

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050720\
 Data File : VD065707.D
 Acq On : 07 May 2020 12:29
 Operator : VA/SY
 Sample : L2182-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Quant Time: May 08 08:21:31 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	426435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	565786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192108	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	7.92	113	189721	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.34	98	734441	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.64	95	250665	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	9283	2.775	ug/l	89
3) Chloromethane	2.21	50	13392	3.175	ug/l	94
4) Vinyl Chloride	2.35	62	12645	2.959	ug/l	96
5) Bromomethane	2.77	94	9949	3.688	ug/l	83
6) Chloroethane	2.92	64	7812	2.845	ug/l	94
7) Trichlorofluoromethane	3.27	101	18234	2.674	ug/l	92
8) Diethyl Ether	3.71	74	5670	2.655	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11738	2.836	ug/l	94
10) Methyl Iodide	4.30	142	10405	2.563	ug/l	95
11) Tert butyl alcohol	5.20	59	10825m	28.441	ug/l	
12) 1,1-Dichloroethene	4.07	96	11512	2.830	ug/l	97
13) Acrolein	3.93	56	5382	15.334	ug/l #	82
14) Allyl chloride	4.71	41	20257	2.498	ug/l	97
15) Acrylonitrile	5.43	53	13385	13.329	ug/l	93
16) Acetone	4.16	43	12507	13.714	ug/l	99
17) Carbon Disulfide	4.41	76	35380	2.645	ug/l	99
18) Methyl Acetate	4.73	43	5840	2.576	ug/l #	81
19) Methyl tert-butyl Ether	5.47	73	26171	2.654	ug/l	99
20) Methylene Chloride	4.97	84	16691	3.633	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	14054m	3.018	ug/l	
22) Diisopropyl ether	6.37	45	36294	2.407	ug/l	95
23) Vinyl Acetate	6.31	43	105001	11.529	ug/l	97
24) 1,1-Dichloroethane	6.27	63	21531	2.607	ug/l	95
25) 2-Butanone	7.21	43	18524	13.694	ug/l	98
26) 2,2-Dichloropropane	7.21	77	20319	2.732	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	14080	2.787	ug/l	97
28) Bromochloromethane	7.55	49	7209	2.092	ug/l #	94
29) Tetrahydrofuran	7.57	42	12610	14.463	ug/l	94
30) Chloroform	7.71	83	20567	2.587	ug/l	92
31) Cyclohexane	7.98	56	30451	3.563	ug/l #	66
32) 1,1,1-Trichloroethane	7.90	97	18758	2.546	ug/l	100
36) 1,1-Dichloropropene	8.11	75	17197	2.699	ug/l	97
37) Ethyl Acetate	7.30	43	7950	2.592	ug/l #	91
38) Carbon Tetrachloride	8.10	117	17558	2.780	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22993	2.875	ug/l	90
40) Benzene	8.36	78	47232	2.715	ug/l #	90
41) Methacrylonitrile	7.53	41	4013	2.268	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	13865	2.769	ug/l	93
43) Isopropyl Acetate	8.46	43	15392	2.509	ug/l	99
44) Trichloroethene	9.11	130	13200	2.753	ug/l	86
45) 1,2-Dichloropropane	9.39	63	11414	2.537	ug/l	100
46) Dibromomethane	9.48	93	6041	2.677	ug/l	98
47) Bromodichloromethane	9.67	83	15736	2.607	ug/l	100
48) Methyl methacrylate	9.46	41	8326	2.711	ug/l	96
49) 1,4-Dioxane	9.46	88	1874	67.735	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	39764	13.450	ug/l	96
52) Toluene	10.41	92	30485	2.771	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	15760	2.578	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	18953	2.632	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	8370	2.751	ug/l #	89
56) Ethyl methacrylate	10.67	69	11617	2.644	ug/l	94
57) 1,3-Dichloropropane	10.95	76	14909	2.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	26981	13.377	ug/l	96
59) 2-Hexanone	10.98	43	25244	12.414	ug/l	95
60) Dibromochloromethane	11.14	129	11031	2.699	ug/l	95
61) 1,2-Dibromoethane	11.25	107	8630	2.819	ug/l	99
64) Tetrachloroethene	10.88	164	11854	2.944	ug/l	91
65) Chlorobenzene	11.67	112	31787	2.789	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	11339	2.668	ug/l	91
67) Ethyl Benzene	11.75	91	57447	2.701	ug/l	96
68) m/p-Xylenes	11.86	106	43824	5.528	ug/l	96
69) o-Xylene	12.18	106	20648	2.791	ug/l	98
70) Styrene	12.20	104	34196	2.689	ug/l	97
71) Bromoform	12.37	173	6827	2.855	ug/l #	99
73) Isopropylbenzene	12.48	105	55034	2.673	ug/l	100
74) N-amyl acetate	12.30	43	14843	2.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	10309	2.986	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	6717	2.927	ug/l #	100
77) Bromobenzene	12.77	156	12826	2.717	ug/l	97
78) n-propylbenzene	12.83	91	66960	2.763	ug/l	99
79) 2-Chlorotoluene	12.91	91	36134	2.639	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	45646	2.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	3552m	2.740	ug/l	
82) 4-Chlorotoluene	13.01	91	38904	2.715	ug/l	99
83) tert-Butylbenzene	13.23	119	40493	2.815	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	44029	2.615	ug/l	99
85) sec-Butylbenzene	13.41	105	53760	2.664	ug/l	99
86) p-Isopropyltoluene	13.53	119	50847	2.765	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	25426	2.866	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	25950	2.965	ug/l	91
89) n-Butylbenzene	13.86	91	47281	2.654	ug/l	99
90) Hexachloroethane	14.12	117	10279	2.807	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	21417	2.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1771	3.052	ug/l	95

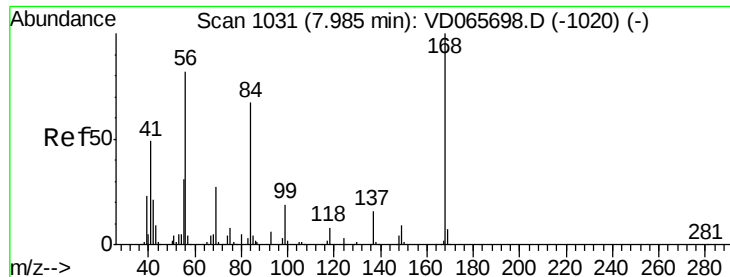
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Quant Title : SW846 8260
QLast Update : Wed May 06 17:01:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	17394	3.028	ug/l	99
94) Hexachlorobutadiene	15.28	225	9579	2.878	ug/l	95
95) Naphthalene	15.41	128	29974	2.969	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	15310	3.133	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: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

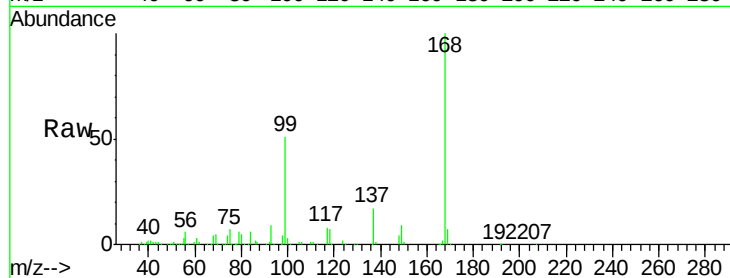
VD0307

Tot Ion:168 Resp: 426435

Ion Ratio Lower Upper

168 100

99 50.8 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

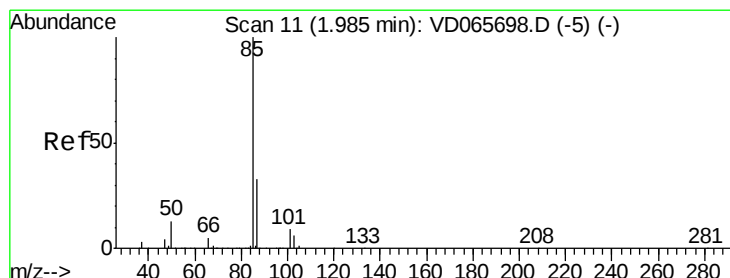
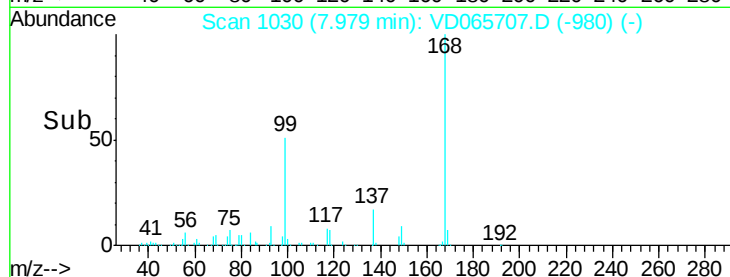
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.775 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065707.D

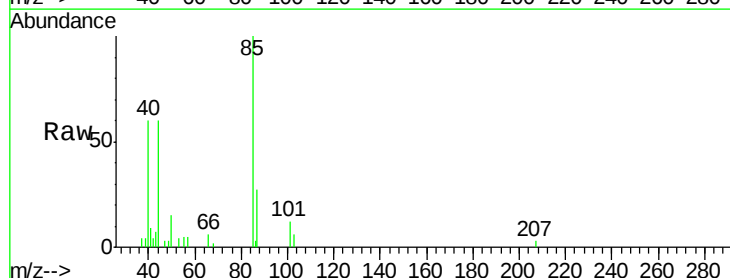
Acq: 07 May 2020 12:29

Tgt Ion: 85 Resp: 9283

Ion Ratio Lower Upper

85 100

87 26.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

8000

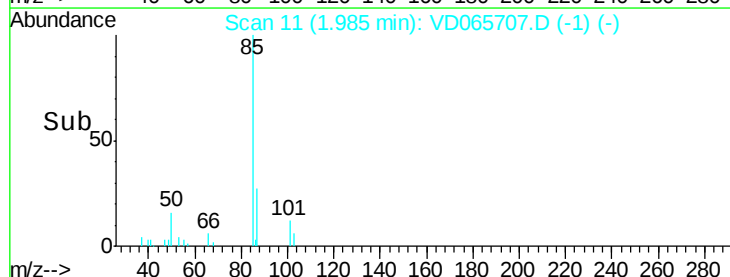
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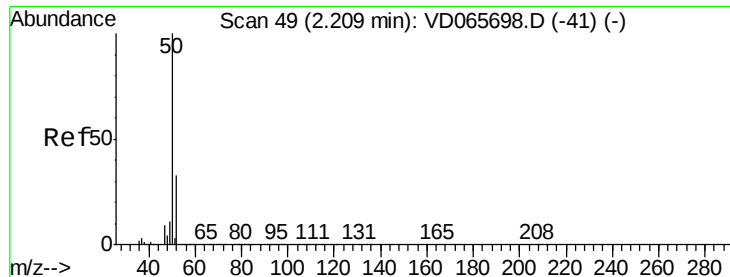
4000

2000

0

Time-->





#3

Chloromethane

Concen: 3.175 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

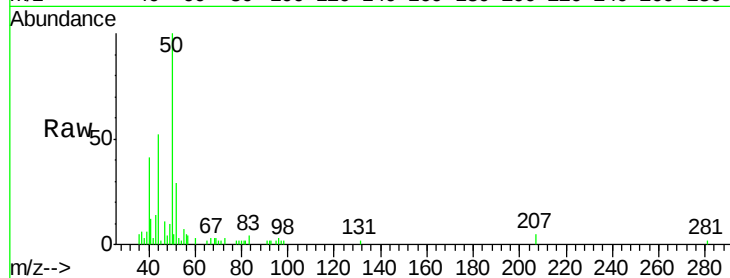
VD0307

Tot Ion: 50 Resp: 13392

Ion Ratio Lower Upper

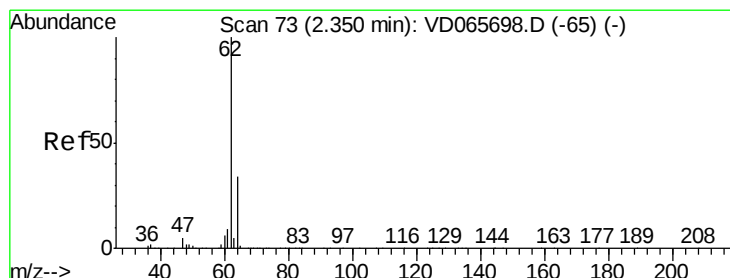
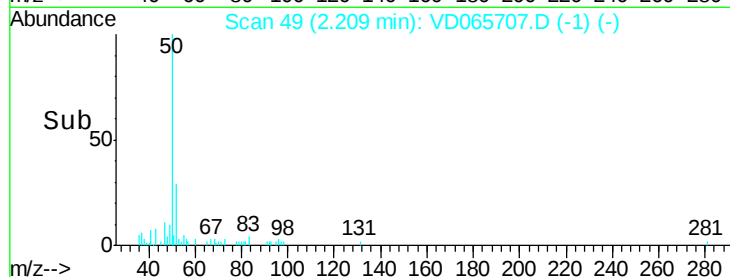
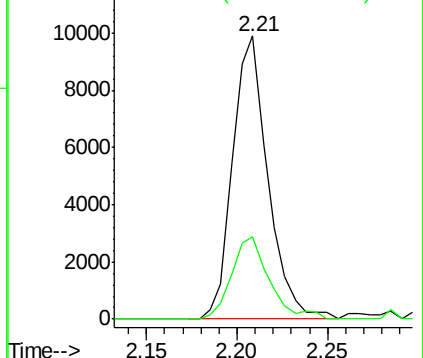
50 100

52 29.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.959 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065707.D

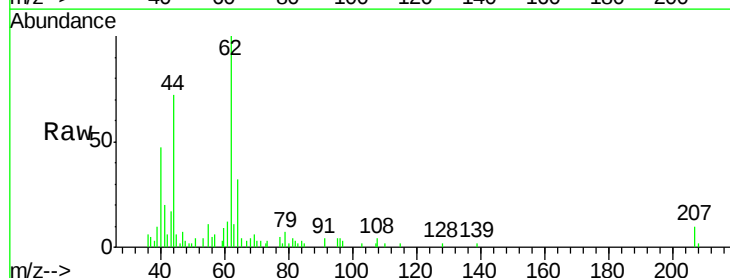
Acq: 07 May 2020 12:29

Tgt Ion: 62 Resp: 12645

Ion Ratio Lower Upper

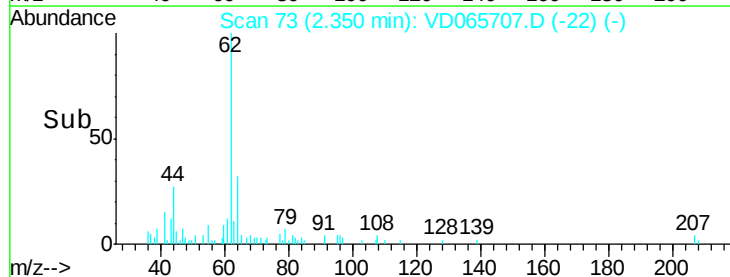
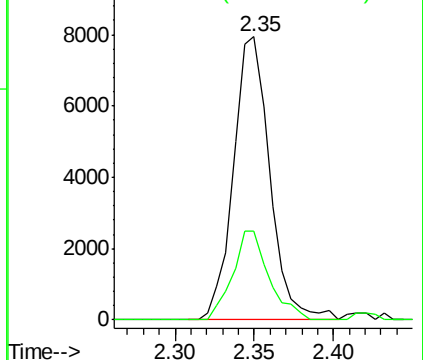
62 100

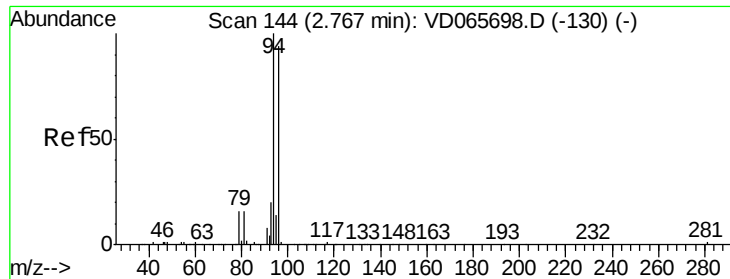
64 31.5 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.688 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

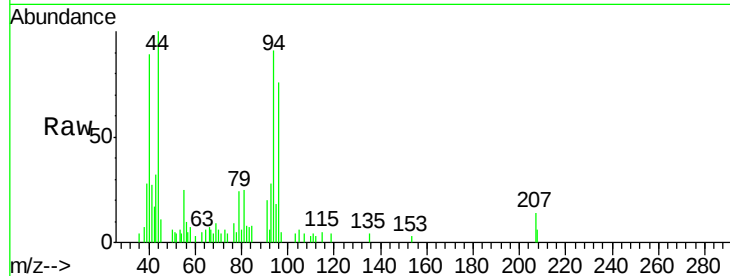
VD0307

Tot Ion: 94 Resp: 9949

Ion Ratio Lower Upper

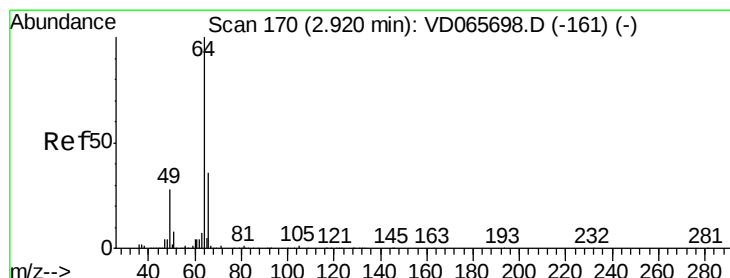
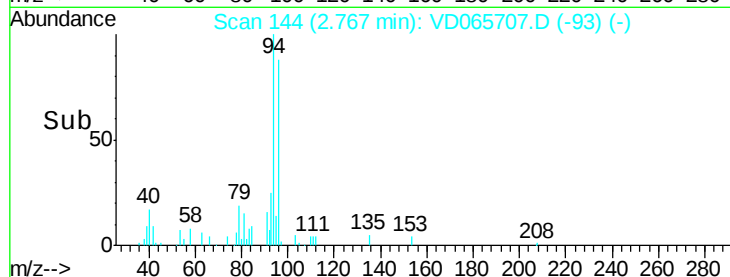
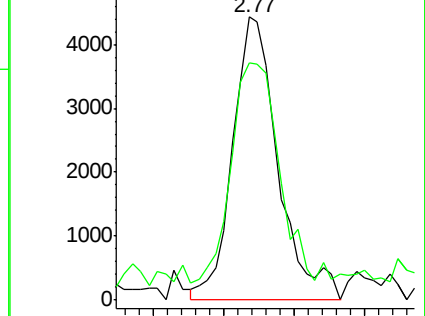
94 100

96 77.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 2.845 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065707.D

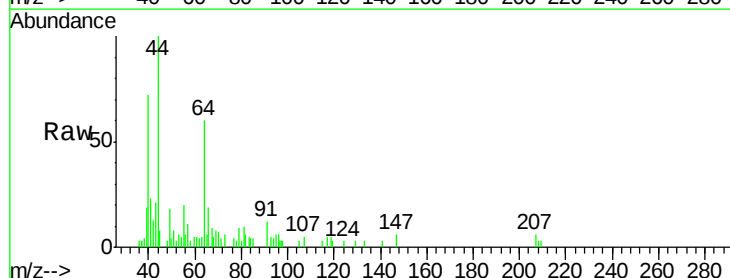
Acq: 07 May 2020 12:29

Tgt Ion: 64 Resp: 7812

Ion Ratio Lower Upper

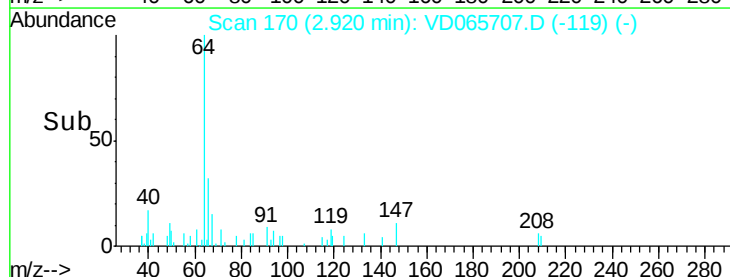
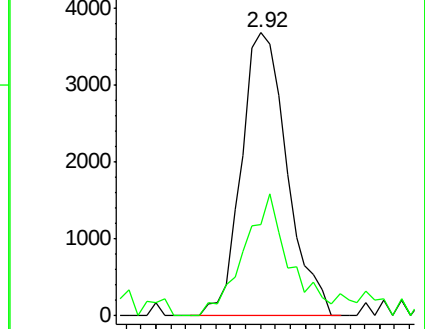
64 100

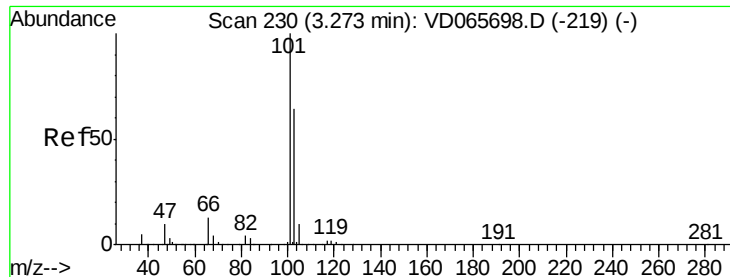
66 32.3 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



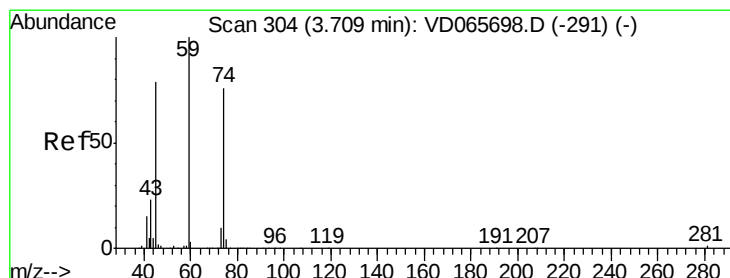
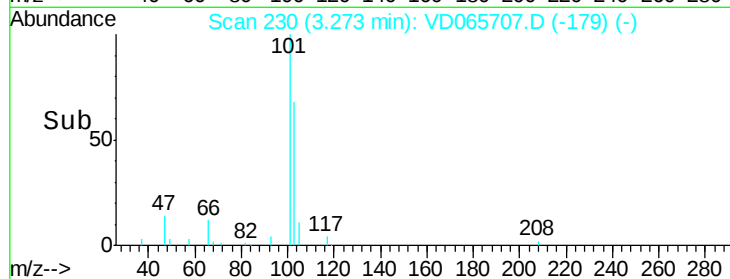
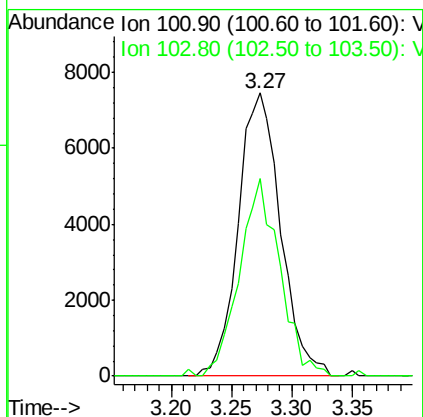
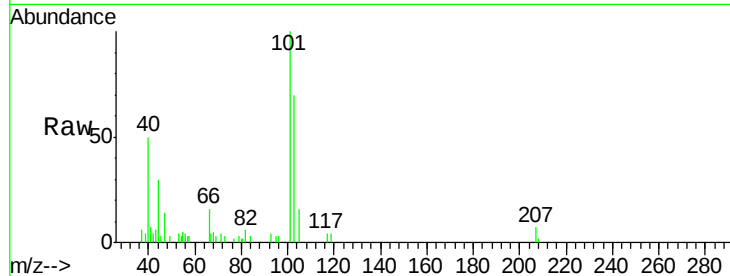


#7

Trichlorofluoromethane
 Concen: 2.674 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Instrument :
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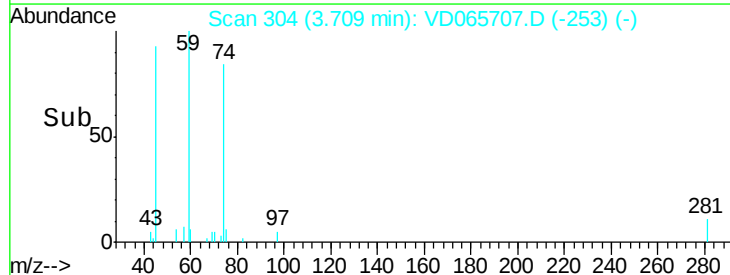
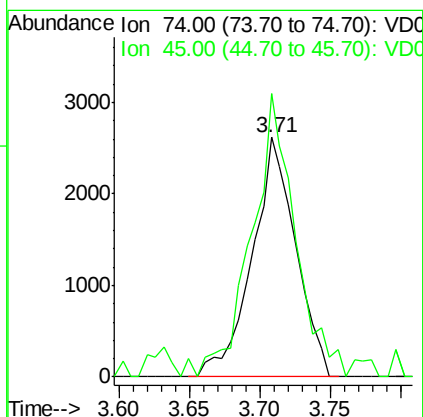
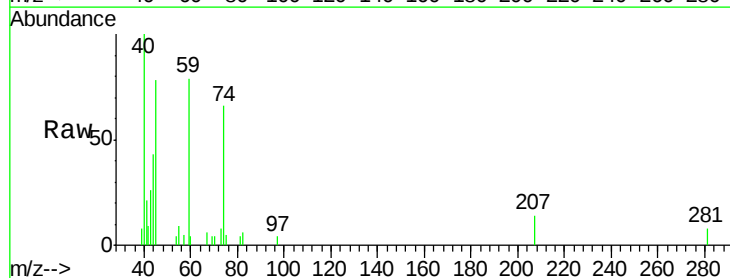
Tot Ion:101 Resp: 18234
 Ion Ratio Lower Upper
 101 100
 103 69.9 51.1 76.7

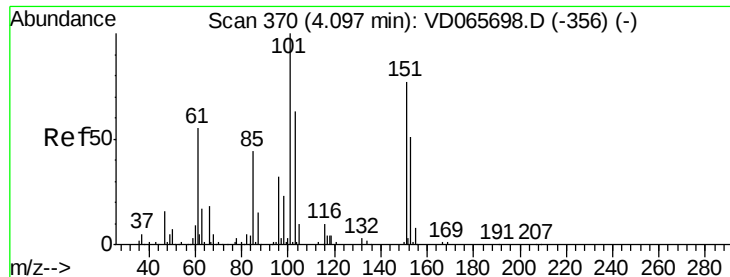


#8

Diethyl Ether
 Concen: 2.655 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 74 Resp: 5670
 Ion Ratio Lower Upper
 74 100
 45 119.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.836 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

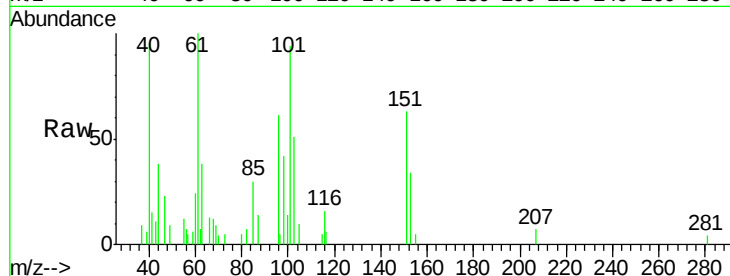
Tot Ion:101 Resp: 11738

Ion Ratio Lower Upper

101 100

85 47.4 34.4 51.6

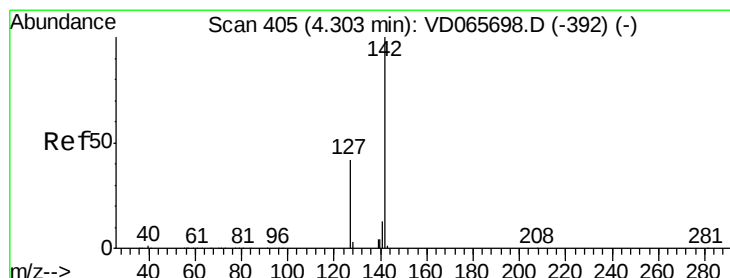
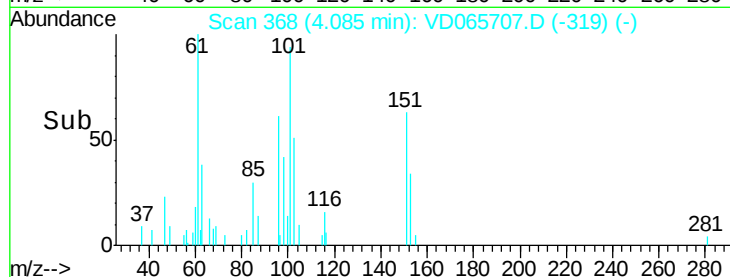
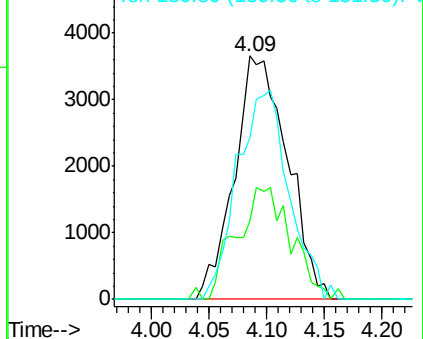
151 83.7 63.0 94.4



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: 2.563 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

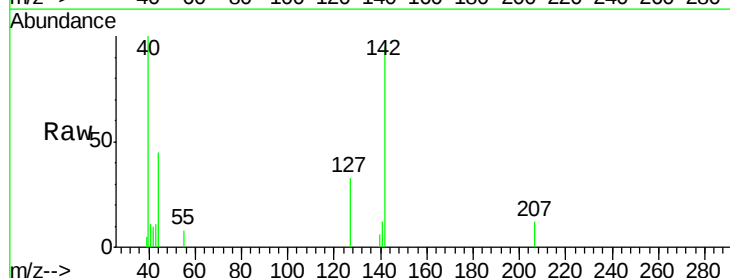
Tgt Ion:142 Resp: 10405

Ion Ratio Lower Upper

142 100

127 39.3 34.5 51.7

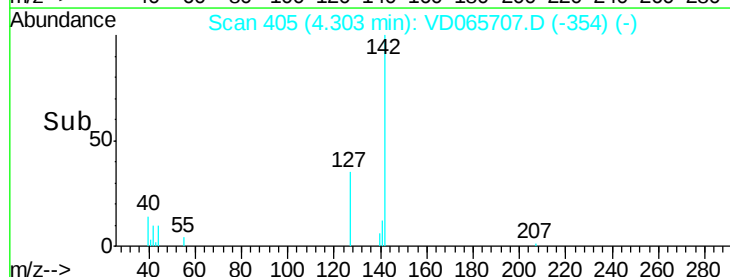
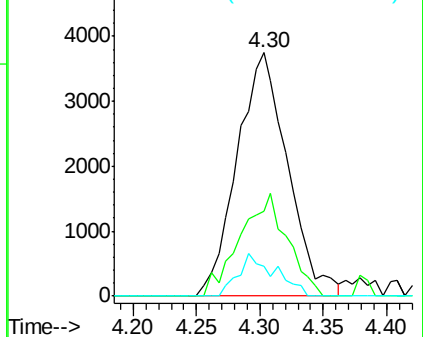
141 12.7 11.6 17.4

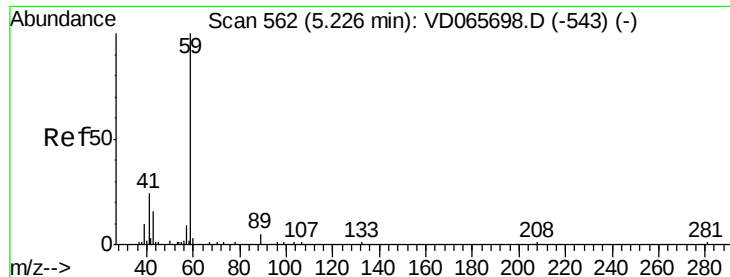


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



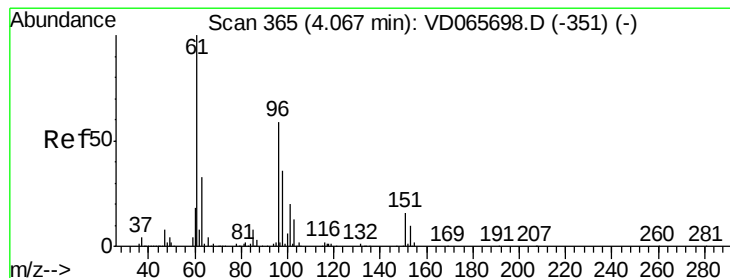
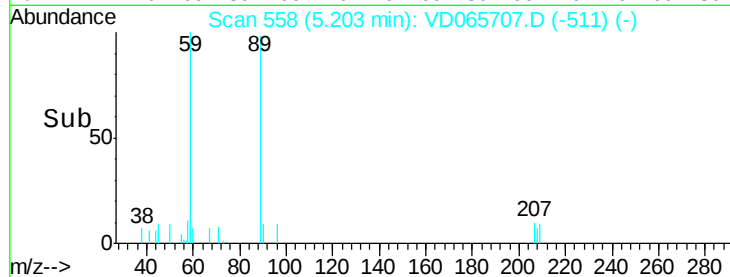
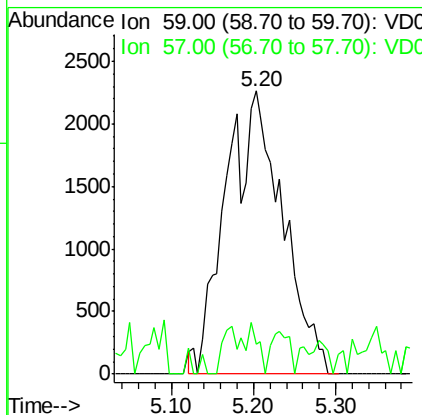
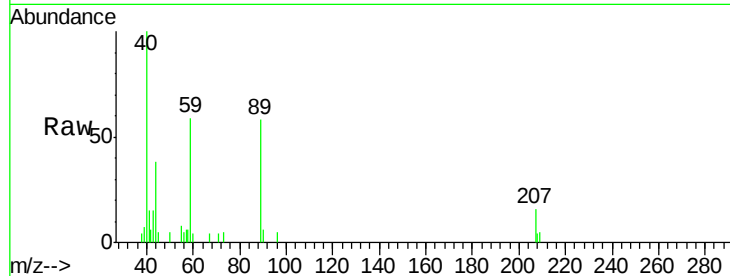


#11

Tert butyl alcohol
 Concen: 28.441 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

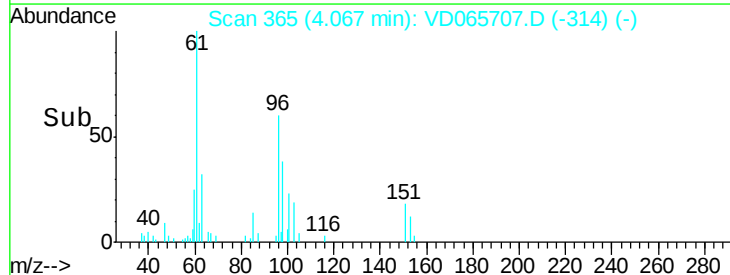
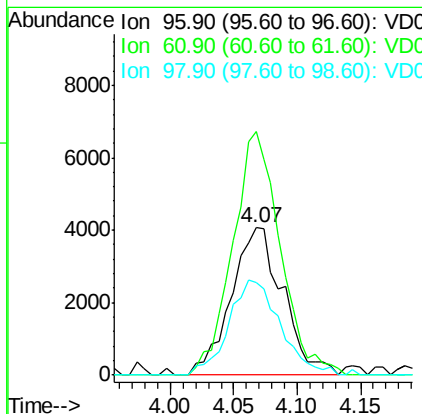
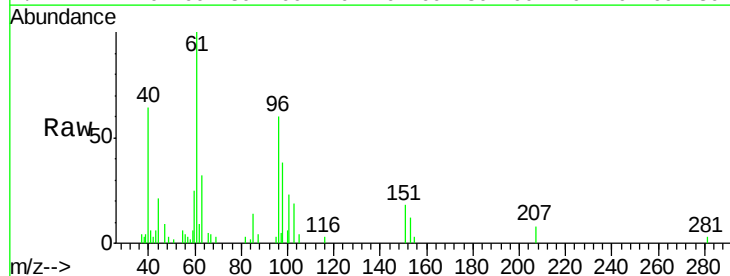
Tot Ion: 59 Resp: 10825
 Ion Ratio Lower Upper
 59 100
 57 2.9 8.7 13.1#

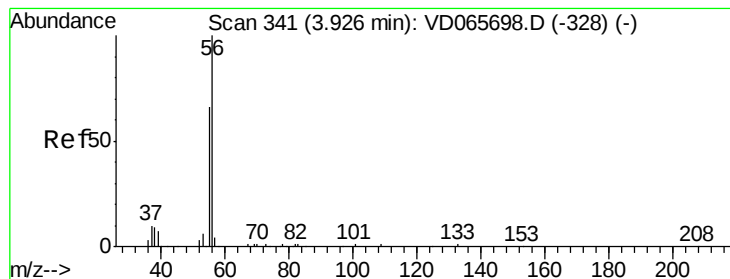


#12

1,1-Dichloroethene
 Concen: 2.830 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 96 Resp: 11512
 Ion Ratio Lower Upper
 96 100
 61 165.6 136.0 204.0
 98 63.3 49.7 74.5





#13

Acrolein

Concen: 15.334 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

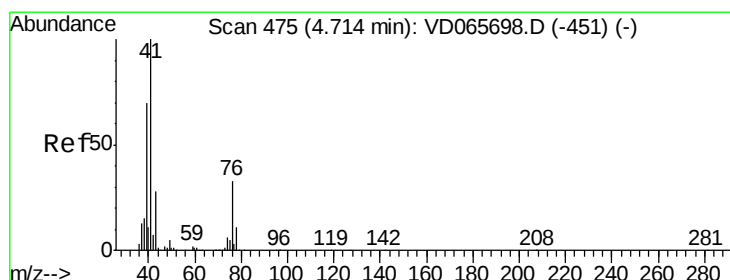
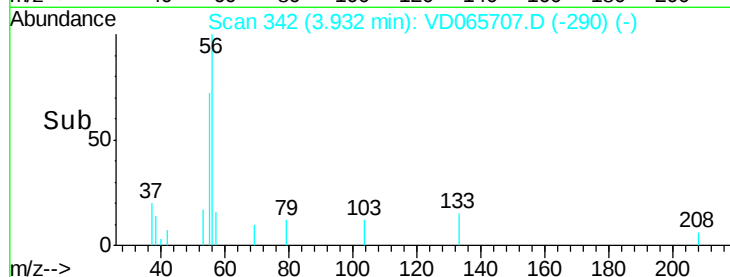
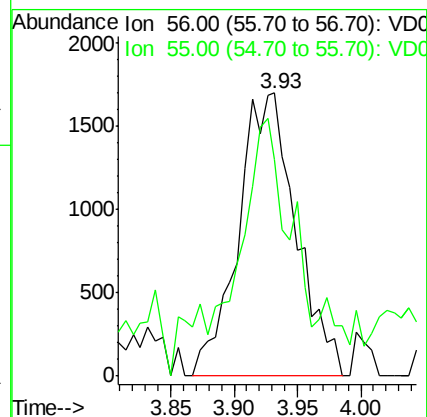
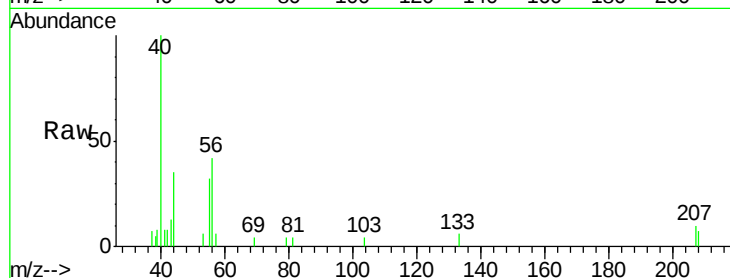
VD0307

Tot Ion: 56 Resp: 5382

Ion Ratio Lower Upper

56 100

55 55.7 56.7 85.1#



#14

Allyl chloride

Concen: 2.498 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

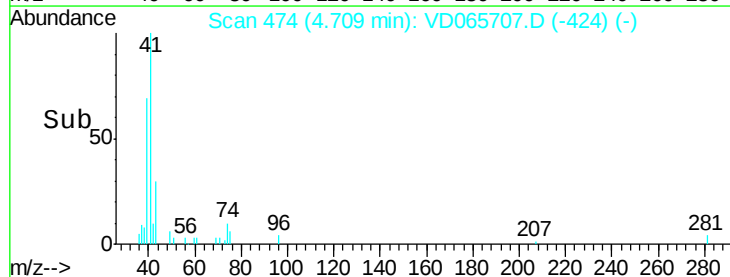
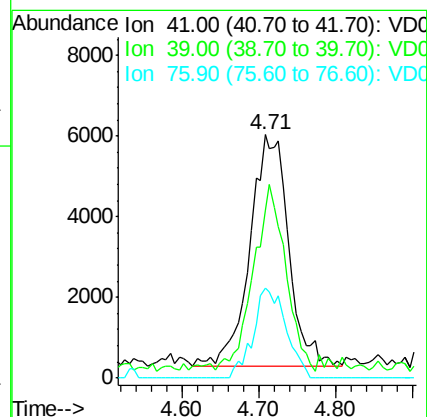
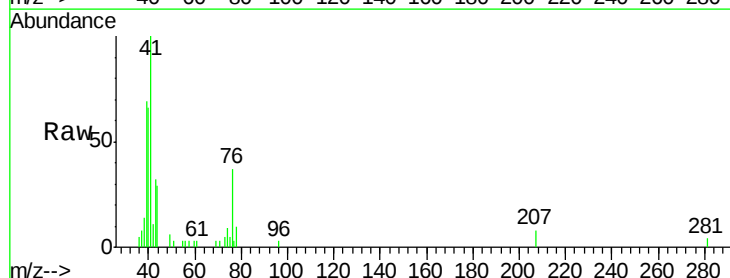
Tgt Ion: 41 Resp: 20257

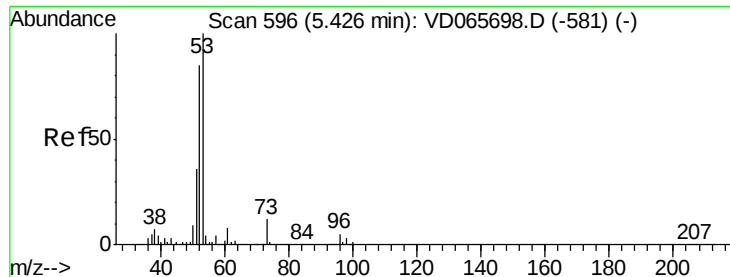
Ion Ratio Lower Upper

41 100

39 66.9 55.6 83.4

76 33.0 25.6 38.4





#15

Acrylonitrile

Concen: 13.329 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleID :

VD0307

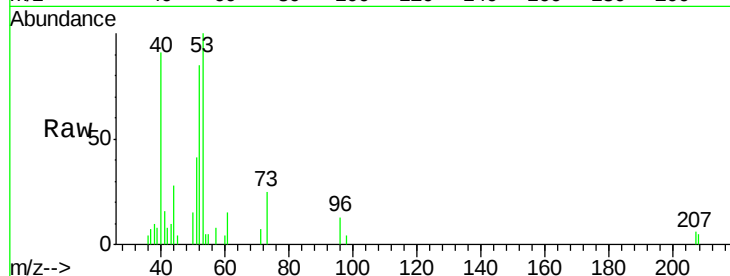
Tot Ion: 53 Resp: 13385

Ion Ratio Lower Upper

53 100

52 74.3 66.2 99.2

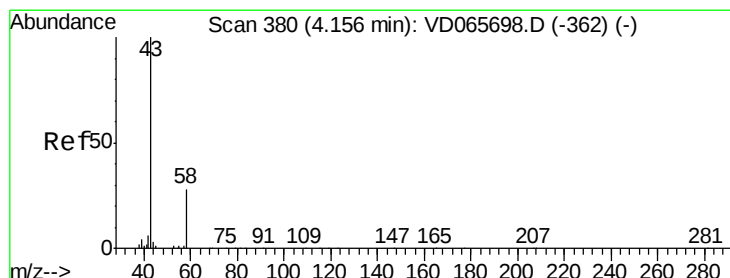
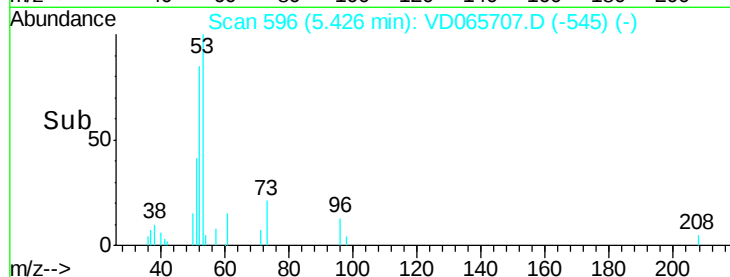
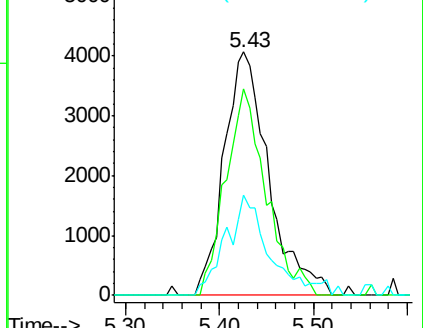
51 39.1 29.9 44.9



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: 13.714 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065707.D

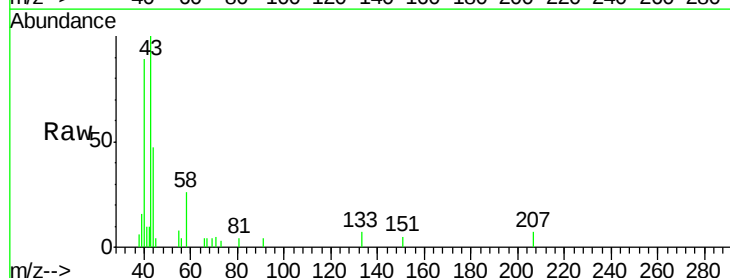
Acq: 07 May 2020 12:29

Tgt Ion: 43 Resp: 12507

Ion Ratio Lower Upper

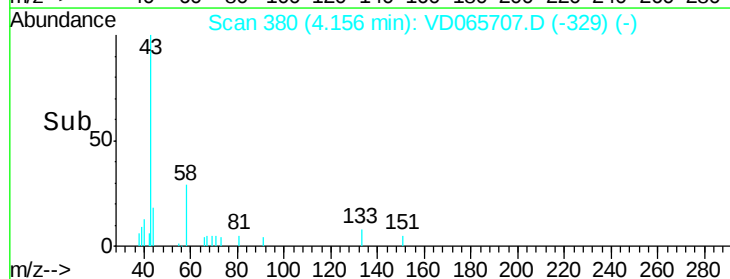
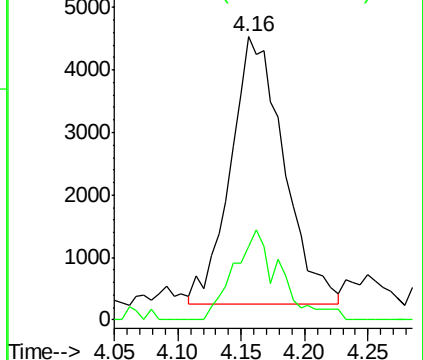
43 100

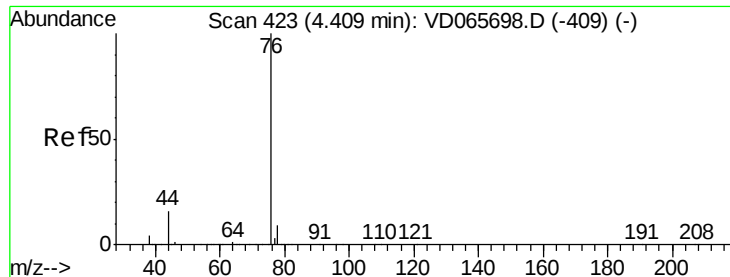
58 28.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

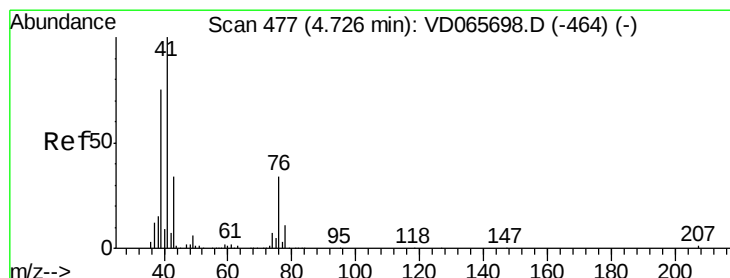
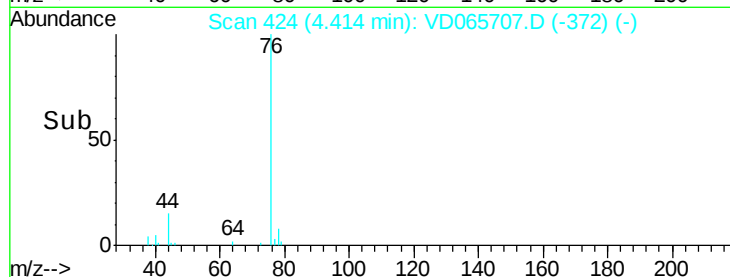
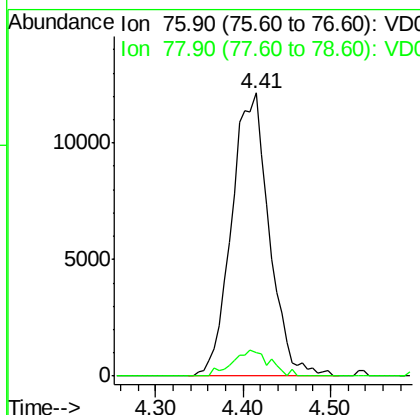
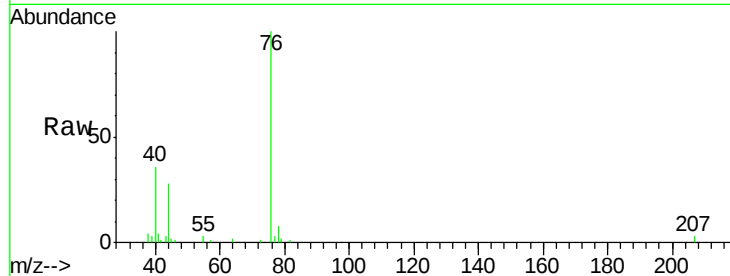




#17
Carbon Disulfide
Concen: 2.645 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

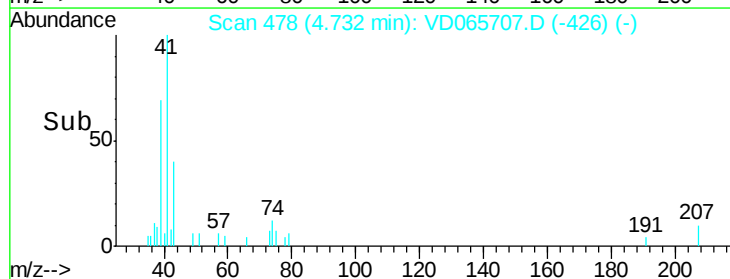
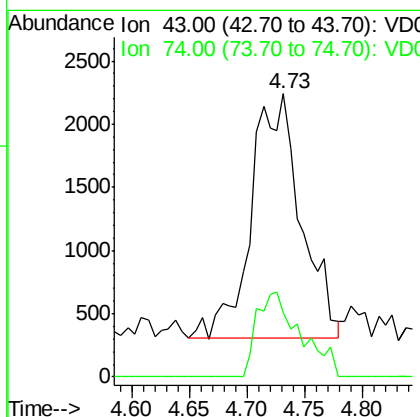
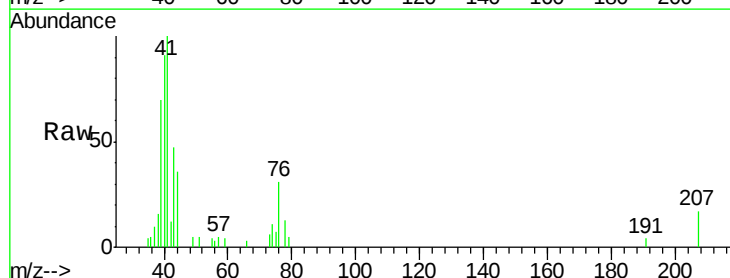
Instrument :
MSVOA_D
ClientSampleId :
VD0307

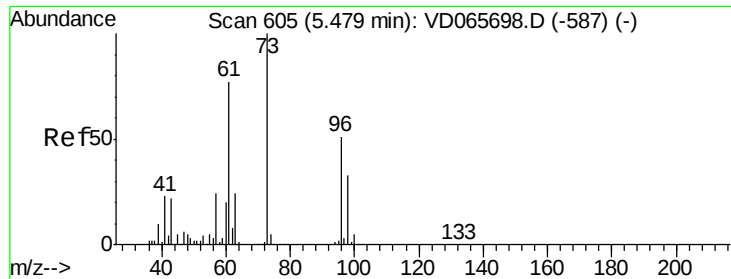
Tot Ion: 76 Resp: 35380
Ion Ratio Lower Upper
76 100
78 8.1 6.8 10.2



#18
Methyl Acetate
Concen: 2.576 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 43 Resp: 5840
Ion Ratio Lower Upper
43 100
74 30.4 17.1 25.7#



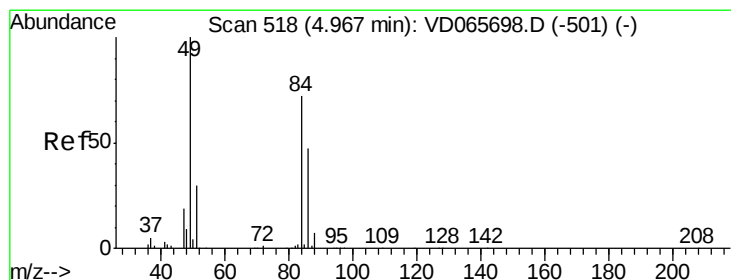
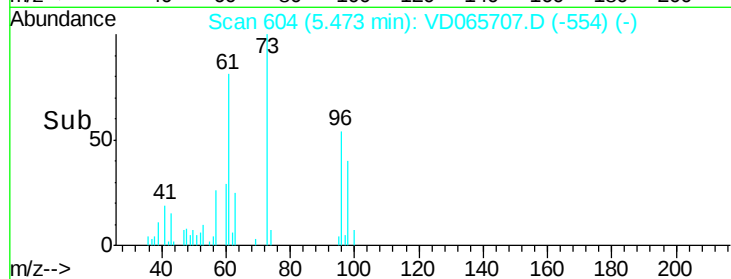
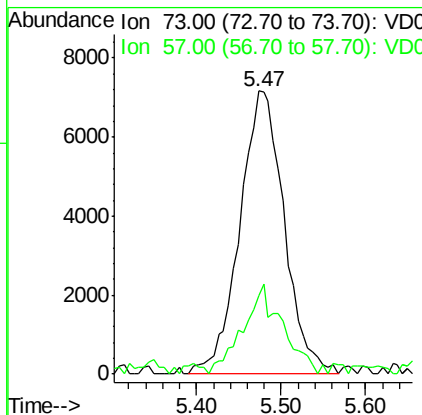
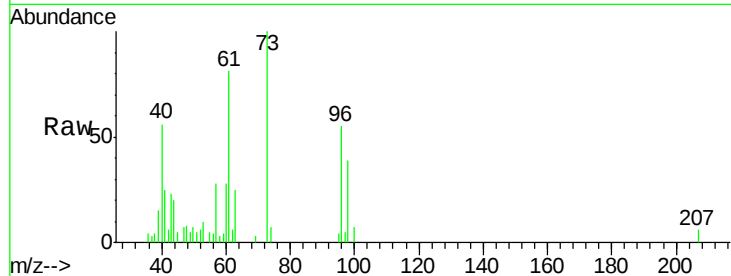


#19

Methyl tert-butyl Ether
 Concen: 2.654 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0307

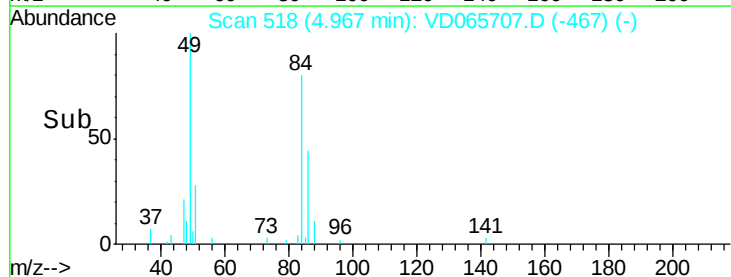
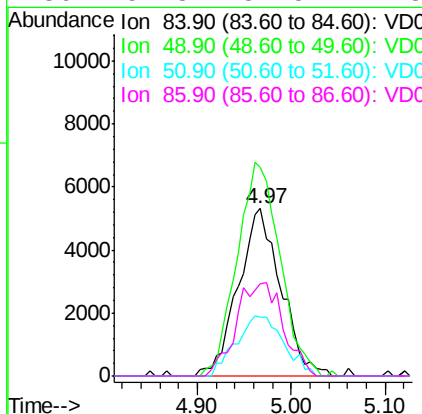
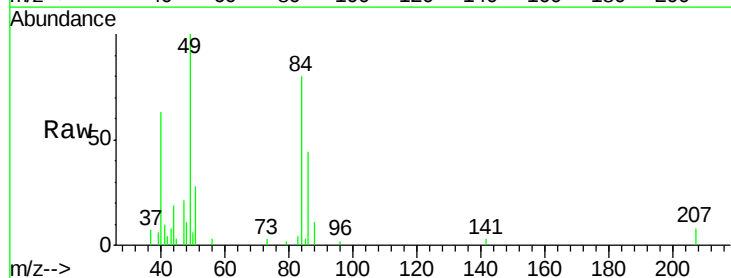
Tot Ion: 73 Resp: 26171
 Ion Ratio Lower Upper
 73 100
 57 24.6 19.4 29.0

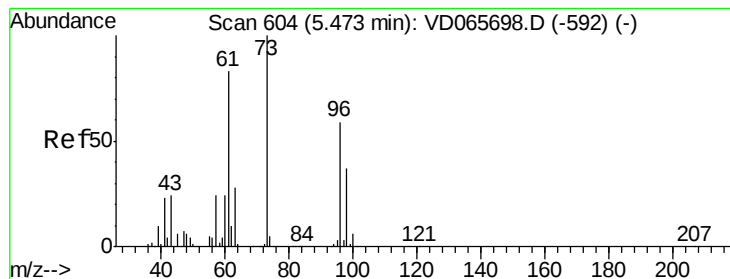


#20

Methylene Chloride
 Concen: 3.633 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 84 Resp: 16691
 Ion Ratio Lower Upper
 84 100
 49 124.7 110.4 165.6
 51 34.9 33.4 50.2
 86 54.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 3.018 ug/l m

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

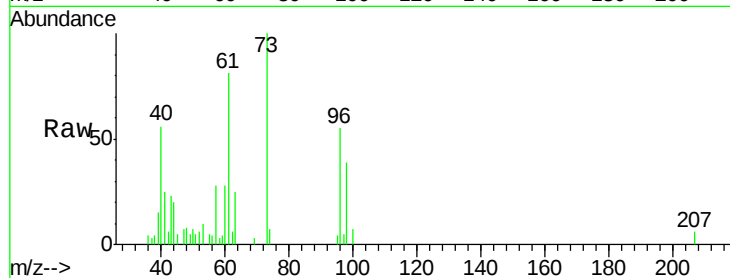
Tot Ion: 96 Resp: 14054

Ion Ratio Lower Upper

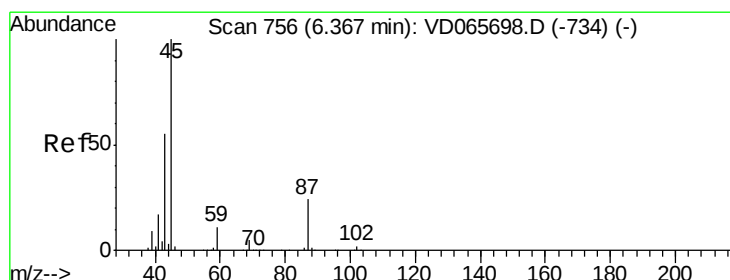
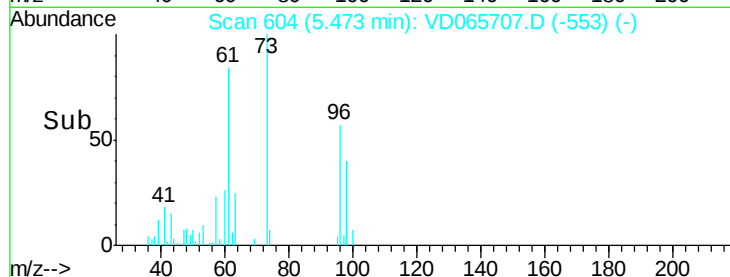
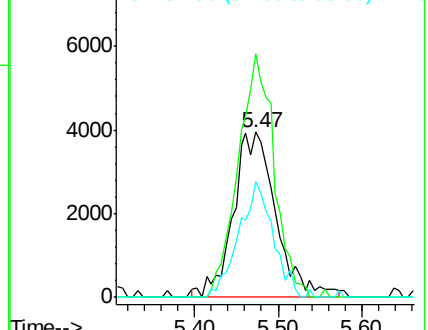
96 100

61 147.4 113.0 169.4

98 70.2 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: 2.407 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Tgt Ion: 45 Resp: 36294

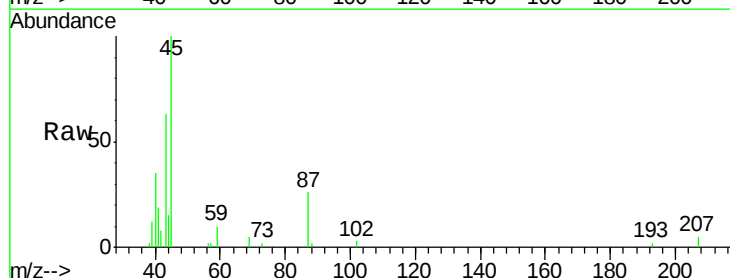
Ion Ratio Lower Upper

45 100

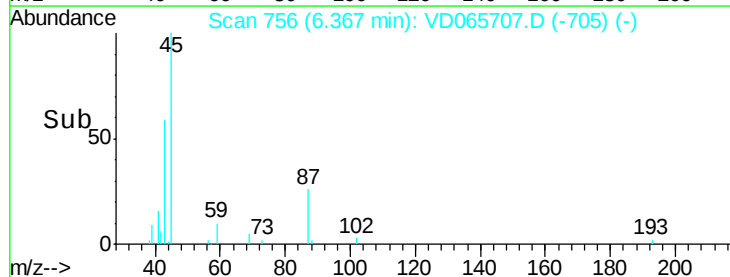
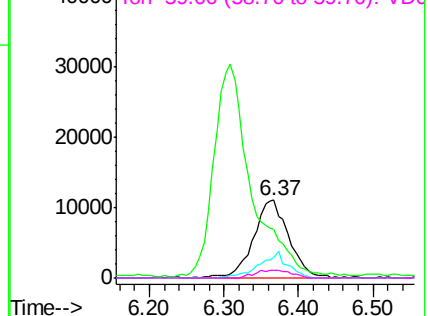
43 59.5 44.2 66.4

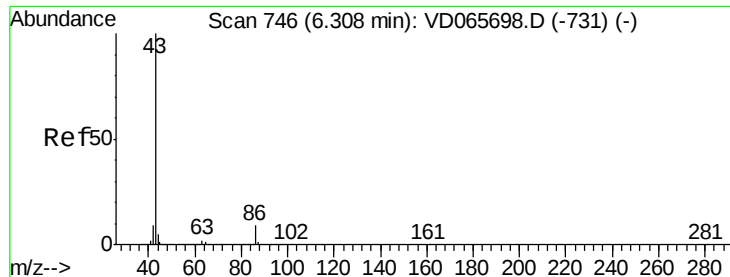
87 26.1 19.0 28.4

59 10.1 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: 11.529 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

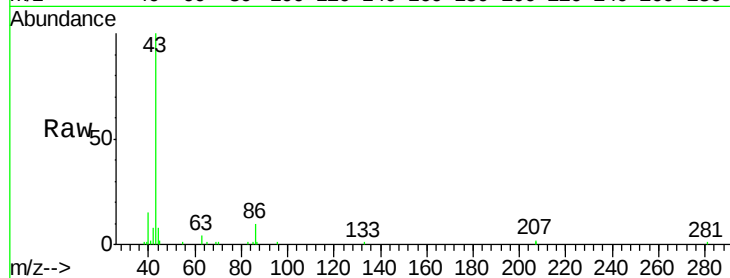
VD0307

Tot Ion: 43 Resp: 105001

Ion Ratio Lower Upper

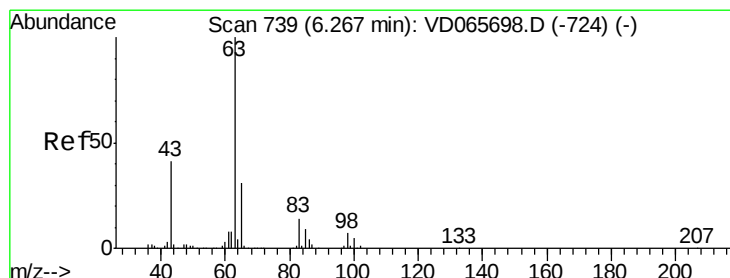
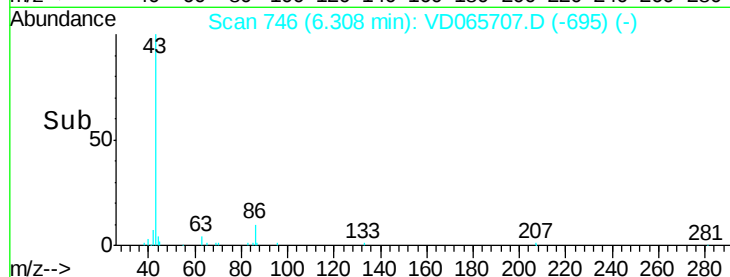
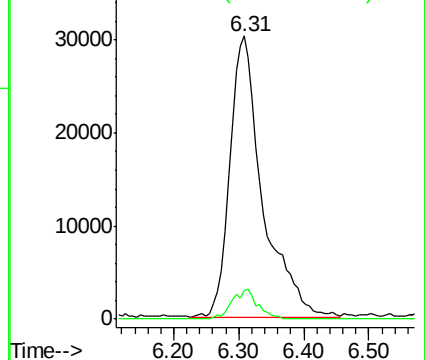
43 100

86 10.2 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: 2.607 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

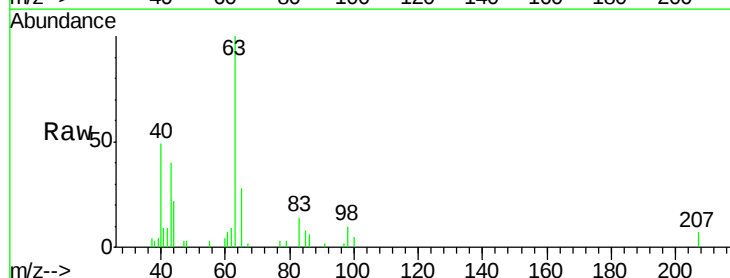
Tgt Ion: 63 Resp: 21531

Ion Ratio Lower Upper

63 100

98 9.6 3.4 10.2

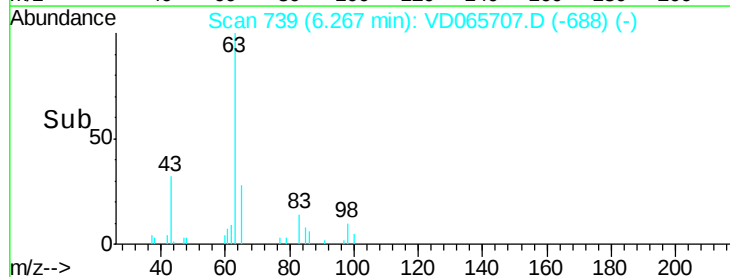
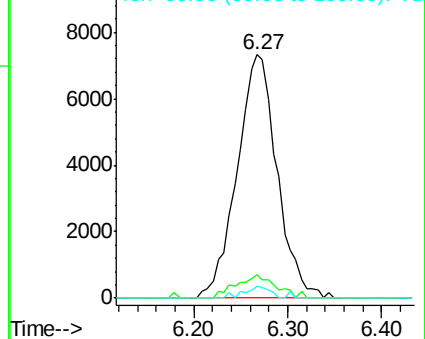
100 4.9 2.3 6.9

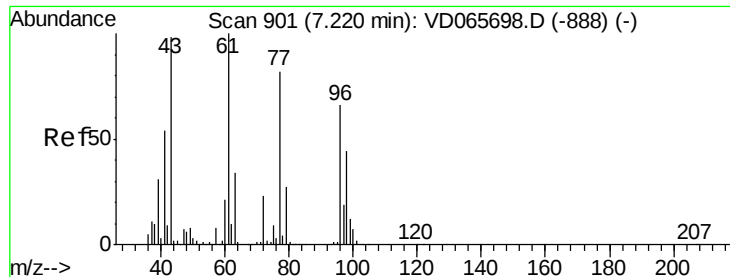


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 13.694 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

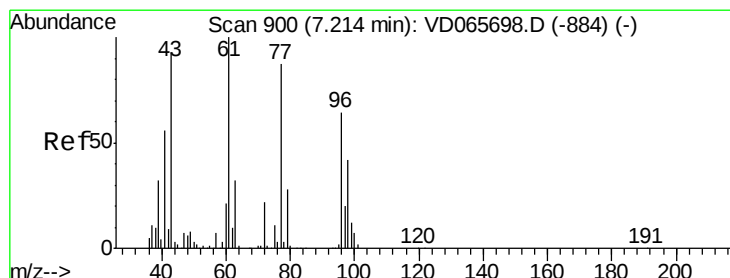
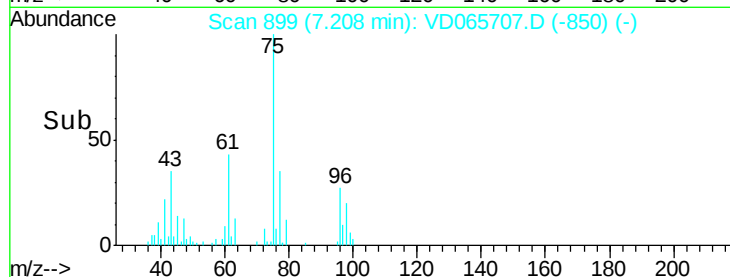
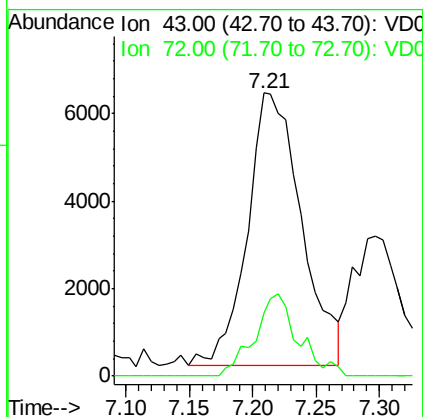
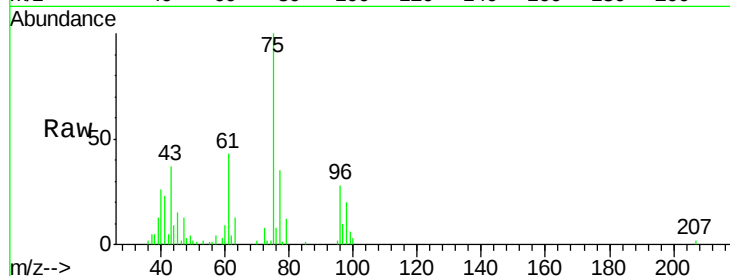
VD0307

Tot Ion: 43 Resp: 18524

Ion Ratio Lower Upper

43 100

72 23.2 19.2 28.8



#26

2,2-Dichloropropane

Concen: 2.732 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065707.D

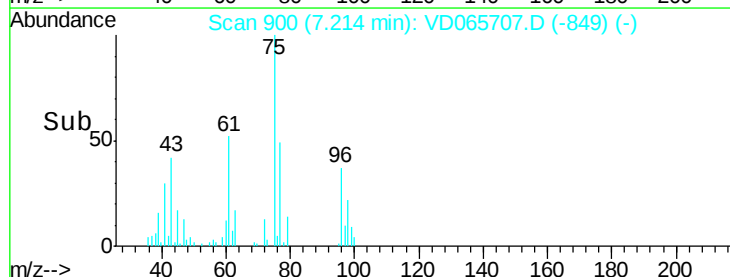
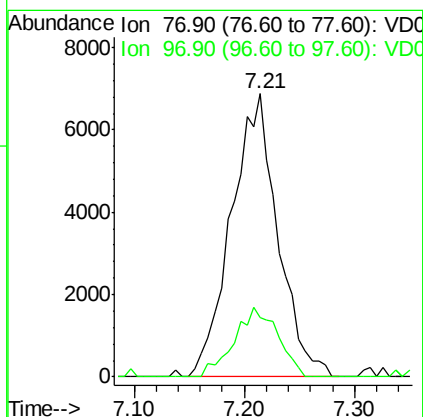
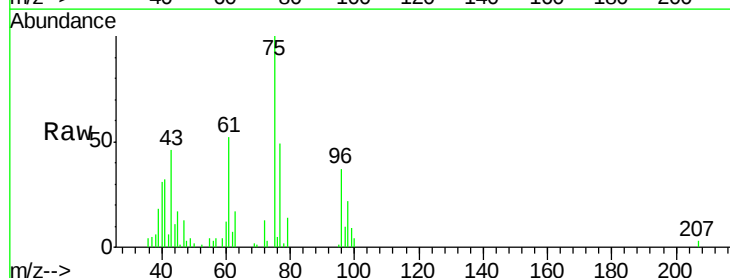
Acq: 07 May 2020 12:29

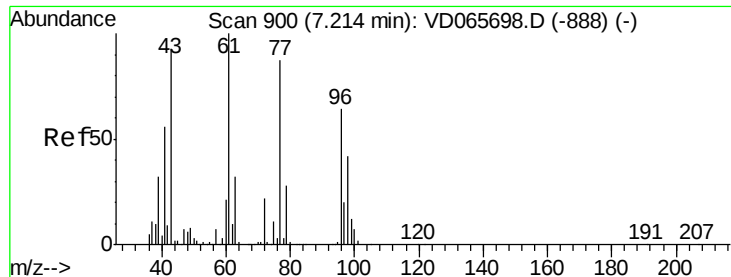
Tgt Ion: 77 Resp: 20319

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 2.787 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

VD0307

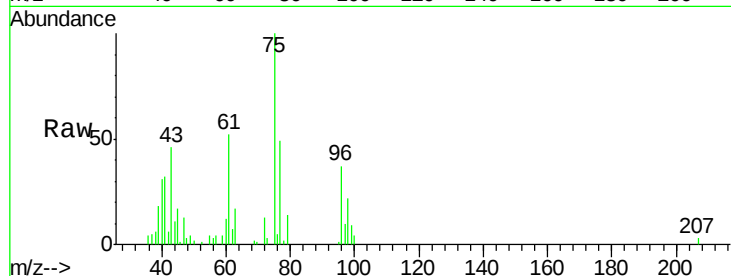
Tot Ion: 96 Resp: 14080

Ion Ratio Lower Upper

96 100

61 148.7 0.0 306.6

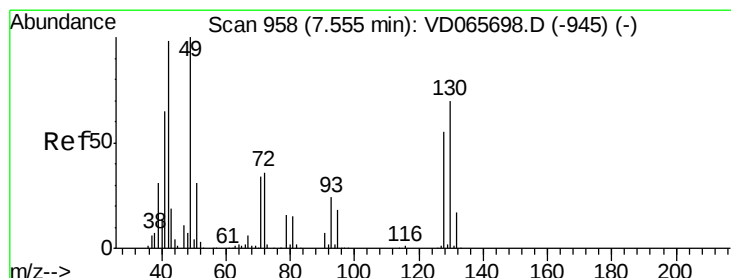
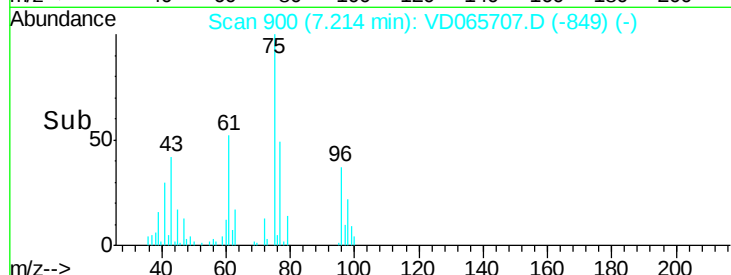
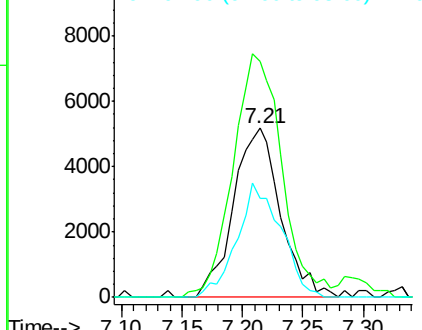
98 62.8 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 2.092 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

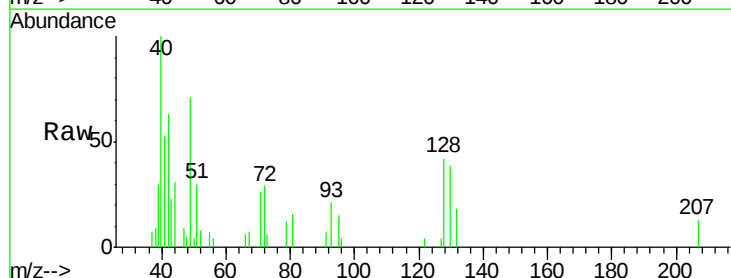
Tgt Ion: 49 Resp: 7209

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

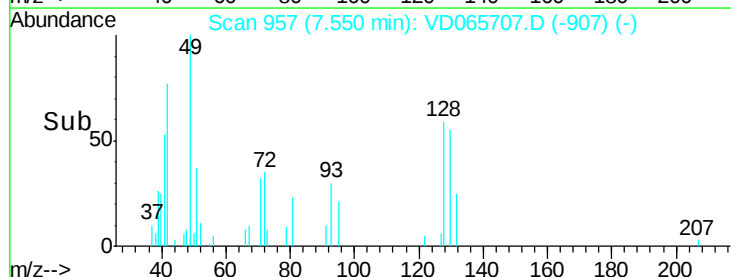
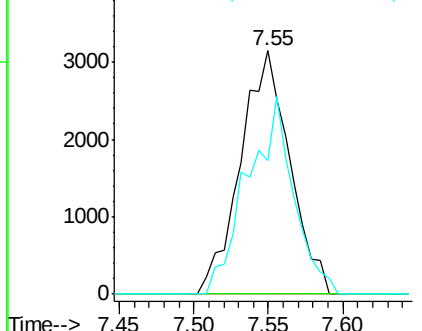
130 75.8 56.4 84.6

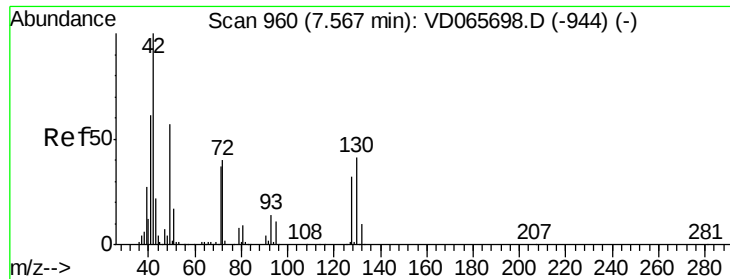


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 14.463 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

VD0307

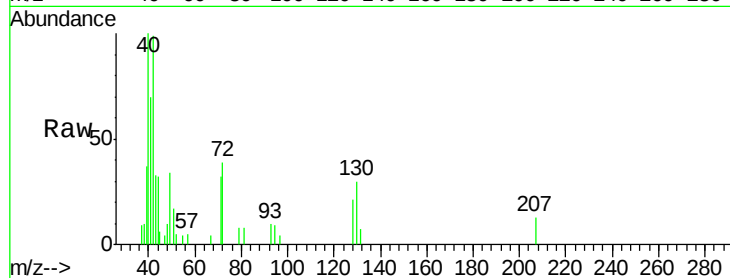
Tot Ion: 42 Resp: 12610

Ion Ratio Lower Upper

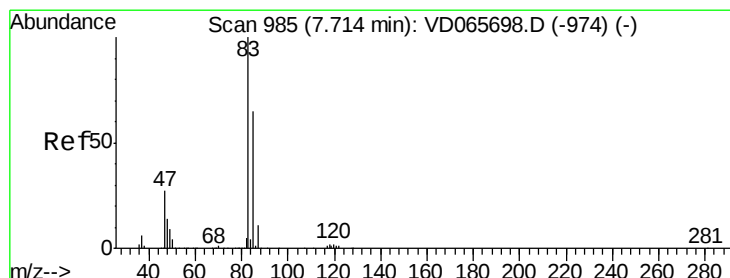
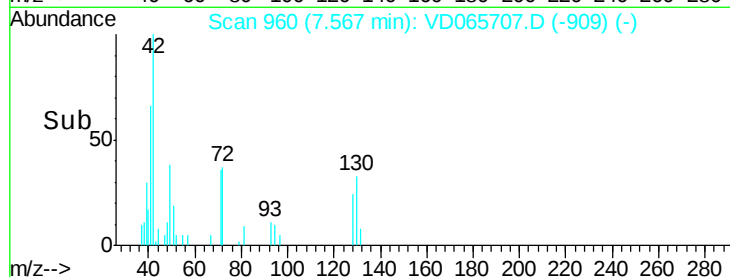
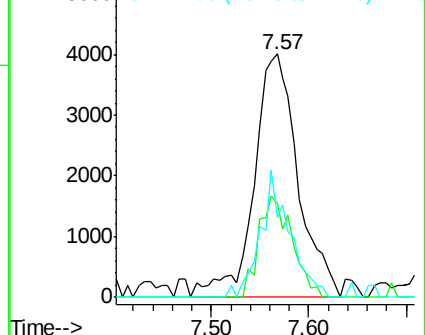
42 100

72 31.6 30.4 45.6

71 34.5 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: 2.587 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065707.D

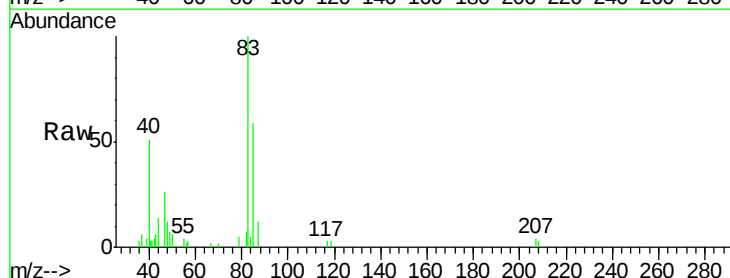
Acq: 07 May 2020 12:29

Tgt Ion: 83 Resp: 20567

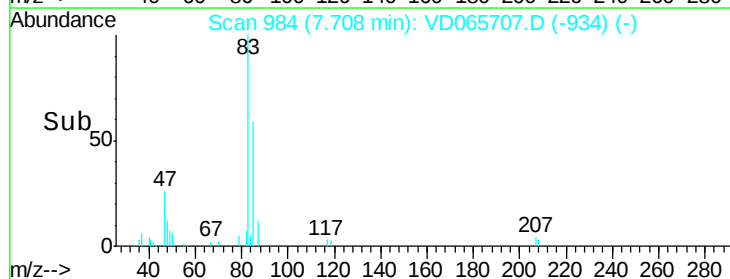
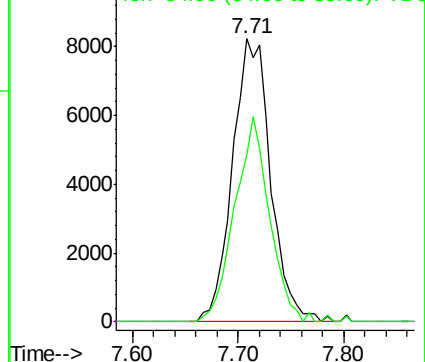
Ion Ratio Lower Upper

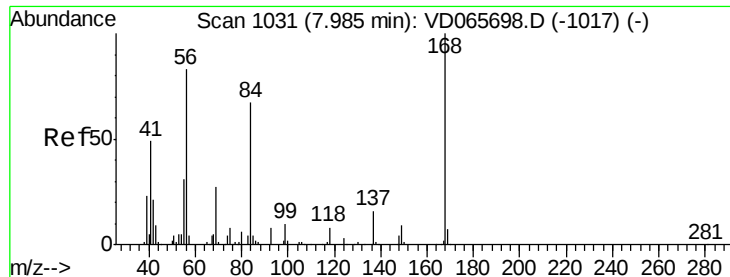
83 100

85 58.9 52.1 78.1



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

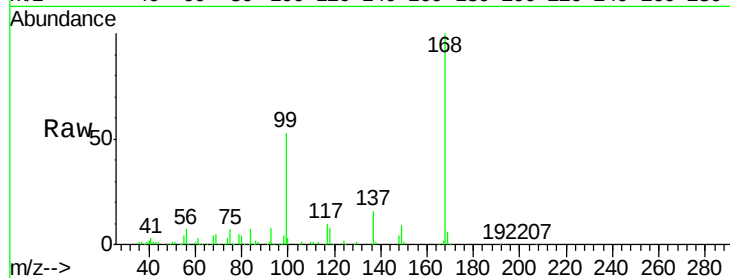




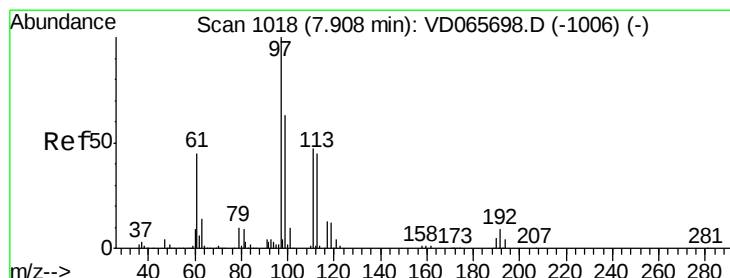
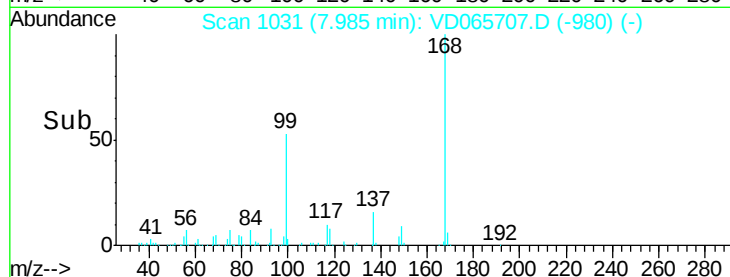
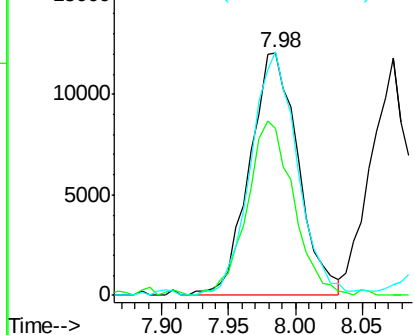
#31
Cyclohexane
Concen: 3.563 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion: 56 Resp: 30451
Ion Ratio Lower Upper
56 100
69 68.7 26.3 39.5#
84 100.2 64.5 96.7#

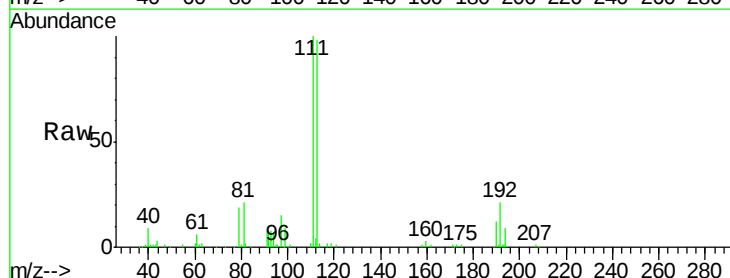


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

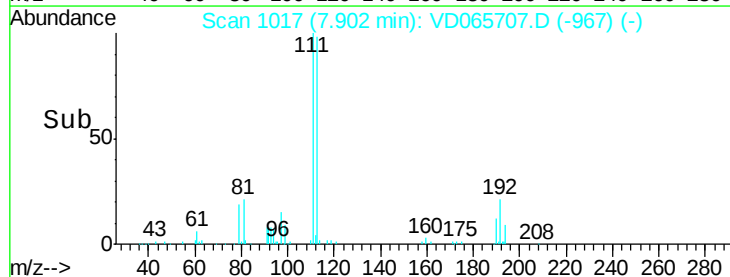
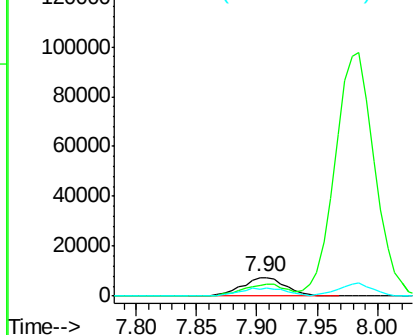


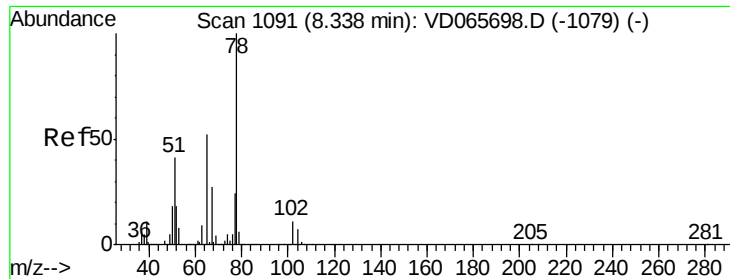
#32
1,1,1-Trichloroethane
Concen: 2.546 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 97 Resp: 18758
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 45.1 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: 44.975 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

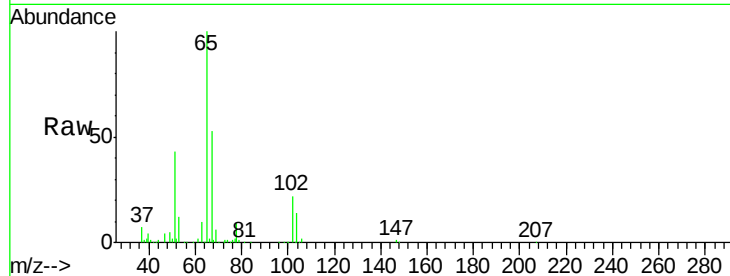
VD0307

Tot Ion: 65 Resp: 192108

Ion Ratio Lower Upper

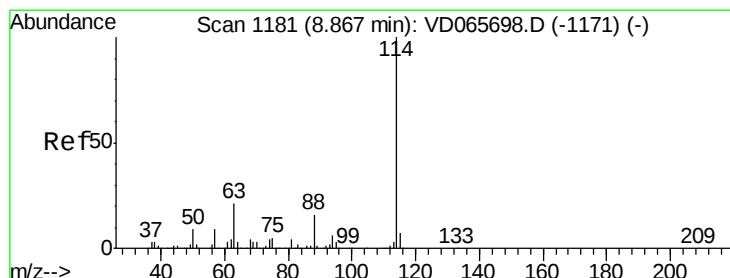
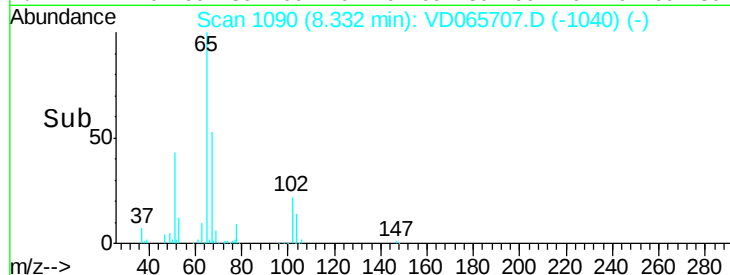
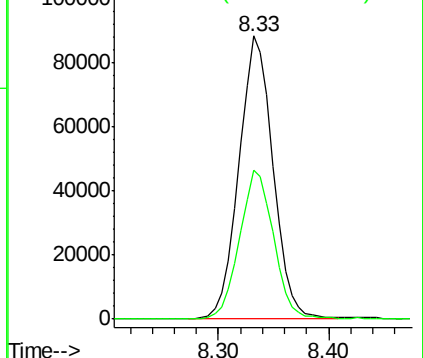
65 100

67 52.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

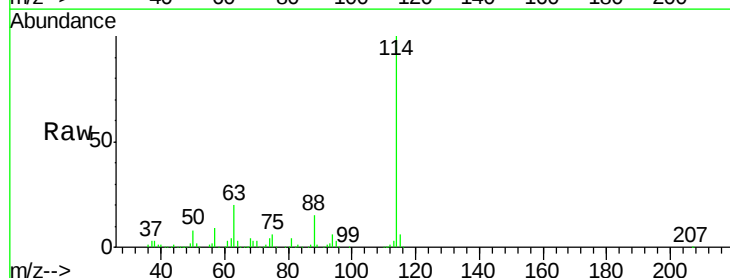
Tgt Ion: 114 Resp: 641504

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

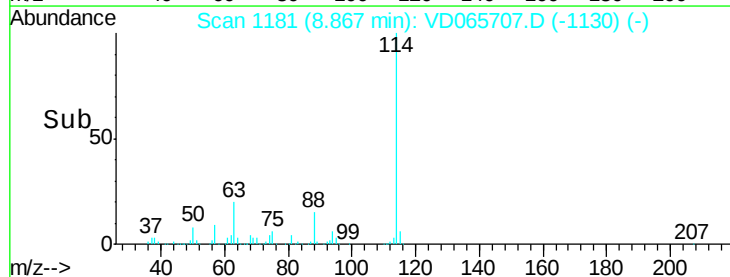
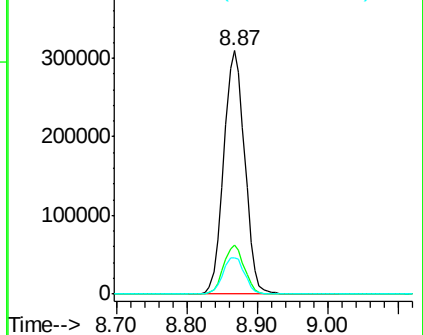
88 14.9 0.0 32.6

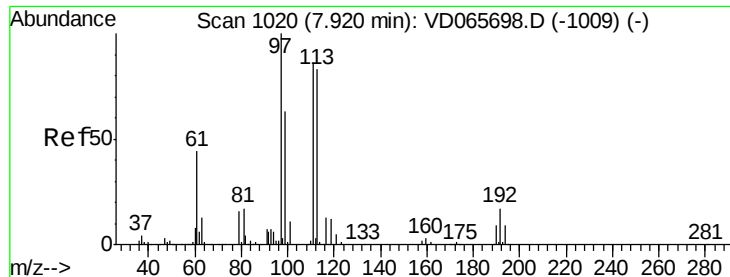


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

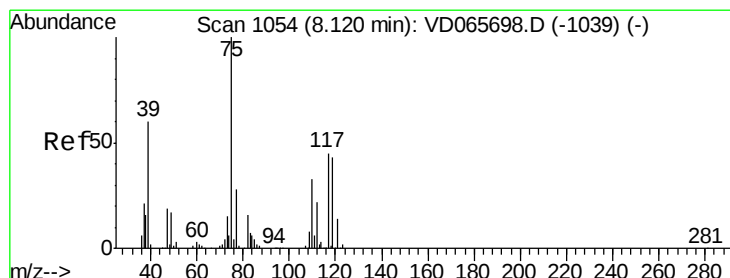
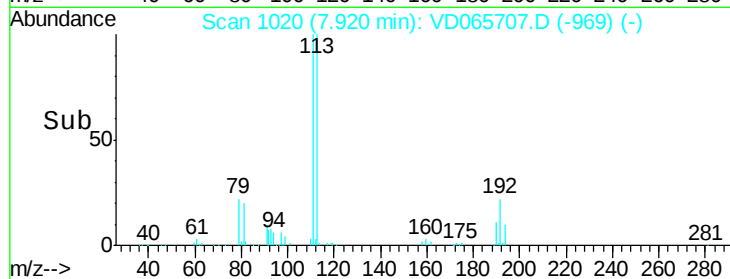
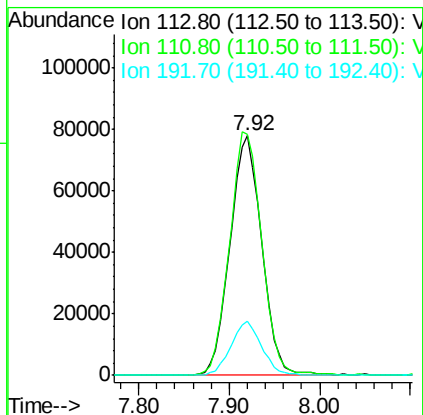
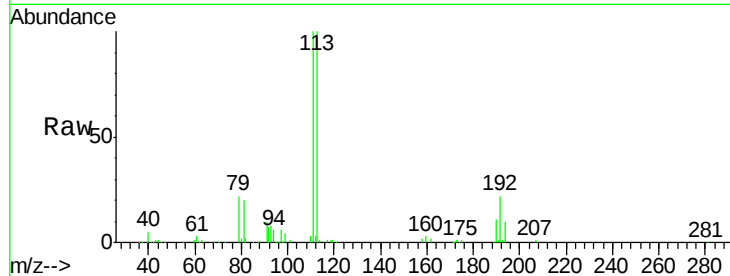




#35
 Dibromofluoromethane
 Concen: 47.320 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

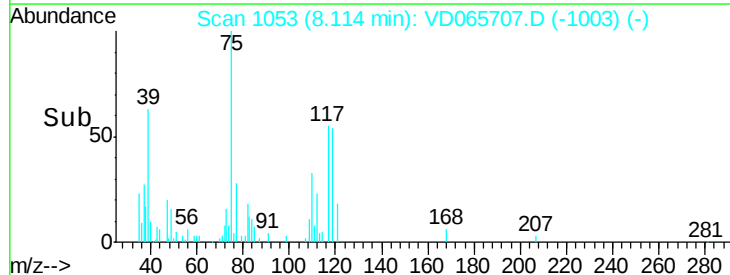
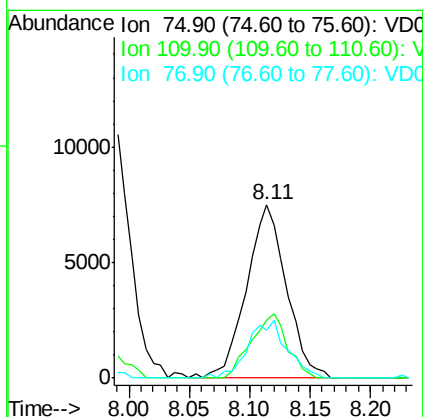
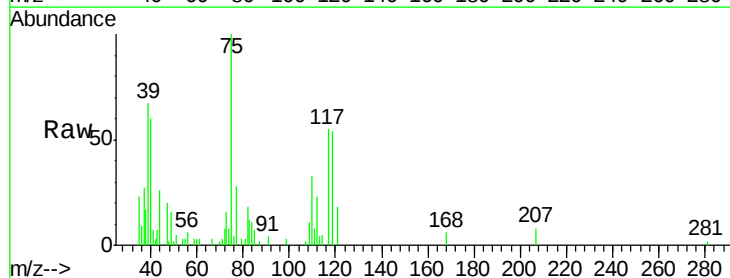
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

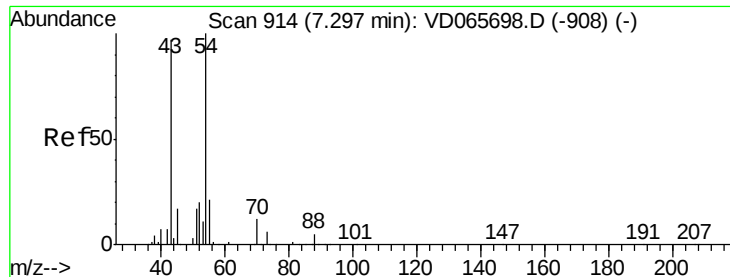
Tot Ion:113 Resp: 189721
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 21.8 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 2.699 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 75 Resp: 17197
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.2 51.6
 77 32.6 23.7 35.5

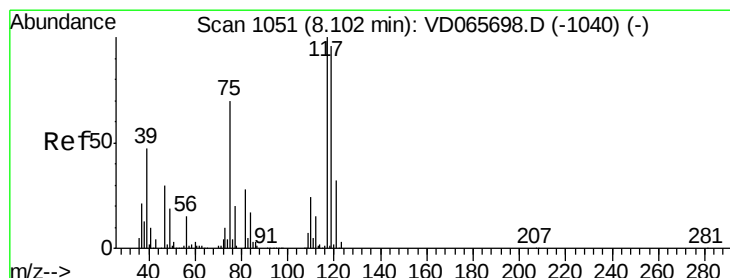
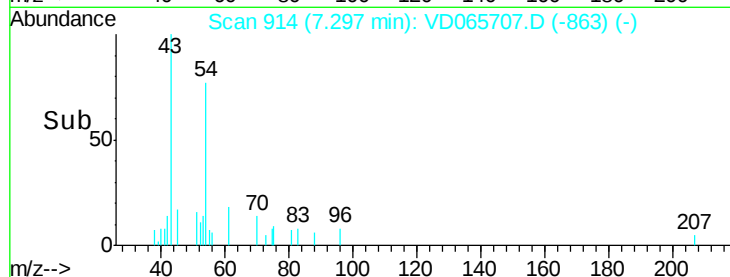
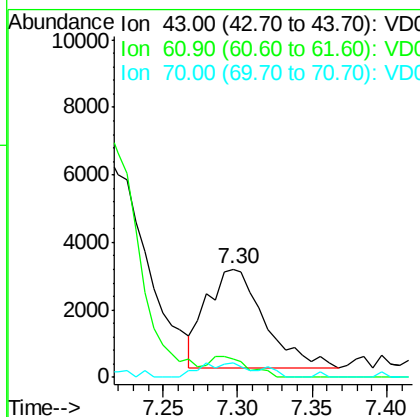
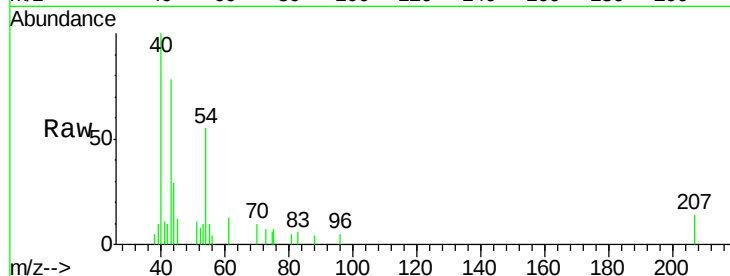




#37
Ethyl Acetate
Concen: 2.592 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

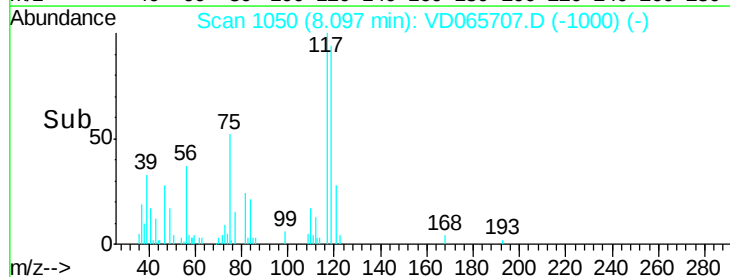
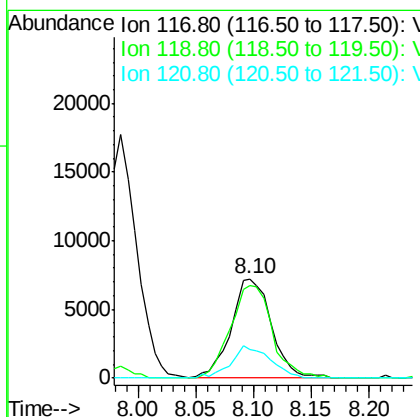
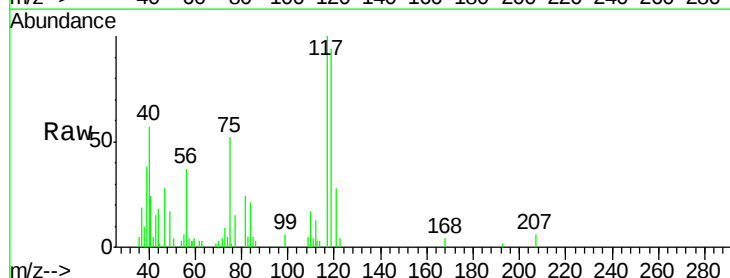
Instrument :
MSVOA_D
ClientSampleId :
VD0307

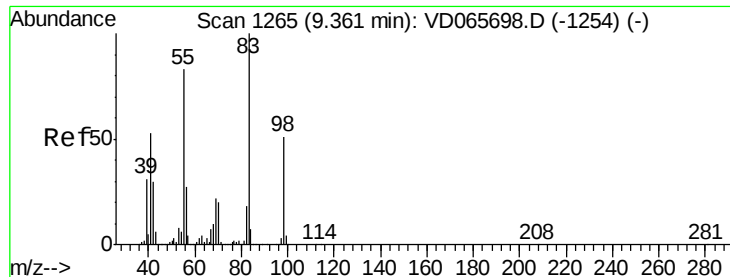
Tot Ion: 43 Resp: 7950
Ion Ratio Lower Upper
43 100
61 14.4 9.9 14.9
70 14.1 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 2.780 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 117 Resp: 17558
Ion Ratio Lower Upper
117 100
119 93.9 77.1 115.7
121 28.5 25.5 38.3

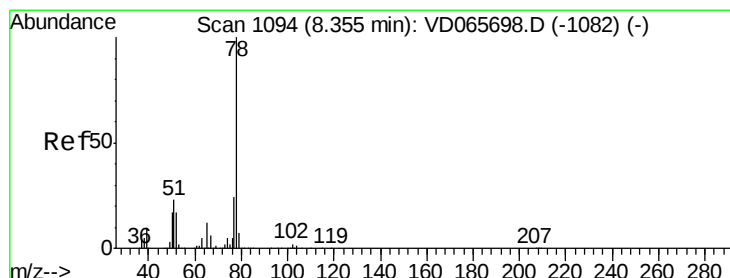
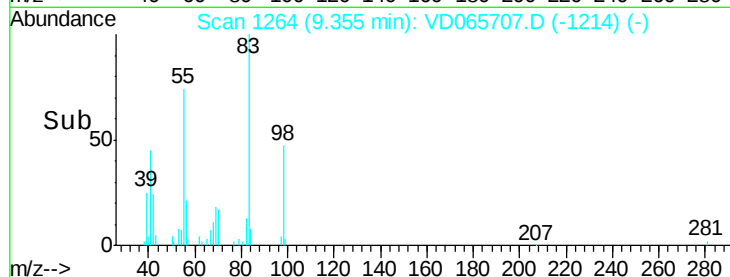
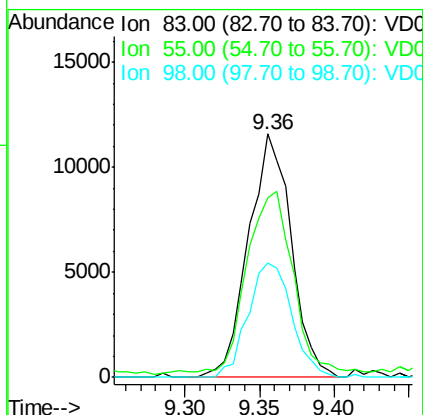
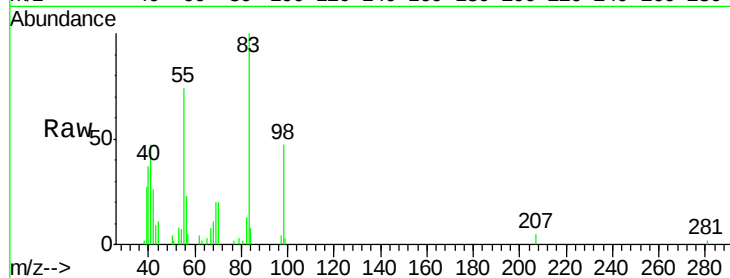




#39
Methvlcvclohexane
Concen: 2.875 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

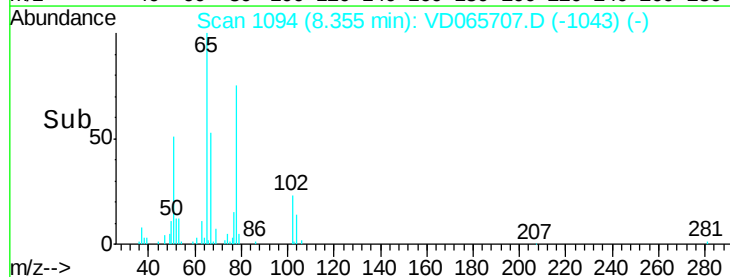
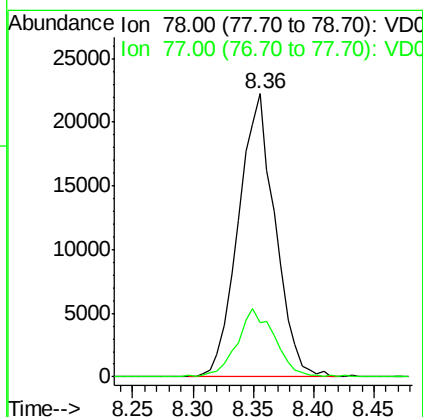
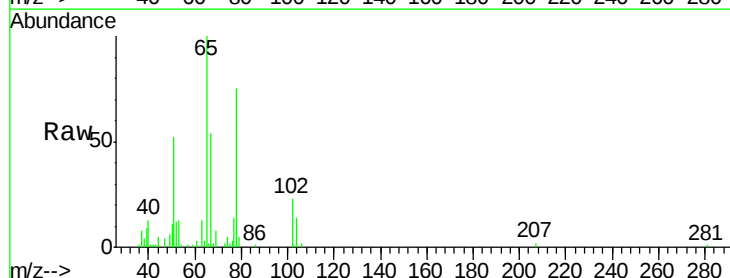
Instrument :
MSVOA_D
ClientSampleId :
VD0307

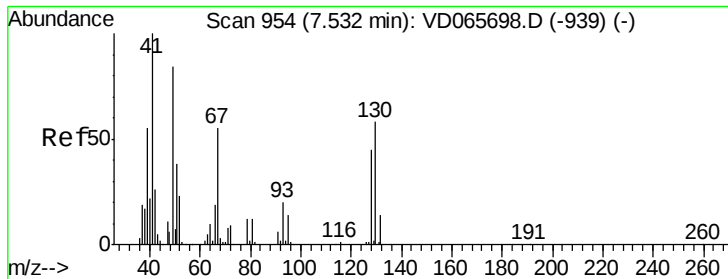
Tot Ion: 83 Resp: 22993
Ion Ratio Lower Upper
83 100
55 71.3 66.0 99.0
98 47.0 41.0 61.4



#40
Benzene
Concen: 2.715 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 78 Resp: 47232
Ion Ratio Lower Upper
78 100
77 19.4 19.6 29.4#





#41

Methacrylonitrile

Concen: 2.268 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 41 Resp: 4013

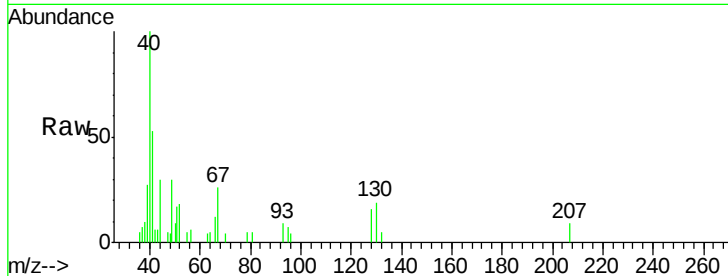
Ion Ratio Lower Upper

41 100

39 69.1 52.5 78.7

67 90.6 59.4 89.0#

52 44.4 25.6 38.4#

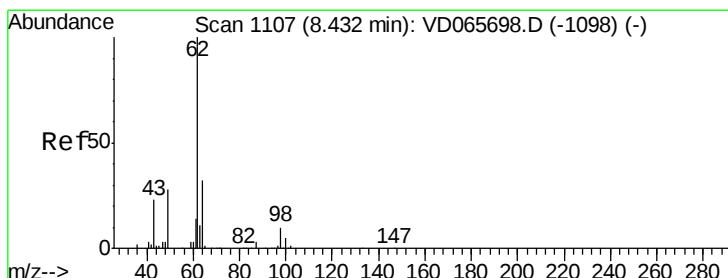
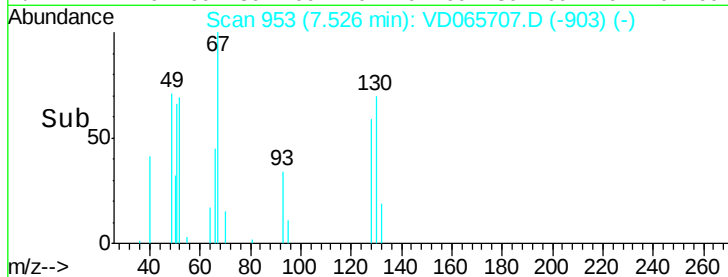
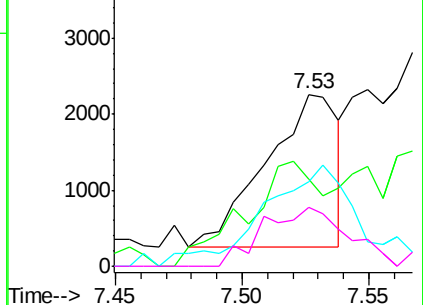


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 2.769 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065707.D

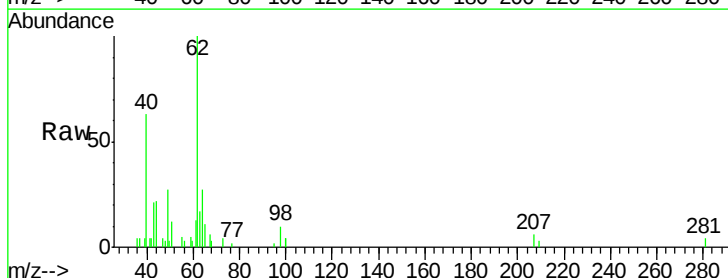
Acq: 07 May 2020 12:29

Tgt Ion: 62 Resp: 13865

Ion Ratio Lower Upper

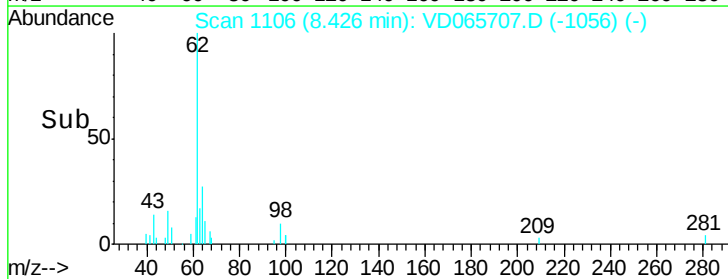
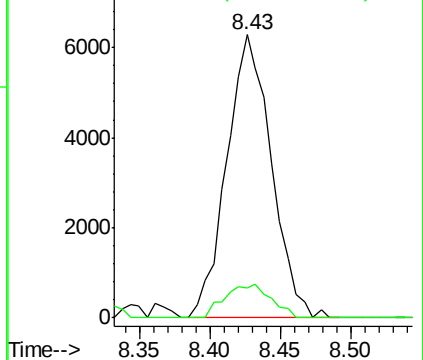
62 100

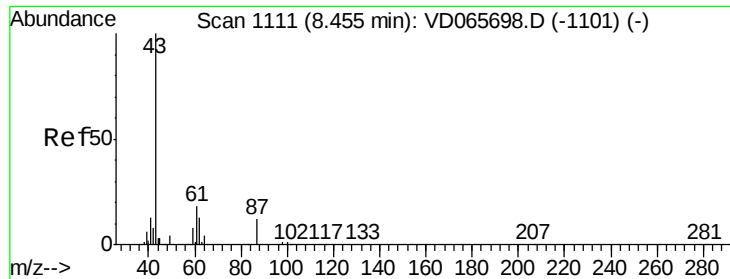
98 12.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 2.509 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleID :

VD0307

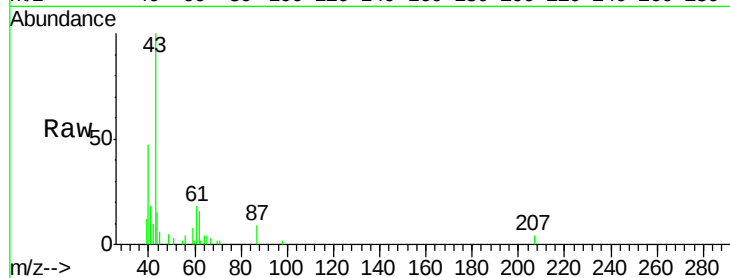
Tot Ion: 43 Resp: 15392

Ion Ratio Lower Upper

43 100

61 27.1 21.9 32.9

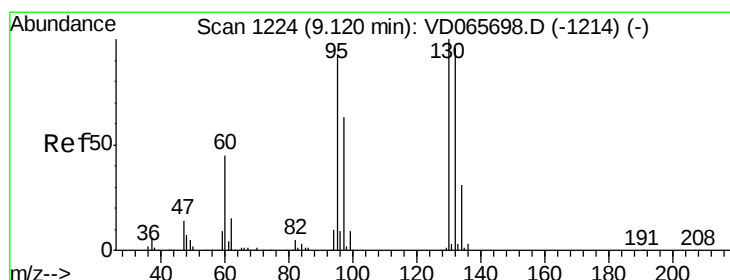
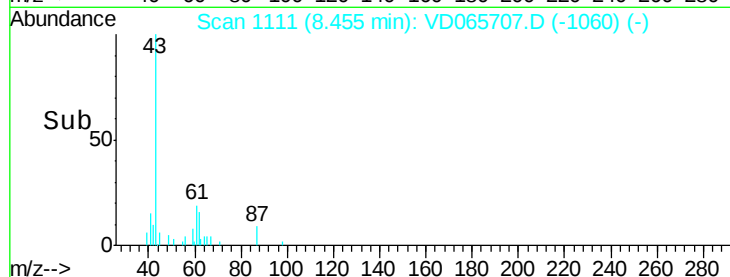
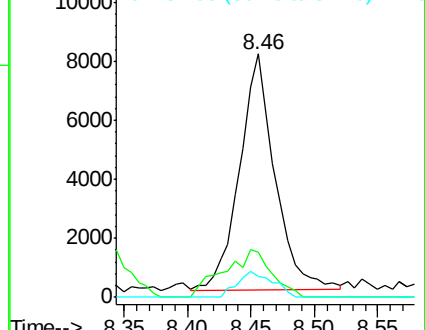
87 10.8 9.4 14.2



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: 2.753 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065707.D

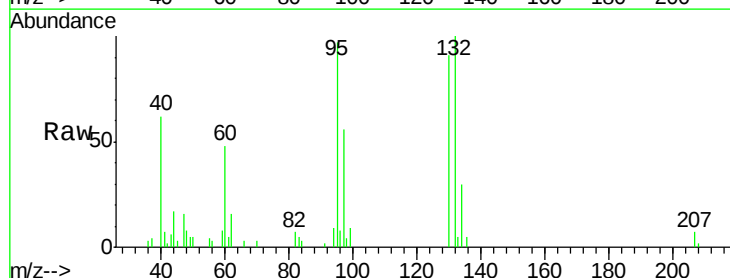
Acq: 07 May 2020 12:29

Tgt Ion: 130 Resp: 13200

Ion Ratio Lower Upper

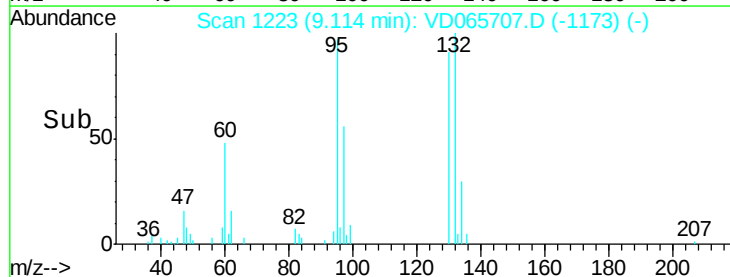
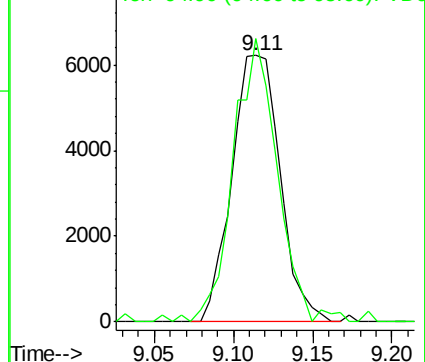
130 100

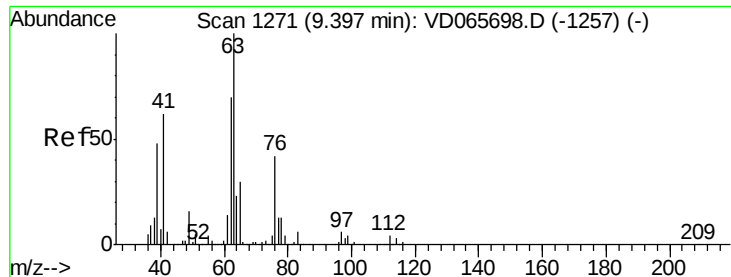
95 106.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 2.537 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

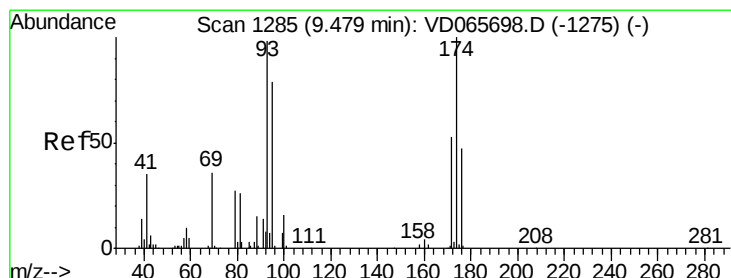
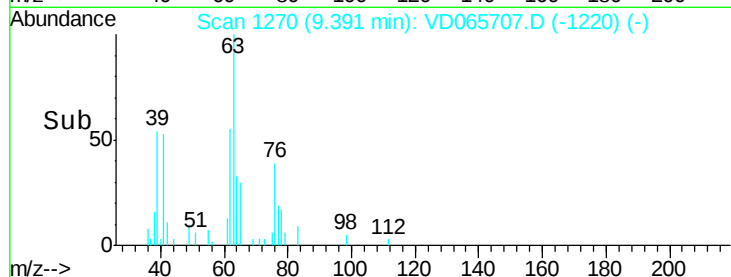
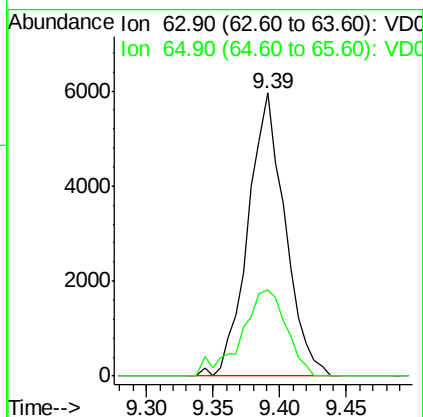
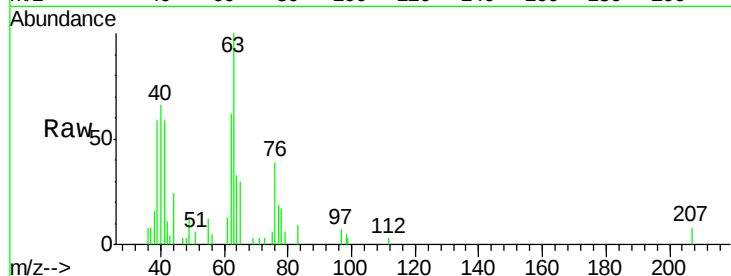
VD0307

Tot Ion: 63 Resp: 11414

Ion Ratio Lower Upper

63 100

65 30.3 24.1 36.1



#46

Dibromomethane

Concen: 2.677 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

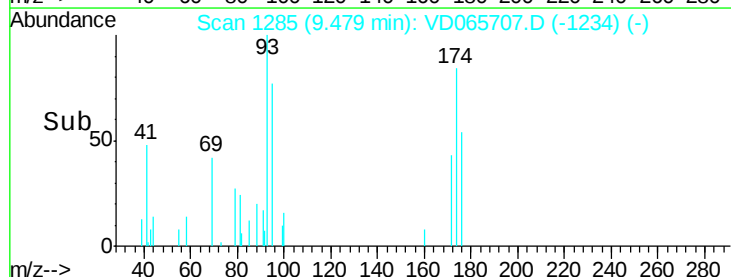
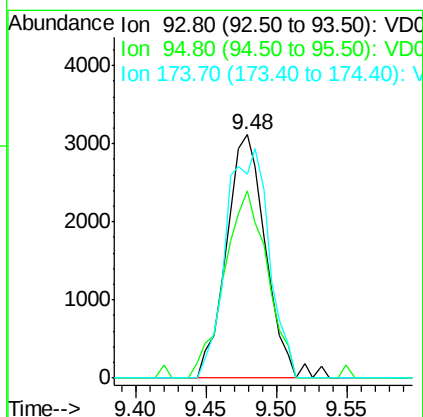
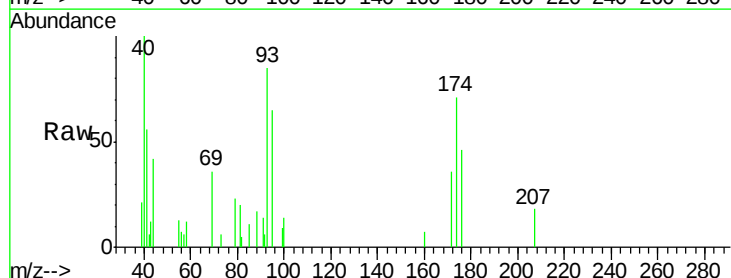
Tgt Ion: 93 Resp: 6041

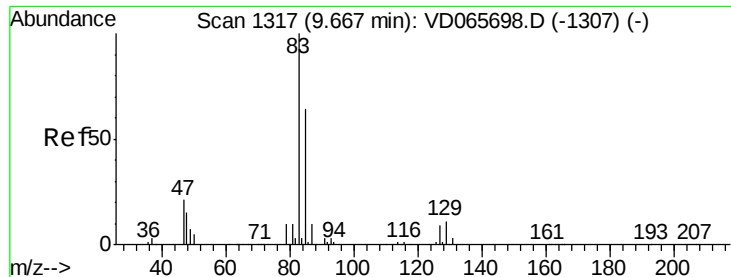
Ion Ratio Lower Upper

93 100

95 84.4 65.3 97.9

174 103.1 82.7 124.1

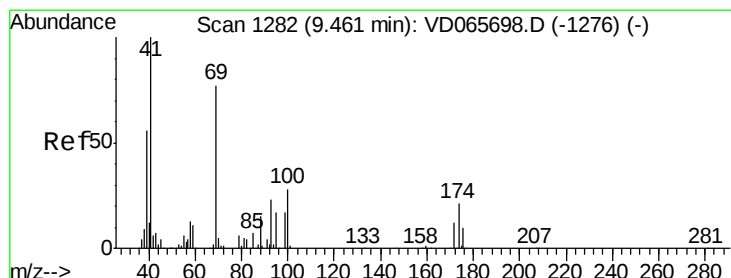
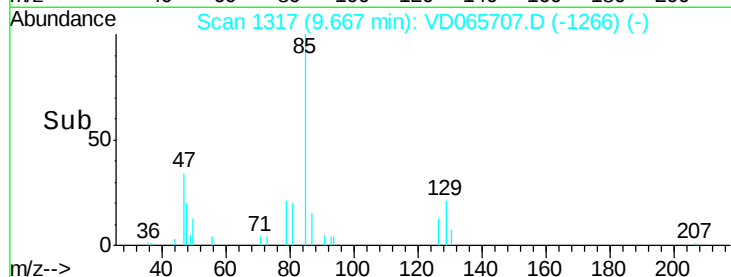
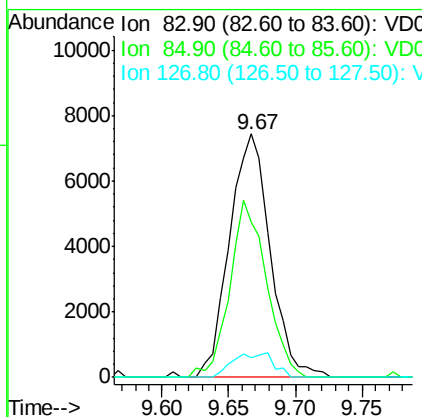
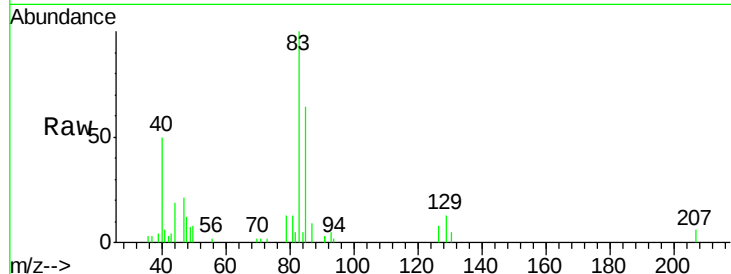




#47
Bromodichloromethane
Concen: 2.607 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

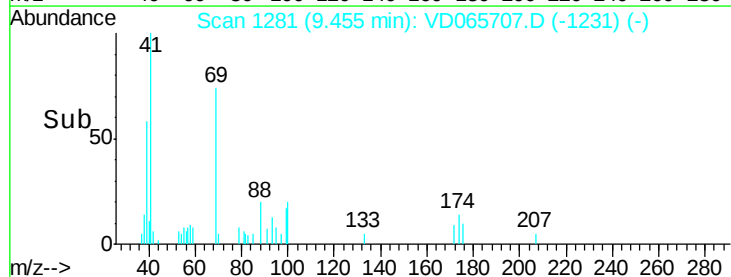
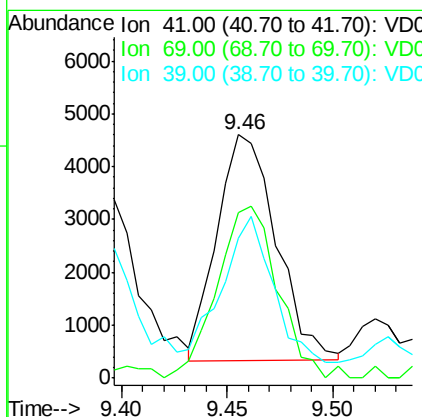
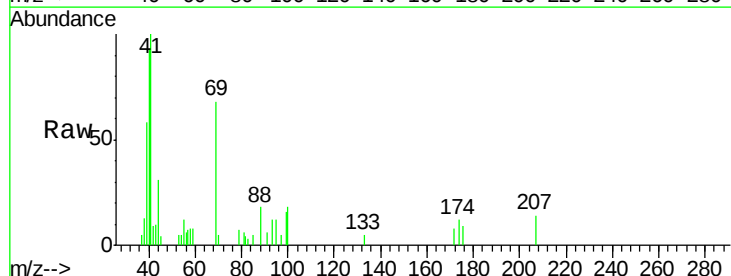
Instrument :
MSVOA_D
ClientSampleId :
VD0307

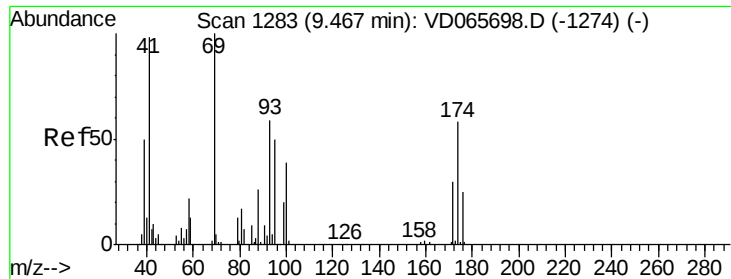
Tot Ion: 83 Resp: 15736
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3
127 8.3 6.9 10.3



#48
Methyl methacrylate
Concen: 2.711 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 41 Resp: 8326
Ion Ratio Lower Upper
41 100
69 78.0 58.2 87.2
39 55.3 43.3 64.9

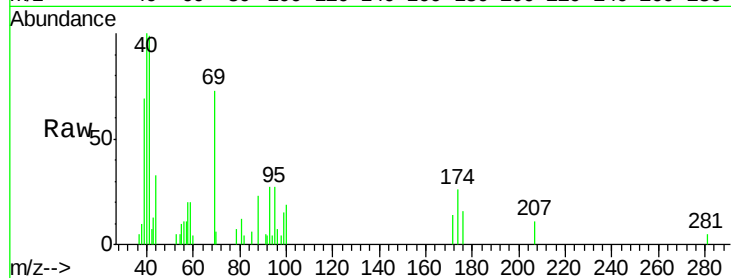




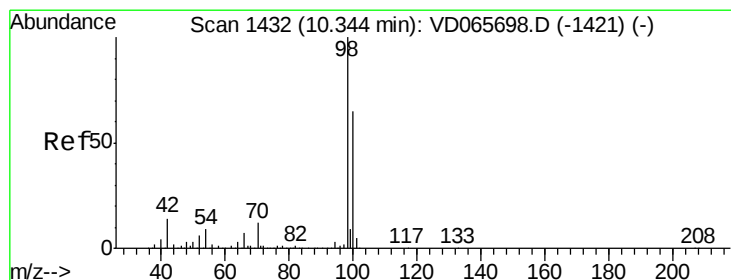
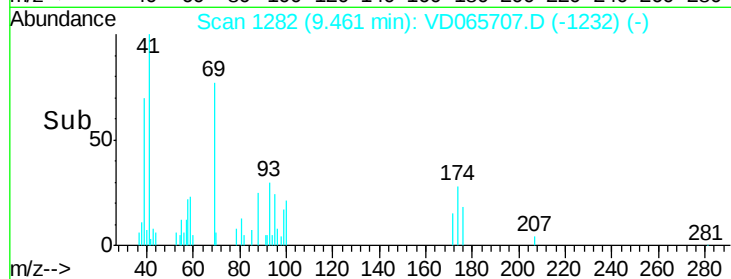
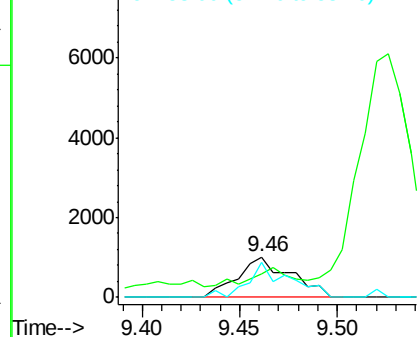
#49
1,4-Dioxane
Concen: 67.735 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion: 88 Resp: 1874
Ion Ratio Lower Upper
88 100
43 31.2 31.6 47.4#
58 68.6 60.2 90.4

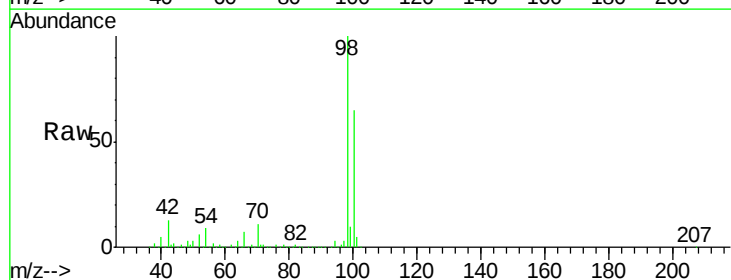


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

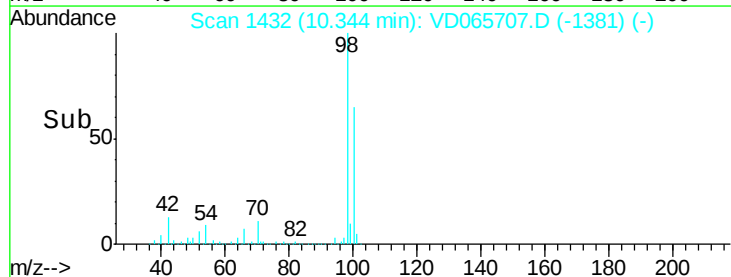
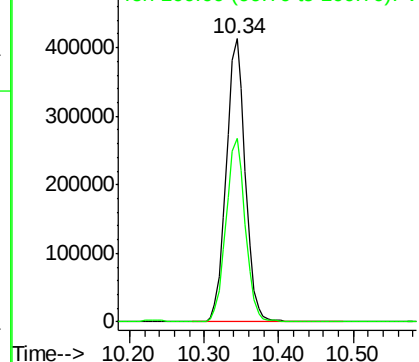


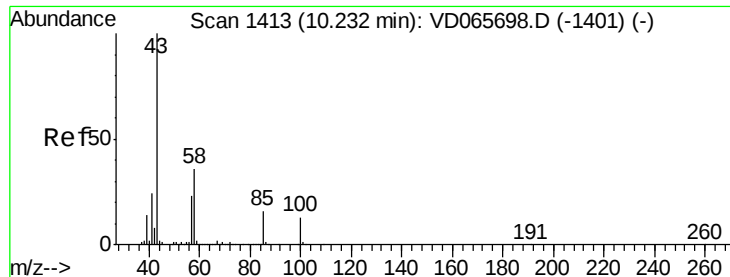
#50
Toluene-d8
Concen: 47.700 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 98 Resp: 734441
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



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

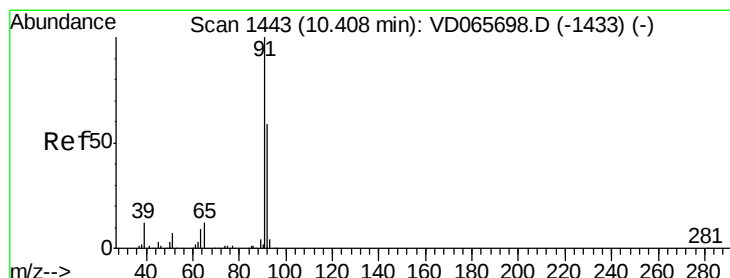
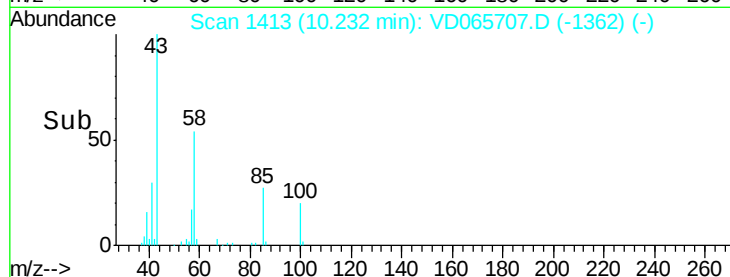
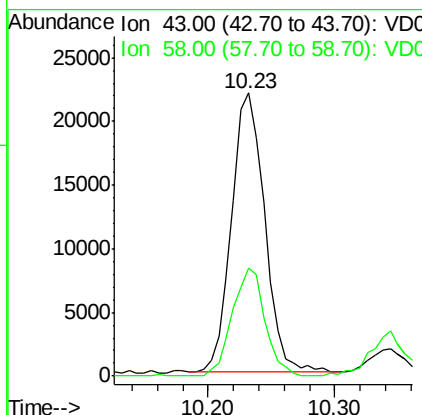
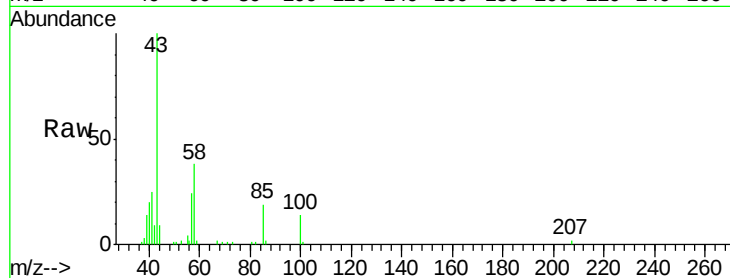




#51
 4-Methyl-2-Pentanone
 Concen: 13.450 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

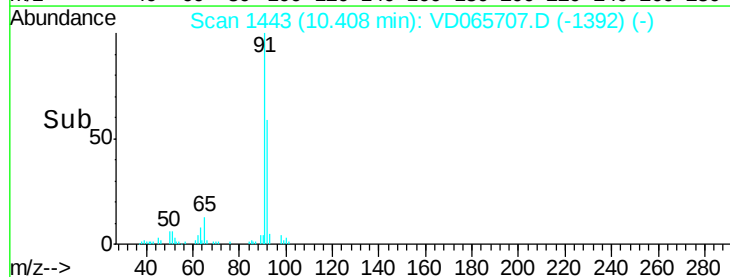
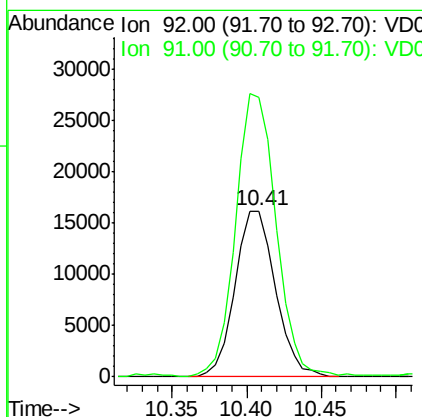
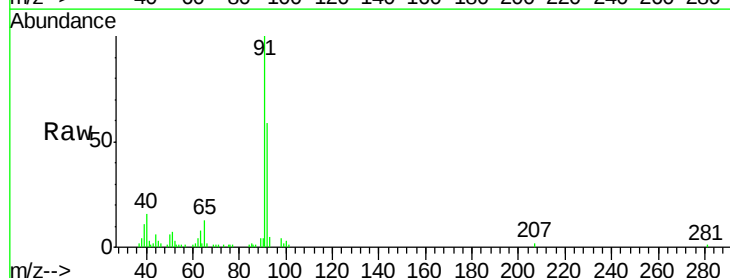
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0307

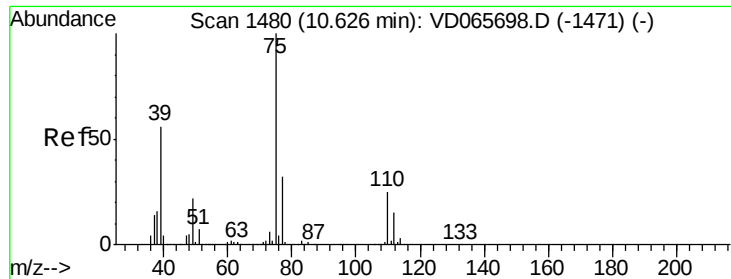
Tot Ion: 43 Resp: 39764
 Ion Ratio Lower Upper
 43 100
 58 37.8 28.6 42.8



#52
 Toluene
 Concen: 2.771 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 92 Resp: 30485
 Ion Ratio Lower Upper
 92 100
 91 171.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 2.578 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

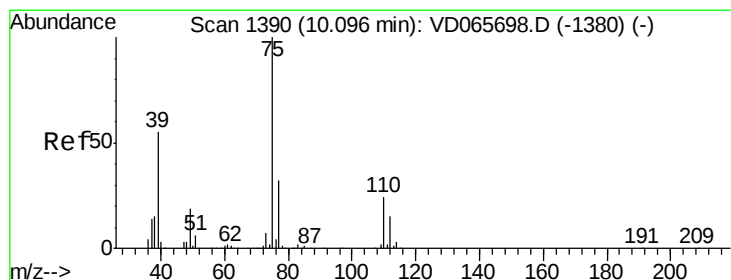
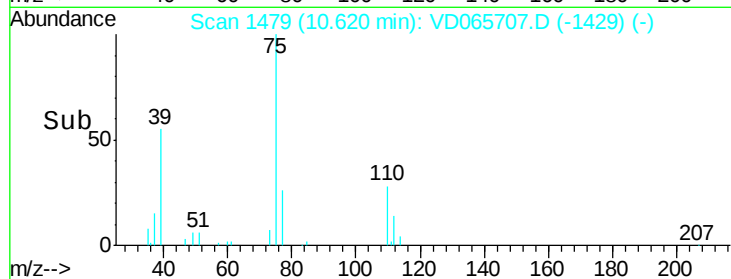
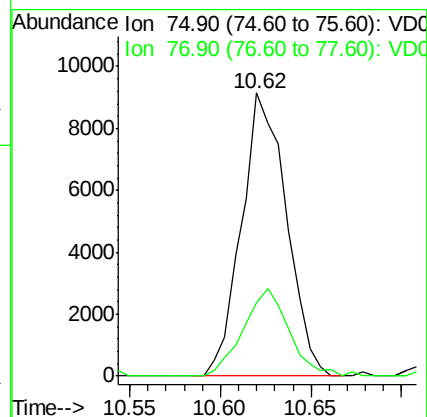
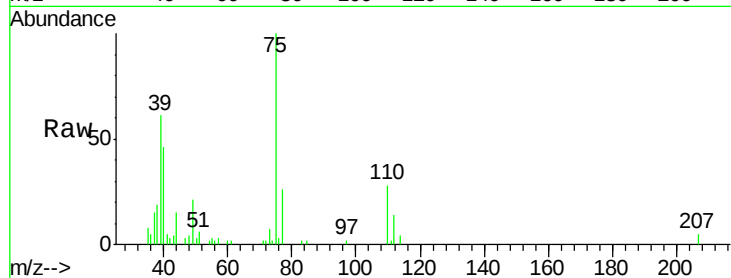
VD0307

Tot Ion: 75 Resp: 15760

Ion Ratio Lower Upper

75 100

77 25.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 2.632 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

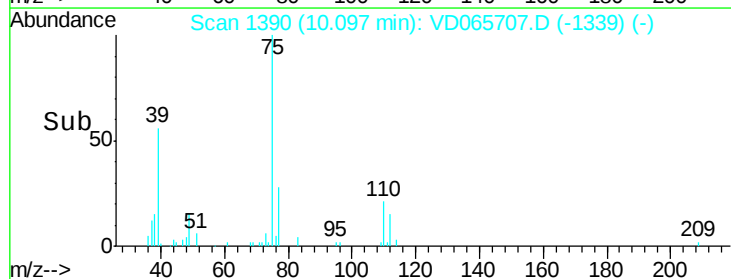
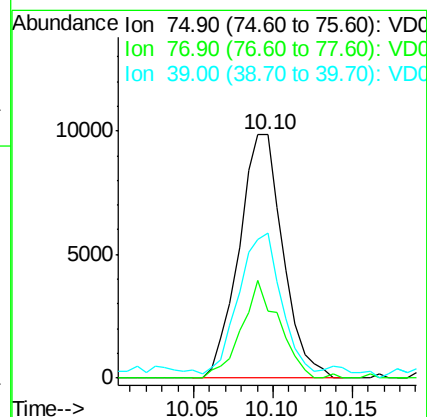
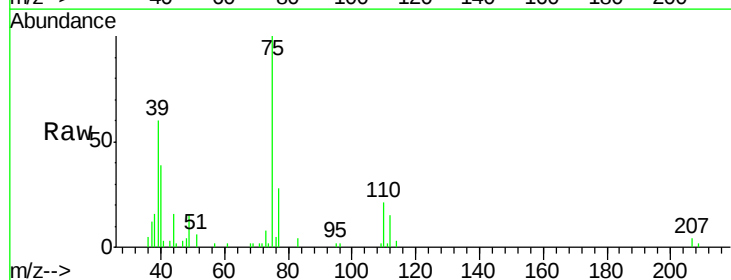
Tgt Ion: 75 Resp: 18953

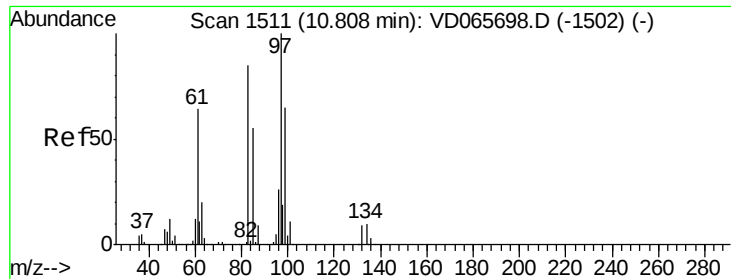
Ion Ratio Lower Upper

75 100

77 27.6 25.8 38.8

39 56.2 44.4 66.6

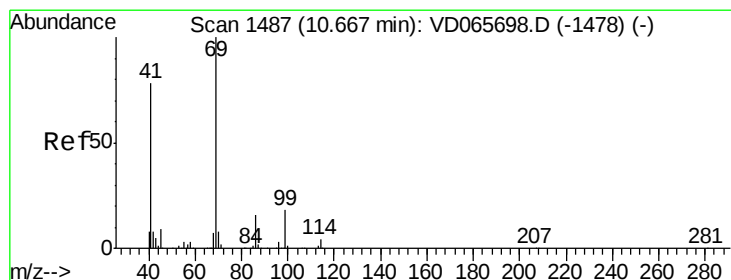
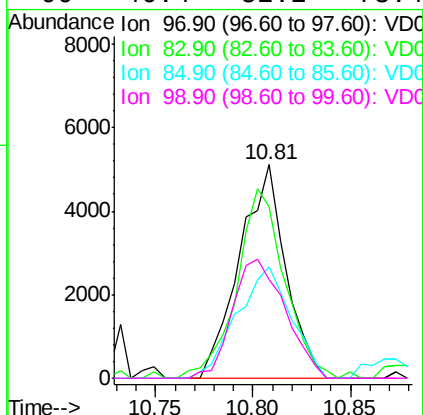
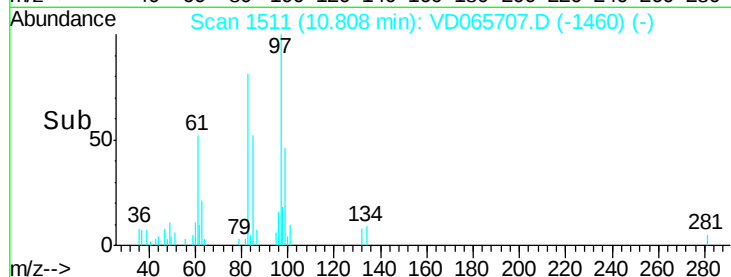
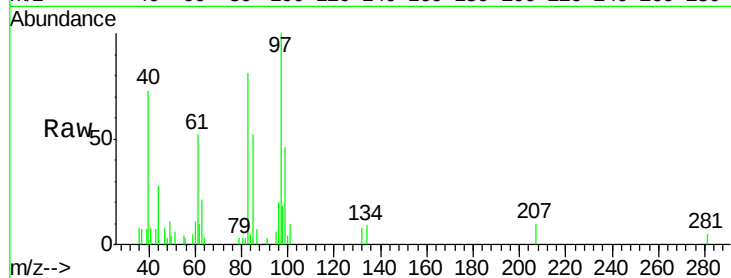




#55
 1,1,2-Trichloroethane
 Concen: 2.751 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

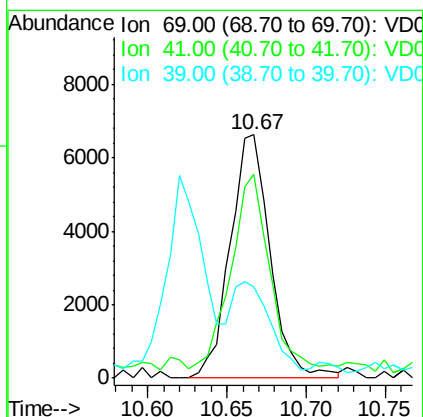
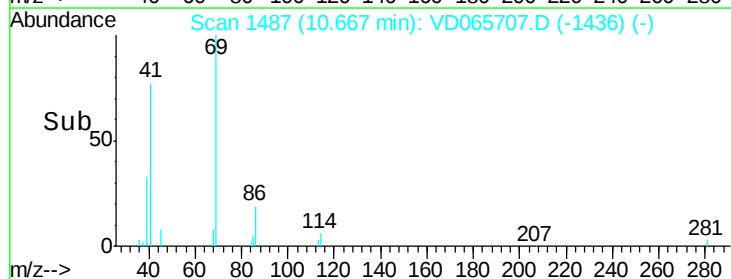
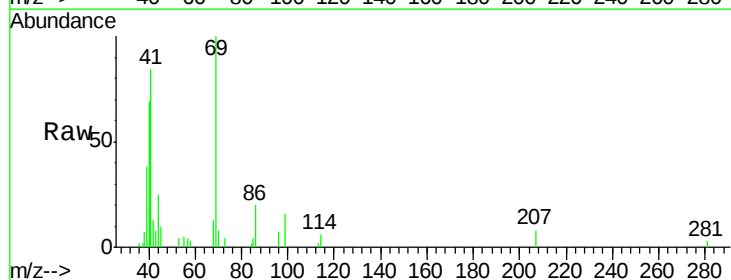
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

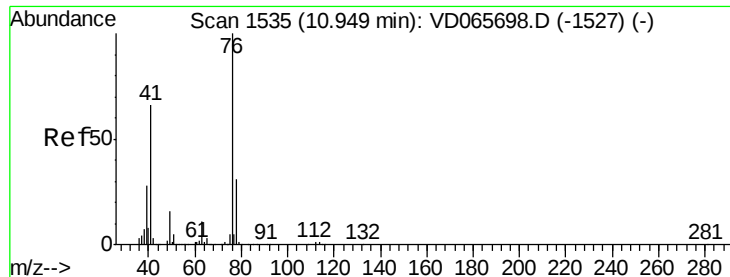
Tot Ion: 97 Resp: 8370
 Ion Ratio Lower Upper
 97 100
 83 80.6 68.2 102.4
 85 52.1 43.6 65.4
 99 46.4 52.2 78.4#



#56
 Ethyl methacrylate
 Concen: 2.644 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 69 Resp: 11617
 Ion Ratio Lower Upper
 69 100
 41 75.2 61.4 92.0
 39 33.0 32.7 49.1

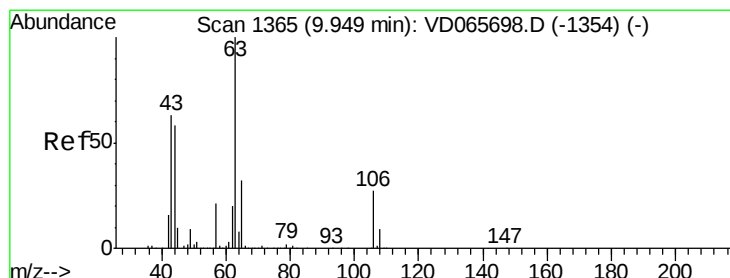
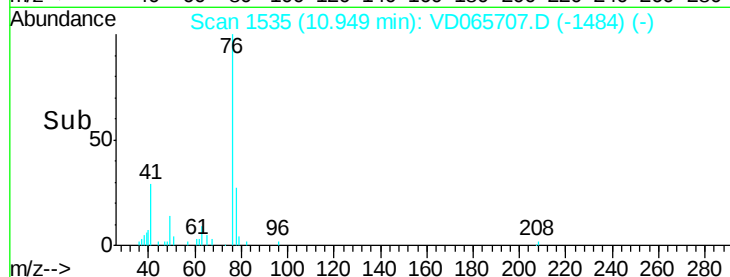
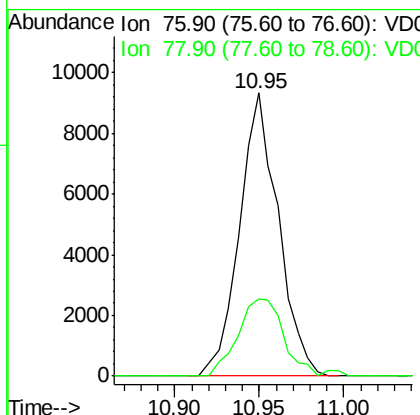
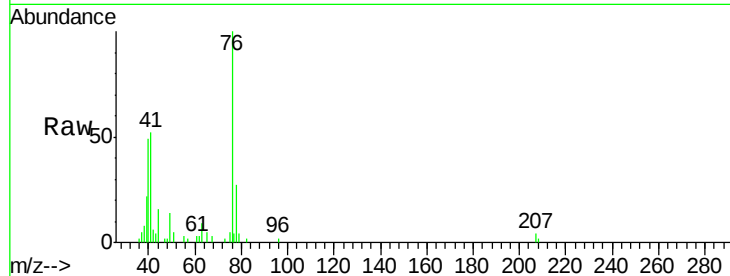




#57
 1,3-Dichloropropane
 Concen: 2.725 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

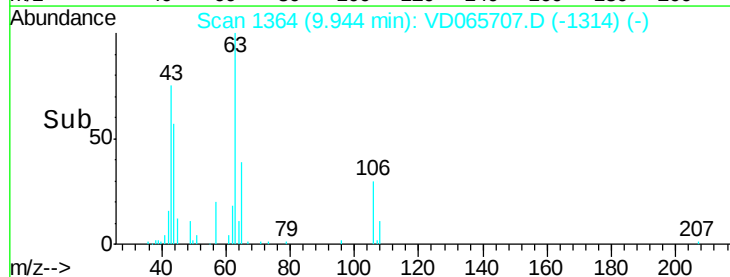
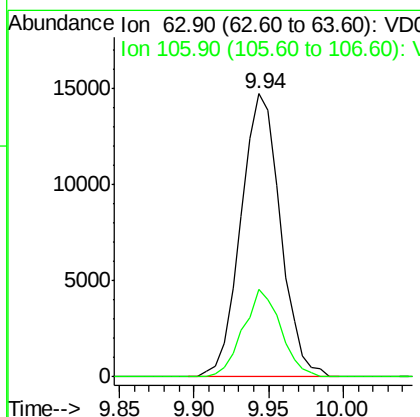
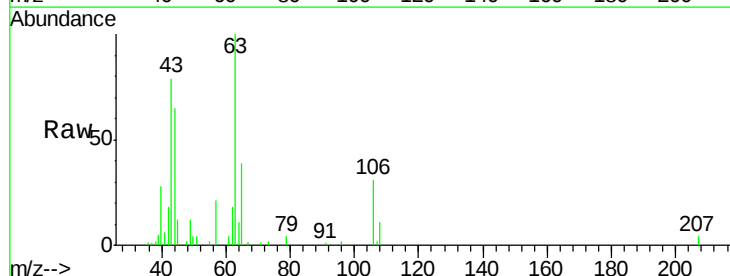
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

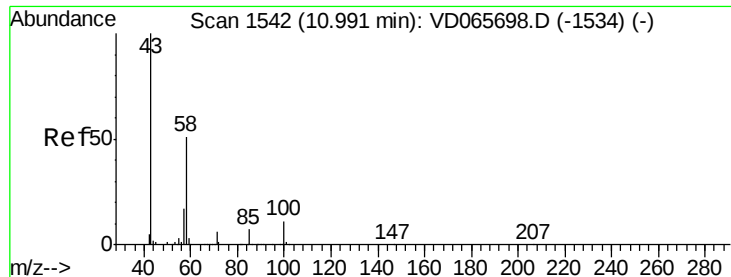
Tot Ion: 76 Resp: 14909
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.377 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 63 Resp: 26981
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.0 33.0

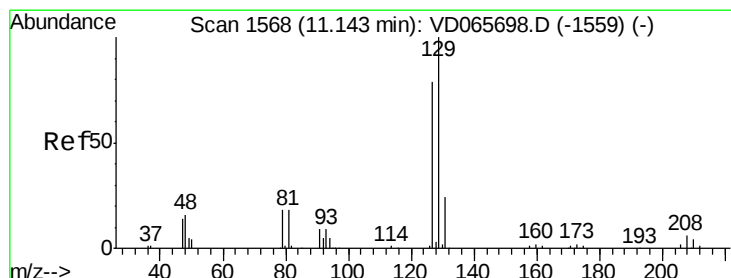
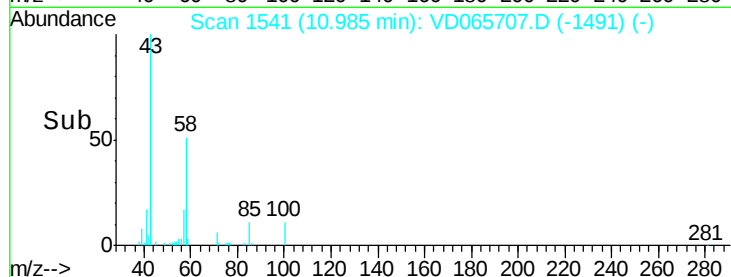
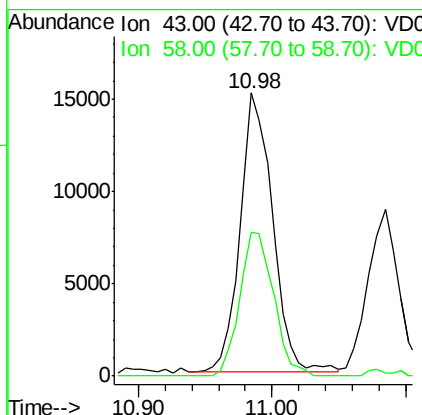
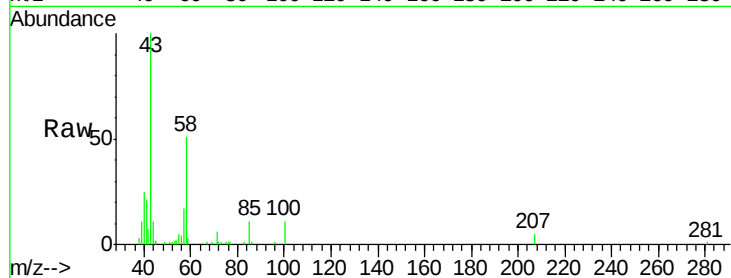




#59
2-Hexanone
Concen: 12.414 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

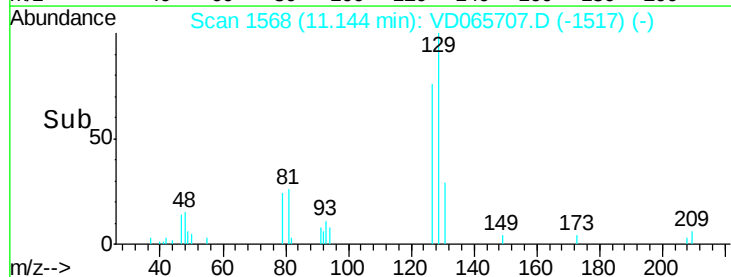
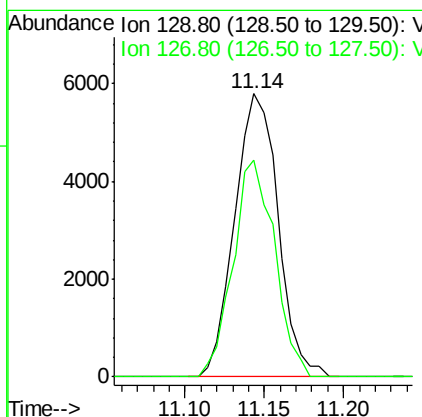
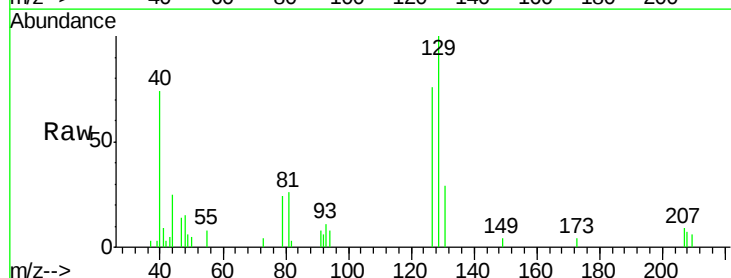
Instrument :
MSVOA_D
ClientSampleId :
VD0307

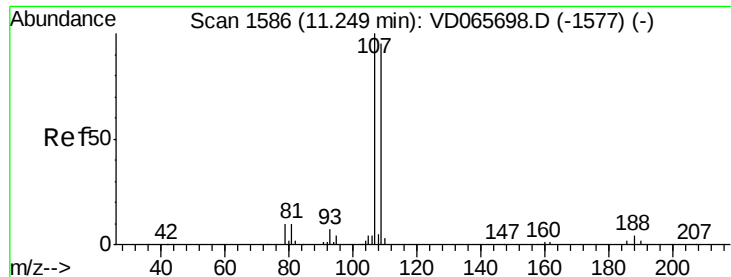
Tot Ion: 43 Resp: 25244
Ion Ratio Lower Upper
43 100
58 54.1 25.4 76.0



#60
Dibromochloromethane
Concen: 2.699 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion: 129 Resp: 11031
Ion Ratio Lower Upper
129 100
127 73.1 38.9 116.6

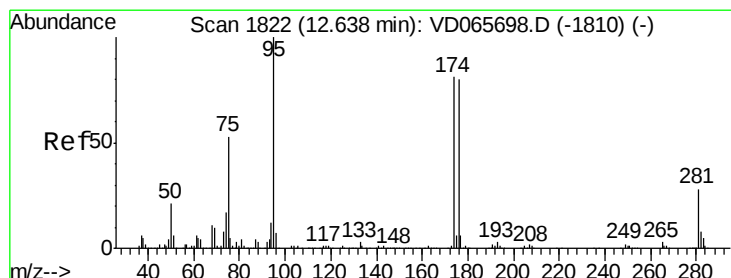
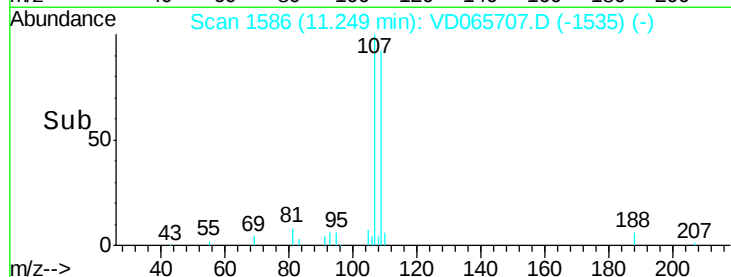
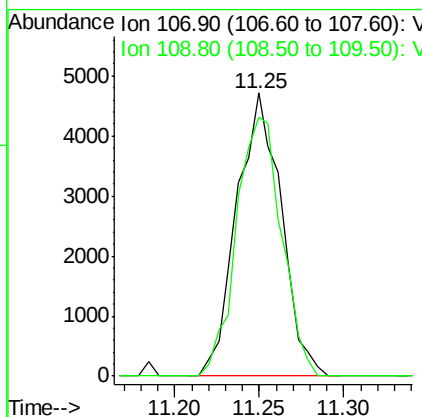
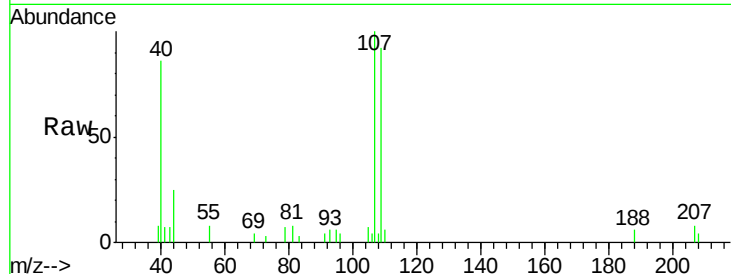




#61
 1,2-Dibromoethane
 Concen: 2.819 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

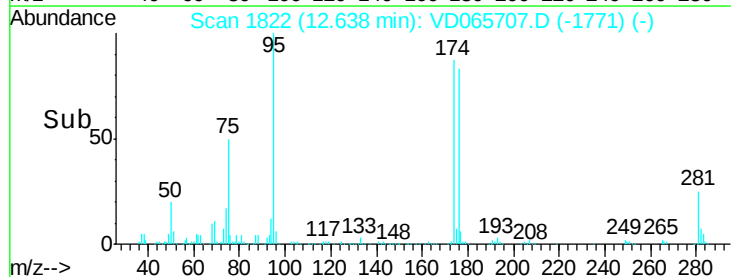
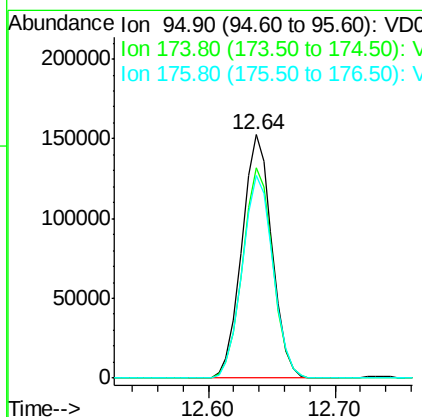
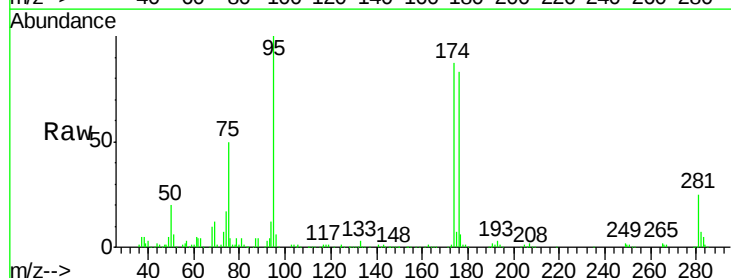
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

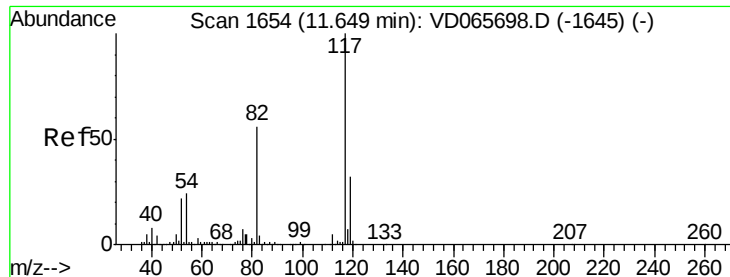
Tot Ion: 107 Resp: 8630
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 45.923 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 95 Resp: 250665
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 162.6
 176 85.3 0.0 159.0

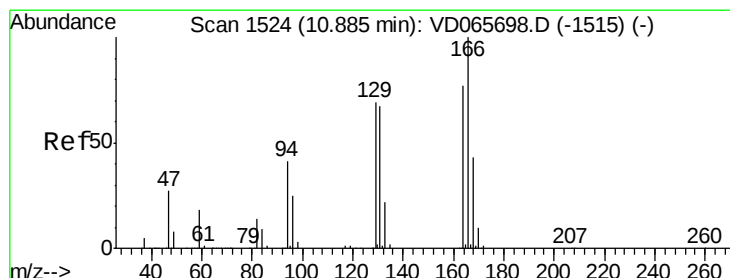
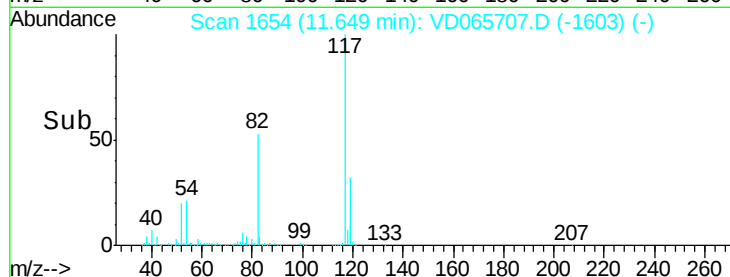
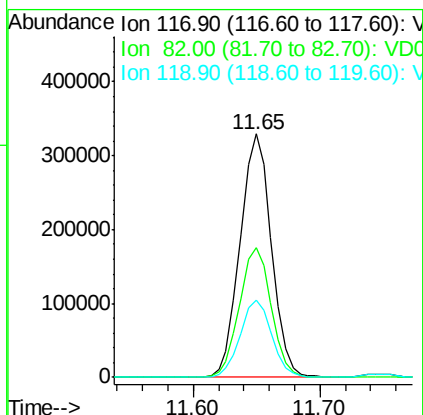
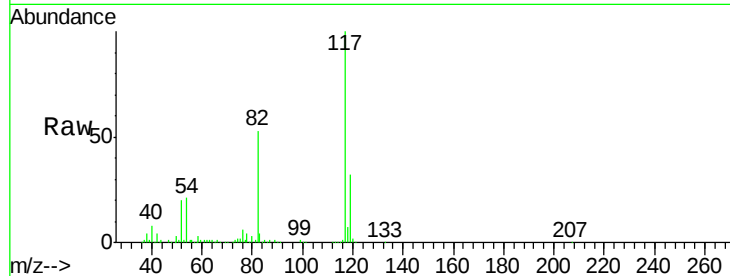




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

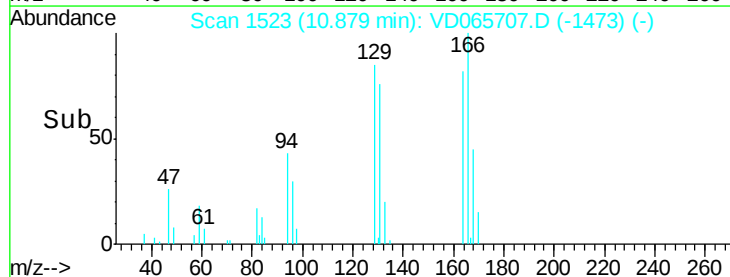
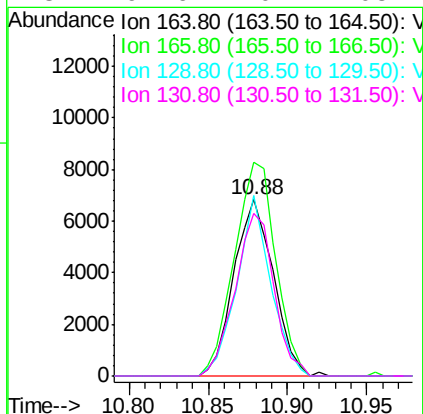
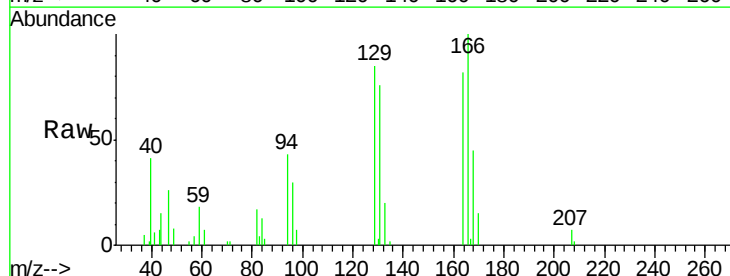
Instrument :
MSVOA_D
ClientSampleId :
VD0307

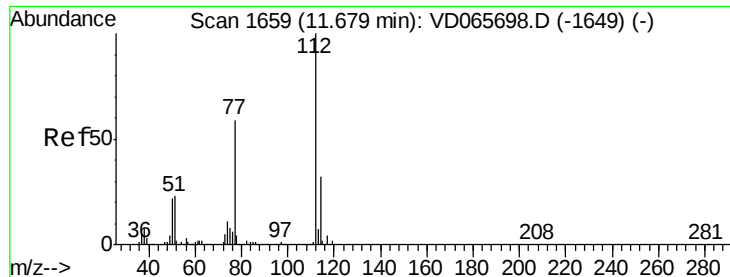
Tot Ion:117 Resp: 565786
Ion Ratio Lower Upper
117 100
82 53.2 44.9 67.3
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 2.944 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion:164 Resp: 11854
Ion Ratio Lower Upper
164 100
166 121.3 104.3 156.5
129 102.7 71.9 107.9
131 92.6 70.2 105.2





#65

Chlorobenzene

Concen: 2.789 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

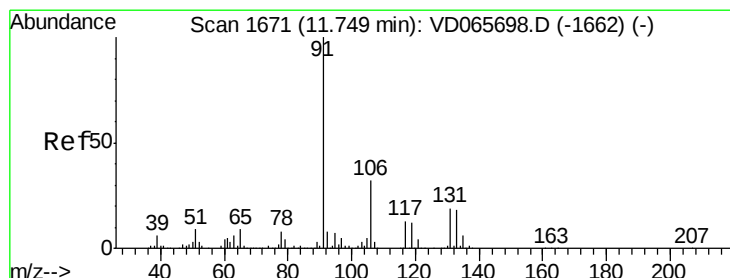
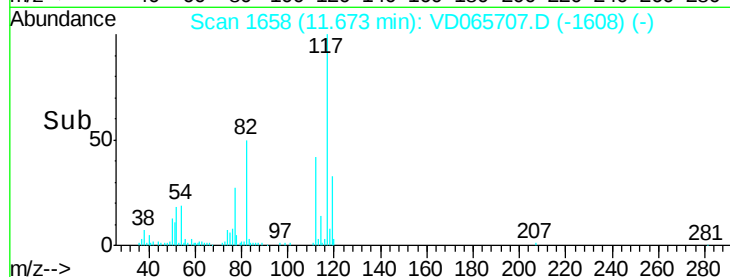
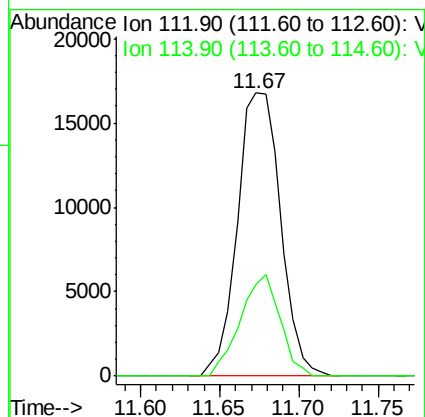
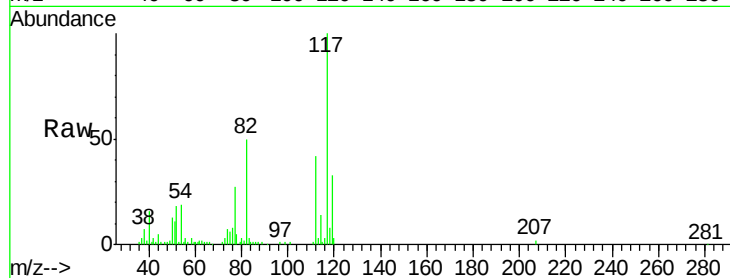
VD0307

Tot Ion:112 Resp: 31787

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 2.668 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

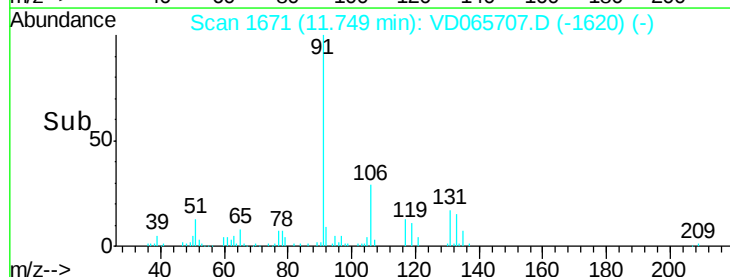
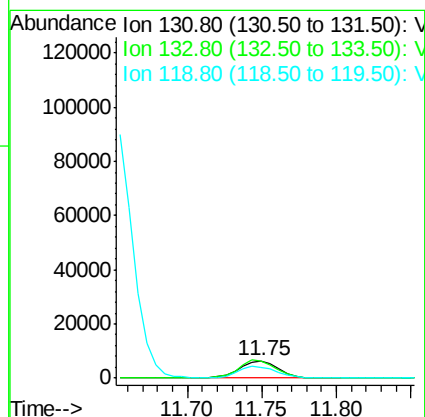
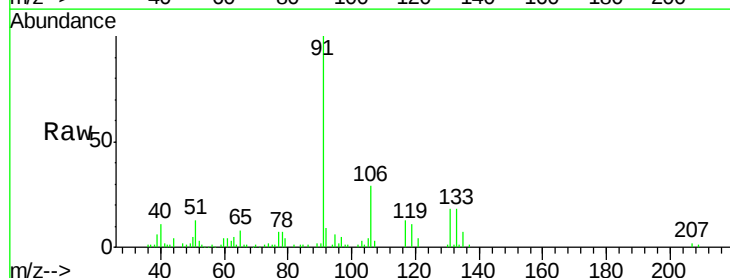
Tgt Ion:131 Resp: 11339

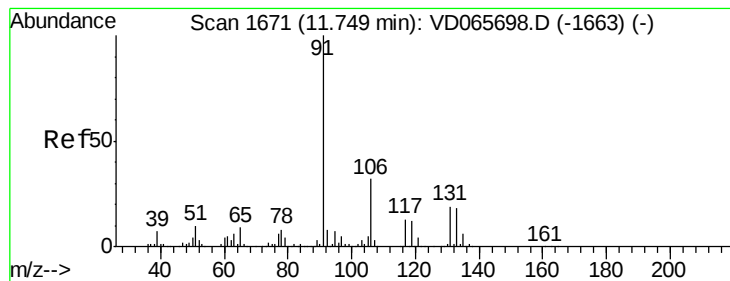
Ion Ratio Lower Upper

131 100

133 103.9 47.3 141.8

119 69.1 31.8 95.4





#67

Ethyl Benzene

Concen: 2.701 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

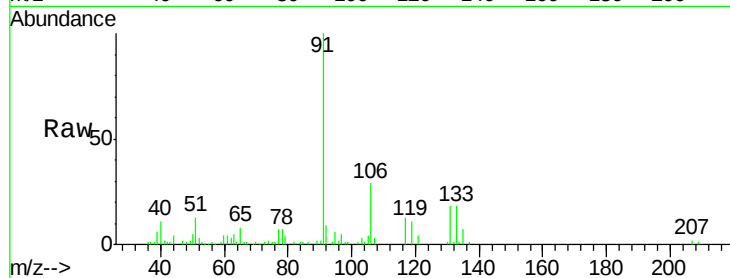
VD0307

Tot Ion: 91 Resp: 57447

Ion Ratio Lower Upper

91 100

106 29.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

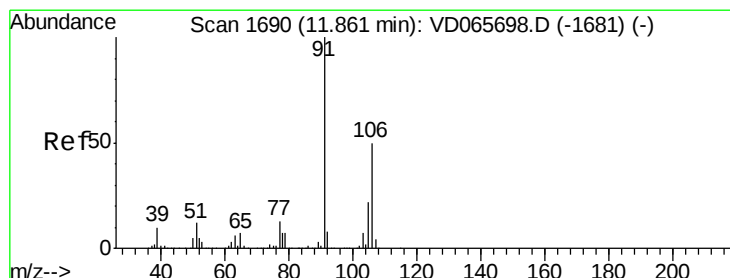
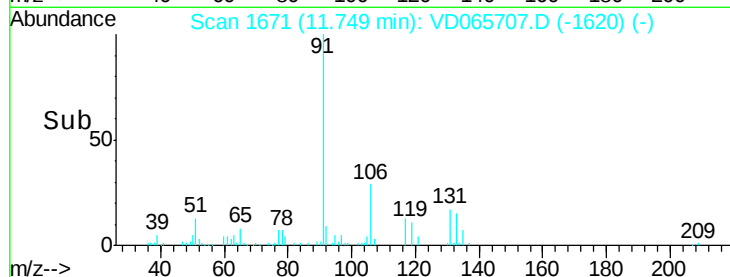
Ion 106.00 (105.70 to 106.70): VDC

Time-->

11.75

11.75

11.80



#68

m/p-Xylenes

Concen: 5.528 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065707.D

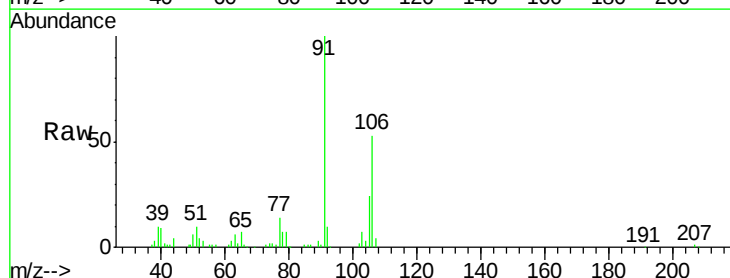
Acq: 07 May 2020 12:29

Tgt Ion: 106 Resp: 43824

Ion Ratio Lower Upper

106 100

91 198.2 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): VDC

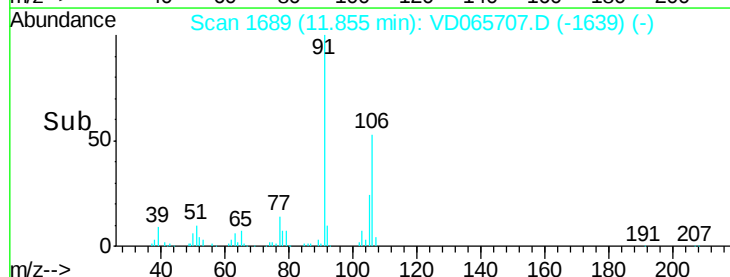
Ion 91.00 (90.70 to 91.70): VDC

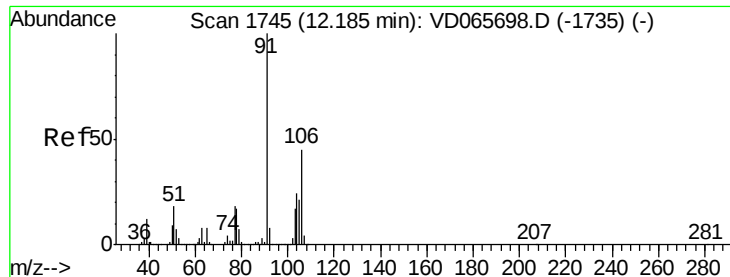
Time-->

11.86

11.86

11.90

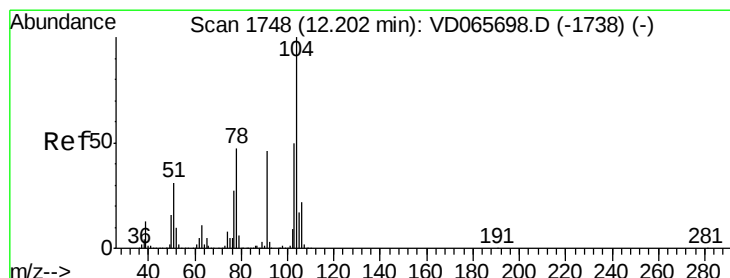
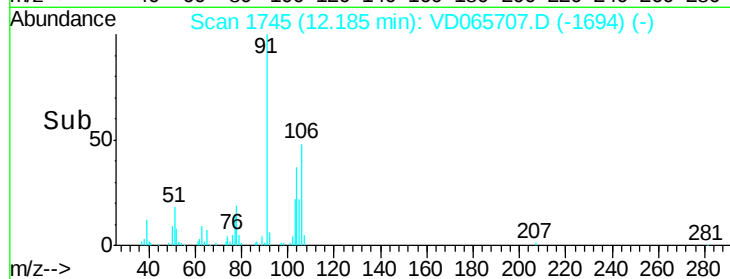
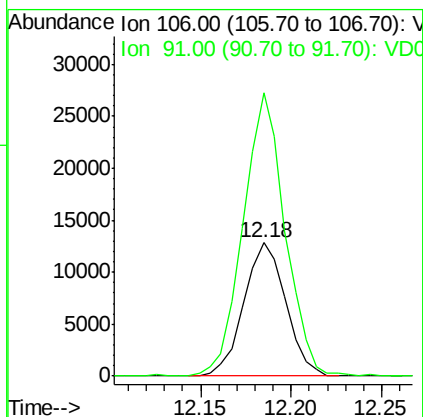
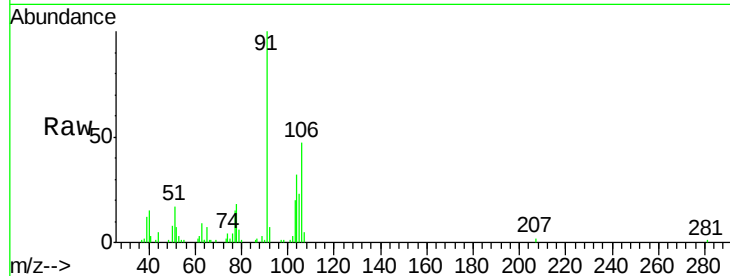




#69
o-Xylene
Concen: 2.791 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

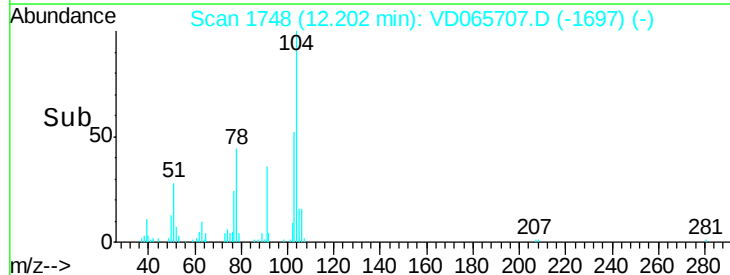
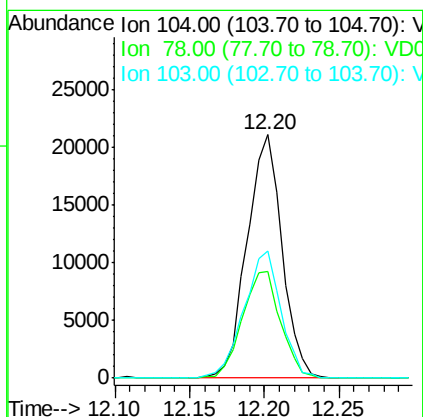
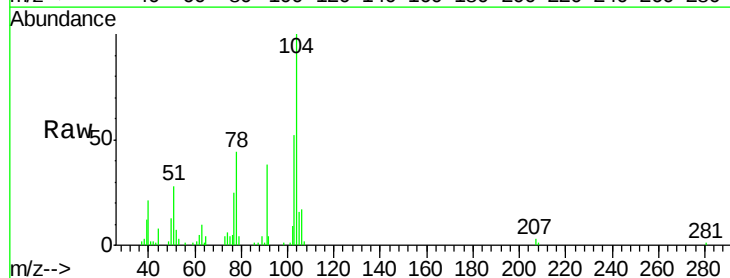
Instrument :
MSVOA_D
ClientSampleId :
VD0307

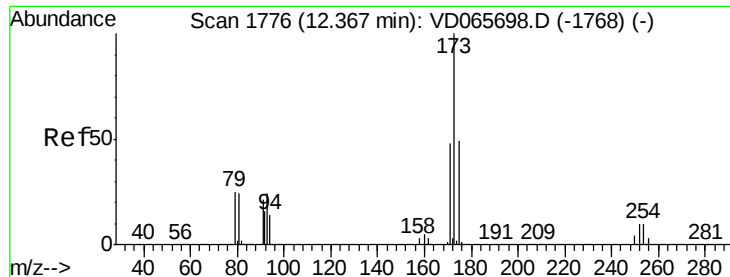
Tot Ion:106 Resp: 20648
Ion Ratio Lower Upper
106 100
91 212.0 107.9 323.7



#70
Styrene
Concen: 2.689 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion:104 Resp: 34196
Ion Ratio Lower Upper
104 100
78 47.6 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 2.855 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampled :

VD0307

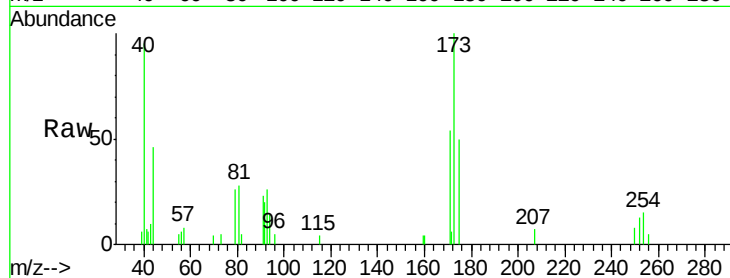
Tot Ion:173 Resp: 6827

Ion Ratio Lower Upper

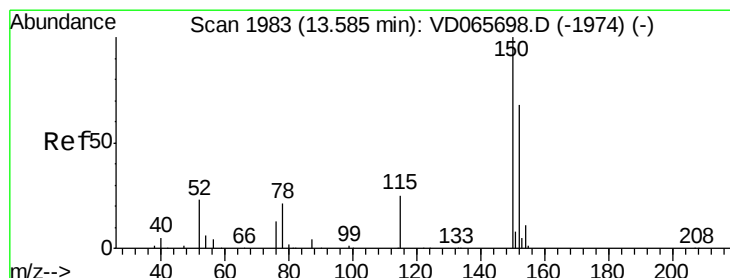
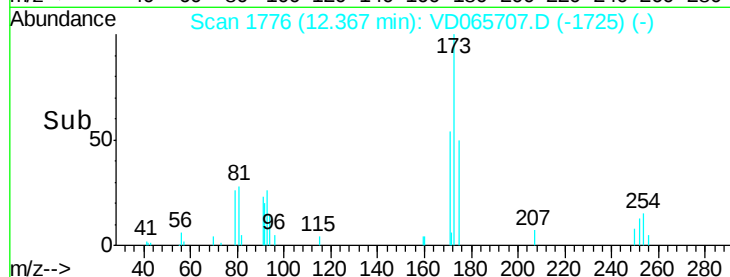
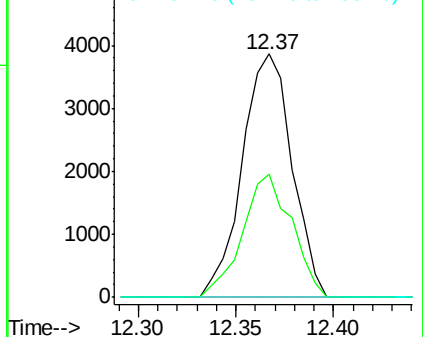
173 100

175 49.8 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: VD065707.D

Acq: 07 May 2020 12:29

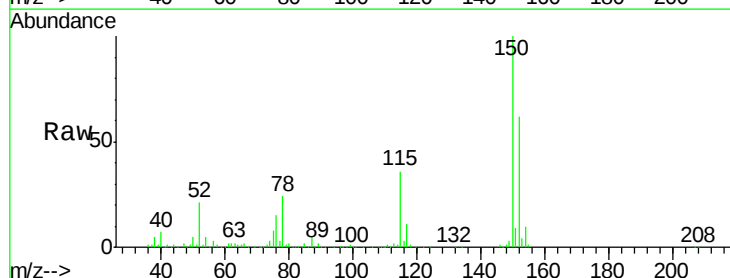
Tgt Ion:152 Resp: 271686

Ion Ratio Lower Upper

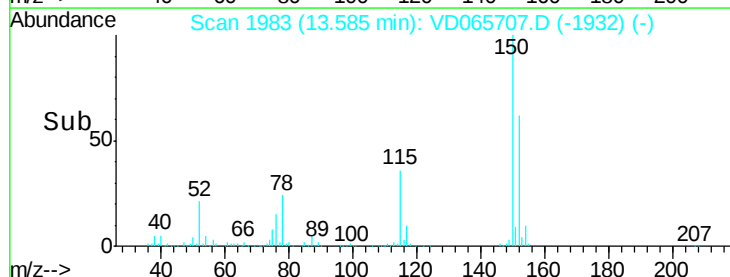
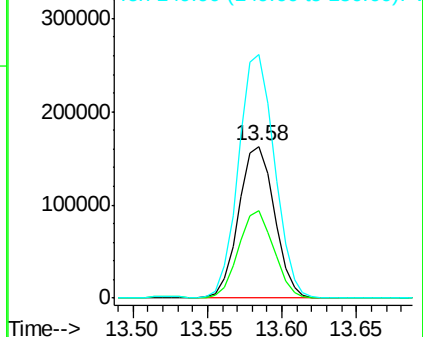
152 100

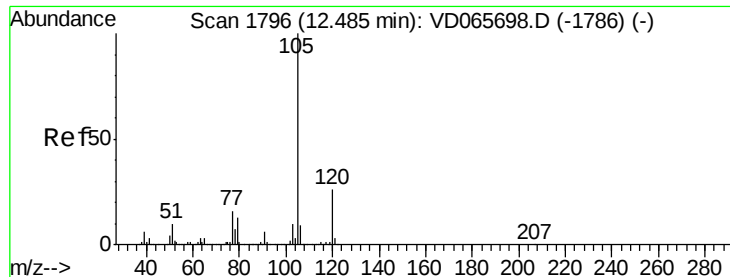
115 56.8 29.5 88.5

150 161.5 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: 2.673 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

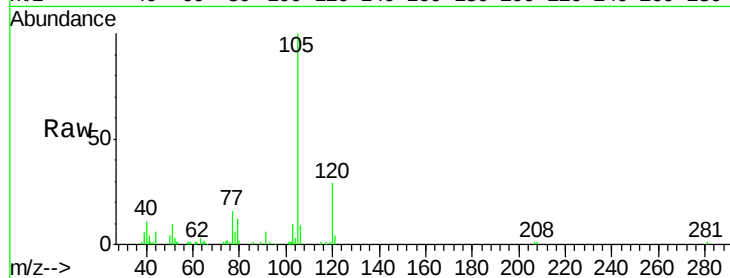
VD0307

Tot Ion:105 Resp: 55034

Ion Ratio Lower Upper

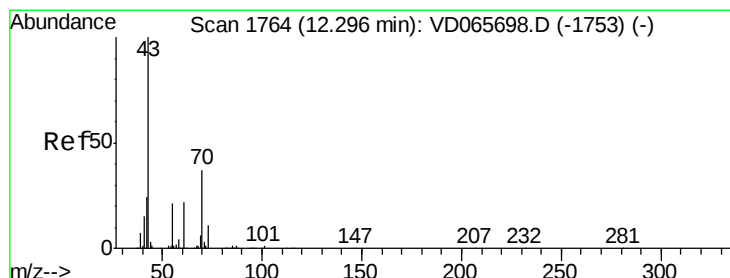
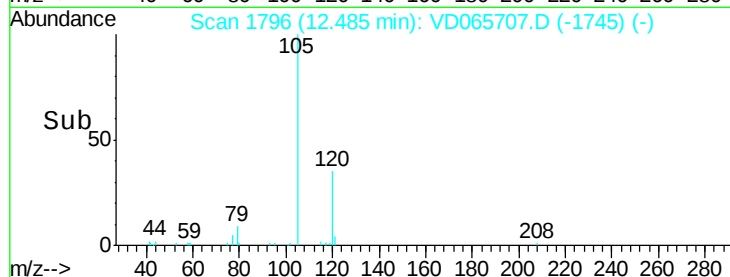
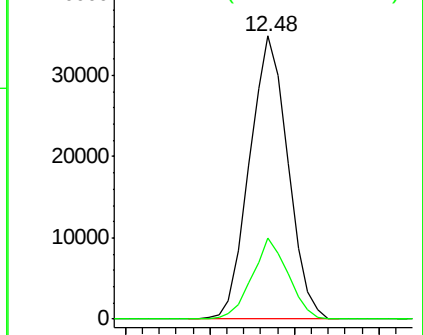
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.526 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Tgt Ion: 43 Resp: 14843

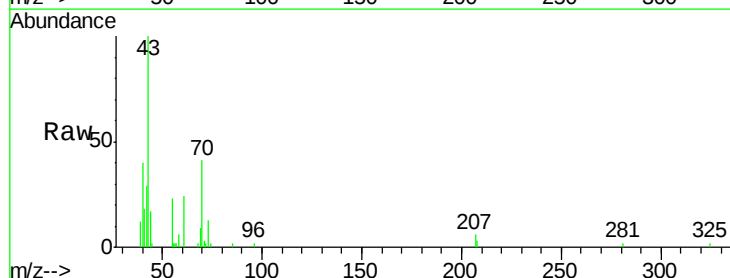
Ion Ratio Lower Upper

43 100

70 40.4 29.3 43.9

55 21.5 16.4 24.6

61 21.9 18.0 27.0

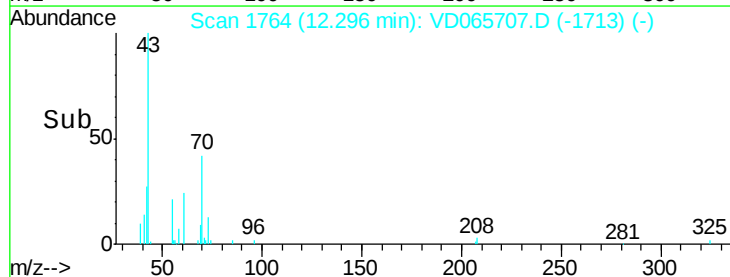
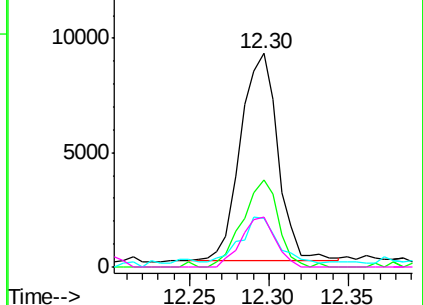


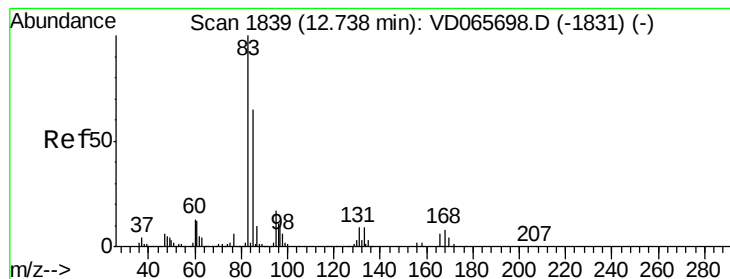
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.986 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

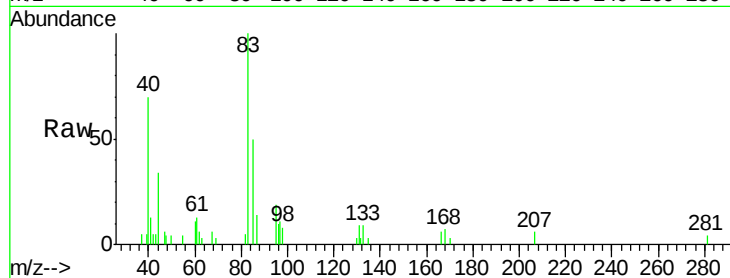
Tot Ion: 83 Resp: 10309

Ion Ratio Lower Upper

83 100

131 8.1 5.5 16.7

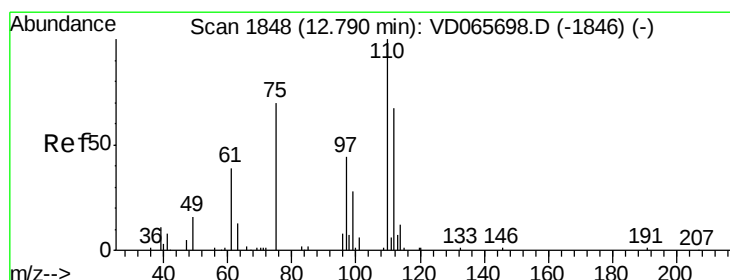
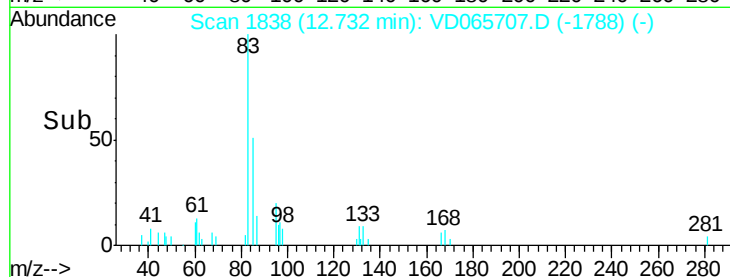
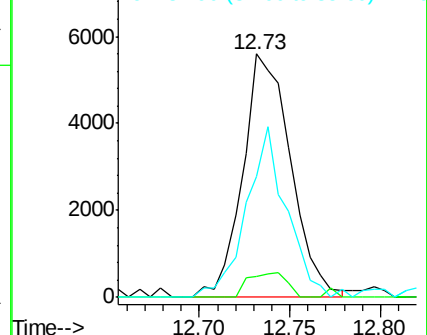
85 58.7 31.9 95.9



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



#76

1,2,3-Trichloropropane

Concen: 2.927 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065707.D

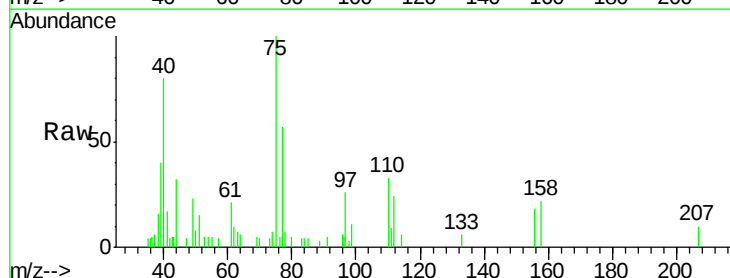
Acq: 07 May 2020 12:29

Tgt Ion: 75 Resp: 6717

Ion Ratio Lower Upper

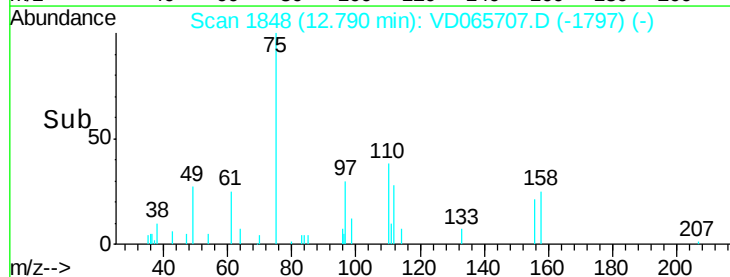
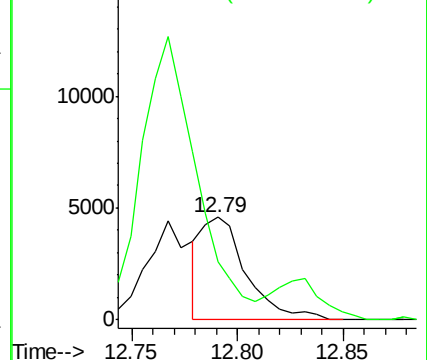
75 100

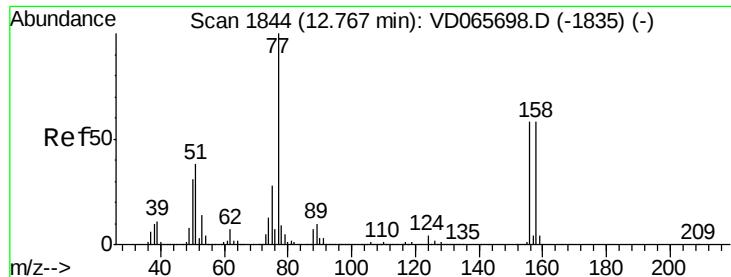
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 2.717 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

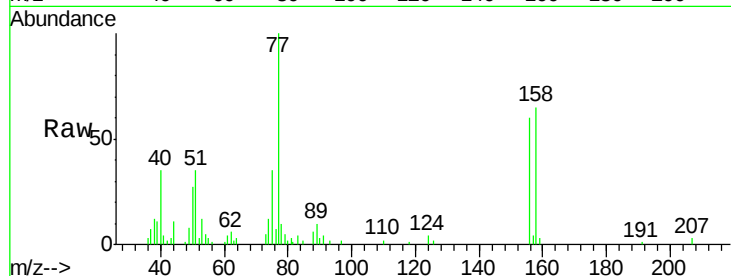
Tot Ion:156 Resp: 12826

Ion Ratio Lower Upper

156 100

77 181.2 92.9 278.7

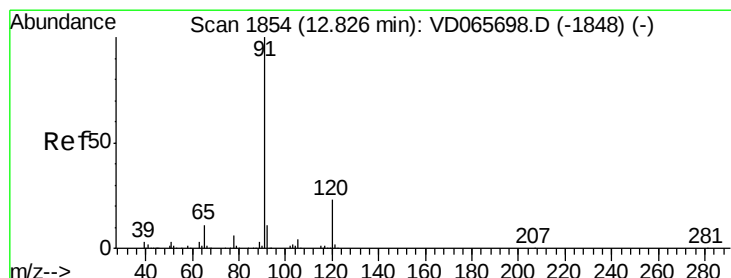
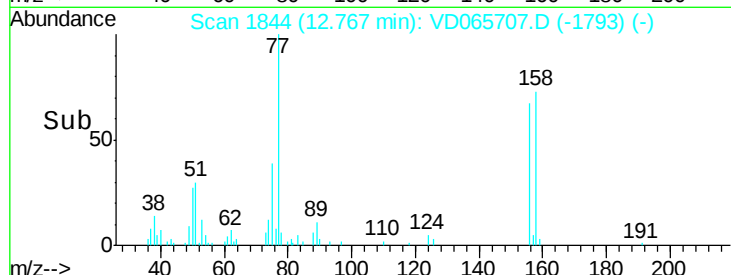
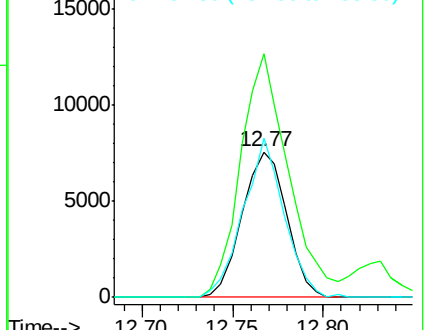
158 100.9 48.9 146.7



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: 2.763 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065707.D

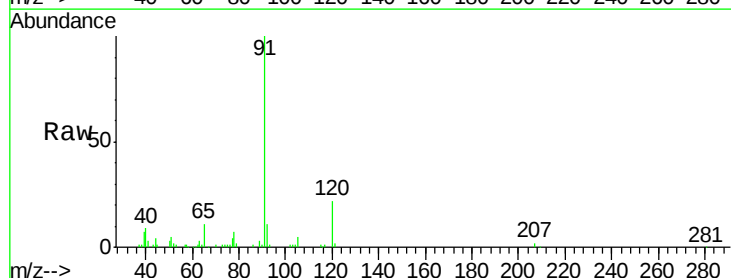
Acq: 07 May 2020 12:29

Tgt Ion: 91 Resp: 66960

Ion Ratio Lower Upper

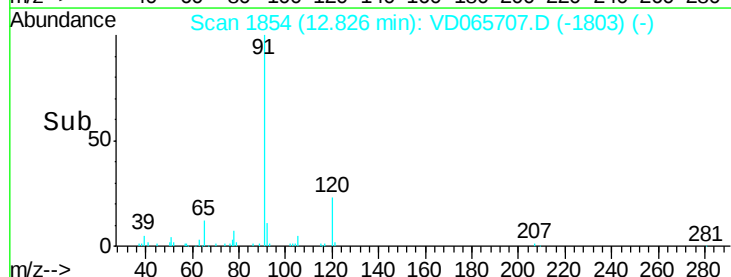
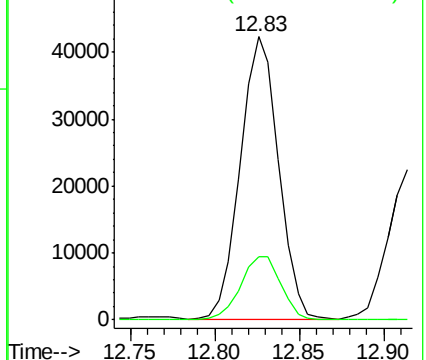
91 100

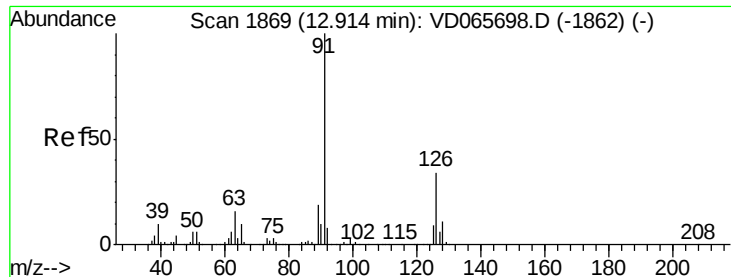
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

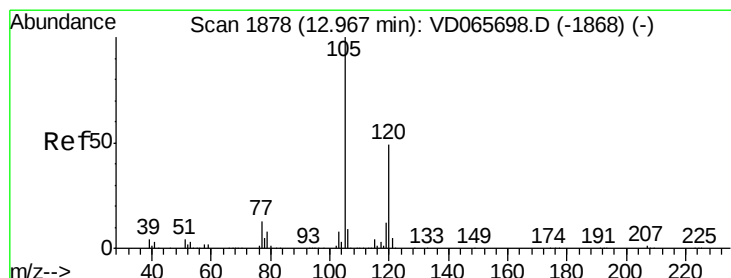
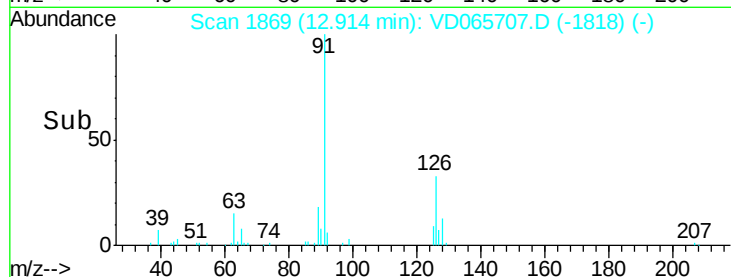
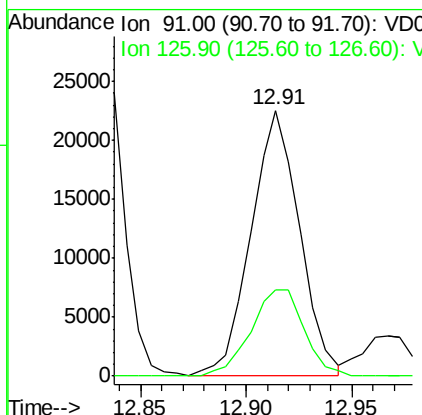
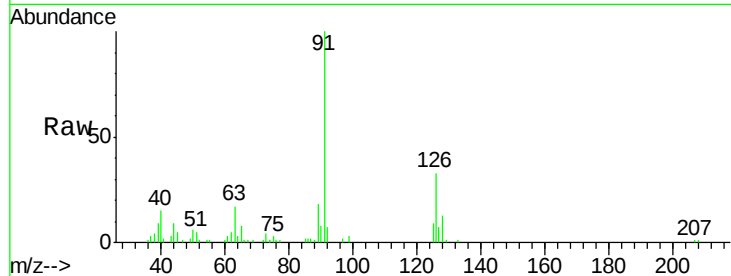




#79
 2-Chlorotoluene
 Concen: 2.639 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

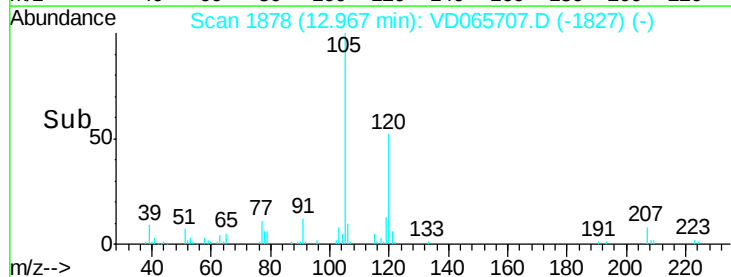
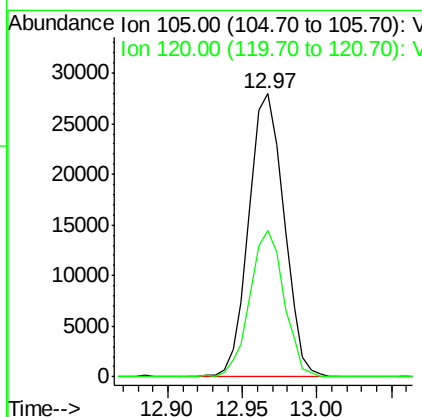
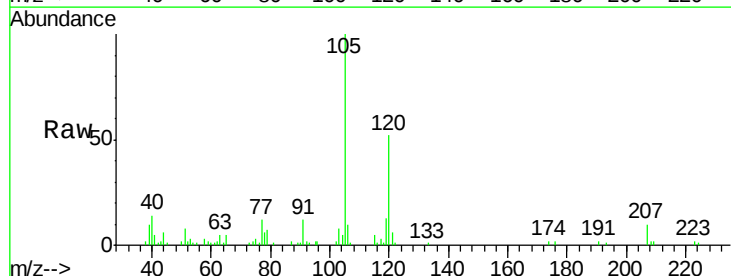
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

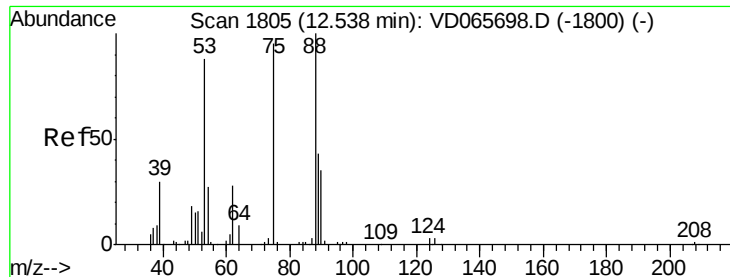
Tot Ion: 91 Resp: 36134
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 2.701 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 105 Resp: 45646
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 2.740 ug/l m

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

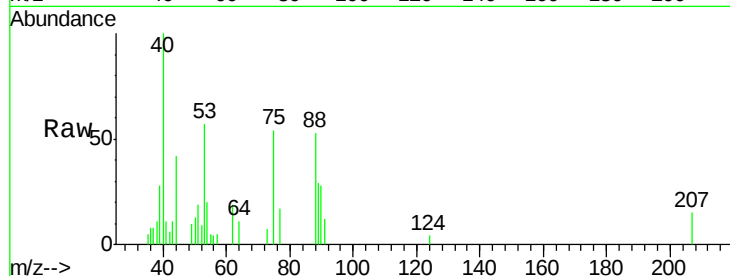
Tot Ion: 75 Resp: 3552

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

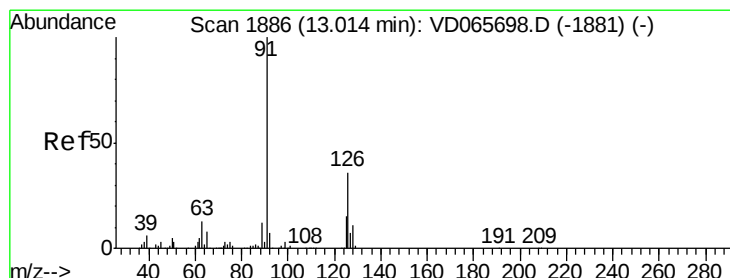
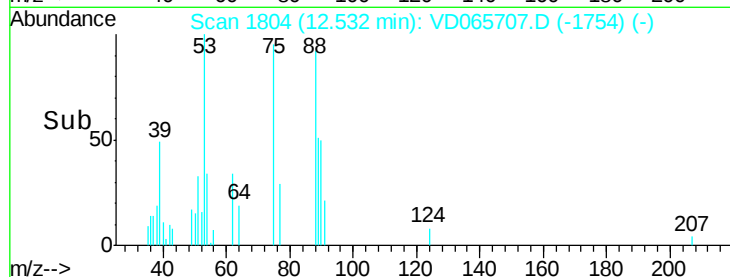
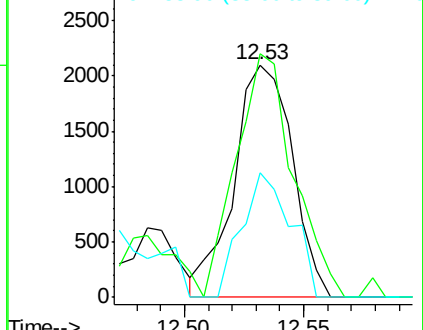
89 7.2 36.2 54.2#



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: 2.715 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065707.D

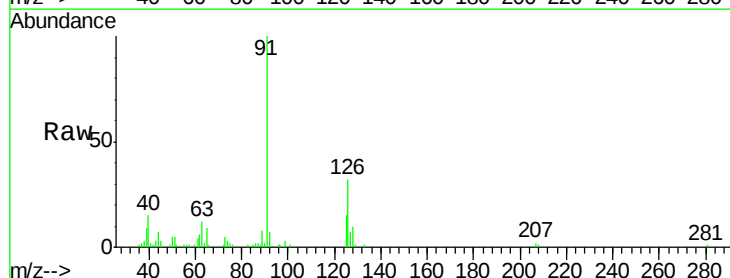
Acq: 07 May 2020 12:29

Tgt Ion: 91 Resp: 38904

Ion Ratio Lower Upper

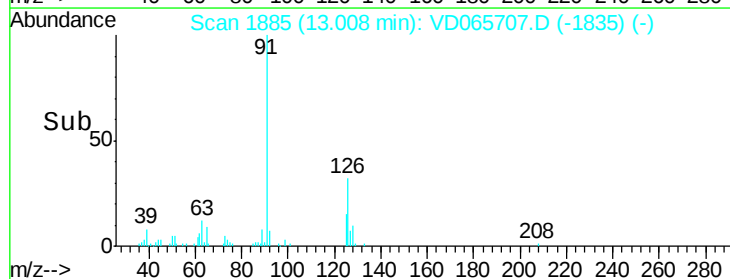
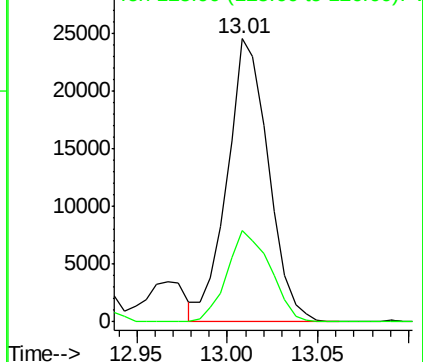
91 100

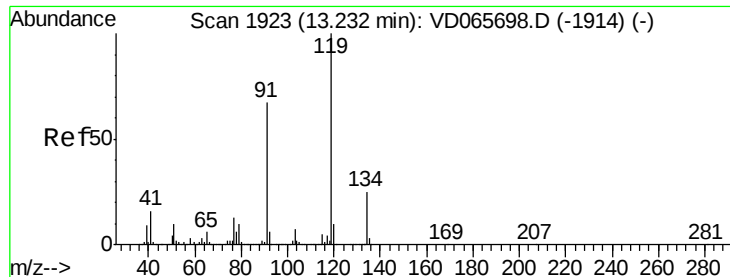
126 33.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

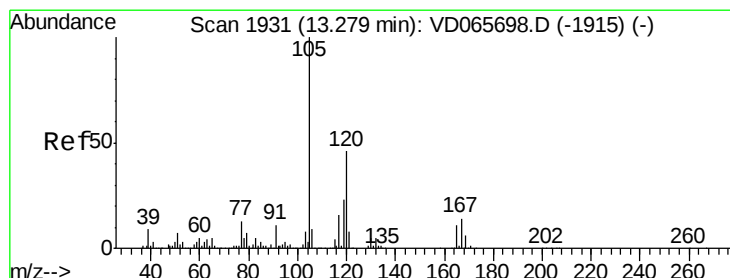
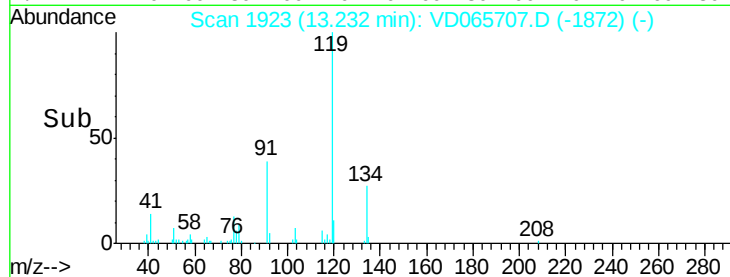
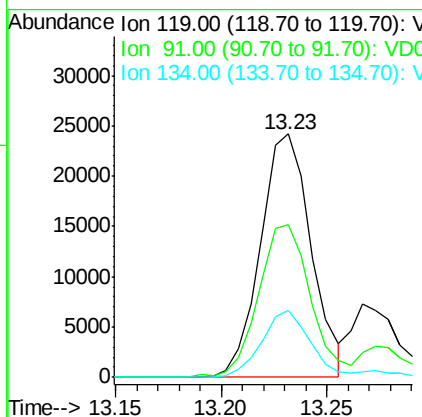
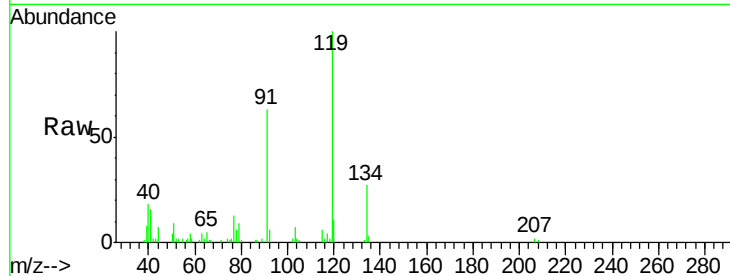




#83
tert-Butylbenzene
Concen: 2.815 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

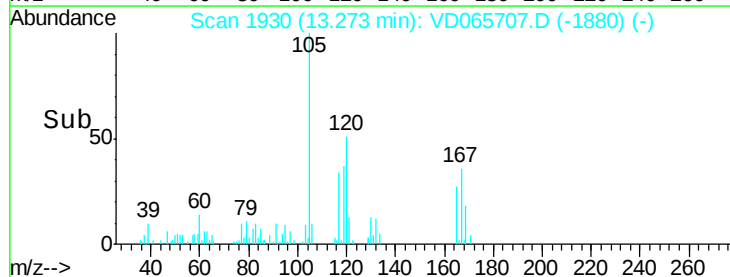
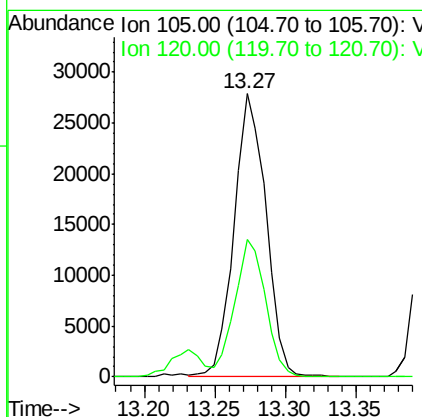
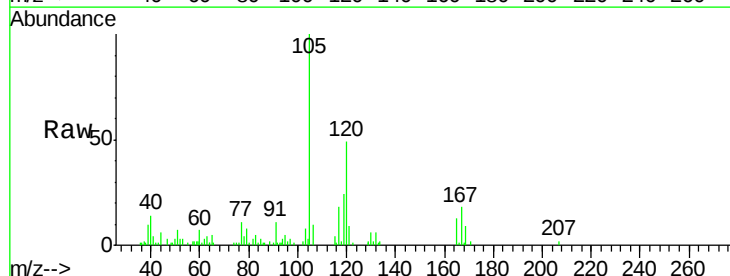
Instrument :
MSVOA_D
ClientSampleId :
VD0307

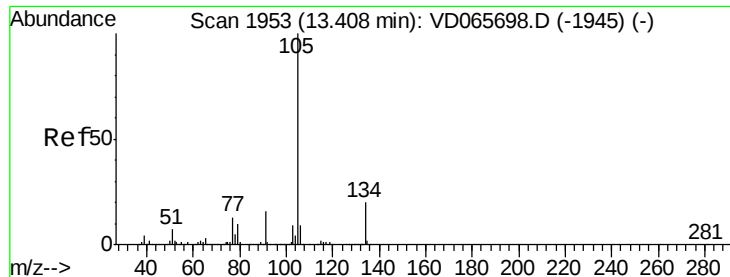
Tot Ion:119 Resp: 40493
Ion Ratio Lower Upper
119 100
91 64.4 33.6 100.8
134 25.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 2.615 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065707.D
Acq: 07 May 2020 12:29

Tgt Ion:105 Resp: 44029
Ion Ratio Lower Upper
105 100
120 46.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 2.664 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

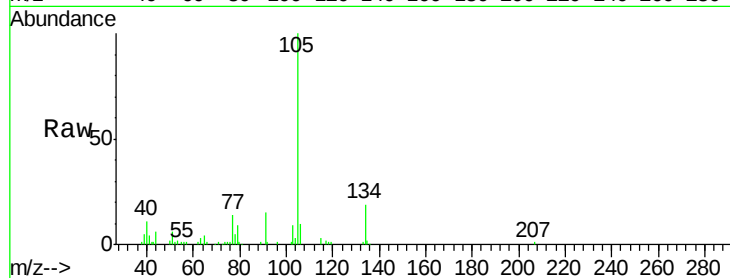
VD0307

Tot Ion:105 Resp: 53760

Ion Ratio Lower Upper

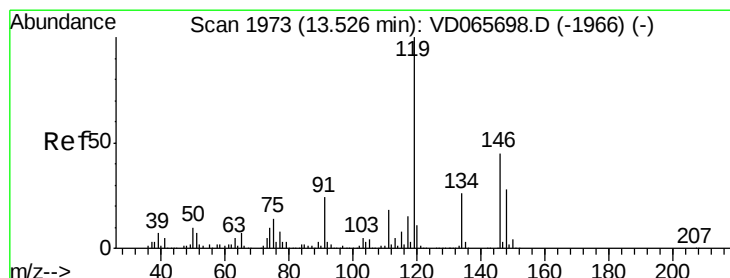
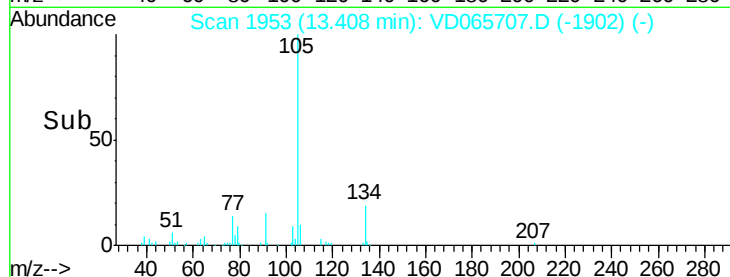
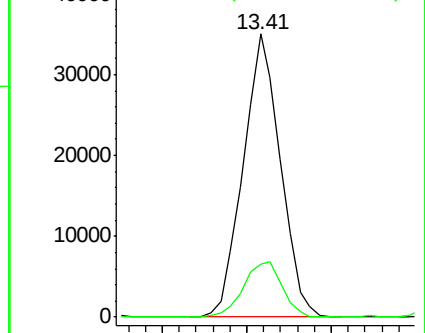
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.765 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

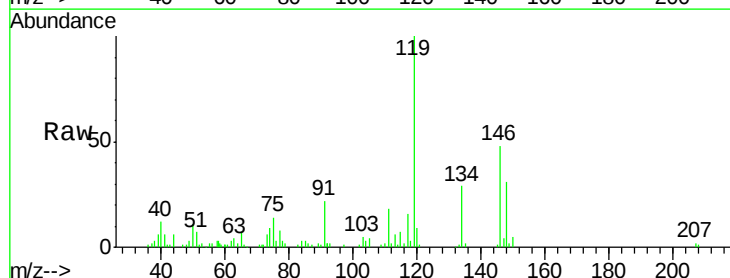
Tgt Ion:119 Resp: 50847

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.6

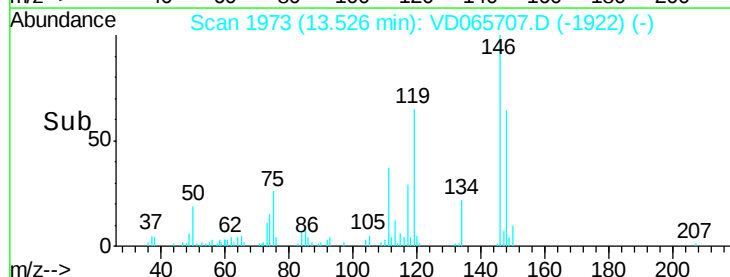
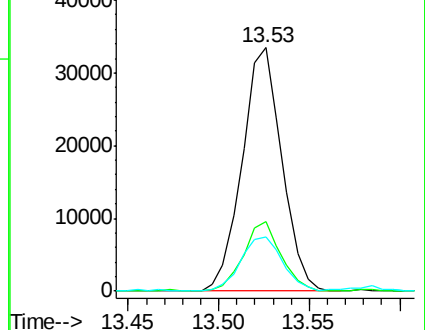
91 23.9 12.0 36.1

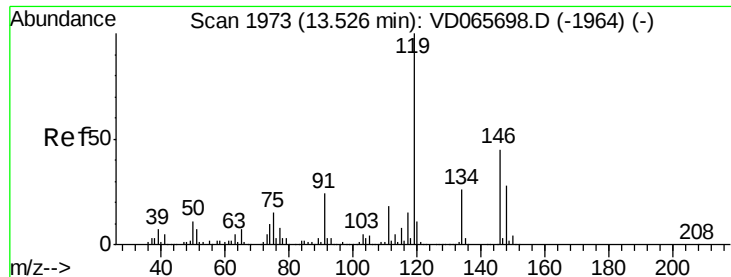


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

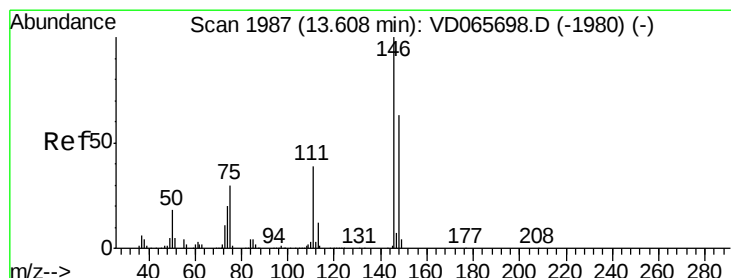
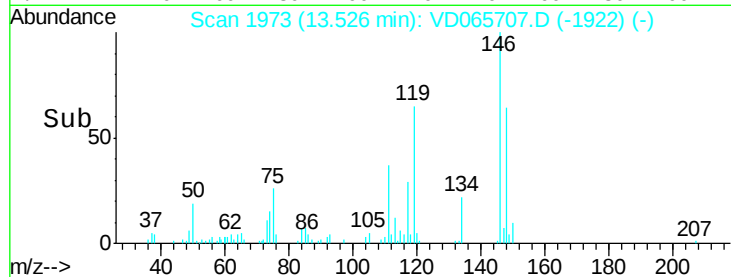
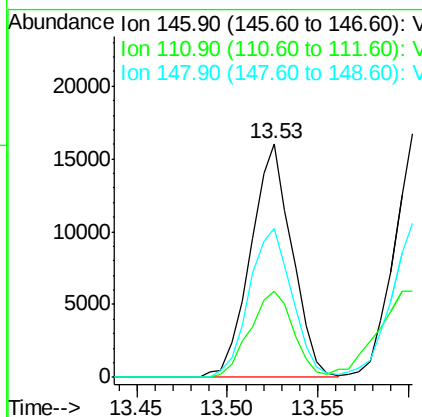
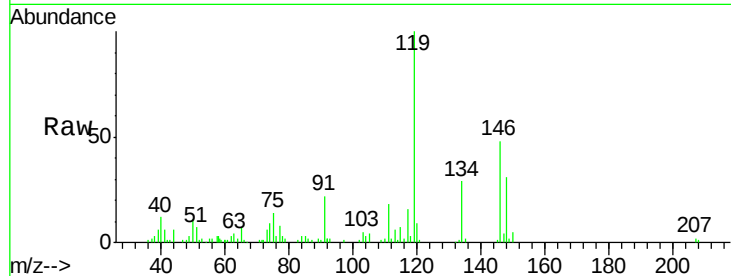




#87
 1,3-Dichlorobenzene
 Concen: 2.866 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

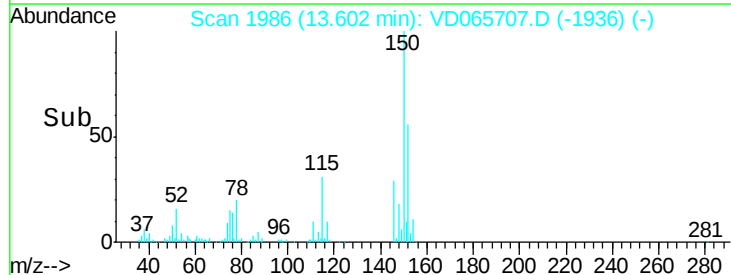
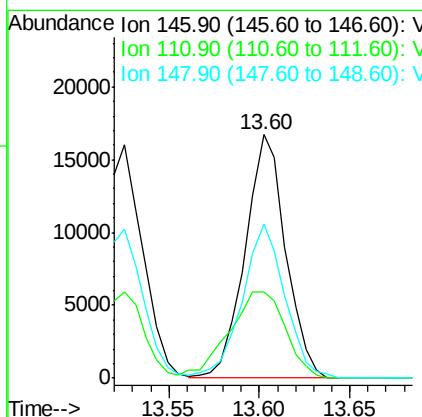
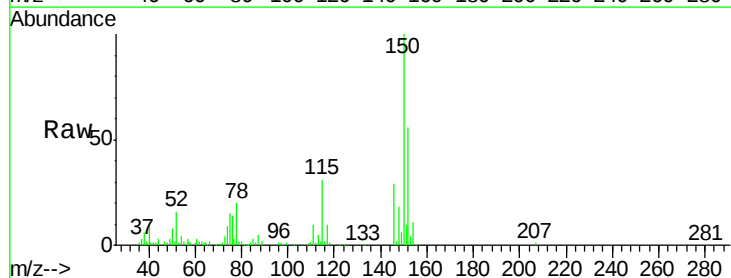
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

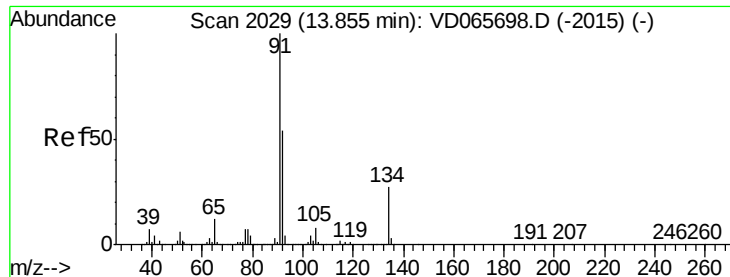
Tot Ion:146 Resp: 25426
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.8
 148 66.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 2.965 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion:146 Resp: 25950
 Ion Ratio Lower Upper
 146 100
 111 49.6 19.6 58.7
 148 66.7 31.9 95.5





#89

n-Butylbenzene

Concen: 2.654 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

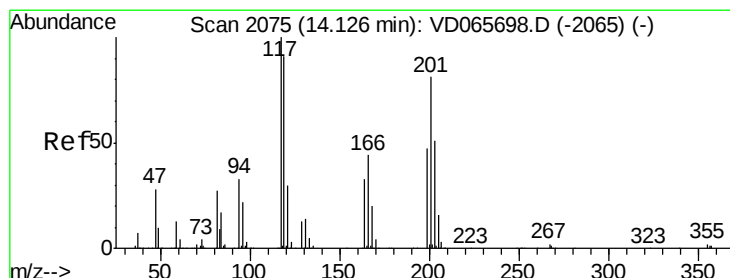
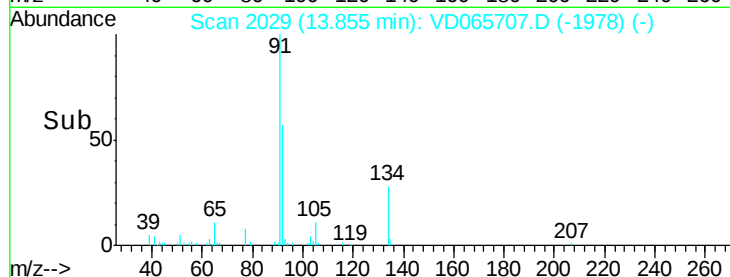
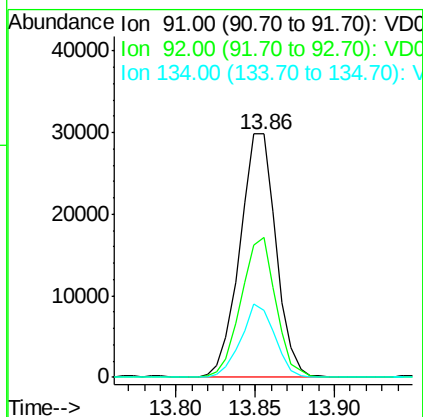
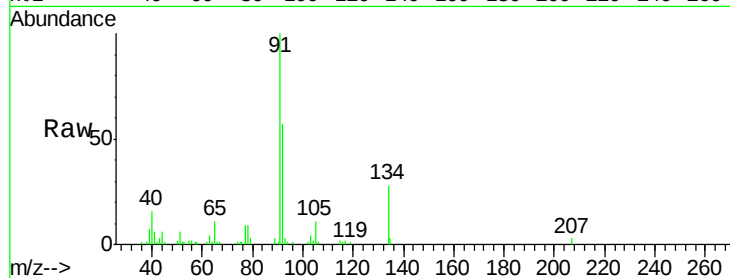
Tot Ion: 91 Resp: 47281

Ion Ratio Lower Upper

91 100

92 55.1 27.4 82.0

134 28.0 13.3 39.8



#90

Hexachloroethane

Concen: 2.807 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065707.D

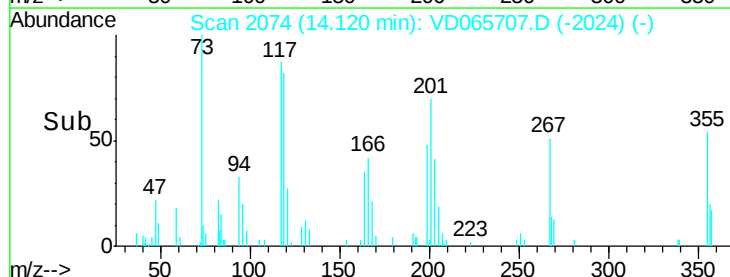
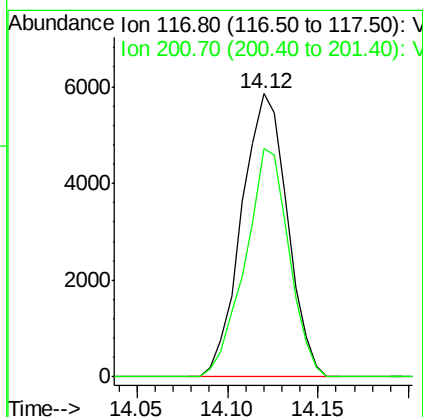
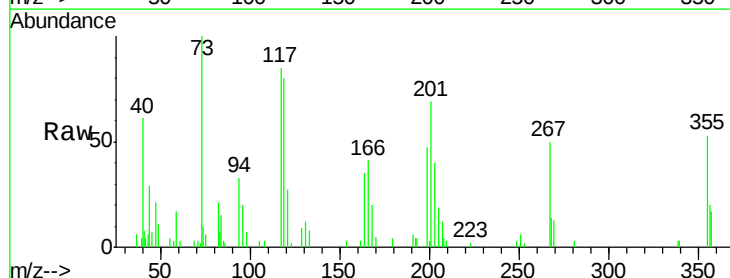
Acq: 07 May 2020 12:29

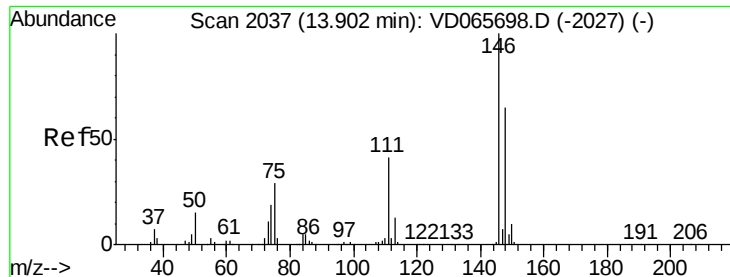
Tgt Ion: 117 Resp: 10279

Ion Ratio Lower Upper

117 100

201 77.0 39.1 117.2

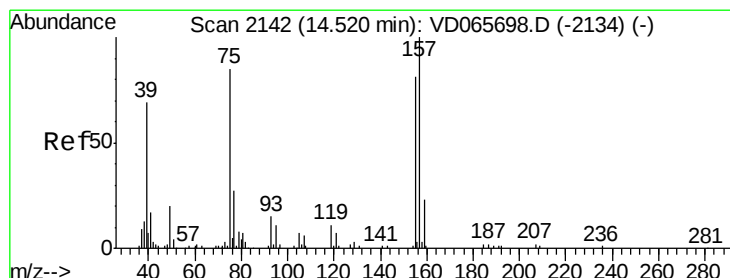
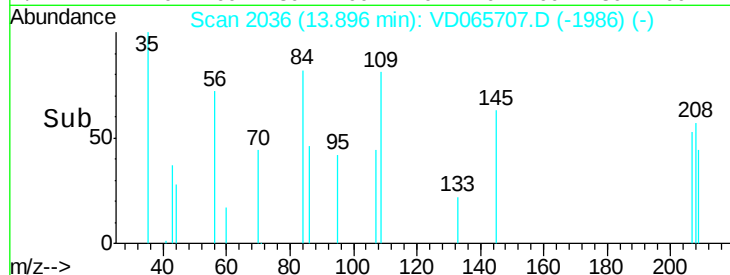
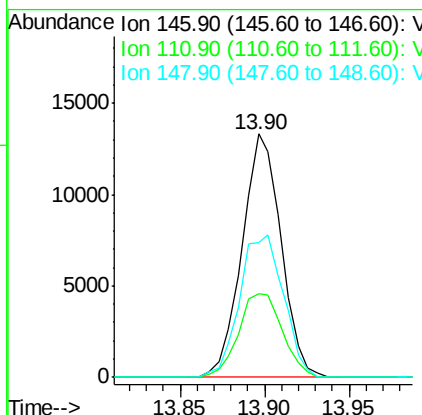
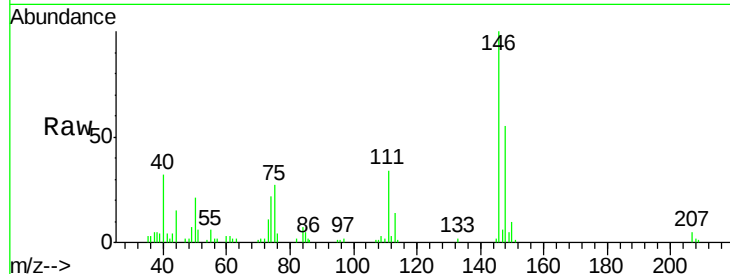




#91
 1,2-Dichlorobenzene
 Concen: 2.798 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

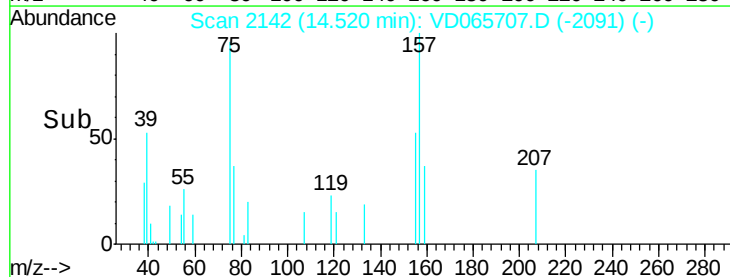
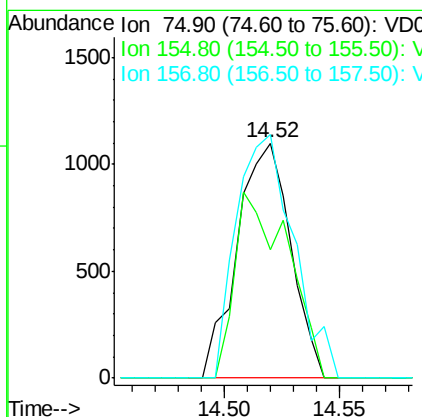
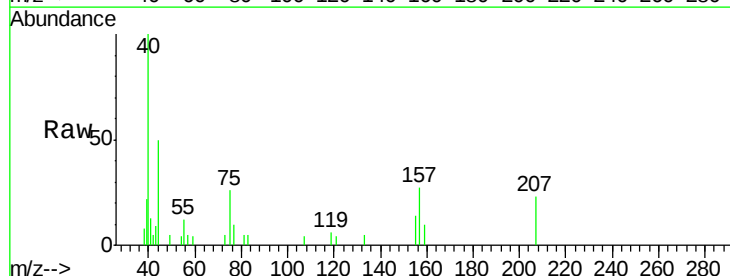
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

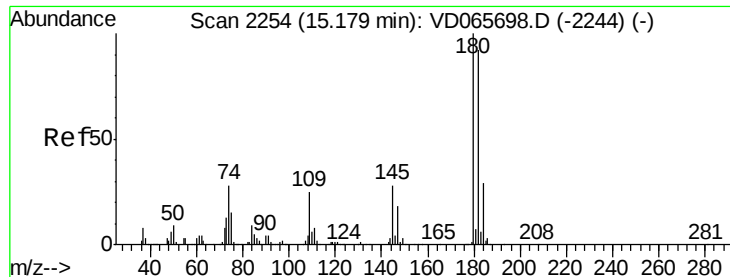
Tot Ion:146 Resp: 21417
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.3 61.0
 148 65.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.052 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion: 75 Resp: 1771
 Ion Ratio Lower Upper
 75 100
 155 79.0 43.5 130.5
 157 110.4 54.5 163.6

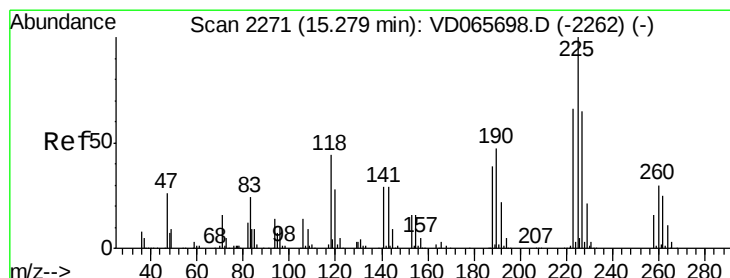
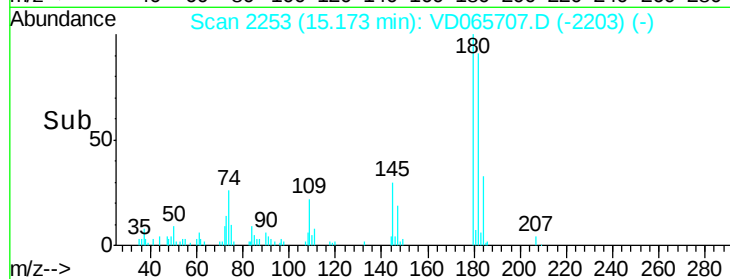
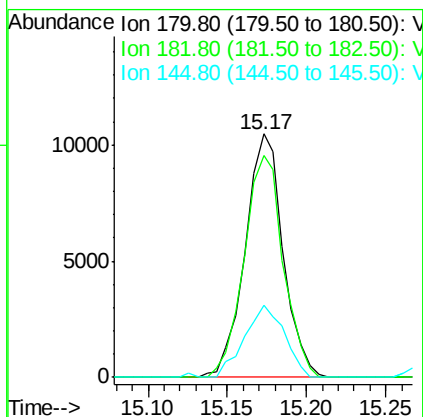
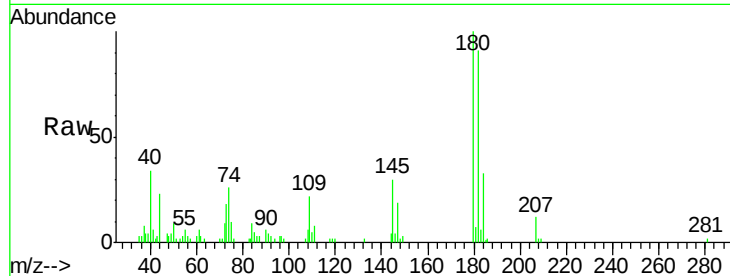




#93
 1,2,4-Trichlorobenzene
 Concen: 3.028 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

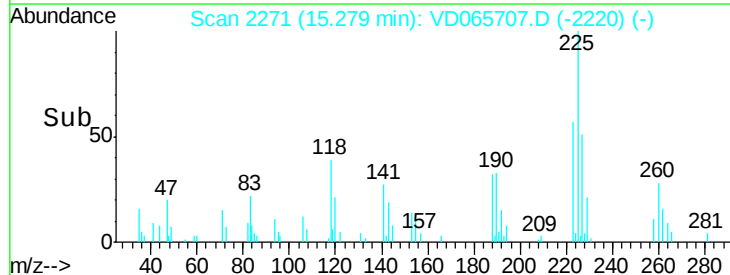
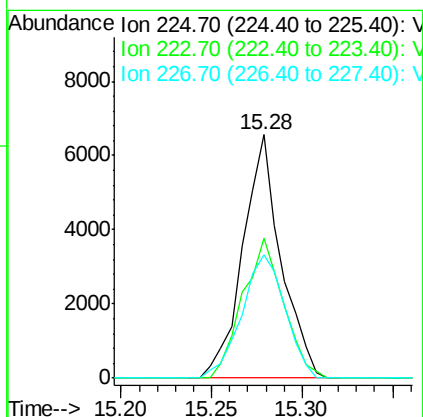
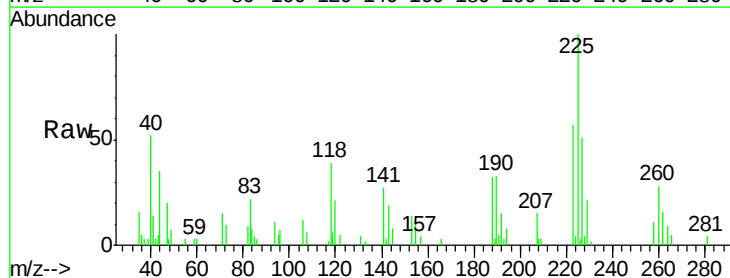
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

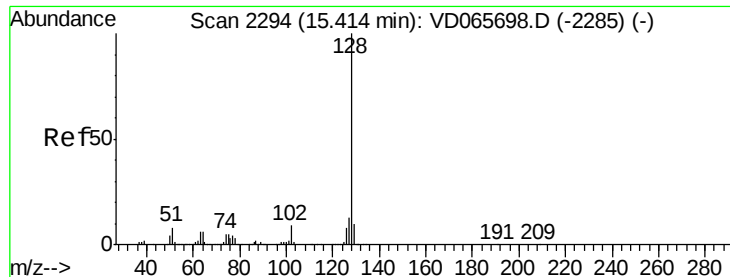
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	31.1	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 2.878 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065707.D
 Acq: 07 May 2020 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.3
227	57.4	31.6	94.8





#95

Naphthalene

Concen: 2.969 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0307

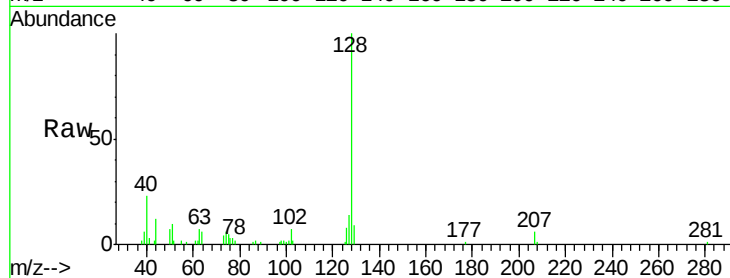
Tot Ion:128 Resp: 29974

Ion Ratio Lower Upper

128 100

127 15.1 10.4 15.6

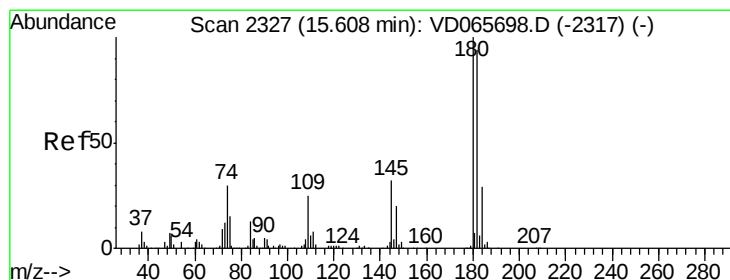
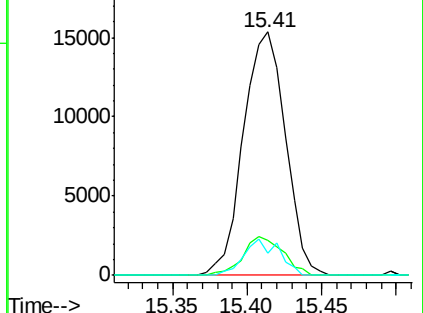
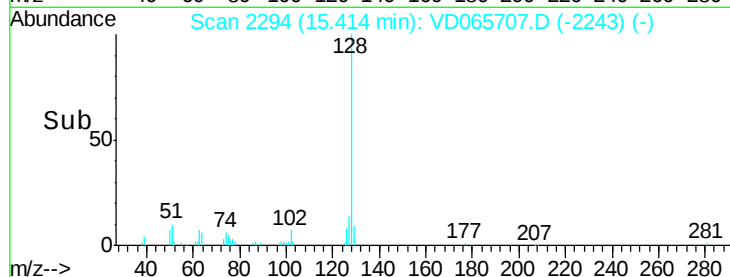
129 12.5 9.0 13.4



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



#96

1,2,3-Trichlorobenzene

Concen: 3.133 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065707.D

Acq: 07 May 2020 12:29

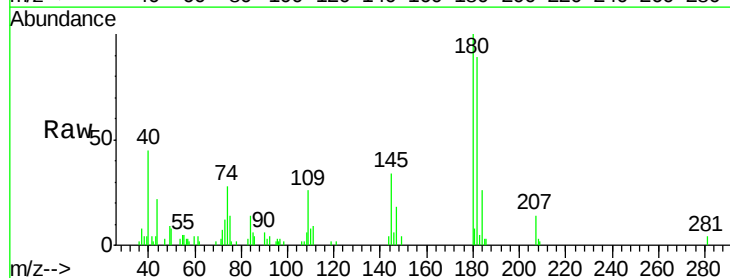
Tgt Ion:180 Resp: 15310

Ion Ratio Lower Upper

180 100

182 92.7 46.9 140.6

145 32.6 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

