

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065434.D
 Acq On : 05 Mar 2020 16:37
 Operator : VA/SY
 Sample : L1161-03 4PPBMDL
 Misc : 6.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 04:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 04:16:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200660	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
35) Dibromofluoromethane	7.92	113	211968	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	787098	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	246035	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	14149	3.860	ug/l	90
3) Chloromethane	2.21	50	19826	4.480	ug/l	99
4) Vinyl Chloride	2.35	62	18404	4.216	ug/l	93
5) Bromomethane	2.77	94	13141	4.708	ug/l	91
6) Chloroethane	2.93	64	11656	4.360	ug/l	95
7) Trichlorofluoromethane	3.28	101	29119	4.527	ug/l	88
8) Diethyl Ether	3.70	74	8005	4.185	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	18155	4.383	ug/l	96
10) Methyl Iodide	4.30	142	13306	3.092	ug/l	96
11) Tert butyl alcohol	5.25	59	3879	18.485	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	16039	4.044	ug/l	81
13) Acrolein	3.93	56	7727	21.351	ug/l	98
14) Allyl chloride	4.71	41	24044	3.946	ug/l	98
15) Acrylonitrile	5.43	53	16993	20.422	ug/l	98
16) Acetone	4.16	43	15561	21.031	ug/l	93
17) Carbon Disulfide	4.40	76	53693	4.065	ug/l	97
18) Methyl Acetate	4.73	43	9044	4.819	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	28526	3.740	ug/l	98
20) Methylene Chloride	4.97	84	27564	6.022	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	18452	4.182	ug/l	95
22) Diisopropyl ether	6.36	45	41940	3.703	ug/l #	94
23) Vinyl Acetate	6.31	43	104192	16.567	ug/l	99
24) 1,1-Dichloroethane	6.26	63	30916	4.255	ug/l	97
25) 2-Butanone	7.22	43	18912	18.730	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	25451	4.009	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	18459	4.093	ug/l	97
28) Bromochloromethane	7.55	49	13176	4.533	ug/l	98
29) Tetrahydrofuran	7.57	42	12314	19.097	ug/l	94
30) Chloroform	7.71	83	32581	4.487	ug/l	92
31) Cyclohexane	7.98	56	31932	4.395	ug/l #	81
32) 1,1,1-Trichloroethane	7.91	97	28597	4.261	ug/l	95
36) 1,1-Dichloropropene	8.11	75	24985	3.915	ug/l	97
37) Ethyl Acetate	7.30	43	8686	3.521	ug/l #	94
38) Carbon Tetrachloride	8.10	117	25697	3.883	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	25972	3.370	ug/l	93
40) Benzene	8.35	78	69027	3.868	ug/l	96
41) Methacrylonitrile	7.52	41	4847	3.716	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	20951	4.497	ug/l	96
43) Isopropyl Acetate	8.46	43	17977	3.947	ug/l	98
44) Trichloroethene	9.11	130	19932	3.955	ug/l	88
45) 1,2-Dichloropropane	9.39	63	16935	3.918	ug/l	99
46) Dibromomethane	9.47	93	9159	4.085	ug/l	99
47) Bromodichloromethane	9.66	83	23999	4.115	ug/l	100
48) Methyl methacrylate	9.46	41	7959	3.715	ug/l	94
49) 1,4-Dioxane	9.47	88	1923	74.985	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	39545	17.254	ug/l	93
52) Toluene	10.41	92	44563	3.964	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	20883	3.831	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	24493	3.712	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	13790	4.343	ug/l #	88
56) Ethyl methacrylate	10.67	69	12523	3.498	ug/l	98
57) 1,3-Dichloropropane	10.95	76	21506	4.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	18581	16.095	ug/l	97
59) 2-Hexanone	10.99	43	27521	17.346	ug/l	89
60) Dibromochloromethane	11.14	129	16996	4.176	ug/l	100
61) 1,2-Dibromoethane	11.26	107	12507	4.129	ug/l	94
64) Tetrachloroethene	10.87	164	17926	4.087	ug/l	84
65) Chlorobenzene	11.67	112	49873	4.118	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	17215	3.903	ug/l	96
67) Ethyl Benzene	11.75	91	73715	3.522	ug/l	97
68) m/p-Xylenes	11.86	106	54931	6.807	ug/l	100
69) o-Xylene	12.18	106	23899	3.367	ug/l	97
70) Styrene	12.20	104	41618	3.331	ug/l	98
71) Bromoform	12.36	173	9722	3.924	ug/l #	99
73) Isopropylbenzene	12.48	105	63958	3.235	ug/l	100
74) N-amyl acetate	12.29	43	12948	3.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	14428	4.151	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	17983	7.581	ug/l #	100
77) Bromobenzene	12.77	156	18896	3.846	ug/l	98
78) n-propylbenzene	12.83	91	83502	3.559	ug/l	99
79) 2-Chlorotoluene	12.91	91	47521	3.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	53693	3.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	3871	3.444	ug/l	96
82) 4-Chlorotoluene	13.01	91	50599	3.642	ug/l	98
83) tert-Butylbenzene	13.23	119	43708	3.178	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	50348	3.142	ug/l	100
85) sec-Butylbenzene	13.41	105	63127	3.216	ug/l	98
86) p-Isopropyltoluene	13.53	119	54363	3.035	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	36630	3.878	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	38285	4.075	ug/l	92
89) n-Butylbenzene	13.86	91	52610	3.177	ug/l	99
90) Hexachloroethane	14.12	117	14233	3.858	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	30836	3.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2218	4.190	ug/l	84

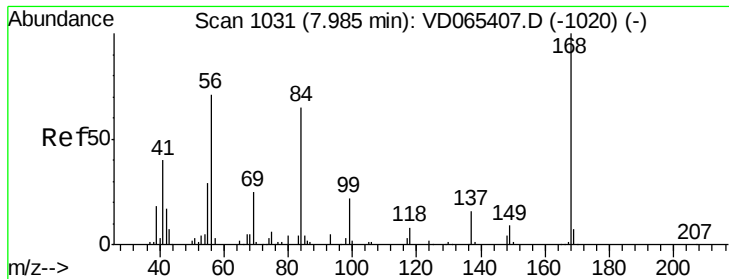
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20017	3.674	ug/l	93
94) Hexachlorobutadiene	15.28	225	13578	3.793	ug/l	98
95) Naphthalene	15.41	128	26460	3.037	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	16657	3.538	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: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

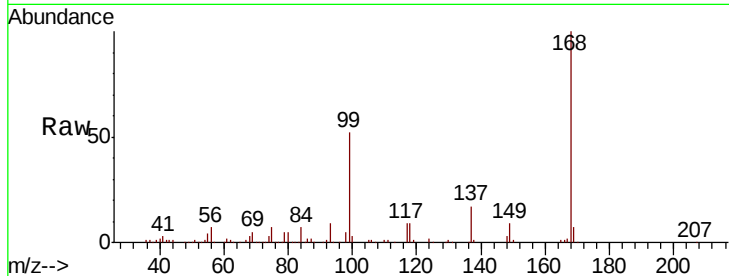
ClientSampleId :

Tot Ion:168 Resp: 426498

Ion Ratio Lower Upper

168 100

99 51.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

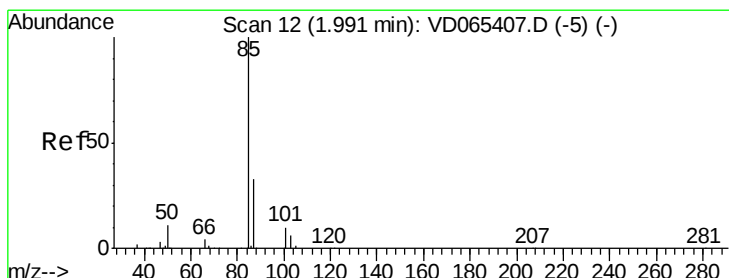
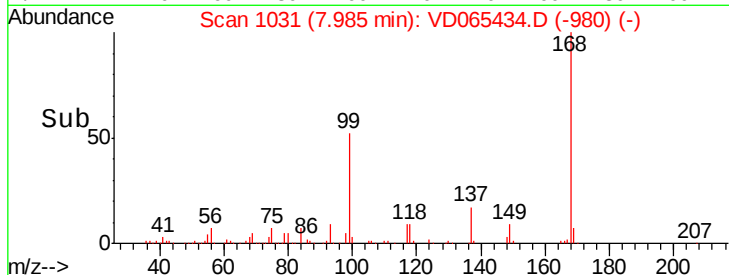
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.860 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065434.D

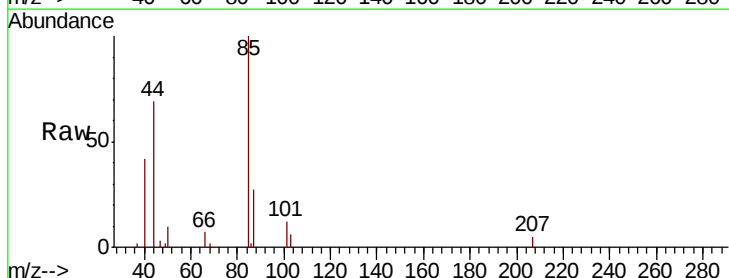
Acq: 05 Mar 2020 16:37

Tgt Ion: 85 Resp: 14149

Ion Ratio Lower Upper

85 100

87 26.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

10000

8000

6000

4000

2000

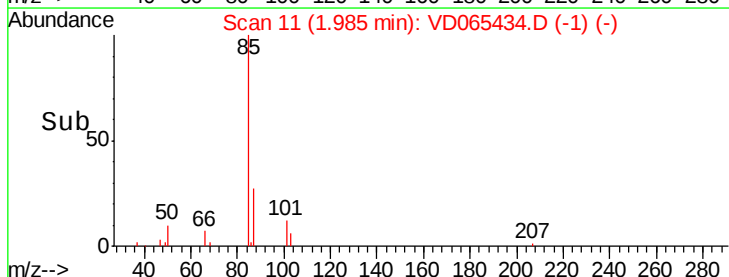
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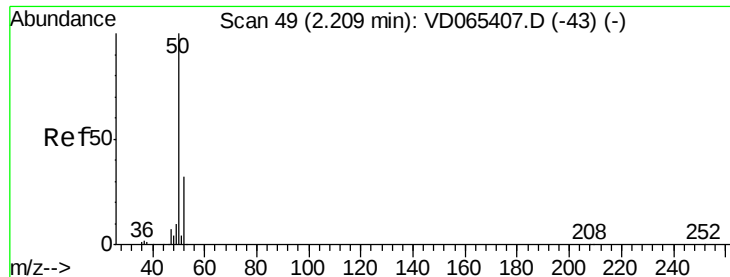
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 4.480 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

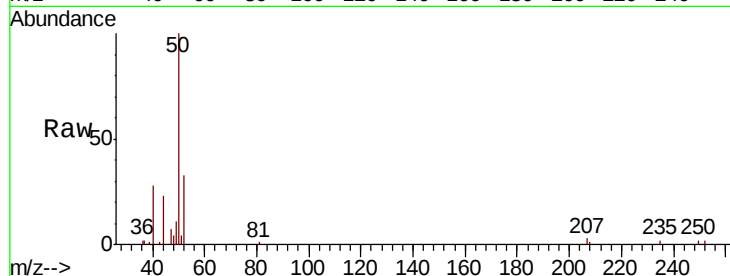
ClientSampleId :

Tot Ion: 50 Resp: 19826

Ion Ratio Lower Upper

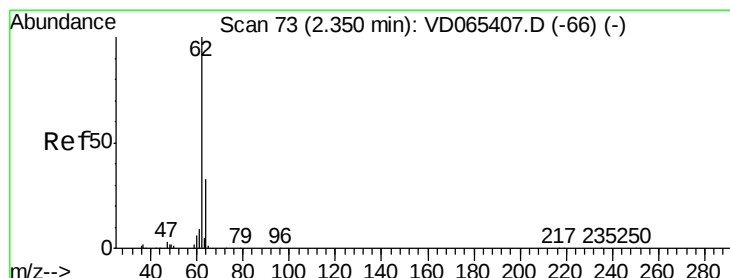
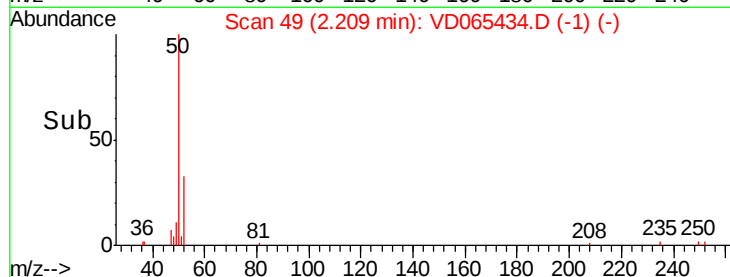
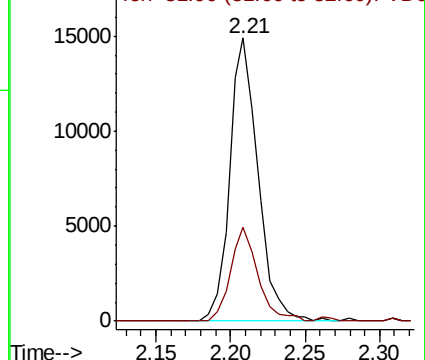
50 100

52 33.1 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: 4.216 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065434.D

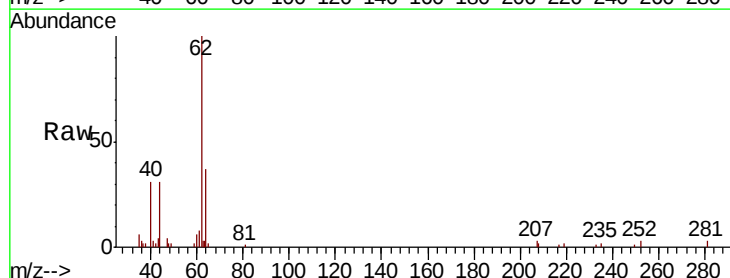
Acq: 05 Mar 2020 16:37

Tgt Ion: 62 Resp: 18404

Ion Ratio Lower Upper

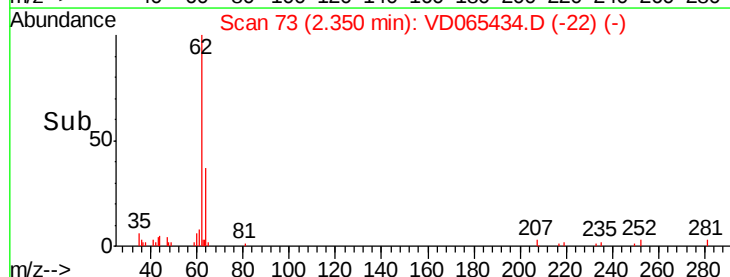
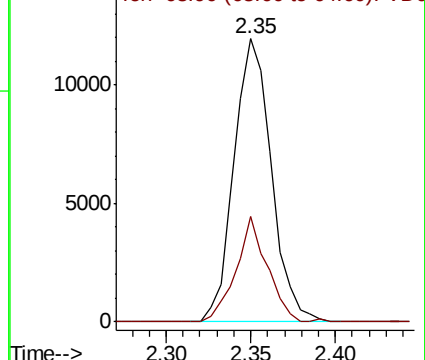
62 100

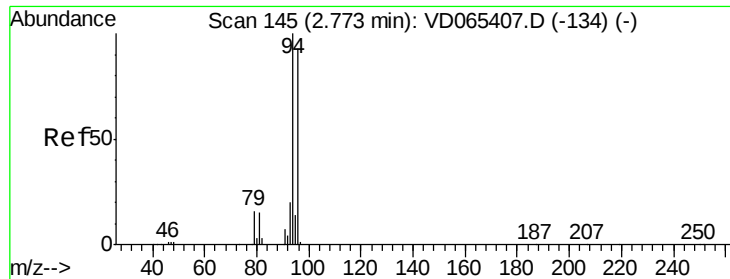
64 37.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.708 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

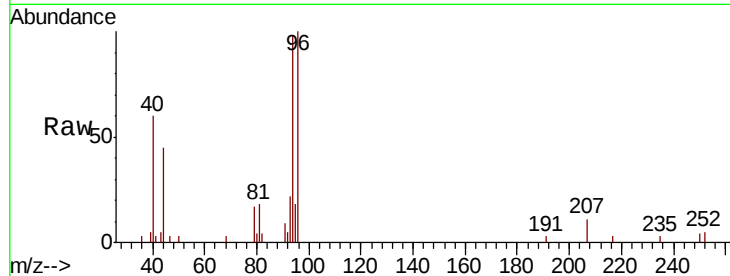
ClientSampleId :

Tot Ion: 94 Resp: 13141

Ion Ratio Lower Upper

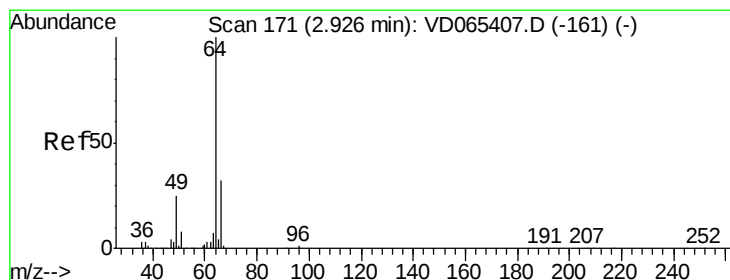
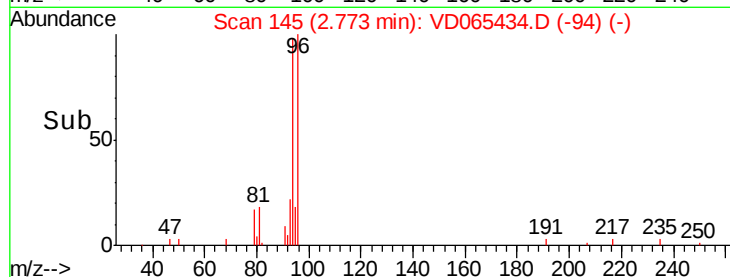
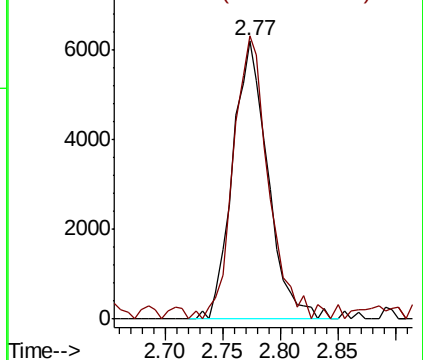
94 100

96 101.6 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.360 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065434.D

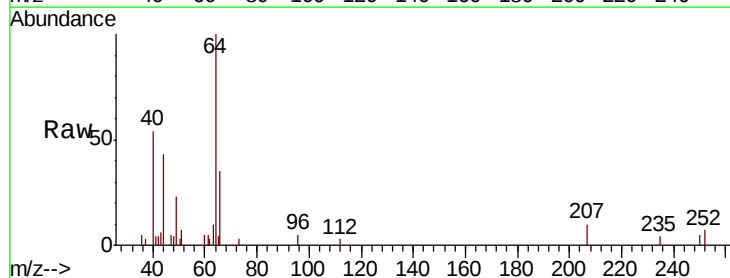
Acq: 05 Mar 2020 16:37

Tgt Ion: 64 Resp: 11656

Ion Ratio Lower Upper

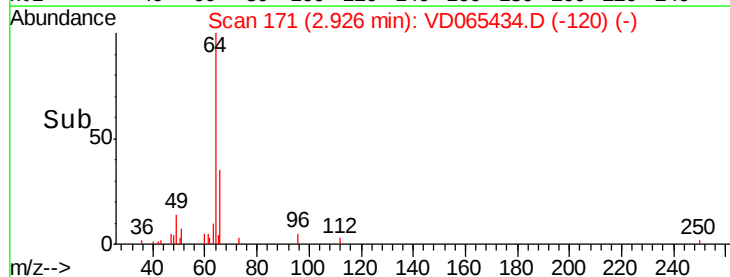
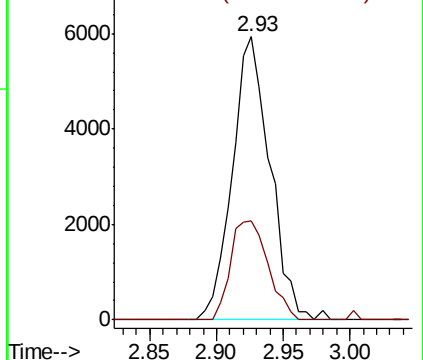
64 100

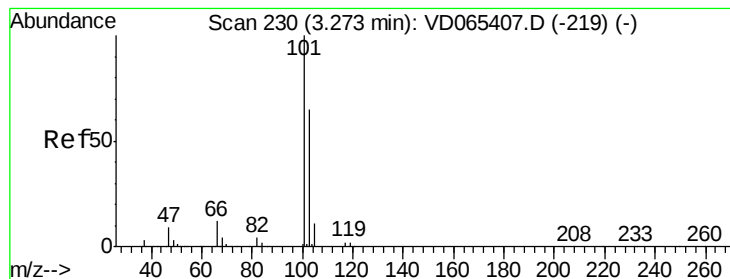
66 34.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



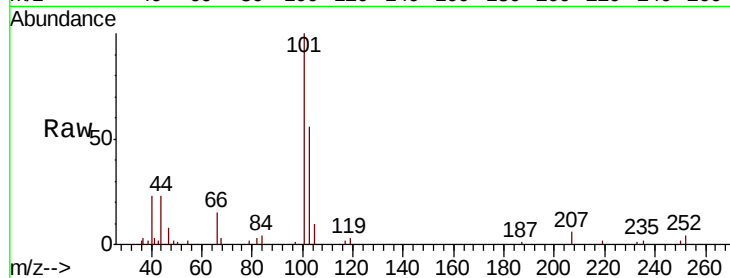


#7

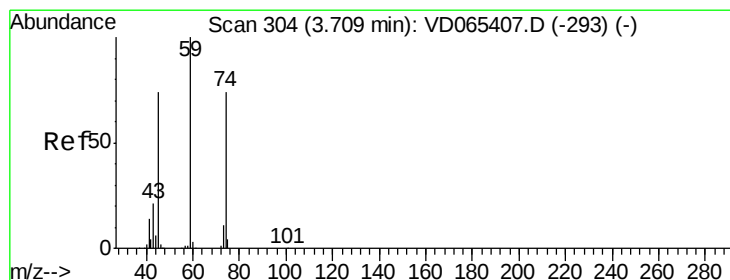
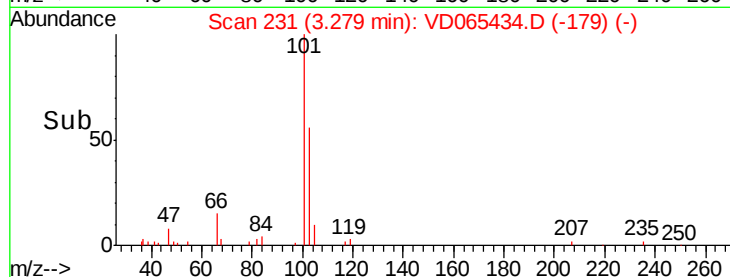
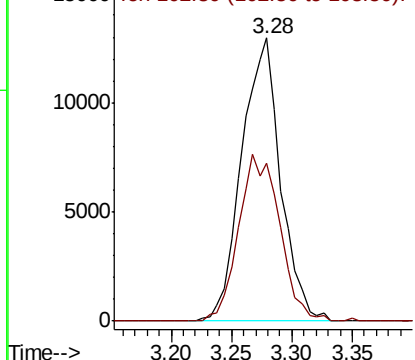
Trichlorofluoromethane
Concen: 4.527 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 29119
Ion Ratio Lower Upper
101 100
103 56.0 52.1 78.1



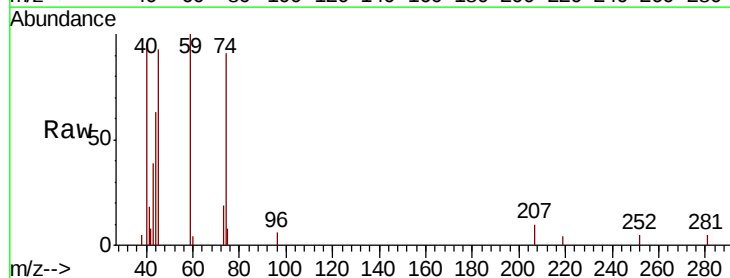
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



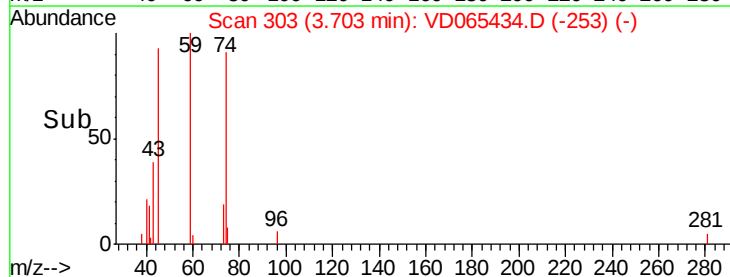
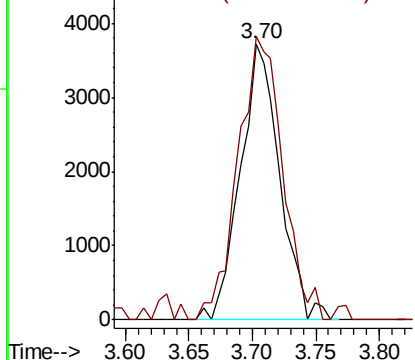
#8

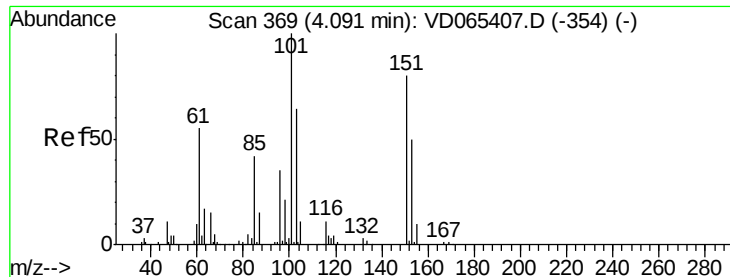
Diethyl Ether
Concen: 4.185 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 74 Resp: 8005
Ion Ratio Lower Upper
74 100
45 116.8 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: 4.383 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

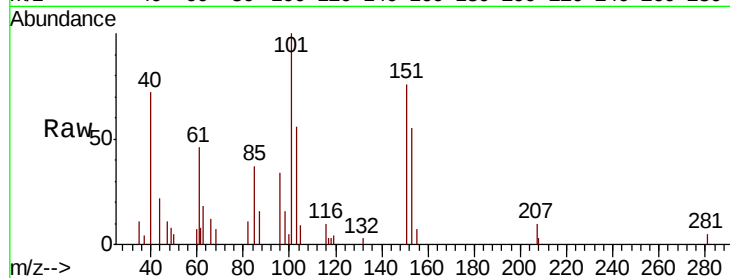
Tot Ion:101 Resp: 18155

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.2

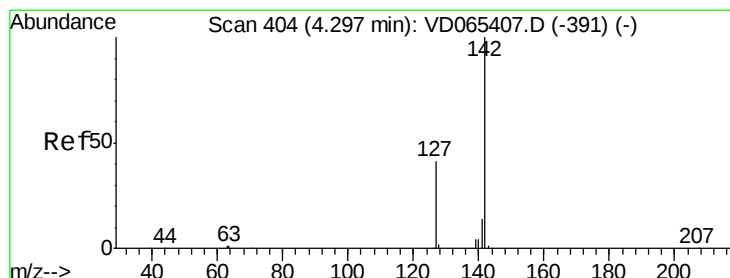
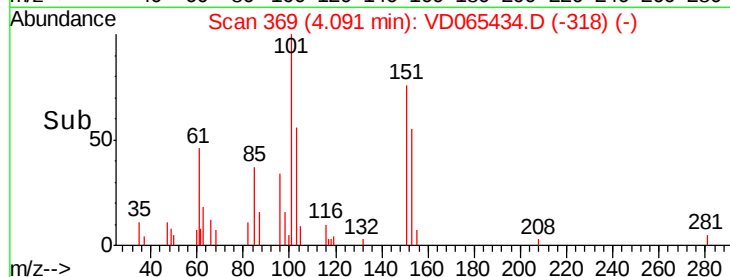
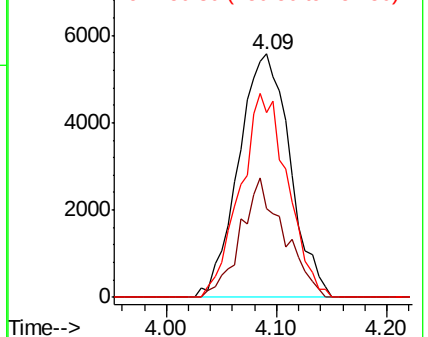
151 77.3 65.1 97.7



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: 3.092 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

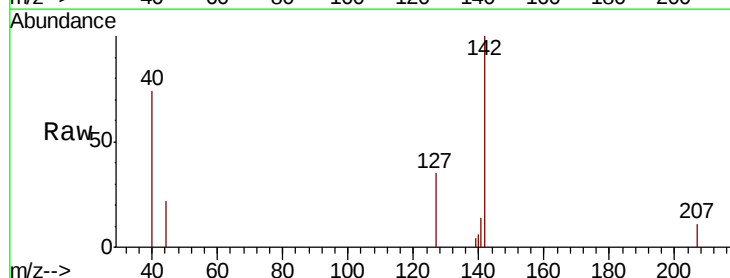
Tgt Ion:142 Resp: 13306

Ion Ratio Lower Upper

142 100

127 41.2 35.0 52.6

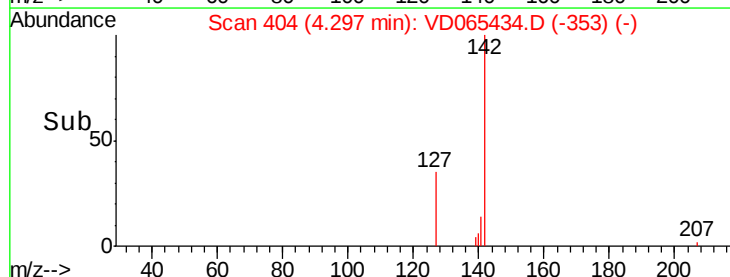
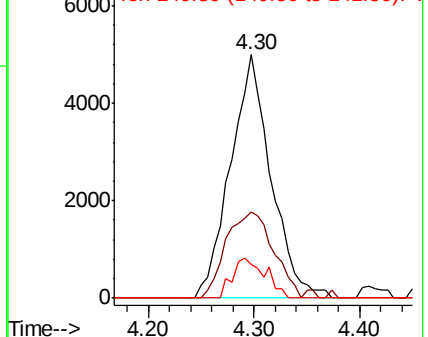
141 13.3 12.4 18.6

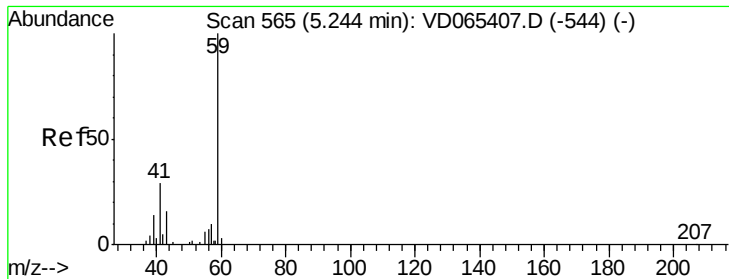


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



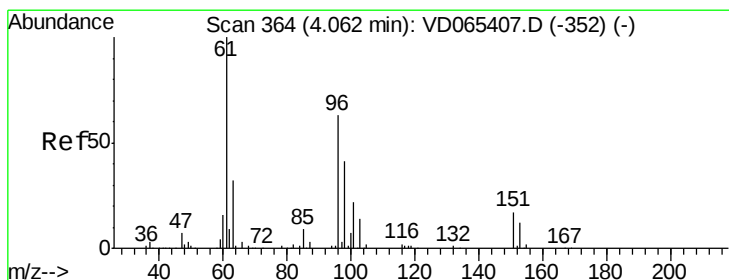
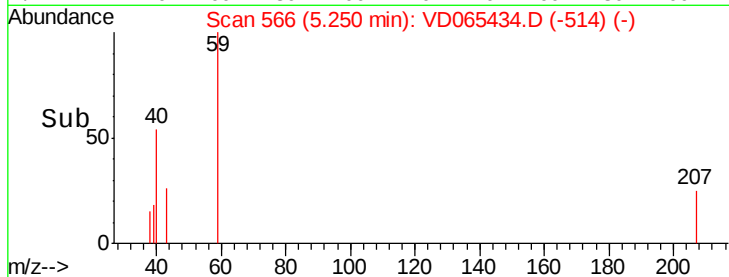
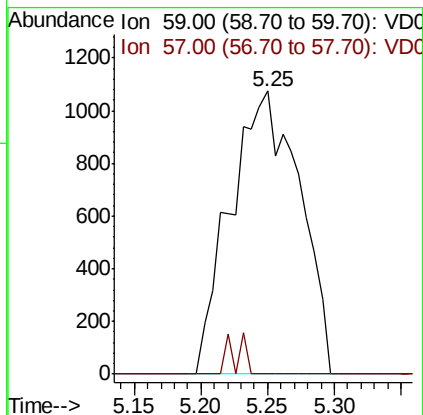
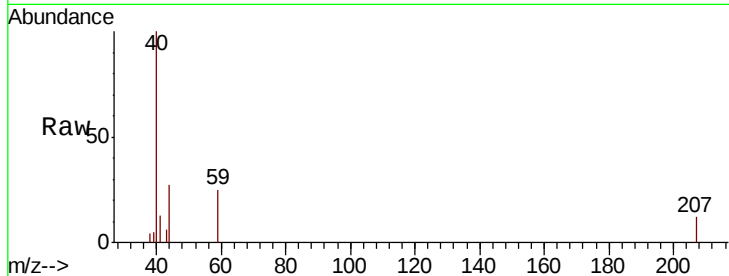


#11

Tert butyl alcohol
 Concen: 18.485 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Instrument :
 MSVOA_D
 ClientSampleId :

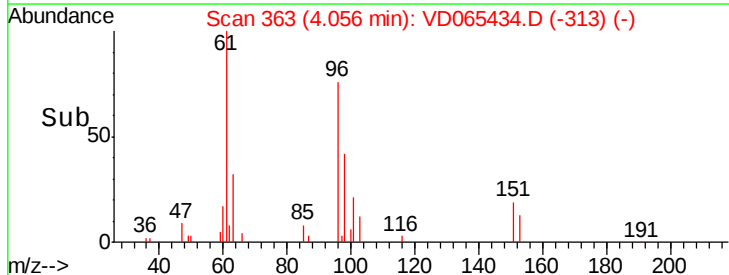
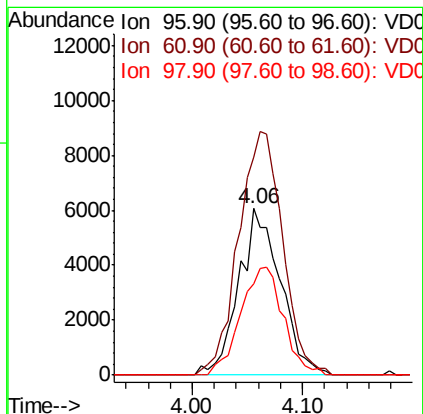
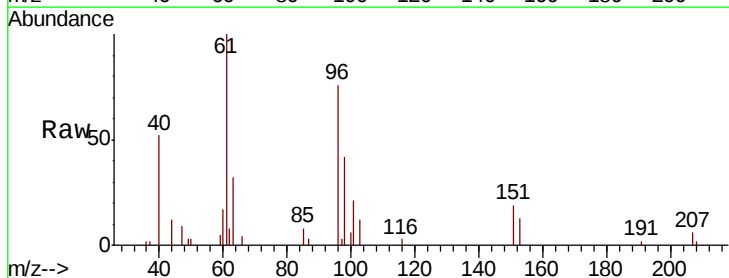
Tot Ion: 59 Resp: 3879
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

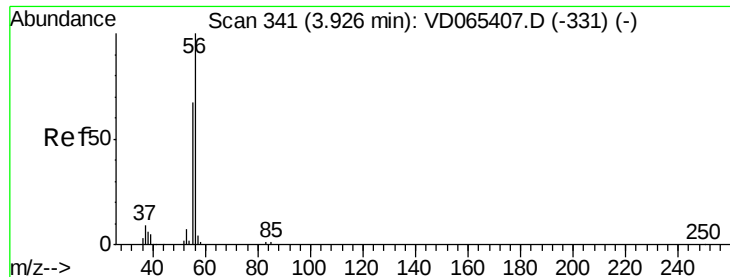


#12

1,1-Dichloroethene
 Concen: 4.044 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion: 96 Resp: 16039
 Ion Ratio Lower Upper
 96 100
 61 131.4 128.0 192.0
 98 54.7 51.9 77.9





#13

Acrolein

Concen: 21.351 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

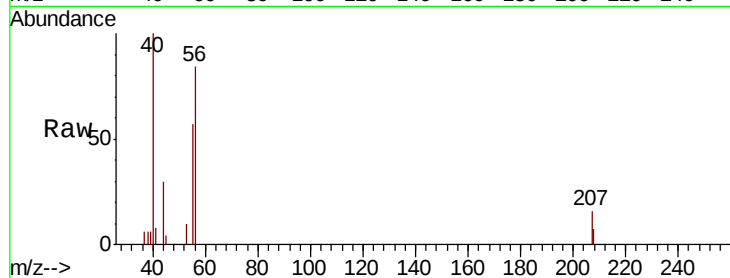
ClientSampleId :

Tot Ion: 56 Resp: 7727

Ion Ratio Lower Upper

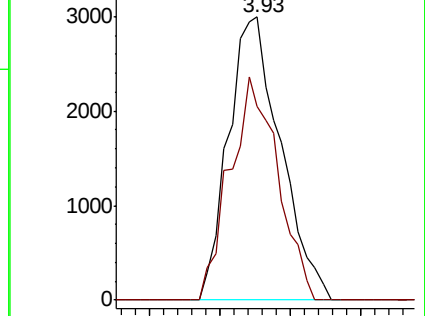
56 100

55 72.4 56.6 85.0

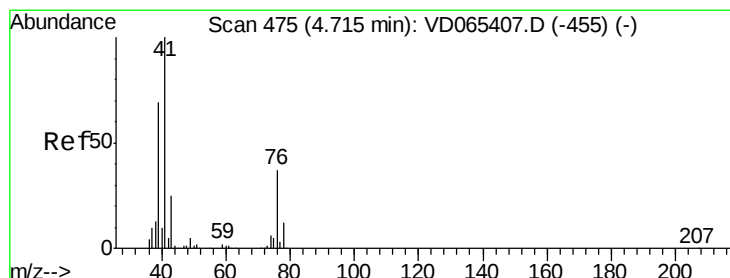
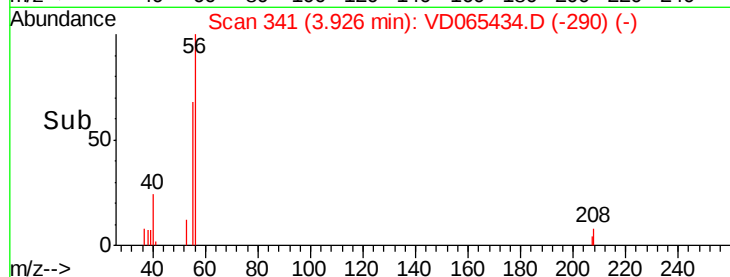


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 3.946 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

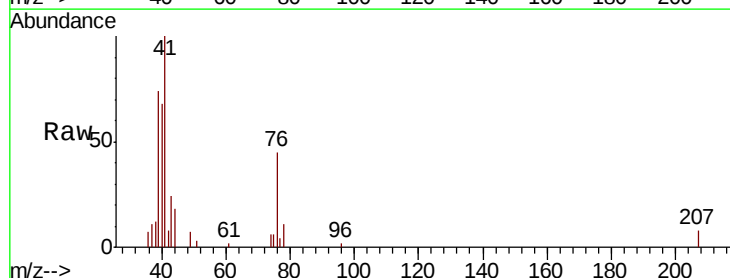
Tgt Ion: 41 Resp: 24044

Ion Ratio Lower Upper

41 100

39 67.1 52.6 79.0

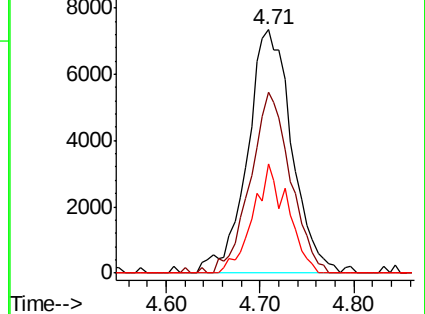
76 35.2 29.2 43.8



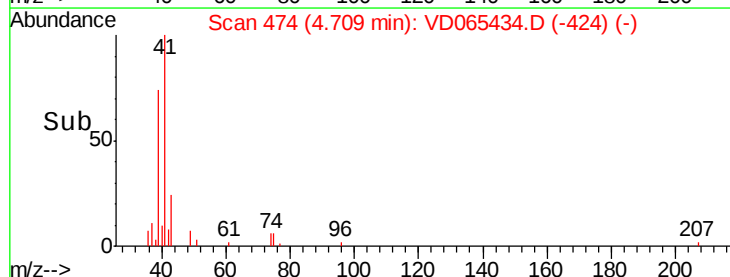
Abundance Ion 41.00 (40.70 to 41.70): VDC

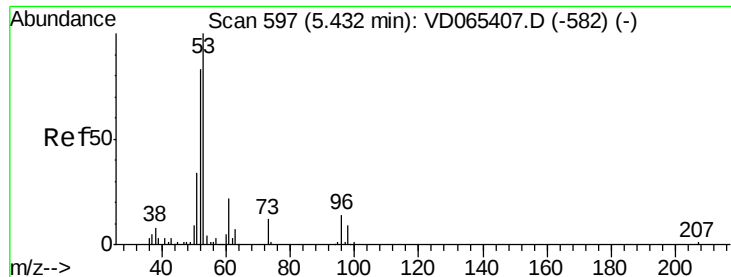
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time-->





#15

Acrylonitrile

Concen: 20.422 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

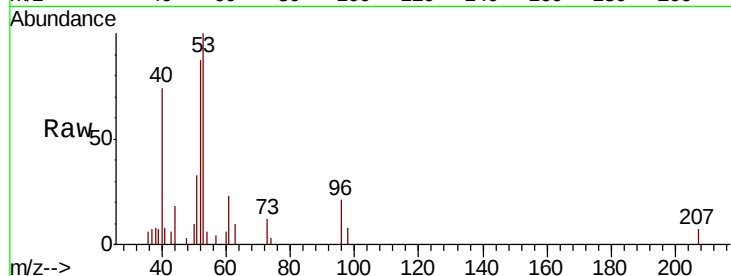
Tot Ion: 53 Resp: 16993

Ion Ratio Lower Upper

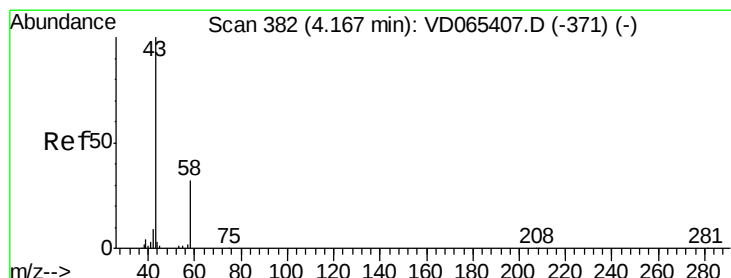
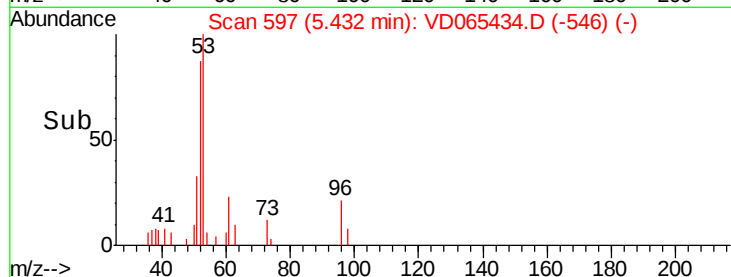
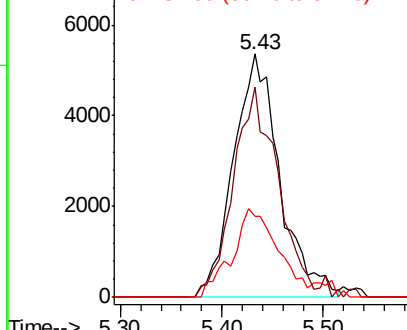
53 100

52 83.1 65.1 97.7

51 36.6 28.5 42.7



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



#16

Acetone

Concen: 21.031 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065434.D

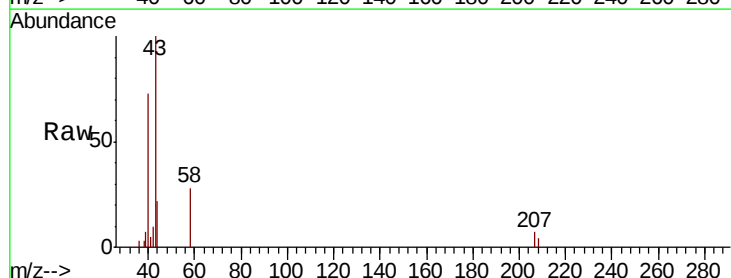
Acq: 05 Mar 2020 16:37

Tgt Ion: 43 Resp: 15561

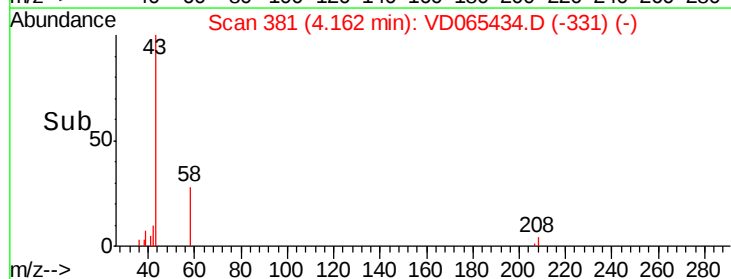
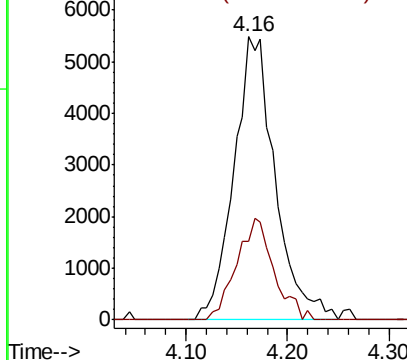
Ion Ratio Lower Upper

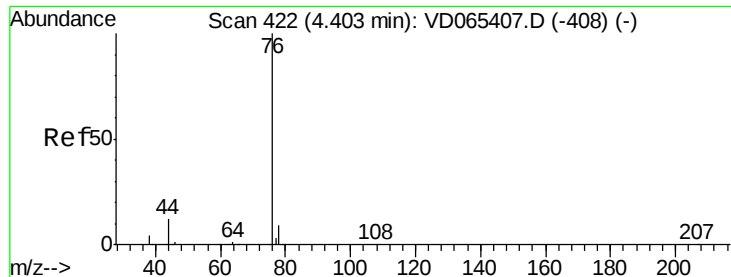
43 100

58 27.6 25.1 37.7



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

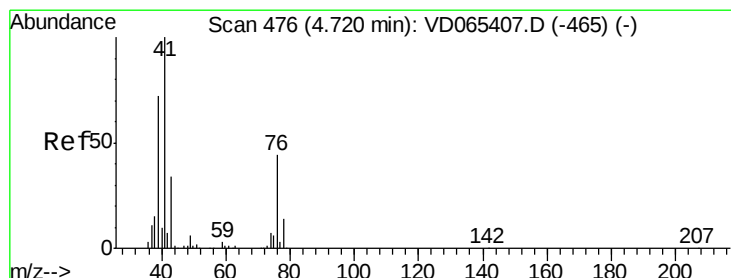
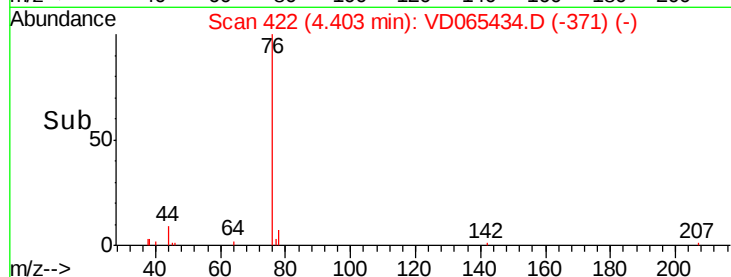
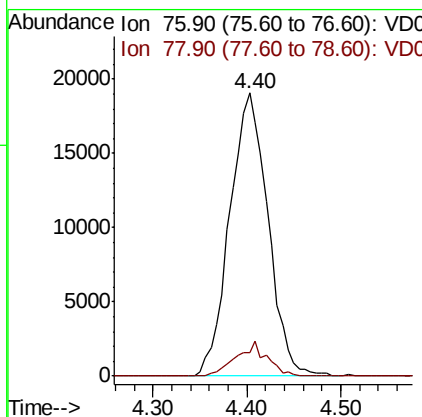
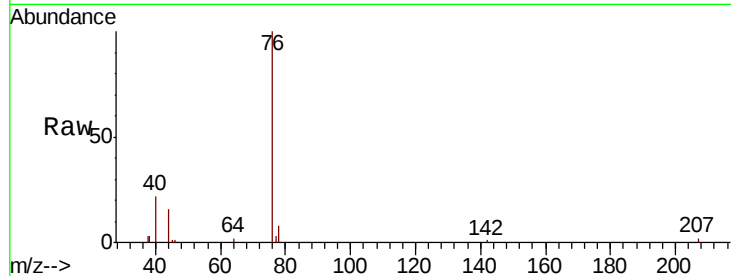




#17
Carbon Disulfide
Concen: 4.065 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

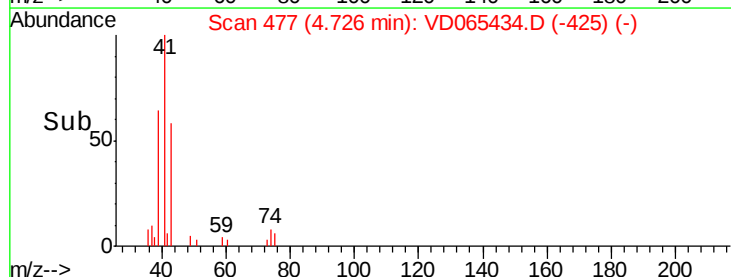
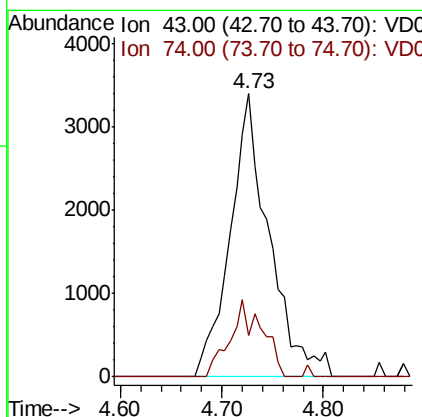
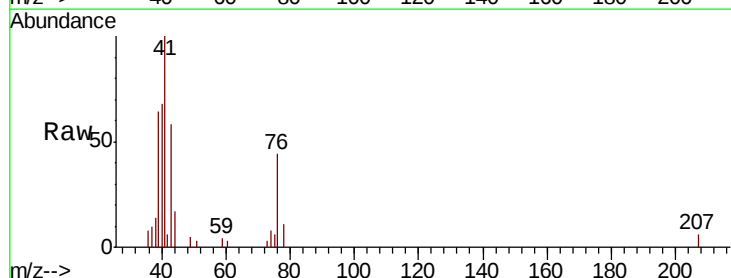
Instrument :
MSVOA_D
ClientSampleId :

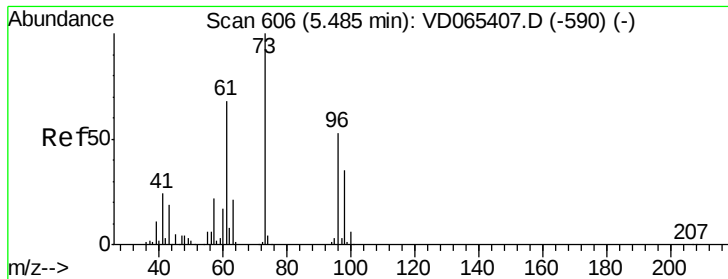
Tot Ion: 76 Resp: 53693
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#18
Methyl Acetate
Concen: 4.819 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 43 Resp: 9044
Ion Ratio Lower Upper
43 100
74 22.6 19.6 29.4

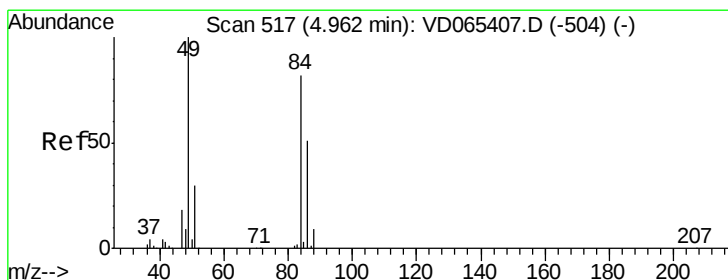
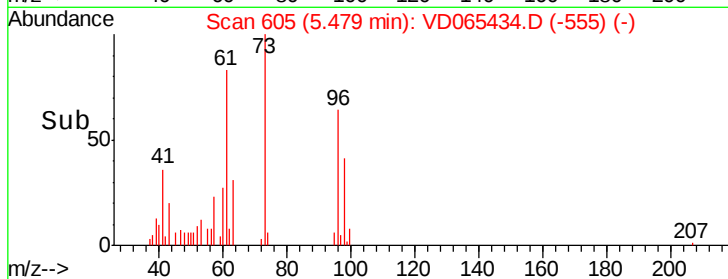
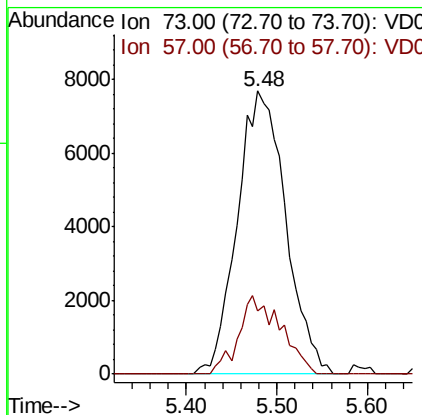
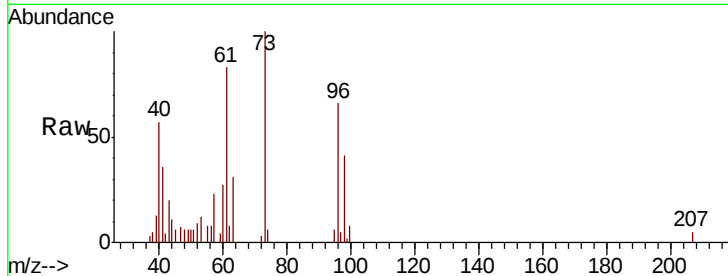




#19
Methyl tert-butyl Ether
Concen: 3.740 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

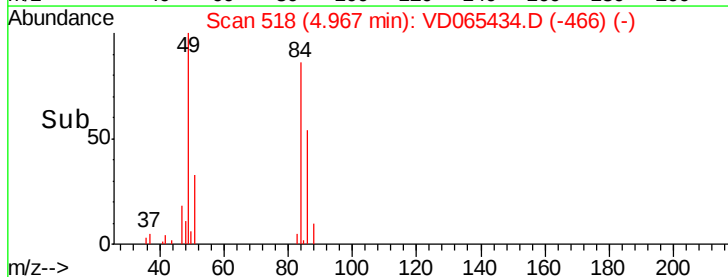
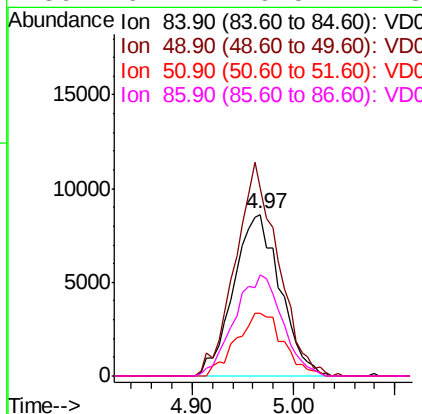
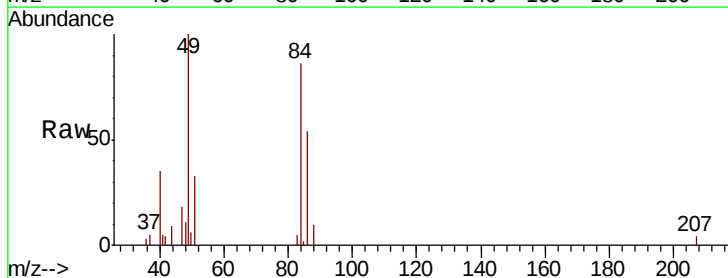
Instrument :
MSVOA_D
ClientSampled :

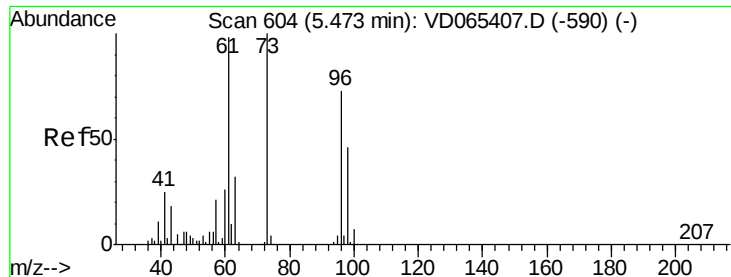
Tot Ion: 73 Resp: 28526
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 6.022 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 84 Resp: 27564
Ion Ratio Lower Upper
84 100
49 116.1 97.7 146.5
51 38.4 28.8 43.2
86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 4.182 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

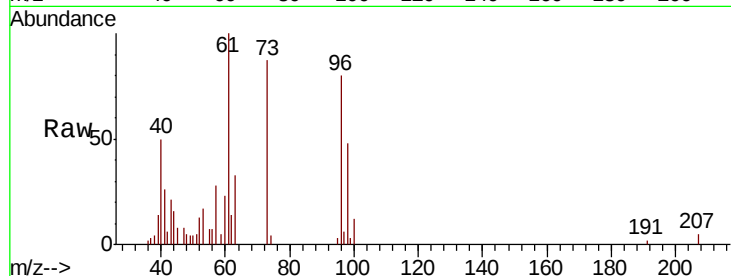
Tot Ion: 96 Resp: 18452

Ion Ratio Lower Upper

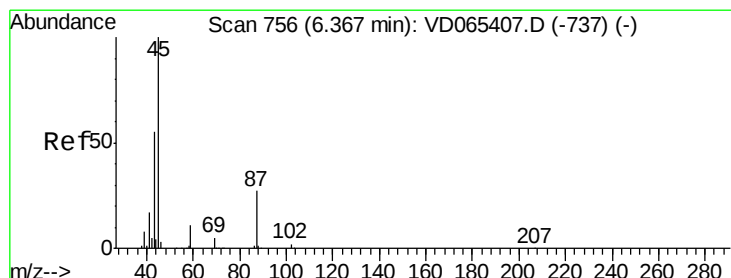
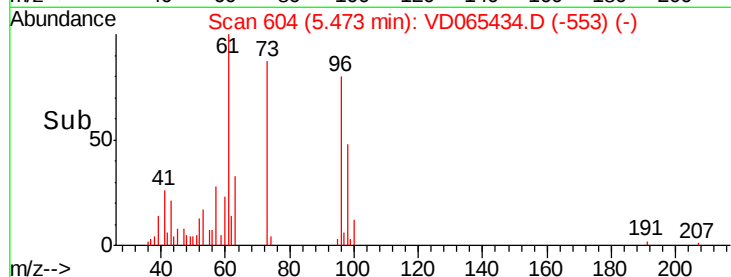
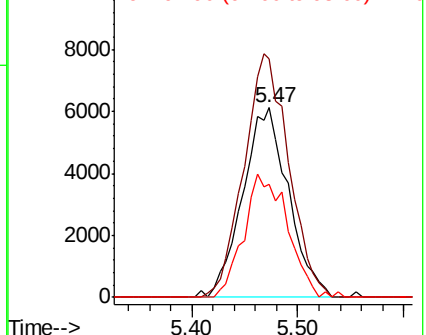
96 100

61 125.7 106.3 159.5

98 59.8 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: 3.703 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Tgt Ion: 45 Resp: 41940

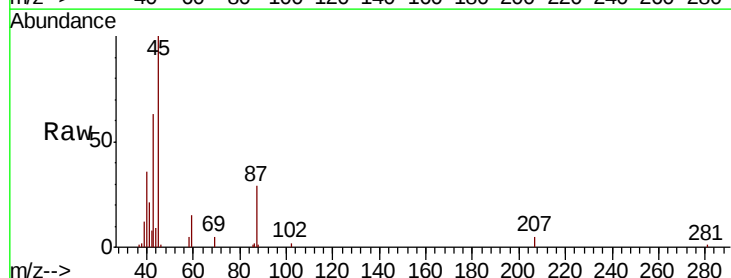
Ion Ratio Lower Upper

45 100

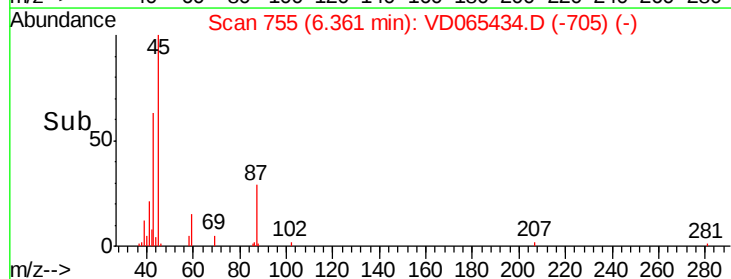
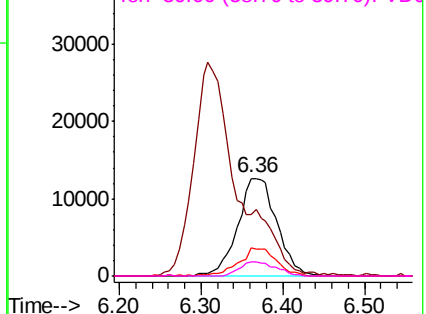
43 60.7 44.4 66.6

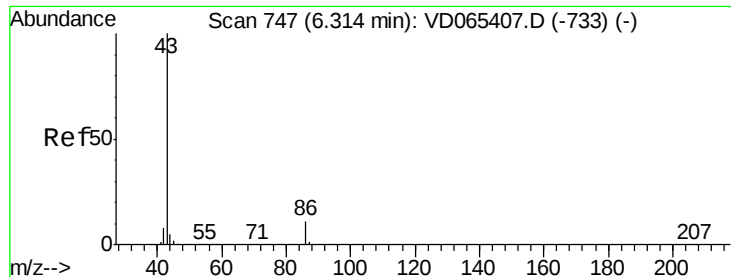
87 29.4 21.9 32.9

59 14.6 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: 16.567 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

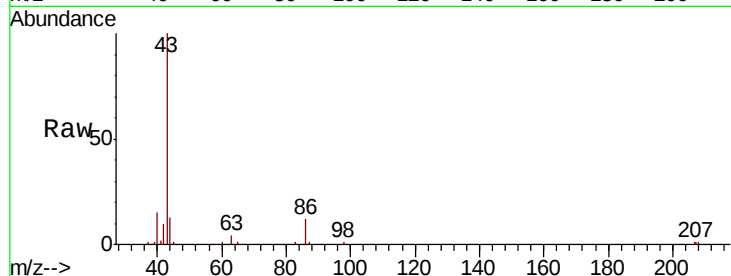
ClientSampleId :

Tot Ion: 43 Resp: 104192

Ion Ratio Lower Upper

43 100

86 11.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

30000

25000

20000

15000

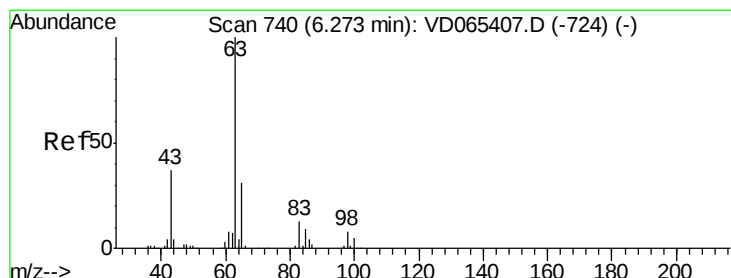
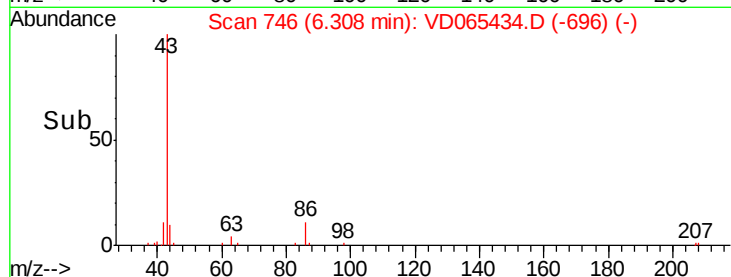
10000

5000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 4.255 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

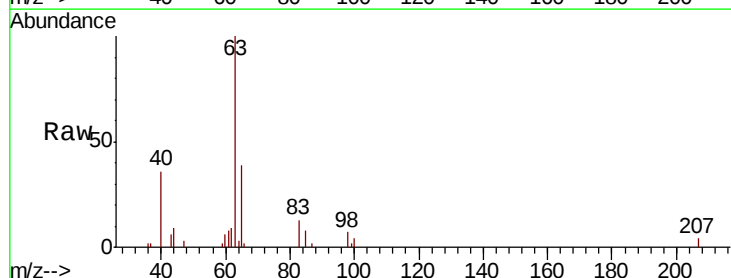
Tgt Ion: 63 Resp: 30916

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

100 3.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

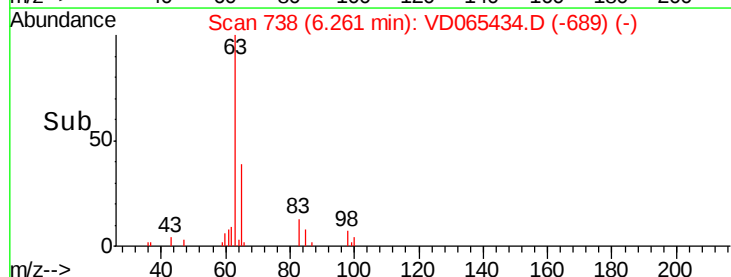
10000

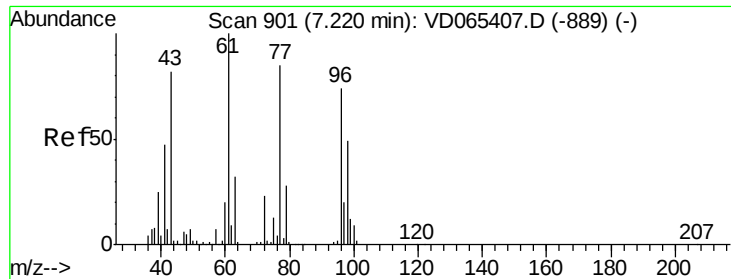
5000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 18.730 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

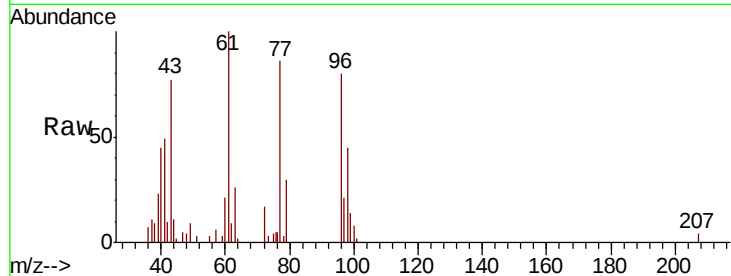
ClientSampleId :

Tot Ion: 43 Resp: 18912

Ion Ratio Lower Upper

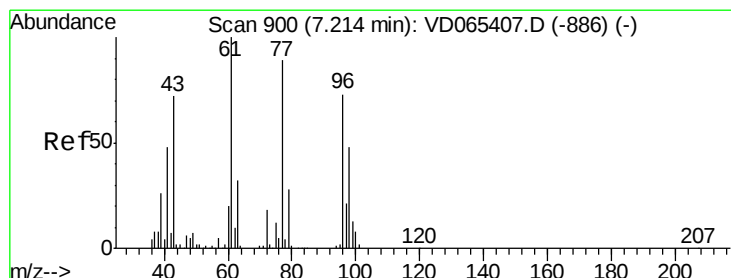
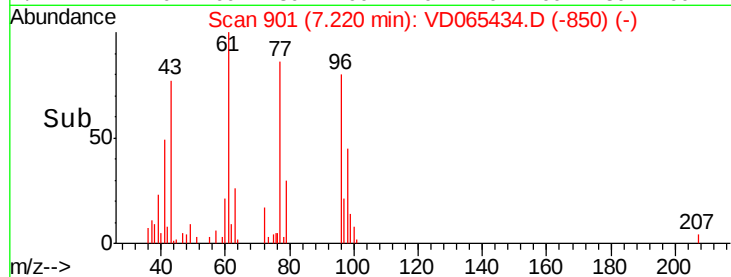
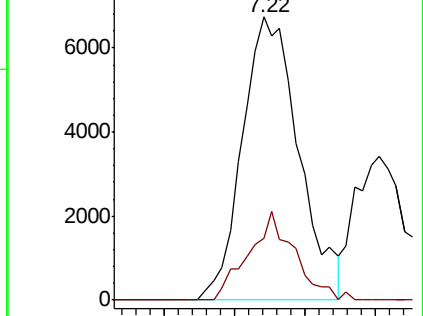
43 100

72 21.8 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: 4.009 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065434.D

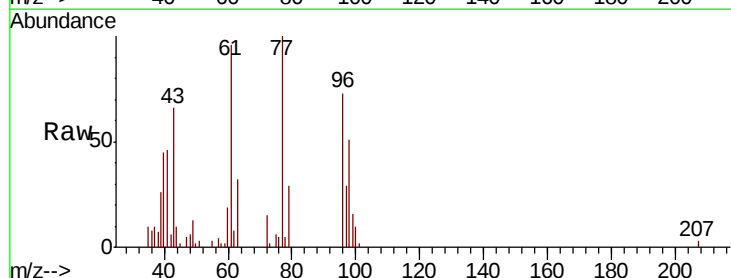
Acq: 05 Mar 2020 16:37

Tgt Ion: 77 Resp: 25451

Ion Ratio Lower Upper

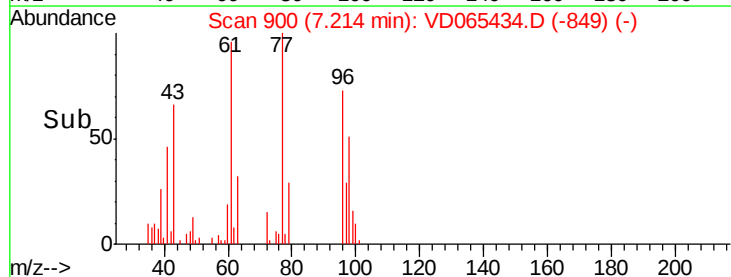
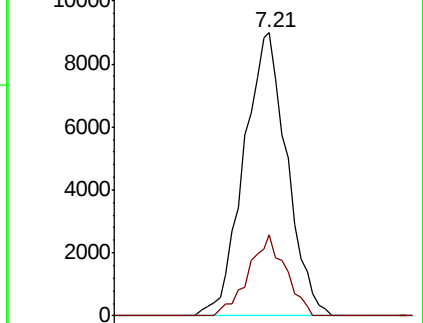
77 100

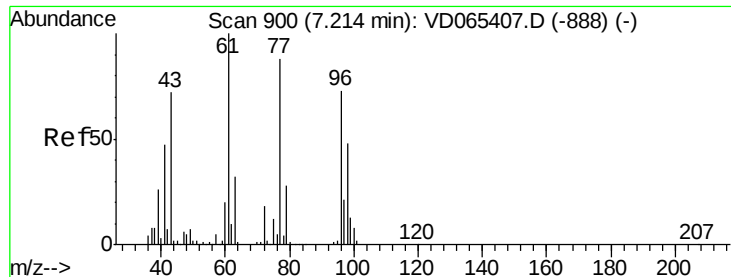
97 24.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



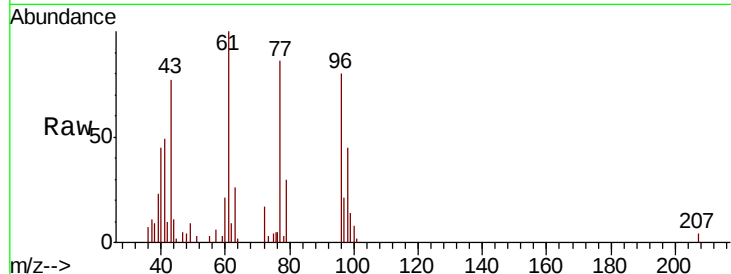


#27

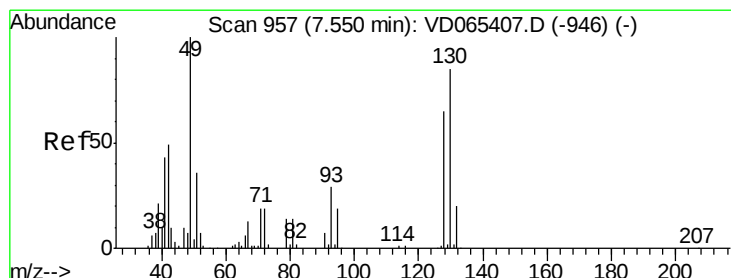
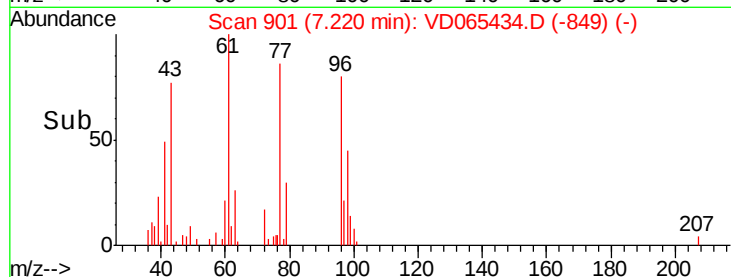
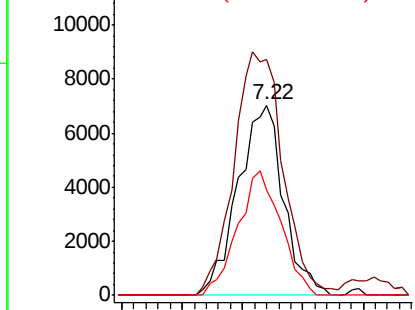
cis-1,2-Dichloroethene
 Concen: 4.093 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 18459
 Ion Ratio Lower Upper
 96 100
 61 138.1 0.0 280.4
 98 62.0 0.0 132.6



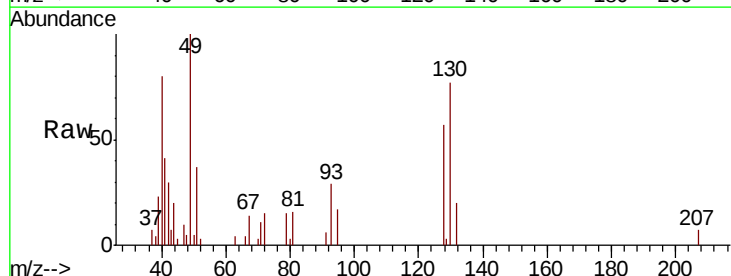
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



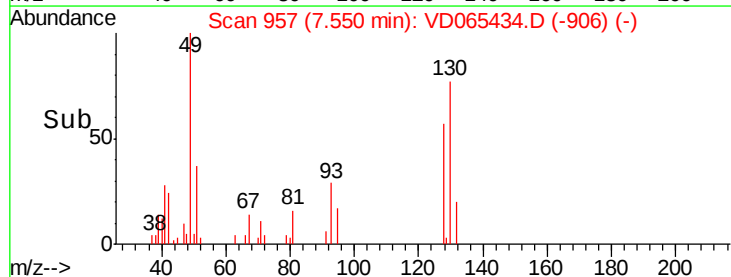
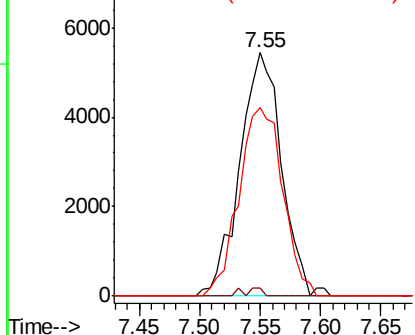
#28

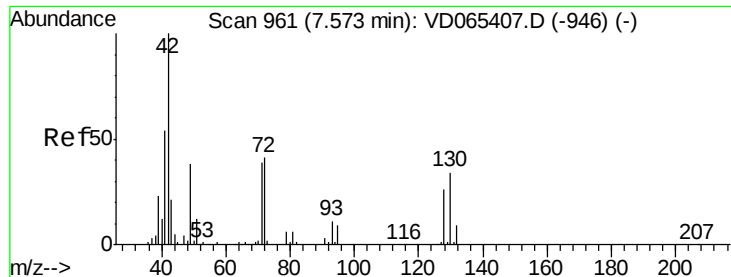
Bromochloromethane
 Concen: 4.533 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion: 49 Resp: 13176
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 4.6
 130 81.3 66.6 100.0



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

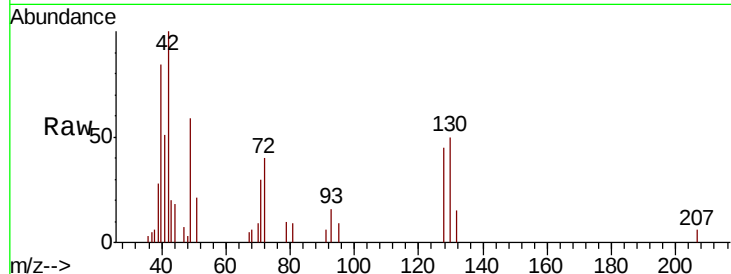




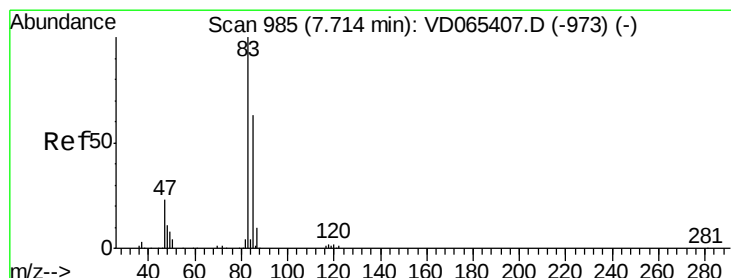
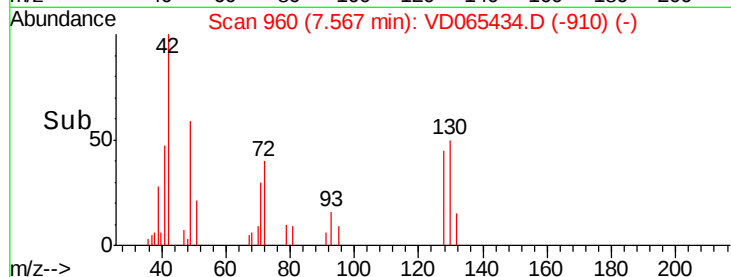
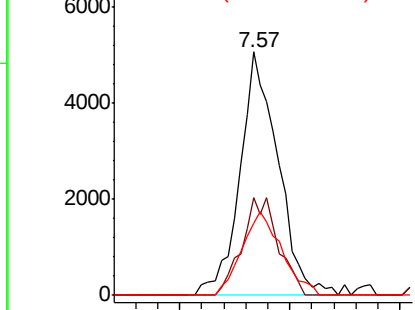
#29
Tetrahydrofuran
Concen: 19.097 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 12314
Ion Ratio Lower Upper
42 100
72 38.2 33.0 49.6
71 35.6 32.0 48.0

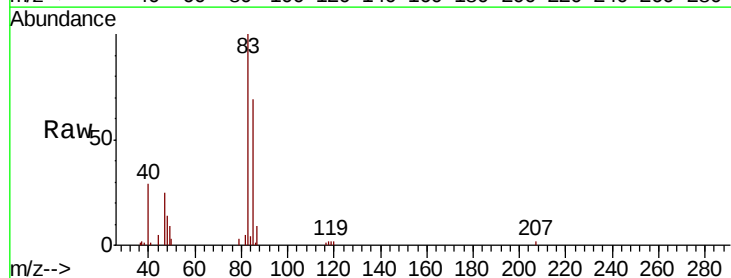


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

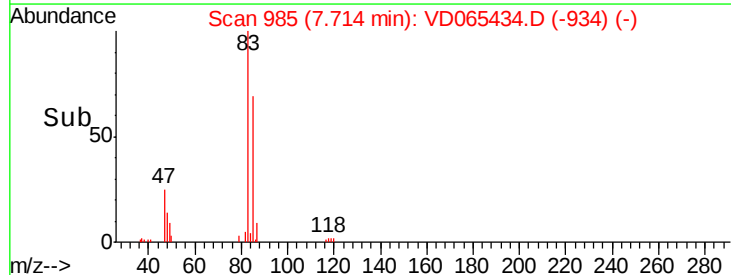
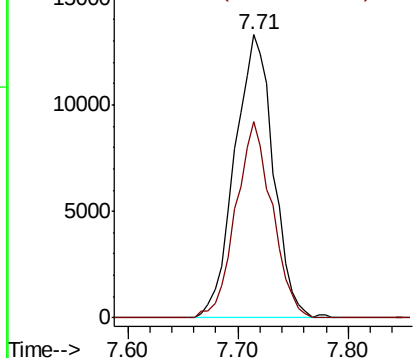


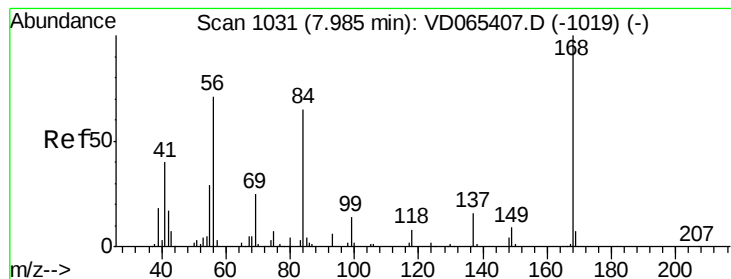
#30
Chloroform
Concen: 4.487 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 83 Resp: 32581
Ion Ratio Lower Upper
83 100
85 69.5 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: 4.395 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampled :

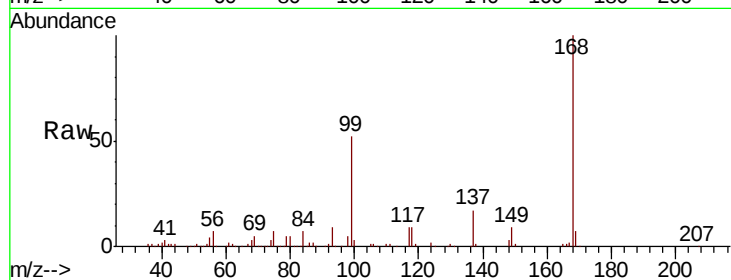
Tot Ion: 56 Resp: 31932

Ion Ratio Lower Upper

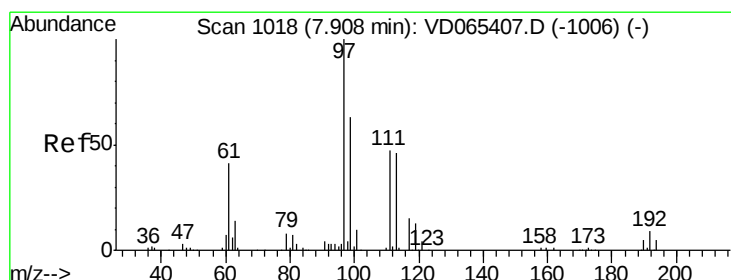
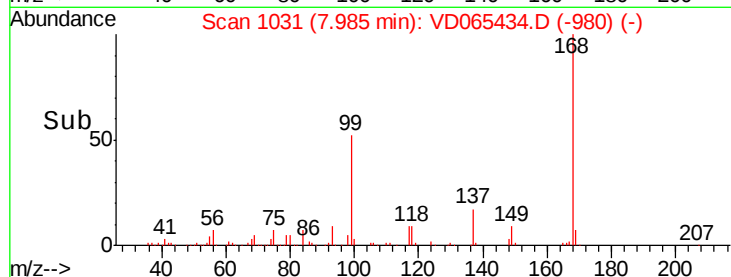
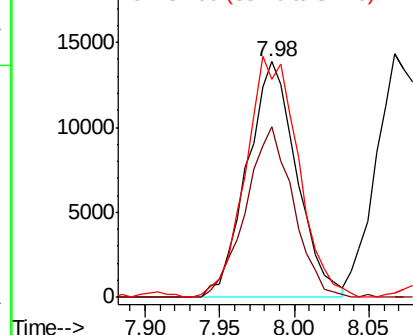
56 100

69 72.7 28.3 42.5#

84 92.7 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: 4.261 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

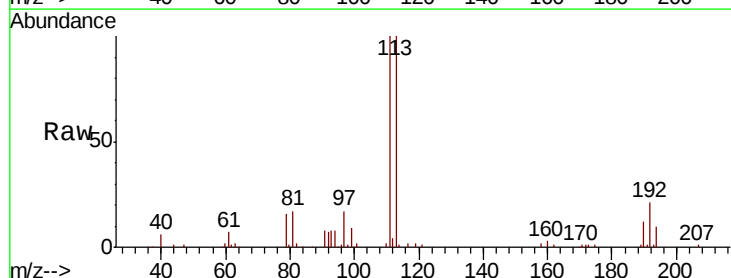
Tgt Ion: 97 Resp: 28597

Ion Ratio Lower Upper

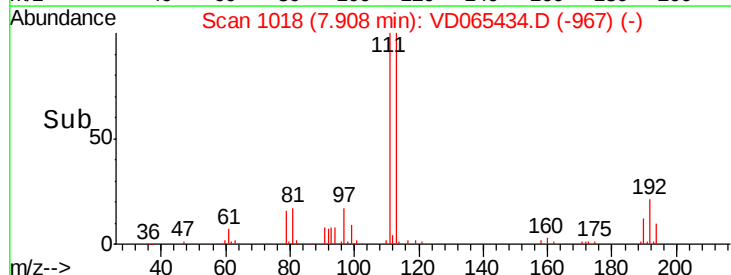
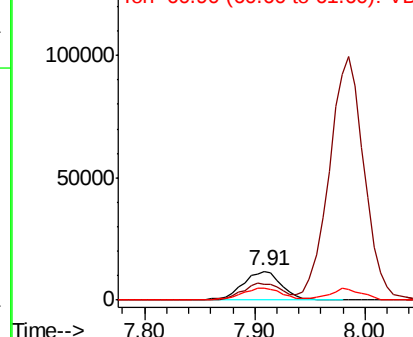
97 100

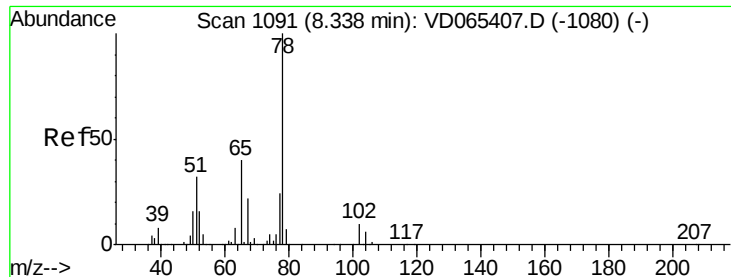
99 58.9 50.9 76.3

61 44.3 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: 54.848 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

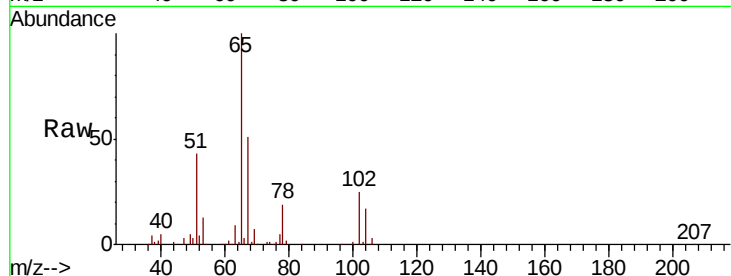
ClientSampleId :

Tot Ion: 65 Resp: 200660

Ion Ratio Lower Upper

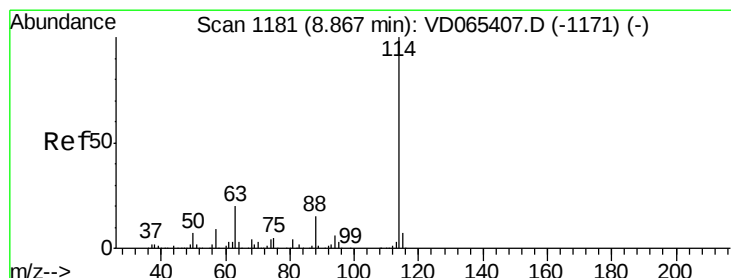
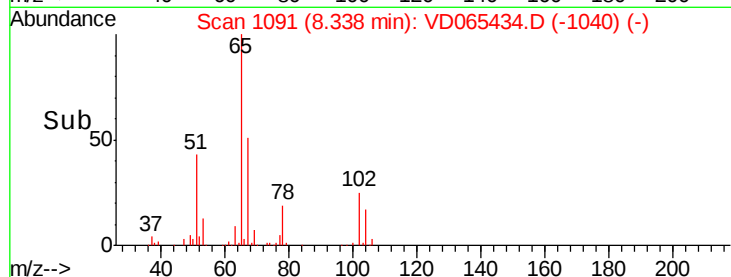
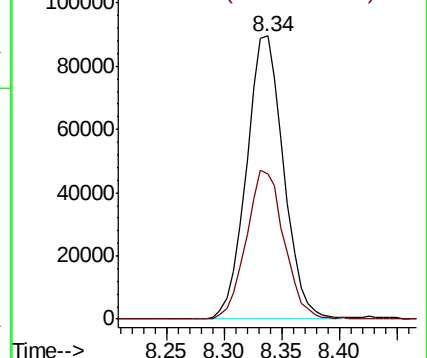
65 100

67 53.4 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: VD065434.D

Acq: 05 Mar 2020 16:37

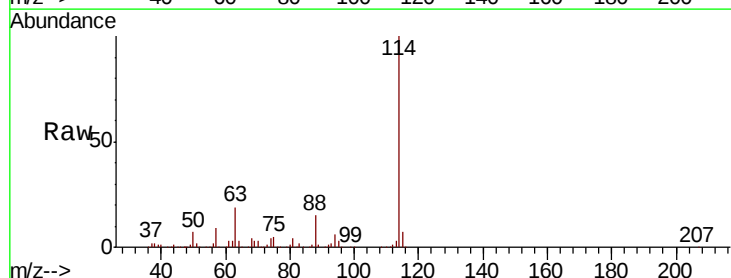
Tgt Ion: 114 Resp: 665775

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

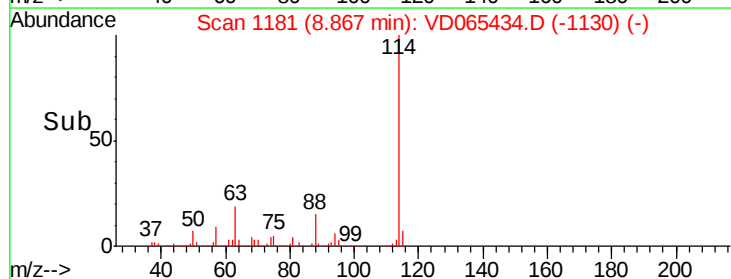
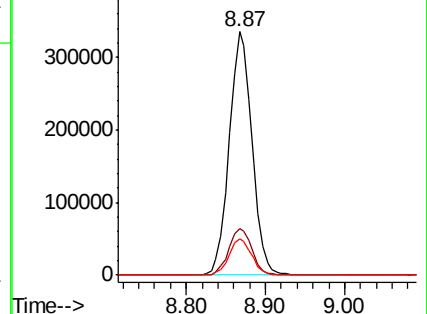
88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.484 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

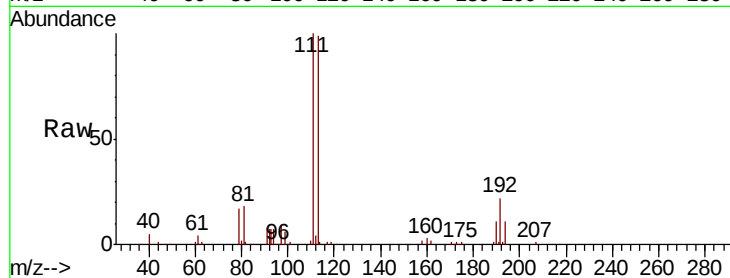
Tot Ion:113 Resp: 211968

Ion Ratio Lower Upper

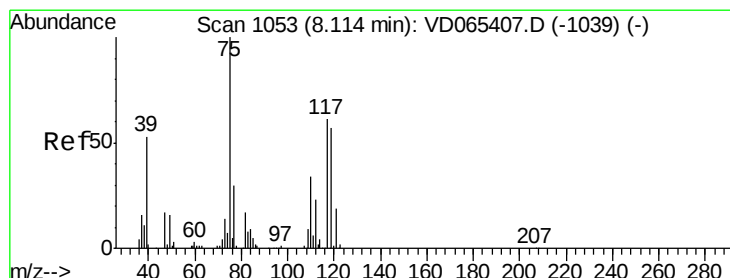
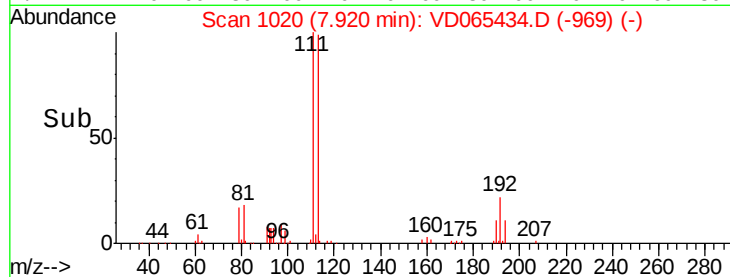
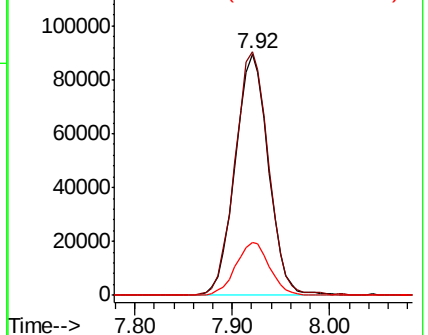
113 100

111 101.9 82.1 123.1

192 22.2 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.915 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

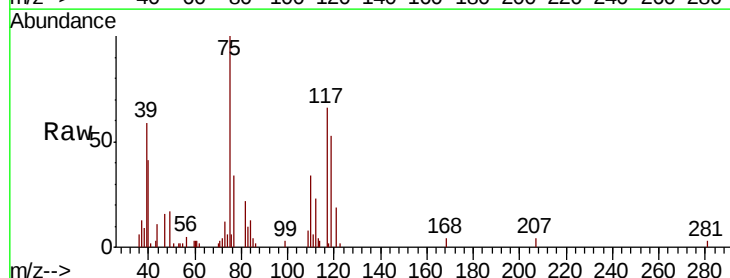
Tgt Ion: 75 Resp: 24985

Ion Ratio Lower Upper

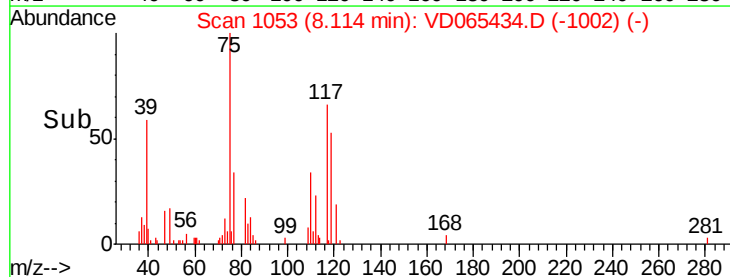
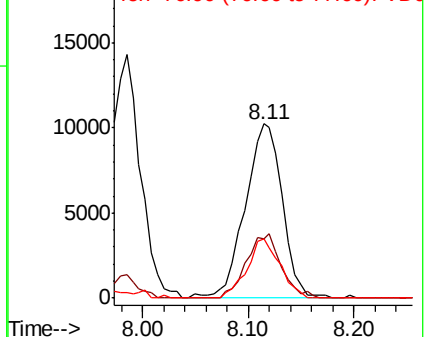
75 100

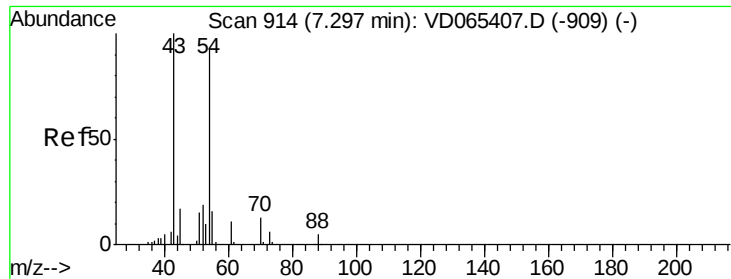
110 34.5 18.1 54.1

77 30.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

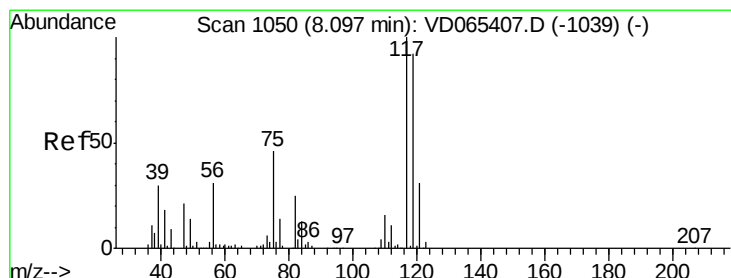
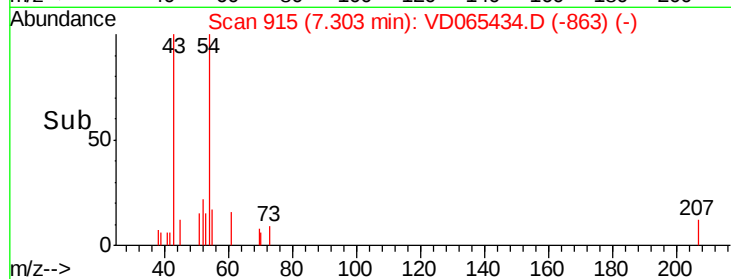
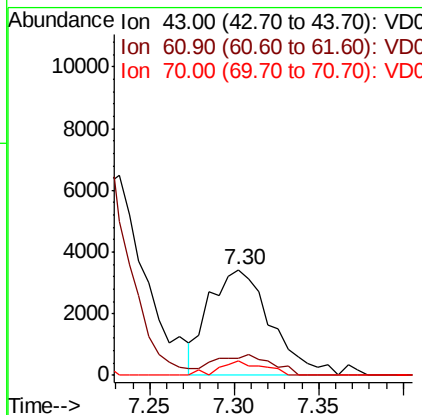
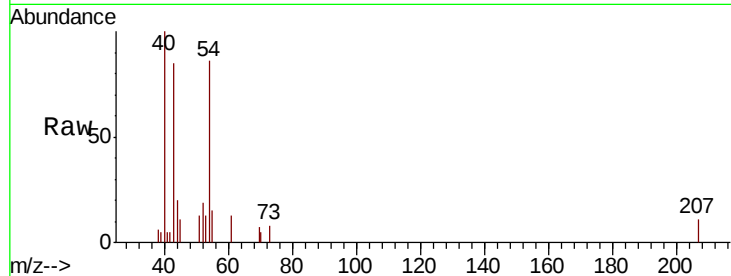




#37
Ethyl Acetate
Concen: 3.521 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

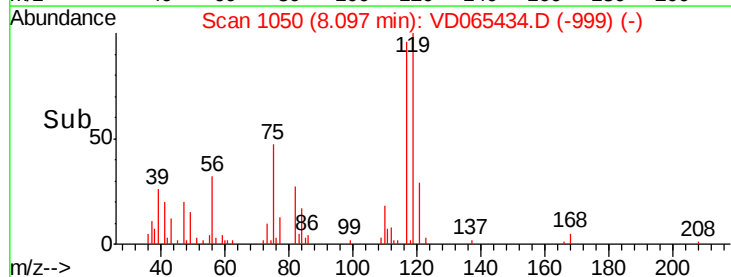
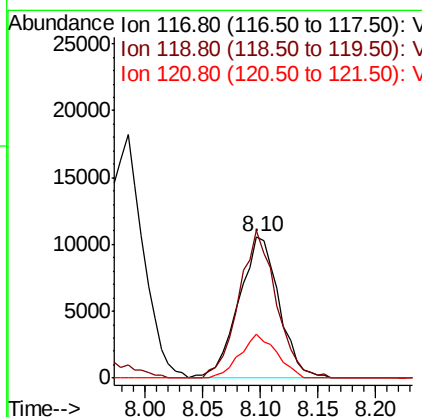
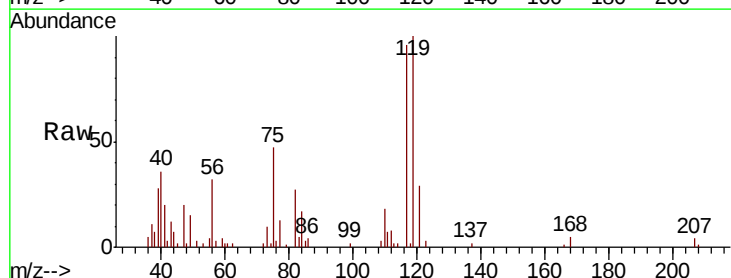
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 8686
Ion Ratio Lower Upper
43 100
61 17.5 11.4 17.0#
70 9.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 3.883 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 117 Resp: 25697
Ion Ratio Lower Upper
117 100
119 104.7 73.3 109.9
121 30.7 25.0 37.4

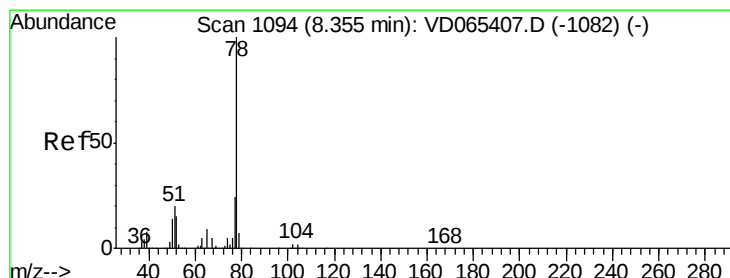
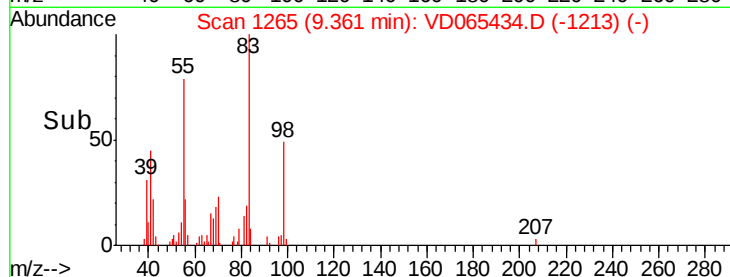
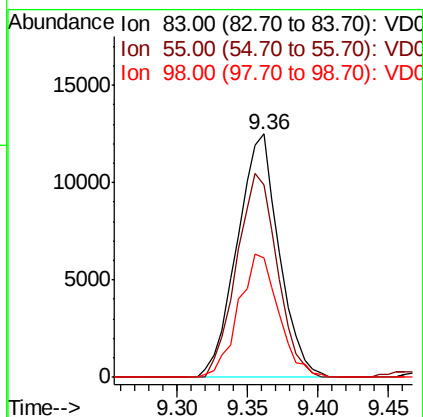
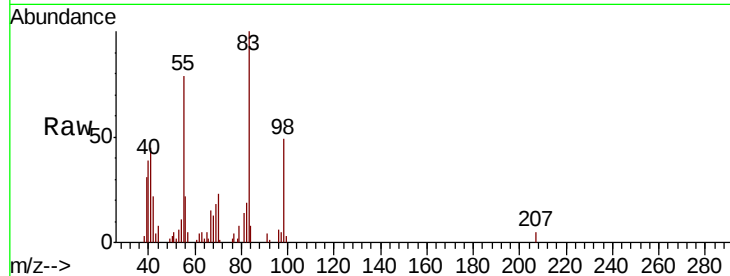




#39
Methvlcvclohexane
Concen: 3.370 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

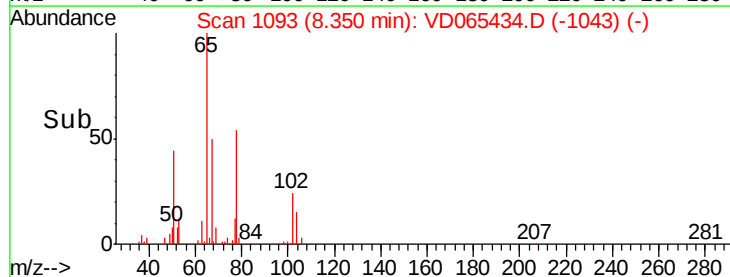
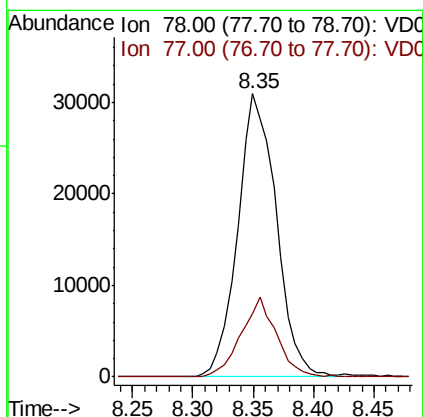
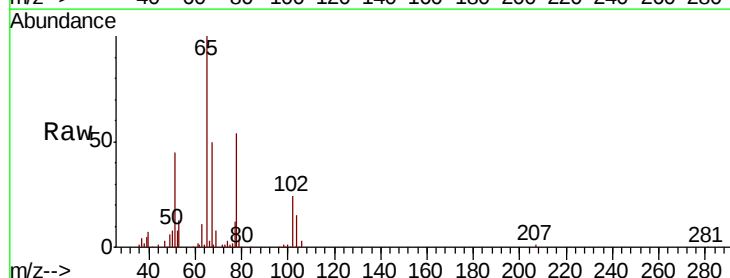
Instrument :
MSVOA_D
ClientSampleId :

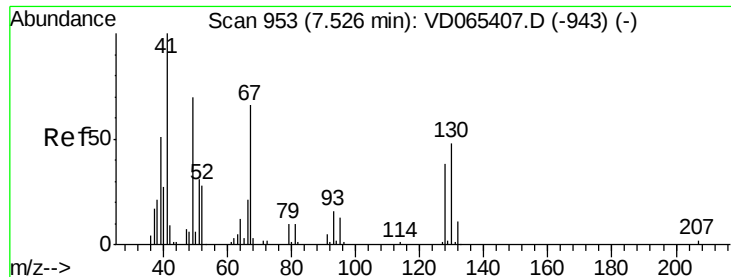
Tot Ion: 83 Resp: 25972
Ion Ratio Lower Upper
83 100
55 79.1 57.1 85.7
98 49.0 37.8 56.8



#40
Benzene
Concen: 3.868 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 78 Resp: 69027
Ion Ratio Lower Upper
78 100
77 22.4 19.4 29.0





#41

Methacrylonitrile

Concen: 3.716 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 4847

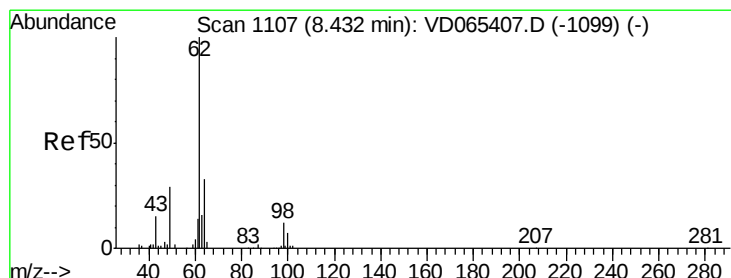
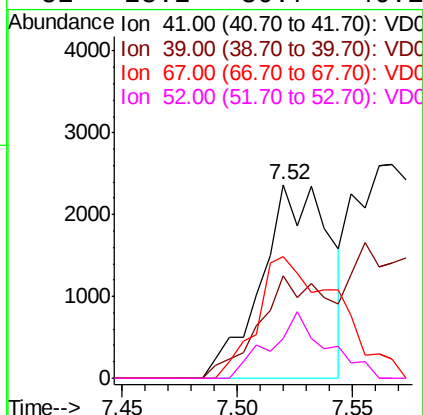
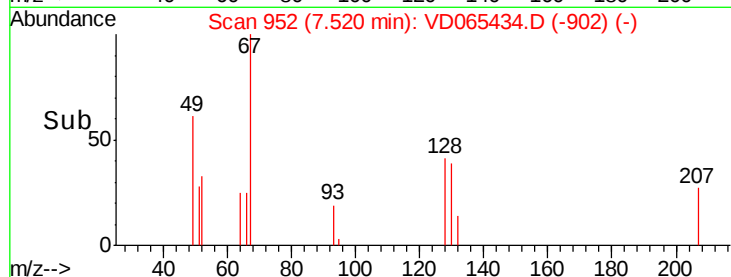
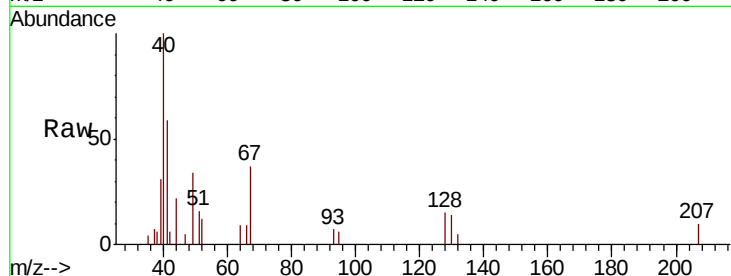
Ion Ratio Lower Upper

41 100

39 54.5 55.0 82.6#

67 74.1 70.3 105.5

52 28.2 30.7 46.1#



#42

1,2-Dichloroethane

Concen: 4.497 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065434.D

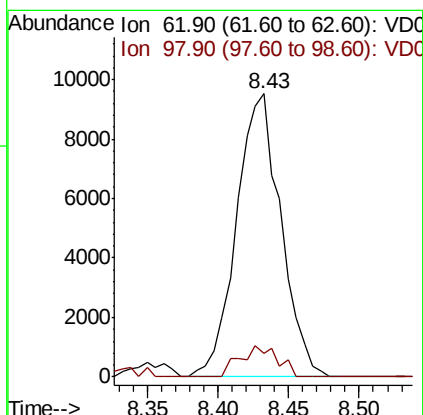
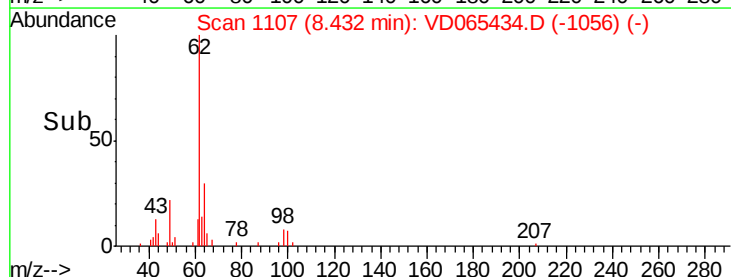
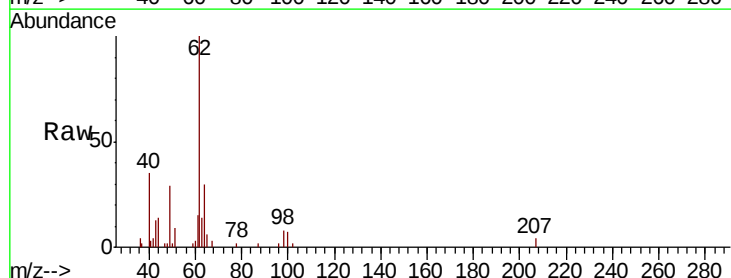
Acq: 05 Mar 2020 16:37

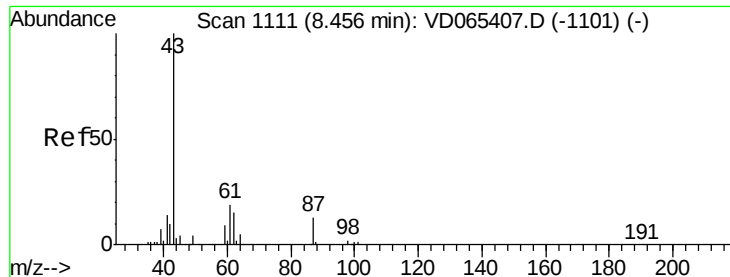
Tgt Ion: 62 Resp: 20951

Ion Ratio Lower Upper

62 100

98 9.3 0.0 21.4





#43

Isopropyl Acetate

Concen: 3.947 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

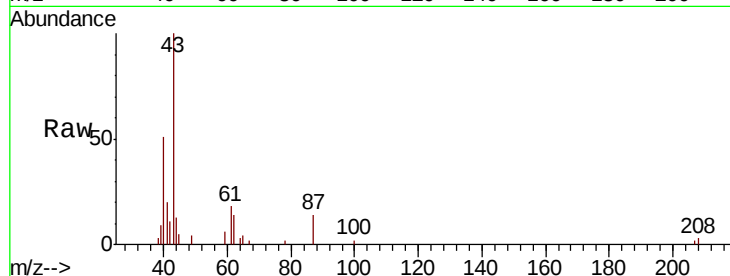
Tot Ion: 43 Resp: 17977

Ion Ratio Lower Upper

43 100

61 31.9 25.0 37.6

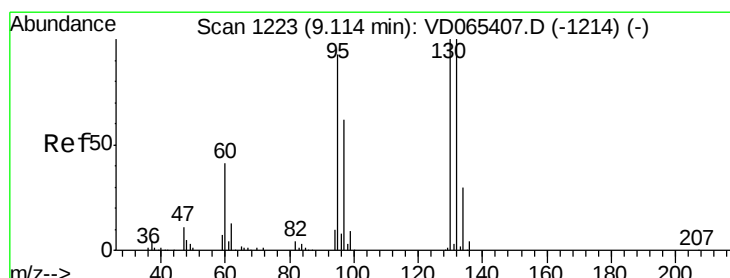
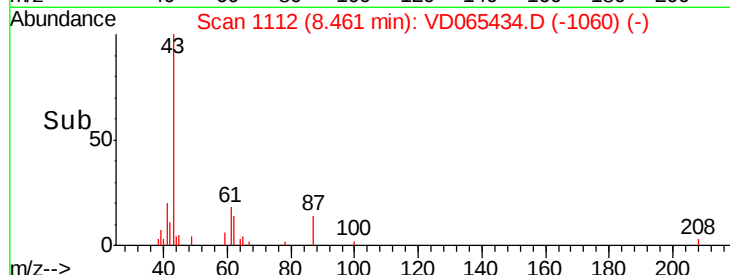
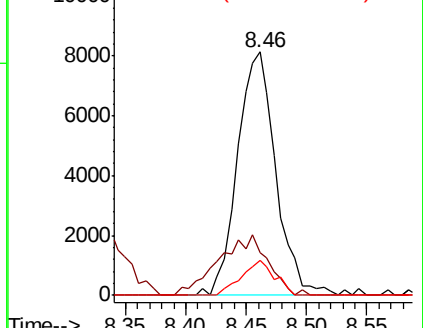
87 12.5 11.0 16.4



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: 3.955 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065434.D

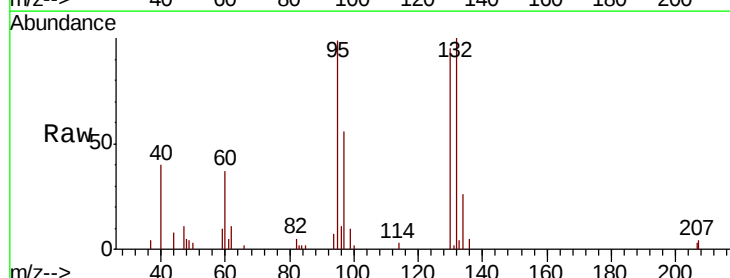
Acq: 05 Mar 2020 16:37

Tgt Ion: 130 Resp: 19932

Ion Ratio Lower Upper

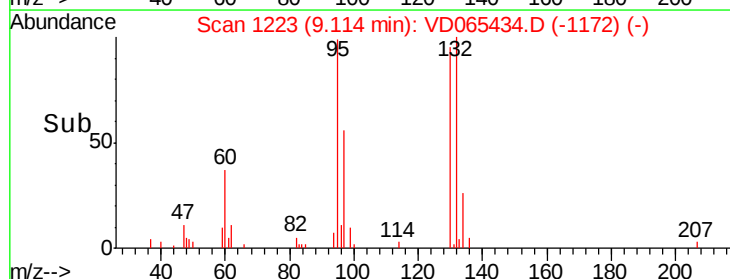
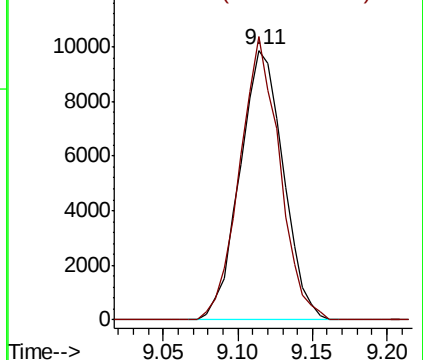
130 100

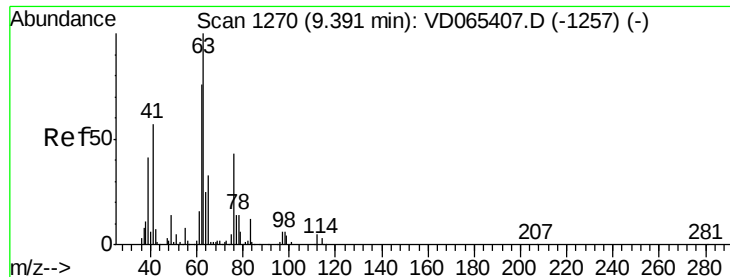
95 104.9 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 3.918 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

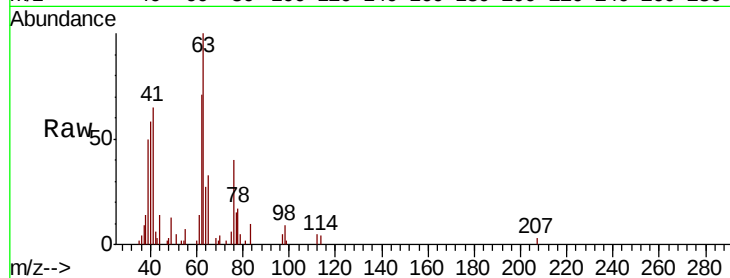
ClientSampleId :

Tot Ion: 63 Resp: 16935

Ion Ratio Lower Upper

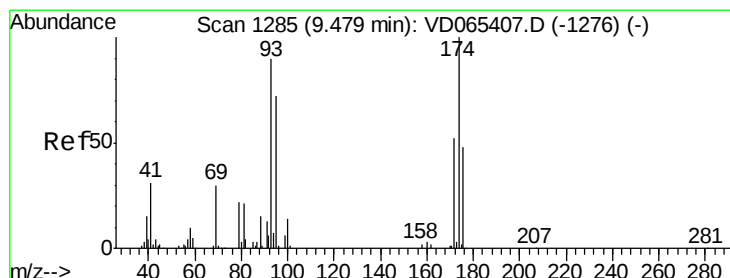
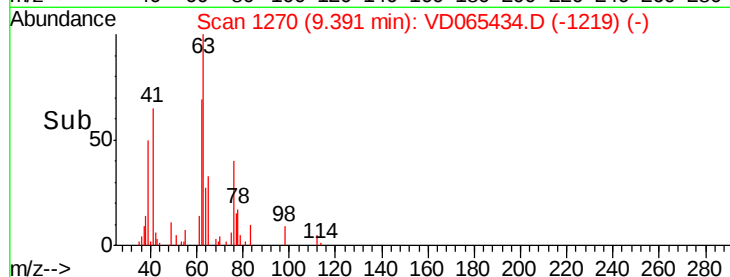
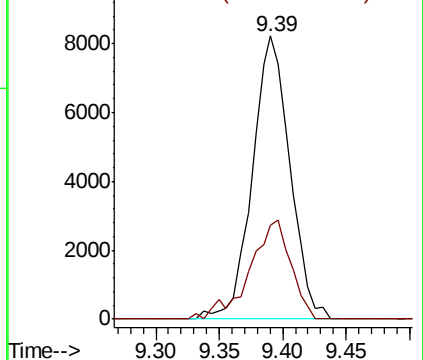
63 100

65 33.4 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.085 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

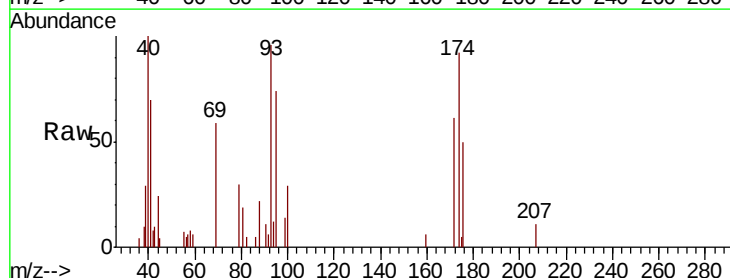
Tgt Ion: 93 Resp: 9159

Ion Ratio Lower Upper

93 100

95 83.2 65.0 97.6

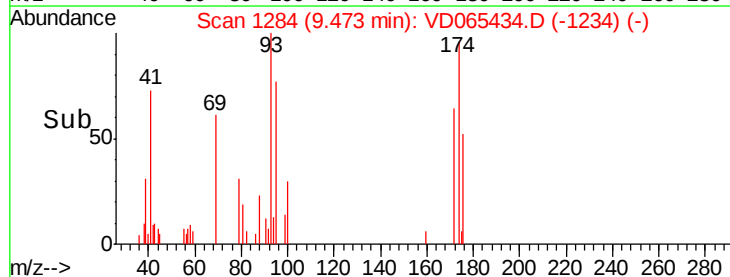
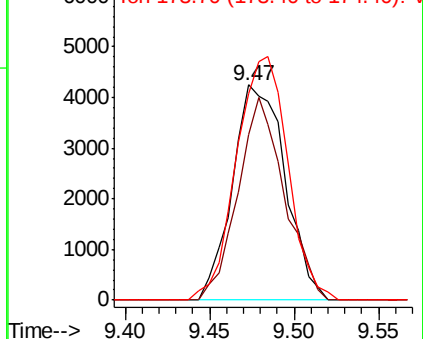
174 110.8 88.3 132.5

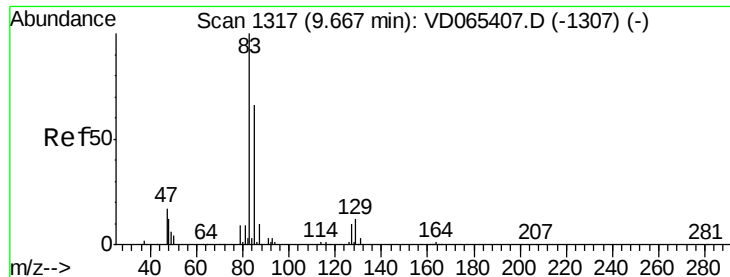


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

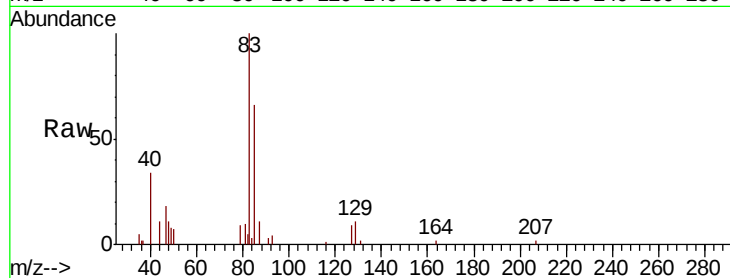




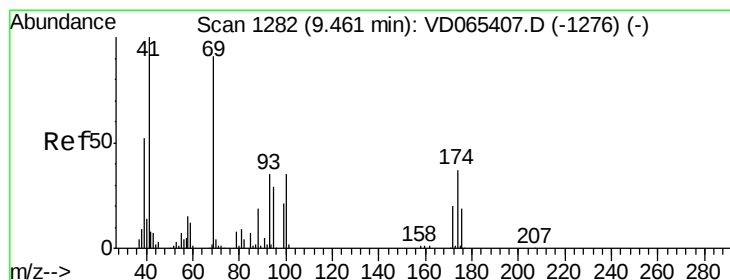
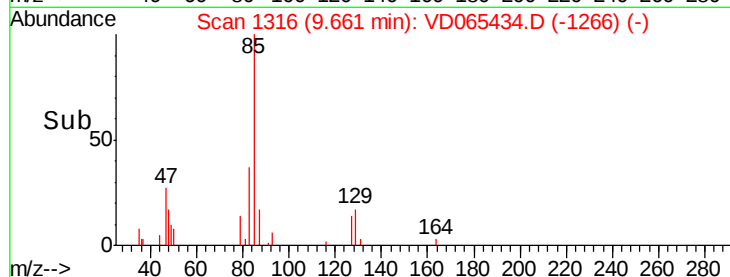
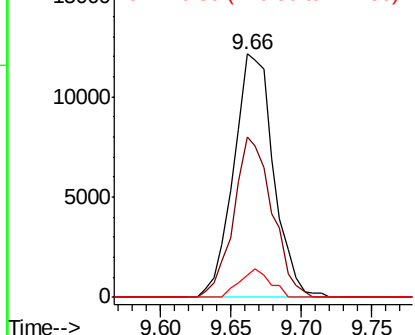
#47
Bromodichloromethane
Concen: 4.115 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	23999
Ion Ratio	100		
85	65.8	52.8	79.2
127	9.2	8.0	12.0

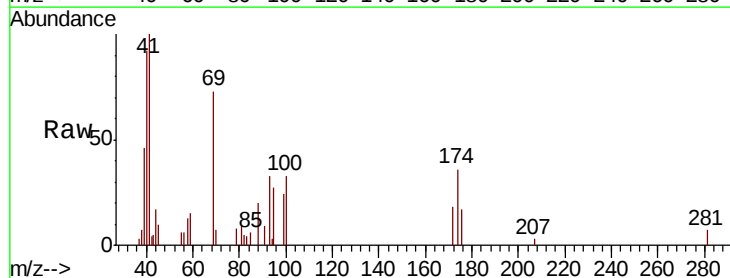


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

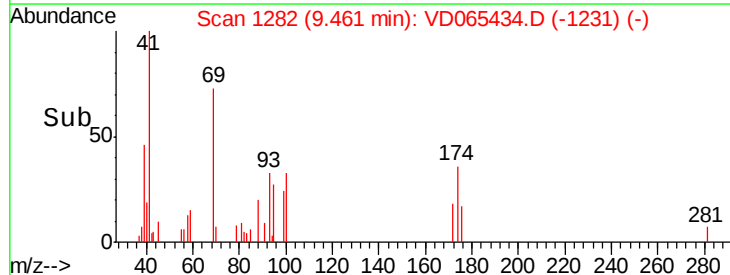
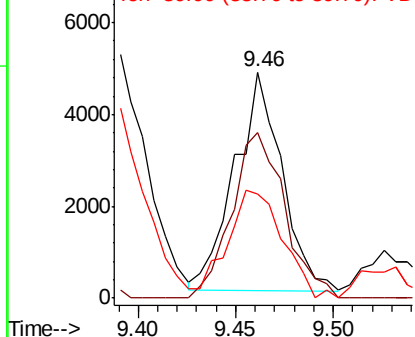


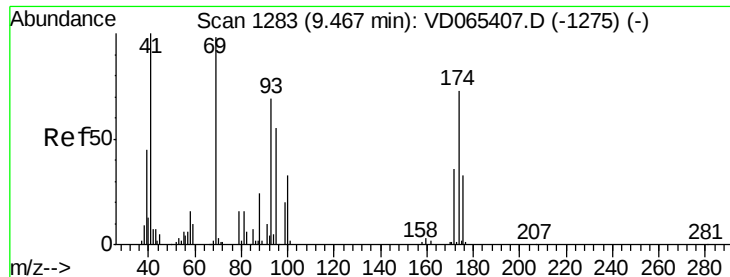
#48
Methyl methacrylate
Concen: 3.715 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion	41	Resp	7959
Ion Ratio	100		
69	85.5	72.5	108.7
39	57.4	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

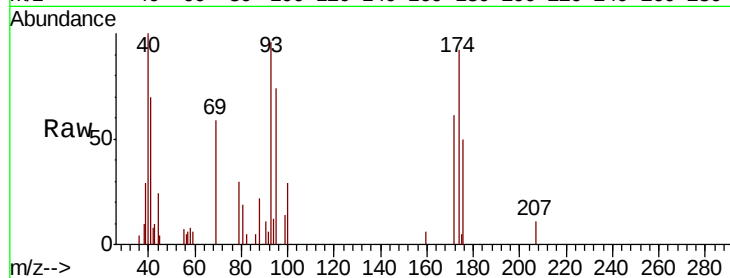




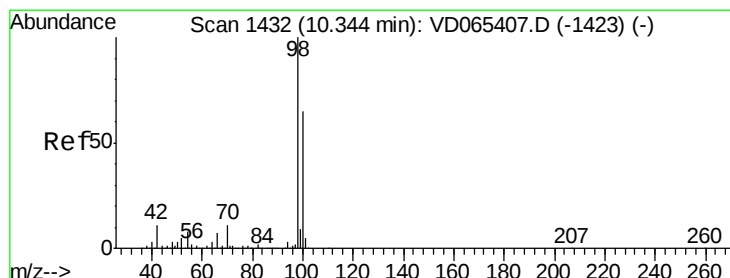
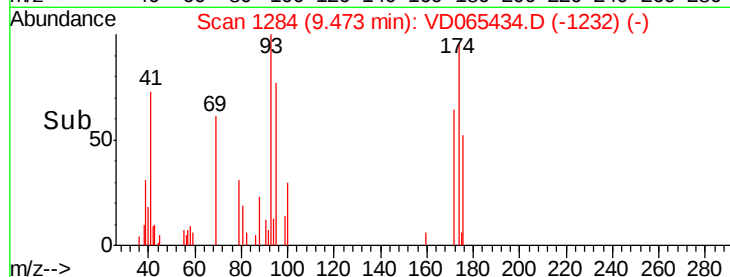
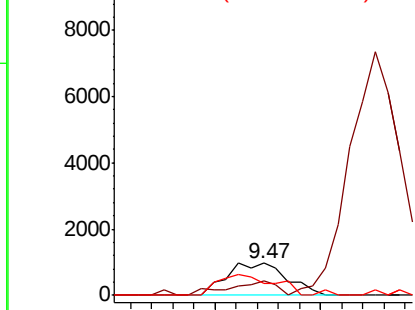
#49
1,4-Dioxane
Concen: 74.985 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 1923
Ion Ratio Lower Upper
88 100
43 35.0 24.5 36.7
58 59.3 54.5 81.7

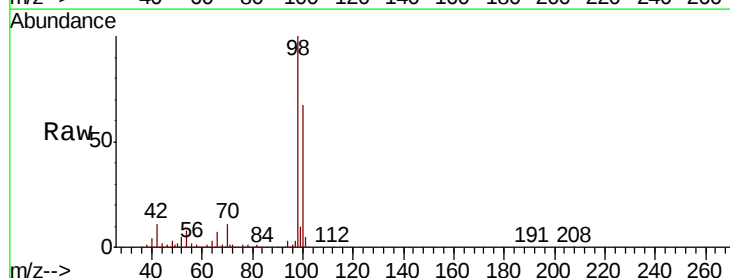


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

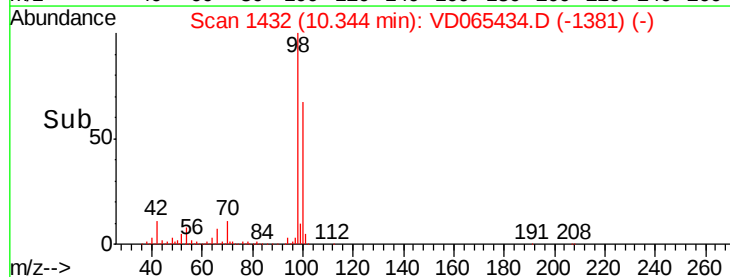
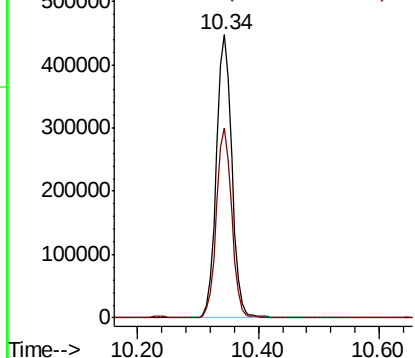


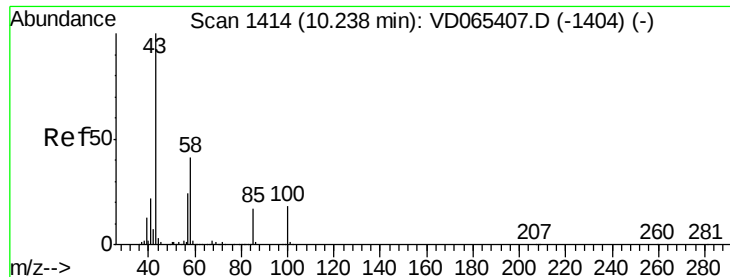
#50
Toluene-d8
Concen: 49.832 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 98 Resp: 787098
Ion Ratio Lower Upper
98 100
100 66.1 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: 17.254 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

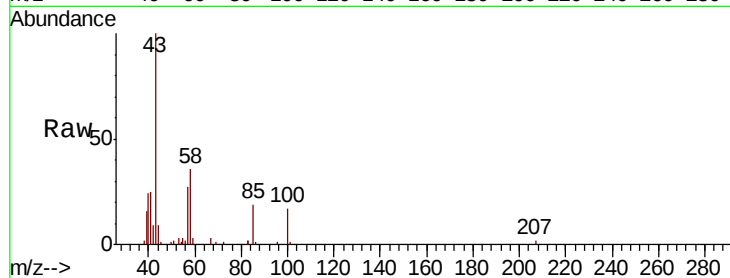
ClientSampled :

Tot Ion: 43 Resp: 39545

Ion Ratio Lower Upper

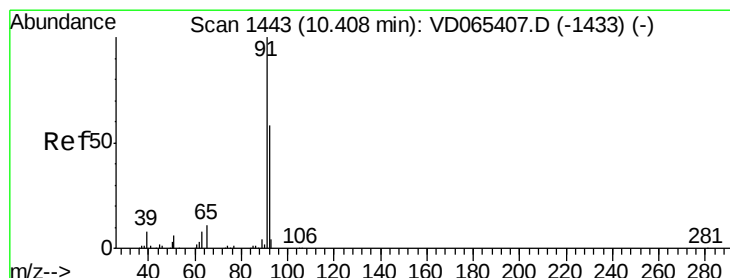
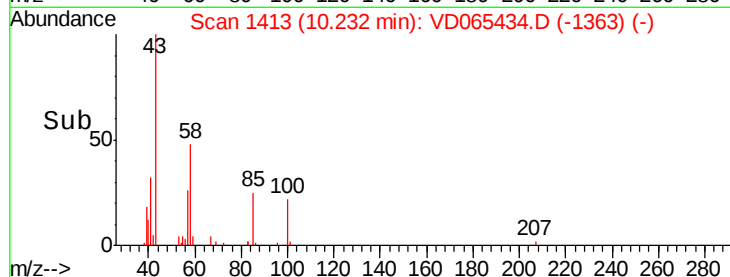
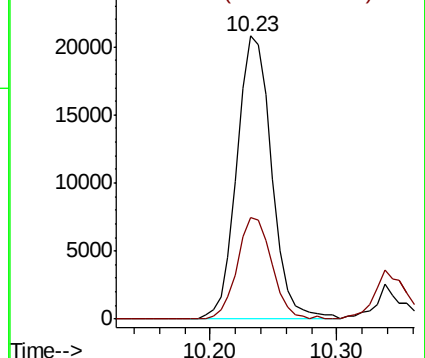
43 100

58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 3.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065434.D

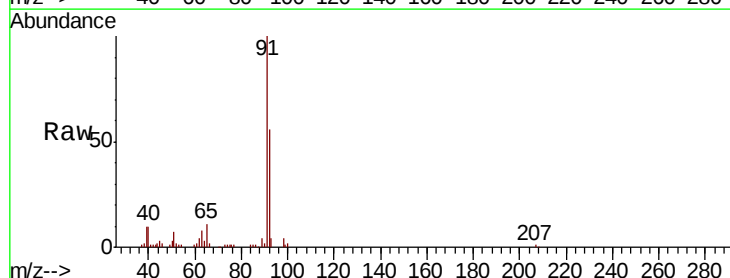
Acq: 05 Mar 2020 16:37

Tgt Ion: 92 Resp: 44563

Ion Ratio Lower Upper

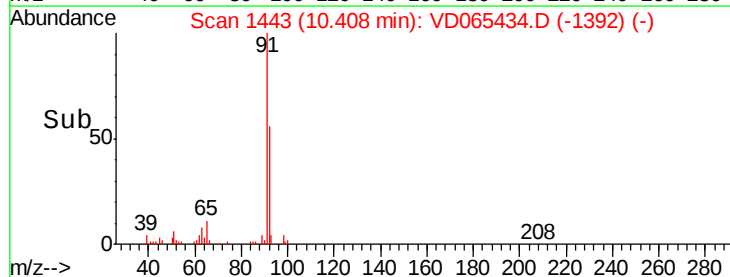
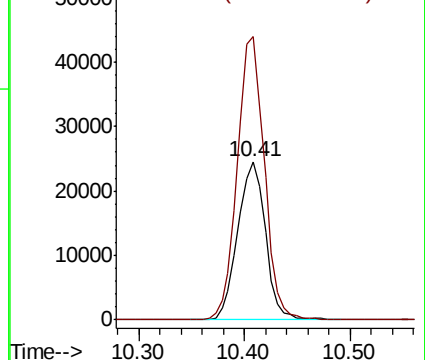
92 100

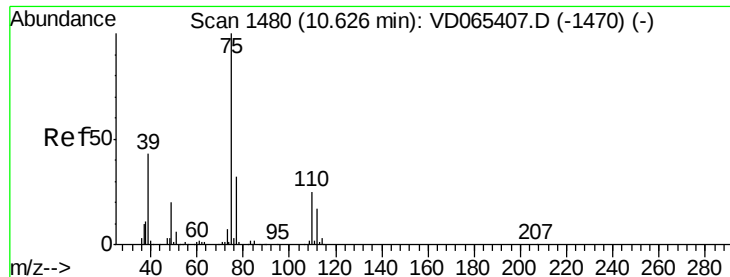
91 174.7 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 3.831 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

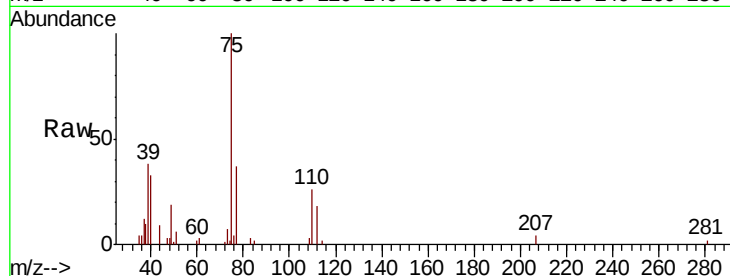
ClientSampleId :

Tot Ion: 75 Resp: 20883

Ion Ratio Lower Upper

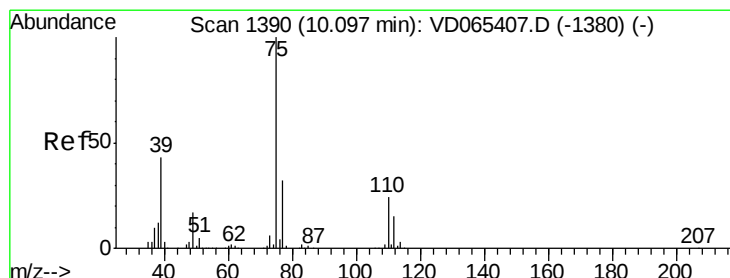
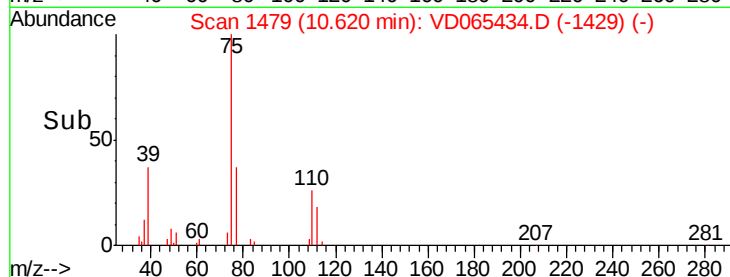
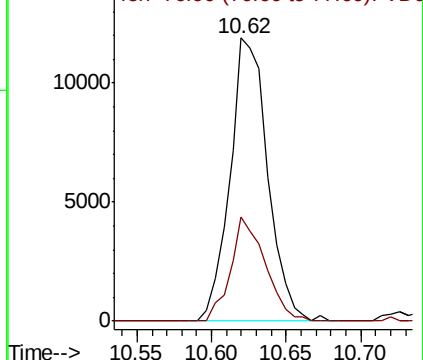
75 100

77 37.0 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: 3.712 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

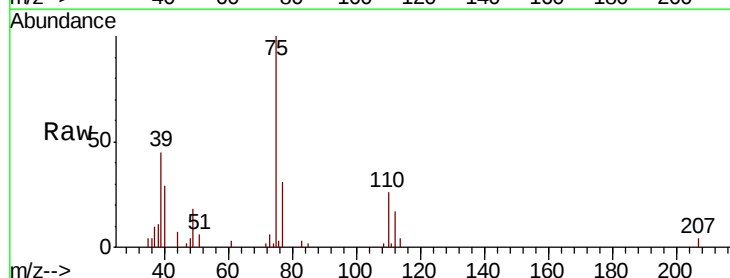
Tgt Ion: 75 Resp: 24493

Ion Ratio Lower Upper

75 100

77 30.5 25.3 37.9

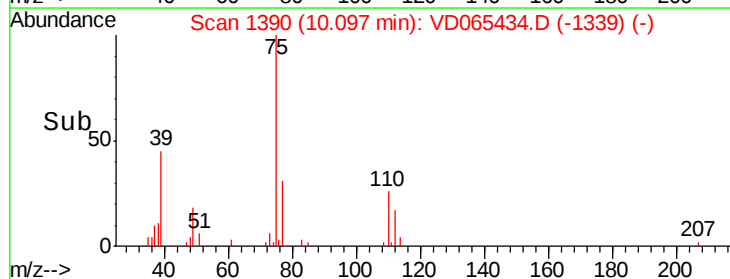
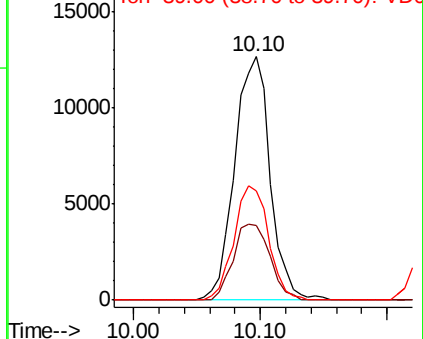
39 44.9 34.6 52.0

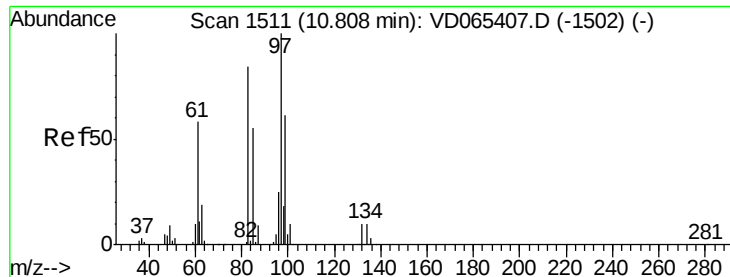


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

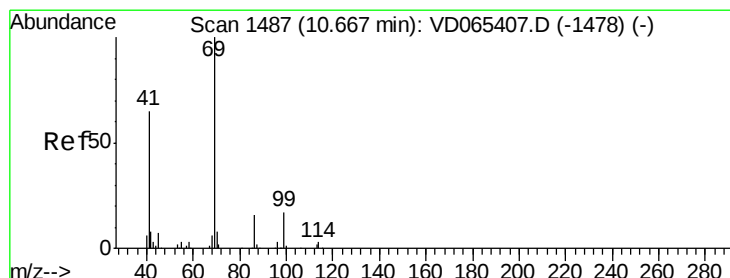
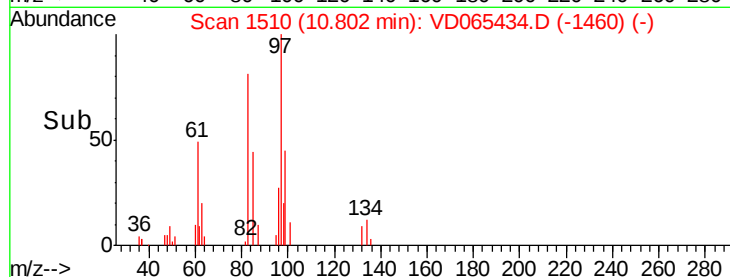
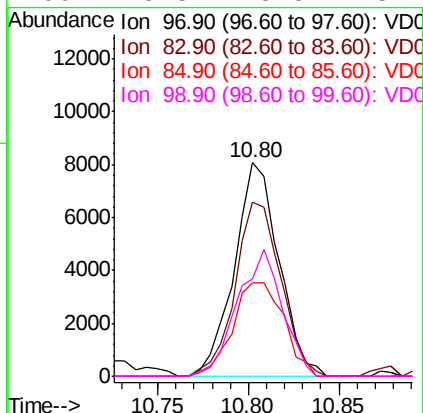
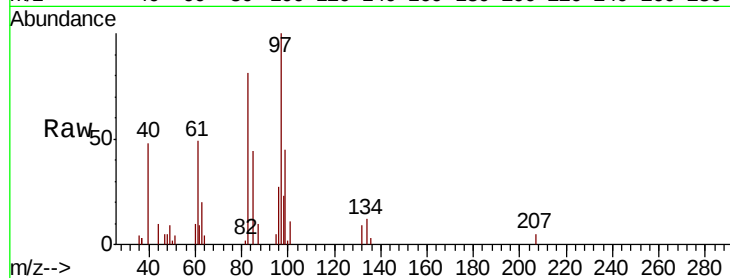




#55
 1,1,2-Trichloroethane
 Concen: 4.343 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

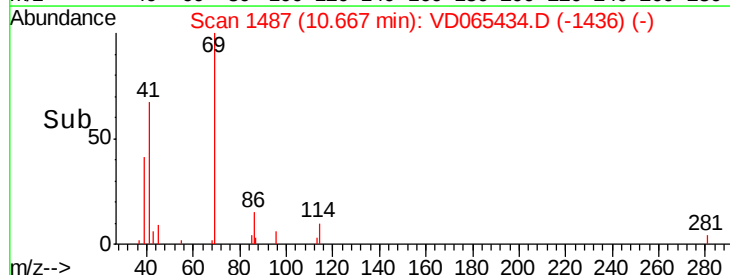
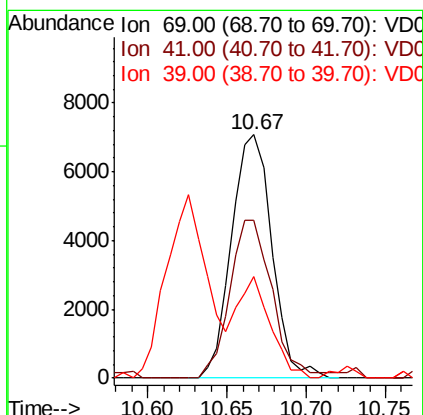
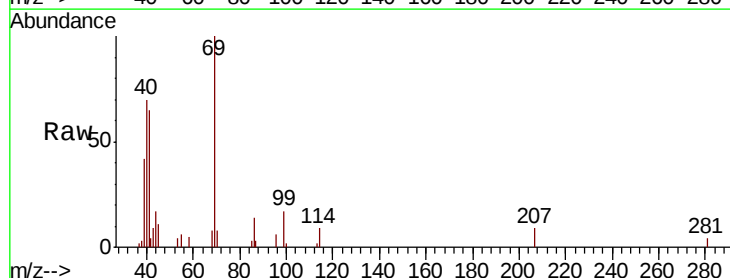
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.3	67.4	101.0
85	43.7	43.8	65.8#
99	45.5	48.8	73.2#



#56
 Ethyl methacrylate
 Concen: 3.498 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.0	79.6
39	34.4	26.0	39.0





#57

1,3-Dichloropropane

Concen: 4.003 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

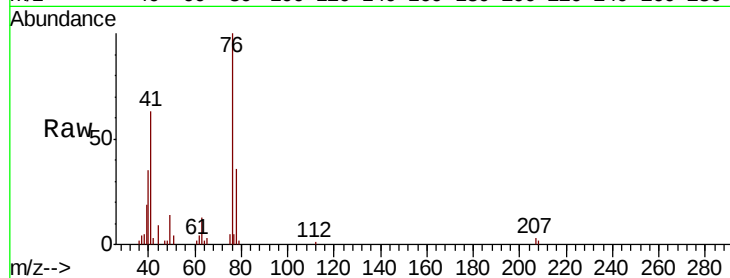
ClientSampleId :

Tot Ion: 76 Resp: 21506

Ion Ratio Lower Upper

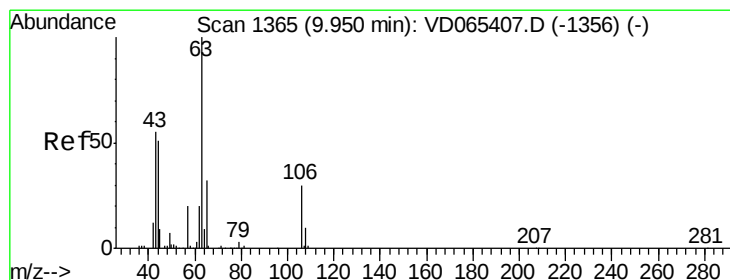
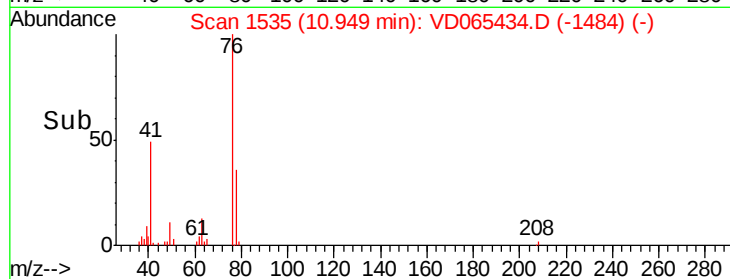
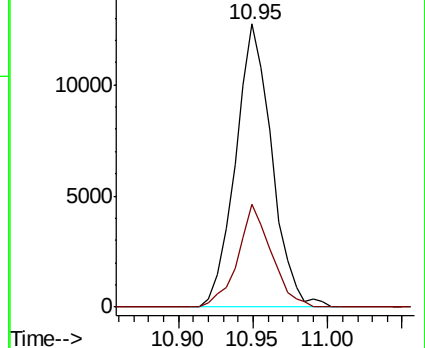
76 100

78 33.5 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: 16.095 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065434.D

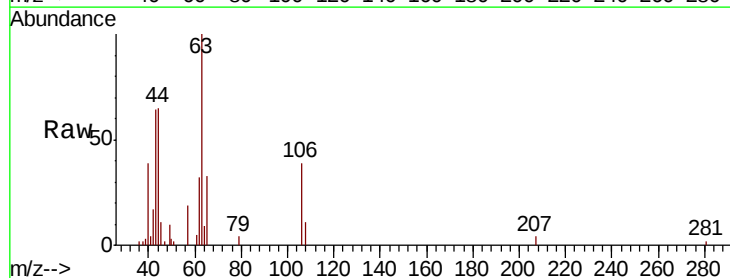
Acq: 05 Mar 2020 16:37

Tgt Ion: 63 Resp: 18581

Ion Ratio Lower Upper

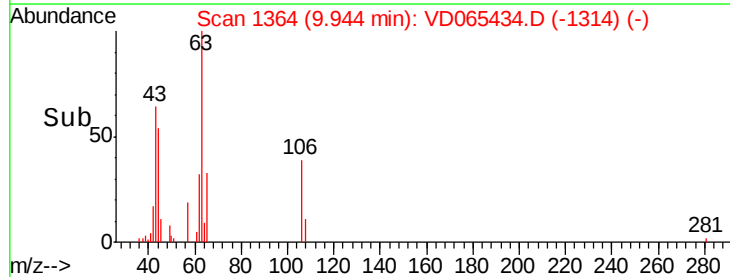
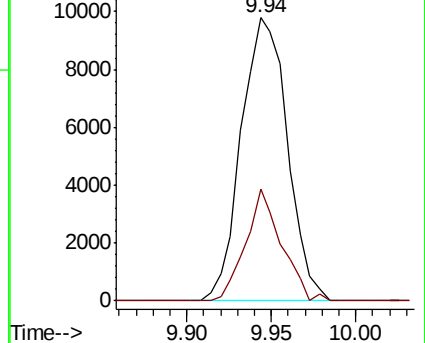
63 100

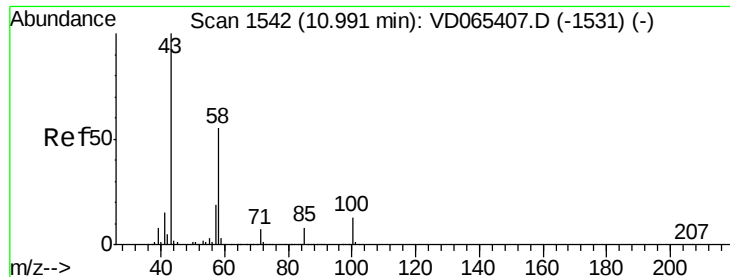
106 30.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

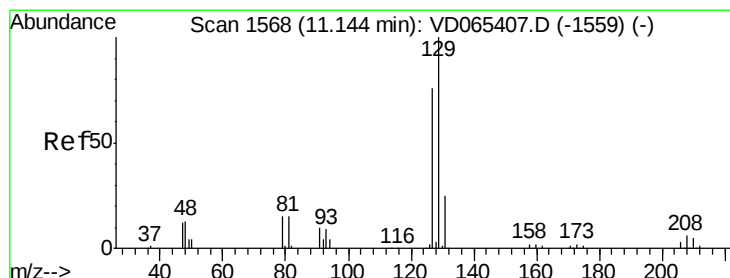
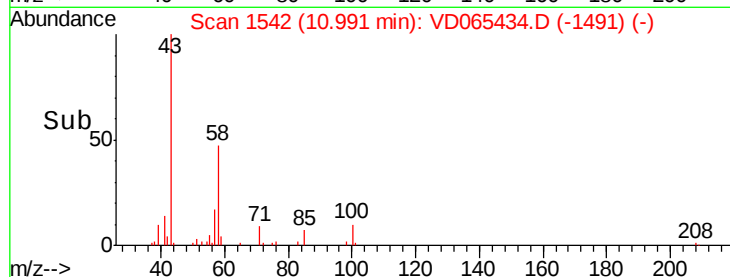
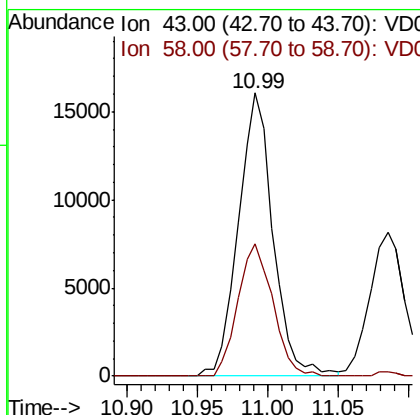
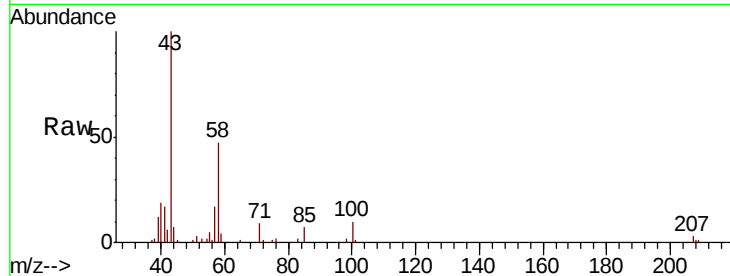




#59
2-Hexanone
Concen: 17.346 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

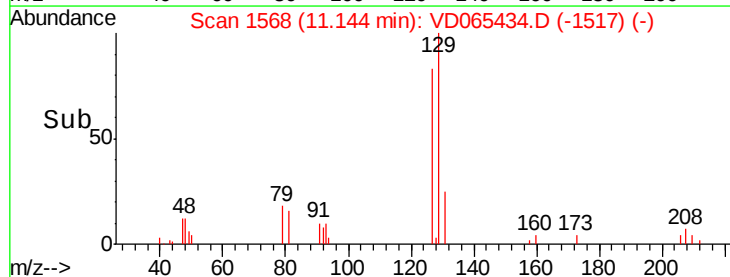
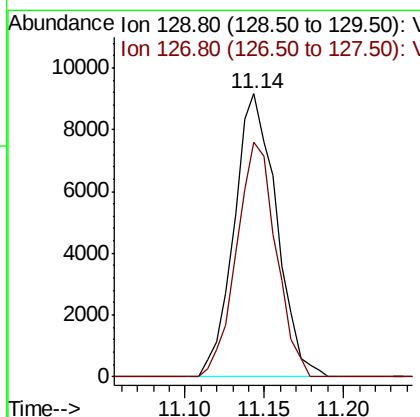
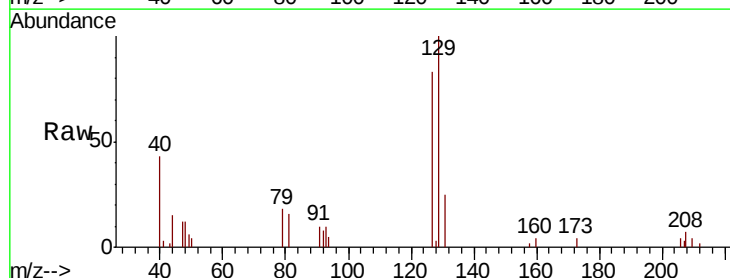
Instrument :
MSVOA_D
ClientSampleId :

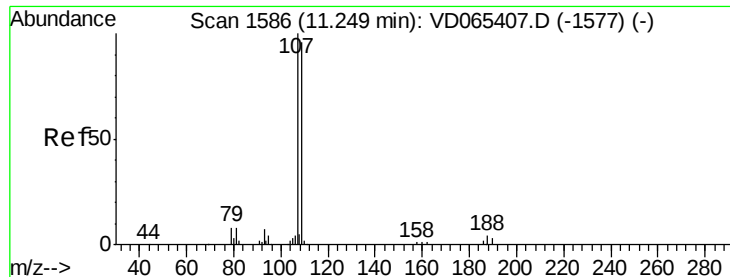
Tot Ion: 43 Resp: 27521
Ion Ratio Lower Upper
43 100
58 47.1 27.4 82.2



#60
Dibromochloromethane
Concen: 4.176 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 129 Resp: 16996
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

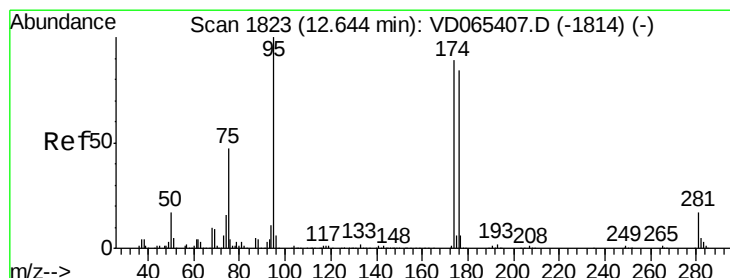
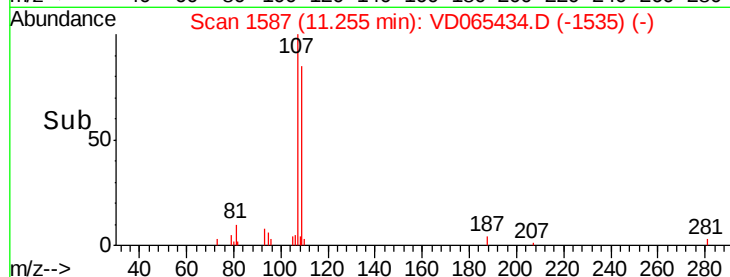
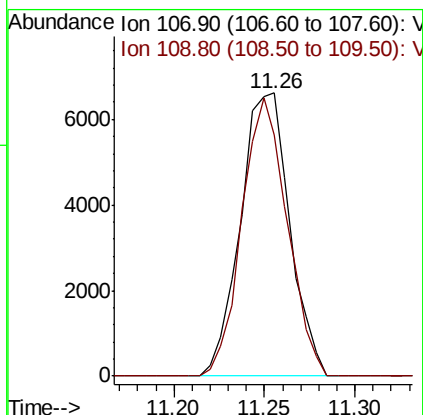
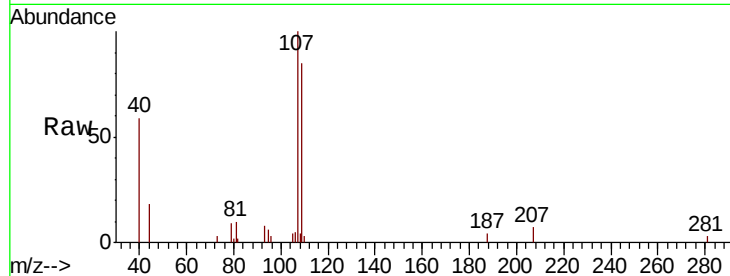




#61
 1,2-Dibromoethane
 Concen: 4.129 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

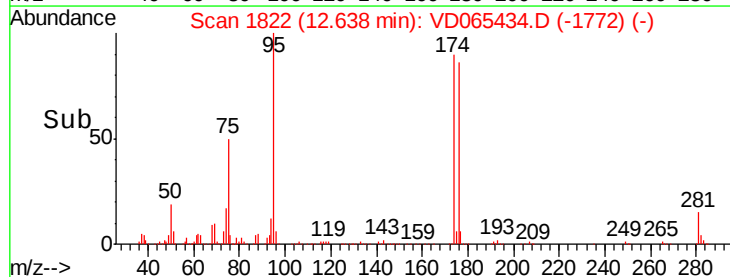
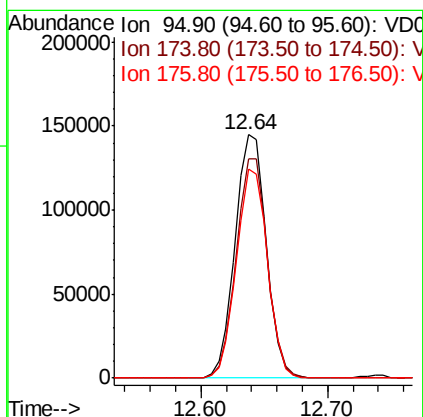
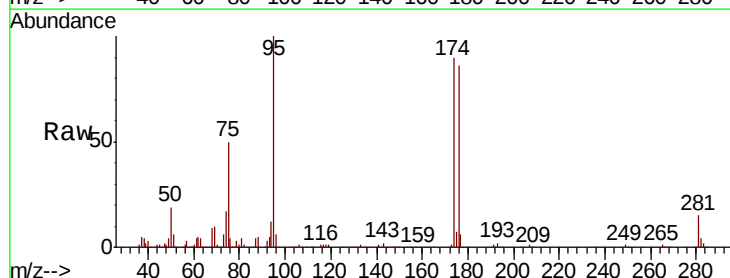
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 12507
 Ion Ratio Lower Upper
 107 100
 109 90.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.458 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion: 95 Resp: 246035
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 176.8
 176 85.9 0.0 171.4

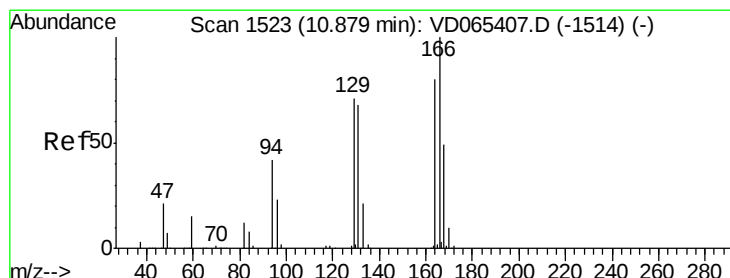
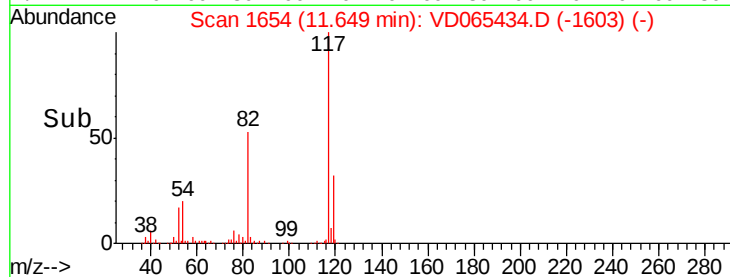
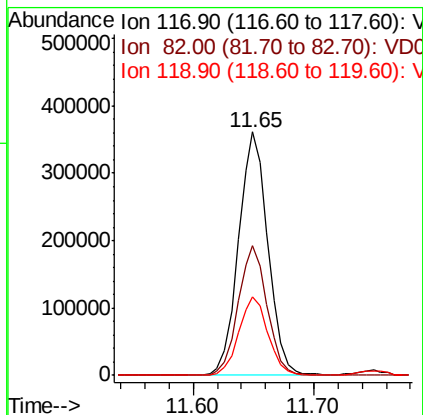
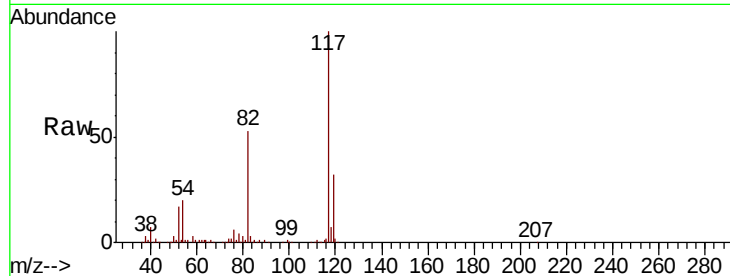




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

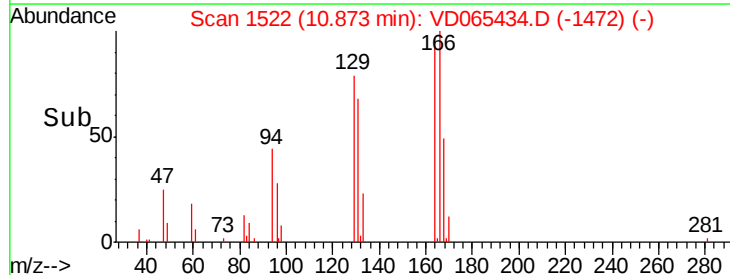
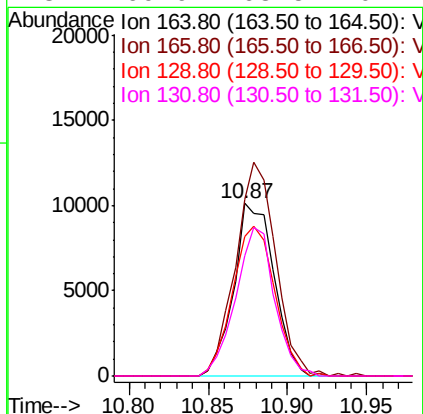
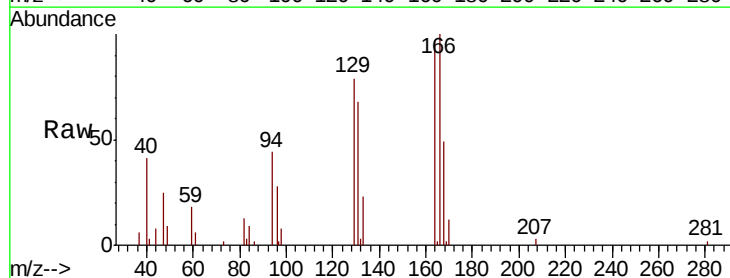
Instrument :
MSVOA_D
ClientSampleId :

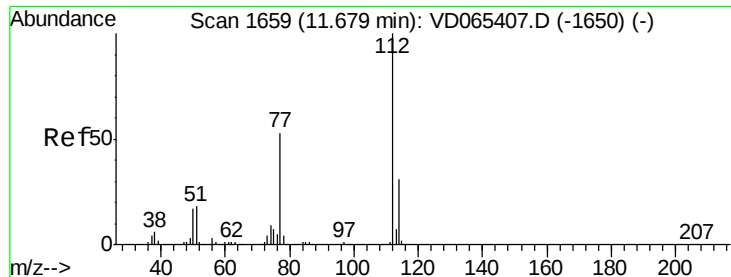
Tot Ion:117 Resp: 612055
Ion Ratio Lower Upper
117 100
82 53.4 40.6 60.8
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 4.087 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion:164 Resp: 17926
Ion Ratio Lower Upper
164 100
166 102.7 100.5 150.7
129 81.2 71.5 107.3
131 69.9 68.5 102.7

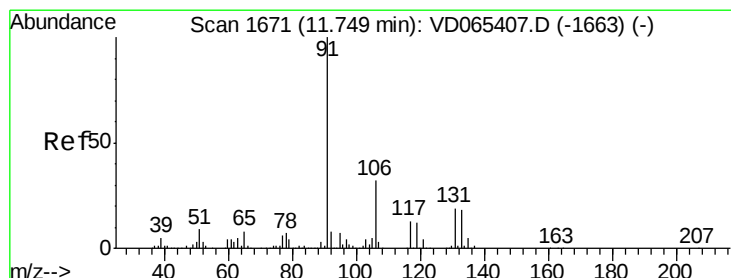
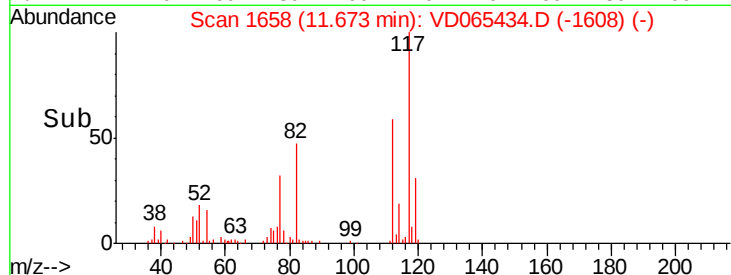
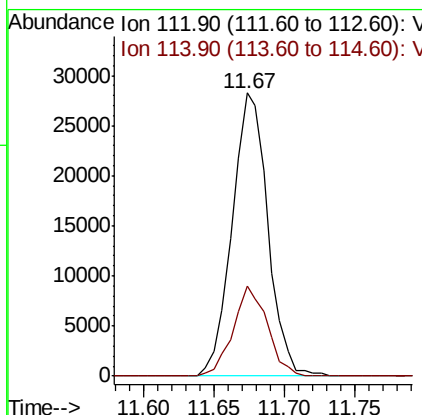
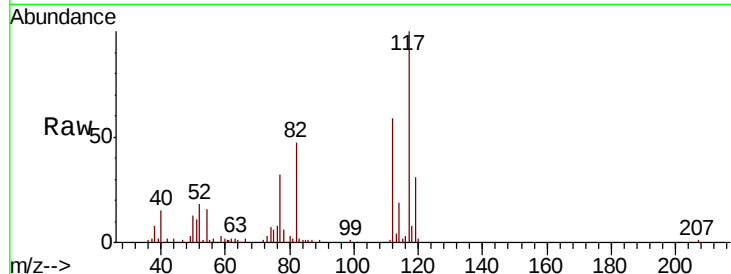




#65
Chlorobenzene
Concen: 4.118 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

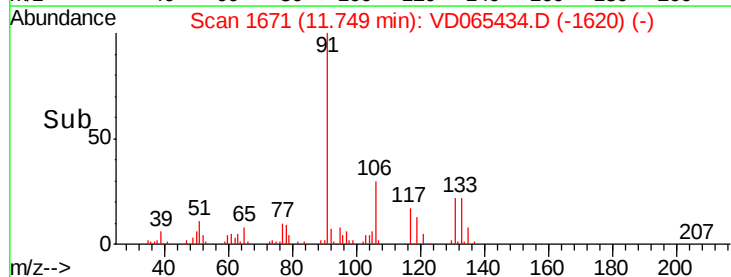
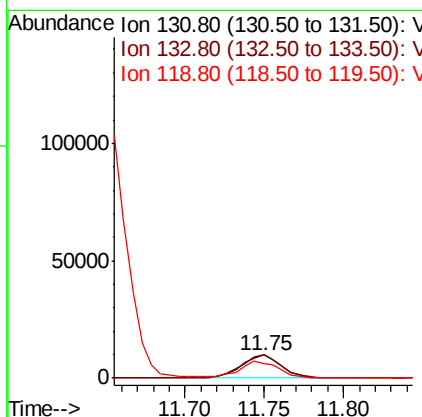
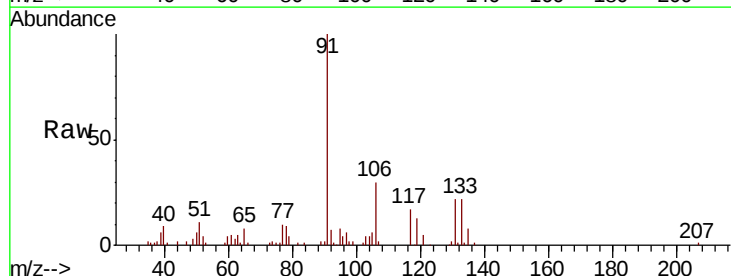
Instrument :
MSVOA_D
ClientSampleId :

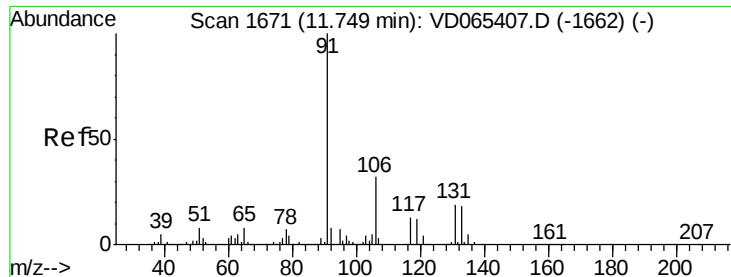
Tot Ion:112 Resp: 49873
Ion Ratio Lower Upper
112 100
114 32.0 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 3.903 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion:131 Resp: 17215
Ion Ratio Lower Upper
131 100
133 99.8 49.2 147.6
119 71.8 33.3 99.8

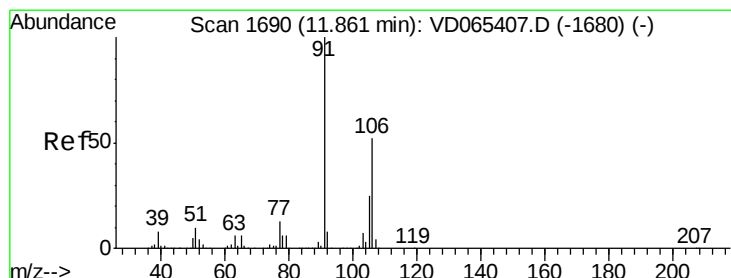
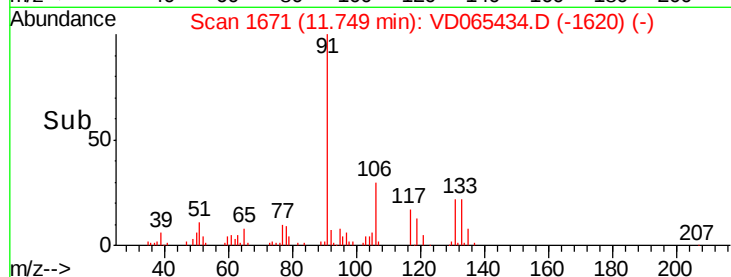
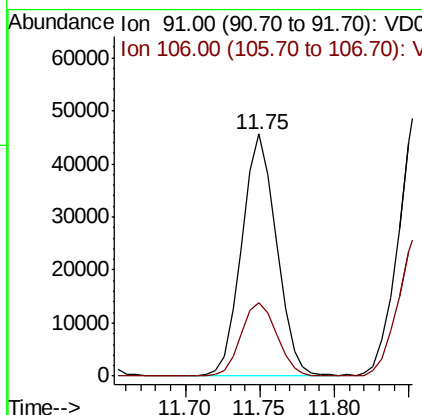
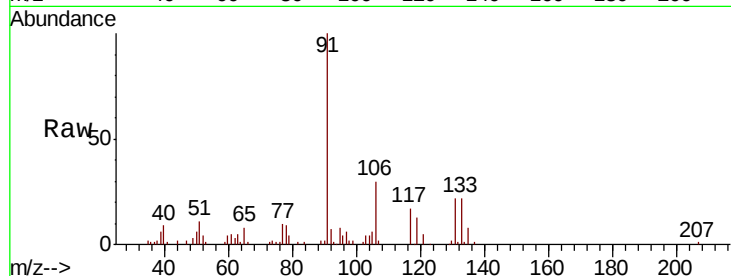




#67
Ethyl Benzene
Concen: 3.522 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

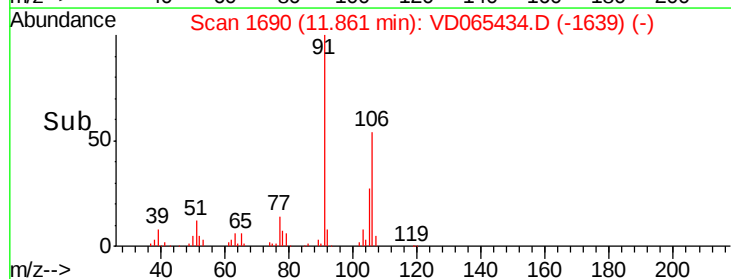
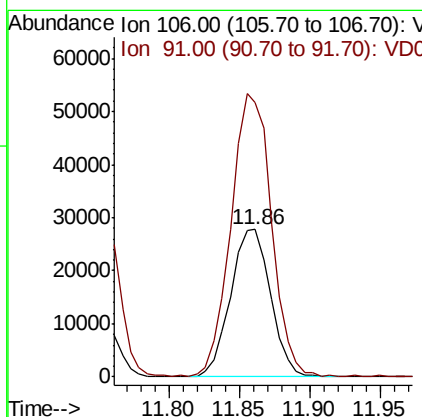
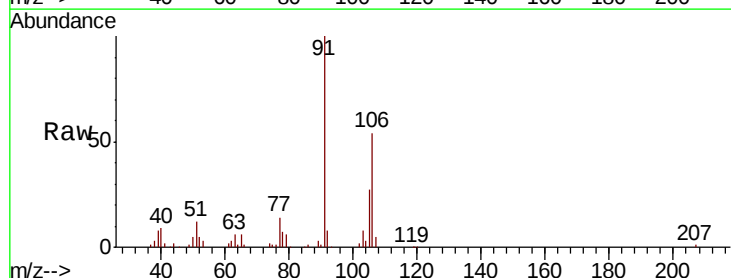
Instrument :
MSVOA_D
ClientSampled :

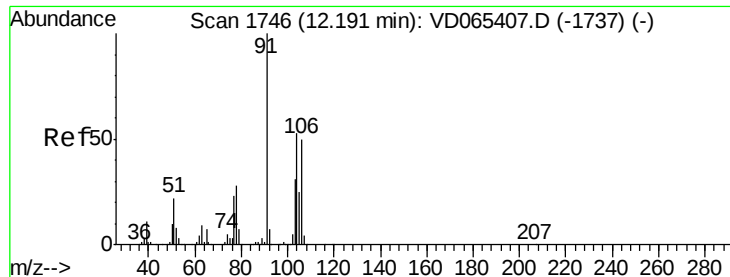
Tot Ion: 91 Resp: 73715
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8



#68
m/p-Xylenes
Concen: 6.807 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 106 Resp: 54931
Ion Ratio Lower Upper
106 100
91 195.0 155.9 233.9

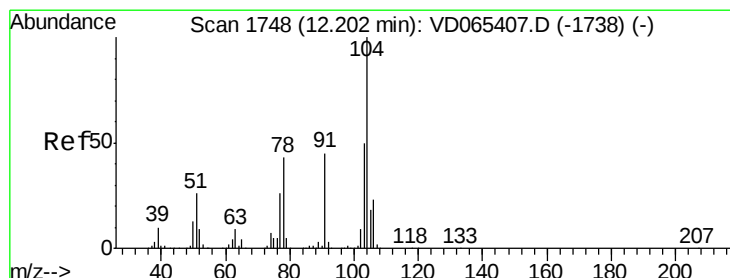
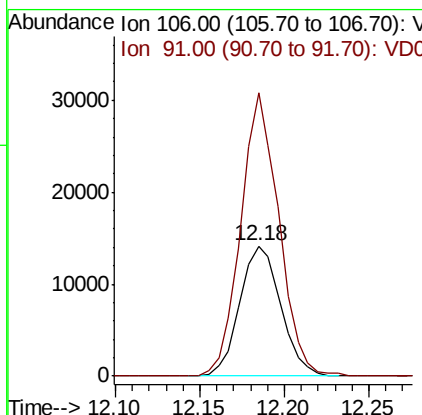
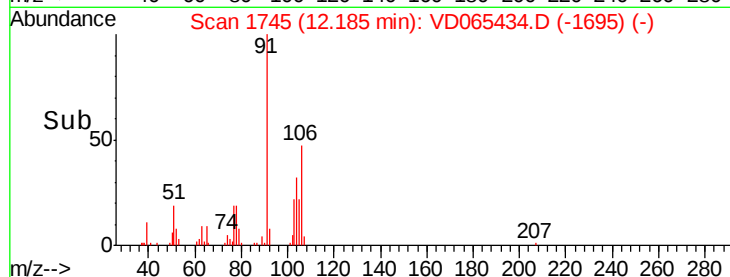
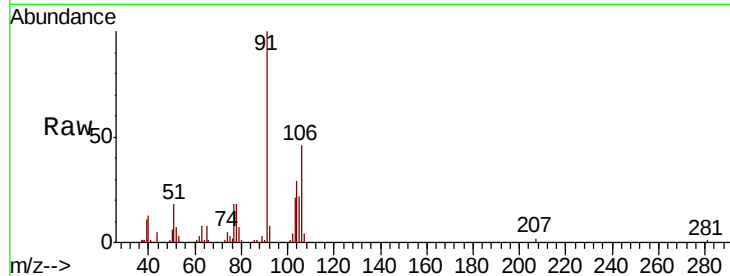




#69
o-Xylene
Concen: 3.367 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

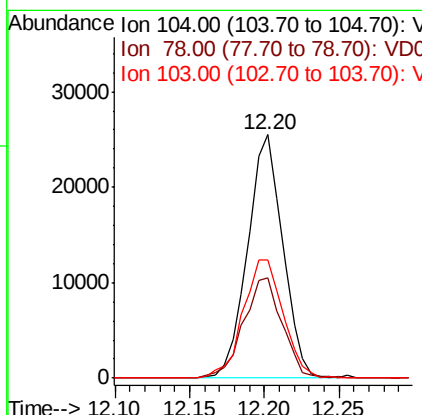
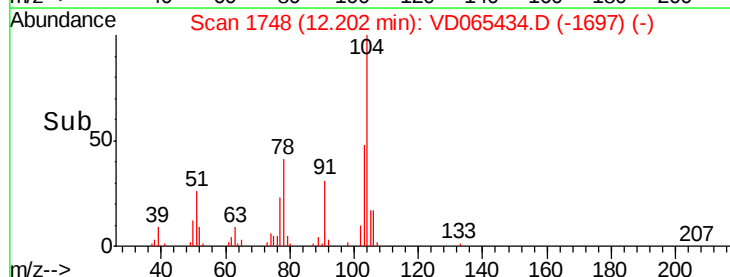
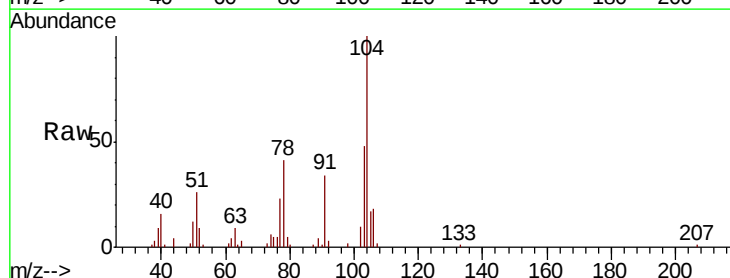
Instrument :
MSVOA_D
ClientSampled :

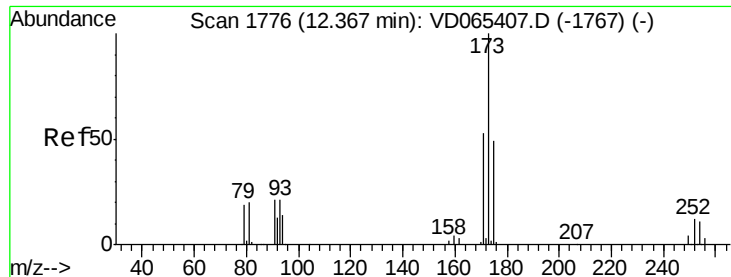
Tot Ion:106 Resp: 23899
Ion Ratio Lower Upper
106 100
91 202.5 103.5 310.3



#70
Styrene
Concen: 3.331 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion:104 Resp: 41618
Ion Ratio Lower Upper
104 100
78 45.5 37.7 56.5
103 55.1 43.6 65.4





#71

Bromoform

Concen: 3.924 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

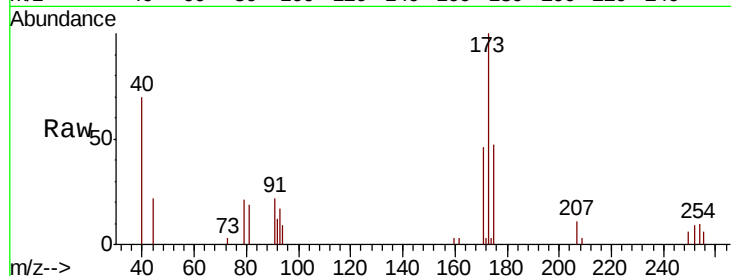
Tot Ion:173 Resp: 9722

Ion Ratio Lower Upper

173 100

175 49.5 24.3 73.0

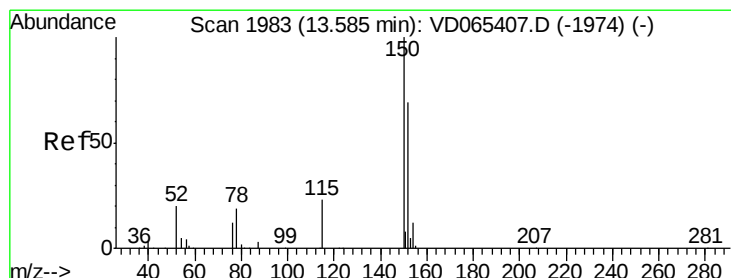
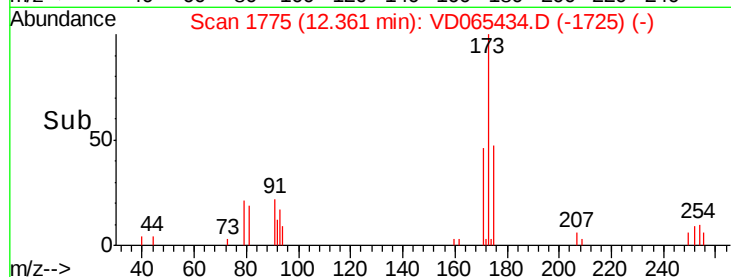
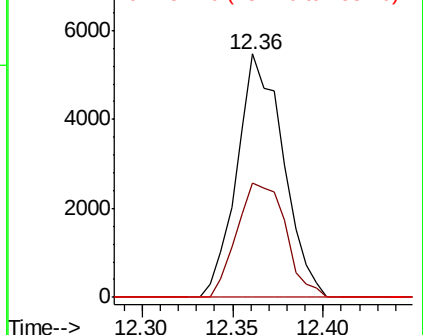
254 0.0 0.1 0.1#



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: VD065434.D

Acq: 05 Mar 2020 16:37

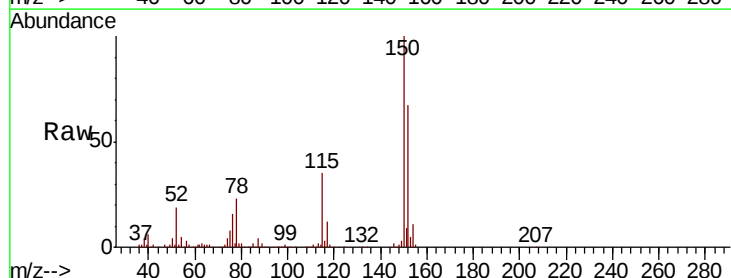
Tgt Ion:152 Resp: 300625

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

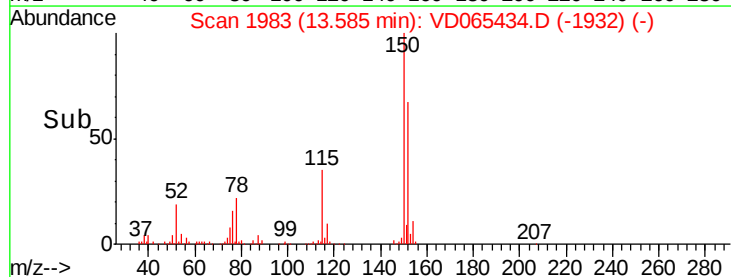
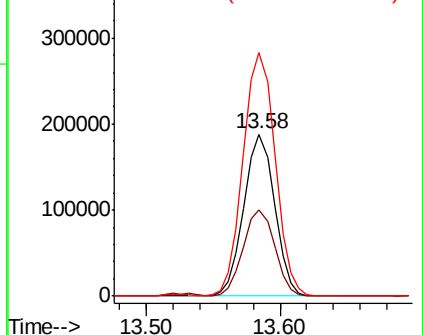
150 156.5 0.0 345.0



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: 3.235 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

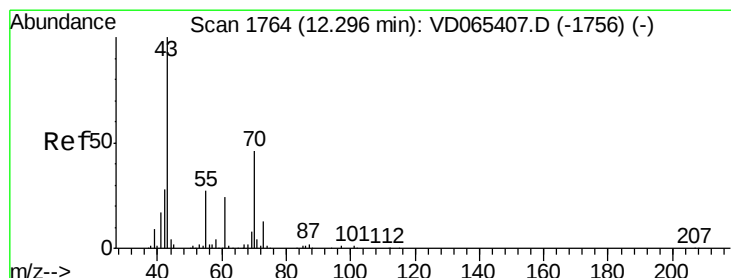
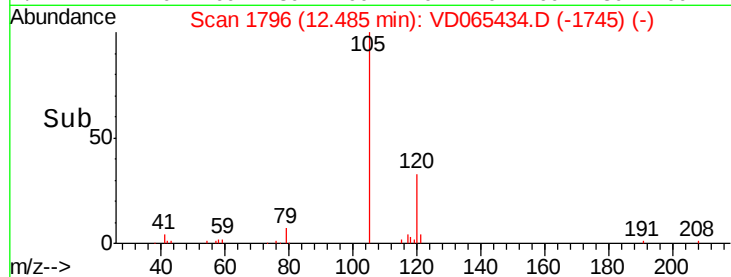
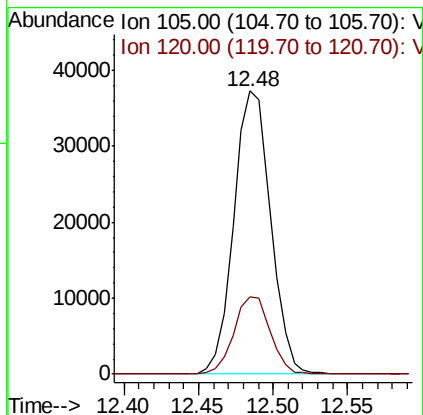
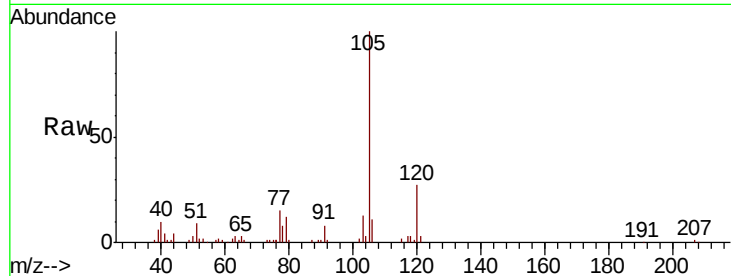
ClientSampleId :

Tot Ion:105 Resp: 63958

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 3.199 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Tgt Ion: 43 Resp: 12948

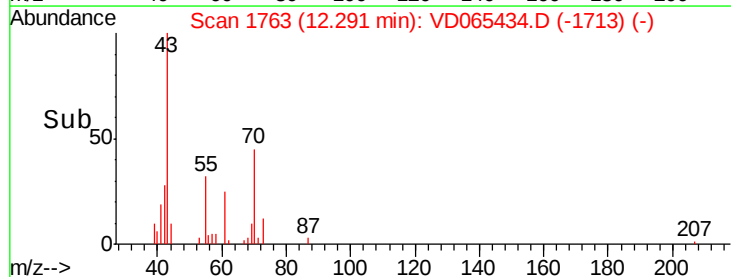
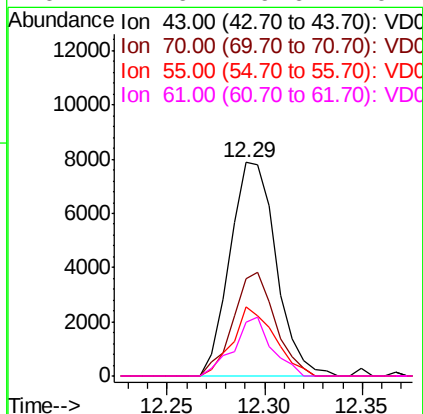
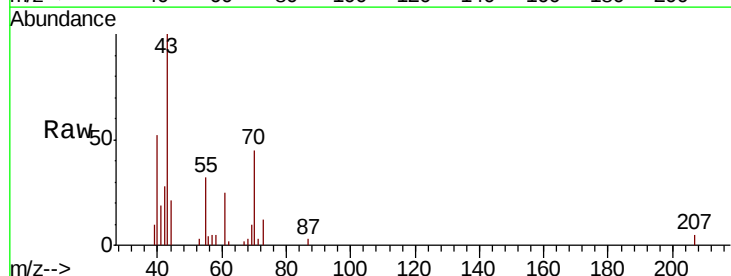
Ion Ratio Lower Upper

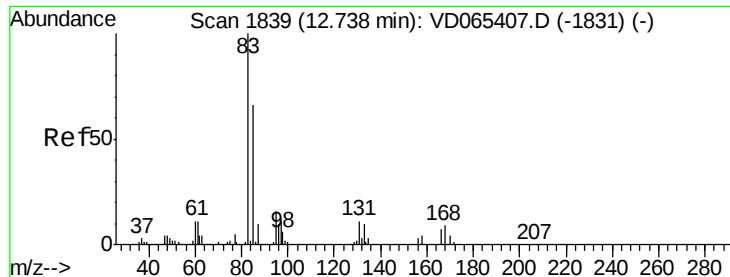
43 100

70 44.0 36.1 54.1

55 29.2 21.6 32.4

61 22.6 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.151 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

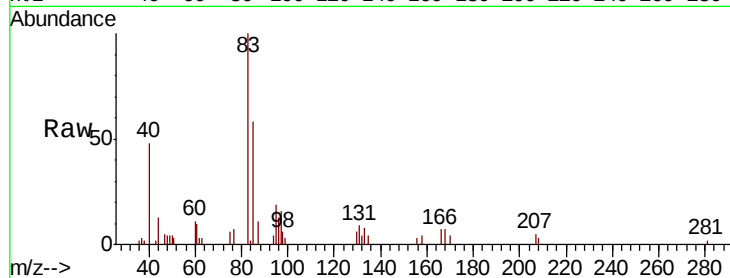
Tot Ion: 83 Resp: 14428

Ion Ratio Lower Upper

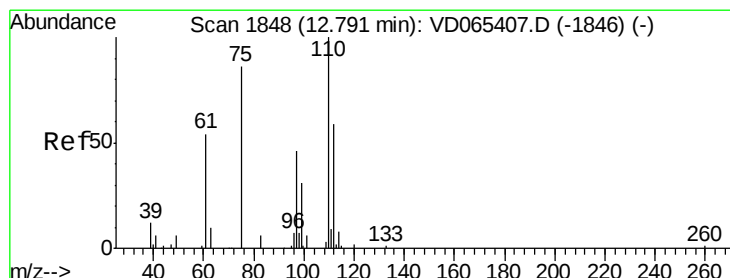
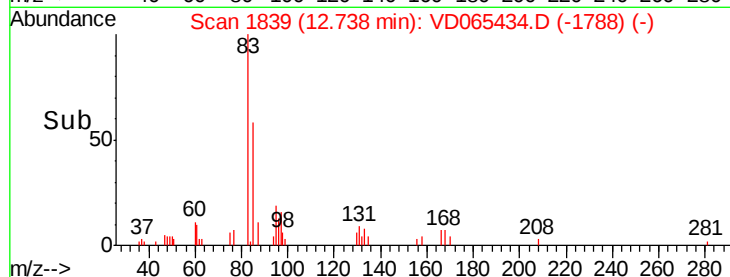
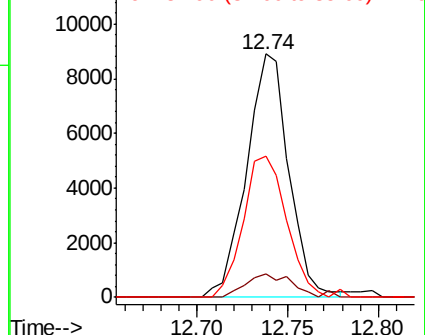
83 100

131 10.8 5.4 16.2

85 59.1 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: 7.581 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065434.D

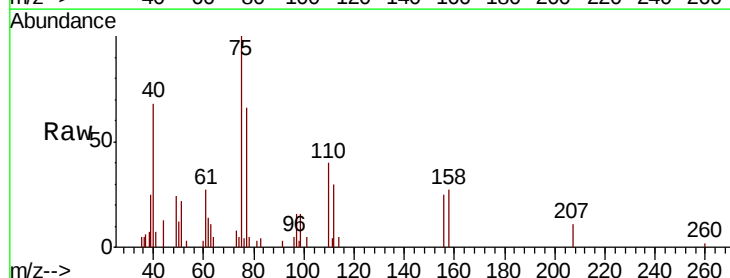
Acq: 05 Mar 2020 16:37

Tgt Ion: 75 Resp: 17983

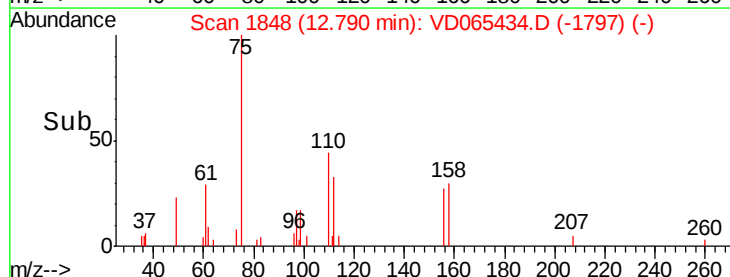
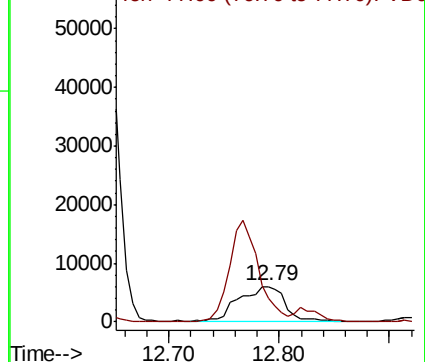
Ion Ratio Lower Upper

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: 3.846 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

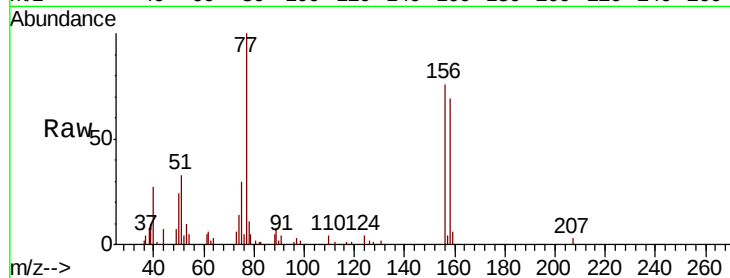
ClientSampleId :

Tot Ion:156 Resp: 18896

Ion	Ratio	Lower	Upper
156	100		
77	171.8	84.9	254.6
158	100.2	49.0	147.2

77 171.8 84.9 254.6

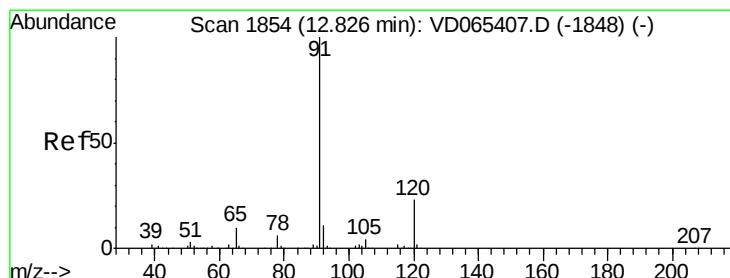
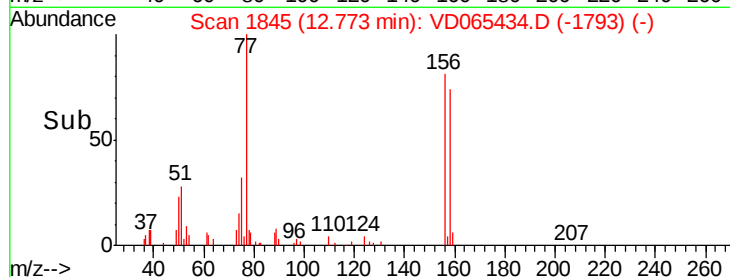
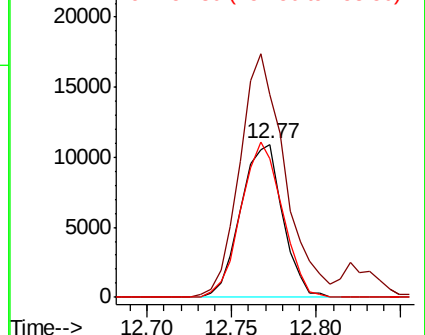
158 100.2 49.0 147.2



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: 3.559 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065434.D

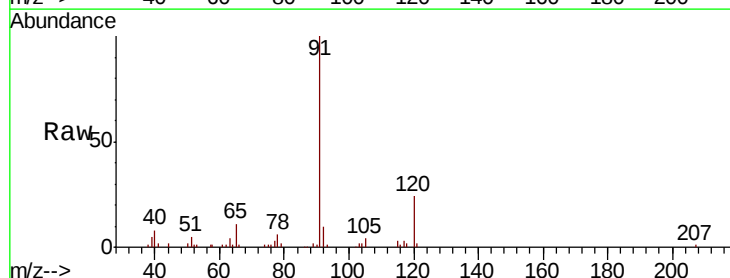
Acq: 05 Mar 2020 16:37

Tgt Ion: 91 Resp: 83502

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.5

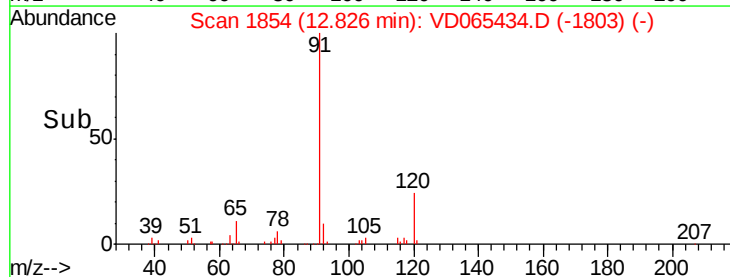
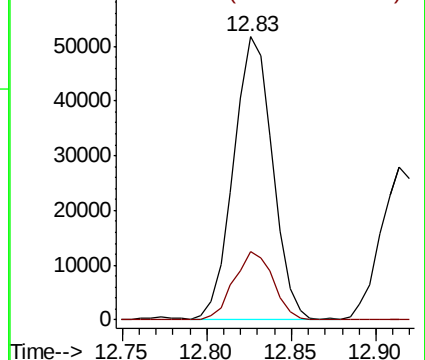
91 100

120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

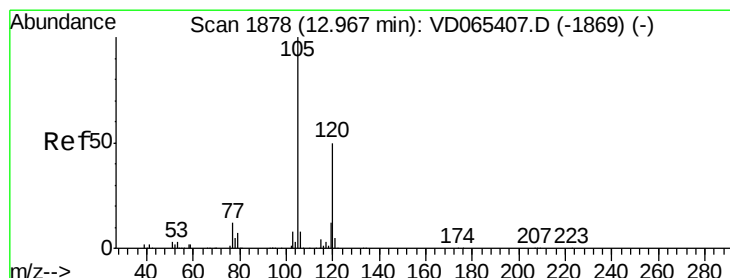
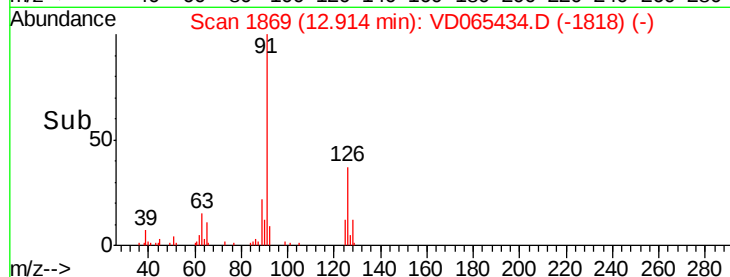
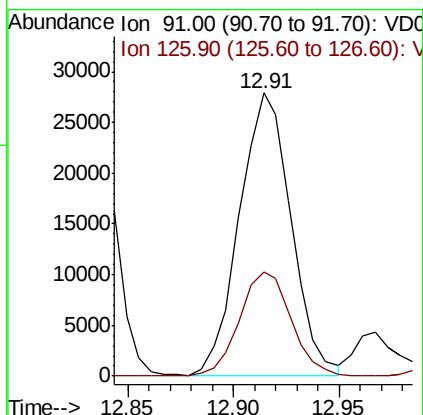
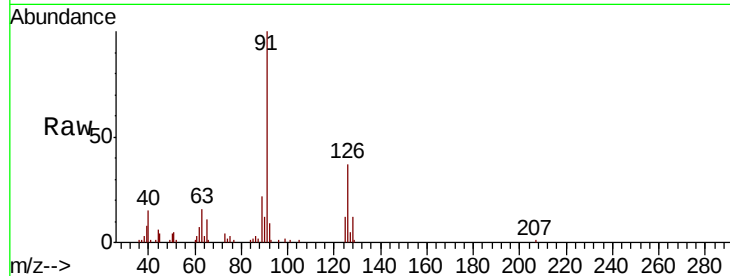




#79
 2-Chlorotoluene
 Concen: 3.594 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

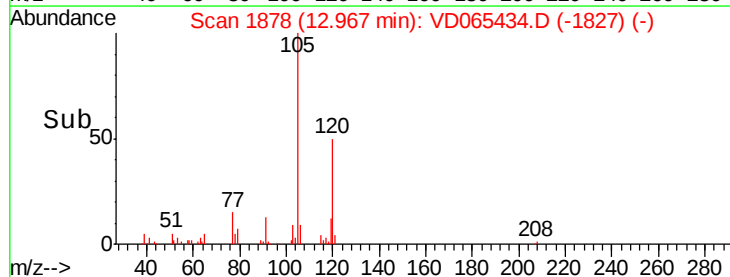
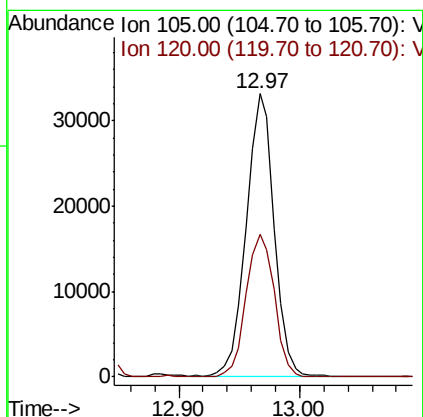
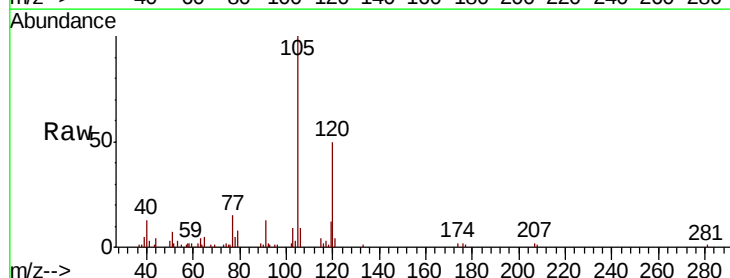
Instrument :
 MSVOA_D
 ClientSampled :

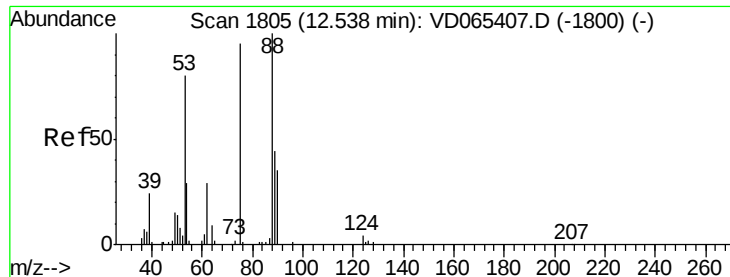
Tot Ion: 91 Resp: 47521
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 3.303 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion: 105 Resp: 53693
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 3.444 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

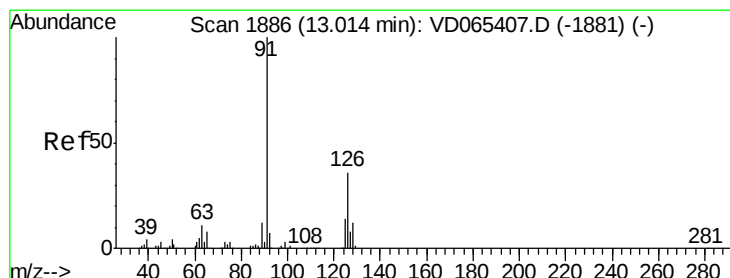
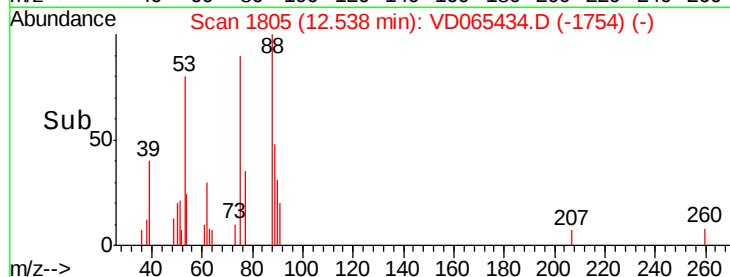
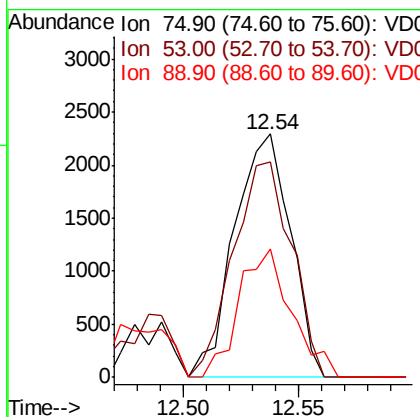
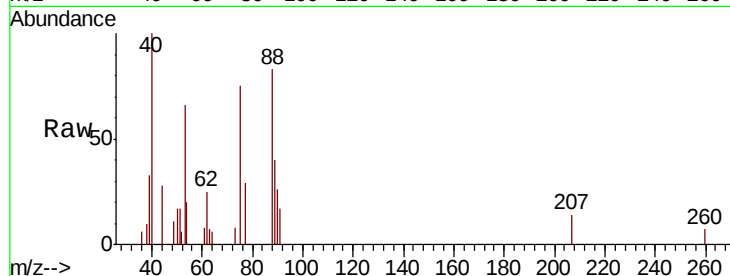
Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 3871

Ion	Ratio	Lower	Upper
75	100		
53	91.9	71.3	106.9
89	49.3	37.0	55.6



#82

4-Chlorotoluene

Concen: 3.642 ug/l

RT: 13.01 min Scan# 1886

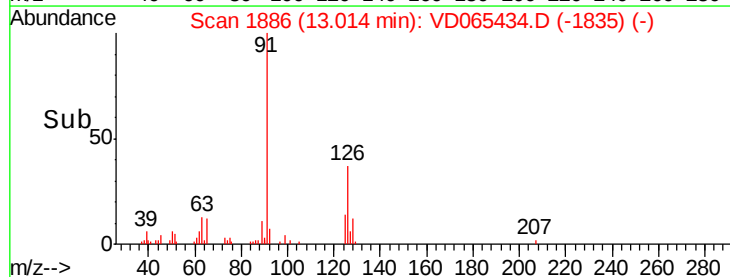
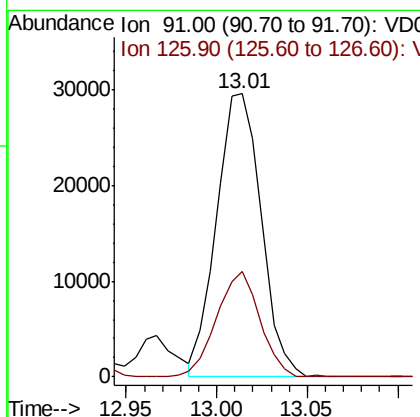
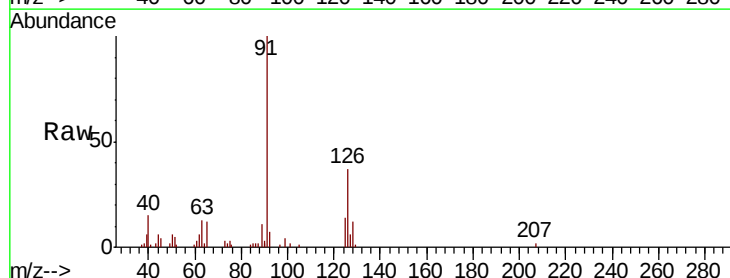
Delta R.T. -0.00 min

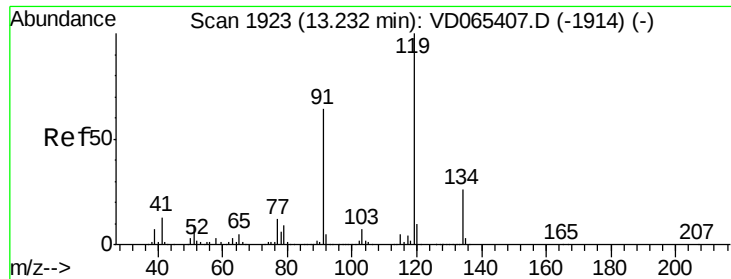
Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Tgt Ion: 91 Resp: 50599

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.6	52.8

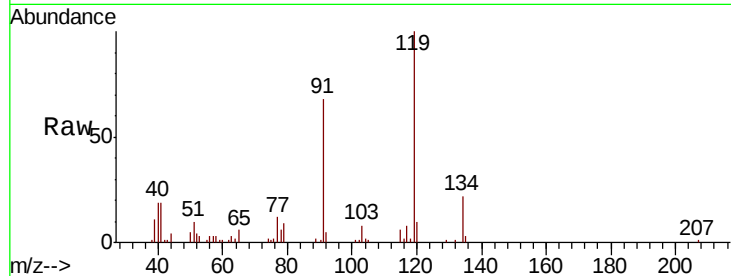




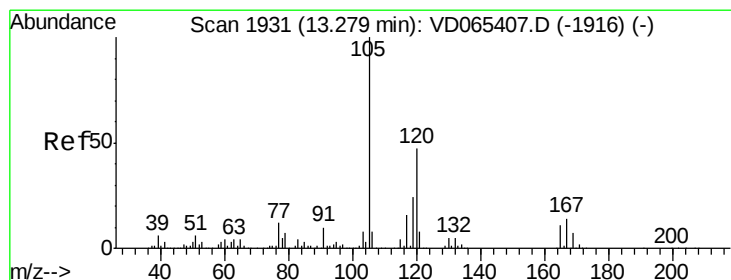
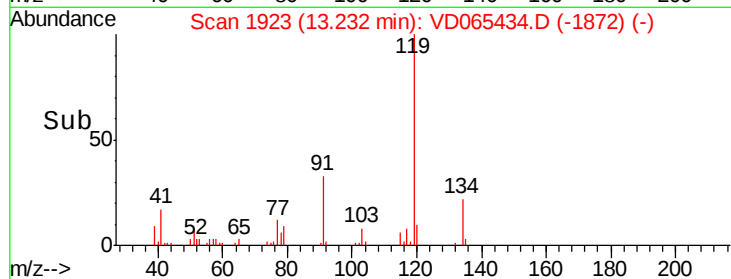
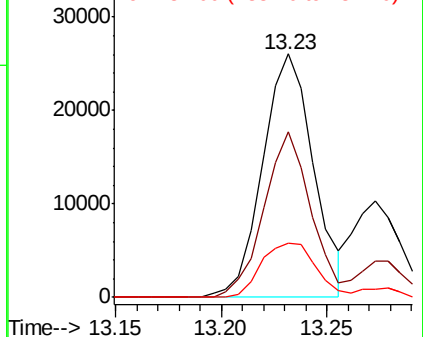
#83
tert-Butylbenzene
Concen: 3.178 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 43708
Ion Ratio Lower Upper
119 100
91 63.7 31.6 95.0
134 24.1 14.2 42.8

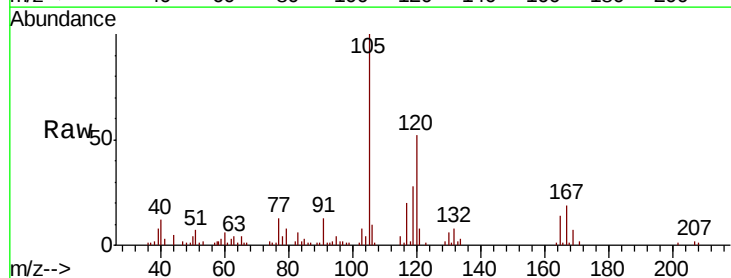


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

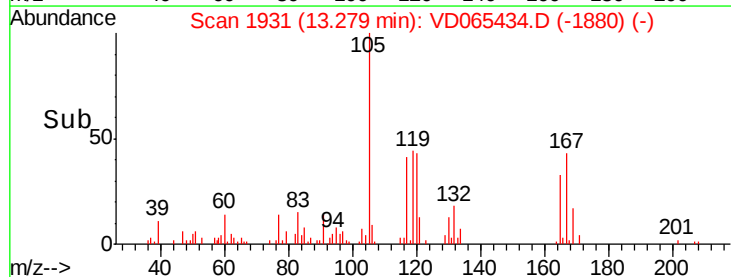
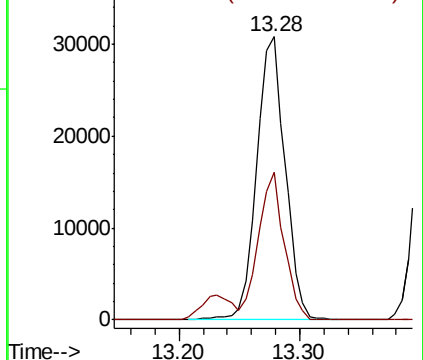


#84
1,2,4-Trimethylbenzene
Concen: 3.142 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion:105 Resp: 50348
Ion Ratio Lower Upper
105 100
120 47.1 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: 3.216 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

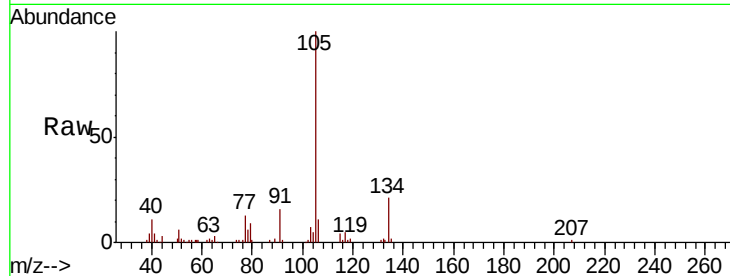
ClientSampled :

Tot Ion:105 Resp: 63127

Ion Ratio Lower Upper

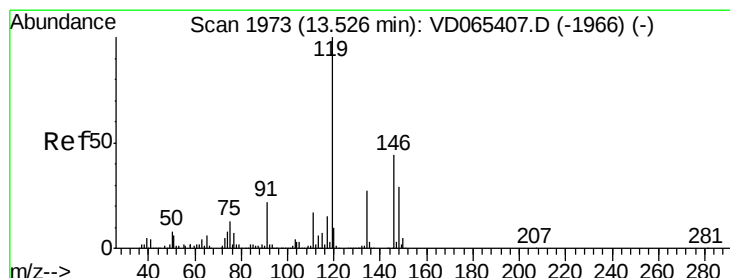
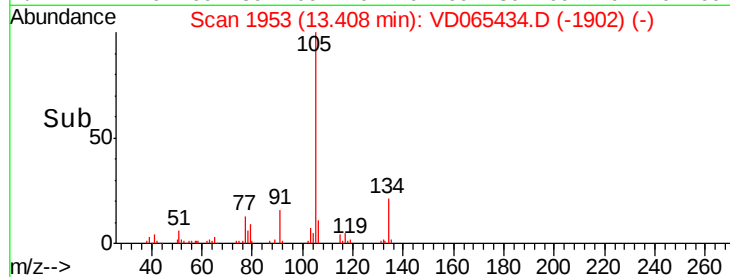
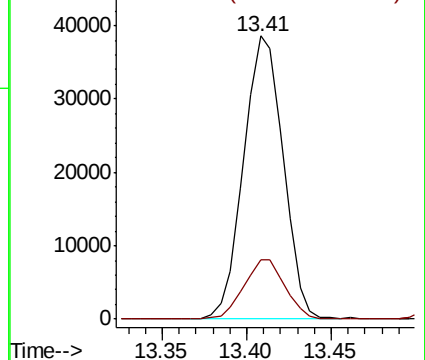
105 100

134 21.7 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: 3.035 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

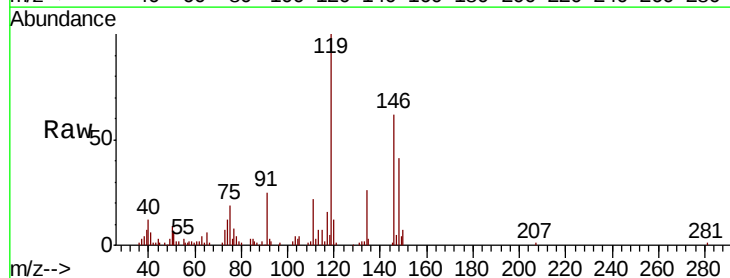
Tgt Ion:119 Resp: 54363

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

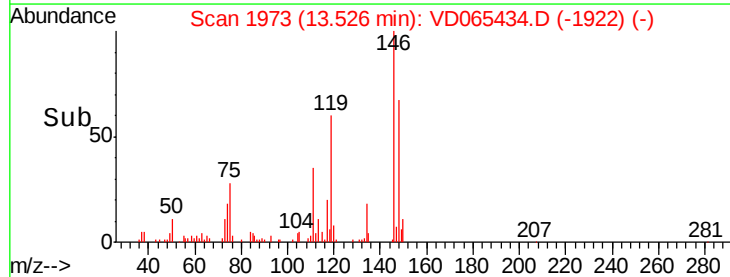
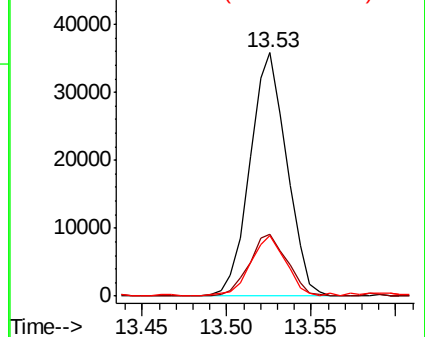
91 23.9 10.9 32.6

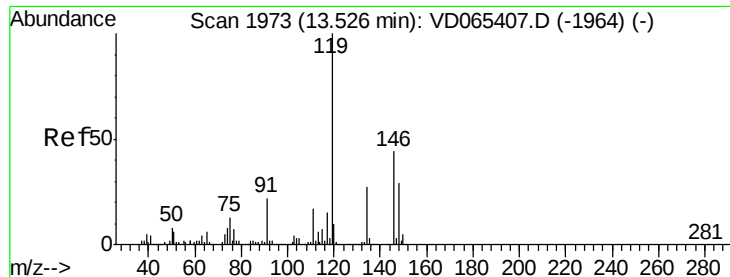


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 3.878 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampled :

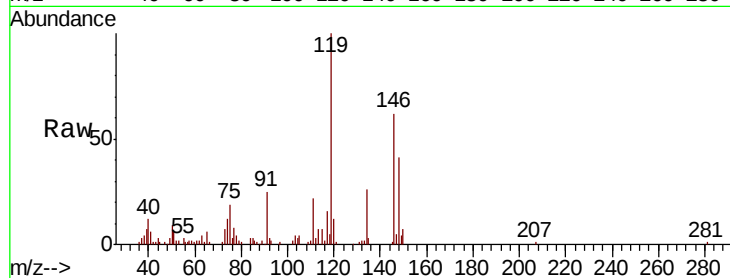
Tot Ion:146 Resp: 36630

Ion Ratio Lower Upper

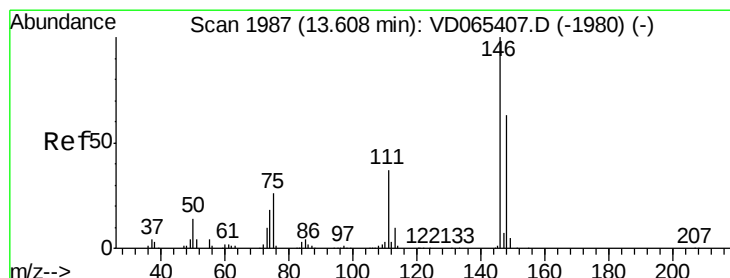
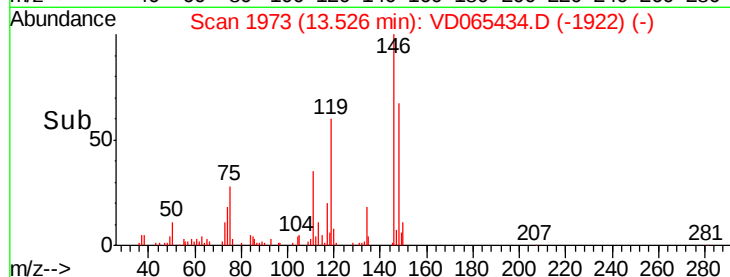
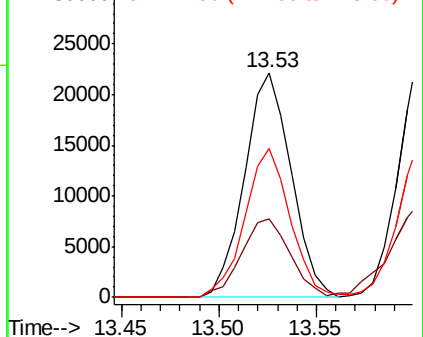
146 100

111 36.6 19.1 57.1

148 64.4 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 4.075 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

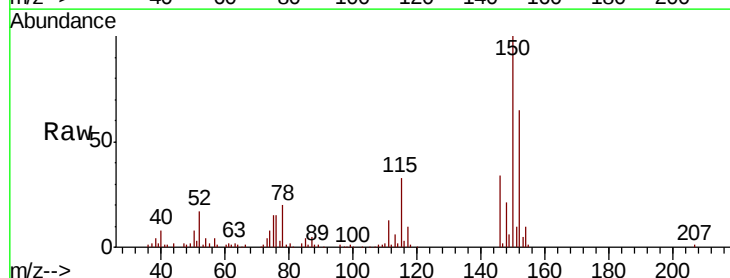
Tgt Ion:146 Resp: 38285

Ion Ratio Lower Upper

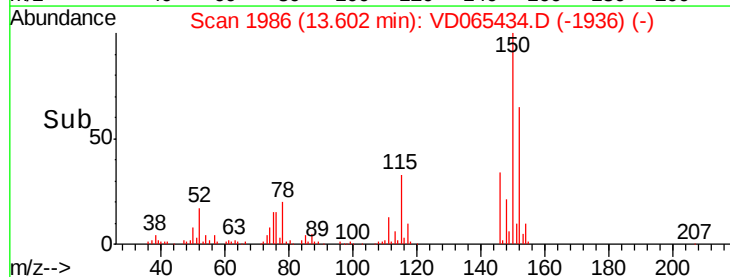
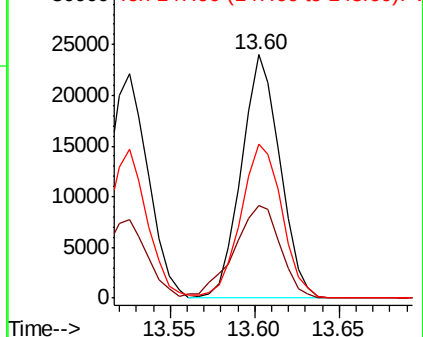
146 100

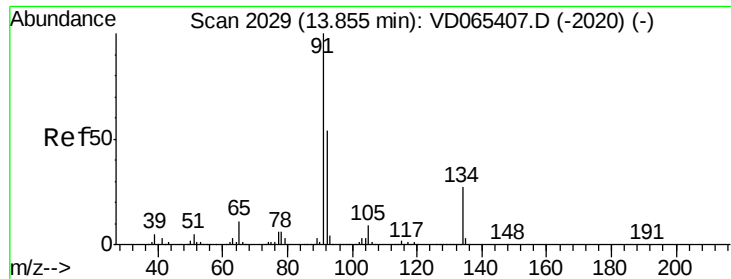
111 45.6 18.5 55.5

148 67.6 32.0 96.0



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

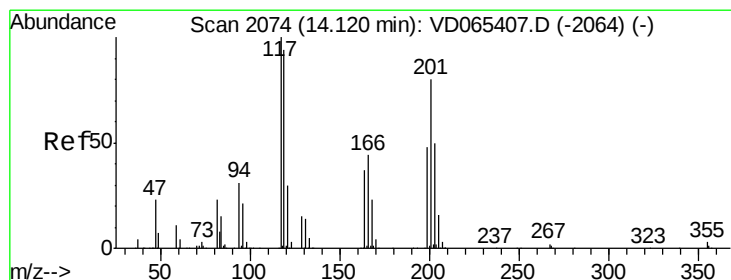
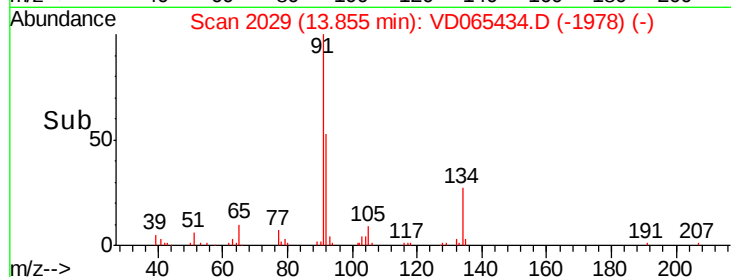
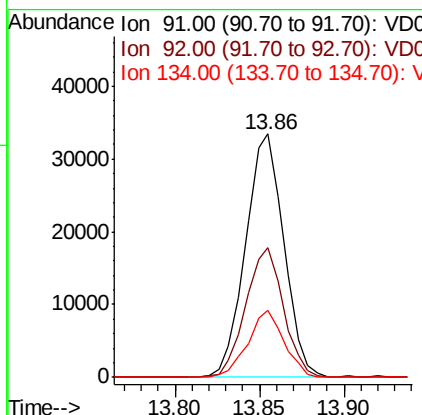
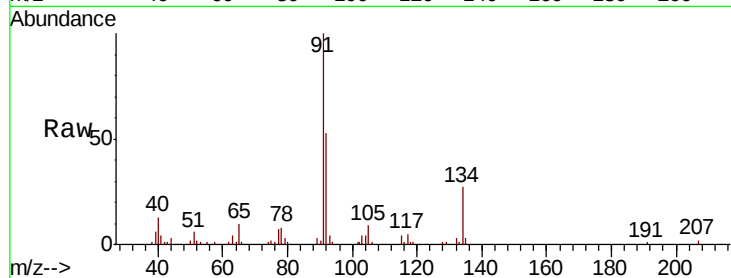




#89
n-Butylbenzene
Concen: 3.177 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

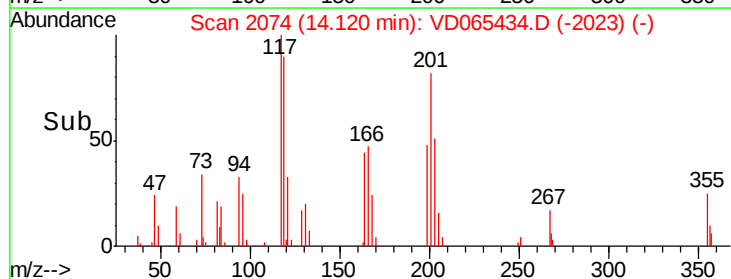
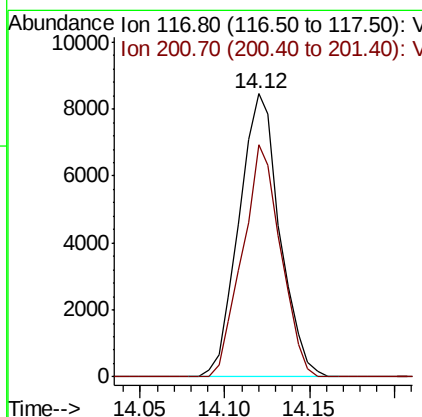
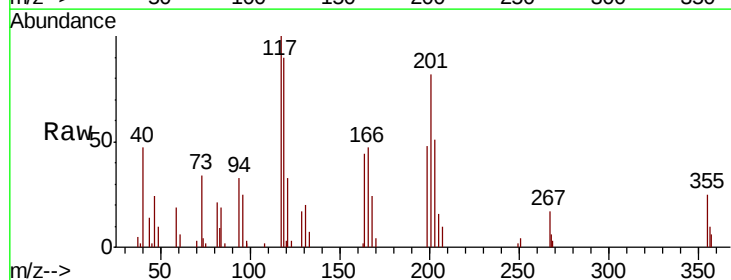
Instrument :
MSVOA_D
ClientSampled :

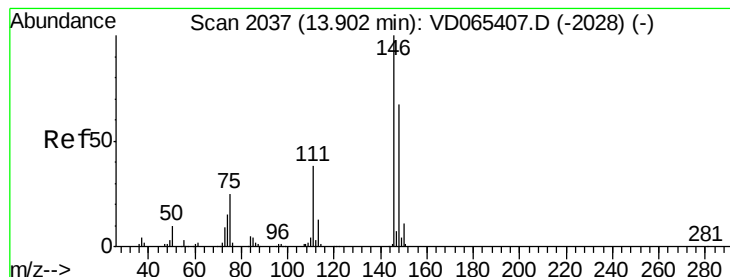
Tot Ion: 91 Resp: 52610
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 26.1 13.4 40.2



#90
Hexachloroethane
Concen: 3.858 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065434.D
Acq: 05 Mar 2020 16:37

Tgt Ion: 117 Resp: 14233
Ion Ratio Lower Upper
117 100
201 76.8 41.9 125.6





#91

1,2-Dichlorobenzene

Concen: 3.836 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

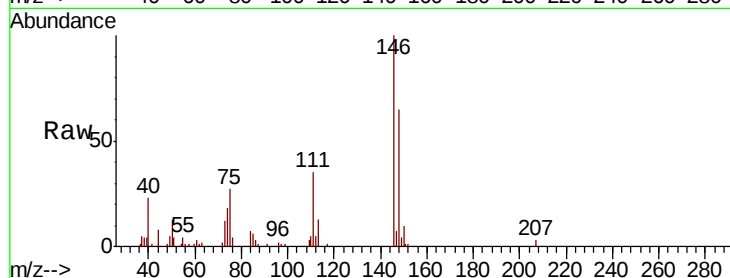
Tot Ion:146 Resp: 30836

Ion Ratio Lower Upper

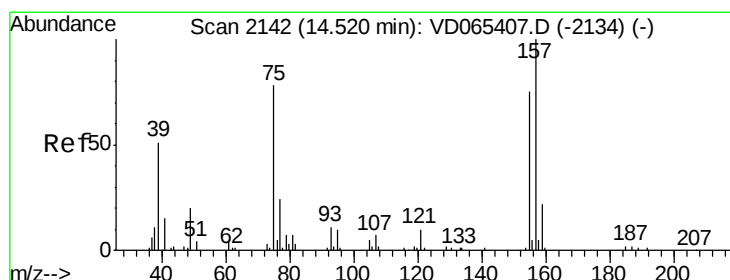
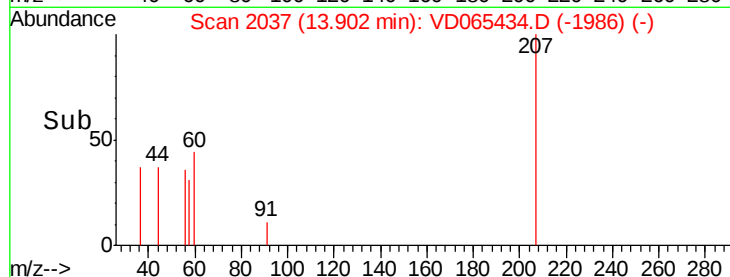
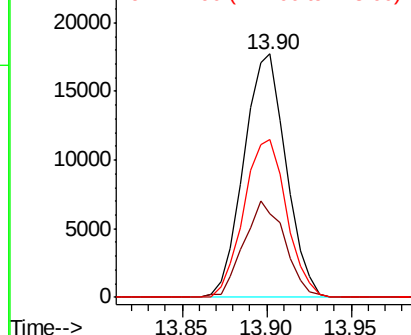
146 100

111 38.7 19.8 59.3

148 65.6 32.6 97.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.190 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

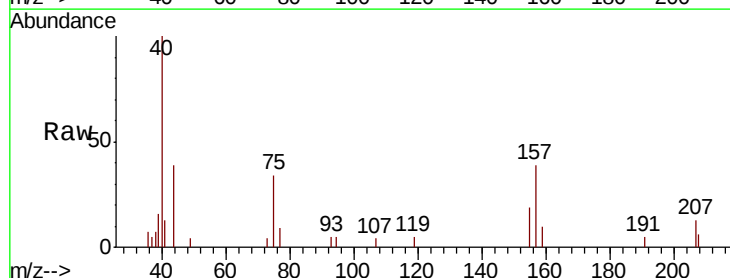
Tgt Ion: 75 Resp: 2218

Ion Ratio Lower Upper

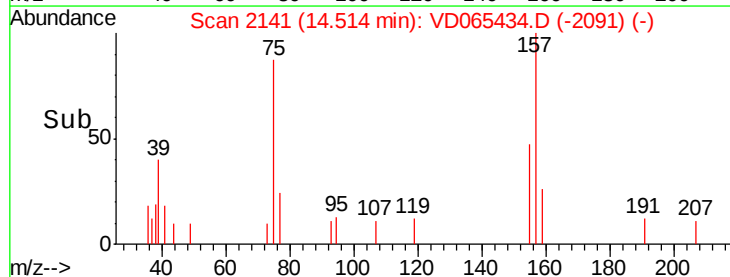
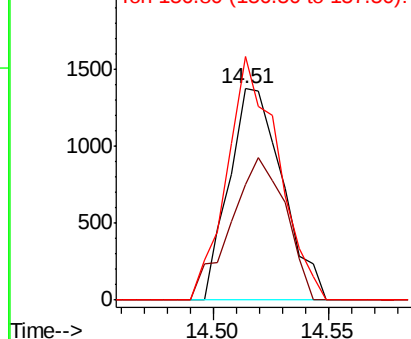
75 100

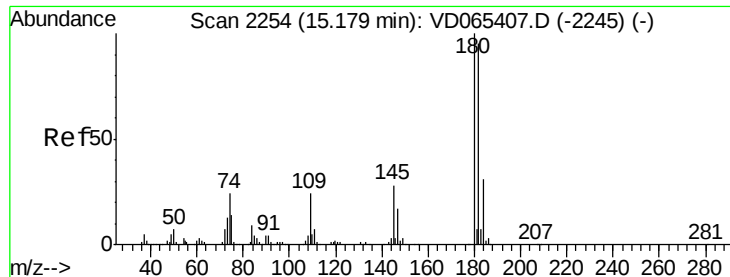
155 68.9 46.4 139.1

157 110.6 60.2 180.4



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

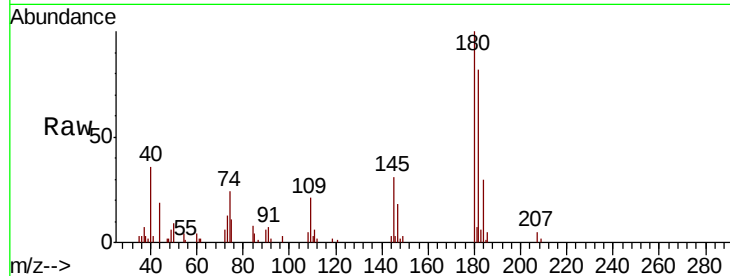




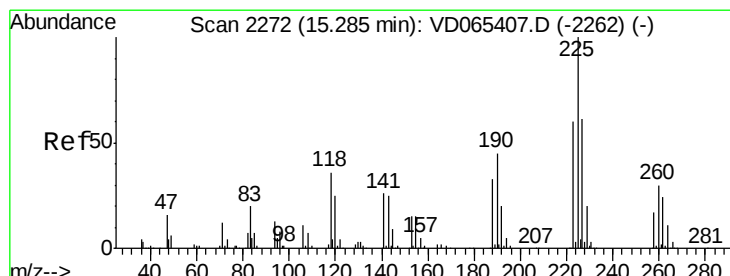
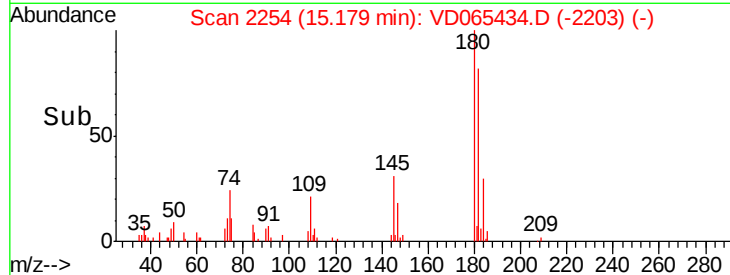
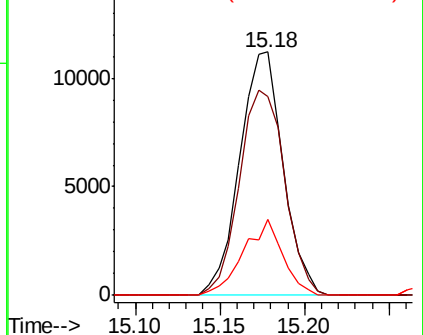
#93
 1,2,4-Trichlorobenzene
 Concen: 3.674 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	48.3	144.9
145	28.5	14.4	43.4

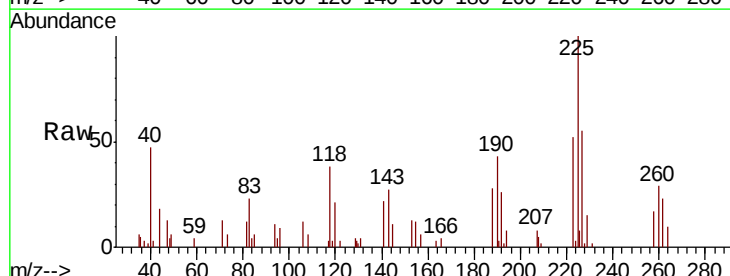


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

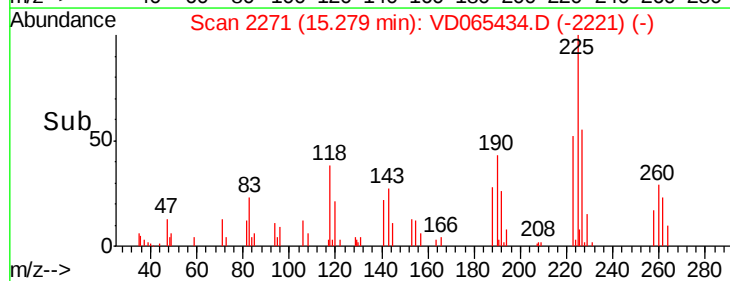
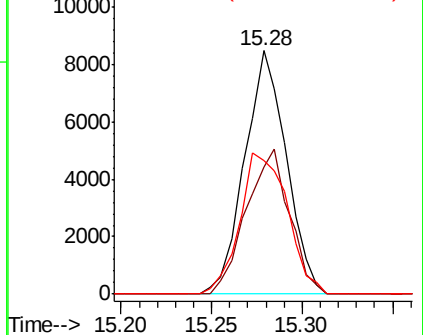


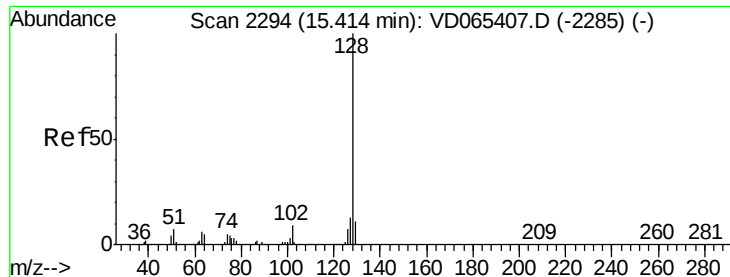
#94
 Hexachlorobutadiene
 Concen: 3.793 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065434.D
 Acq: 05 Mar 2020 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.9	92.5
227	65.9	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.037 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

Instrument :

MSVOA_D

ClientSampleId :

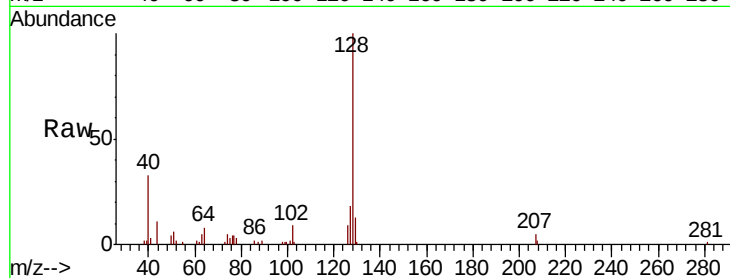
Tot Ion:128 Resp: 26460

Ion Ratio Lower Upper

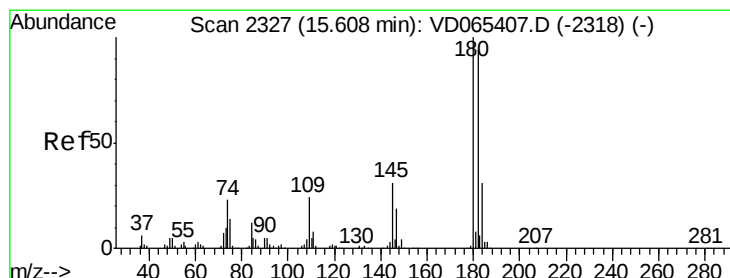
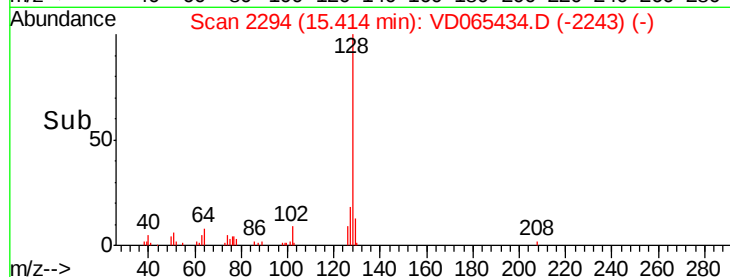
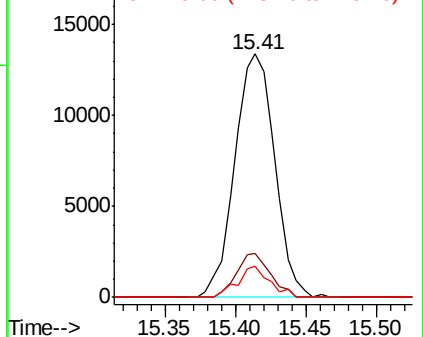
128 100

127 15.2 10.6 16.0

129 10.1 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: 3.538 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065434.D

Acq: 05 Mar 2020 16:37

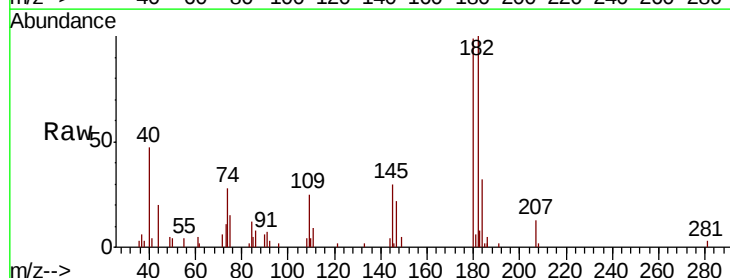
Tgt Ion:180 Resp: 16657

Ion Ratio Lower Upper

180 100

182 101.3 46.9 140.6

145 31.2 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

