

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065418.D
 Acq On : 04 Mar 2020 18:42
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 02:37:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:33:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313728	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	206470	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=	104.36%	
35) Dibromofluoromethane	7.92	113	213507	47.15	ug/l	0.00
Spiked Amount						
			Recovery	=	94.30%	
50) Toluene-d8	10.34	98	801480	46.13	ug/l	0.00
Spiked Amount						
			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	245314	45.74	ug/l	0.00
Spiked Amount						
			Recovery	=	91.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	12198	3.077	ug/l	96
3) Chloromethane	2.21	50	13954	2.916	ug/l	100
4) Vinyl Chloride	2.35	62	13859	2.936	ug/l #	88
5) Bromomethane	2.77	94	10813	3.582	ug/l	94
6) Chloroethane	2.93	64	8678	3.002	ug/l #	85
7) Trichlorofluoromethane	3.27	101	21649	3.112	ug/l	93
8) Diethyl Ether	3.71	74	6189	2.992	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	12884	2.876	ug/l #	17
10) Methyl Iodide	4.30	142	11755	2.526	ug/l #	85
11) Tert butyl alcohol	5.24	59	1152	5.076	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	13595	3.169	ug/l	84
13) Acrolein	3.93	56	5258	13.434	ug/l	94
14) Allyl chloride	4.71	41	19026	2.887	ug/l	97
15) Acrylonitrile	5.44	53	12340	13.713	ug/l	95
16) Acetone	4.17	43	11927	14.906	ug/l	92
17) Carbon Disulfide	4.40	76	42260	2.958	ug/l	99
18) Methyl Acetate	4.73	43	6178	3.044	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	22100	2.679	ug/l	91
20) Methylene Chloride	4.96	84	21262	4.295	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	13902	2.913	ug/l	93
22) Diisopropyl ether	6.37	45	30303	2.474	ug/l	96
23) Vinyl Acetate	6.31	43	76084	11.186	ug/l	95
24) 1,1-Dichloroethane	6.27	63	24312	3.094	ug/l	94
25) 2-Butanone	7.23	43	15425	14.126	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	20712	3.016	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	13499	2.768	ug/l	80
28) Bromochloromethane	7.55	49	9895	3.148	ug/l	100
29) Tetrahydrofuran	7.57	42	8200	11.759	ug/l	98
30) Chloroform	7.71	83	24527	3.123	ug/l	94
31) Cyclohexane	7.98	56	28877	3.675	ug/l #	72
32) 1,1,1-Trichloroethane	7.91	97	20759	2.860	ug/l	97
36) 1,1-Dichloropropene	8.11	75	18545	2.642	ug/l	98
37) Ethyl Acetate	7.30	43	6538	2.410	ug/l #	73
38) Carbon Tetrachloride	8.10	117	20093	2.760	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	21152	2.495	ug/l	88
40) Benzene	8.36	78	53177	2.709	ug/l	98
41) Methacrylonitrile	7.53	41	3837	2.674	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	14495	2.828	ug/l	97
43) Isopropyl Acetate	8.46	43	12459	2.487	ug/l	97
44) Trichloroethene	9.12	130	15980	2.883	ug/l	86
45) 1,2-Dichloropropane	9.39	63	13068	2.749	ug/l	95
46) Dibromomethane	9.48	93	6610	2.680	ug/l	98
47) Bromodichloromethane	9.67	83	17690	2.757	ug/l #	98
48) Methyl methacrylate	9.47	41	5084	2.157	ug/l #	90
49) 1,4-Dioxane	9.47	88	1414	50.127	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	27567	10.935	ug/l	96
52) Toluene	10.41	92	33615	2.719	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	15247	2.543	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	17346	2.390	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9563	2.738	ug/l	96
56) Ethyl methacrylate	10.66	69	9072	2.304	ug/l	99
57) 1,3-Dichloropropane	10.96	76	15186	2.570	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	12528	9.866	ug/l	100
59) 2-Hexanone	10.99	43	18634	10.677	ug/l	91
60) Dibromochloromethane	11.14	129	12906	2.883	ug/l	93
61) 1,2-Dibromoethane	11.25	107	8579	2.575	ug/l	99
64) Tetrachloroethene	10.88	164	14637	3.070	ug/l	96
65) Chlorobenzene	11.67	112	36130	2.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	13164	2.745	ug/l	96
67) Ethyl Benzene	11.75	91	56063	2.464	ug/l	92
68) m/p-Xylenes	11.86	106	39765	4.533	ug/l	95
69) o-Xylene	12.18	106	17522	2.271	ug/l	98
70) Styrene	12.20	104	29685	2.186	ug/l	98
71) Bromoform	12.36	173	7038	2.613	ug/l #	98
73) Isopropylbenzene	12.48	105	47081	2.282	ug/l	99
74) N-amyl acetate	12.29	43	9238	2.187	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	10247	2.825	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	12657	5.113	ug/l #	100
77) Bromobenzene	12.77	156	14274	2.784	ug/l	98
78) n-propylbenzene	12.83	91	63722	2.603	ug/l	99
79) 2-Chlorotoluene	12.91	91	35316	2.559	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	39956	2.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	120236	102.495	ug/l #	14
82) 4-Chlorotoluene	13.01	91	37116	2.560	ug/l	100
83) tert-Butylbenzene	13.23	119	34113	2.377	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	37428	2.238	ug/l	99
85) sec-Butylbenzene	13.41	105	47828	2.335	ug/l	96
86) p-Isopropyltoluene	13.53	119	41187	2.203	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	25306	2.567	ug/l	92
88) 1,4-Dichlorobenzene	13.60	146	28852	2.943	ug/l	88
89) n-Butylbenzene	13.86	91	42197	2.442	ug/l	99
90) Hexachloroethane	14.12	117	11275	2.929	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	22758	2.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1624	2.940	ug/l	94

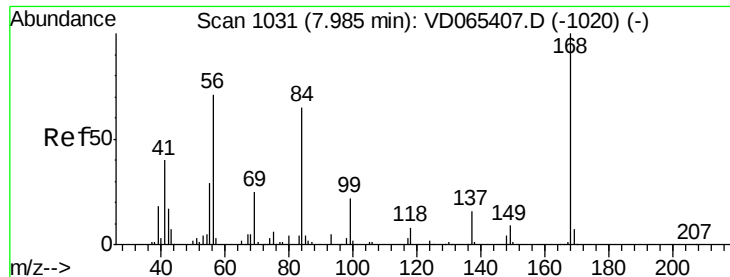
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	15422	2.713	ug/l	96
94) Hexachlorobutadiene	15.28	225	10826	2.898	ug/l	96
95) Naphthalene	15.41	128	20715	2.278	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13463	2.740	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

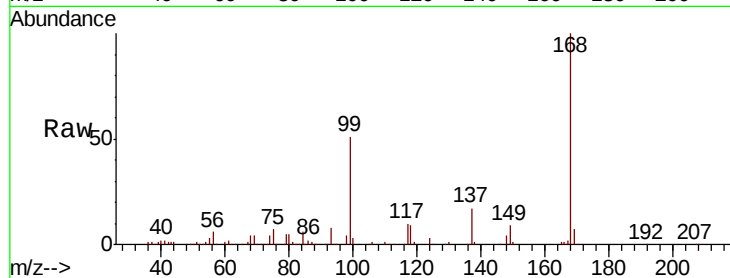
ClientSampled :

Tot Ion:168 Resp: 461244

Ion Ratio Lower Upper

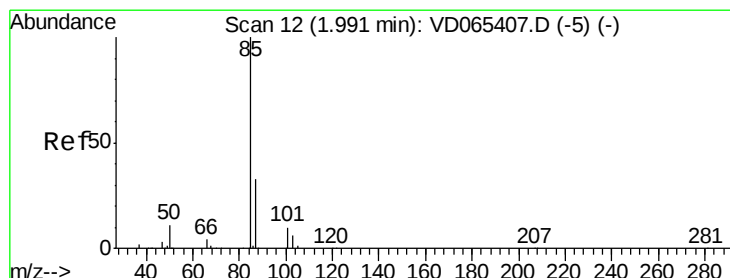
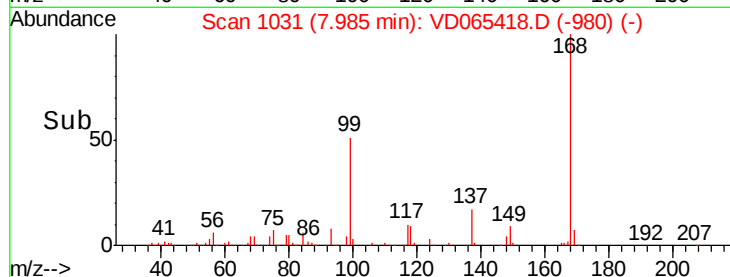
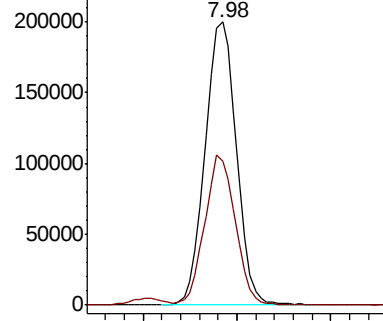
168 100

99 50.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 3.077 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065418.D

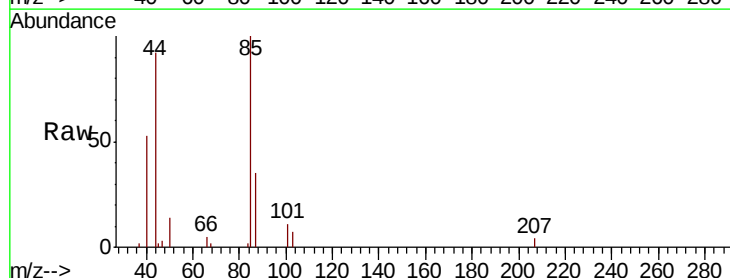
Acq: 04 Mar 2020 18:42

Tgt Ion: 85 Resp: 12198

Ion Ratio Lower Upper

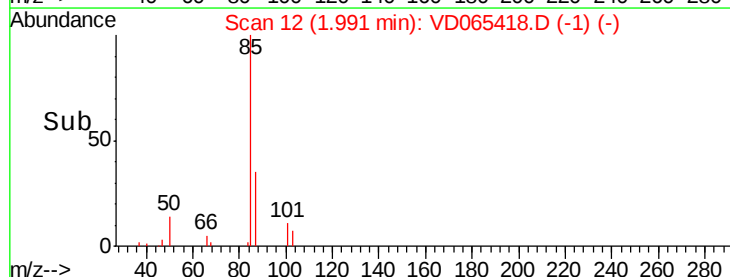
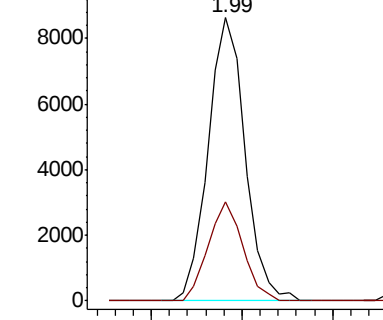
85 100

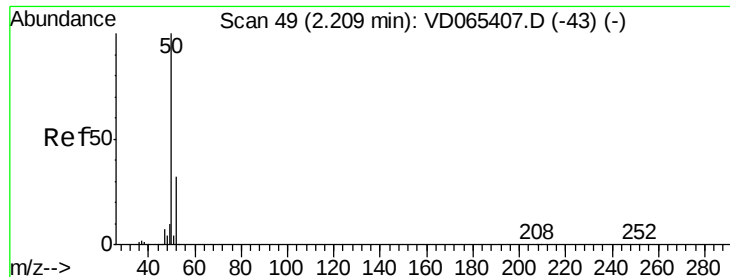
87 35.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

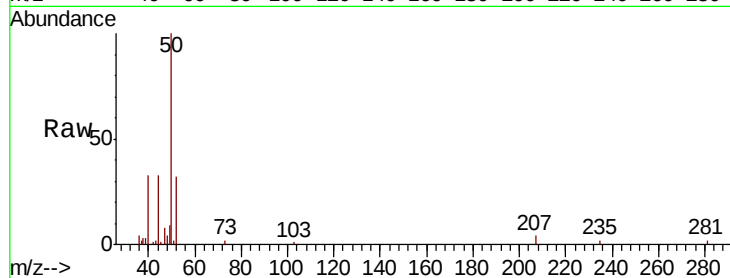
ClientSampleId :

Tot Ion: 50 Resp: 13954

Ion Ratio Lower Upper

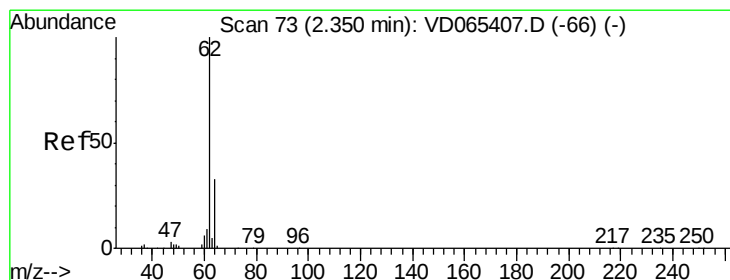
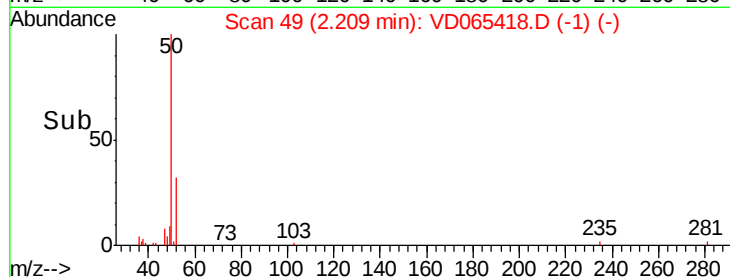
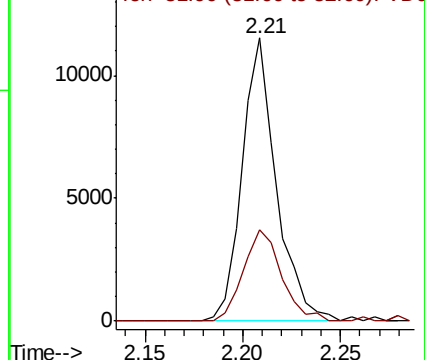
50 100

52 32.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.936 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065418.D

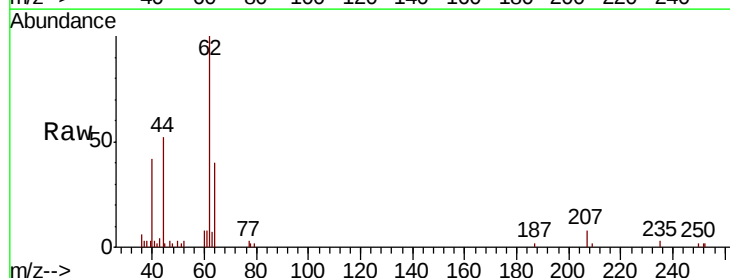
Acq: 04 Mar 2020 18:42

Tgt Ion: 62 Resp: 13859

Ion Ratio Lower Upper

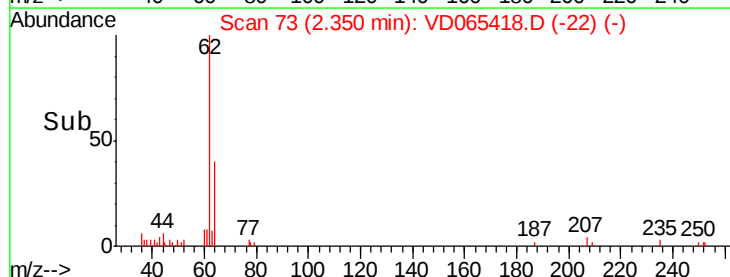
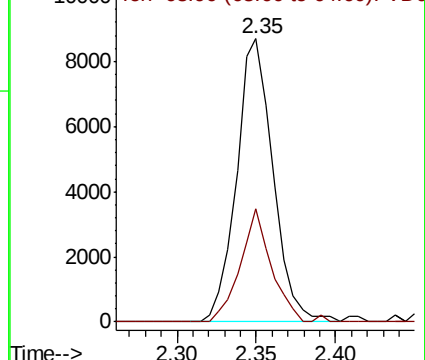
62 100

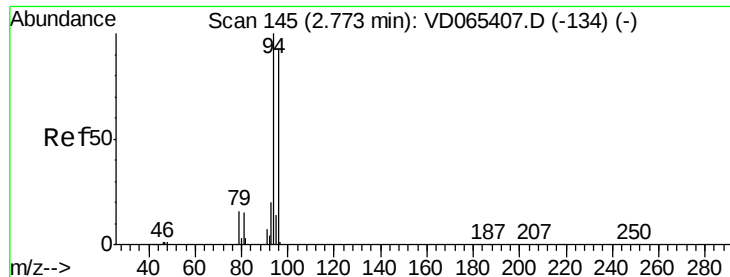
64 40.1 26.6 39.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.582 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

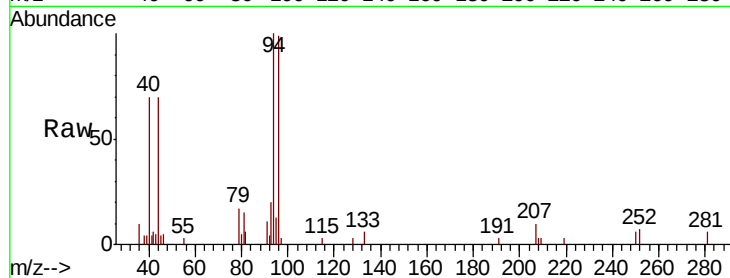
ClientSampled :

Tot Ion: 94 Resp: 10813

Ion Ratio Lower Upper

94 100

96 98.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

6000

5000

4000

3000

2000

1000

0

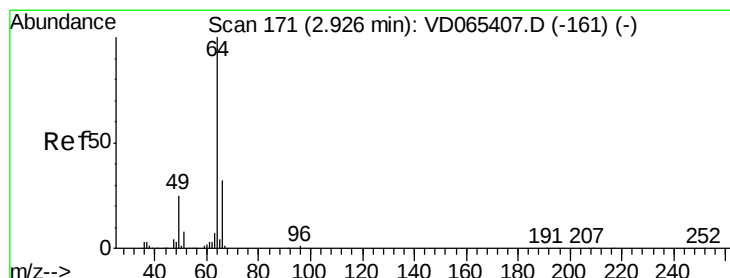
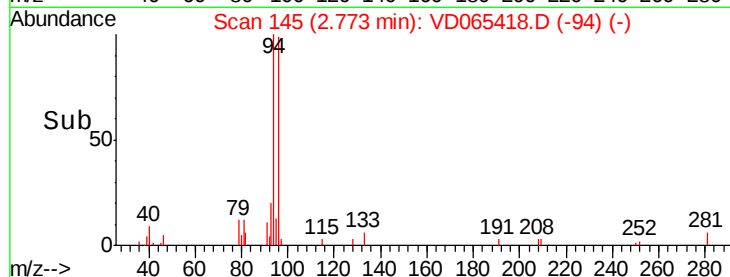
2.70

2.75

2.80

2.85

Time-->



#6

Chloroethane

Concen: 3.002 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065418.D

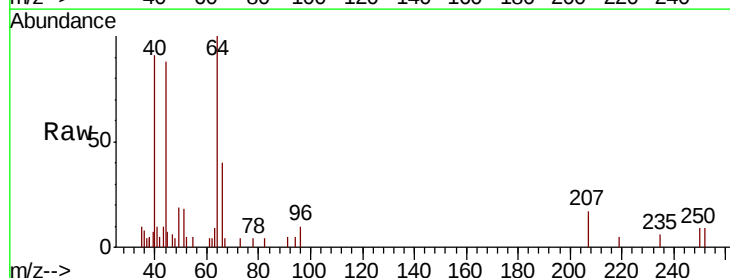
Acq: 04 Mar 2020 18:42

Tgt Ion: 64 Resp: 8678

Ion Ratio Lower Upper

64 100

66 40.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

4000

3000

2000

1000

0

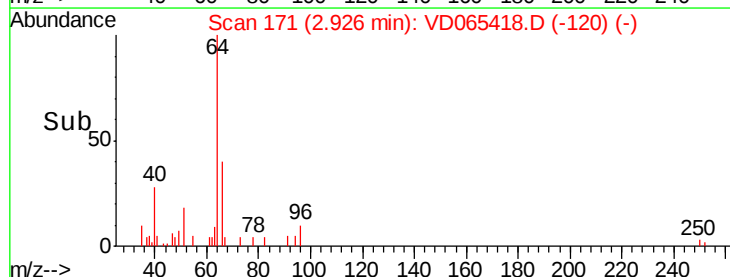
2.85

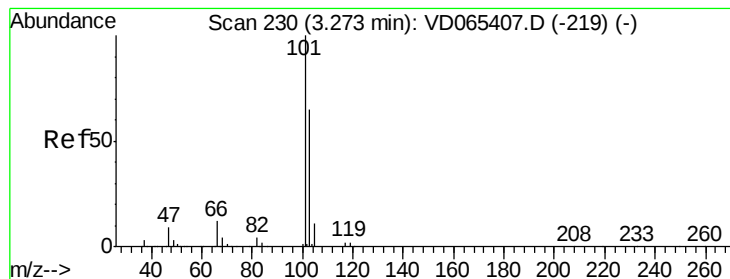
2.90

2.95

3.00

Time-->





#7

Trichlorofluoromethane

Concen: 3.112 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

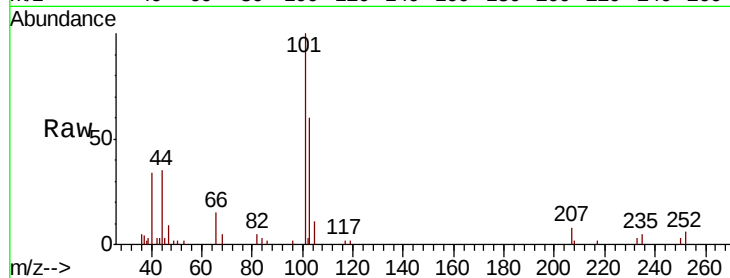
ClientSampleId :

Tot Ion:101 Resp: 21649

Ion Ratio Lower Upper

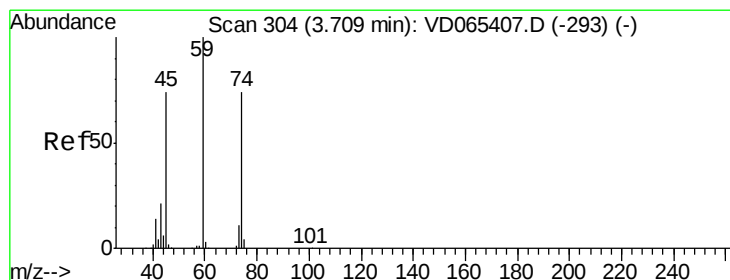
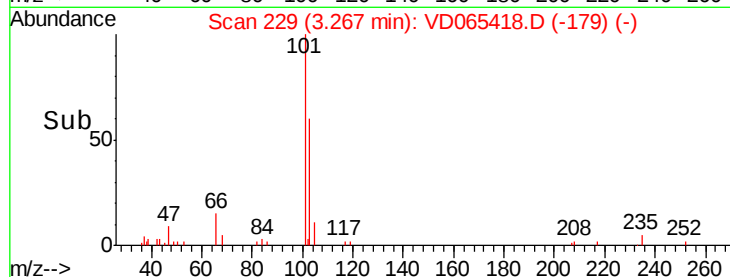
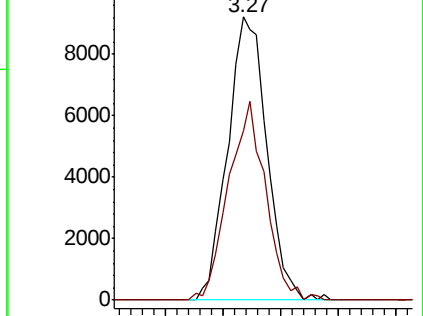
101 100

103 59.9 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.992 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD065418.D

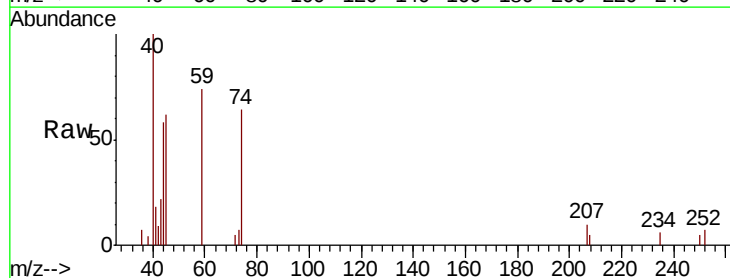
Acq: 04 Mar 2020 18:42

Tgt Ion: 74 Resp: 6189

Ion Ratio Lower Upper

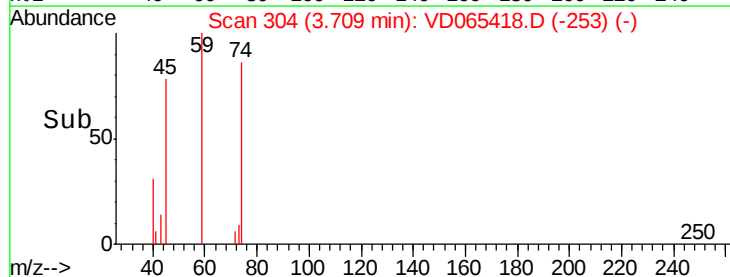
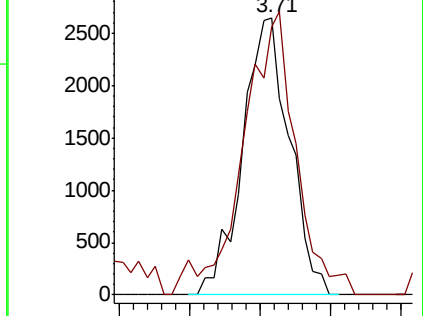
74 100

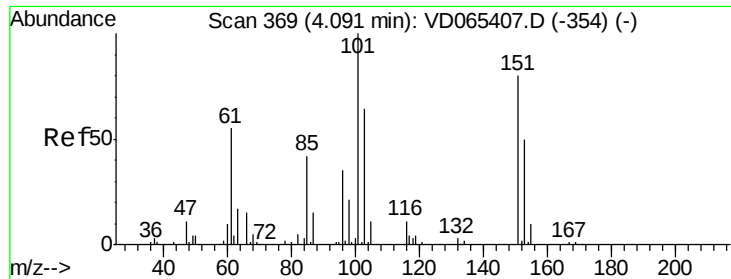
45 110.3 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.876 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampled :

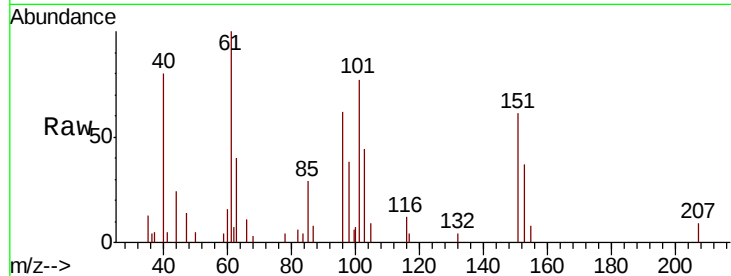
Tot Ion:101 Resp: 12884

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.2#

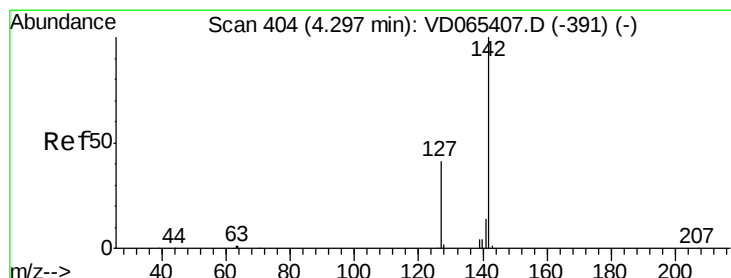
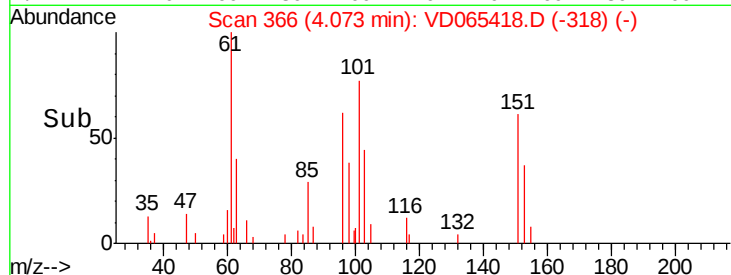
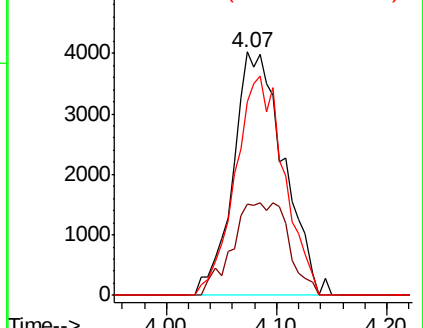
151 0.0 65.1 97.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.526 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

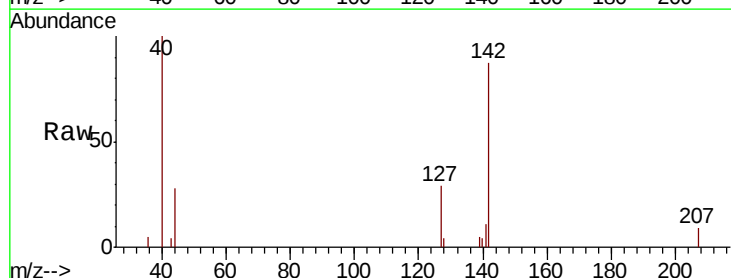
Tgt Ion:142 Resp: 11755

Ion Ratio Lower Upper

142 100

127 39.1 35.0 52.6

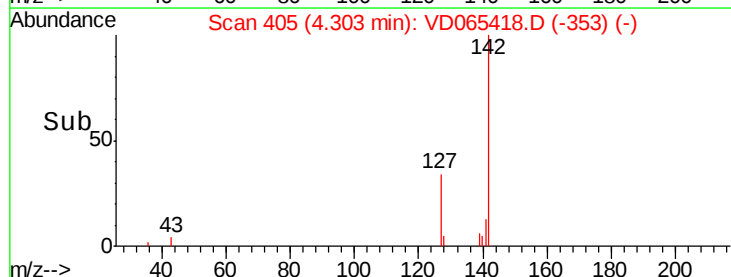
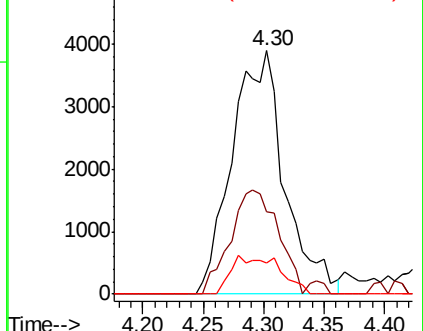
141 0.0 12.4 18.6#

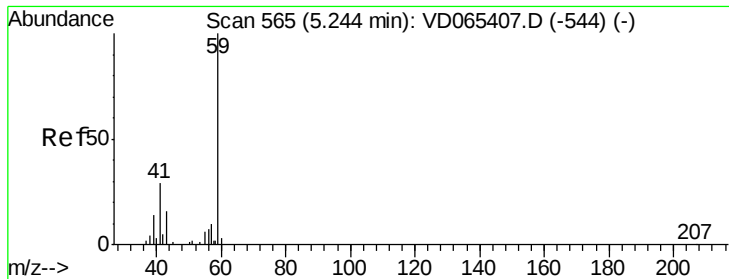


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



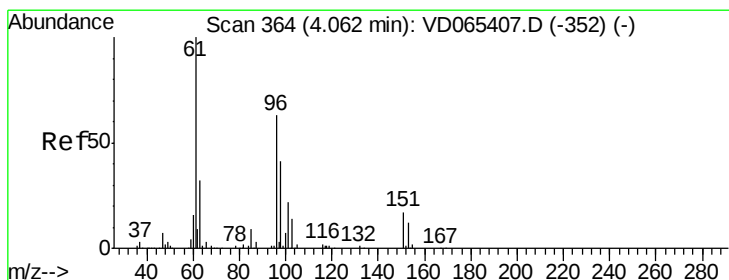
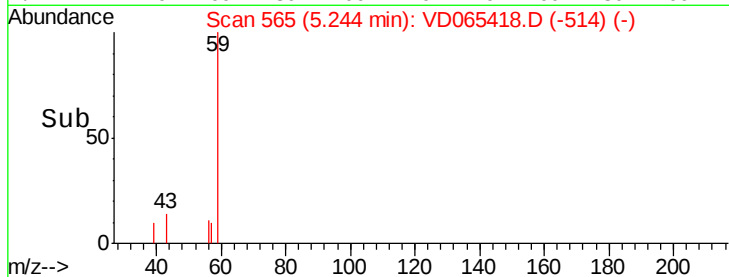
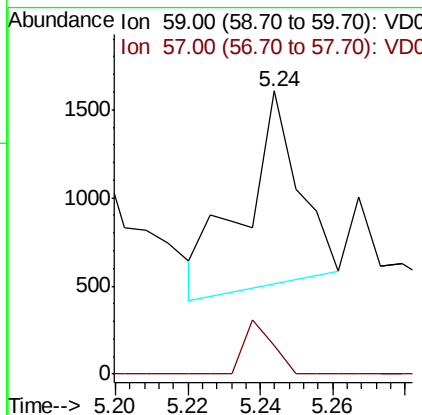
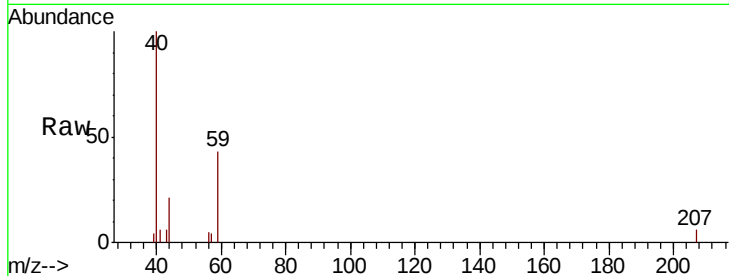


#11

Tert butyl alcohol
Concen: 5.076 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

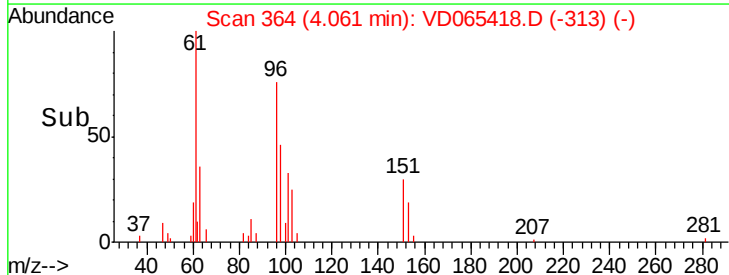
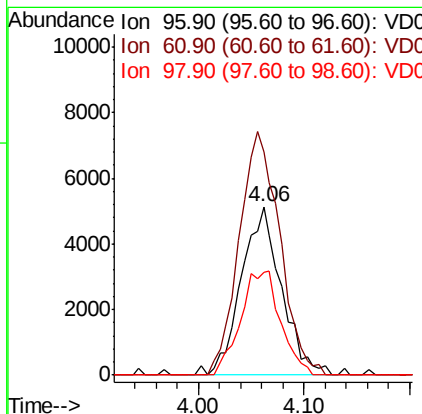
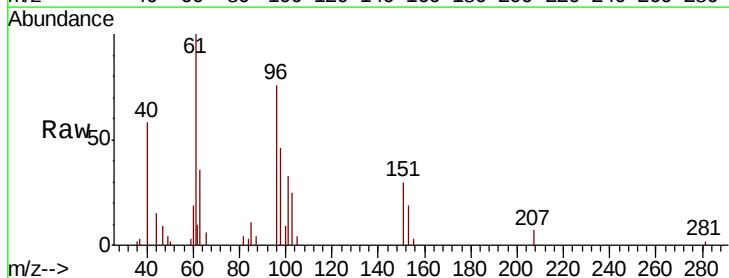
Tot Ion: 59 Resp: 1152
Ion Ratio Lower Upper
59 100
57 14.6 6.9 10.3#

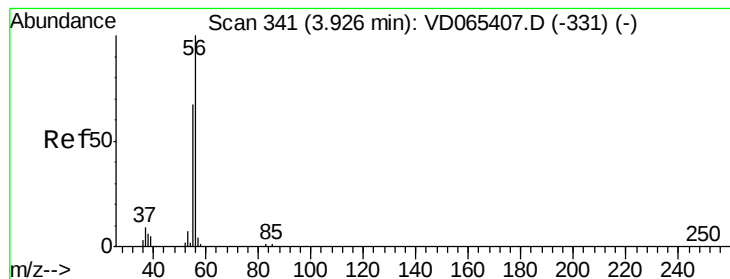


#12

1,1-Dichloroethene
Concen: 3.169 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 96 Resp: 13595
Ion Ratio Lower Upper
96 100
61 132.3 128.0 192.0
98 61.3 51.9 77.9





#13

Acrolein

Concen: 13.434 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

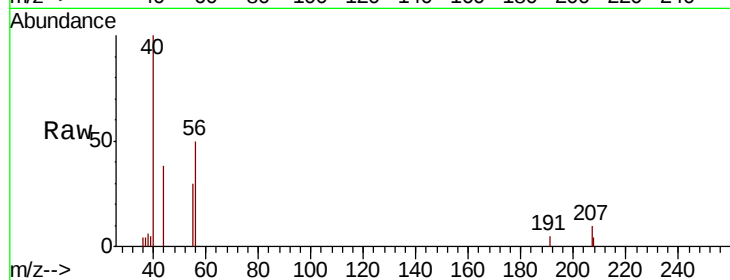
ClientSampleId :

Tot Ion: 56 Resp: 5258

Ion Ratio Lower Upper

56 100

55 76.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

2500

2000

1500

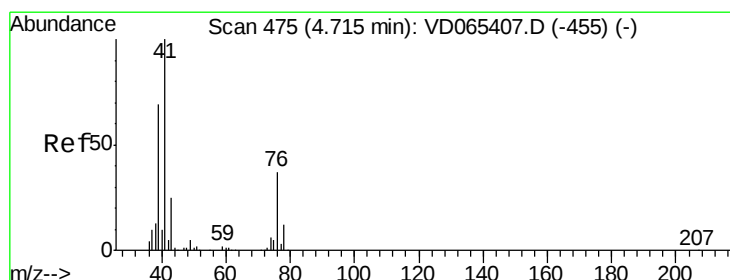
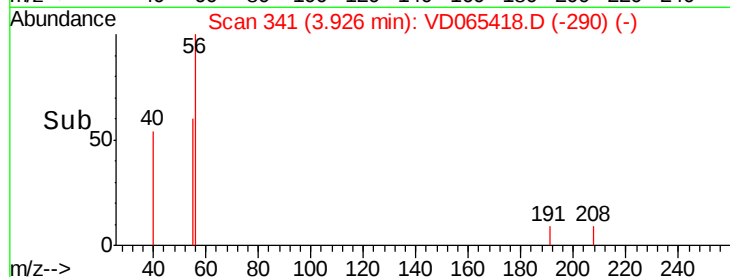
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 2.887 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

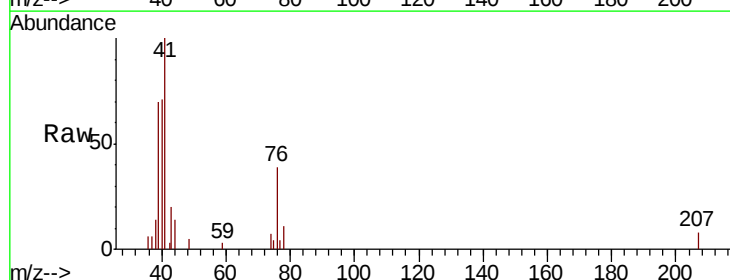
Tgt Ion: 41 Resp: 19026

Ion Ratio Lower Upper

41 100

39 62.7 52.6 79.0

76 37.8 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

8000

6000

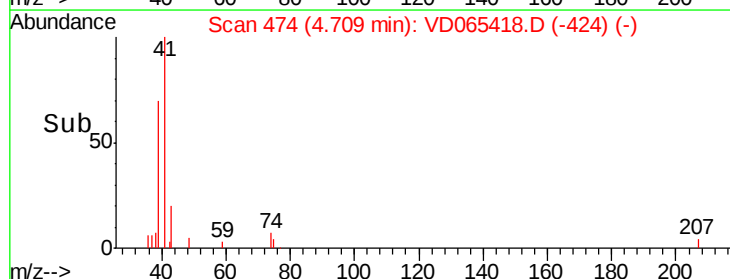
4000

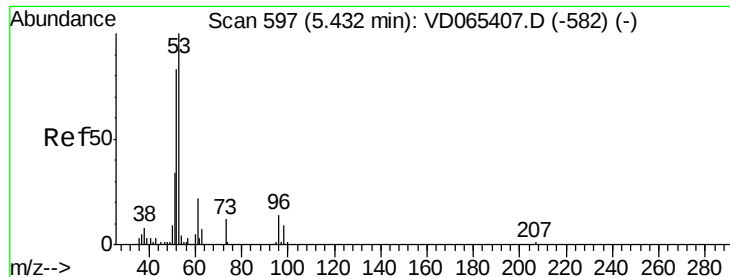
2000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 13.713 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

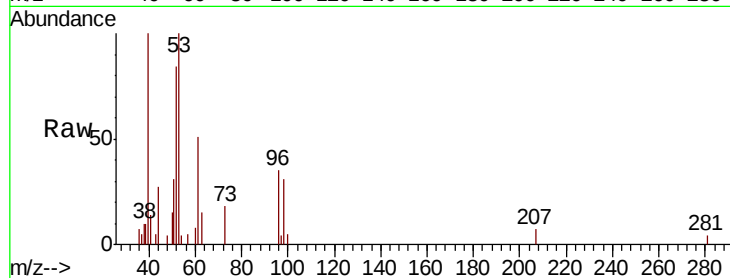
Tot Ion: 53 Resp: 12340

Ion Ratio Lower Upper

53 100

52 84.6 65.1 97.7

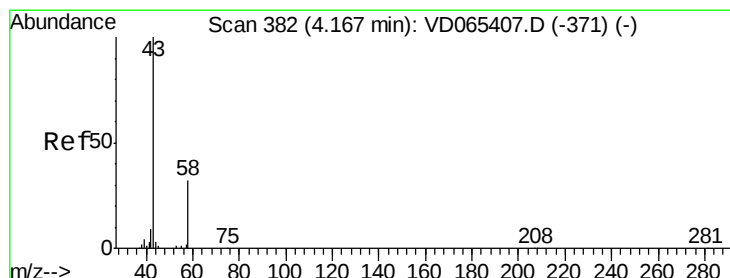
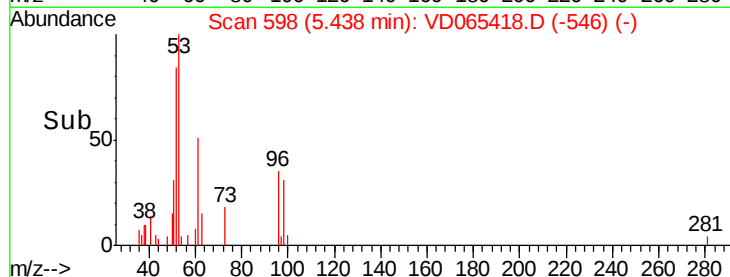
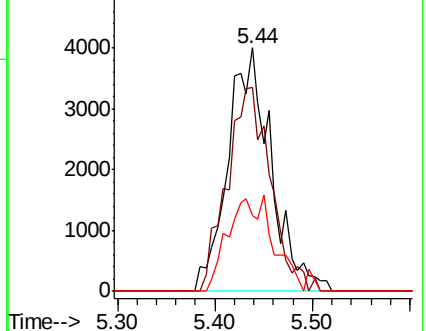
51 40.3 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 14.906 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065418.D

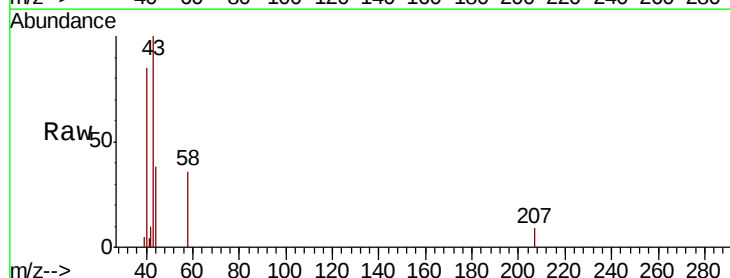
Acq: 04 Mar 2020 18:42

Tgt Ion: 43 Resp: 11927

Ion Ratio Lower Upper

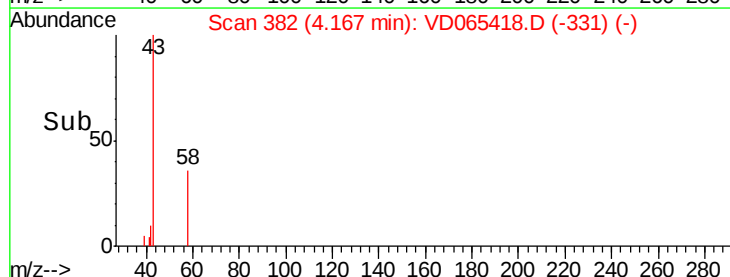
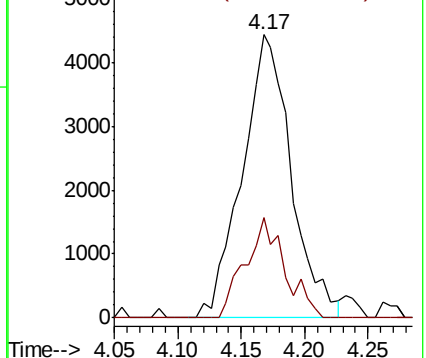
43 100

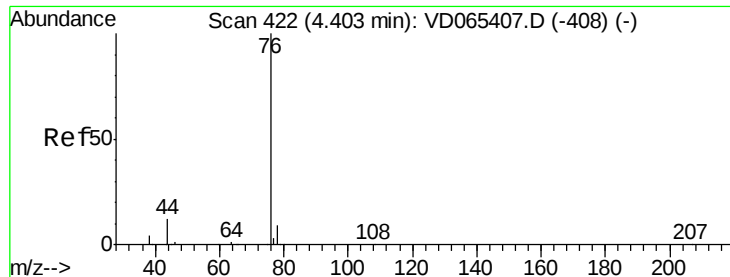
58 35.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

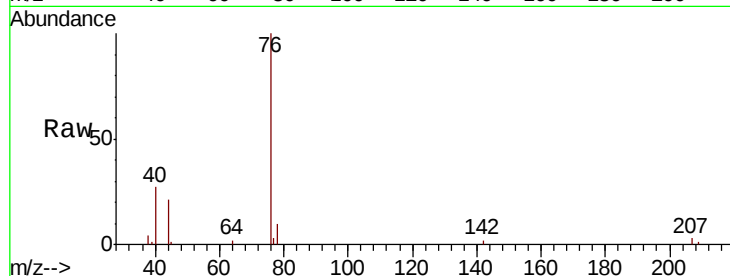




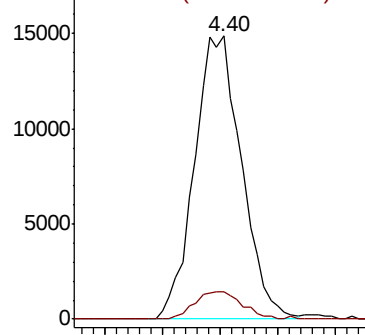
#17
Carbon Disulfide
Concen: 2.958 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

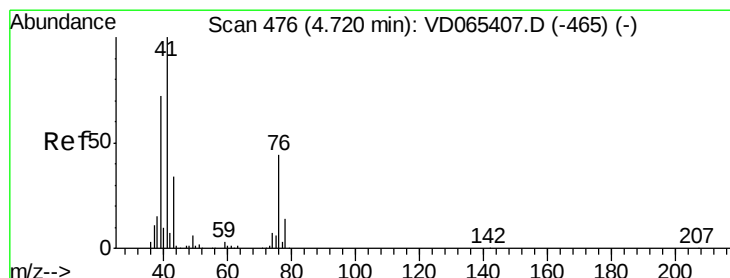
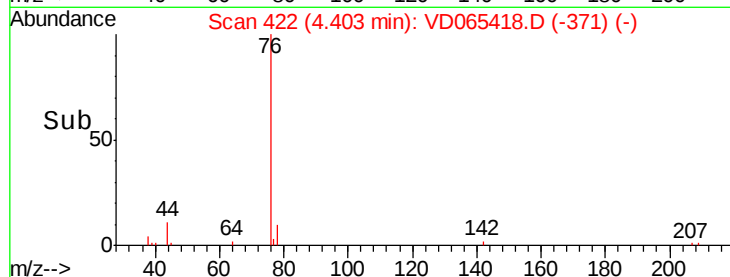
Tot Ion: 76 Resp: 42260
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

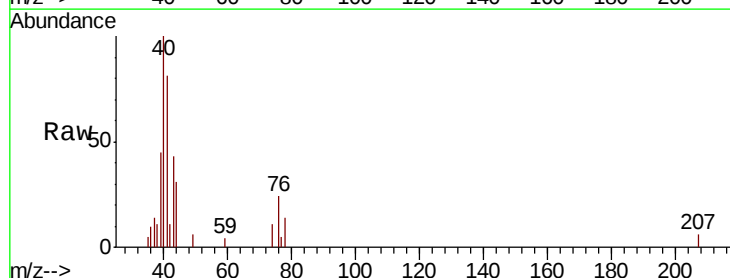


Time-->

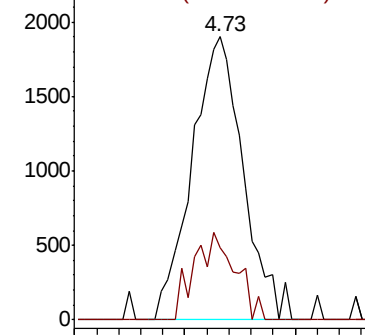


#18
Methyl Acetate
Concen: 3.044 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

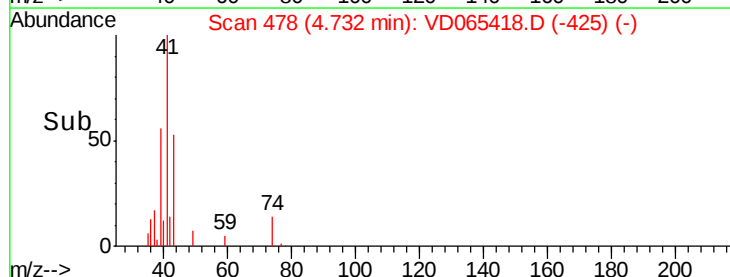
Tgt Ion: 43 Resp: 6178
Ion Ratio Lower Upper
43 100
74 25.3 19.6 29.4

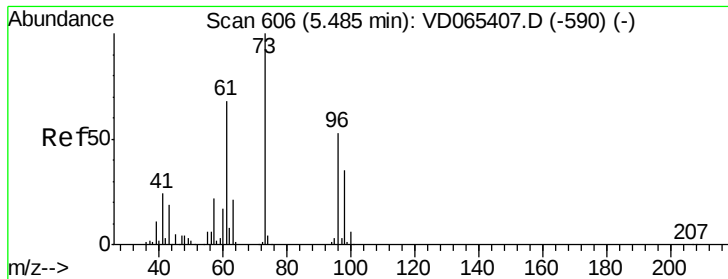


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->



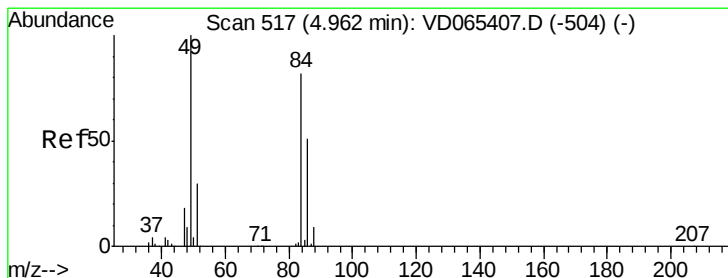
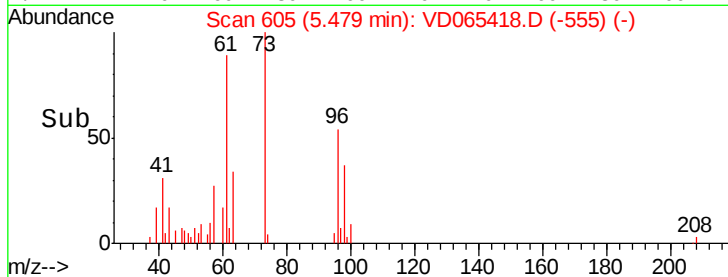
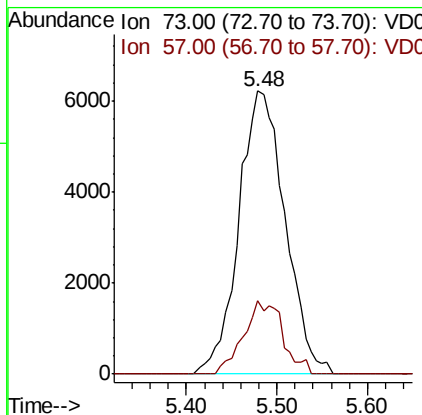
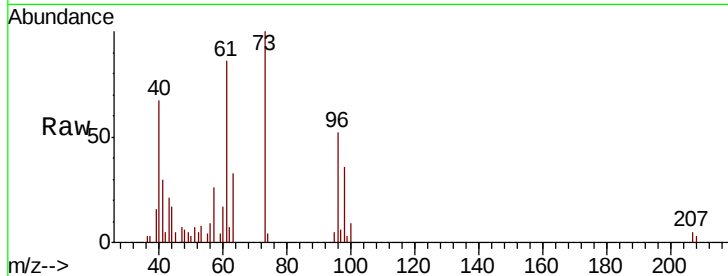


#19

Methyl tert-butyl Ether
 Concen: 2.679 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleID :

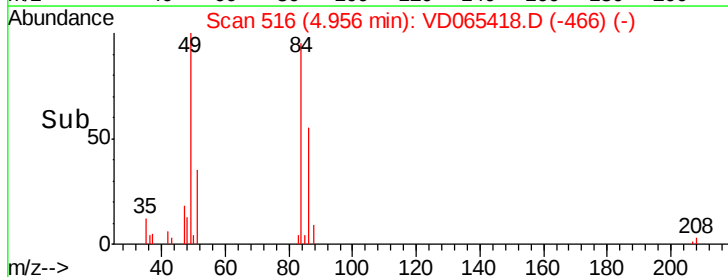
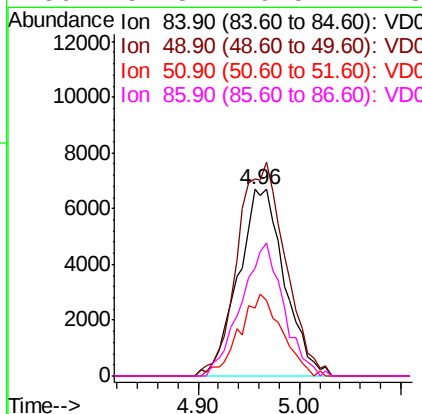
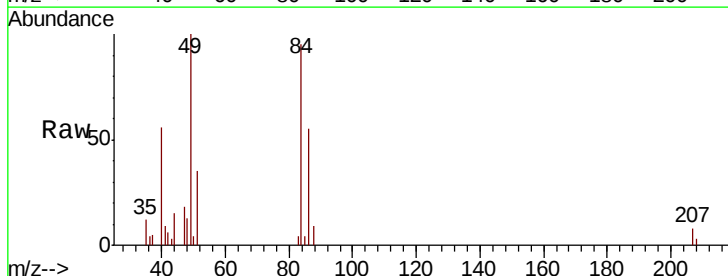
Tot Ion: 73 Resp: 22100
 Ion Ratio Lower Upper
 73 100
 57 25.9 17.3 25.9

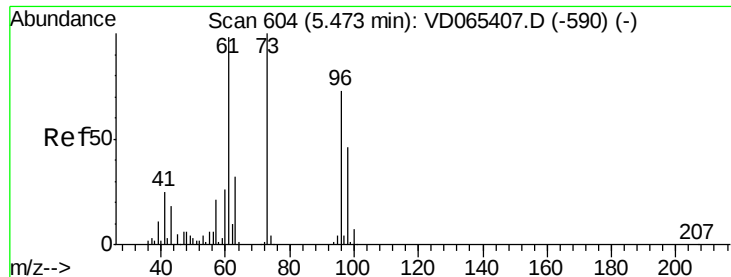


#20

Methylene Chloride
 Concen: 4.295 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 84 Resp: 21262
 Ion Ratio Lower Upper
 84 100
 49 105.3 97.7 146.5
 51 36.6 28.8 43.2
 86 57.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 2.913 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

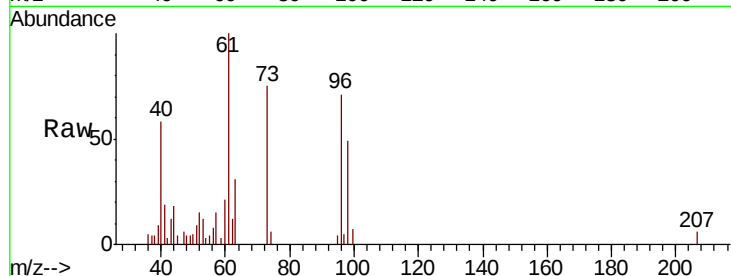
Tot Ion: 96 Resp: 13902

Ion Ratio Lower Upper

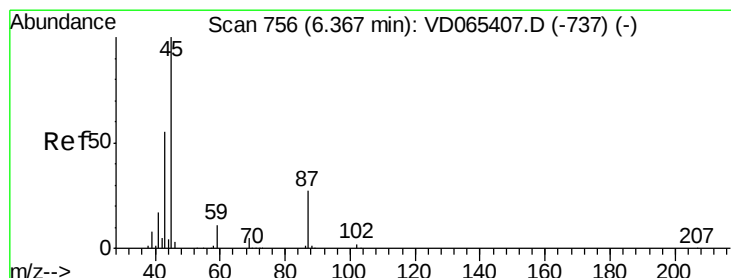
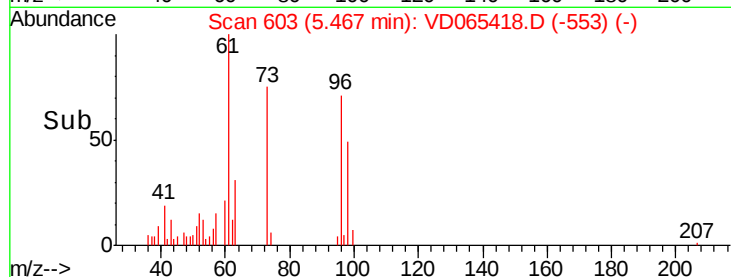
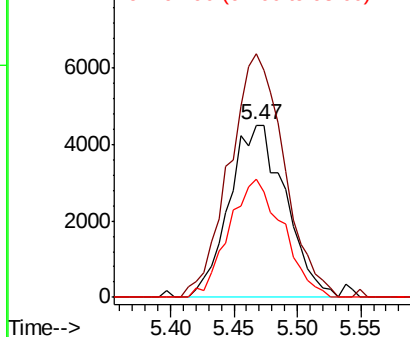
96 100

61 141.1 106.3 159.5

98 68.7 50.2 75.4



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



#22

Diisopropyl ether

Concen: 2.474 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion: 45 Resp: 30303

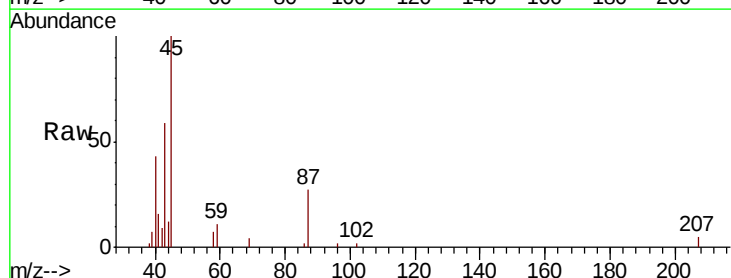
Ion Ratio Lower Upper

45 100

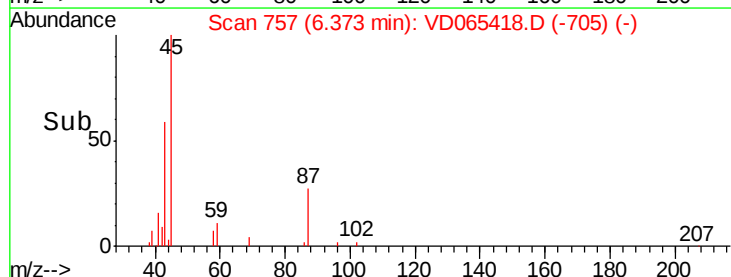
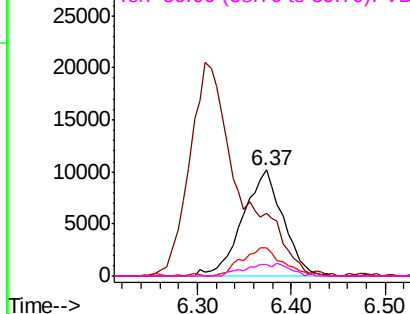
43 59.0 44.4 66.6

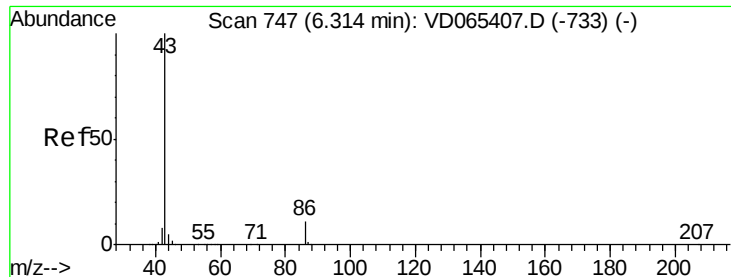
87 26.5 21.9 32.9

59 10.5 9.2 13.8



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

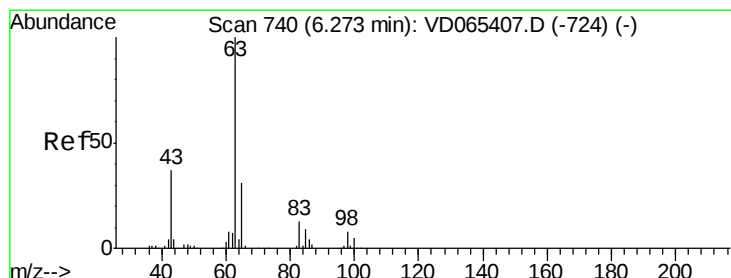
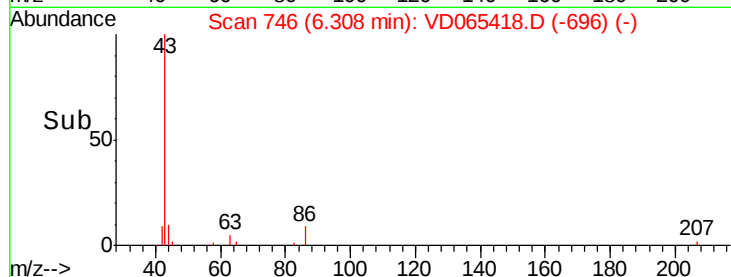
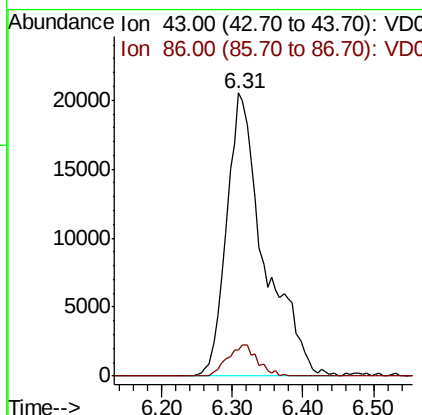
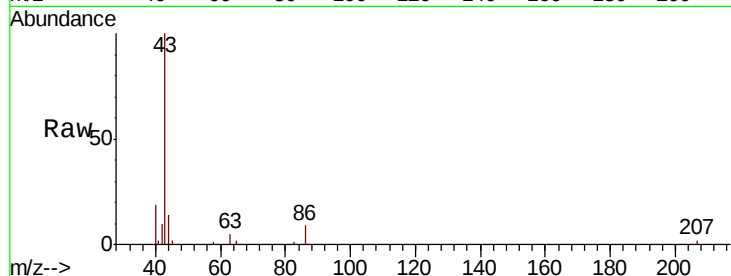




#23
 Vinyl Acetate
 Concen: 11.186 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

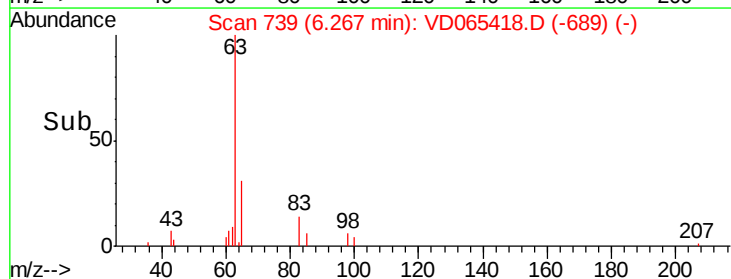
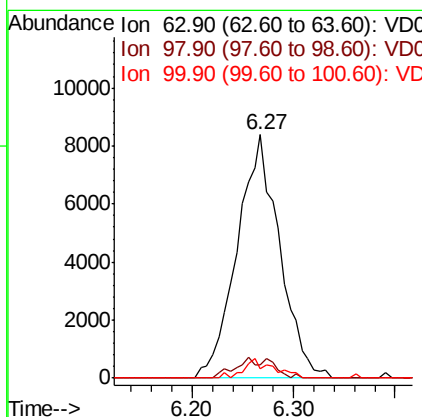
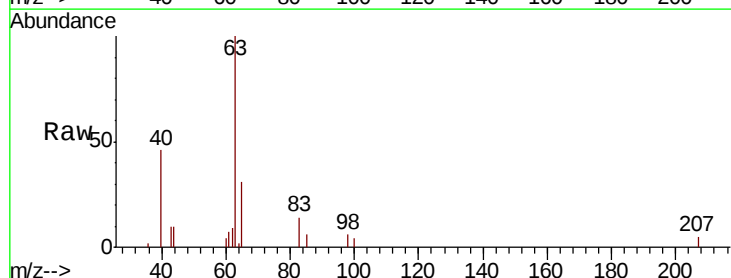
Instrument :
 MSVOA_D
 ClientSampleId :

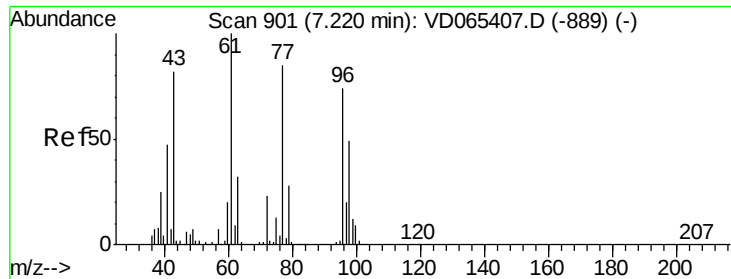
Tot Ion: 43 Resp: 76084
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 3.094 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 63 Resp: 24312
 Ion Ratio Lower Upper
 63 100
 98 5.5 4.2 12.6
 100 3.7 2.4 7.2





#25

2-Butanone

Concen: 14.126 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

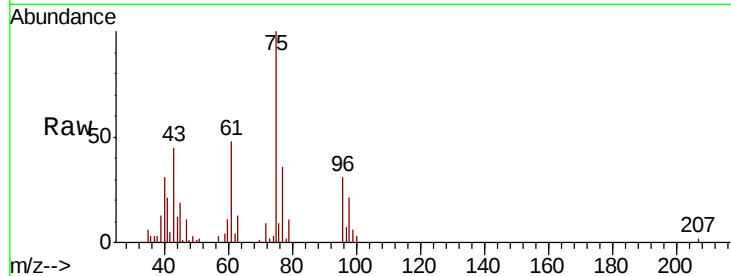
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 15425

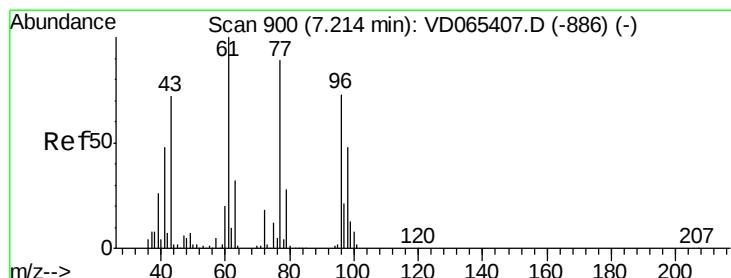
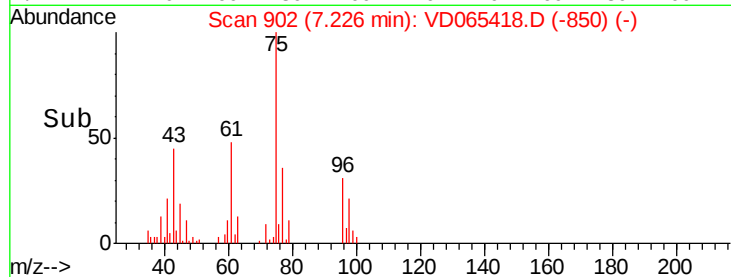
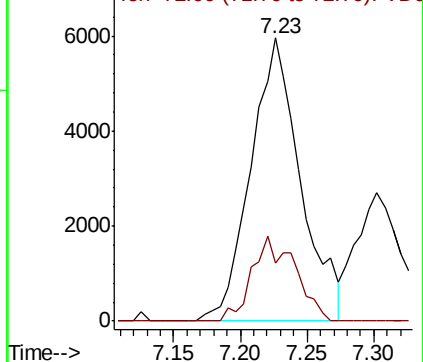
Ion Ratio Lower Upper

43 100

72 20.4 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.016 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065418.D

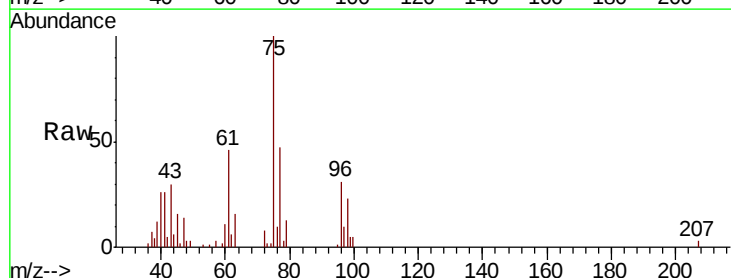
Acq: 04 Mar 2020 18:42

Tgt Ion: 77 Resp: 20712

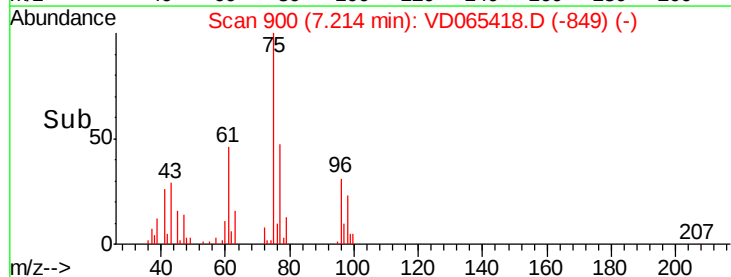
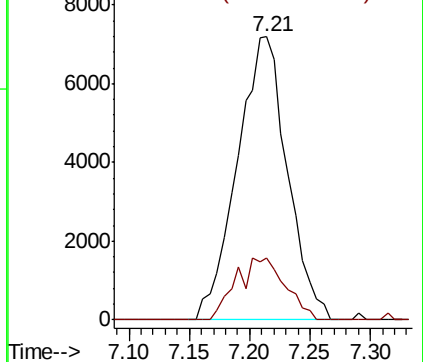
Ion Ratio Lower Upper

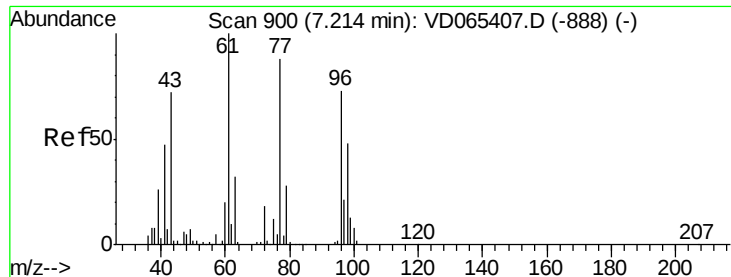
77 100

97 21.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



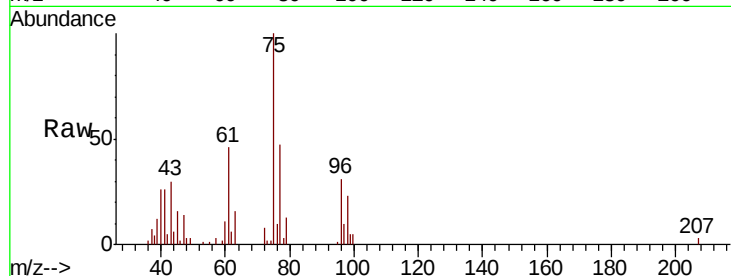


#27

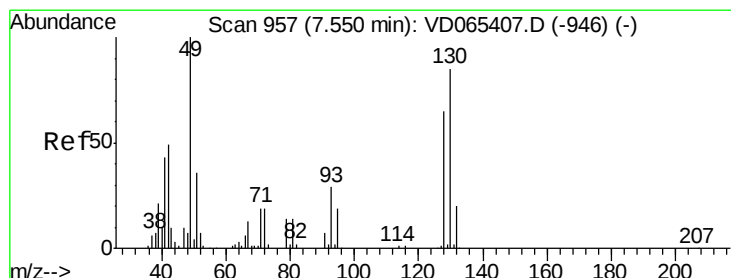
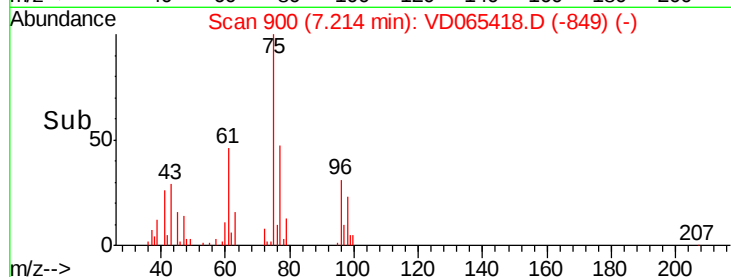
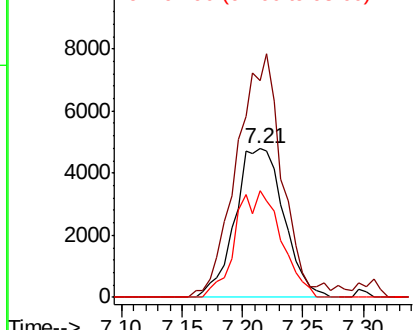
cis-1,2-Dichloroethene
 Concen: 2.768 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 13499
 Ion Ratio Lower Upper
 96 100
 61 149.9 0.0 280.4
 98 30.0 0.0 132.6



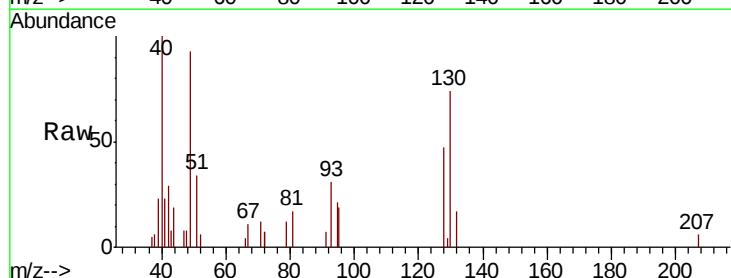
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



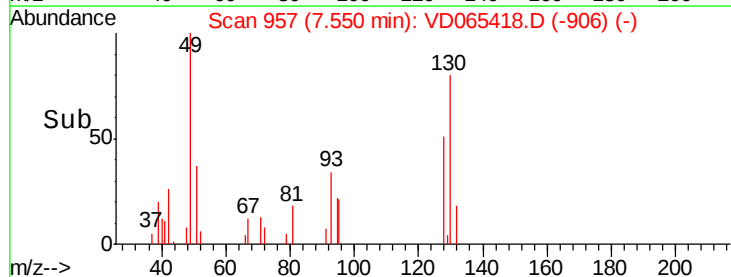
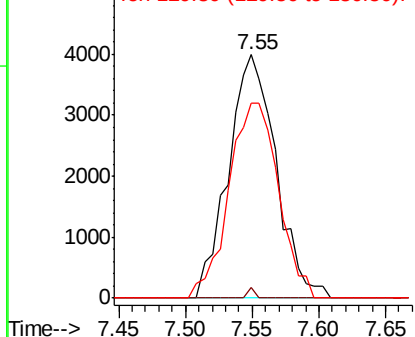
#28

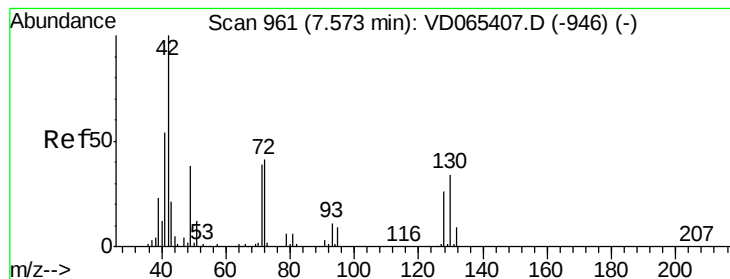
Bromochloromethane
 Concen: 3.148 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 49 Resp: 9895
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.6
 130 83.3 66.6 100.0



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





#29

Tetrahydrofuran

Concen: 11.759 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

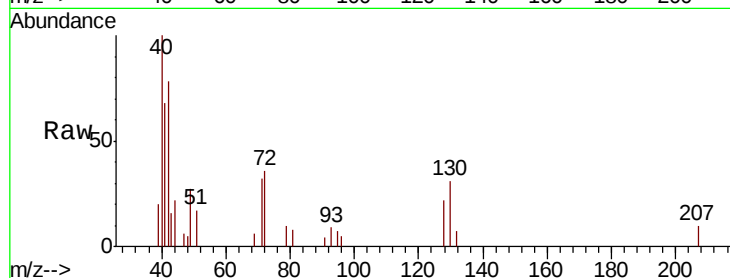
Tot Ion: 42 Resp: 8200

Ion Ratio Lower Upper

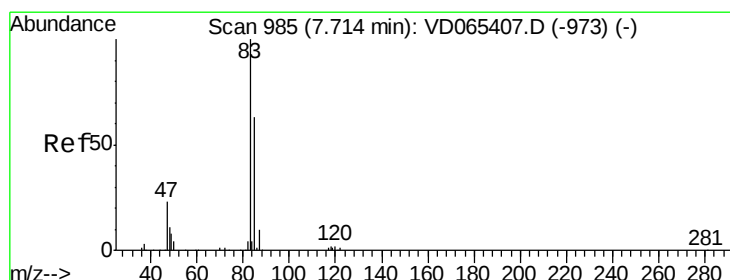
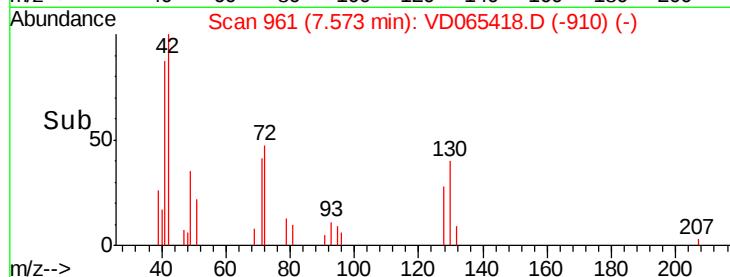
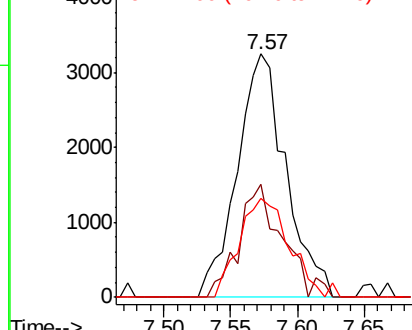
42 100

72 41.9 33.0 49.6

71 41.4 32.0 48.0



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: 3.123 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065418.D

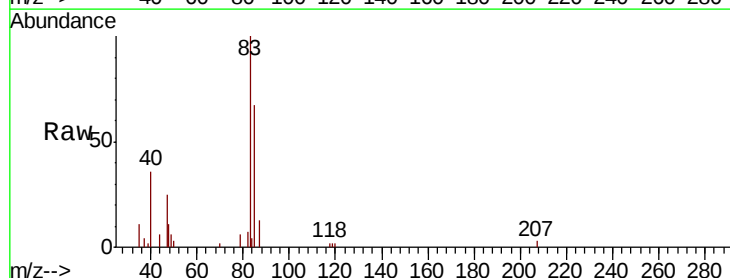
Acq: 04 Mar 2020 18:42

Tgt Ion: 83 Resp: 24527

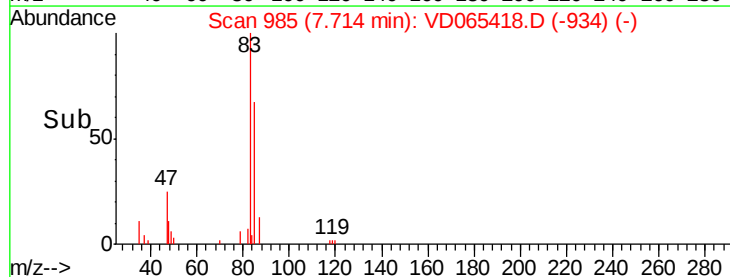
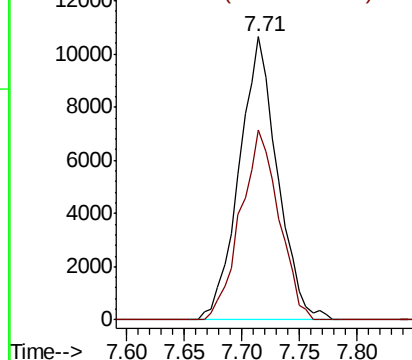
Ion Ratio Lower Upper

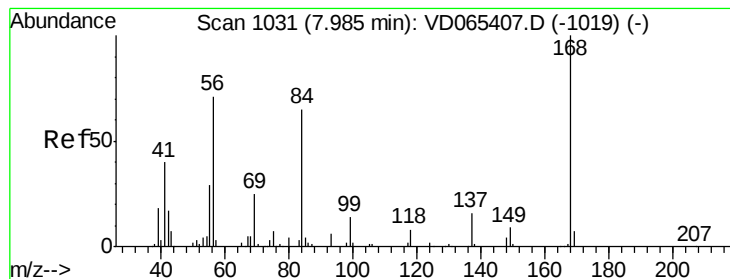
83 100

85 67.3 50.3 75.5



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





#31

Cyclohexane

Concen: 3.675 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

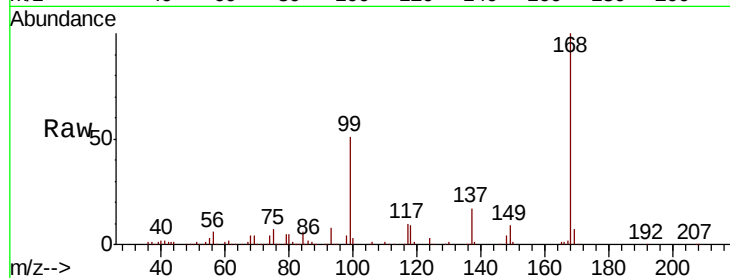
Tot Ion: 56 Resp: 28877

Ion Ratio Lower Upper

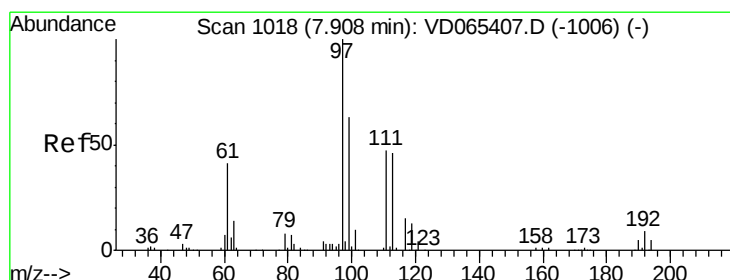
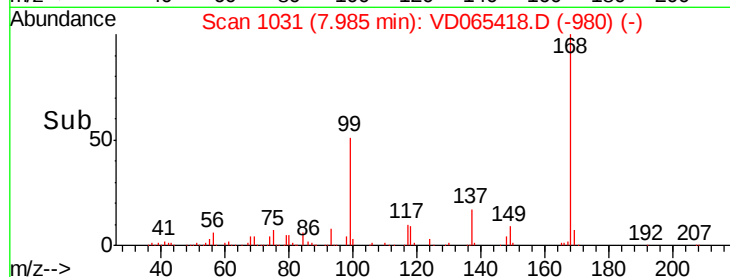
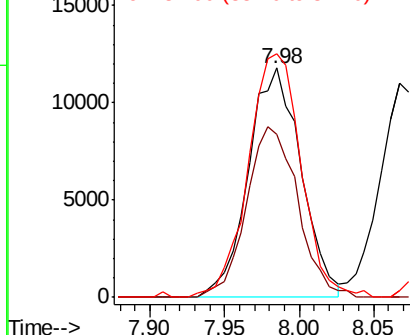
56 100

69 71.3 28.3 42.5#

84 106.2 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 2.860 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

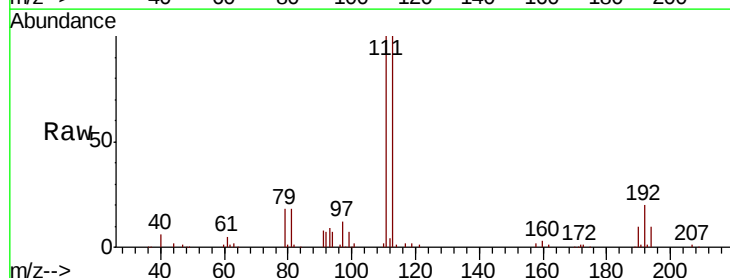
Tgt Ion: 97 Resp: 20759

Ion Ratio Lower Upper

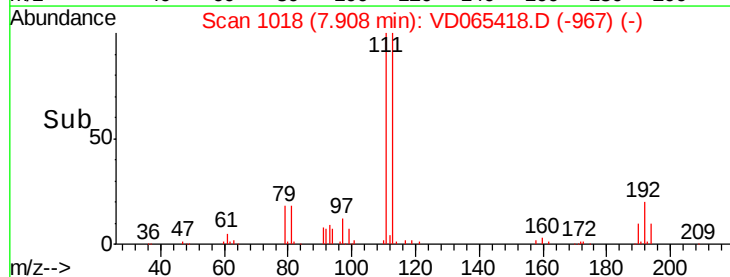
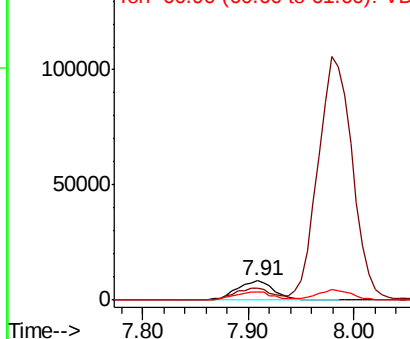
97 100

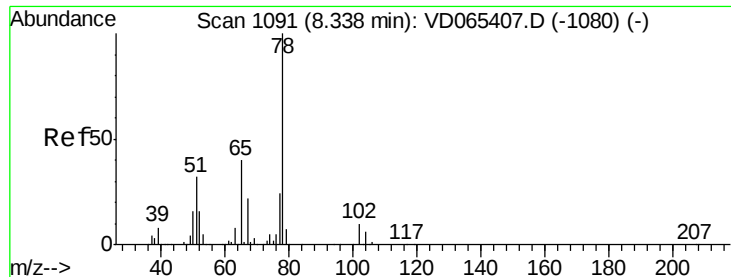
99 61.4 50.9 76.3

61 44.2 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.184 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

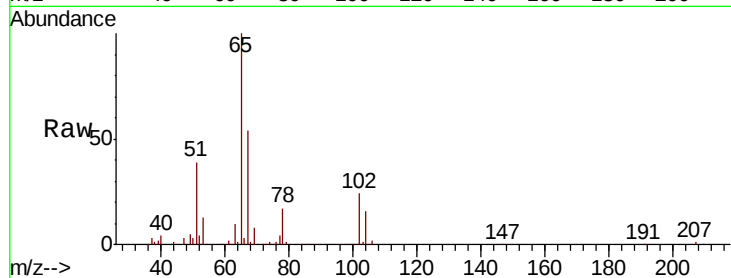
ClientSampleId :

Tot Ion: 65 Resp: 206470

Ion Ratio Lower Upper

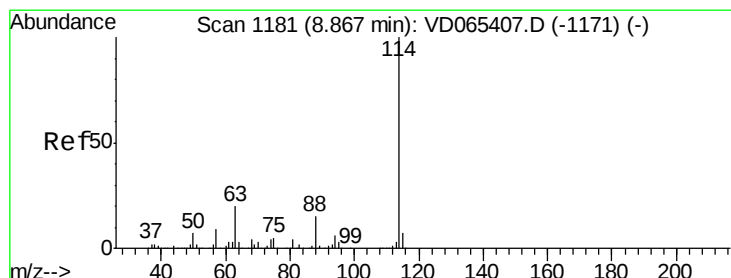
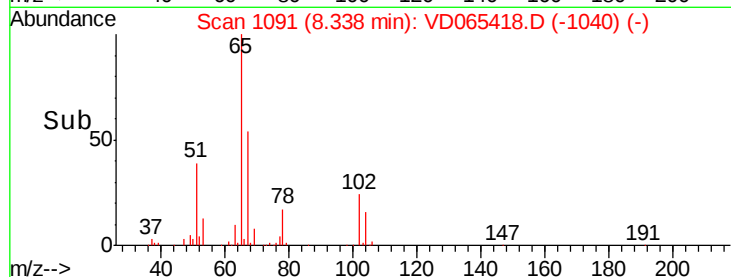
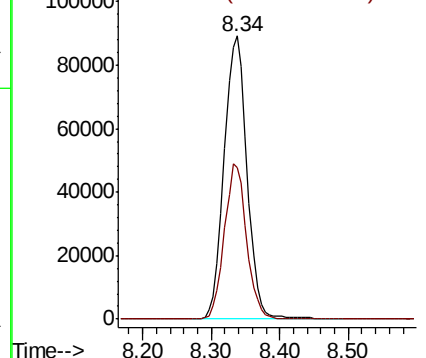
65 100

67 52.7 0.0 108.0



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: VD065418.D

Acq: 04 Mar 2020 18:42

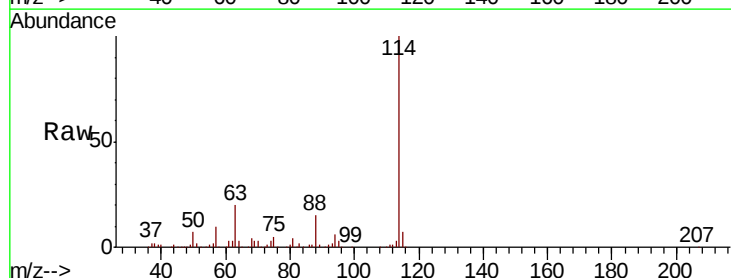
Tgt Ion: 114 Resp: 732320

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

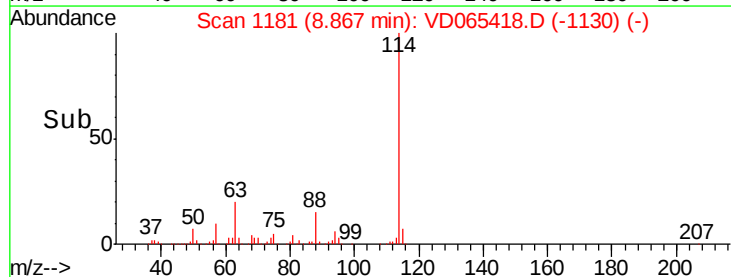
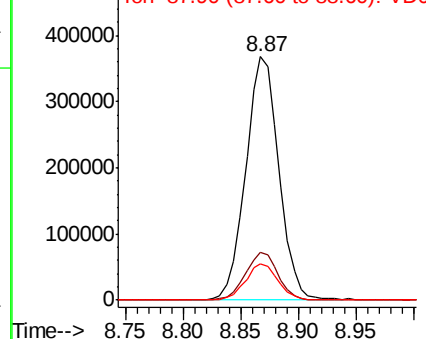
88 14.9 0.0 30.4



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

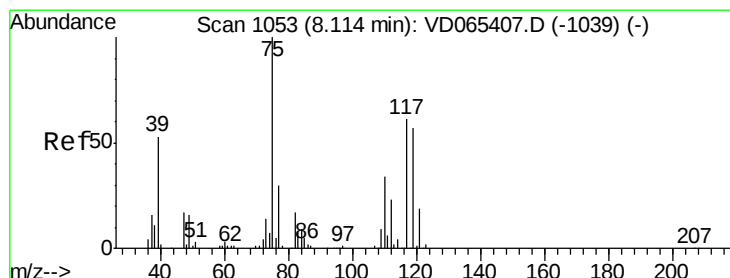
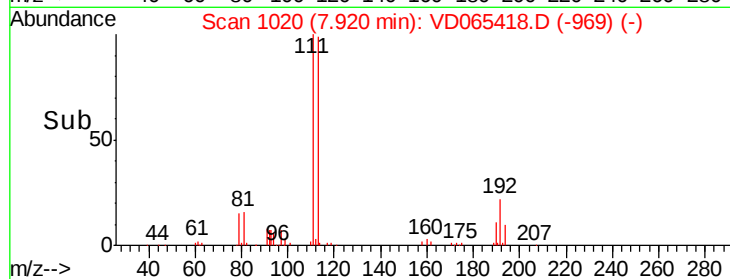
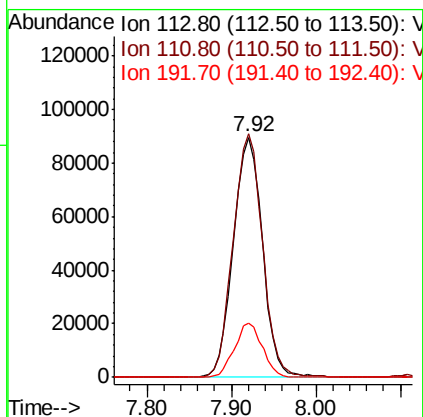
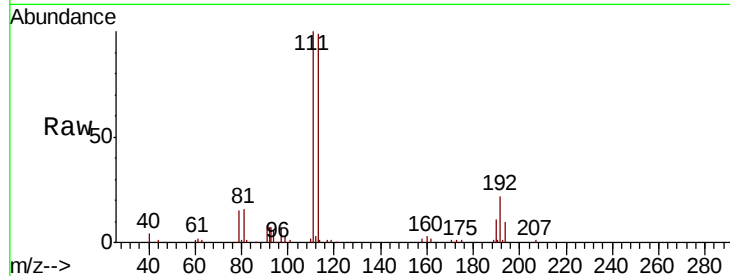




#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

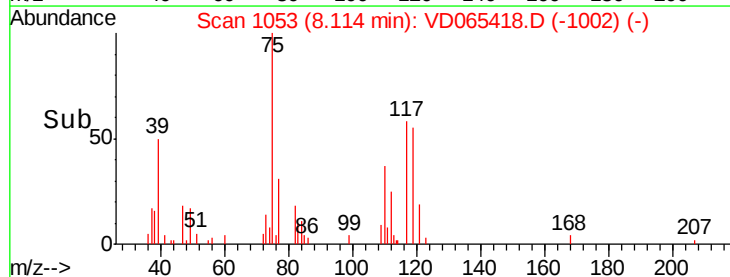
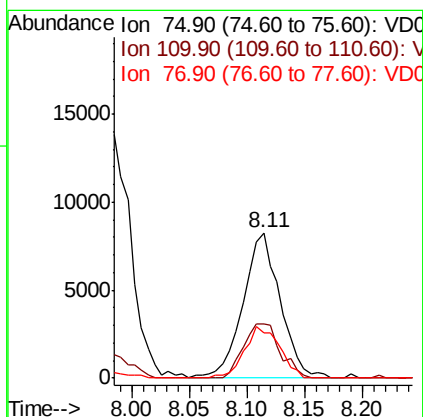
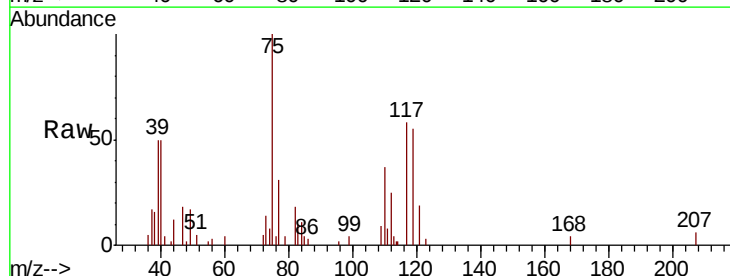
Instrument :
MSVOA_D
ClientSampleId :

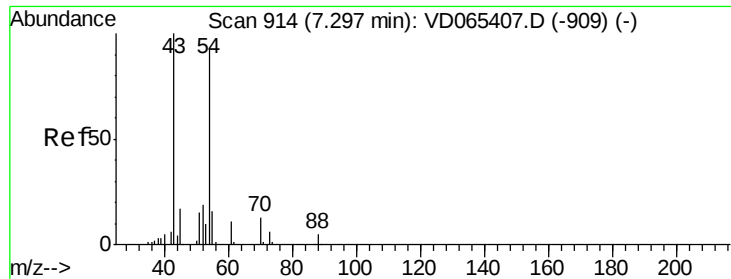
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	21.7	17.2	25.8



#36
1,1-Dichloropropene
Concen: 2.642 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	33.8	25.2	37.8

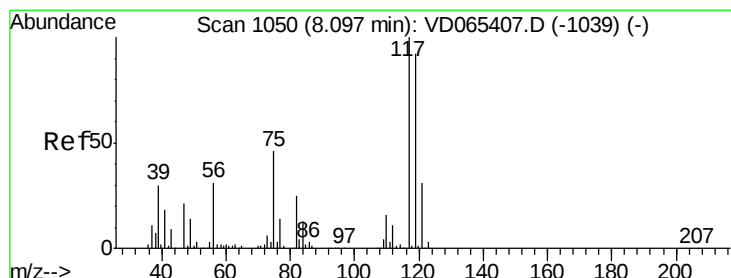
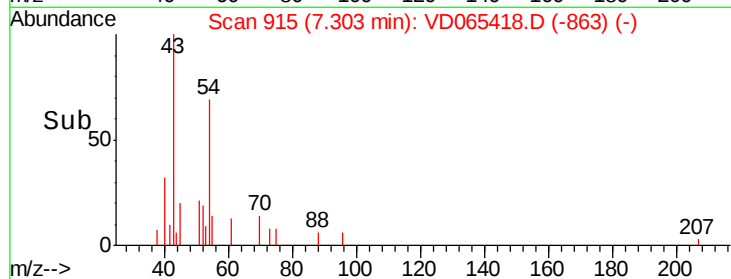
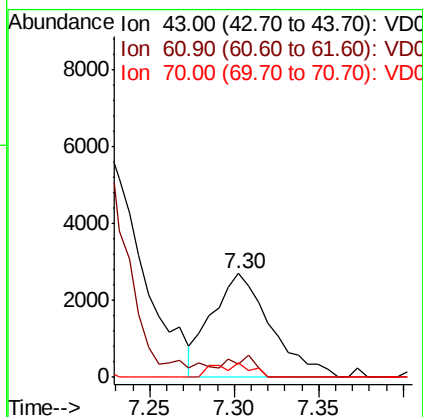
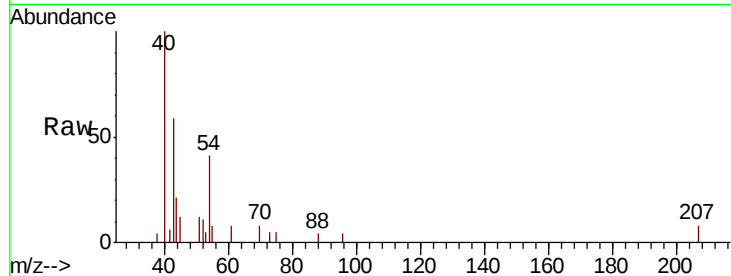




#37
Ethyl Acetate
Concen: 2.410 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

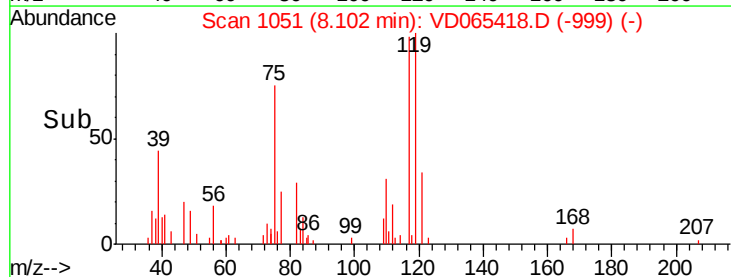
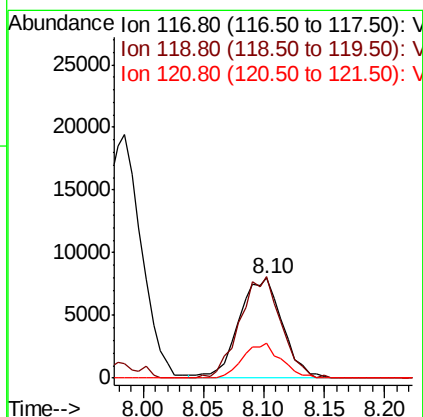
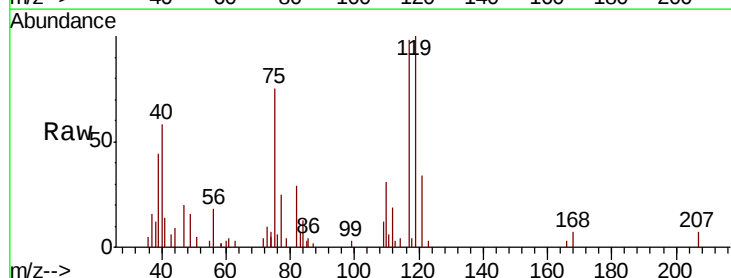
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 6538
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 4.4 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 2.760 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 117 Resp: 20093
Ion Ratio Lower Upper
117 100
119 102.1 73.3 109.9
121 34.5 25.0 37.4

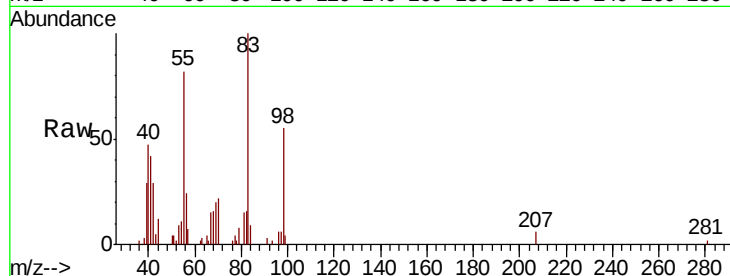




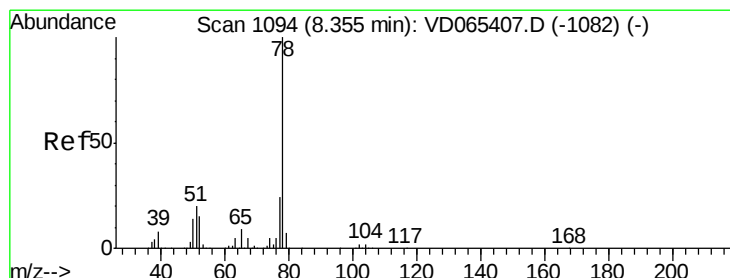
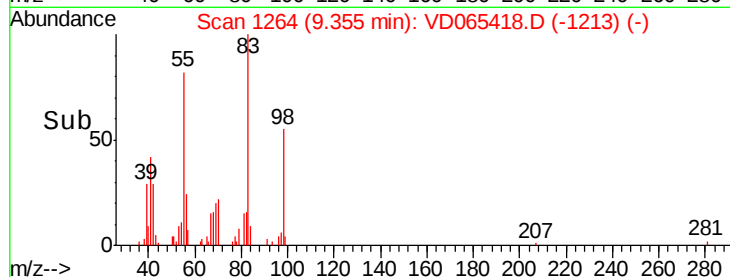
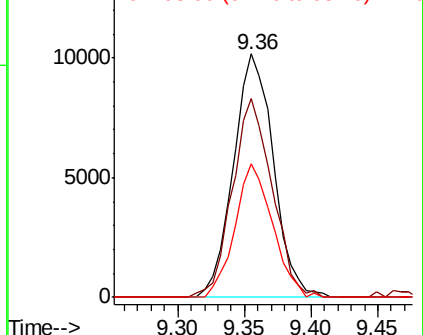
#39
Methvlcvclohexane
Concen: 2.495 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 21152
Ion Ratio Lower Upper
83 100
55 81.7 57.1 85.7
98 54.7 37.8 56.8

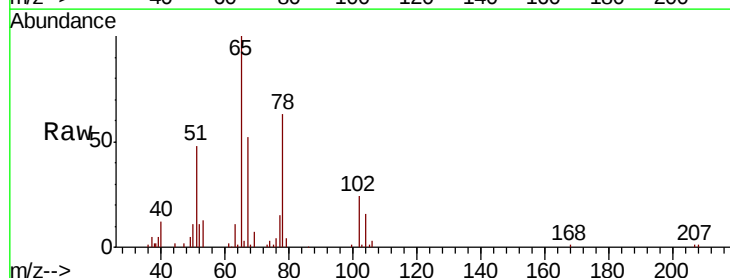


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

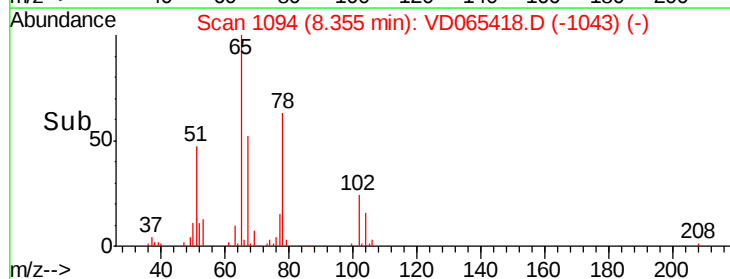
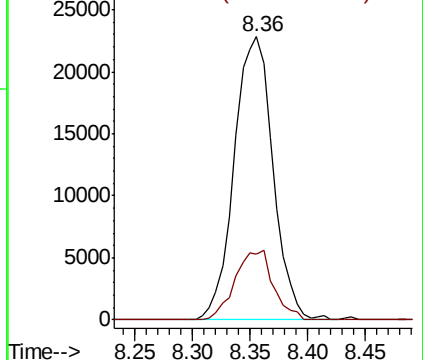


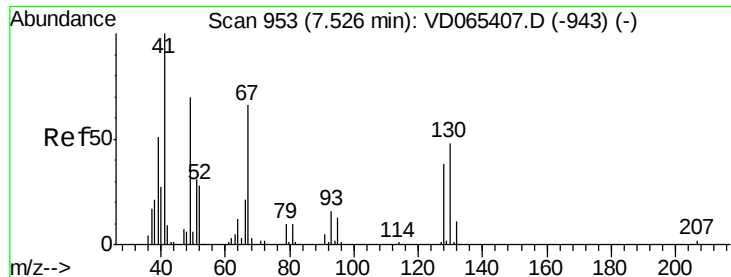
#40
Benzene
Concen: 2.709 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 78 Resp: 53177
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0



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

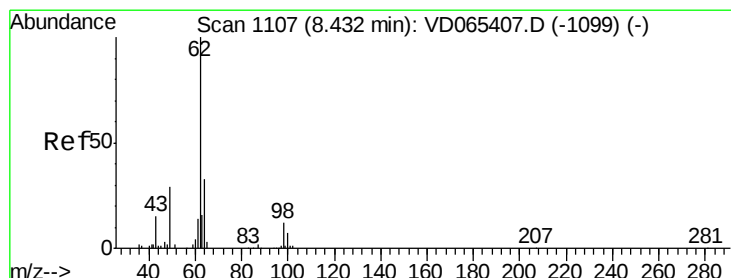
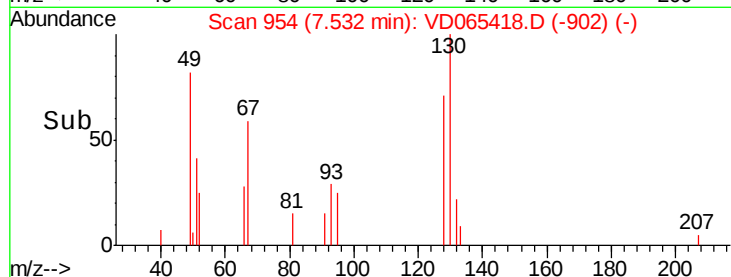
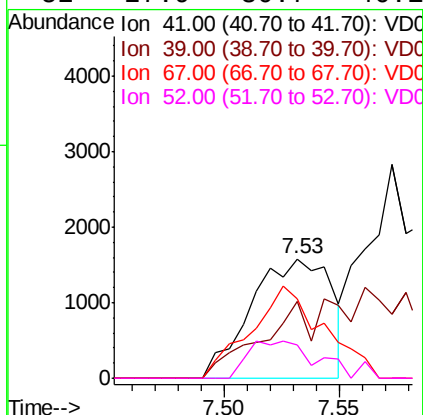
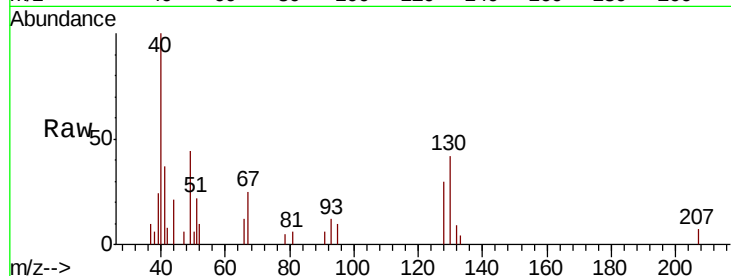




#41
Methacrylonitrile
Concen: 2.674 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

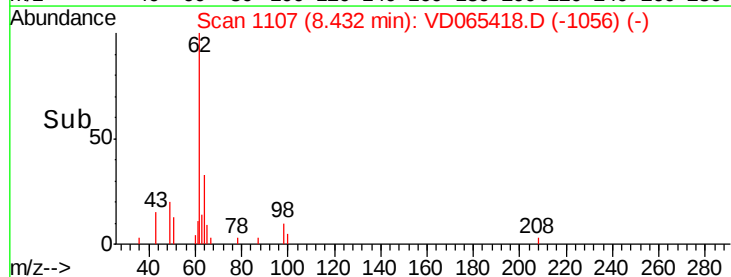
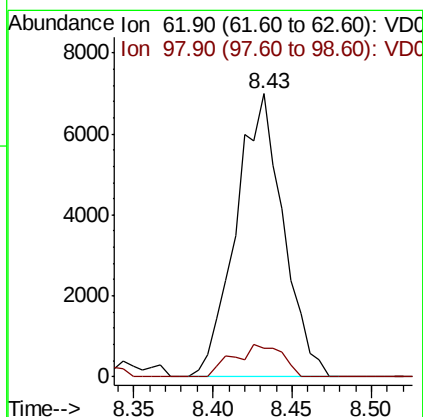
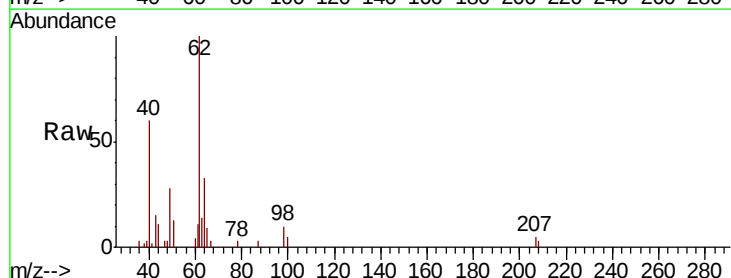
Instrument :
MSVOA_D
ClientSampleId :

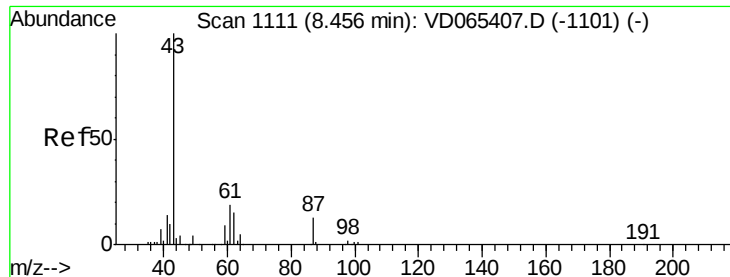
Tot Ion: 41 Resp: 3837
Ion Ratio Lower Upper
41 100
39 38.8 55.0 82.6#
67 69.9 70.3 105.5#
52 27.9 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 2.828 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 62 Resp: 14495
Ion Ratio Lower Upper
62 100
98 11.7 0.0 21.4





#43

Isopropyl Acetate

Concen: 2.487 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

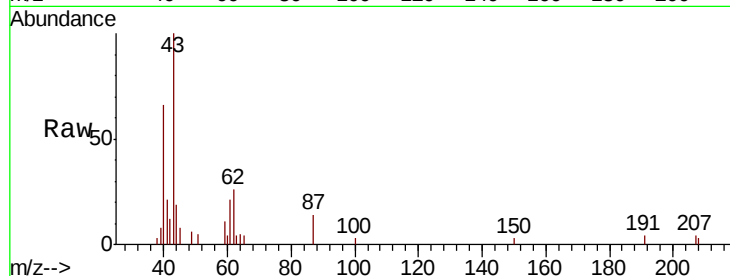
Tot Ion: 43 Resp: 12459

Ion Ratio Lower Upper

43 100

61 29.7 25.0 37.6

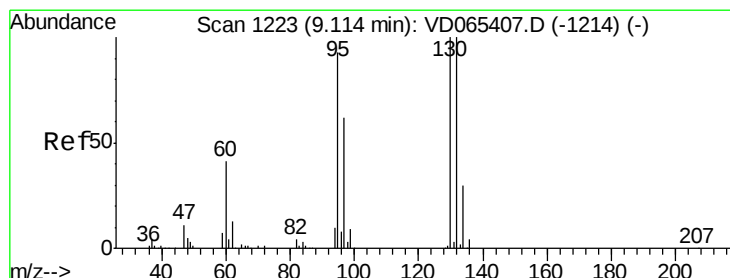
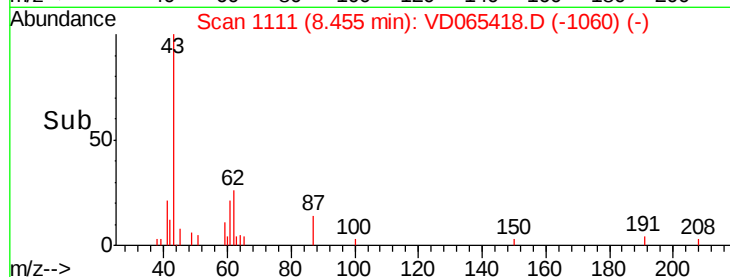
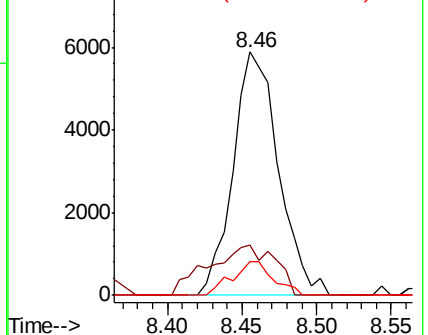
87 12.4 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 2.883 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065418.D

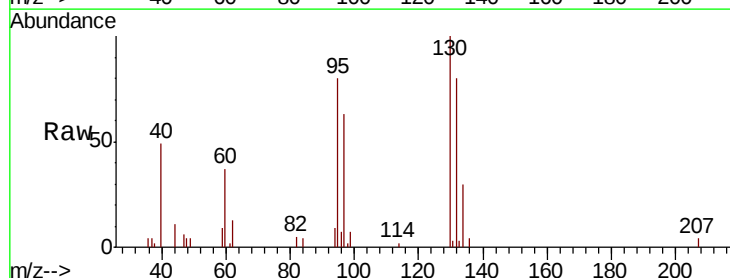
Acq: 04 Mar 2020 18:42

Tgt Ion: 130 Resp: 15980

Ion Ratio Lower Upper

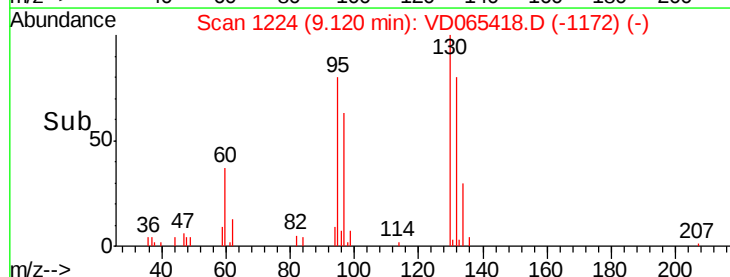
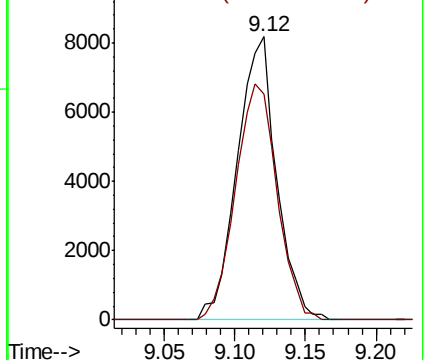
130 100

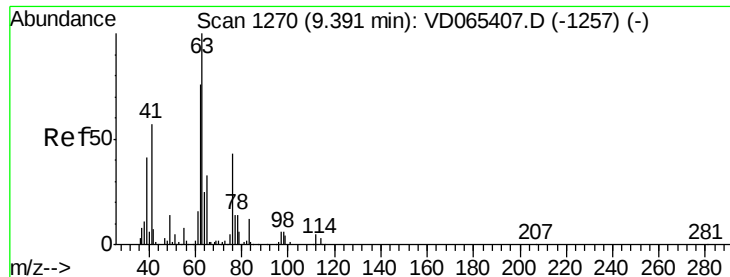
95 79.7 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

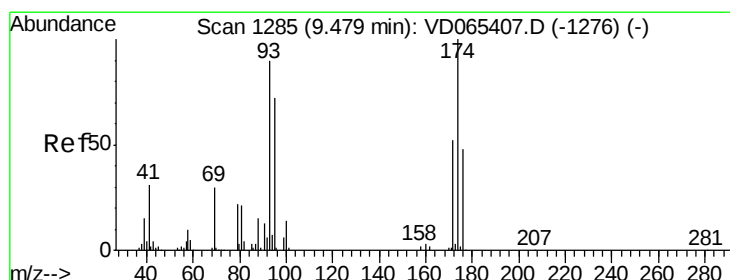
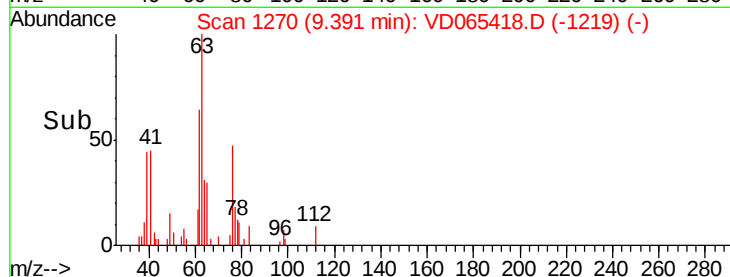
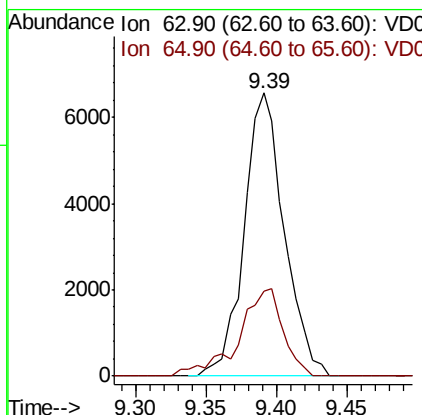
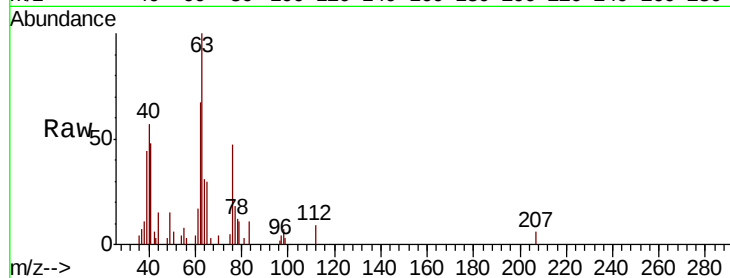




#45
 1,2-Dichloropropane
 Concen: 2.749 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

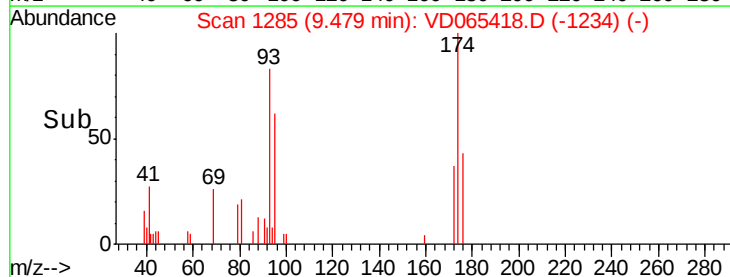
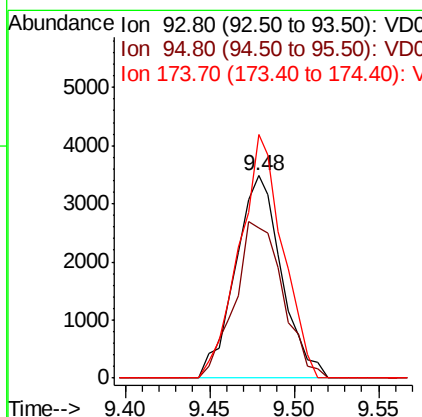
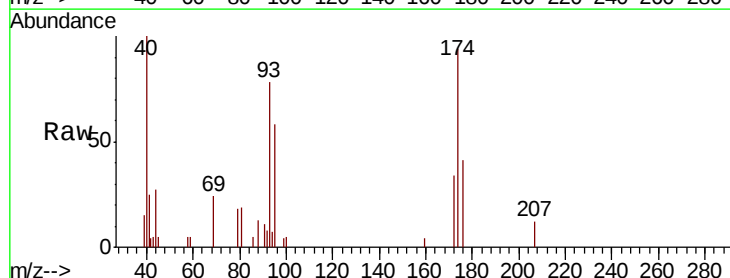
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 13068
 Ion Ratio Lower Upper
 63 100
 65 30.1 26.4 39.6



#46
 Dibromomethane
 Concen: 2.680 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 93 Resp: 6610
 Ion Ratio Lower Upper
 93 100
 95 80.4 65.0 97.6
 174 113.6 88.3 132.5





#47

Bromodichloromethane

Concen: 2.757 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

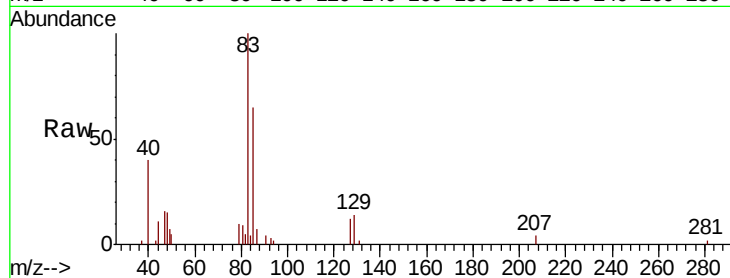
Tot Ion: 83 Resp: 17690

Ion Ratio Lower Upper

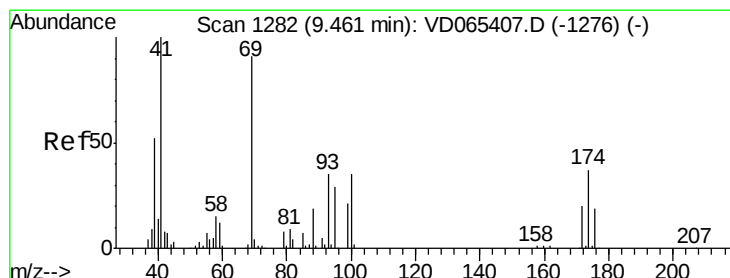
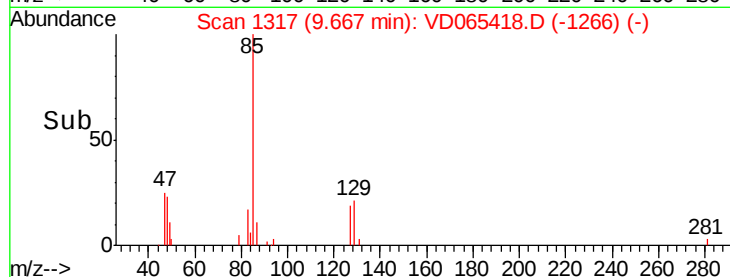
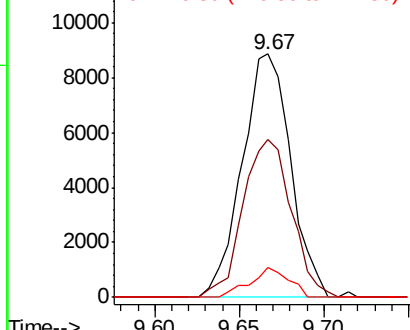
83 100

85 64.7 52.8 79.2

127 12.0 8.0 12.0#



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



#48

Methyl methacrylate

Concen: 2.157 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

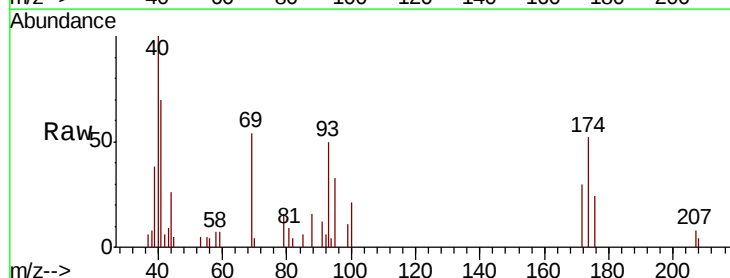
Tgt Ion: 41 Resp: 5084

Ion Ratio Lower Upper

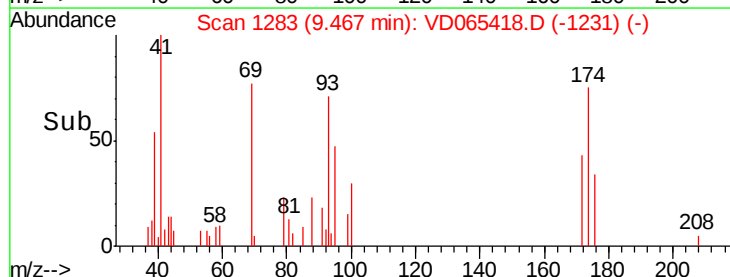
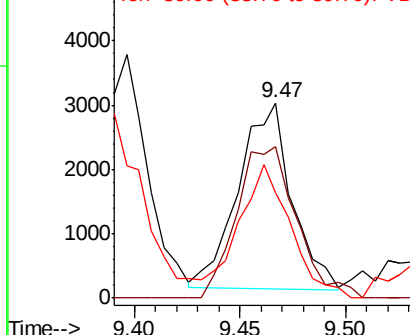
41 100

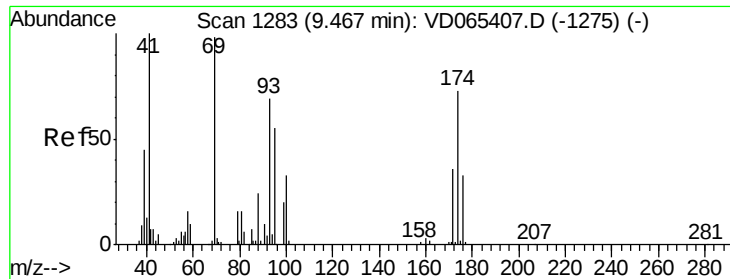
69 91.3 72.5 108.7

39 70.0 41.6 62.4#



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

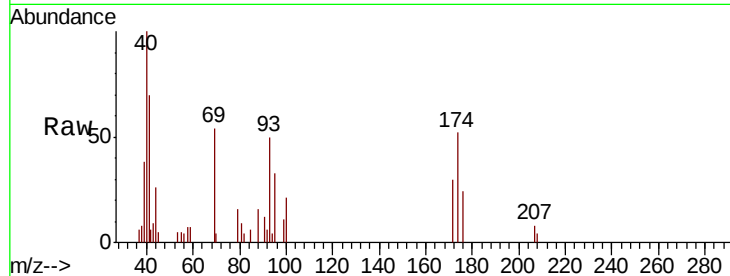




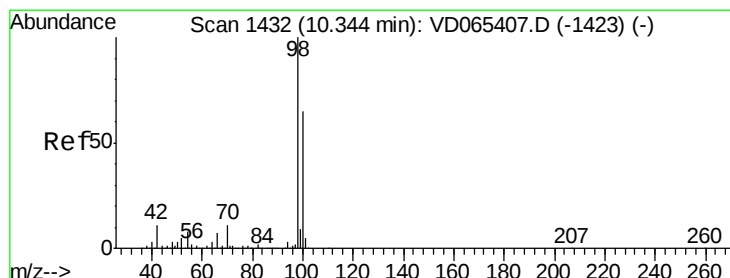
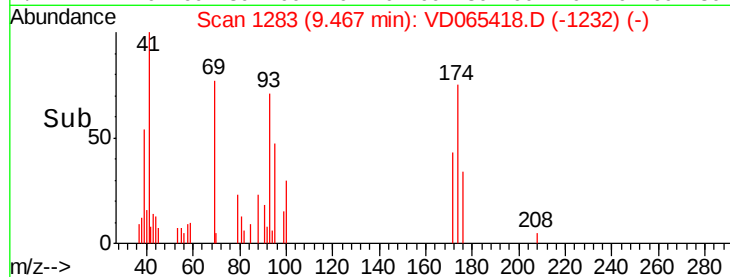
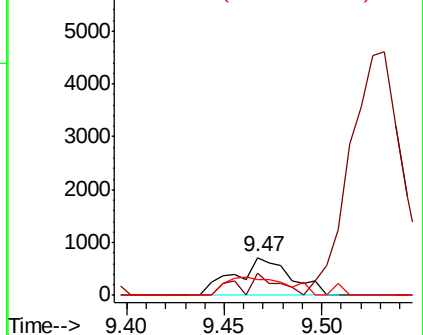
#49
1,4-Dioxane
Concen: 50.127 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 1414
Ion Ratio Lower Upper
88 100
43 25.6 24.5 36.7
58 53.7 54.5 81.7#

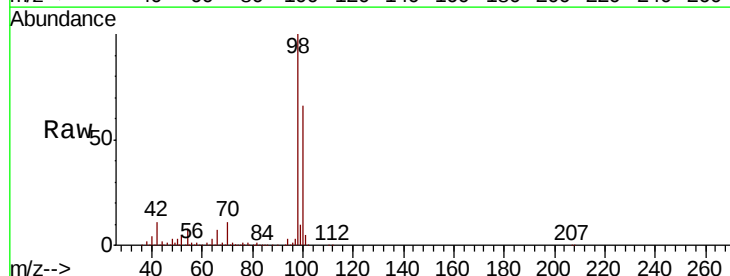


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

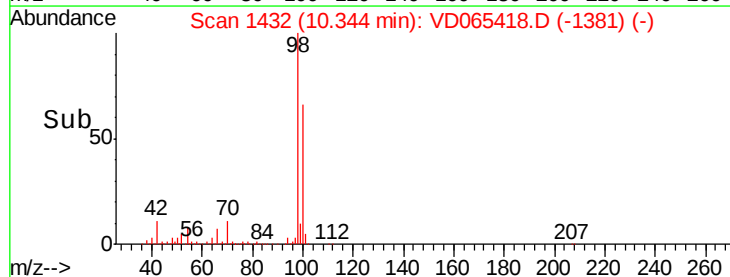
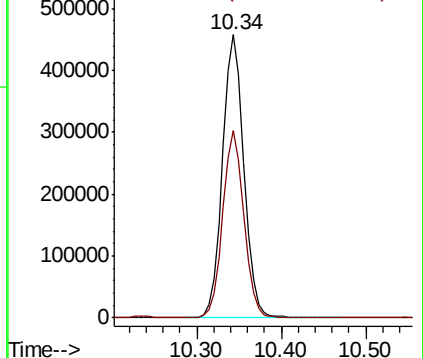


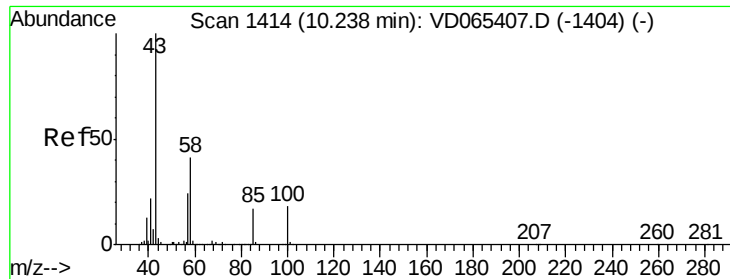
#50
Toluene-d8
Concen: 46.131 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 98 Resp: 801480
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



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

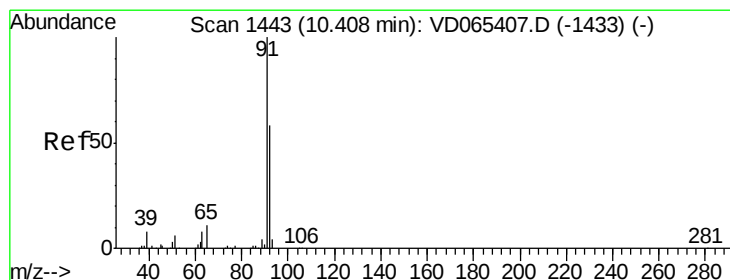
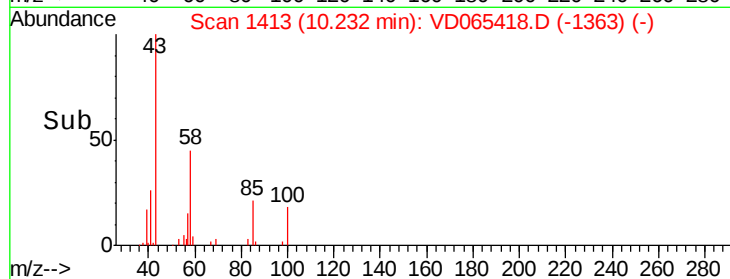
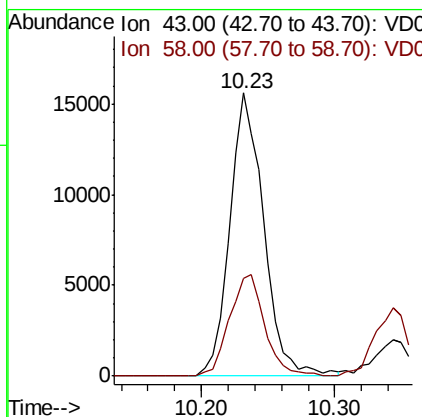
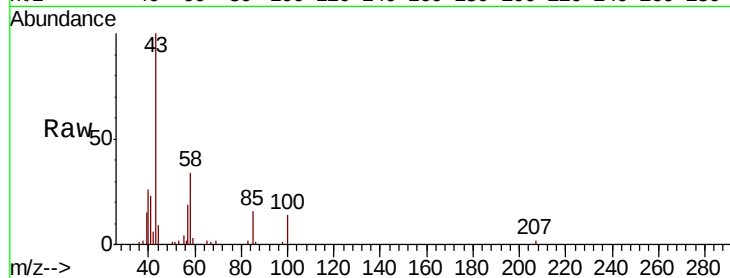




#51
4-Methyl-2-Pentanone
Concen: 10.935 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

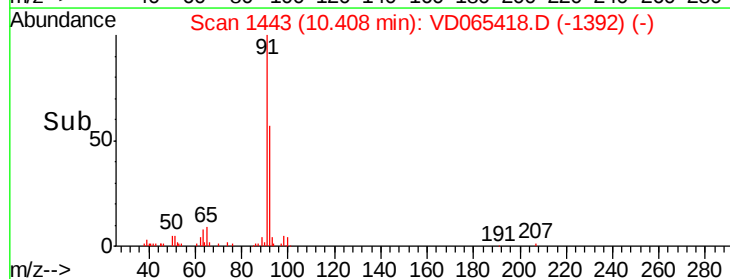
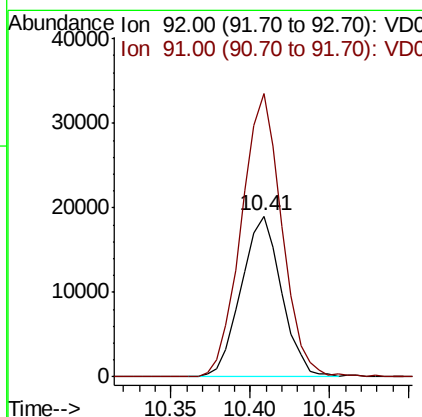
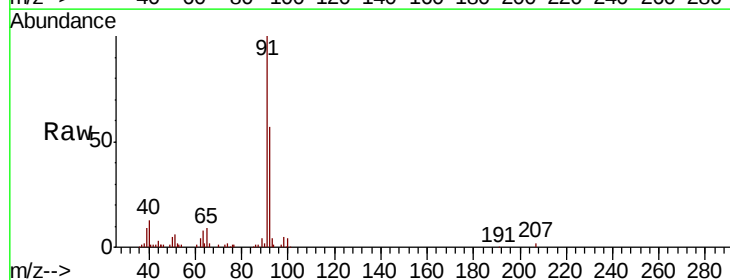
Instrument :
MSVOA_D
ClientSampleId :

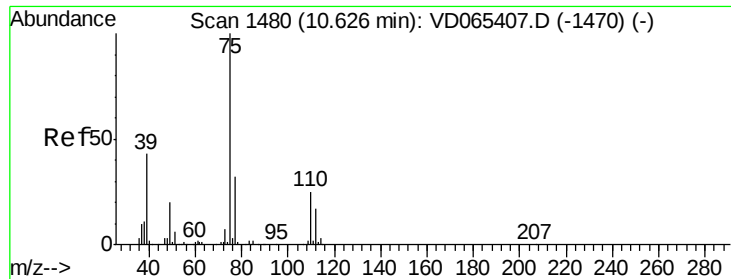
Tot Ion: 43 Resp: 27567
Ion Ratio Lower Upper
43 100
58 37.1 31.8 47.6



#52
Toluene
Concen: 2.719 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 92 Resp: 33615
Ion Ratio Lower Upper
92 100
91 177.4 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 2.543 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

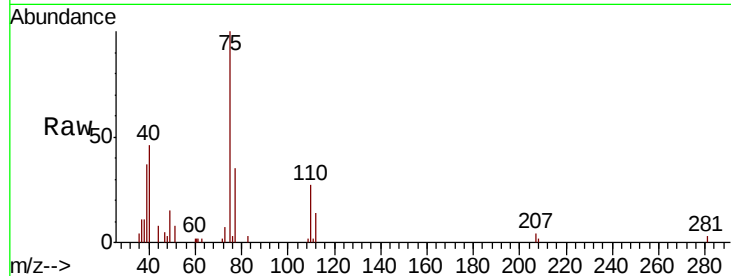
ClientSampled :

Tot Ion: 75 Resp: 15247

Ion Ratio Lower Upper

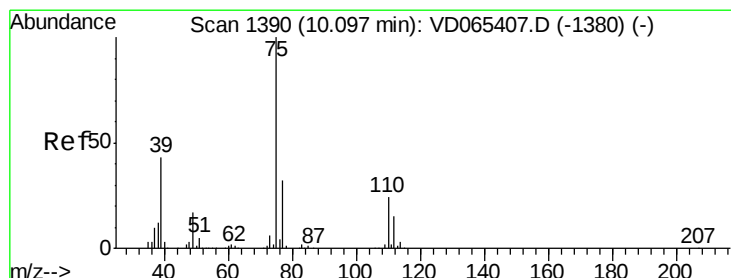
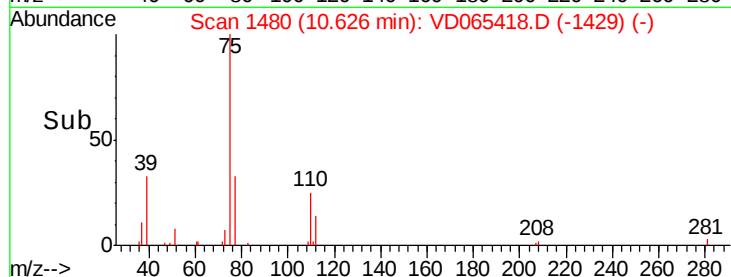
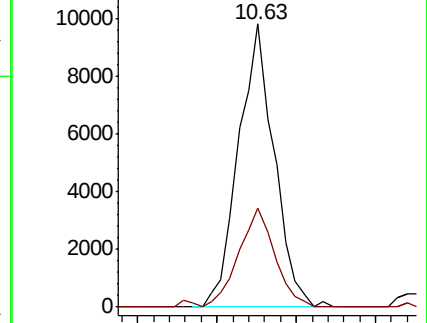
75 100

77 34.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 2.390 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

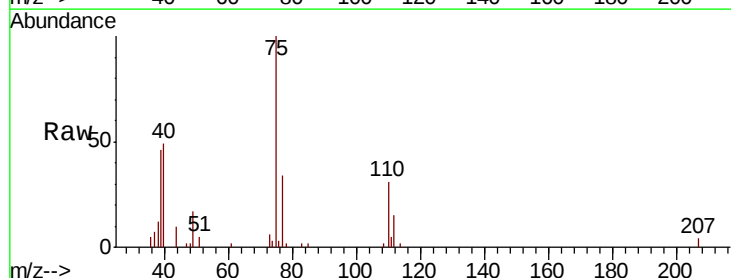
Tgt Ion: 75 Resp: 17346

Ion Ratio Lower Upper

75 100

77 33.8 25.3 37.9

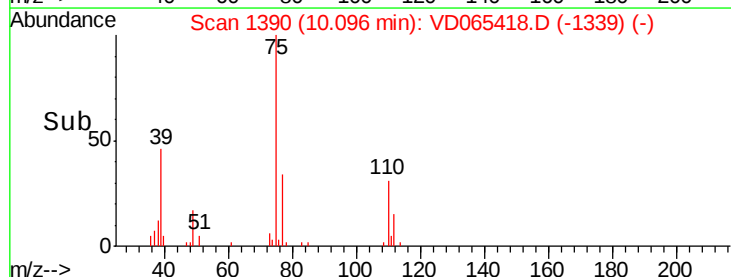
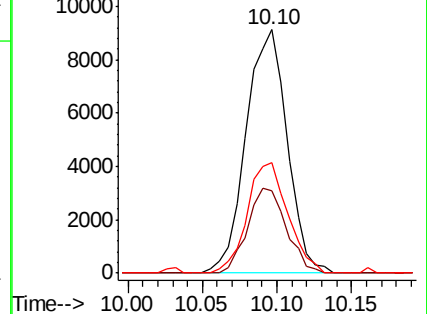
39 45.6 34.6 52.0

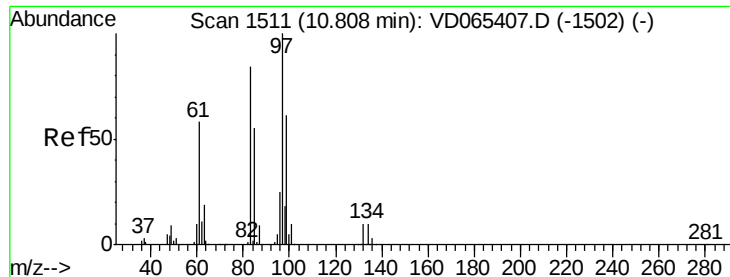


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

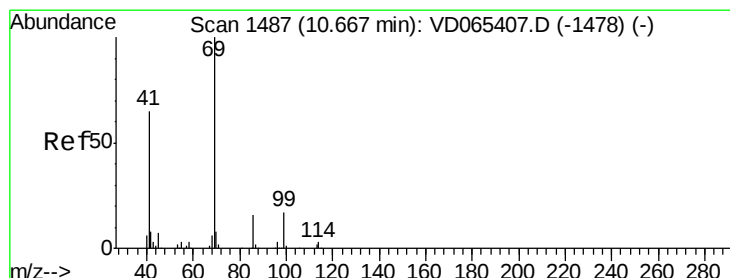
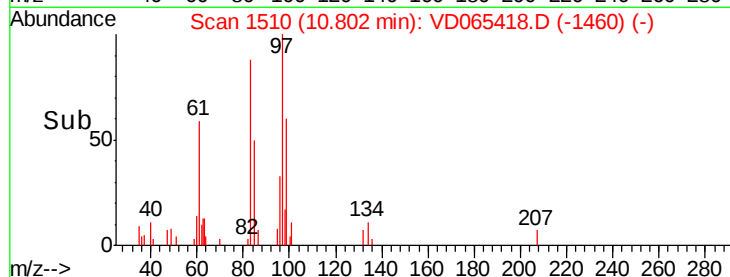
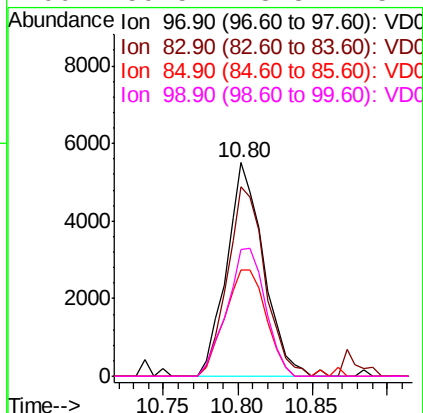
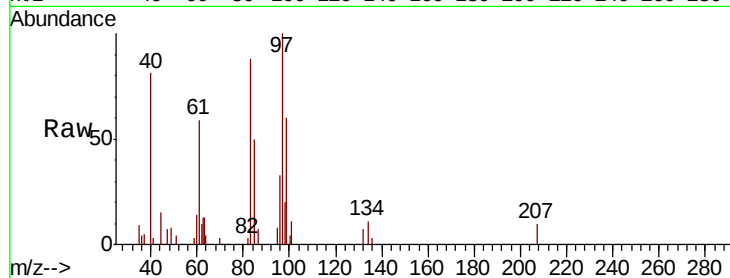




#55
 1,1,2-Trichloroethane
 Concen: 2.738 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

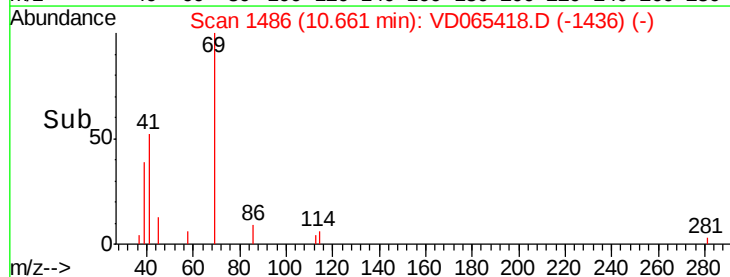
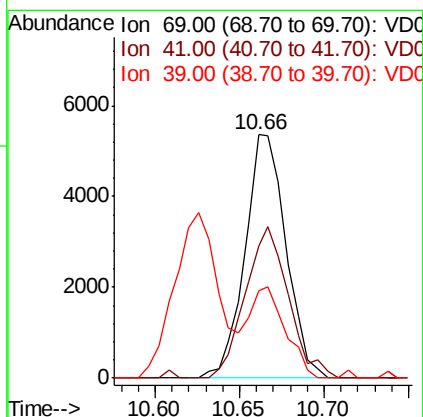
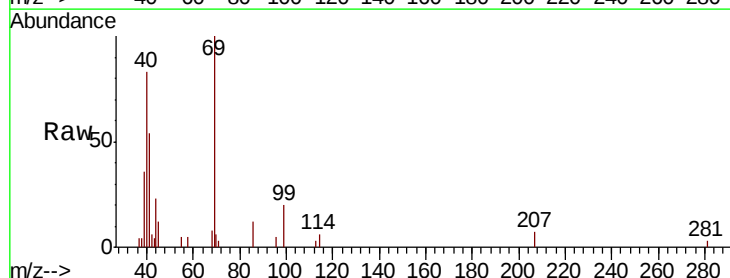
Instrument :
 MSVOA_D
 ClientSampleId :

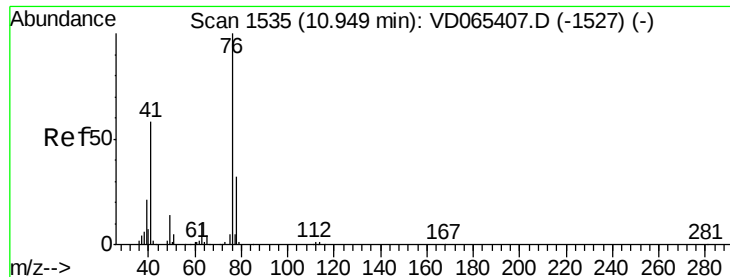
Tot Ion:	97	Resp:	9563
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.4	101.0
85	49.9	43.8	65.8
99	59.5	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 2.304 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion:	69	Resp:	9072
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.0	79.6
39	32.8	26.0	39.0





#57

1,3-Dichloropropane

Concen: 2.570 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

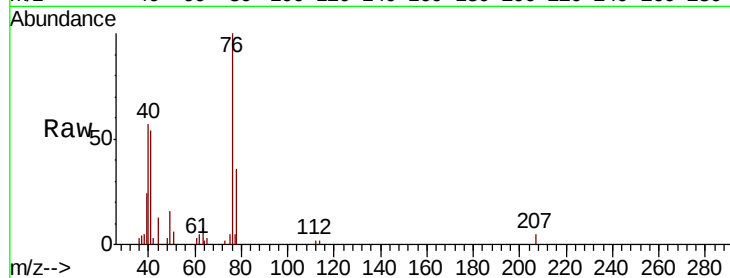
ClientSampleId :

Tot Ion: 76 Resp: 15186

Ion Ratio Lower Upper

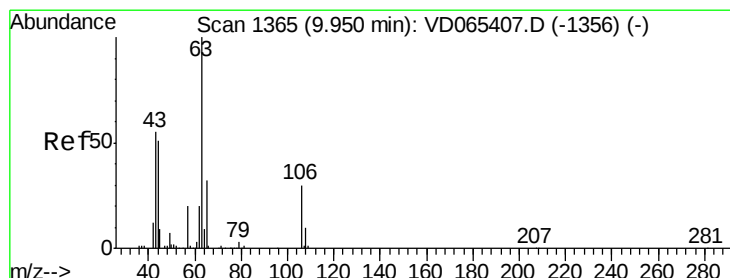
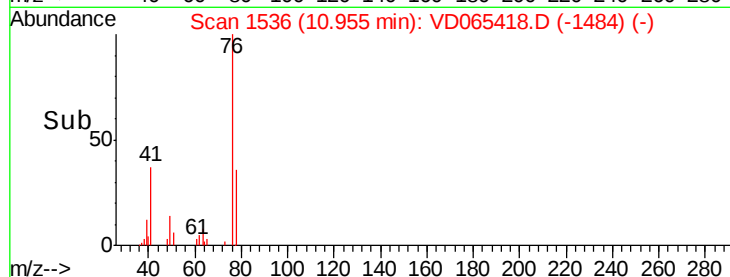
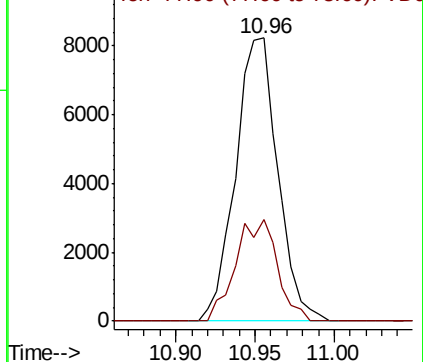
76 100

78 35.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 9.866 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065418.D

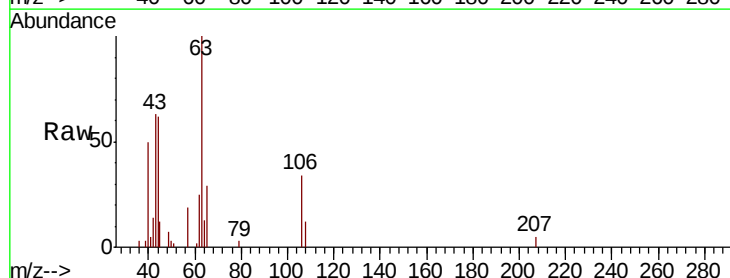
Acq: 04 Mar 2020 18:42

Tgt Ion: 63 Resp: 12528

Ion Ratio Lower Upper

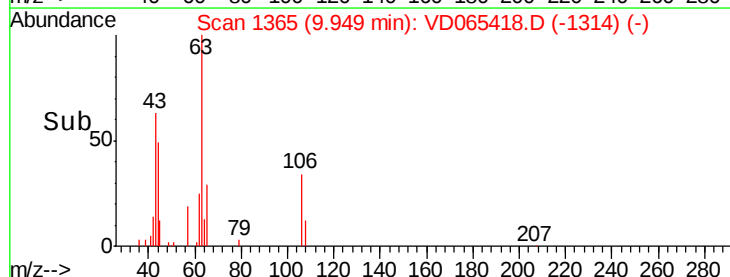
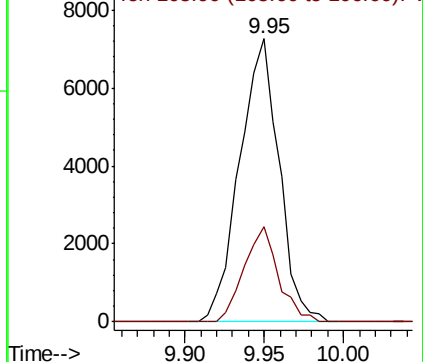
63 100

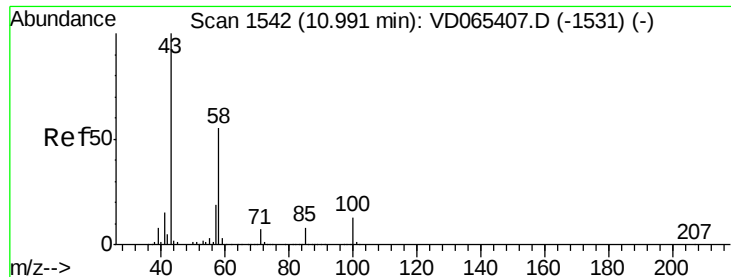
106 29.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

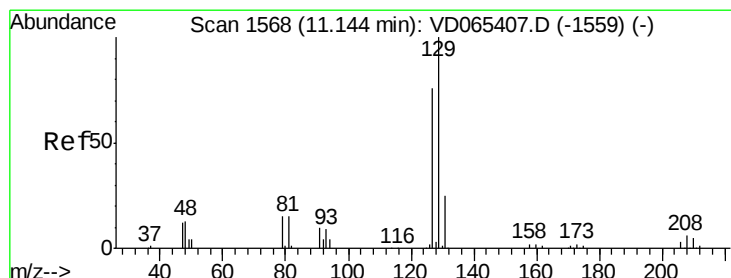
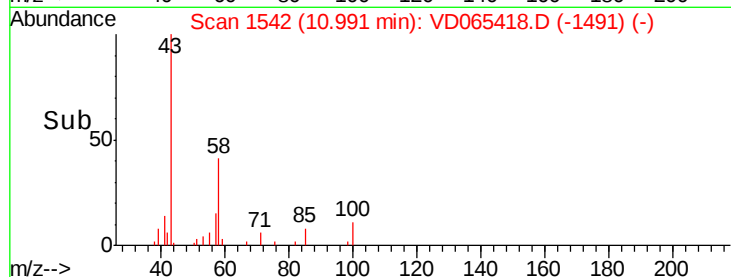
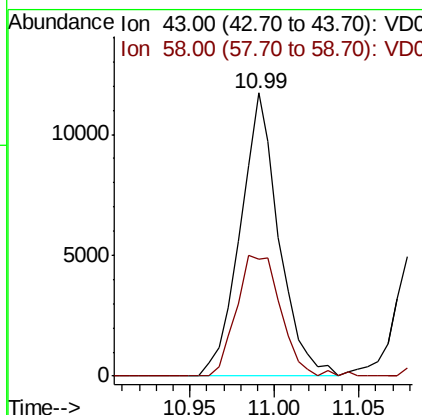
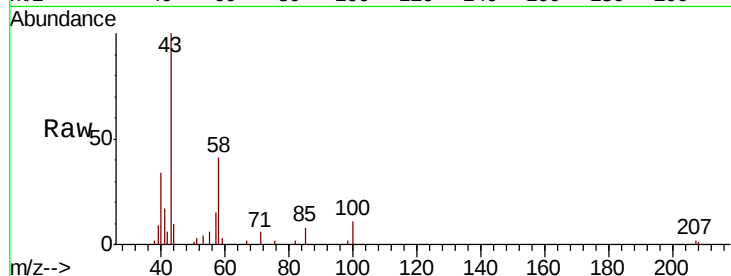




#59
2-Hexanone
Concen: 10.677 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

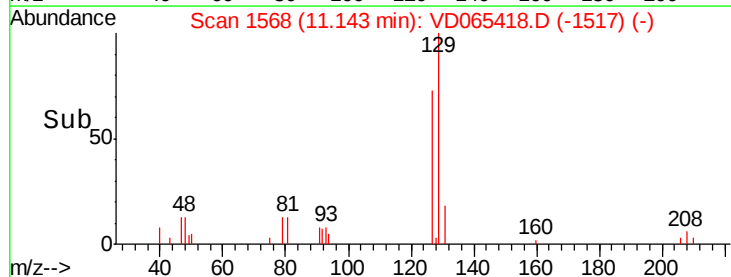
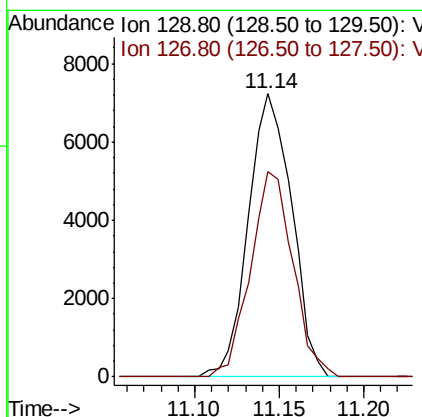
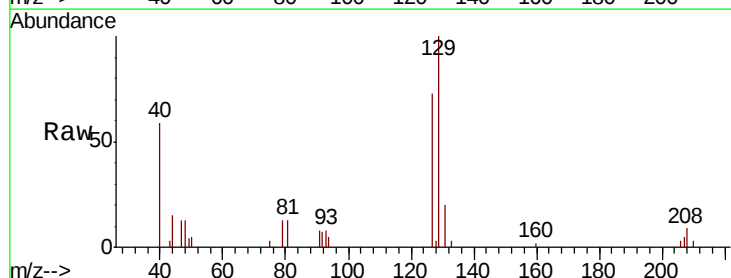
Instrument :
MSVOA_D
ClientSampleId :

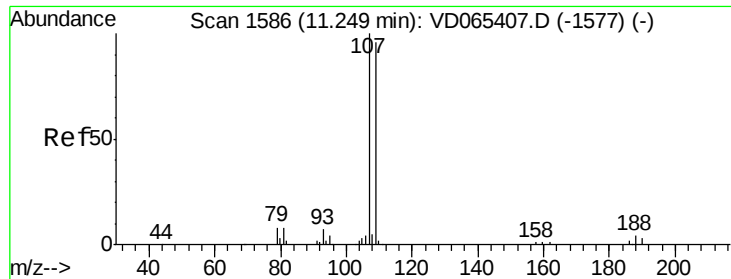
Tot Ion: 43 Resp: 18634
Ion Ratio Lower Upper
43 100
58 48.2 27.4 82.2



#60
Dibromochloromethane
Concen: 2.883 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:129 Resp: 12906
Ion Ratio Lower Upper
129 100
127 71.1 38.5 115.5

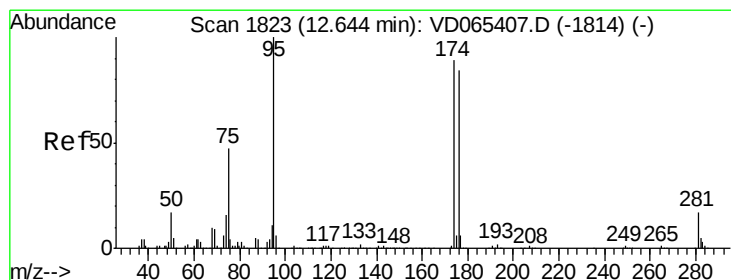
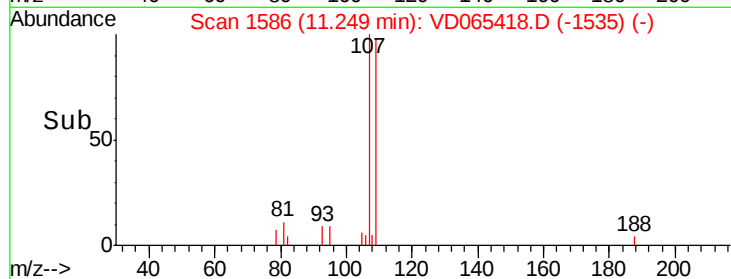
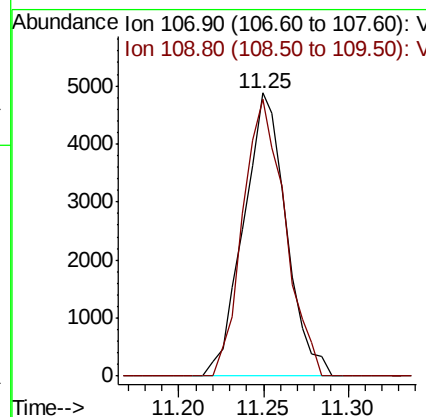
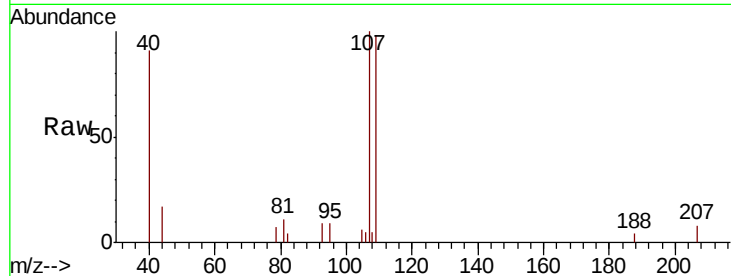




#61
 1,2-Dibromoethane
 Concen: 2.575 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

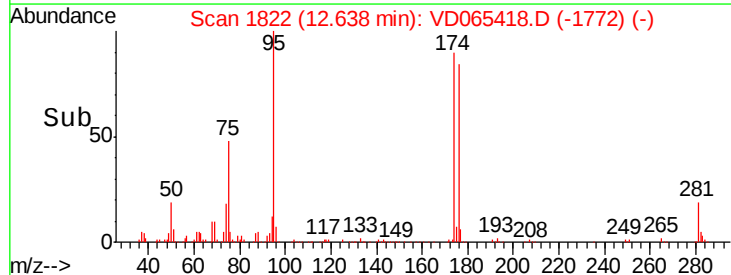
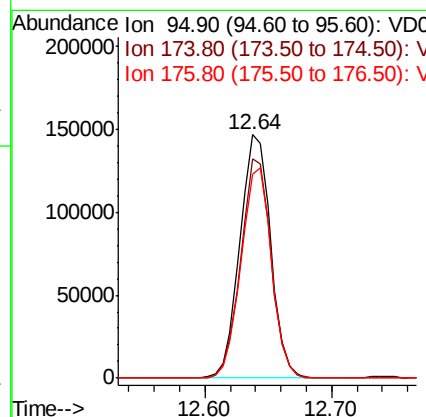
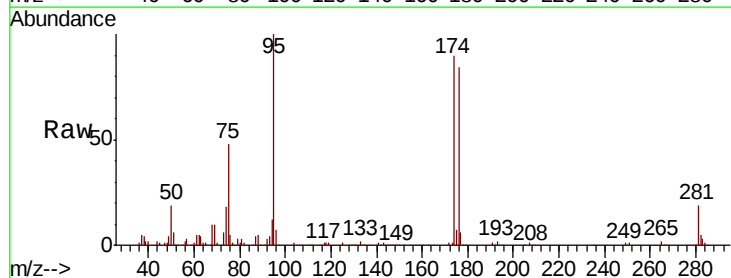
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 107 Resp: 8579
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 45.738 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 95 Resp: 245314
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.8
 176 86.1 0.0 171.4

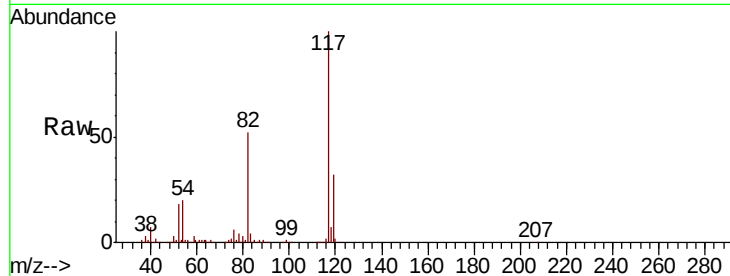




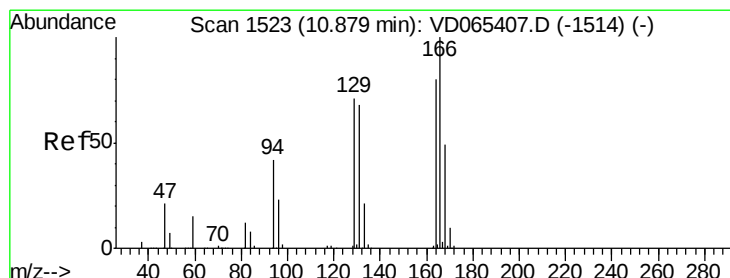
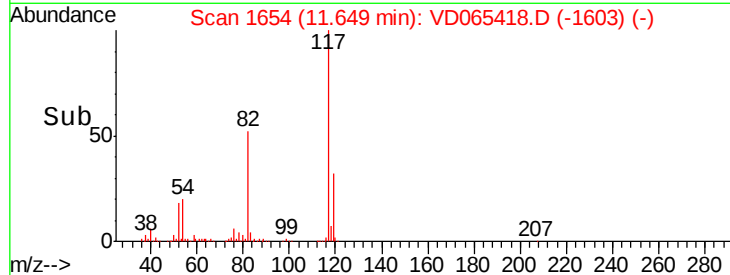
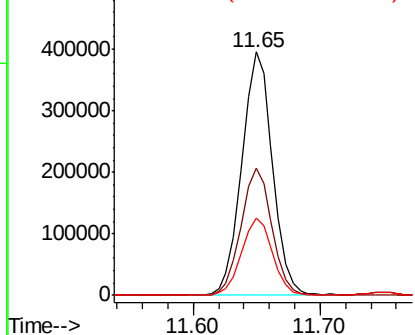
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 665374
Ion Ratio Lower Upper
117 100
82 52.1 40.6 60.8
119 31.8 25.4 38.2

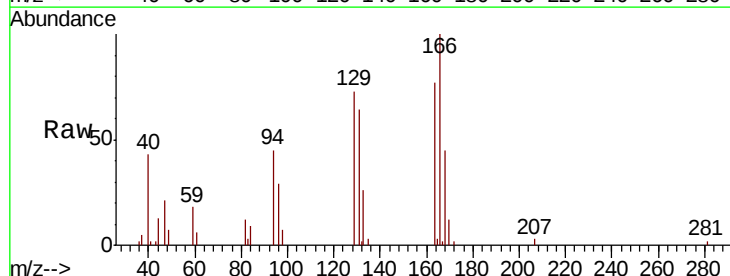


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

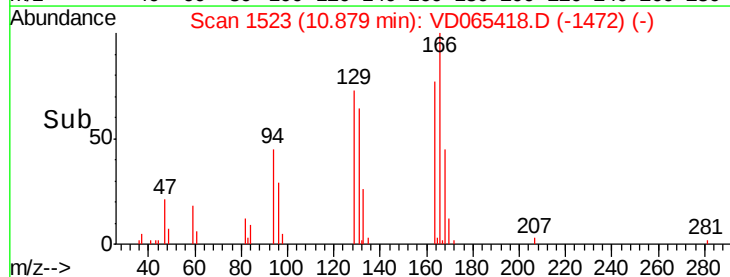
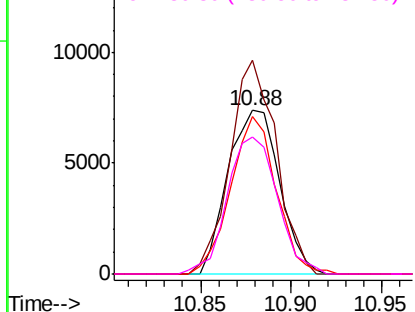


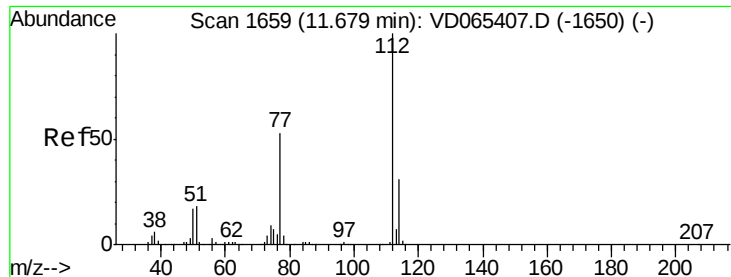
#64
Tetrachloroethene
Concen: 3.070 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:164 Resp: 14637
Ion Ratio Lower Upper
164 100
166 130.7 100.5 150.7
129 96.0 71.5 107.3
131 83.9 68.5 102.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

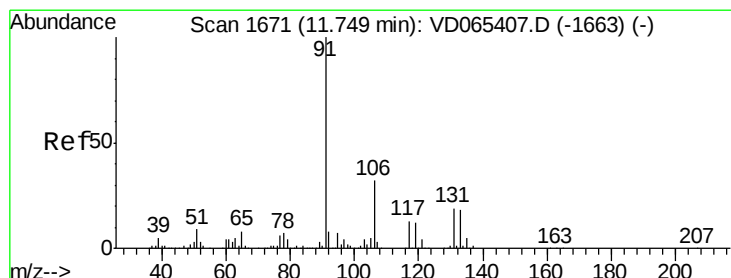
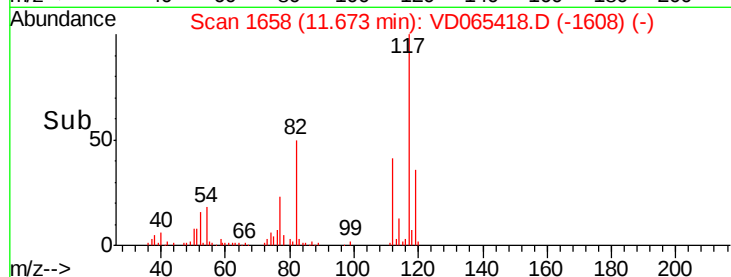
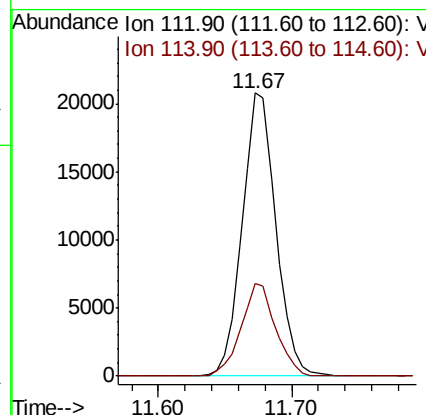
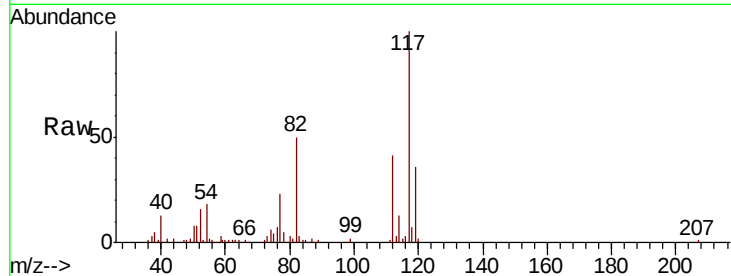




#65
Chlorobenzene
Concen: 2.744 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

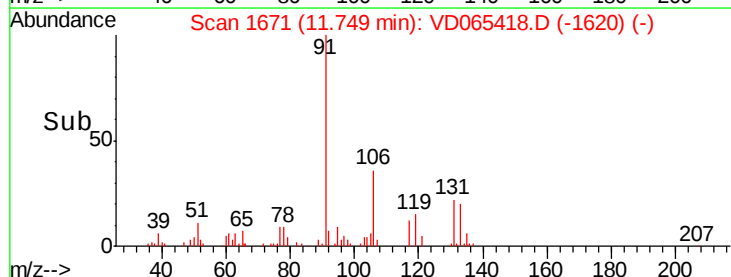
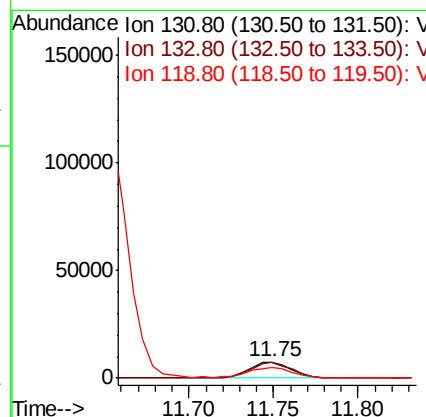
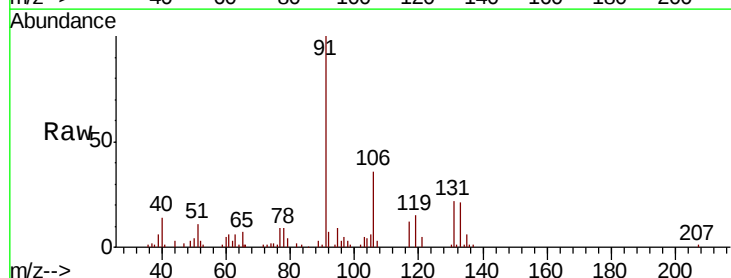
Instrument :
MSVOA_D
ClientSampleId :

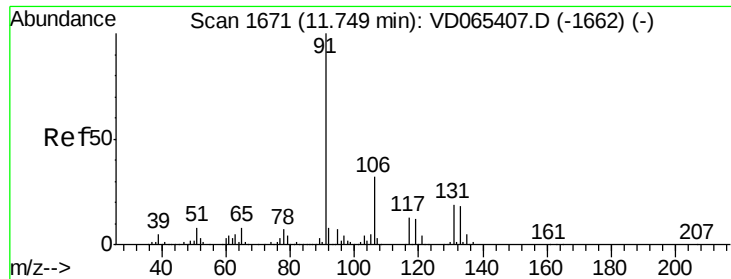
Tot Ion:112 Resp: 36130
Ion Ratio Lower Upper
112 100
114 32.8 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.745 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:131 Resp: 13164
Ion Ratio Lower Upper
131 100
133 93.5 49.2 147.6
119 68.8 33.3 99.8

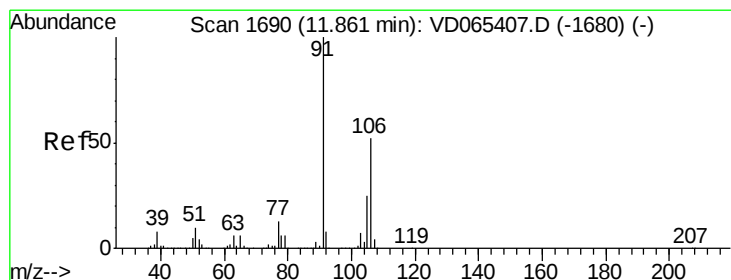
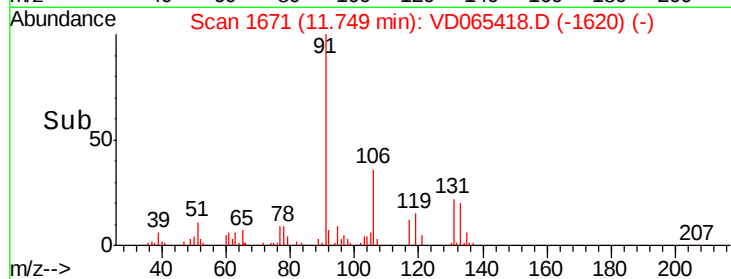
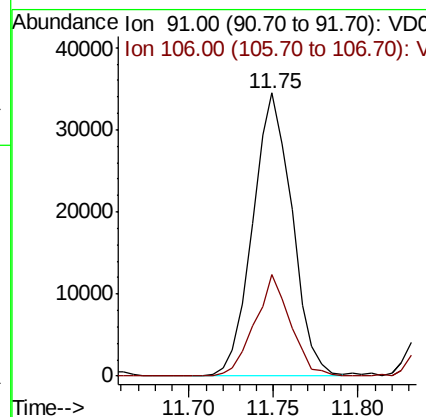
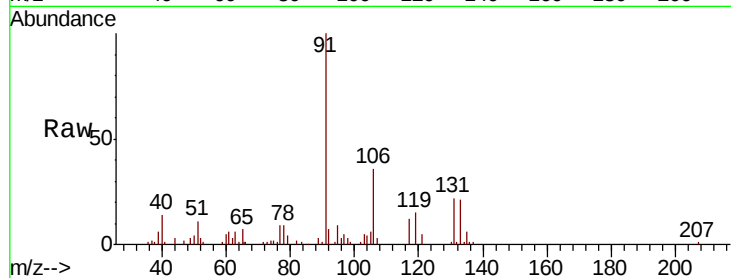




#67
Ethyl Benzene
Concen: 2.464 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

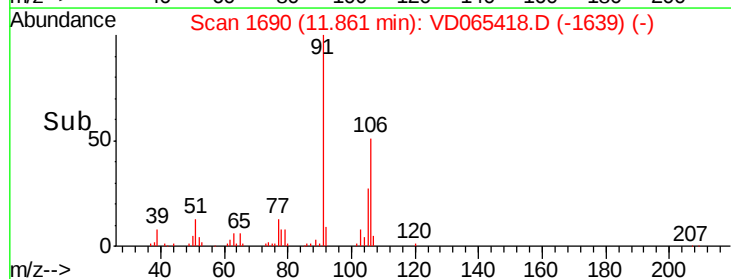
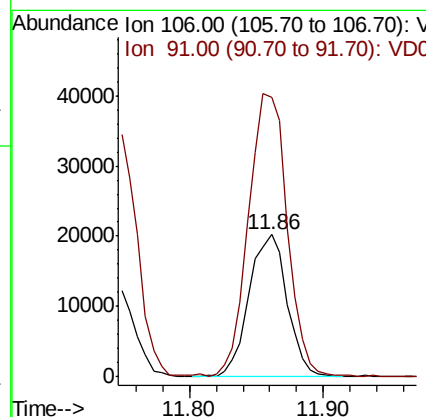
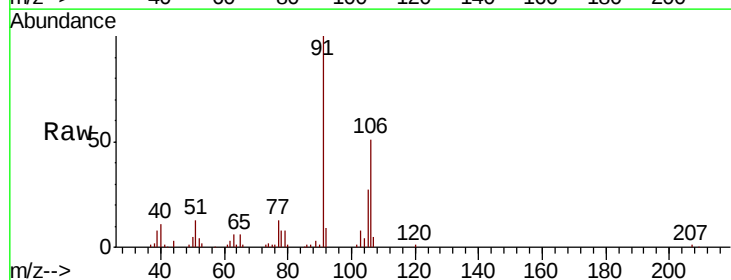
Instrument :
MSVOA_D
ClientSampled :

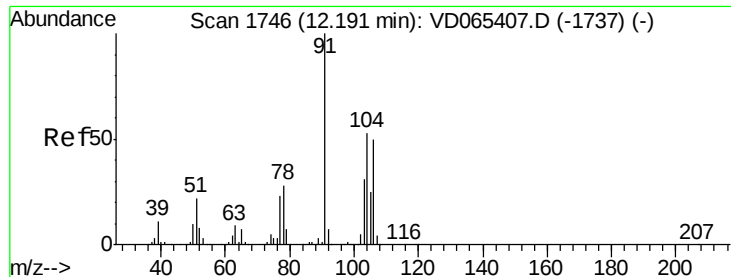
Tot Ion: 91 Resp: 56063
Ion Ratio Lower Upper
91 100
106 35.7 25.2 37.8



#68
m/p-Xylenes
Concen: 4.533 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 106 Resp: 39765
Ion Ratio Lower Upper
106 100
91 203.1 155.9 233.9

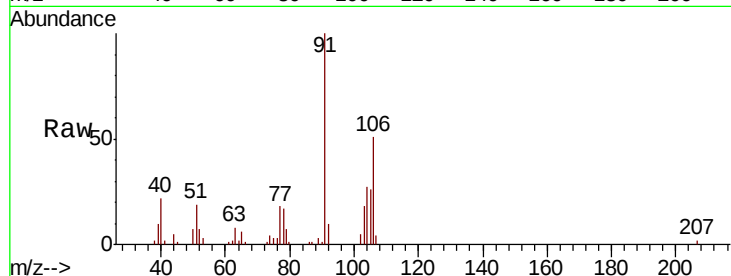




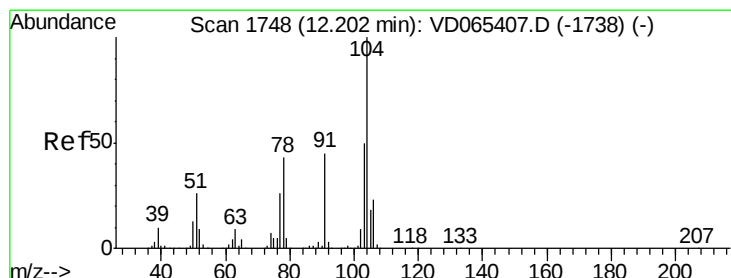
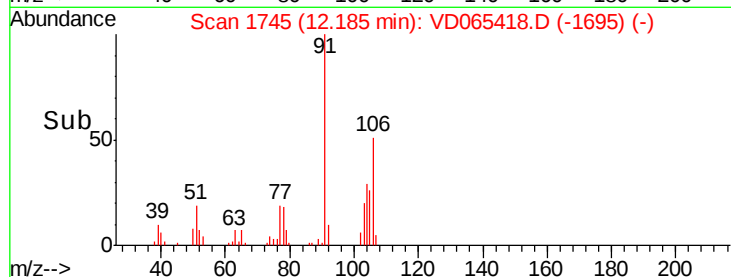
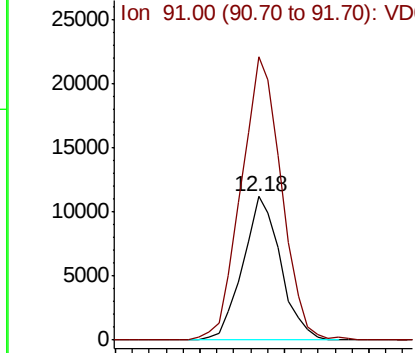
#69
o-Xylene
Concen: 2.271 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 17522
Ion Ratio Lower Upper
106 100
91 210.0 103.5 310.3

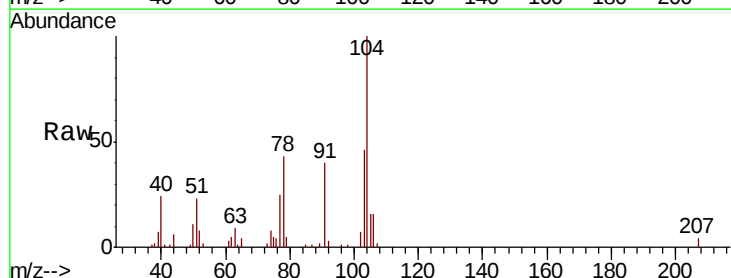


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

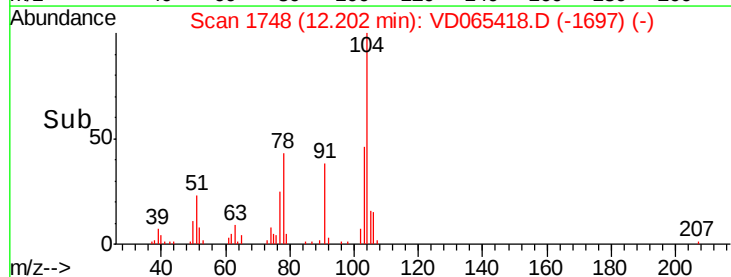
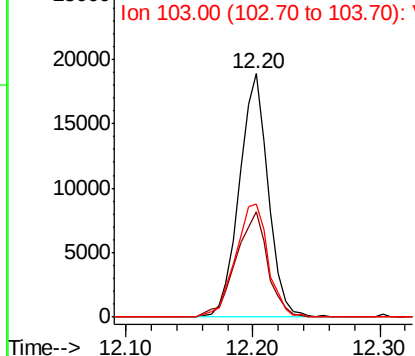


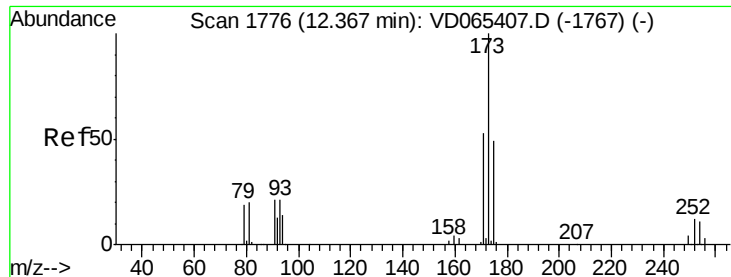
#70
Styrene
Concen: 2.186 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:104 Resp: 29685
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 52.6 43.6 65.4



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

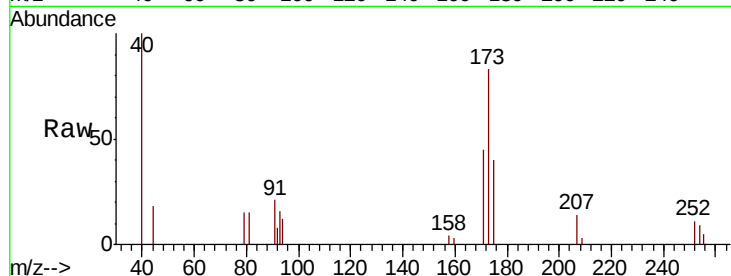




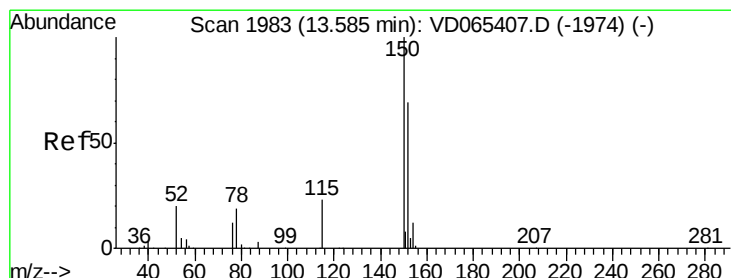
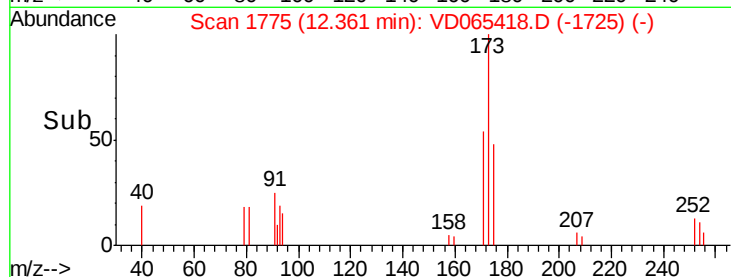
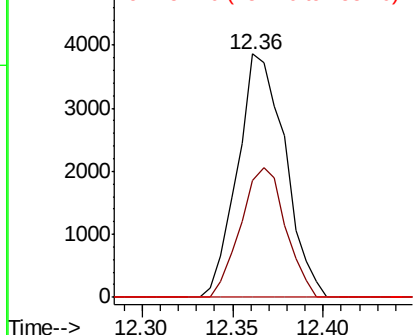
#71
Bromoform
Concen: 2.613 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 7038
Ion Ratio Lower Upper
173 100
175 50.3 24.3 73.0
254 0.0 0.1 0.1#

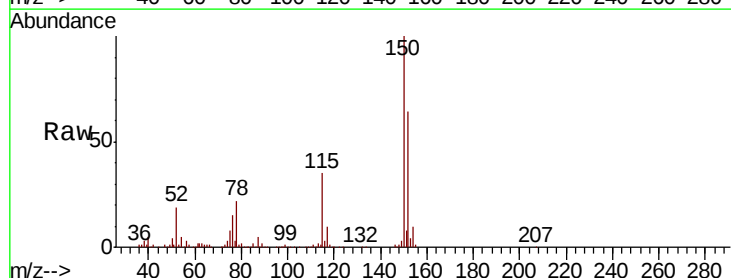


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

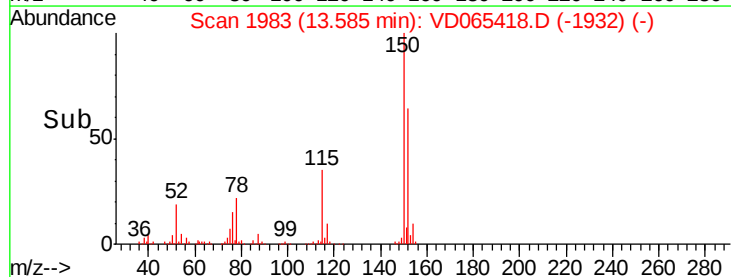
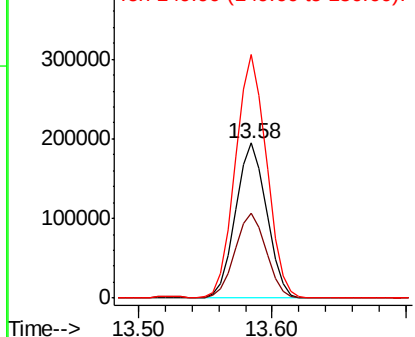


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:152 Resp: 313728
Ion Ratio Lower Upper
152 100
115 54.8 27.6 82.8
150 157.5 0.0 345.0



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





#73

Isopropylbenzene

Concen: 2.282 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

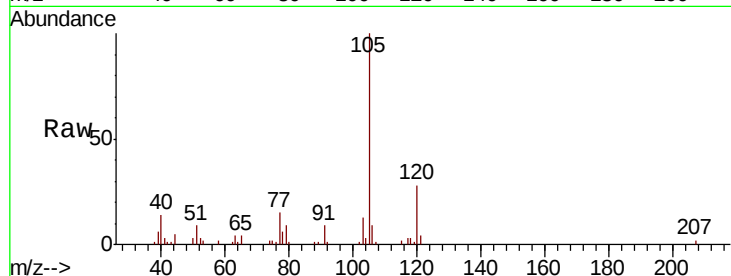
ClientSampleId :

Tot Ion:105 Resp: 47081

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

30000

25000

20000

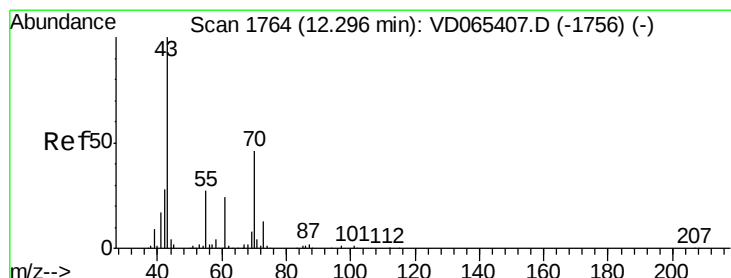
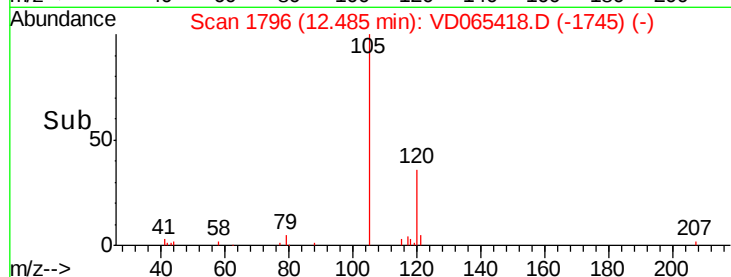
15000

10000

5000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 2.187 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion: 43 Resp: 9238

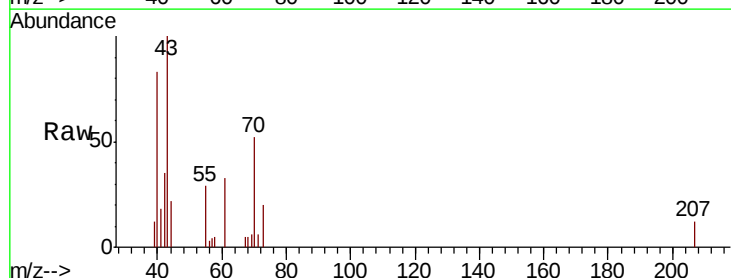
Ion Ratio Lower Upper

43 100

70 40.1 36.1 54.1

55 30.3 21.6 32.4

61 22.6 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

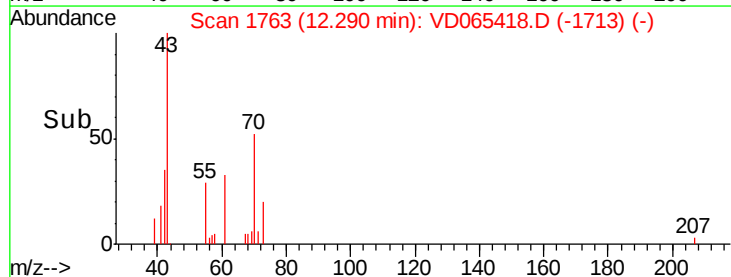
6000

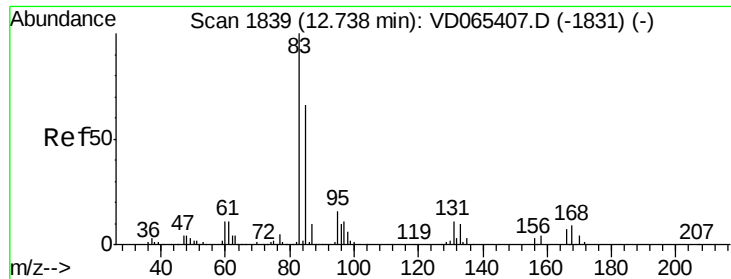
4000

2000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 2.825 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

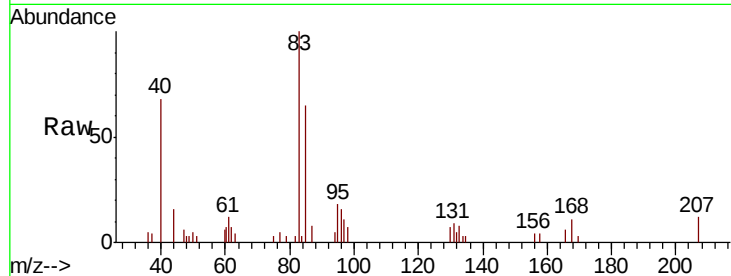
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 83 Resp: 10247

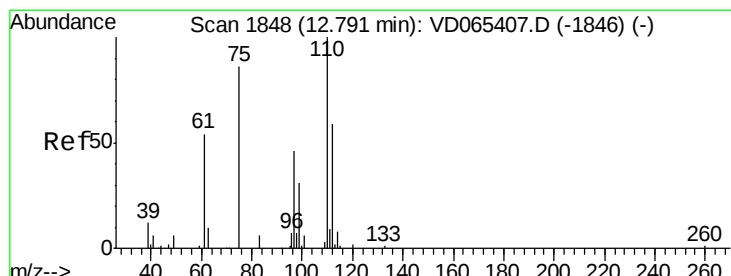
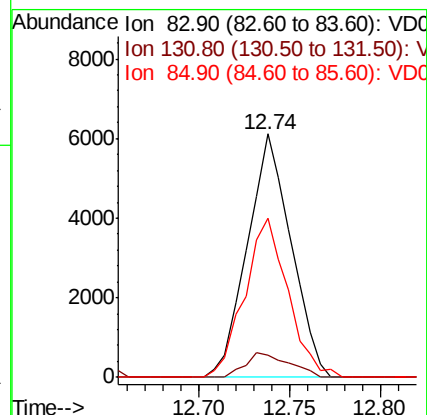
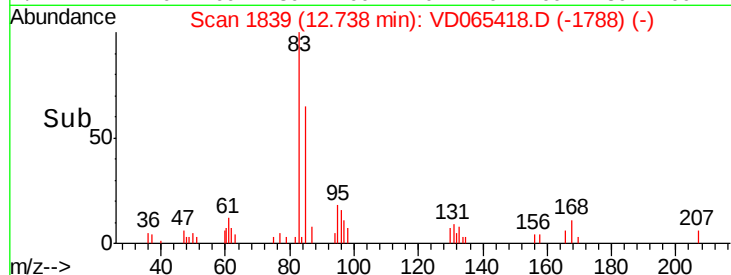
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.4	16.2
85	64.7	33.0	98.9



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: 5.113 ug/l

RT: 12.79 min Scan# 1848

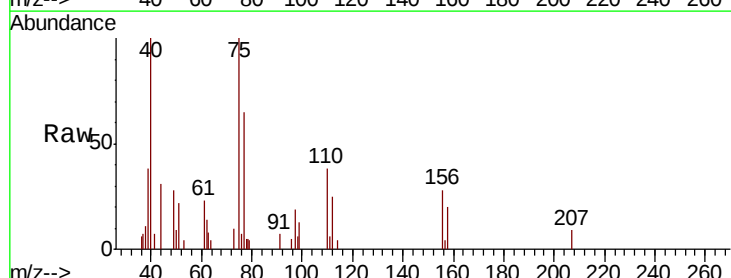
Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

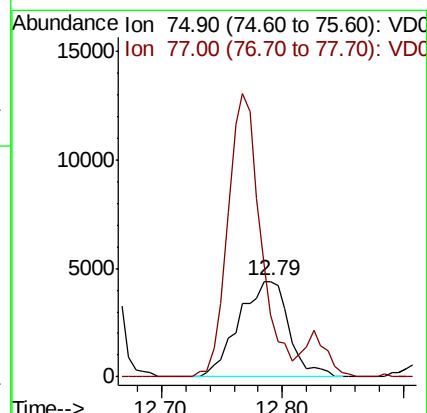
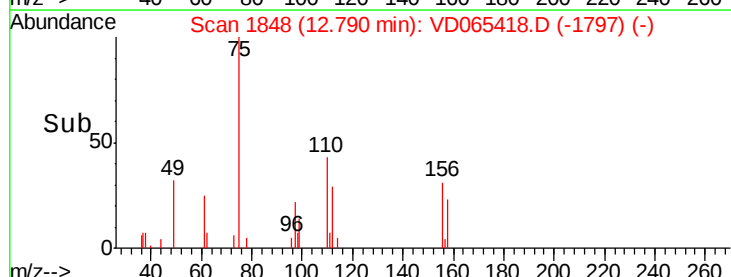
Tgt Ion: 75 Resp: 12657

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: 2.784 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

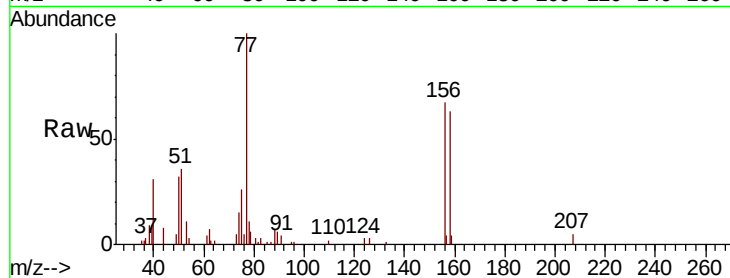
Tot Ion:156 Resp: 14274

Ion Ratio Lower Upper

156 100

77 172.5 84.9 254.6

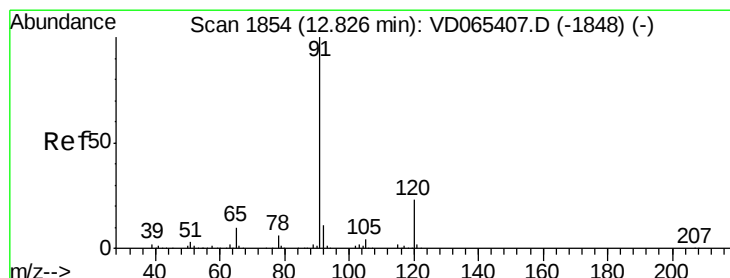
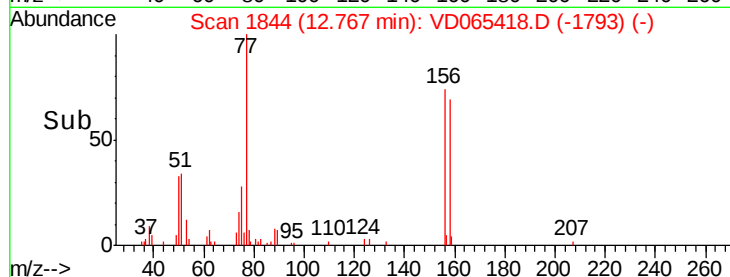
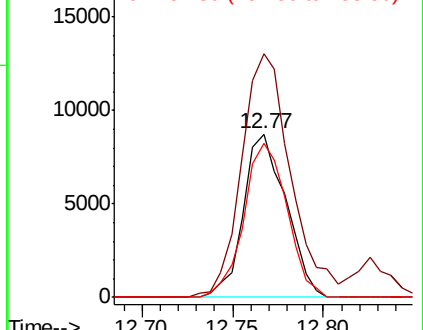
158 95.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.603 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065418.D

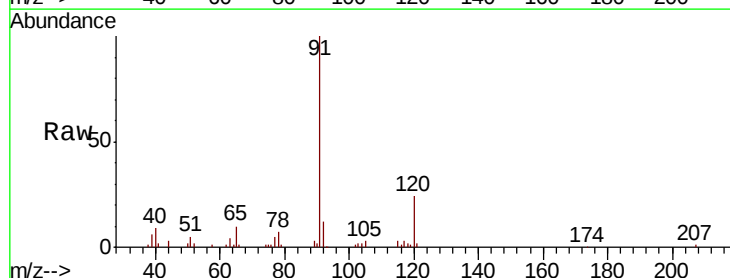
Acq: 04 Mar 2020 18:42

Tgt Ion: 91 Resp: 63722

Ion Ratio Lower Upper

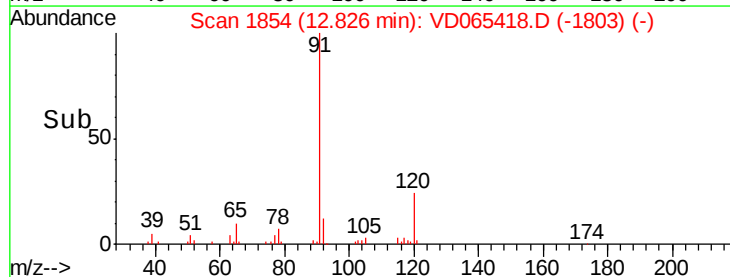
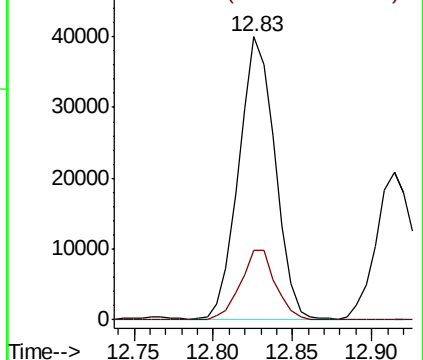
91 100

120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

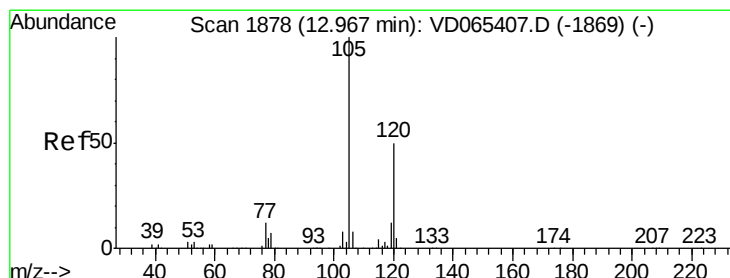
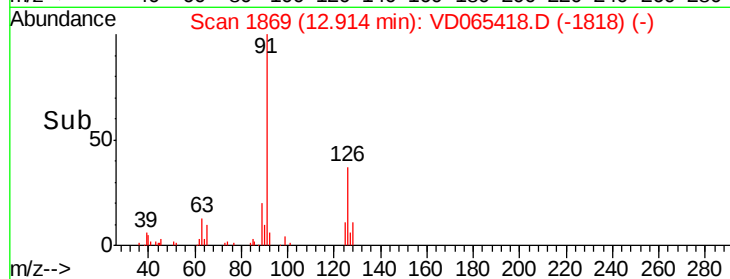
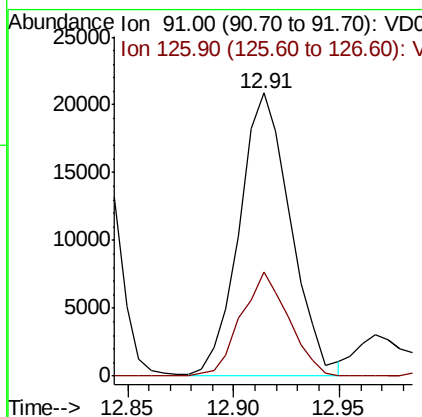
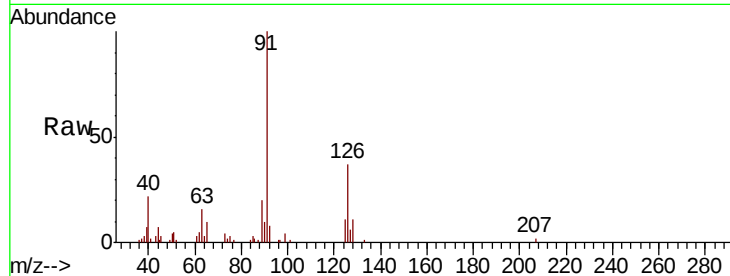




#79
 2-Chlorotoluene
 Concen: 2.559 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

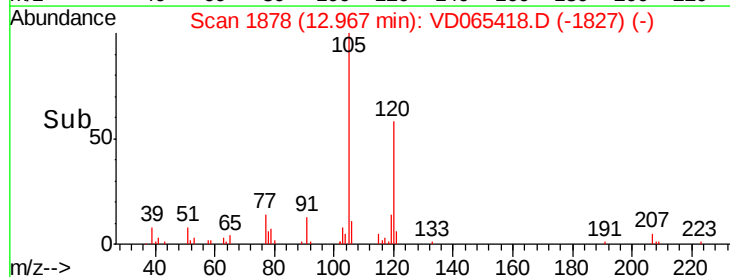
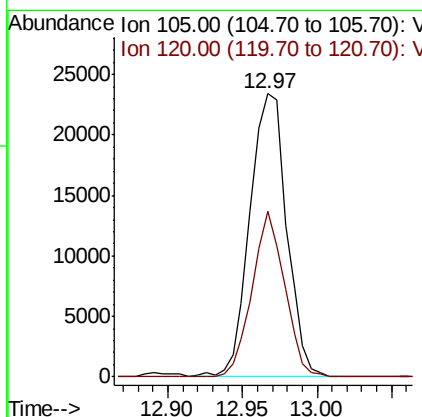
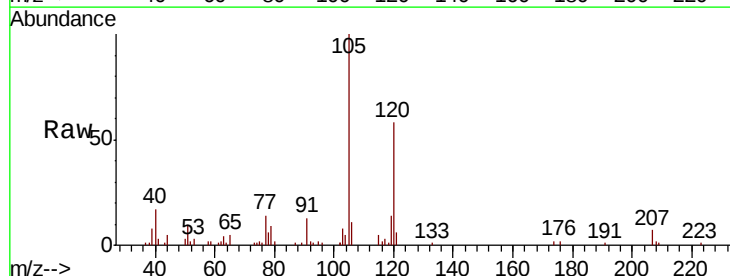
Instrument :
 MSVOA_D
 ClientSampleId :

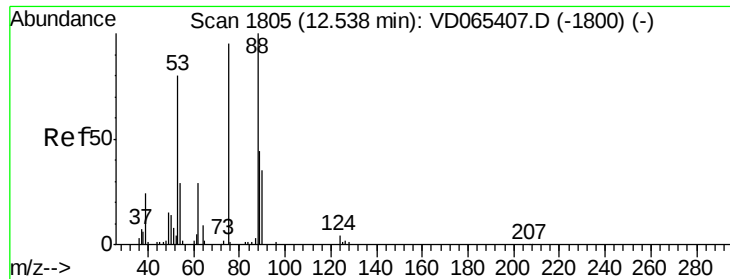
Tot Ion: 91 Resp: 35316
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.355 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 105 Resp: 39956
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.0

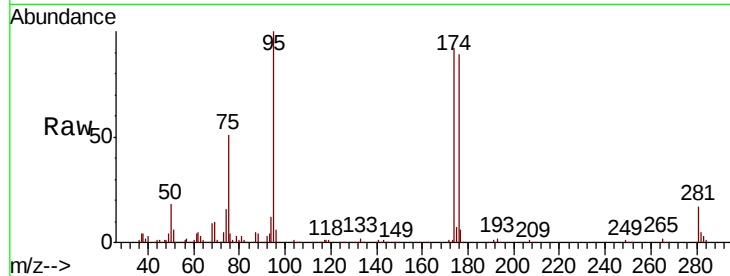




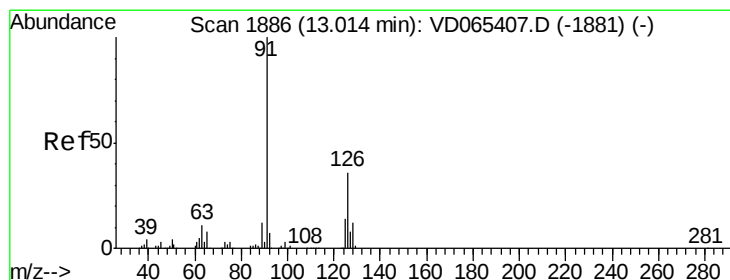
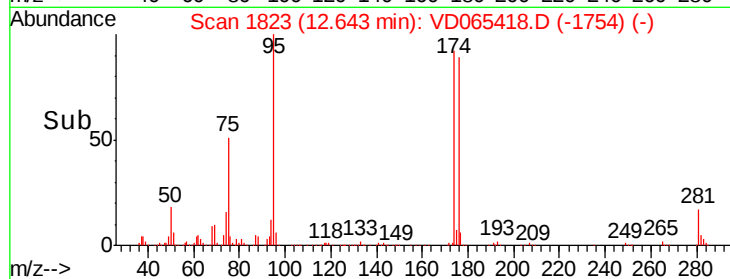
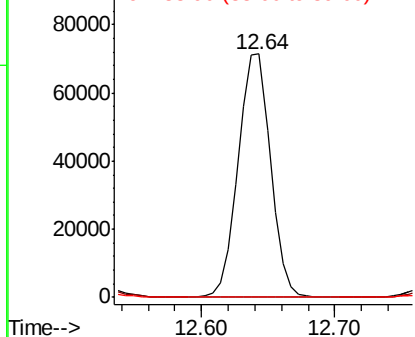
#81
trans-1,4-Dichloro-2-butene
Concen: 102.495 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 120236
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.1 37.0 55.6#

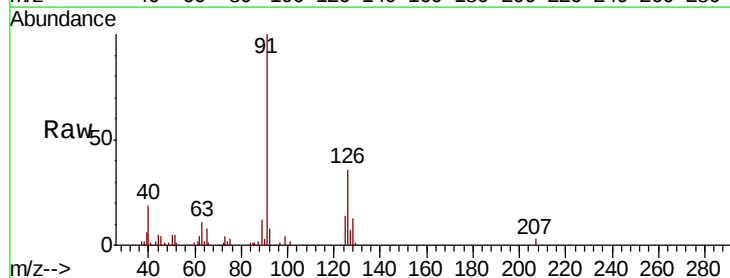


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

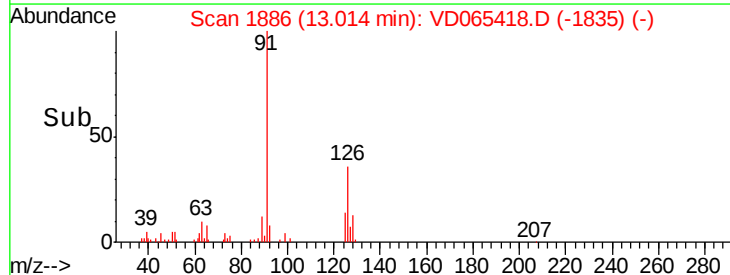
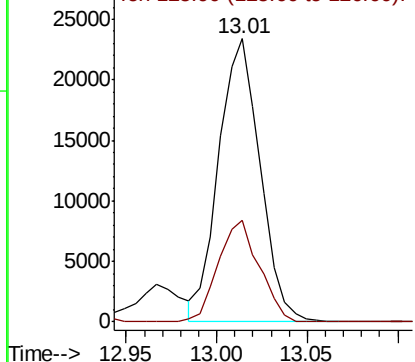


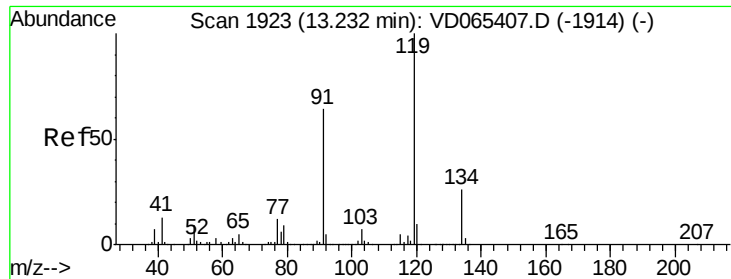
#82
4-Chlorotoluene
Concen: 2.560 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 91 Resp: 37116
Ion Ratio Lower Upper
91 100
126 35.4 17.6 52.8



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

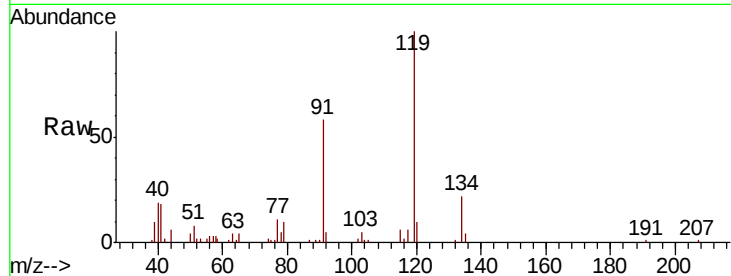




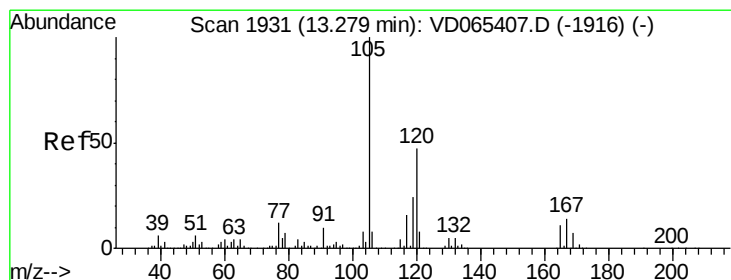
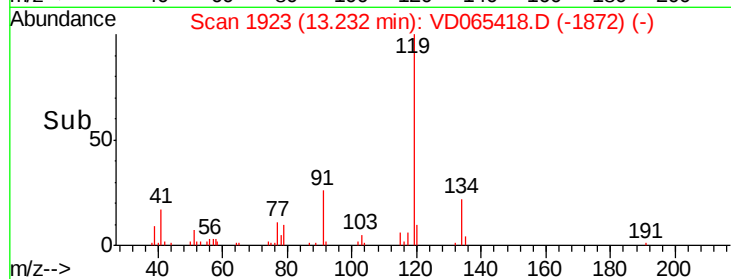
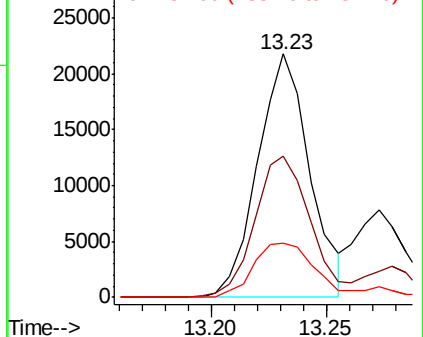
#83
tert-Butylbenzene
Concen: 2.377 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 34113
Ion Ratio Lower Upper
119 100
91 62.0 31.6 95.0
134 26.3 14.2 42.8

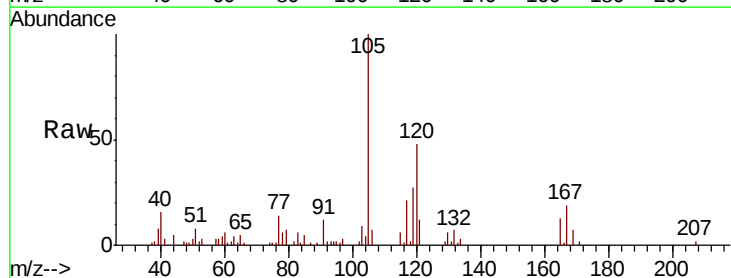


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

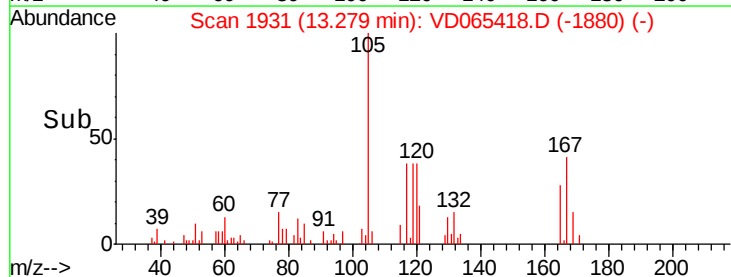
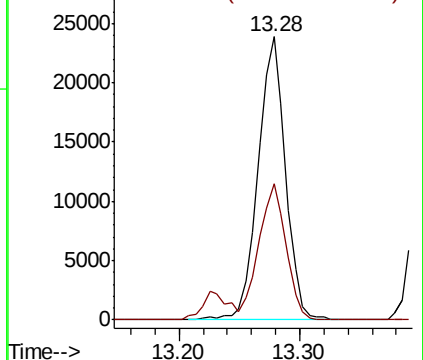


#84
1,2,4-Trimethylbenzene
Concen: 2.238 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:105 Resp: 37428
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 2.335 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

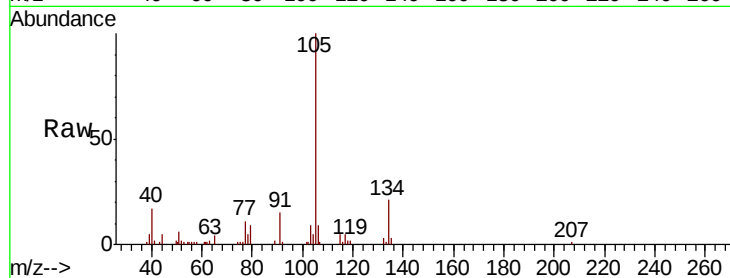
ClientSampleId :

Tot Ion:105 Resp: 47828

Ion Ratio Lower Upper

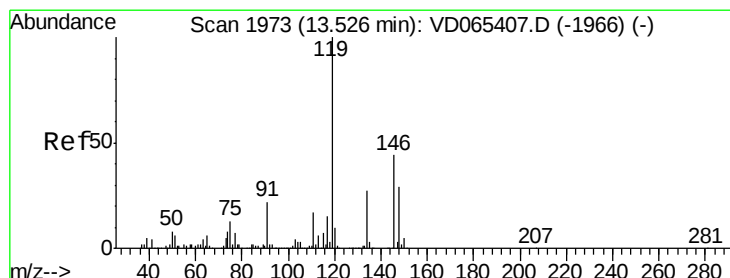
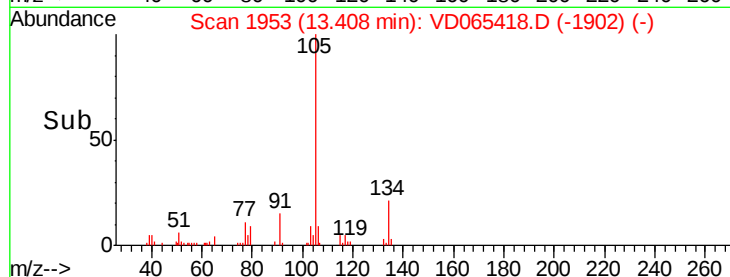
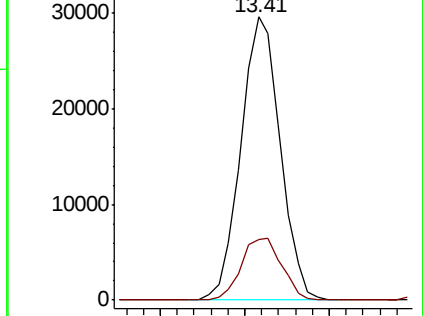
105 100

134 22.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.203 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

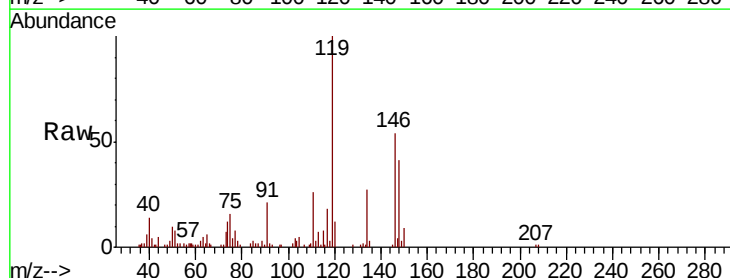
Tgt Ion:119 Resp: 41187

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.9

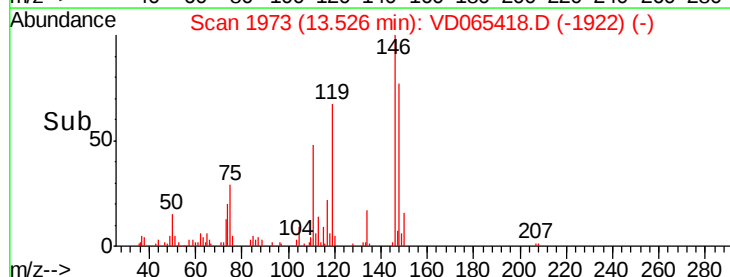
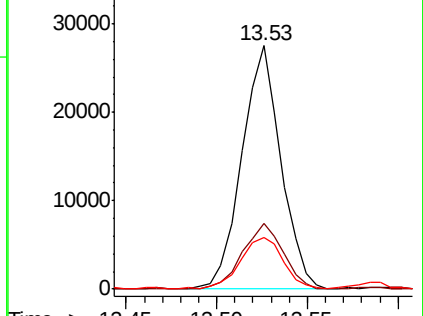
91 23.6 10.9 32.6

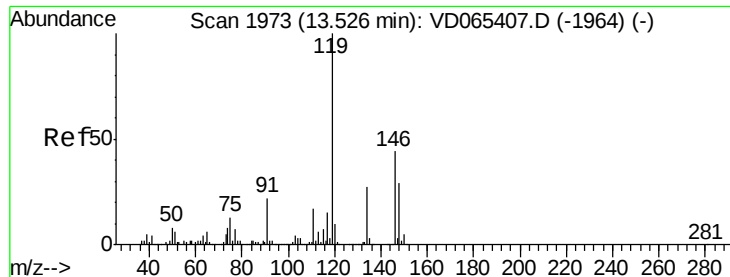


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

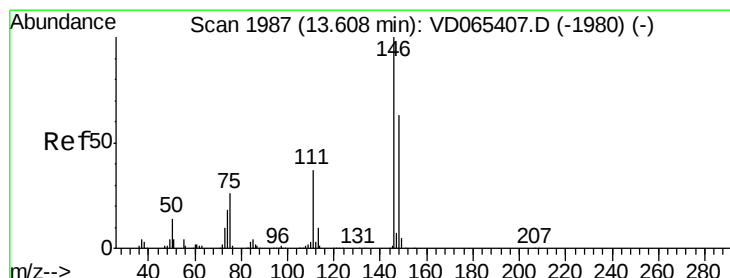
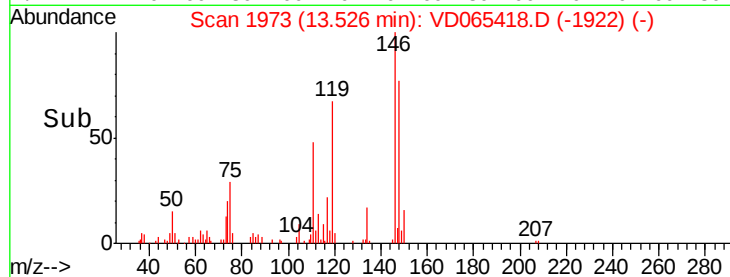
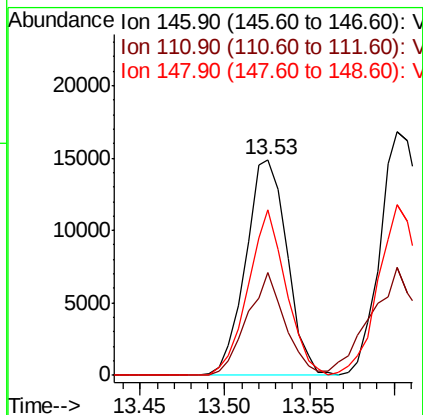
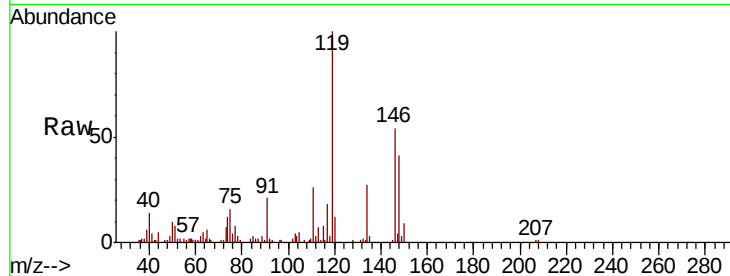




#87
 1,3-Dichlorobenzene
 Concen: 2.567 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

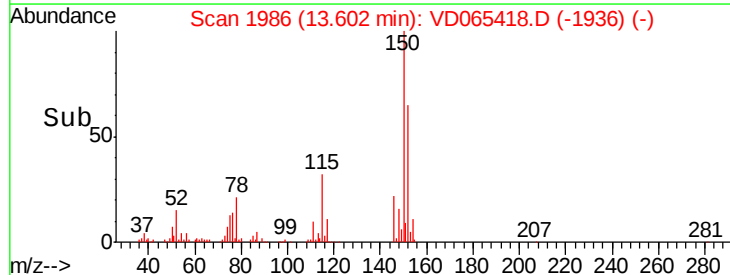
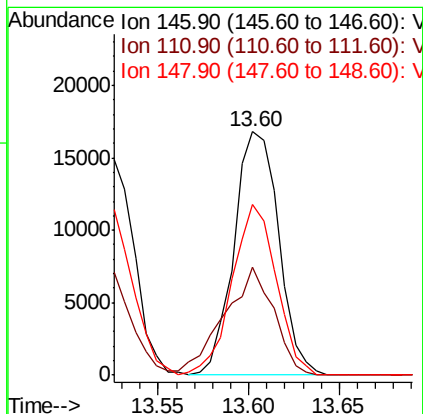
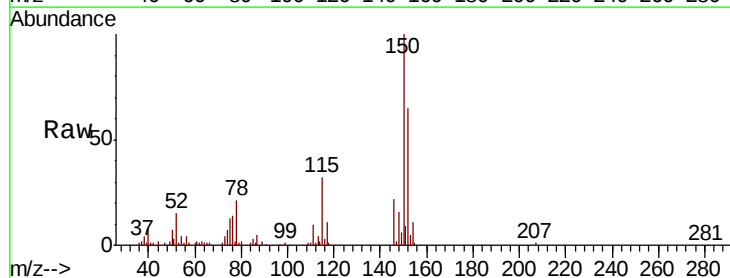
Instrument :
 MSVOA_D
 ClientSampleId :

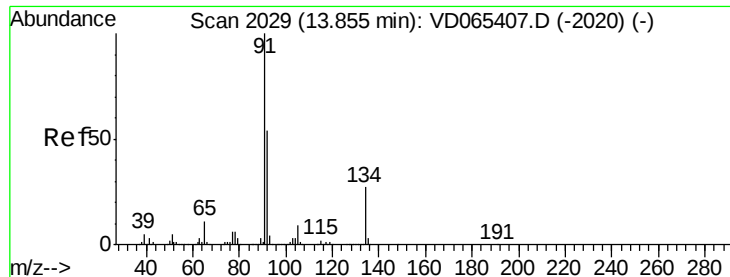
Tot Ion:146 Resp: 25306
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.1 57.1
 148 70.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 2.943 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion:146 Resp: 28852
 Ion Ratio Lower Upper
 146 100
 111 49.6 18.5 55.5
 148 69.2 32.0 96.0





#89

n-Butylbenzene

Concen: 2.442 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

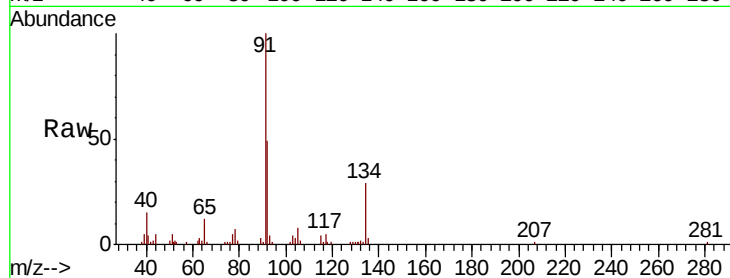
Tot Ion: 91 Resp: 42197

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.4

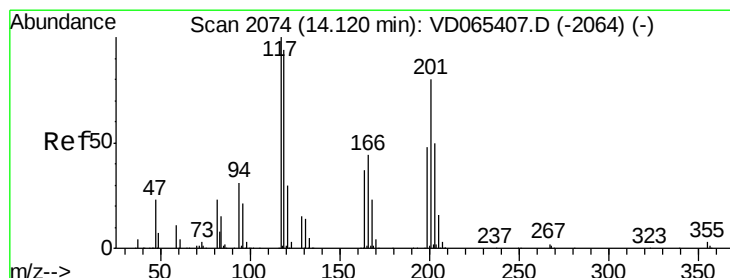
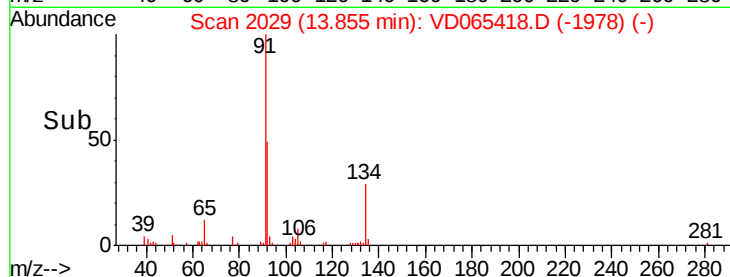
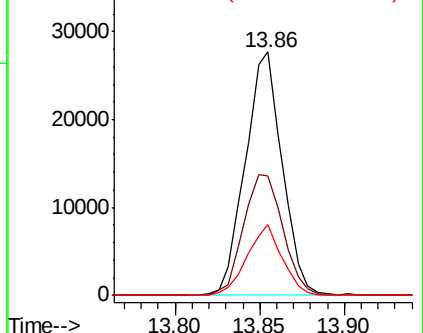
134 27.3 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.929 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065418.D

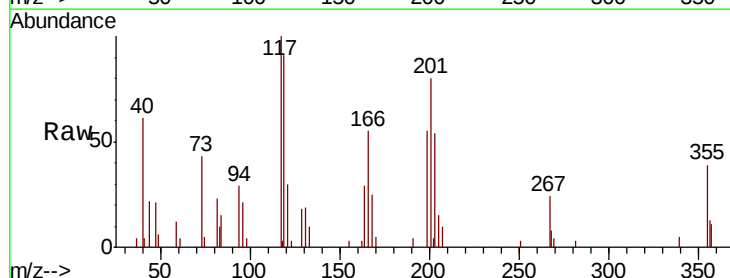
Acq: 04 Mar 2020 18:42

Tgt Ion: 117 Resp: 11275

Ion Ratio Lower Upper

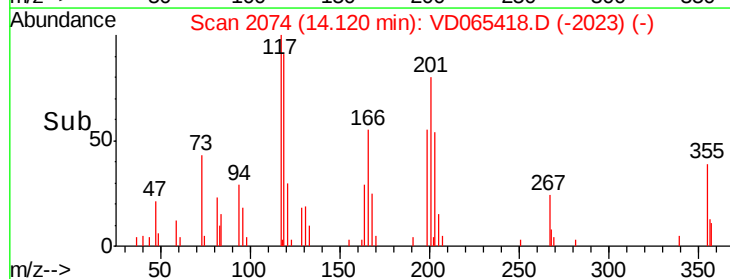
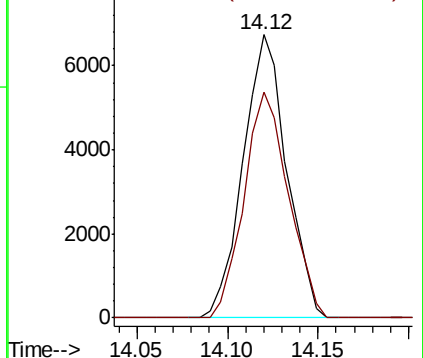
117 100

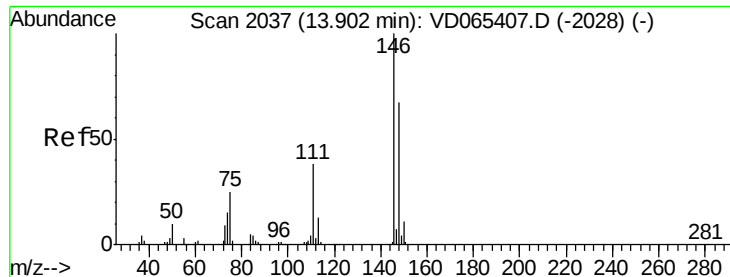
201 81.2 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

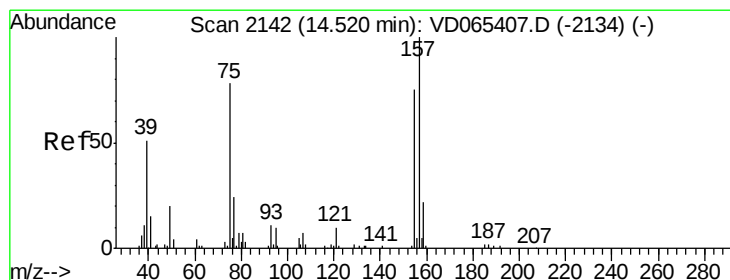
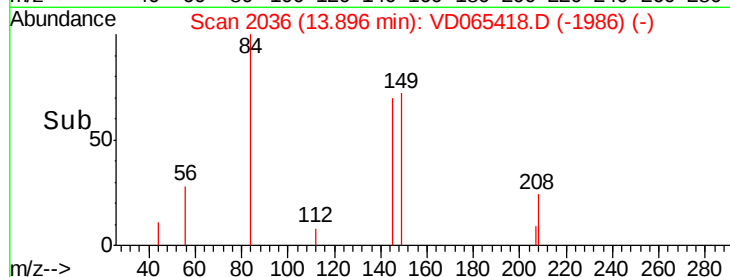
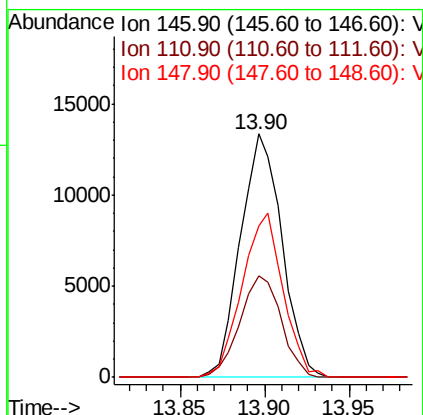
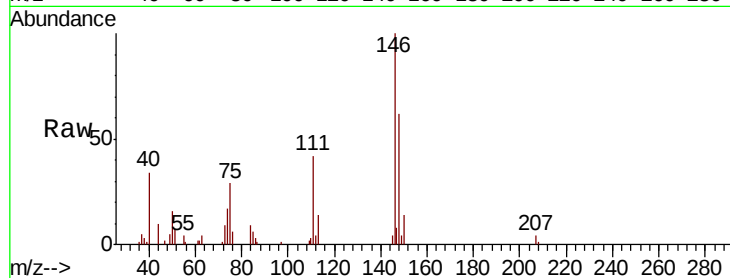




#91
 1,2-Dichlorobenzene
 Concen: 2.713 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

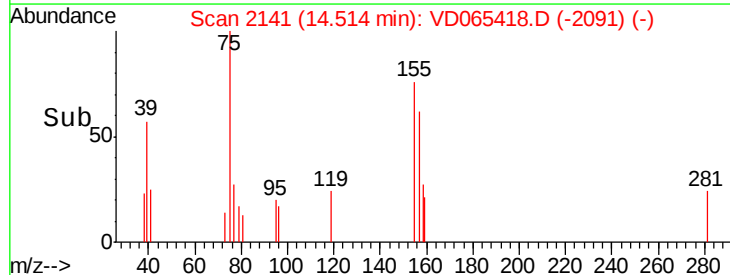
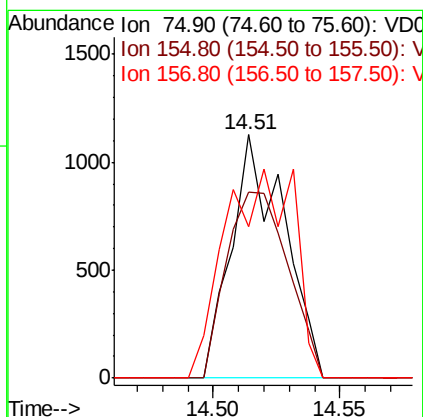
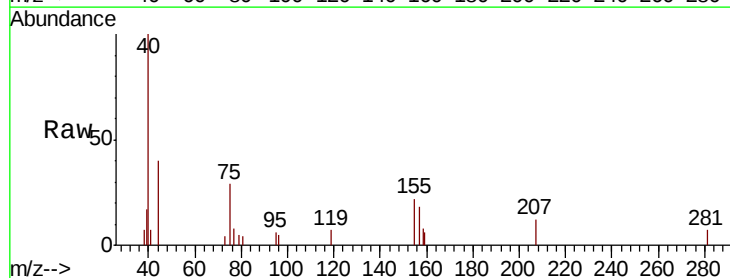
Instrument :
 MSVOA_D
 ClientSampleId :

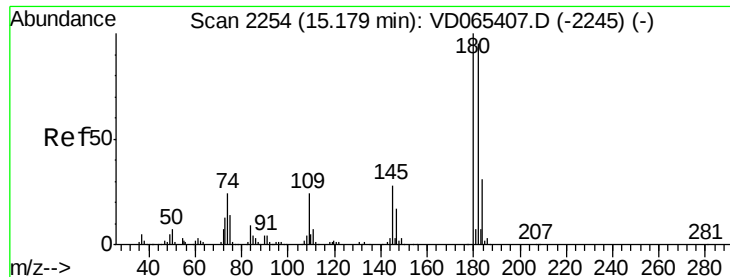
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.8	59.3
148	66.5	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.940 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	46.4	139.1
157	112.2	60.2	180.4

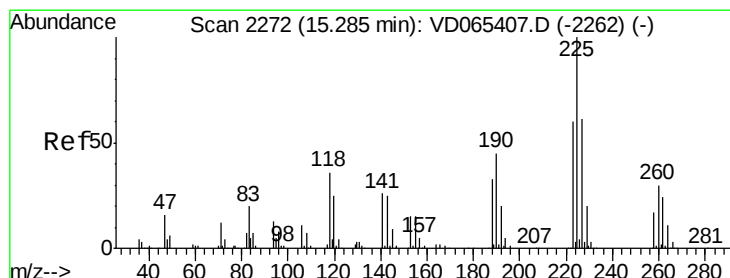
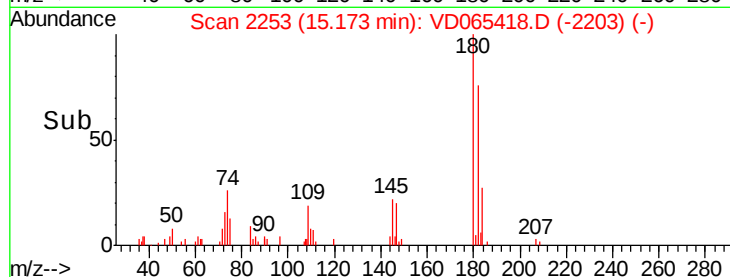
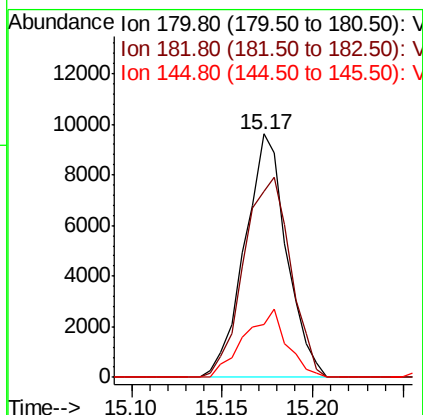
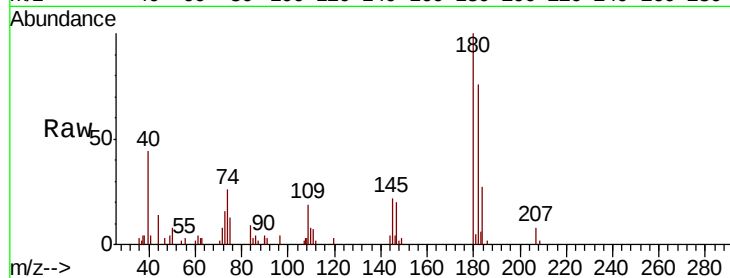




#93
 1,2,4-Trichlorobenzene
 Concen: 2.713 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

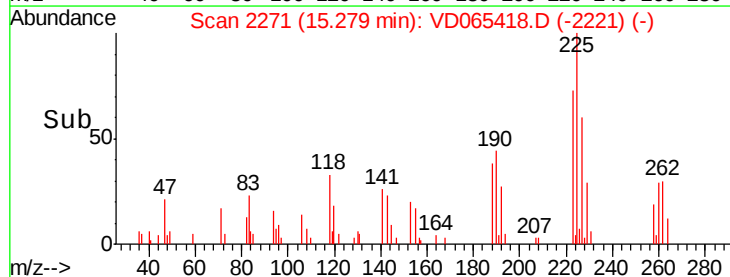
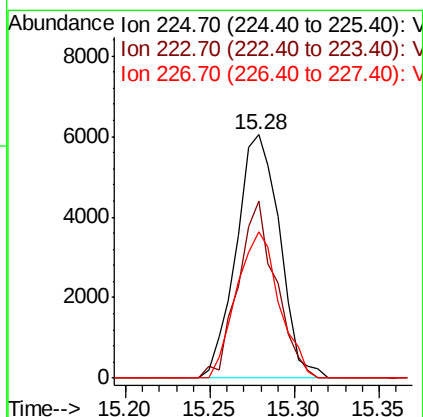
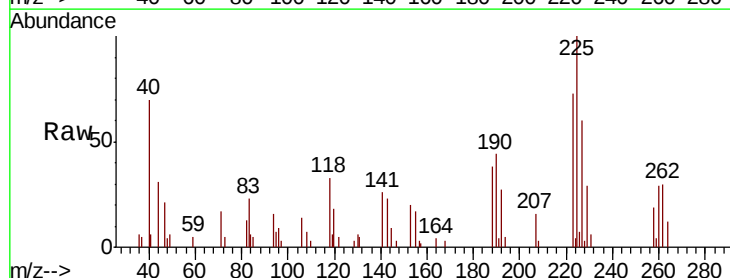
Instrument :
 MSVOA_D
 ClientSampleId :

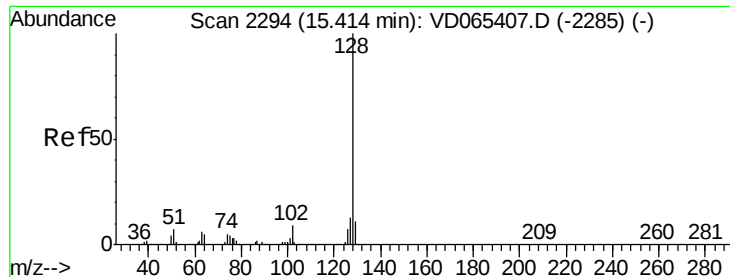
Tot Ion:180 Resp: 15422
 Ion Ratio Lower Upper
 180 100
 182 91.9 48.3 144.9
 145 28.4 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 2.898 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion:225 Resp: 10826
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.5
 227 59.5 31.6 94.7





#95

Naphthalene

Concen: 2.278 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

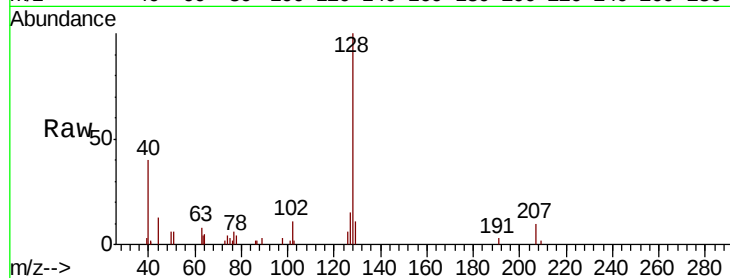
Tot Ion:128 Resp: 20715

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

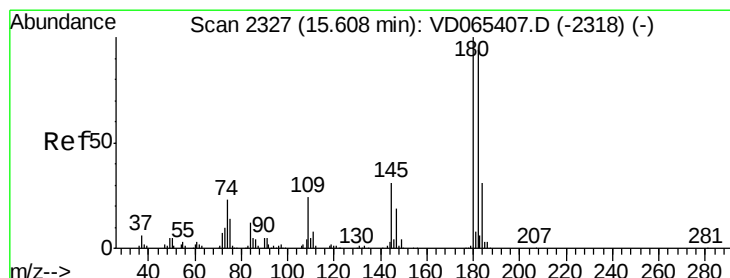
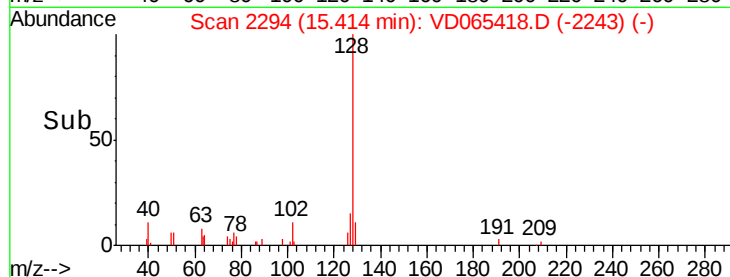
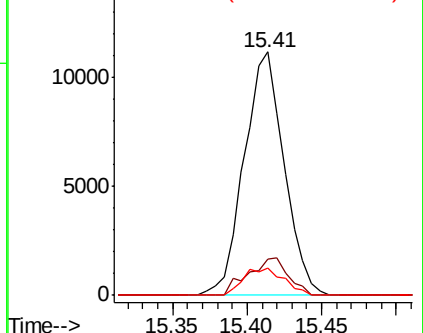
129 11.1 8.7 13.1



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: 2.740 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

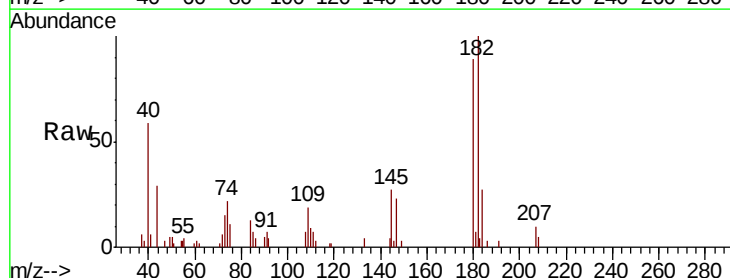
Tgt Ion:180 Resp: 13463

Ion Ratio Lower Upper

180 100

182 99.8 46.9 140.6

145 32.2 15.0 45.1



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

