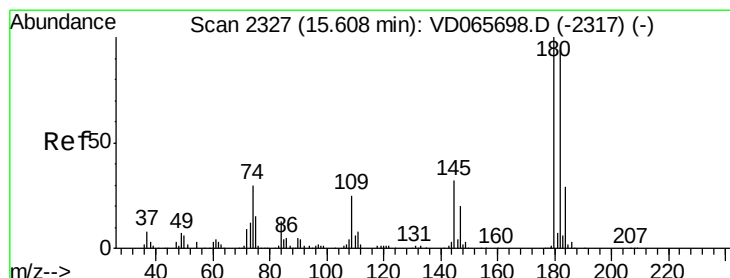
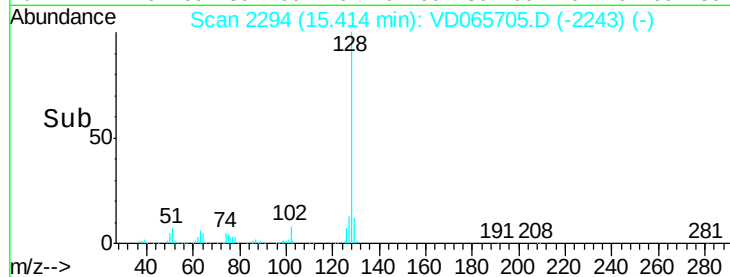
Tot Ion:128 Resp: 197932
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.2 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

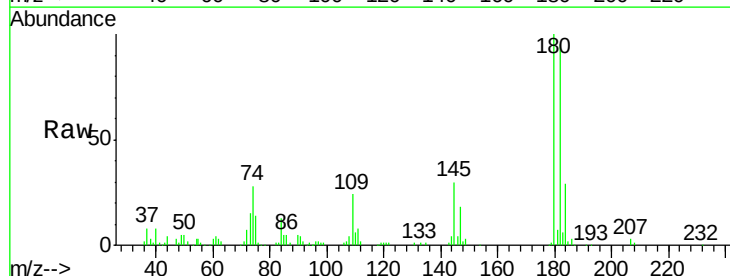


Time-->

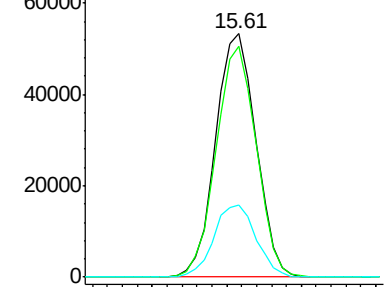


#96
1,2,3-Trichlorobenzene
Concen: 20.326 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065705.D
Acq: 07 May 2020 11:34

Tgt Ion:180 Resp: 99792
Ion Ratio Lower Upper
180 100
182 94.1 46.9 140.6
145 31.0 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

