

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065250.D
 Acq On : 20 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:02:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	742167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230139	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.92	113	235983	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.34	98	938028	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	299387	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72051	17.287	ug/l	100
3) Chloromethane	2.21	50	100143	18.876	ug/l	99
4) Vinyl Chloride	2.35	62	101772	18.865	ug/l	98
5) Bromomethane	2.77	94	62384	19.126	ug/l	94
6) Chloroethane	2.93	64	63311	19.226	ug/l	100
7) Trichlorofluoromethane	3.27	101	145122	18.790	ug/l	94
8) Diethyl Ether	3.71	74	45479	19.508	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94834	19.444	ug/l	100
10) Methyl Iodide	4.30	142	102191	20.179	ug/l	98
11) Tert butyl alcohol	5.25	59	32454	121.486	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	90990	19.749	ug/l	94
13) Acrolein	3.93	56	45332	123.761	ug/l	98
14) Allyl chloride	4.71	41	147663	19.736	ug/l	99
15) Acrylonitrile	5.43	53	101616	98.449	ug/l	98
16) Acetone	4.17	43	96000	87.846	ug/l	98
17) Carbon Disulfide	4.40	76	298251	19.308	ug/l	98
18) Methyl Acetate	4.72	43	51090	20.787	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	184346	19.187	ug/l	91
20) Methylene Chloride	4.97	84	112644	20.428	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103632	19.785	ug/l	97
22) Diisopropyl ether	6.37	45	287420	19.927	ug/l	99
23) Vinyl Acetate	6.31	43	757325	95.241	ug/l	100
24) 1,1-Dichloroethane	6.27	63	178710	19.976	ug/l	98
25) 2-Butanone	7.23	43	123932	89.633	ug/l	99
26) 2,2-Dichloropropane	7.21	77	153345	19.755	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110809	19.972	ug/l	98
28) Bromochloromethane	7.55	49	62421	18.807	ug/l	96
29) Tetrahydrofuran	7.57	42	81272	100.320	ug/l	98
30) Chloroform	7.71	83	176264	19.556	ug/l	98
31) Cyclohexane	7.98	56	163245	18.571	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	156814	19.445	ug/l	99
36) 1,1-Dichloropropene	8.12	75	141972	19.660	ug/l	100
37) Ethyl Acetate	7.30	43	57416	19.019	ug/l	97
38) Carbon Tetrachloride	8.10	117	141981	19.314	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065250.D
 Acq On : 20 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:02:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160554	18.912	ug/l	97
40) Benzene	8.36	78	409954	20.113	ug/l	98
41) Methacrylonitrile	7.53	41	31809	18.249	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109502	19.542	ug/l	99
43) Isopropyl Acetate	8.46	43	104838	19.097	ug/l	98
44) Trichloroethene	9.11	130	113298	20.053	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99053	19.543	ug/l	97
46) Dibromomethane	9.48	93	52395	20.092	ug/l	98
47) Bromodichloromethane	9.67	83	135570	19.727	ug/l	99
48) Methyl methacrylate	9.46	41	49563	19.532	ug/l	98
49) 1,4-Dioxane	9.47	88	11594	379.071	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	268080	96.145	ug/l	99
52) Toluene	10.41	92	258928	20.523	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123278	19.353	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	152137	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	73640	20.063	ug/l	97
56) Ethyl methacrylate	10.67	69	79212	18.697	ug/l	95
57) 1,3-Dichloropropane	10.95	76	125063	20.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131395	98.375	ug/l	99
59) 2-Hexanone	10.99	43	188390	94.386	ug/l	99
60) Dibromochloromethane	11.15	129	92453	19.680	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69721	20.062	ug/l	98
64) Tetrachloroethene	10.88	164	98106	20.454	ug/l	95
65) Chlorobenzene	11.68	112	269241	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101143	19.971	ug/l	99
67) Ethyl Benzene	11.75	91	469862	19.768	ug/l	100
68) m/p-Xylenes	11.86	106	368903	40.566	ug/l	99
69) o-Xylene	12.19	106	161798	20.083	ug/l	99
70) Styrene	12.20	104	285790	19.979	ug/l	99
71) Bromoform	12.37	173	54495	19.391	ug/l #	98
73) Isopropylbenzene	12.48	105	442595	20.418	ug/l	99
74) N-amyl acetate	12.30	43	90410	18.770	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	77072	19.700	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	100735	36.160	ug/l #	100
77) Bromobenzene	12.77	156	109339	20.313	ug/l	98
78) n-propylbenzene	12.83	91	538157	20.659	ug/l	100
79) 2-Chlorotoluene	12.91	91	294524	20.182	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	366617	20.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24383	18.898	ug/l	95
82) 4-Chlorotoluene	13.01	91	319211	20.604	ug/l	99
83) tert-Butylbenzene	13.23	119	296223	19.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367210	20.549	ug/l	99
85) sec-Butylbenzene	13.41	105	436591	20.248	ug/l	100
86) p-Isopropyltoluene	13.53	119	399316	20.251	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	209866	20.168	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206241	20.081	ug/l	99
89) n-Butylbenzene	13.86	91	365979	20.142	ug/l	98
90) Hexachloroethane	14.12	117	79019	19.736	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	179915	20.136	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11506	19.085	ug/l	94

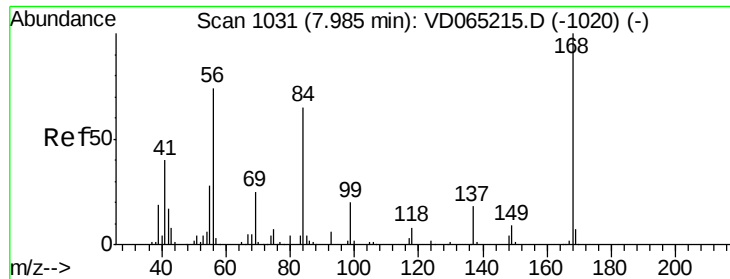
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
Data File : VD065250.D
Acq On : 20 Feb 2020 12:09
Operator : VA/SY
Sample : VD0220SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 21 04:02:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119292	20.411	ug/l	99
94) Hexachlorobutadiene	15.28	225	74594	19.896	ug/l	99
95) Naphthalene	15.41	128	188419	19.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105758	20.719	ug/l	99

(#) = 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: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

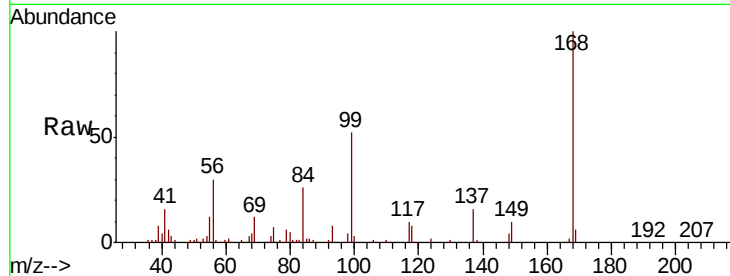
ClientSampleId :

Tot Ion:168 Resp: 496943

Ion Ratio Lower Upper

168 100

99 51.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

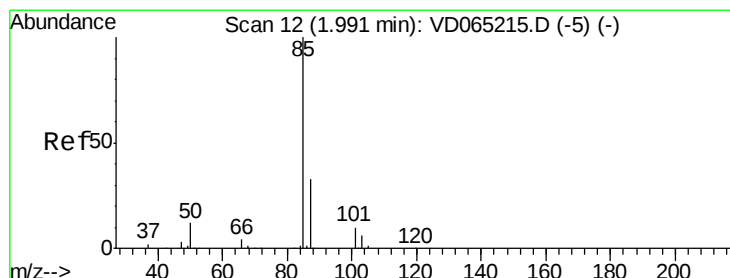
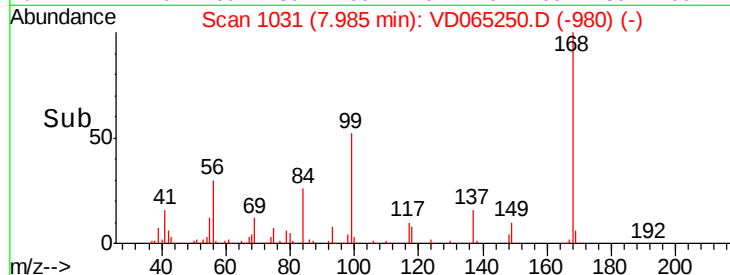
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.287 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065250.D

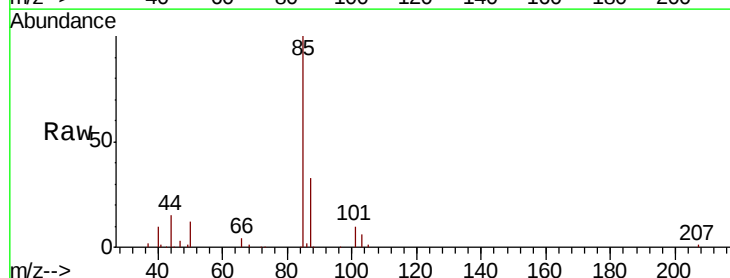
Acq: 20 Feb 2020 12:09

Tgt Ion: 85 Resp: 72051

Ion Ratio Lower Upper

85 100

87 32.7 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

50000

40000

30000

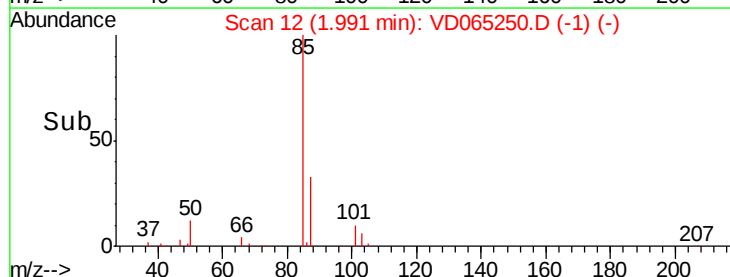
20000

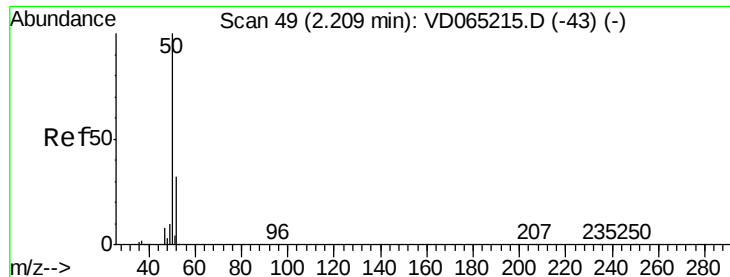
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.876 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

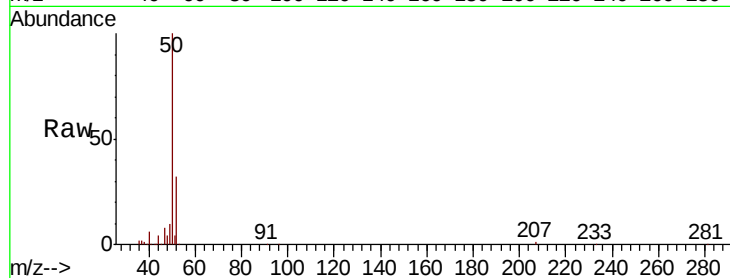
ClientSampleId :

Tot Ion: 50 Resp: 100143

Ion Ratio Lower Upper

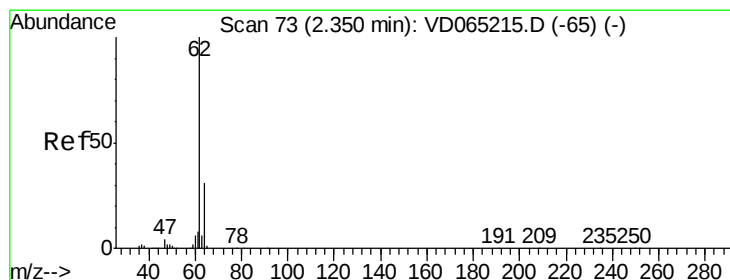
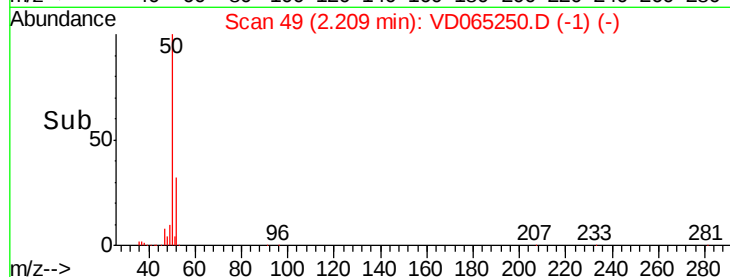
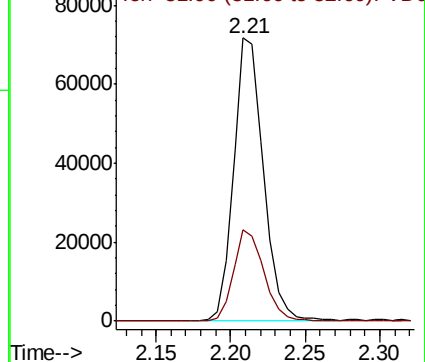
50 100

52 32.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.865 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065250.D

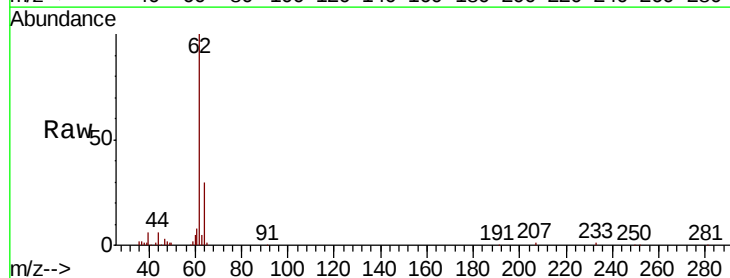
Acq: 20 Feb 2020 12:09

Tgt Ion: 62 Resp: 101772

Ion Ratio Lower Upper

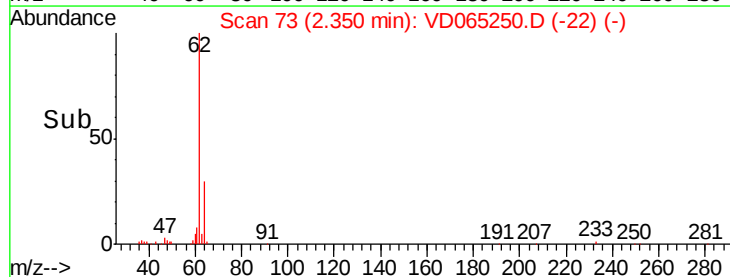
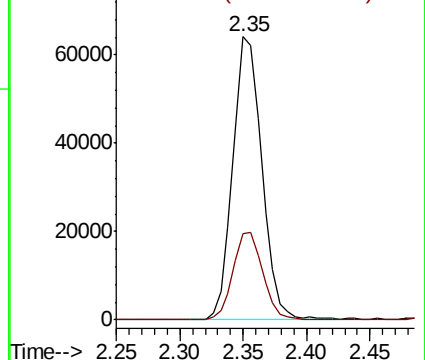
62 100

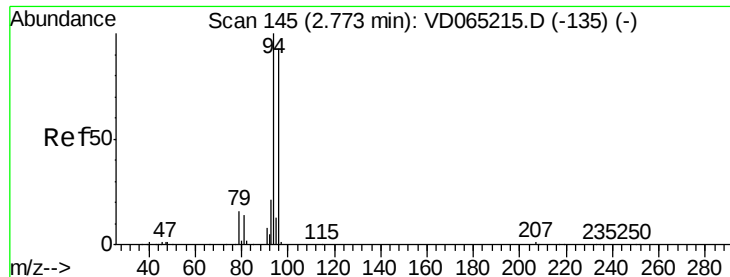
64 30.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.126 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

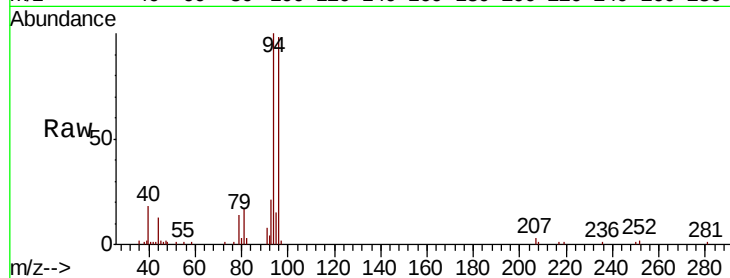
ClientSampleId :

Tot Ion: 94 Resp: 62384

Ion Ratio Lower Upper

94 100

96 98.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

10000

5000

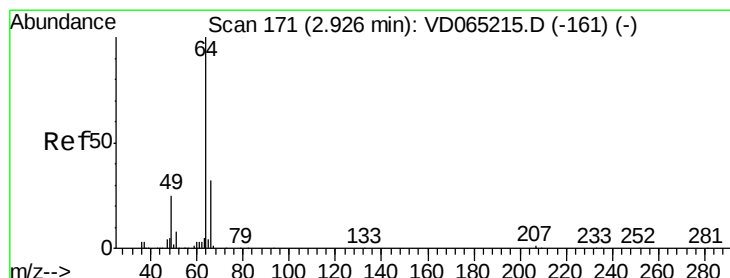
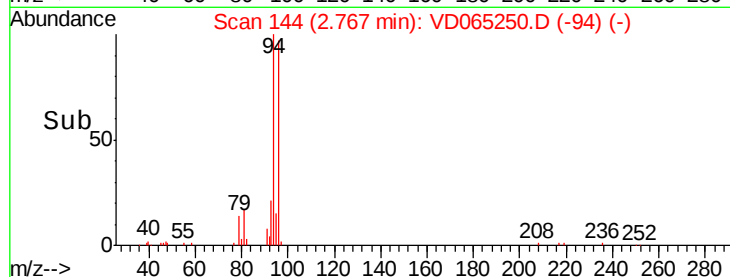
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 19.226 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065250.D

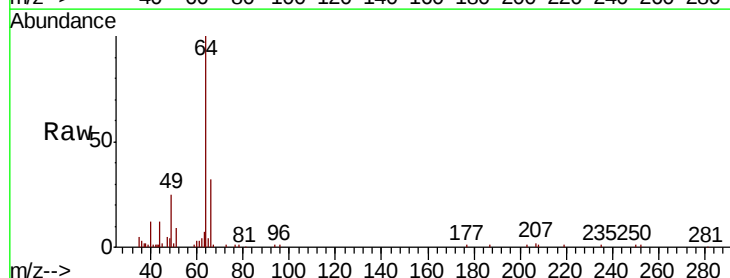
Acq: 20 Feb 2020 12:09

Tgt Ion: 64 Resp: 63311

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

20000

10000

0

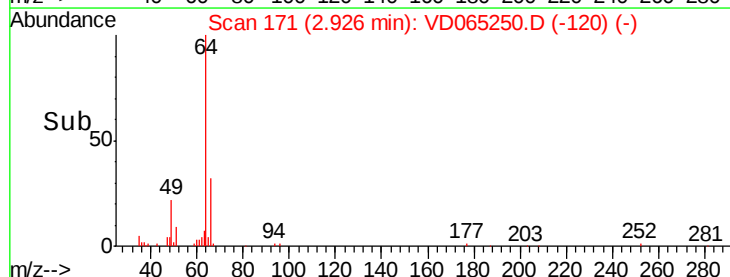
Time-->

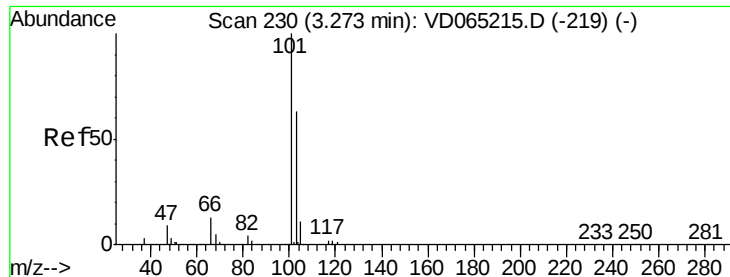
2.85

2.90

2.95

3.00



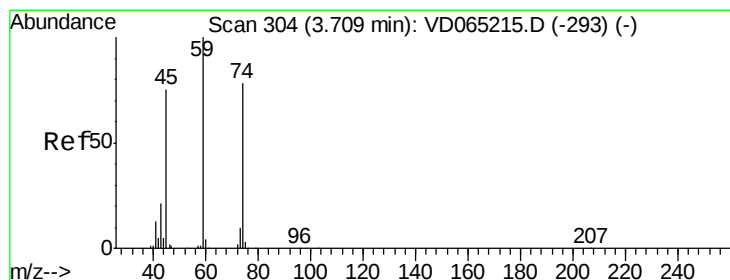
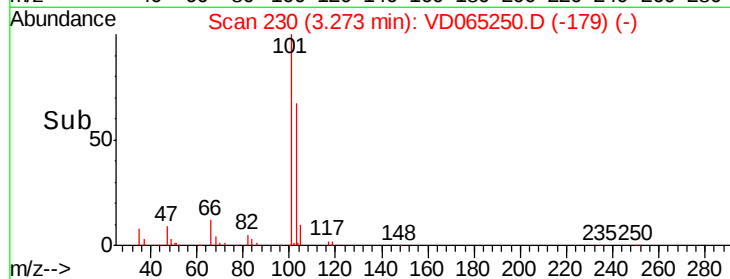
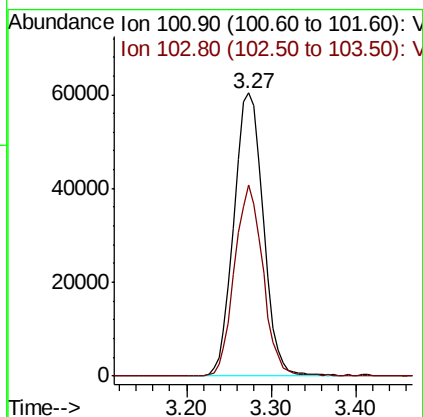
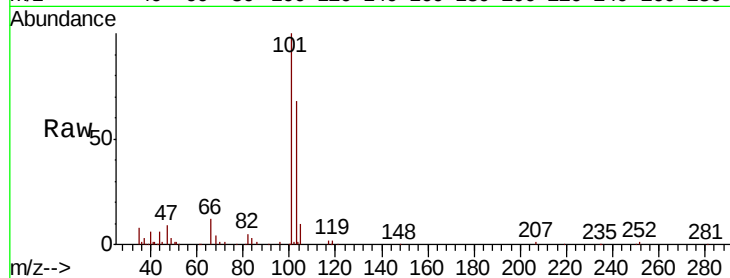


#7

Trichlorofluoromethane
 Concen: 18.790 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

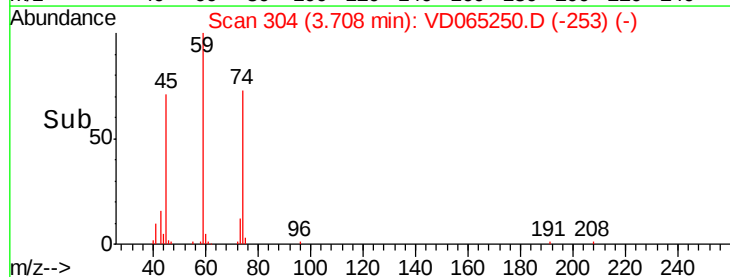
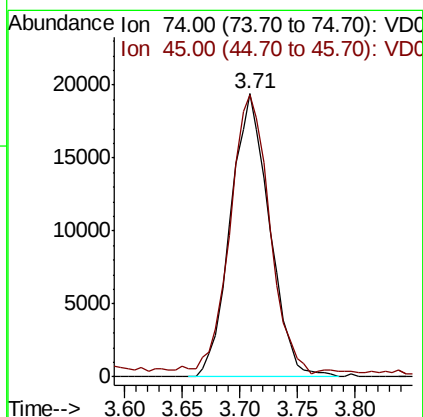
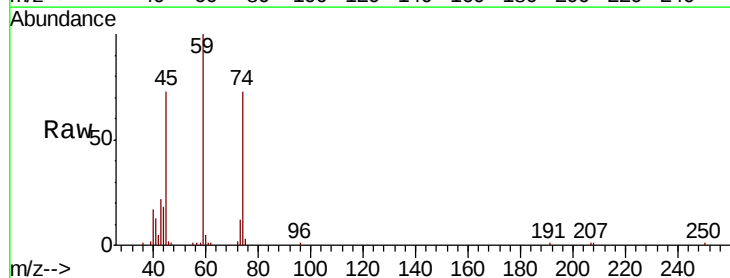
Tot Ion:101 Resp: 145122
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.7 76.1

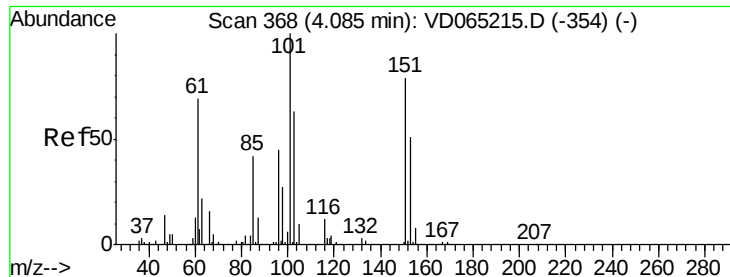


#8

Diethyl Ether
 Concen: 19.508 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 74 Resp: 45479
 Ion Ratio Lower Upper
 74 100
 45 96.8 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.444 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

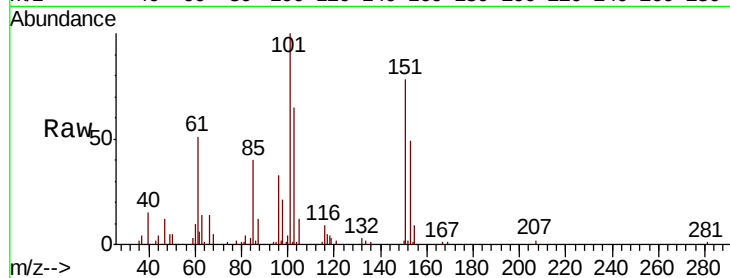
Tot Ion:101 Resp: 94834

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

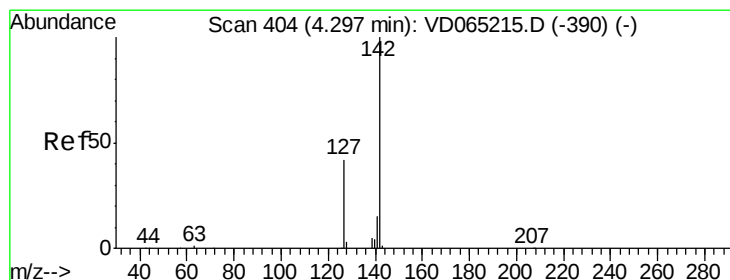
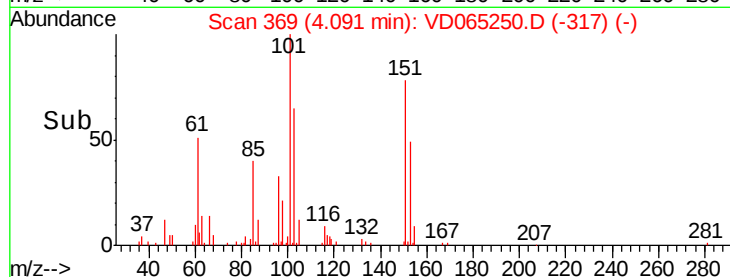
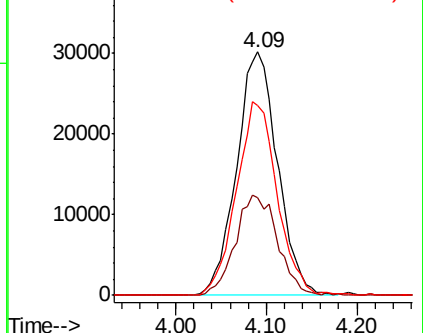
151 79.1 63.5 95.3



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: 20.179 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

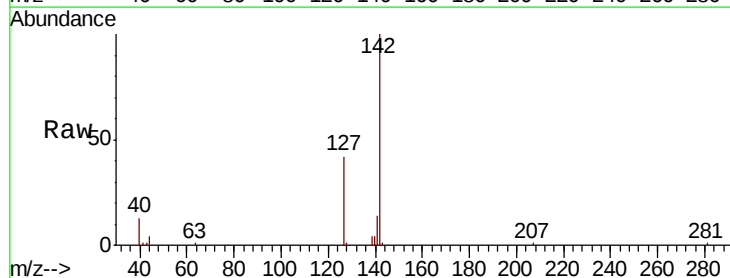
Tgt Ion:142 Resp: 102191

Ion Ratio Lower Upper

142 100

127 41.1 33.8 50.8

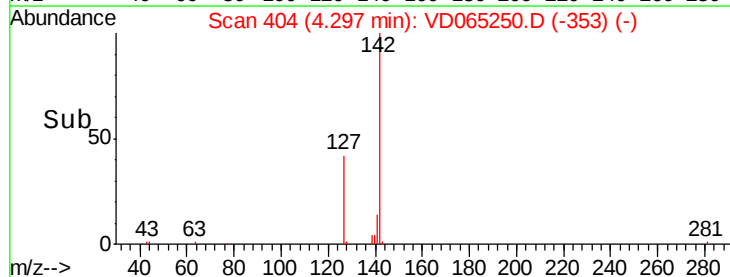
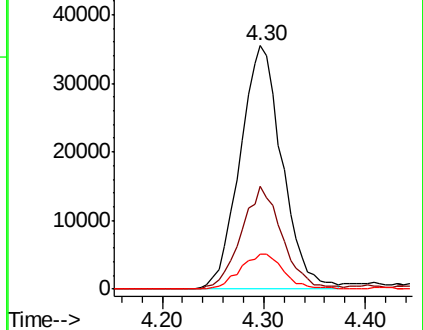
141 14.8 11.7 17.5

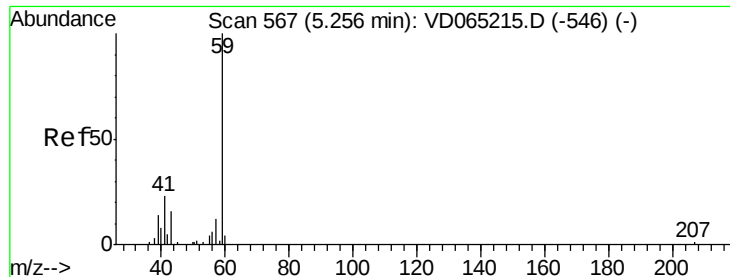


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



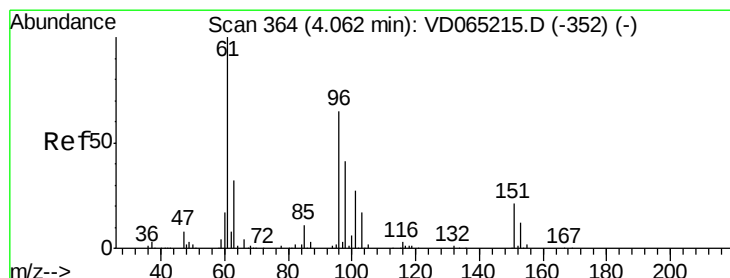
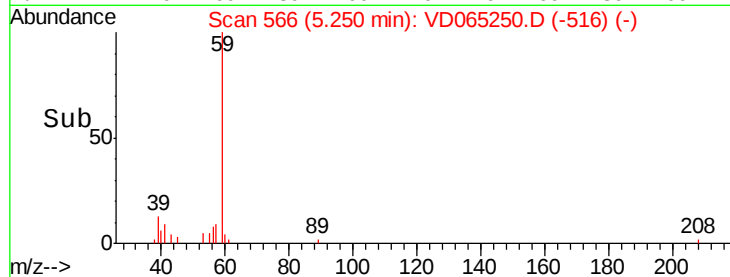
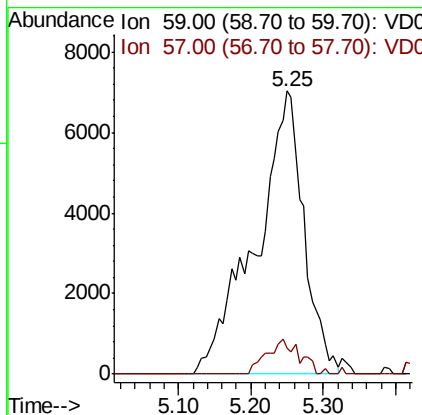
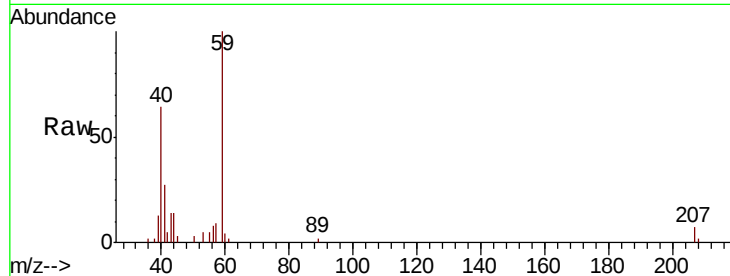


#11

Tert butyl alcohol
 Concen: 121.486 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampled :

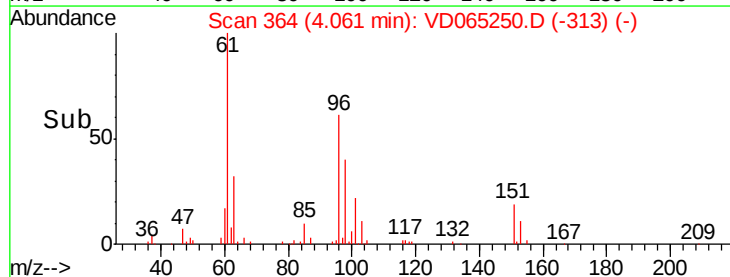
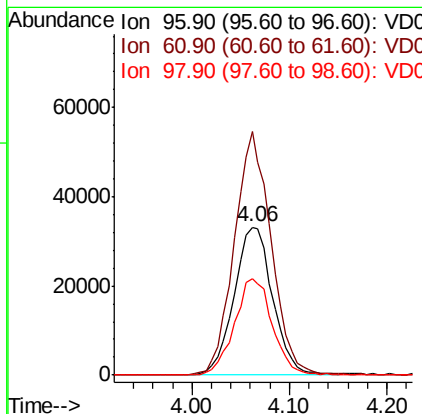
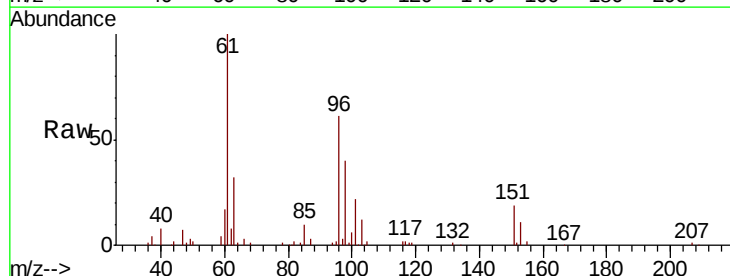
Tot Ion: 59 Resp: 32454
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.4 12.6#



#12

1,1-Dichloroethene
 Concen: 19.749 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 96 Resp: 90990
 Ion Ratio Lower Upper
 96 100
 61 164.3 123.3 184.9
 98 65.2 51.0 76.4

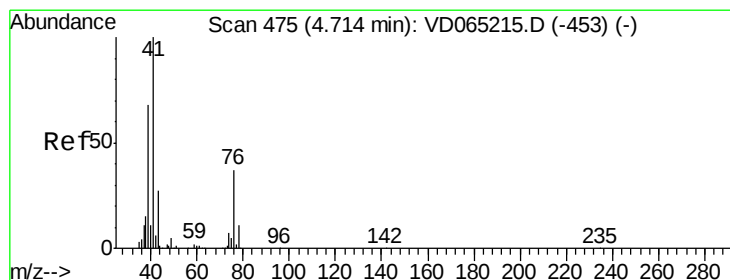
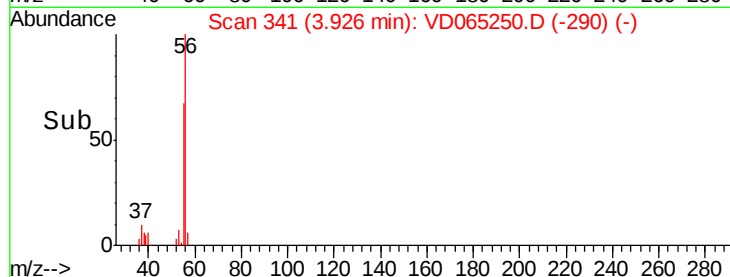
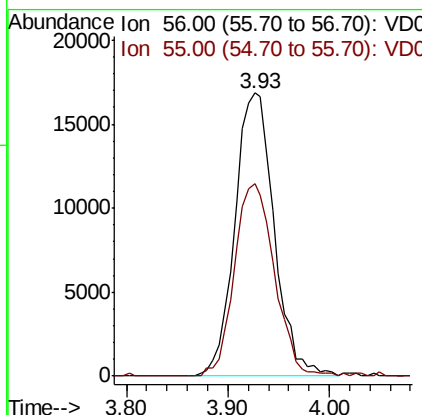
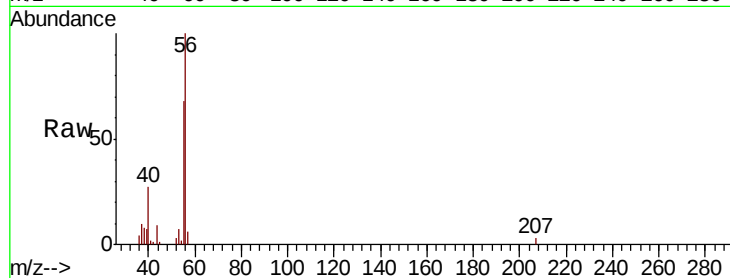




#13
Acrolein
Concen: 123.761 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

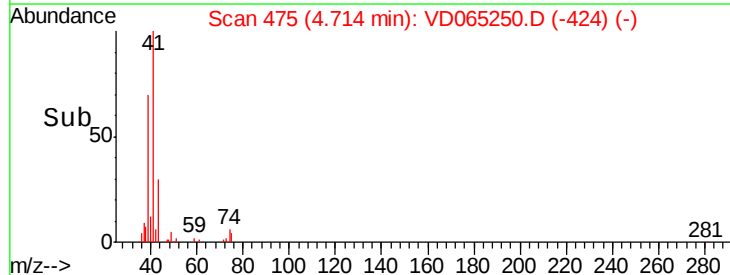
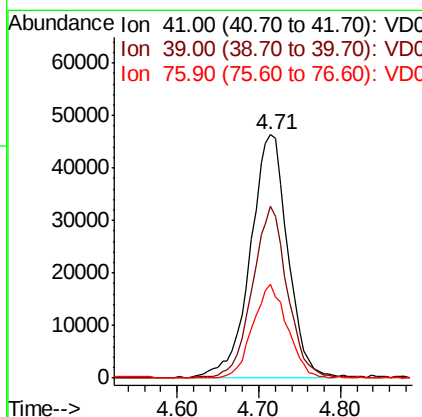
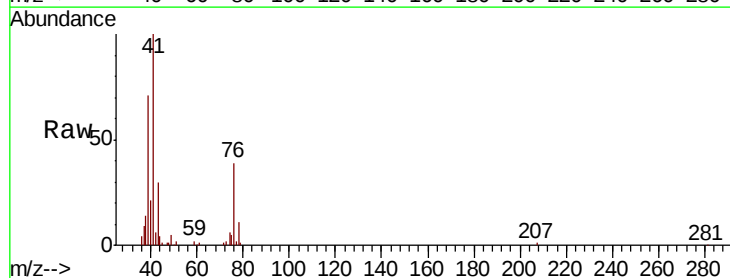
Instrument :
MSVOA_D
ClientSampleId :

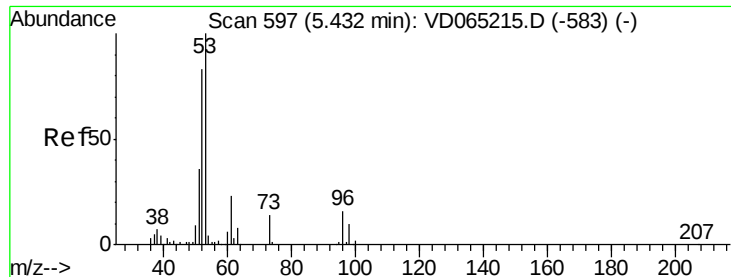
Tot Ion: 56 Resp: 45332
Ion Ratio Lower Upper
56 100
55 69.3 56.6 85.0



#14
Allyl chloride
Concen: 19.736 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 41 Resp: 147663
Ion Ratio Lower Upper
41 100
39 66.3 53.8 80.6
76 35.6 28.7 43.1





#15

Acrylonitrile

Concen: 98.449 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

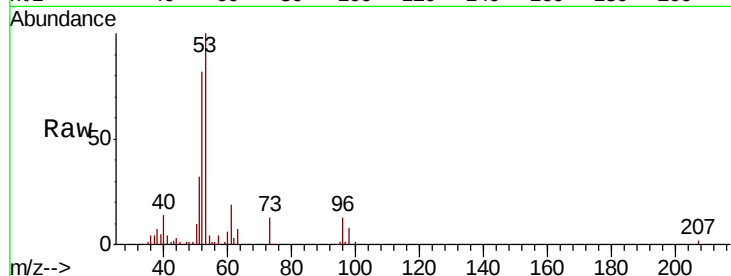
Tot Ion: 53 Resp: 101616

Ion Ratio Lower Upper

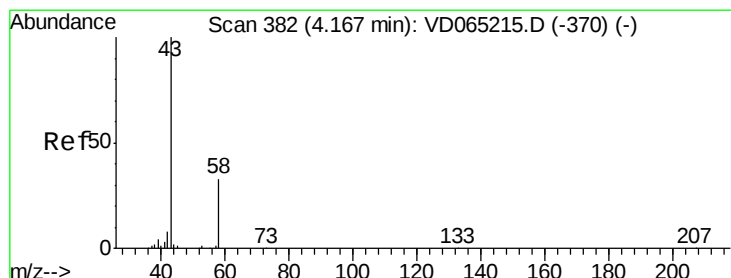
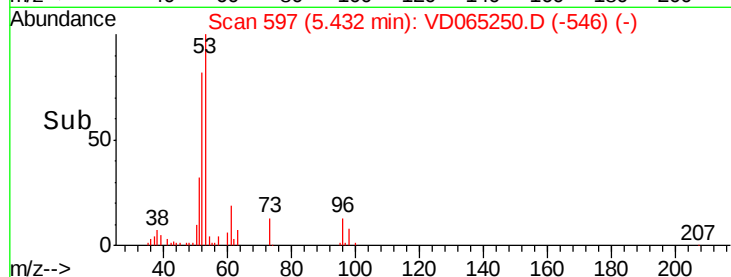
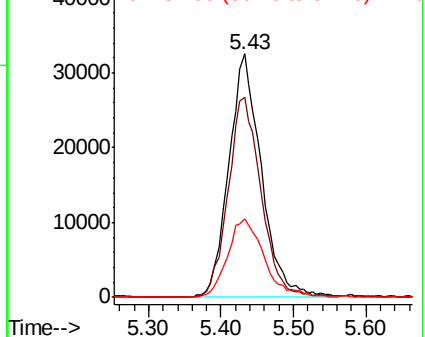
53 100

52 83.3 65.4 98.2

51 36.1 29.5 44.3



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: 87.846 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065250.D

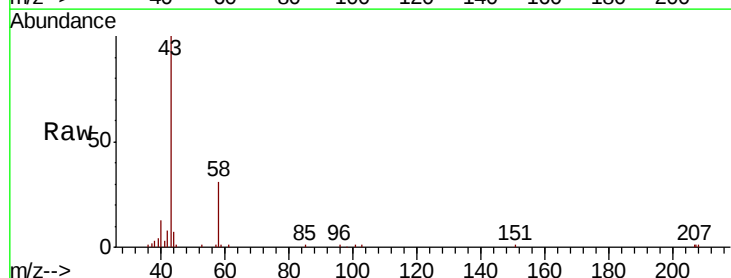
Acq: 20 Feb 2020 12:09

Tgt Ion: 43 Resp: 96000

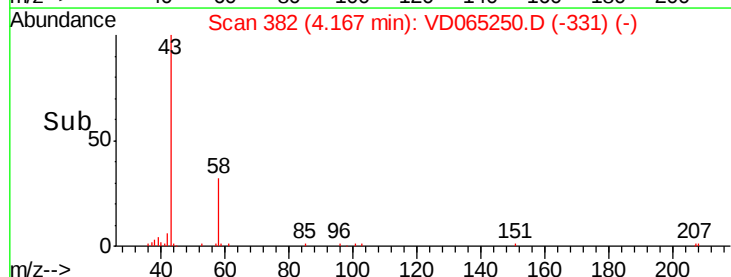
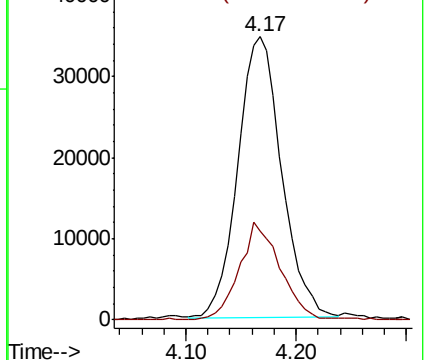
Ion Ratio Lower Upper

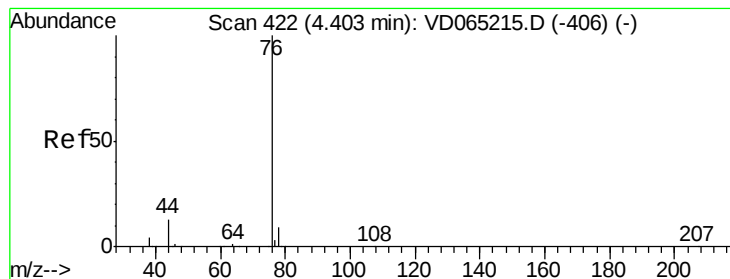
43 100

58 31.7 26.2 39.2



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





#17

Carbon Disulfide

Concen: 19.308 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

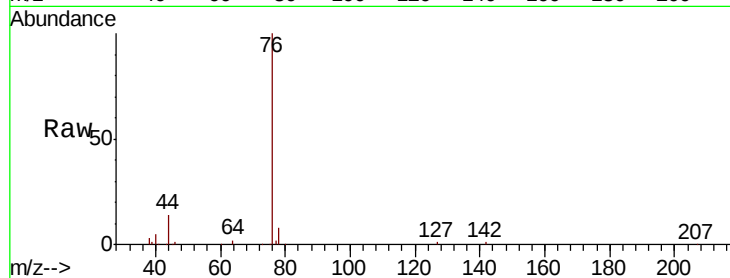
ClientSampleId :

Tot Ion: 76 Resp: 298251

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

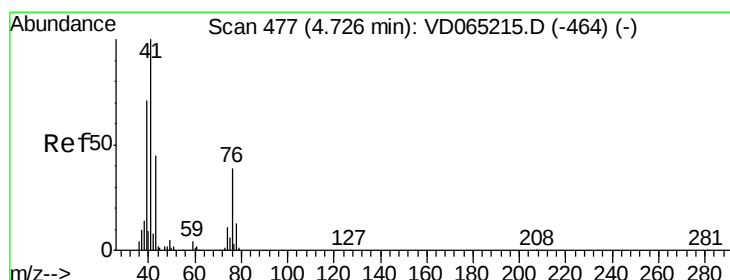
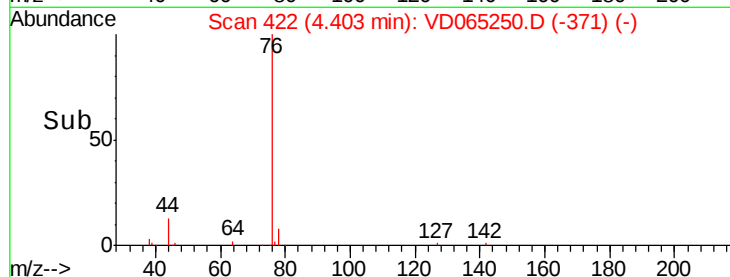
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.787 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065250.D

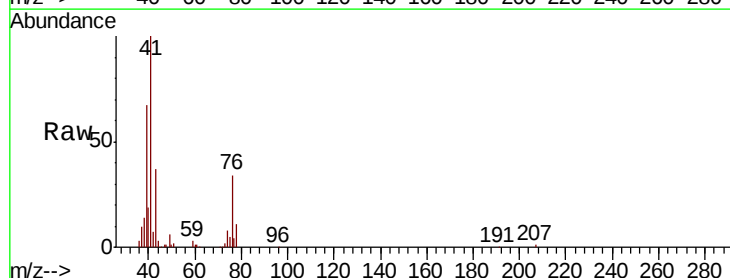
Acq: 20 Feb 2020 12:09

Tgt Ion: 43 Resp: 51090

Ion Ratio Lower Upper

43 100

74 22.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

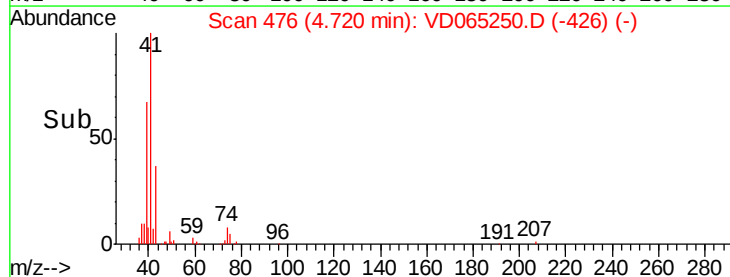
15000

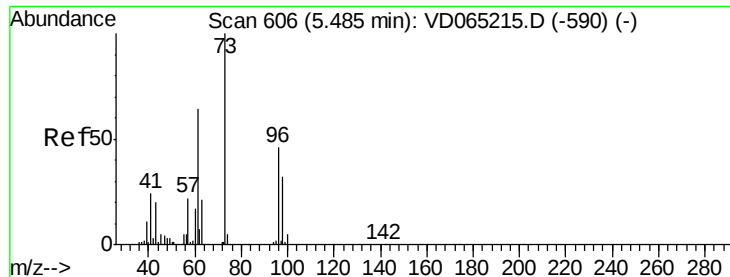
10000

5000

0

Time-->

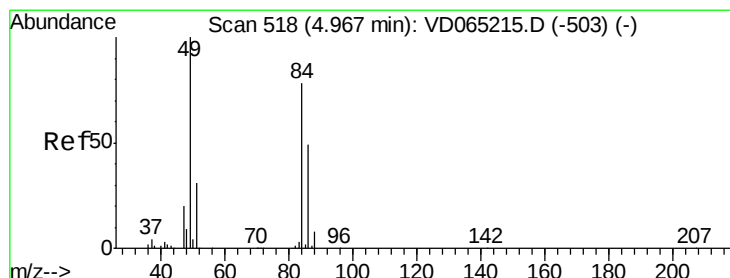
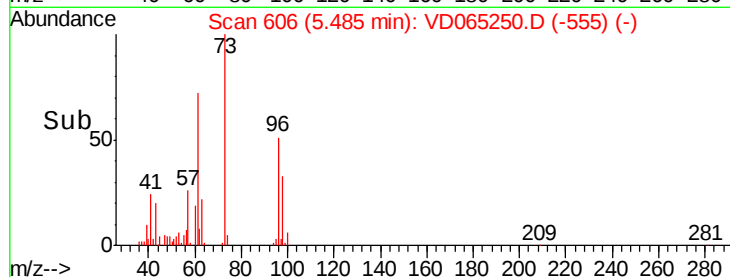
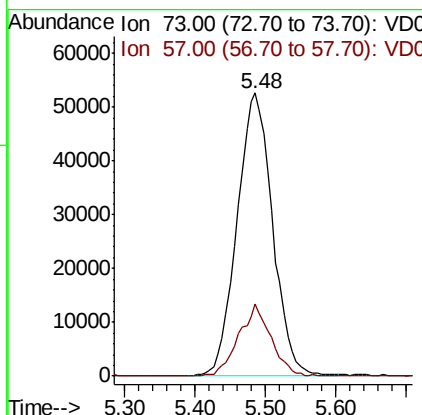
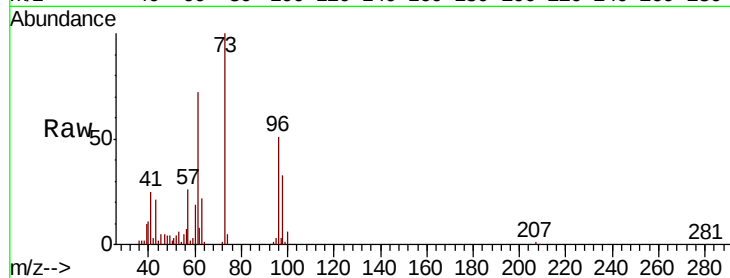




#19
Methvl tert-butvl Ether
Concen: 19.187 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

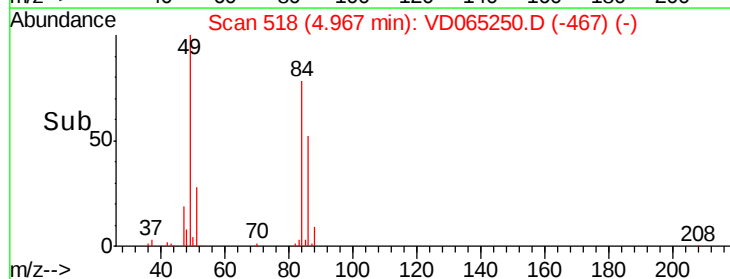
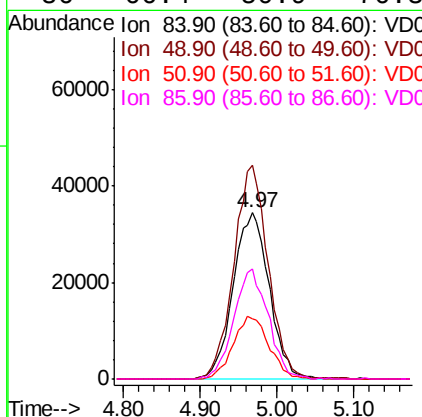
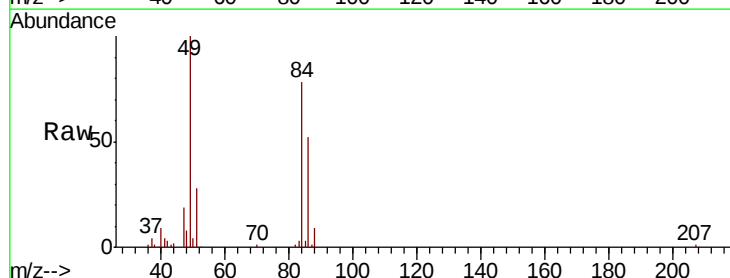
Instrument :
MSVOA_D
ClientSampleId :

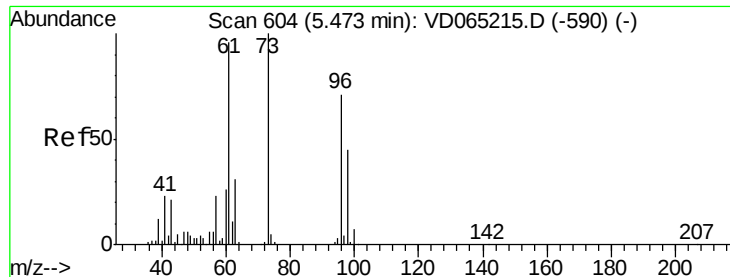
Tot Ion: 73 Resp: 184346
Ion Ratio Lower Upper
73 100
57 25.7 17.3 25.9



#20
Methylene Chloride
Concen: 20.428 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 84 Resp: 112644
Ion Ratio Lower Upper
84 100
49 128.7 103.1 154.7
51 36.2 31.7 47.5
86 66.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.785 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

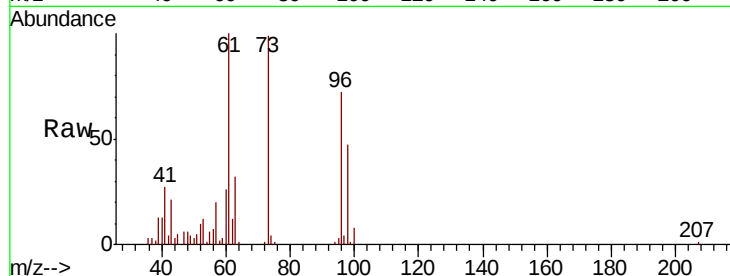
Tot Ion: 96 Resp: 103632

Ion Ratio Lower Upper

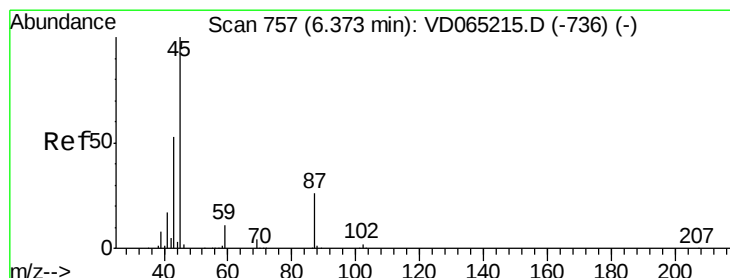
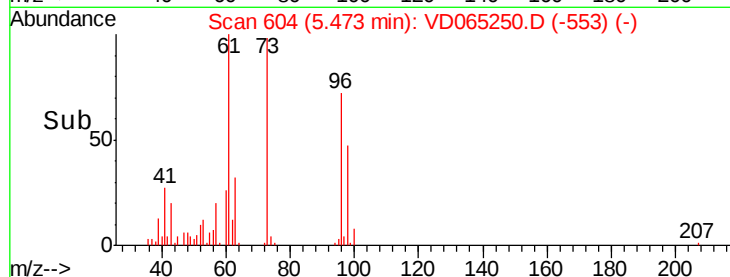
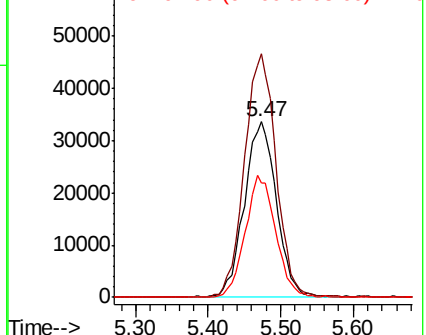
96 100

61 138.6 108.3 162.5

98 65.4 50.7 76.1



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: 19.927 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion: 45 Resp: 287420

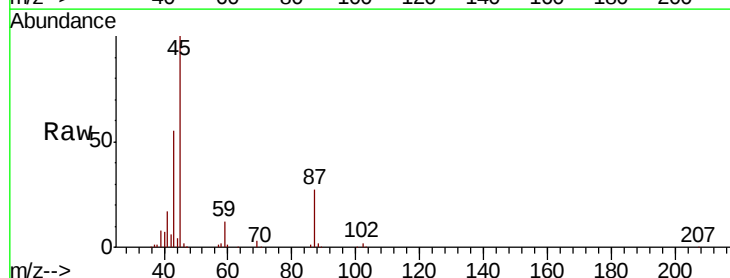
Ion Ratio Lower Upper

45 100

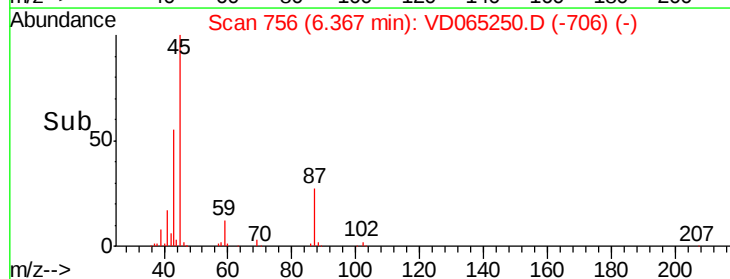
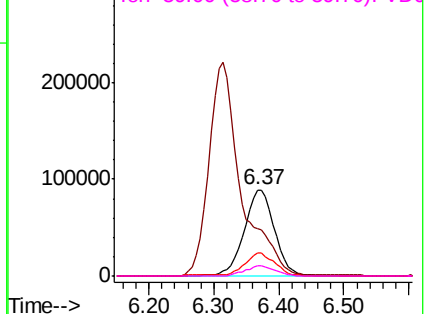
43 54.1 42.6 64.0

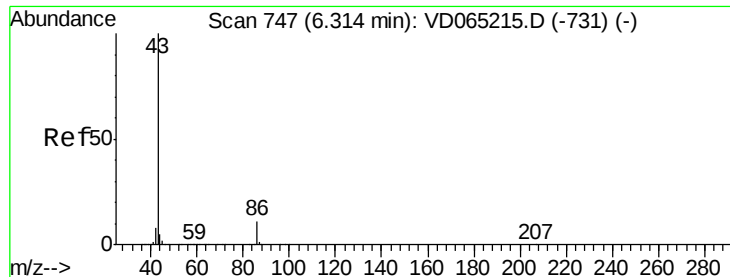
87 26.8 21.2 31.8

59 11.5 8.9 13.3



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: 95.241 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

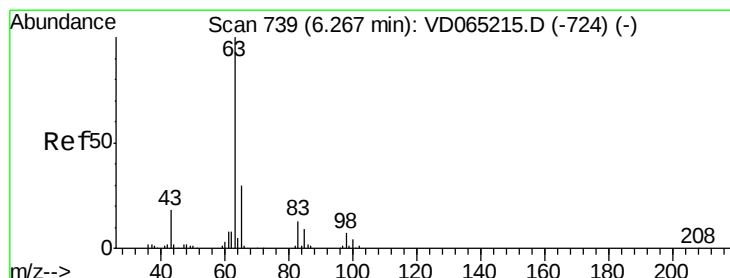
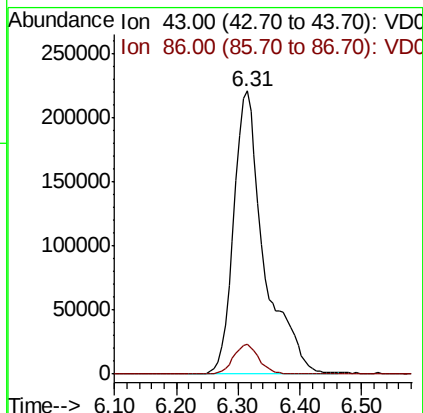
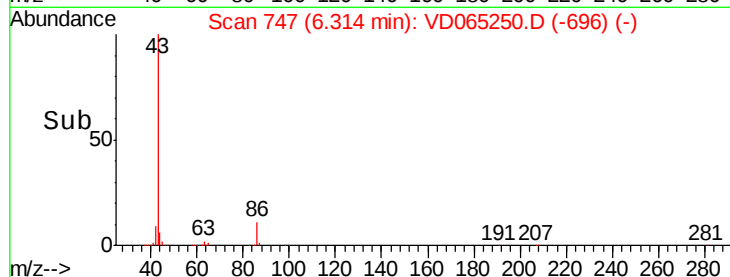
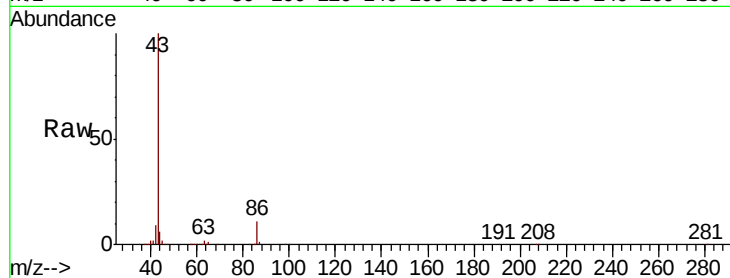
ClientSampled :

Tot Ion: 43 Resp: 757325

Ion Ratio Lower Upper

43 100

86 10.8 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.976 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

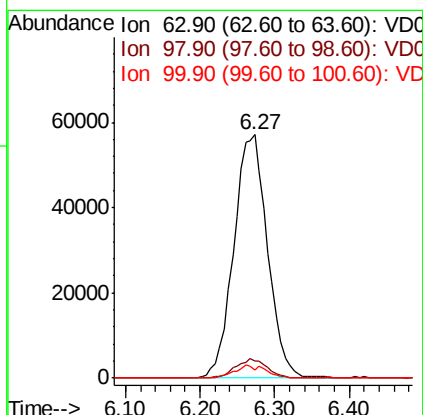
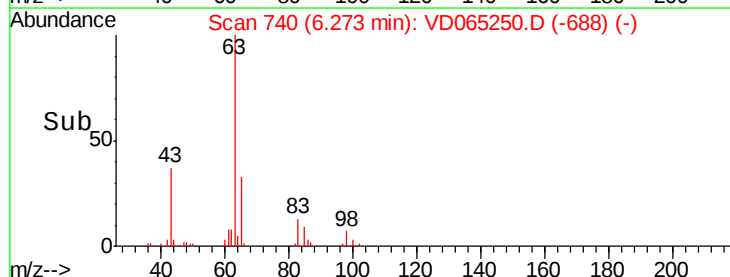
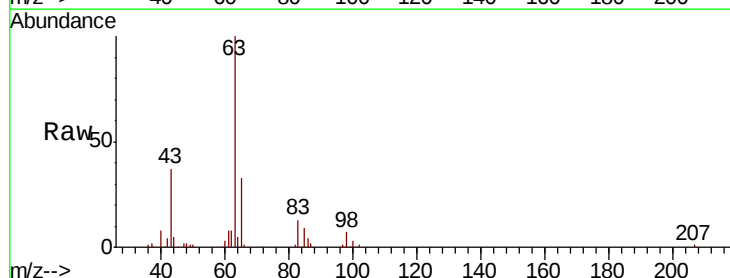
Tgt Ion: 63 Resp: 178710

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 3.3 2.3 6.8





#25

2-Butanone

Concen: 89.633 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

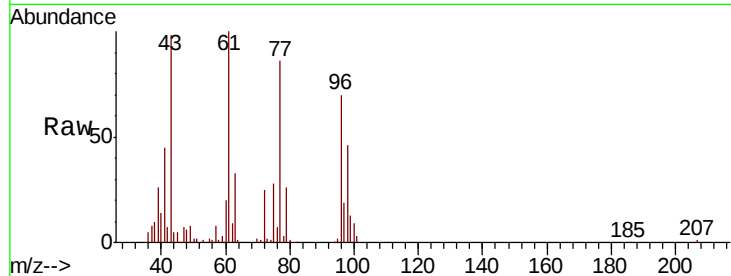
ClientSampled :

Tot Ion: 43 Resp: 123932

Ion Ratio Lower Upper

43 100

72 25.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

50000

40000

30000

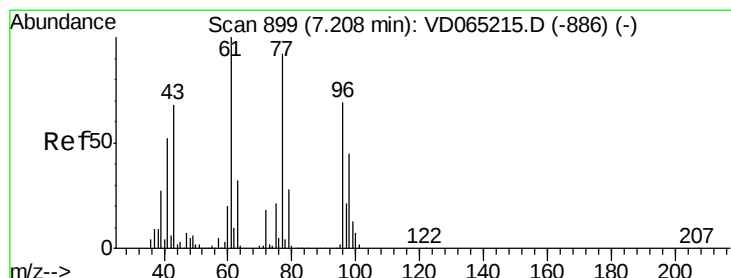
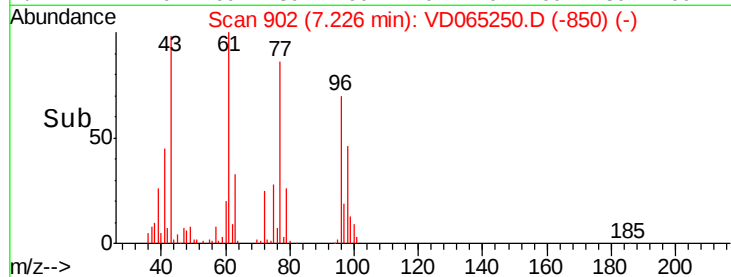
20000

10000

0

7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 19.755 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065250.D

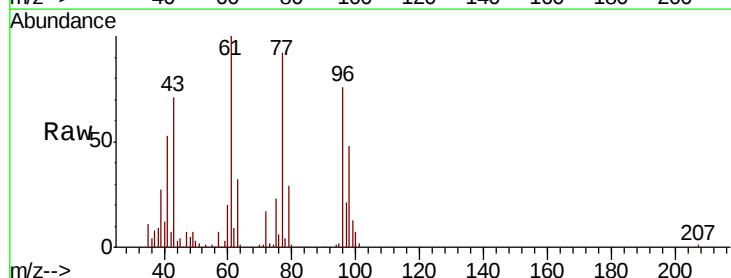
Acq: 20 Feb 2020 12:09

Tgt Ion: 77 Resp: 153345

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

60000

50000

40000

30000

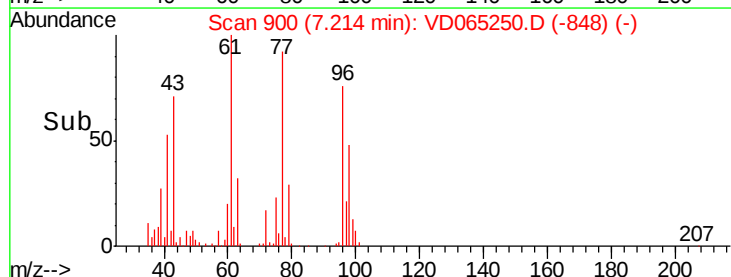
20000

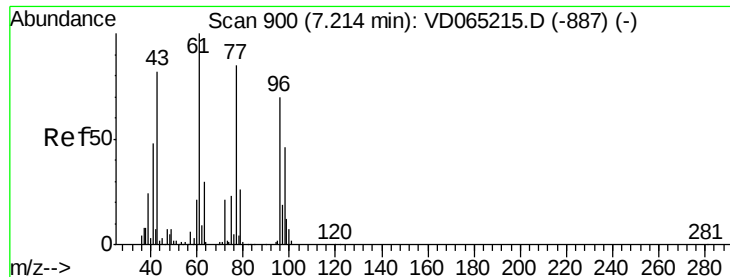
10000

0

7.10 7.20 7.30

Time-->



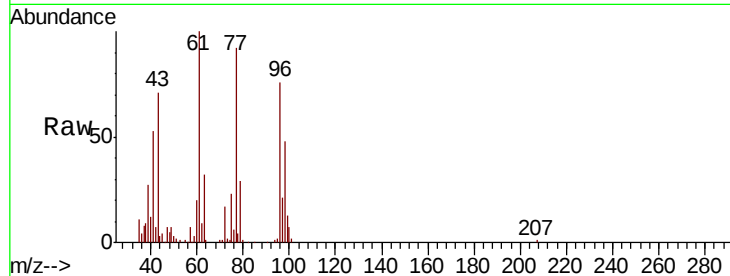


#27

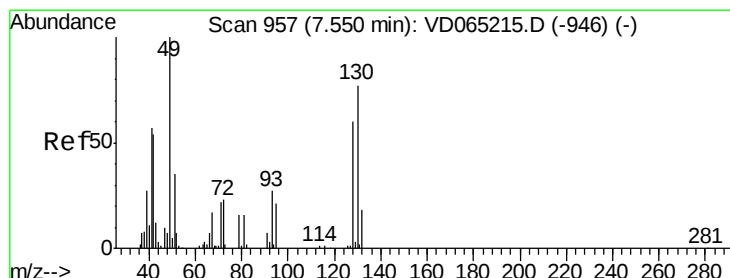
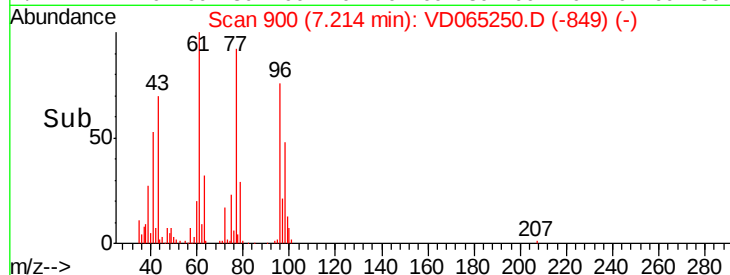
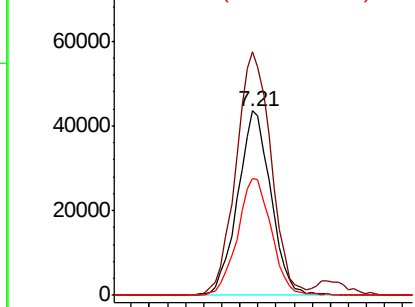
cis-1,2-Dichloroethene
 Concen: 19.972 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	110809
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	286.0
98	64.3	0.0	127.8



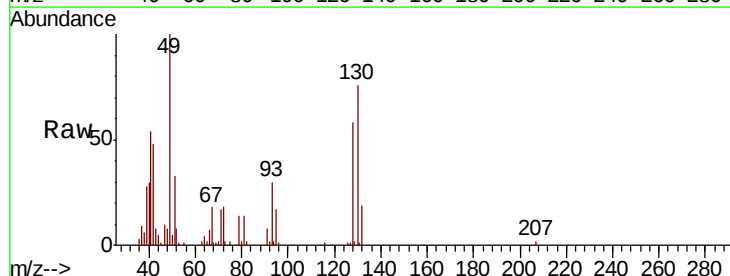
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



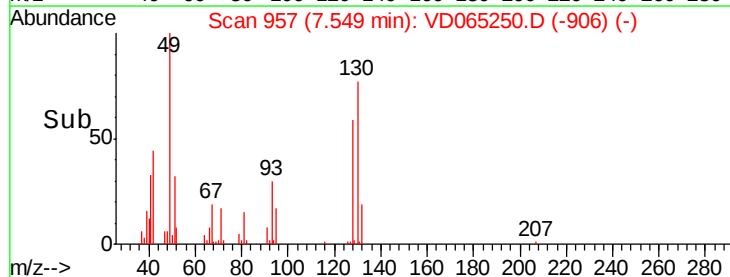
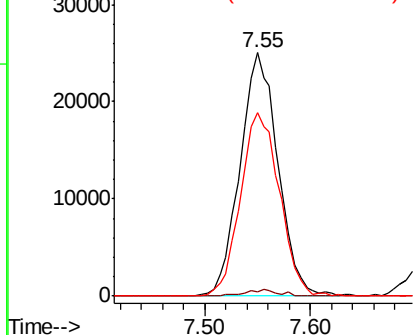
#28

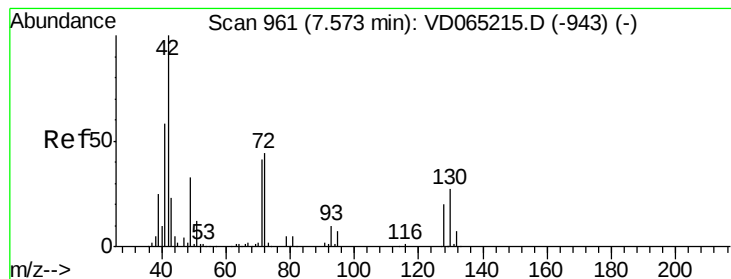
Bromochloromethane
 Concen: 18.807 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	49	Resp	62421
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	77.6	64.7	97.1



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





#29

Tetrahydrofuran

Concen: 100.320 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampled :

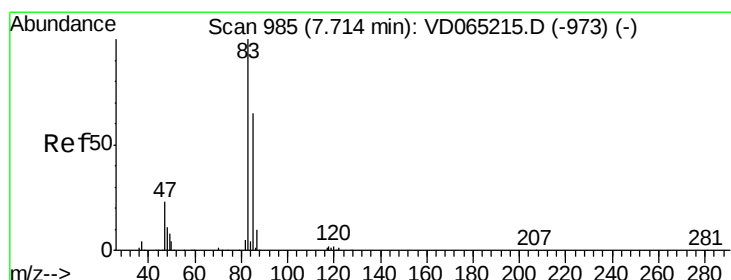
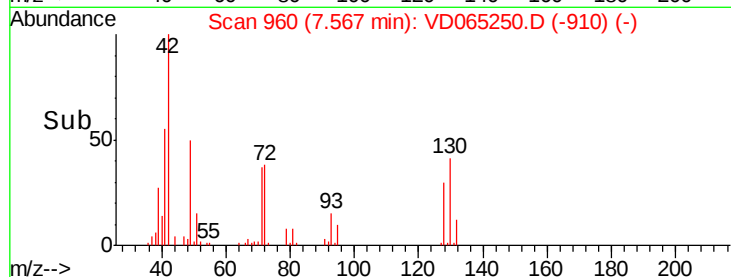
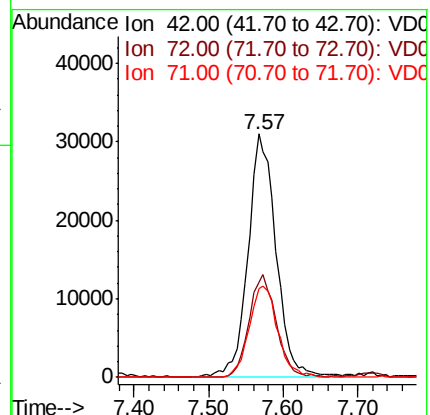
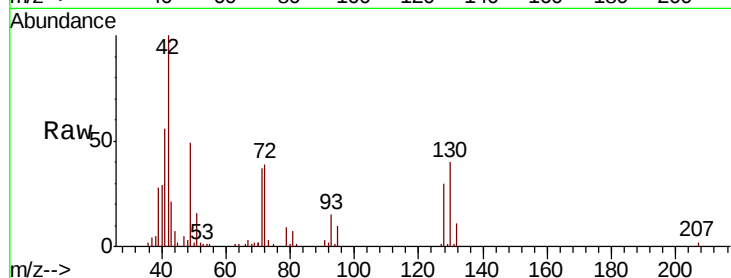
Tot Ion: 42 Resp: 81272

Ion Ratio Lower Upper

42 100

72 40.6 33.7 50.5

71 37.9 31.4 47.2



#30

Chloroform

Concen: 19.556 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065250.D

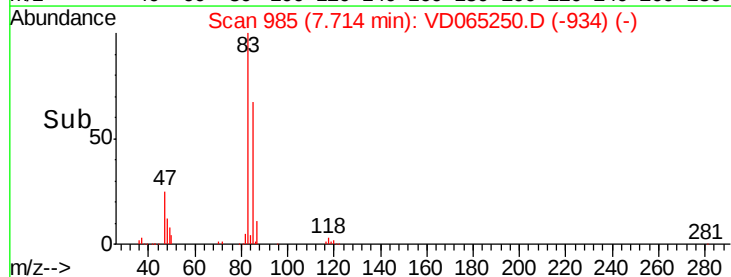
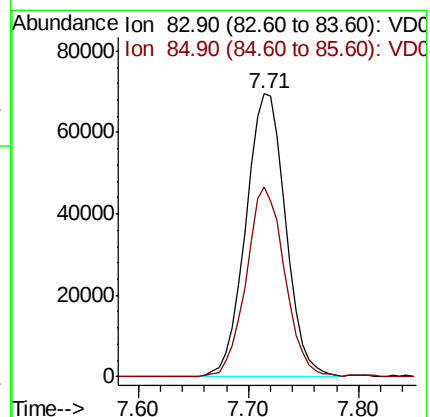
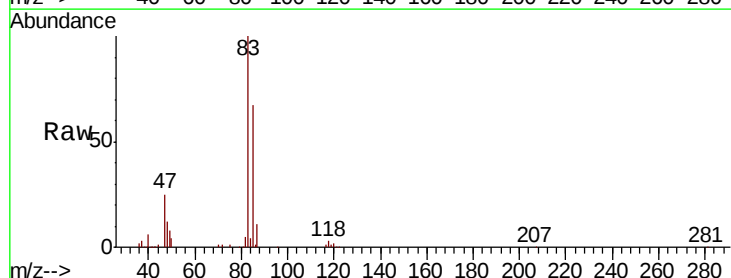
Acq: 20 Feb 2020 12:09

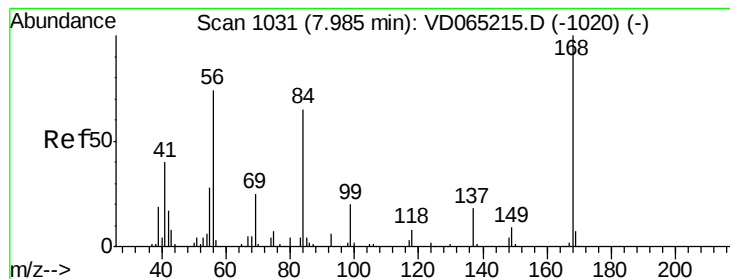
Tgt Ion: 83 Resp: 176264

Ion Ratio Lower Upper

83 100

85 67.2 52.3 78.5





#31

Cyclohexane

Concen: 18.571 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

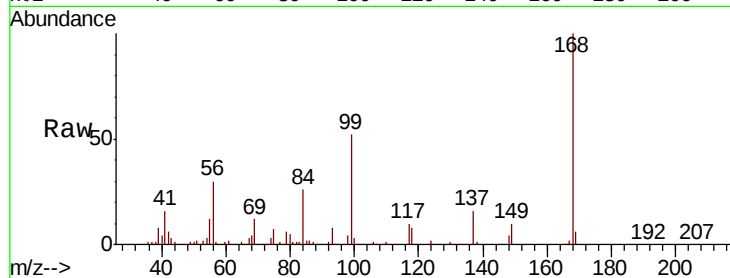
Tot Ion: 56 Resp: 163245

Ion Ratio Lower Upper

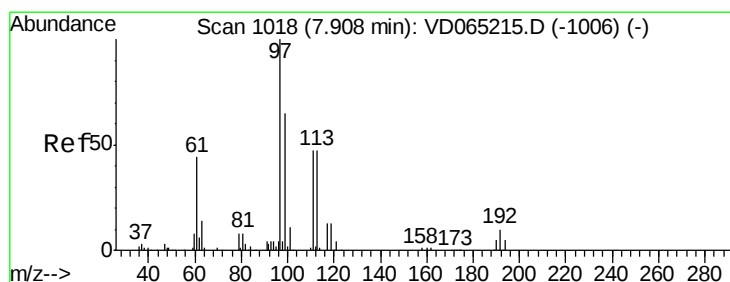
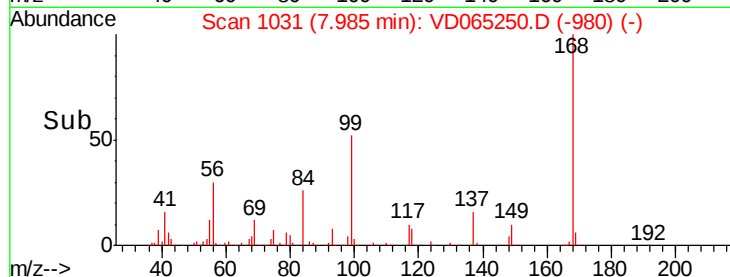
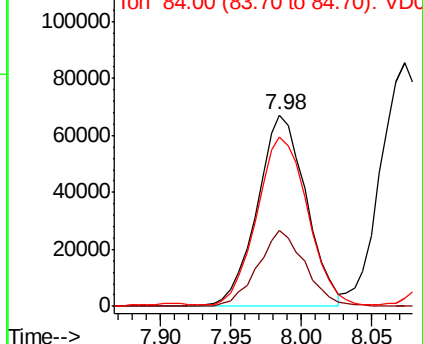
56 100

69 39.6 27.4 41.0

84 87.4 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 19.445 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

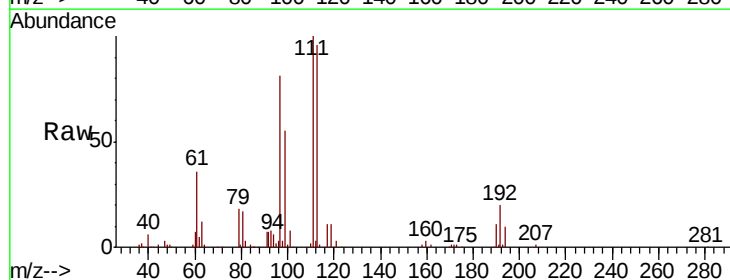
Tgt Ion: 97 Resp: 156814

Ion Ratio Lower Upper

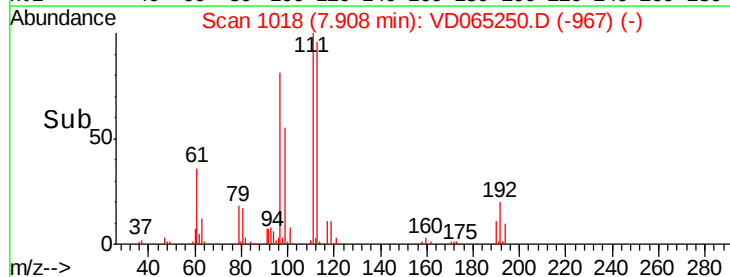
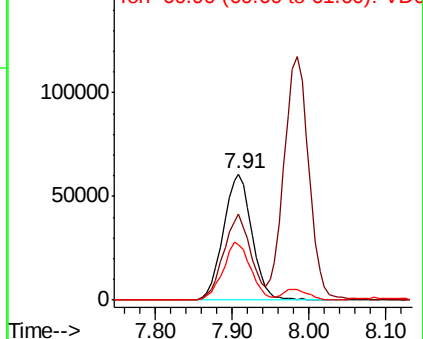
97 100

99 65.0 51.4 77.2

61 44.6 34.8 52.2



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

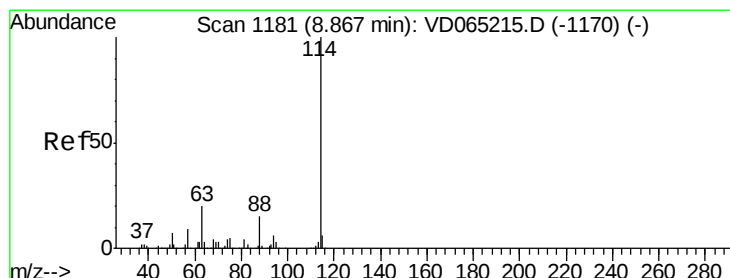
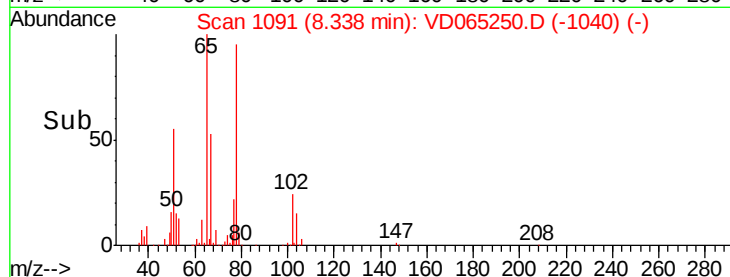
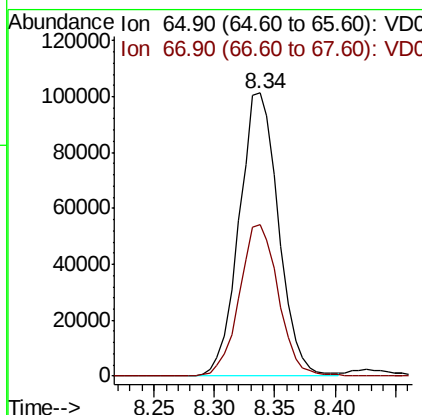
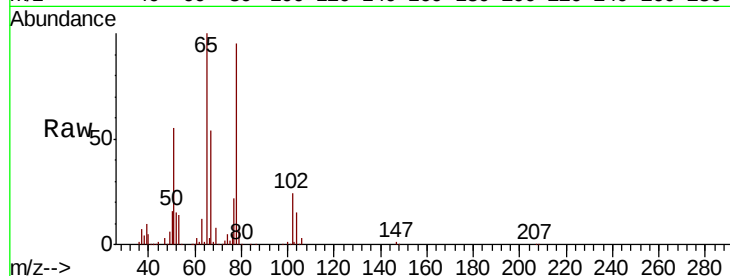




#33
 1,2-Dichloroethane-d4
 Concen: 51.479 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

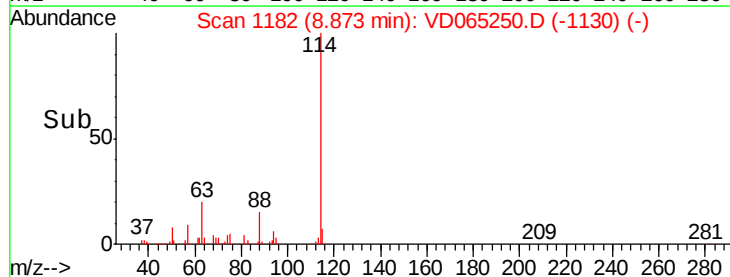
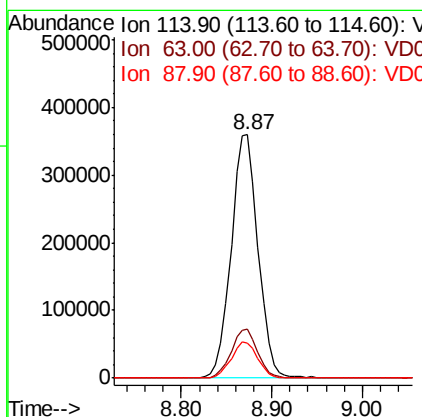
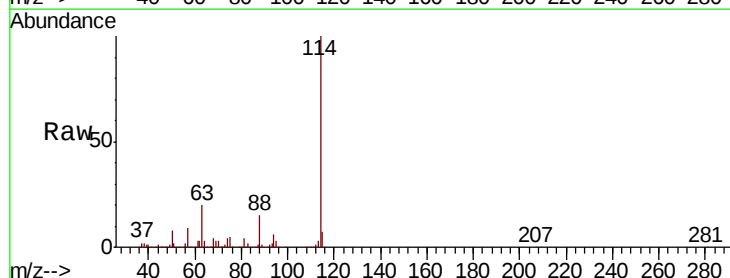
Instrument :
 MSVOA_D
 ClientSampleId :

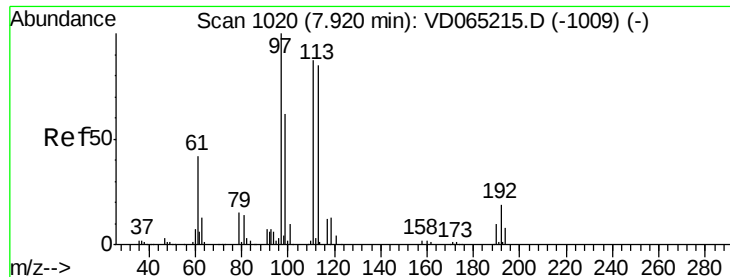
Tot Ion: 65 Resp: 230139
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 114 Resp: 742167
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.5 0.0 30.4

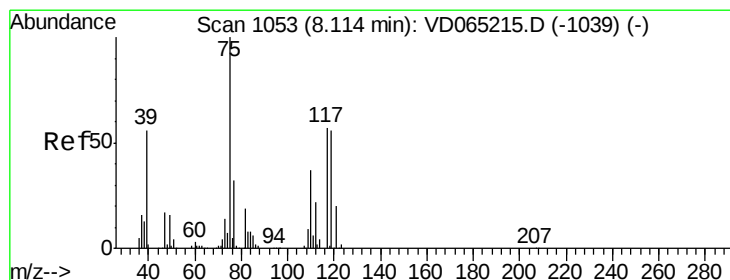
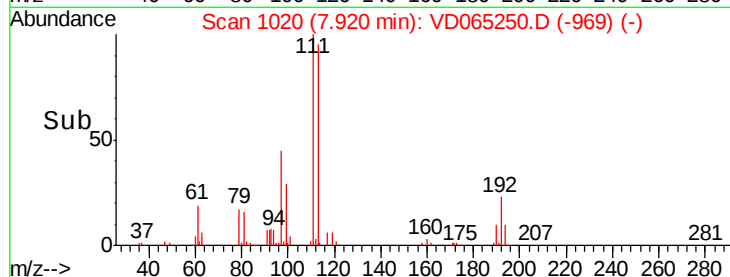
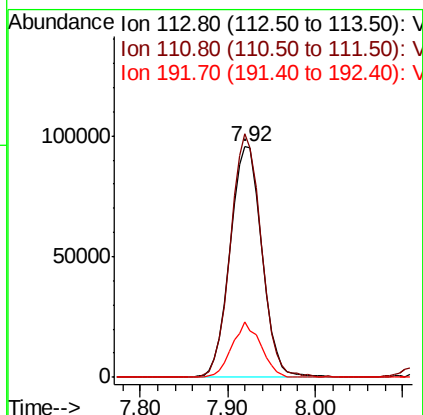
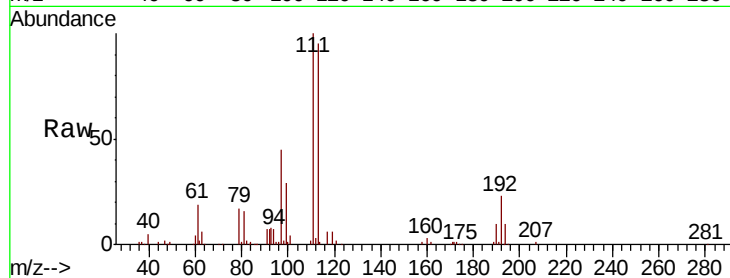




#35
 Dibromofluoromethane
 Concen: 52.148 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

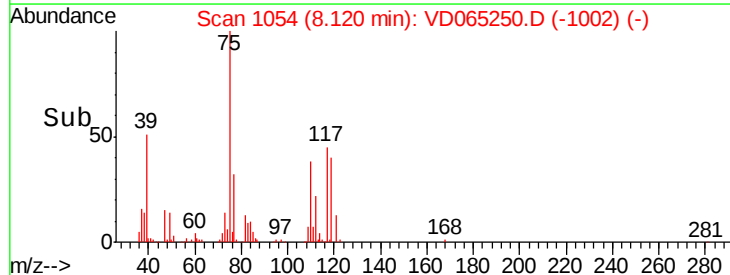
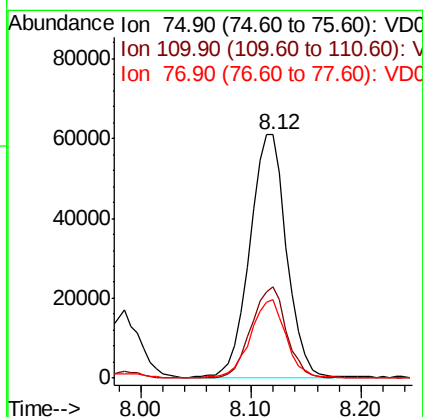
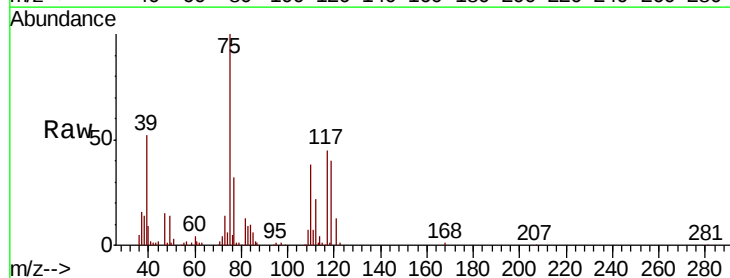
Instrument :
 MSVOA_D
 ClientSampleId :

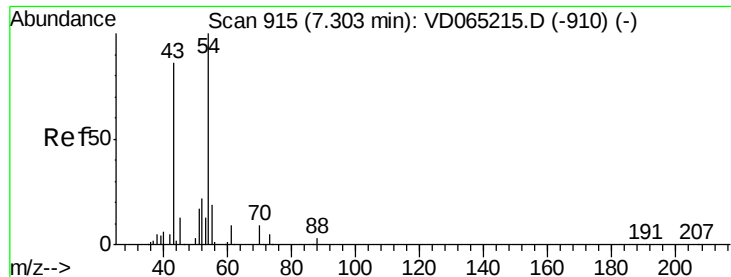
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	21.7	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 19.660 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	31.5	25.1	37.7

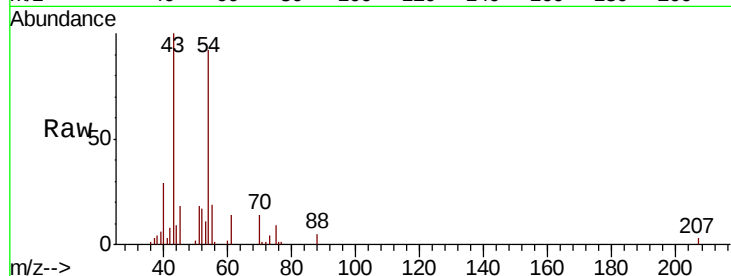




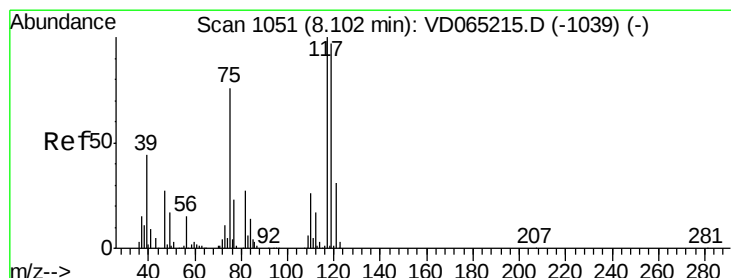
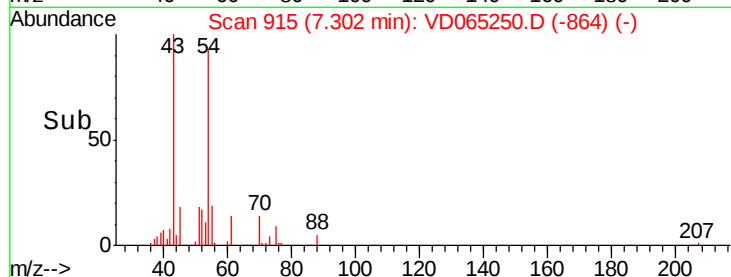
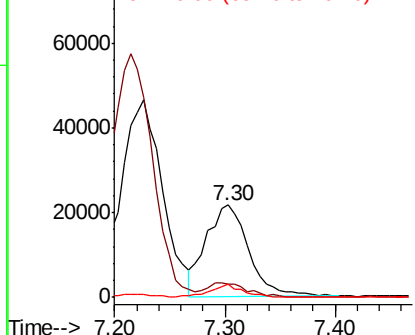
#37
Ethyl Acetate
Concen: 19.019 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 57416
Ion Ratio Lower Upper
43 100
61 15.2 11.2 16.8
70 11.1 8.2 12.2

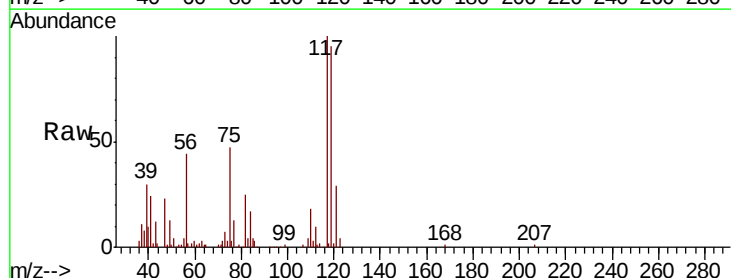


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

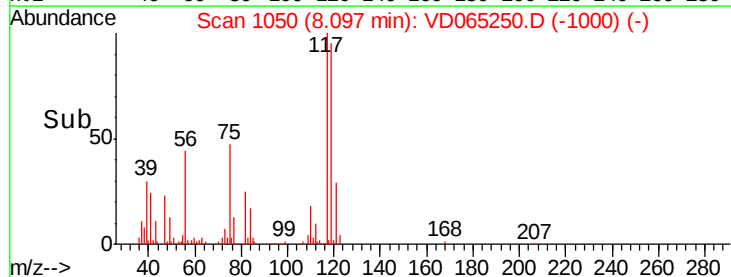
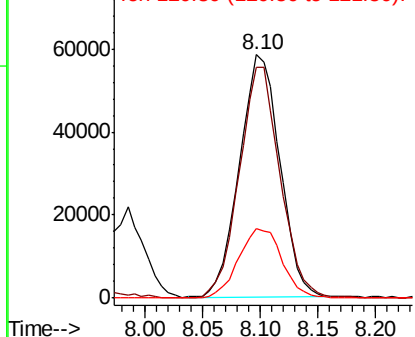


#38
Carbon Tetrachloride
Concen: 19.314 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 117 Resp: 141981
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4
121 28.9 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

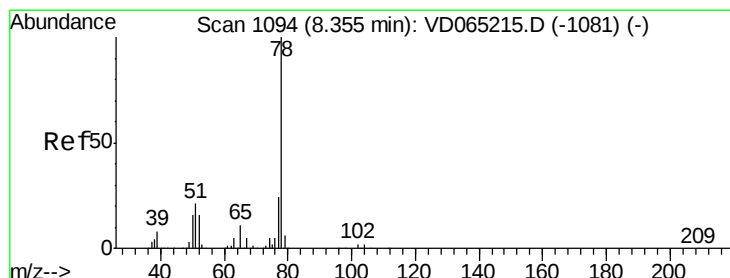
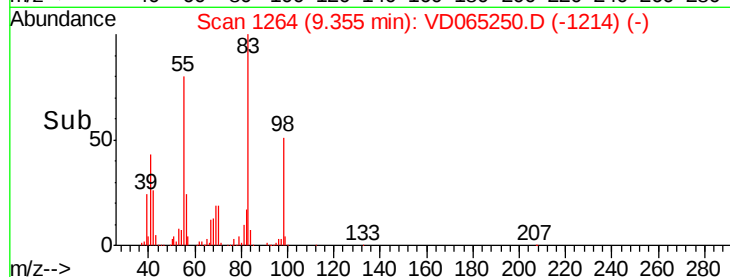
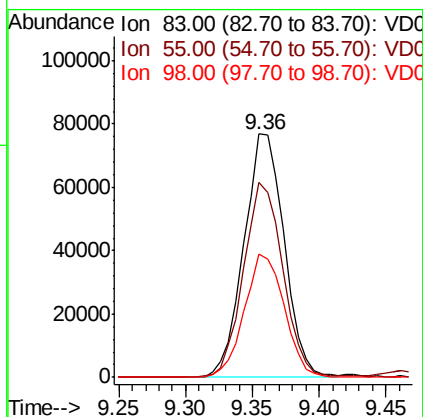
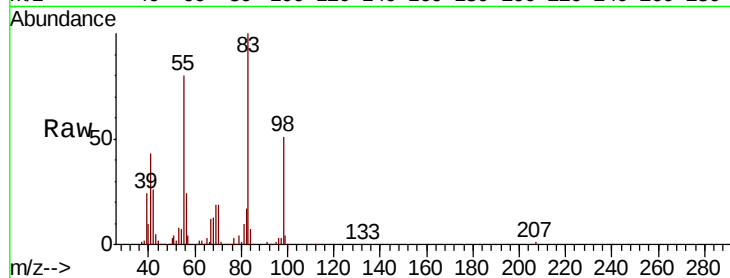




#39
Methvlcvclohexane
Concen: 18.912 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

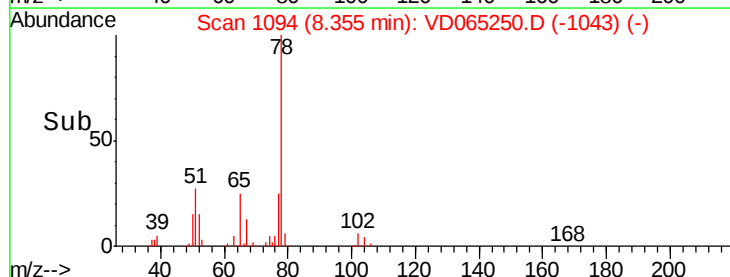
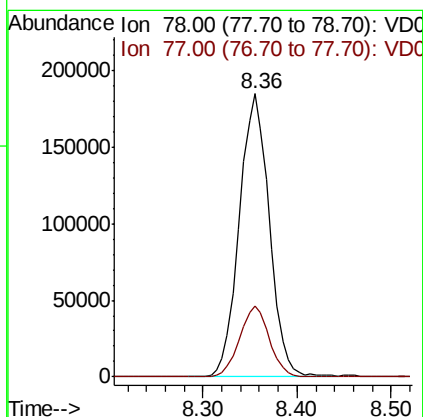
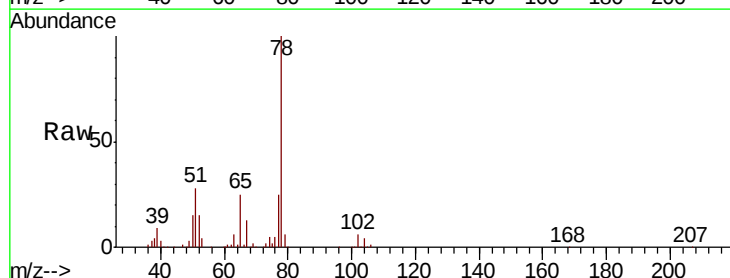
Instrument :
MSVOA_D
ClientSampled :

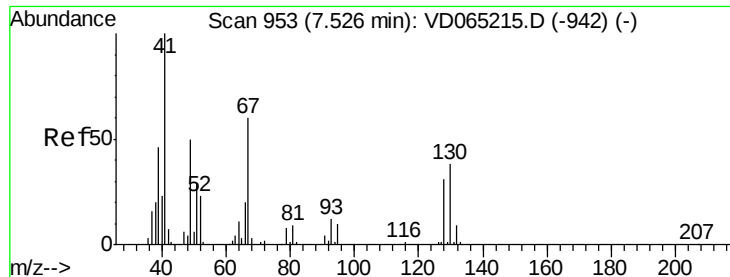
Tot Ion: 83 Resp: 160554
Ion Ratio Lower Upper
83 100
55 79.9 61.8 92.6
98 50.6 39.4 59.0



#40
Benzene
Concen: 20.113 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 78 Resp: 409954
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6

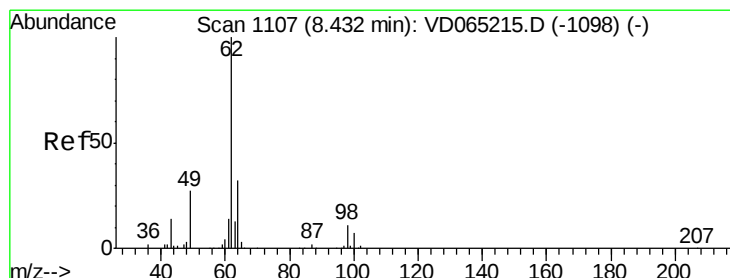
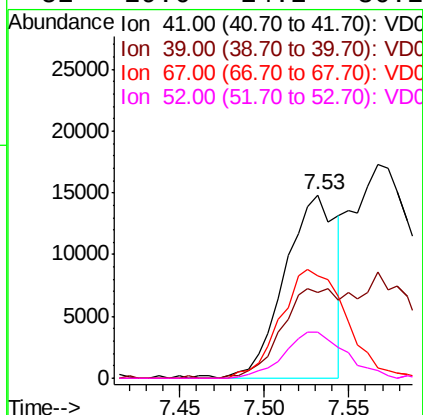
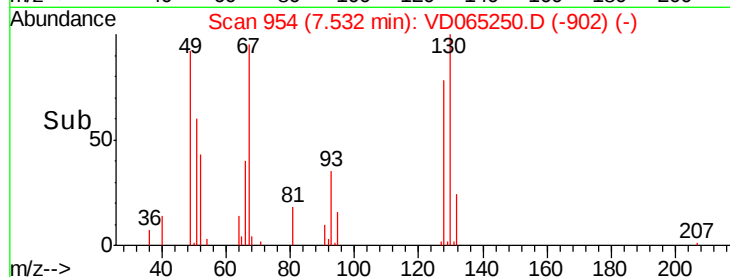
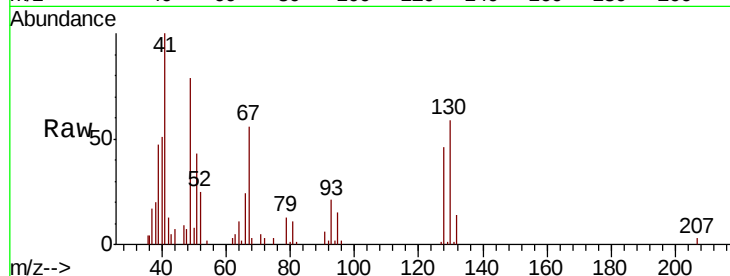




#41
Methacrylonitrile
Concen: 18.249 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

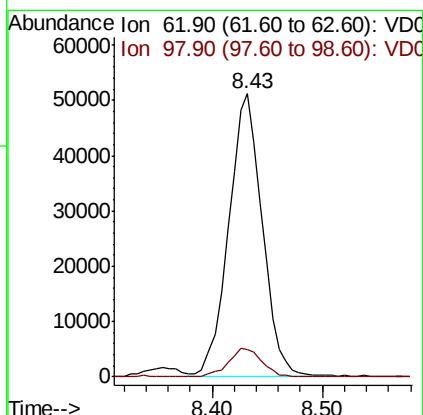
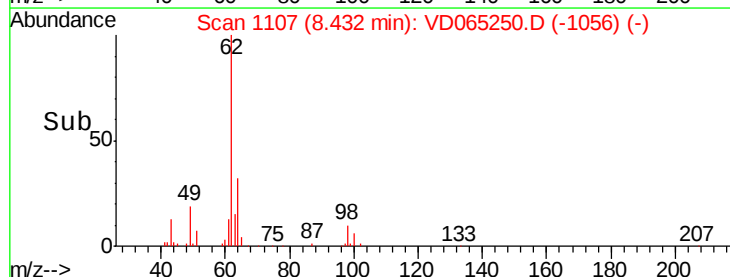
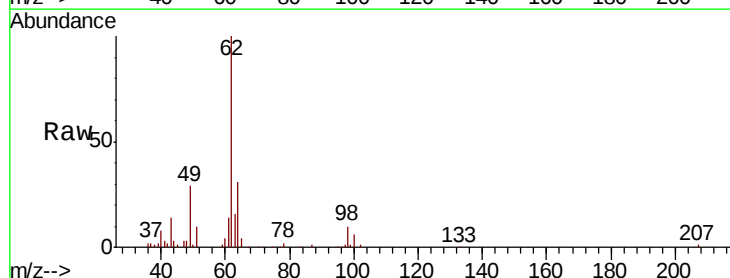
Instrument :
MSVOA_D
ClientSampleId :

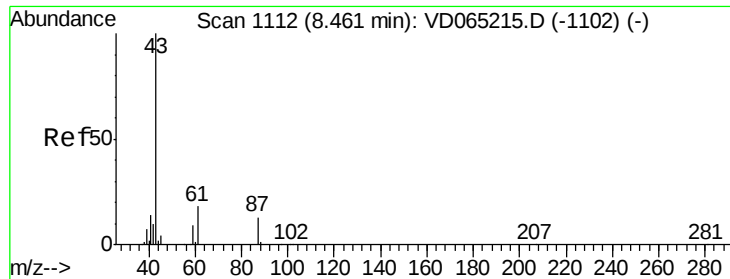
Tot Ion:	41	Resp:	31809
Ion	Ratio	Lower	Upper
41	100		
39	52.3	48.1	72.1
67	74.6	58.9	88.3
52	29.6	24.2	36.2



#42
1,2-Dichloroethane
Concen: 19.542 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:	62	Resp:	109502
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.097 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

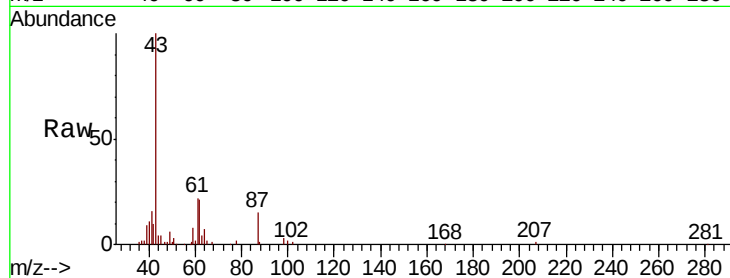
Tot Ion: 43 Resp: 104838

Ion Ratio Lower Upper

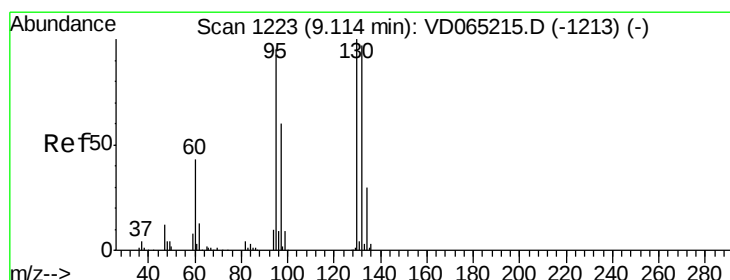
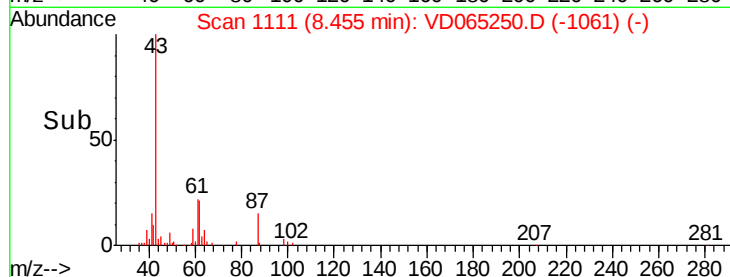
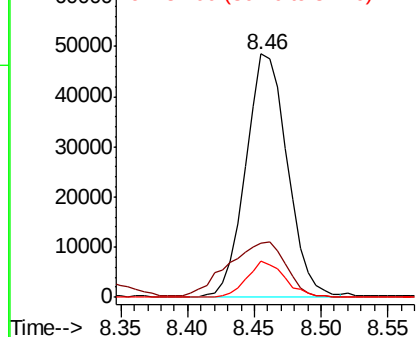
43 100

61 31.8 24.6 36.8

87 13.2 10.6 16.0



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: 20.053 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065250.D

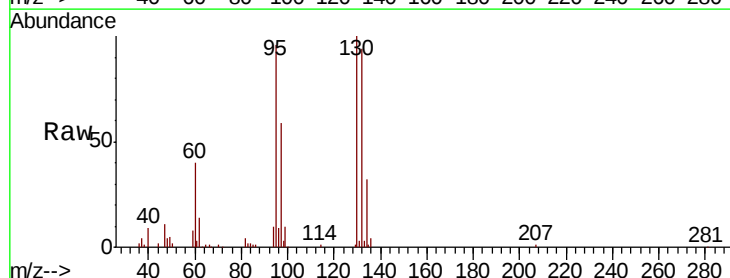
Acq: 20 Feb 2020 12:09

Tgt Ion:130 Resp: 113298

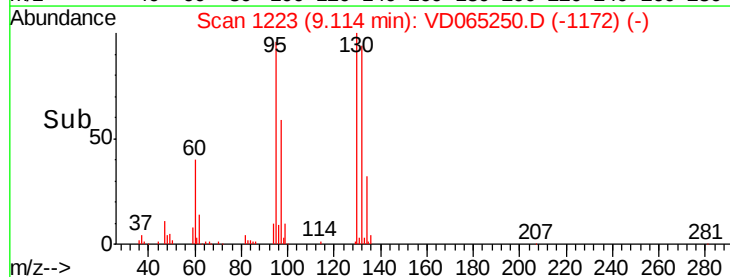
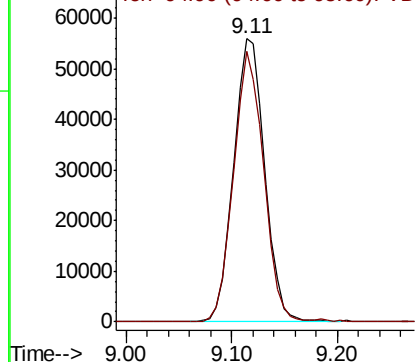
Ion Ratio Lower Upper

130 100

95 95.7 0.0 190.6



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





#45

1,2-Dichloropropane

Concen: 19.543 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

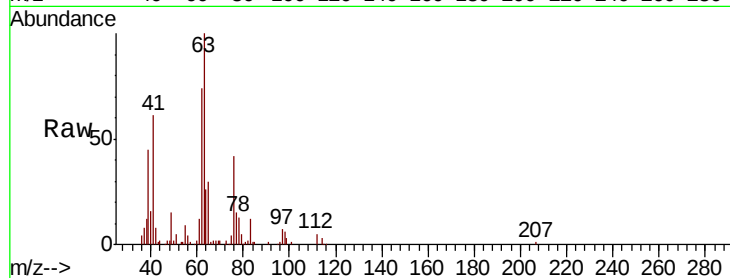
ClientSampled :

Tot Ion: 63 Resp: 99053

Ion Ratio Lower Upper

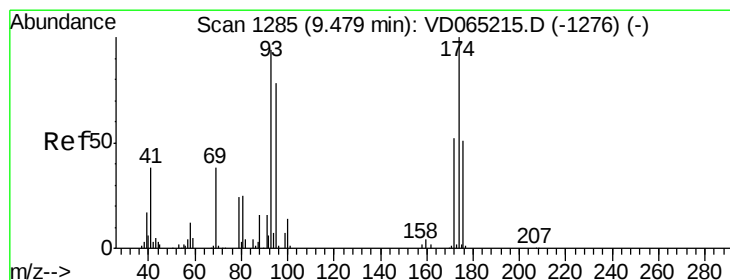
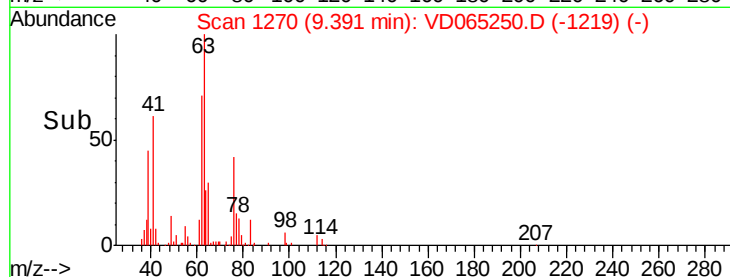
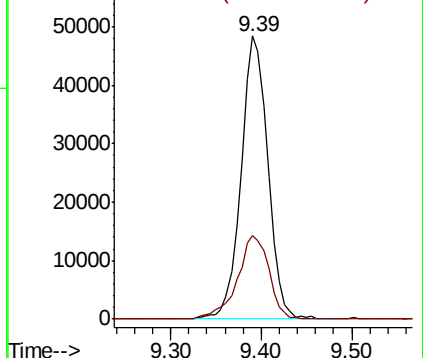
63 100

65 29.7 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.092 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

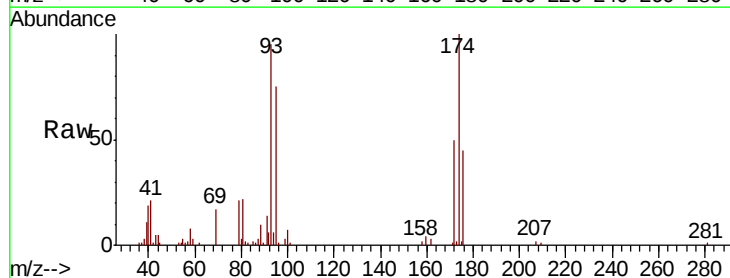
Tgt Ion: 93 Resp: 52395

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

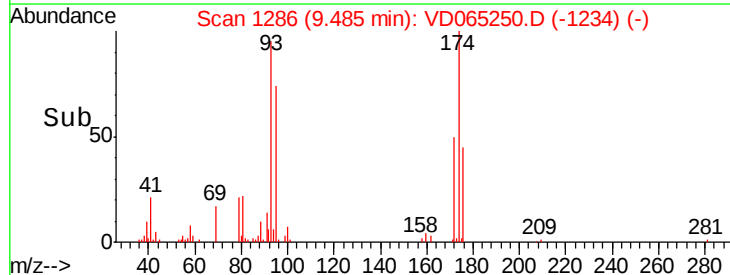
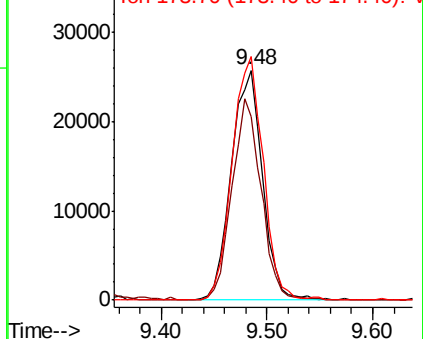
174 105.2 86.8 130.2

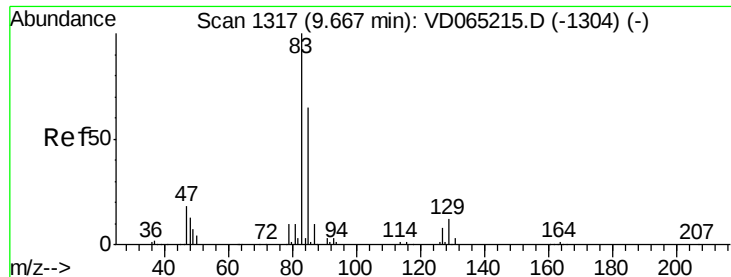


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

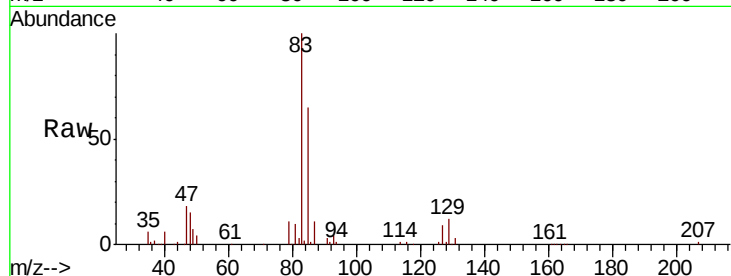




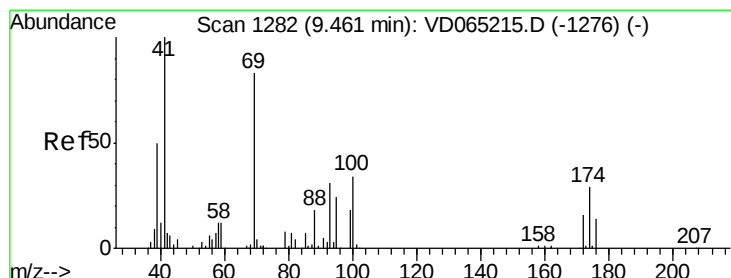
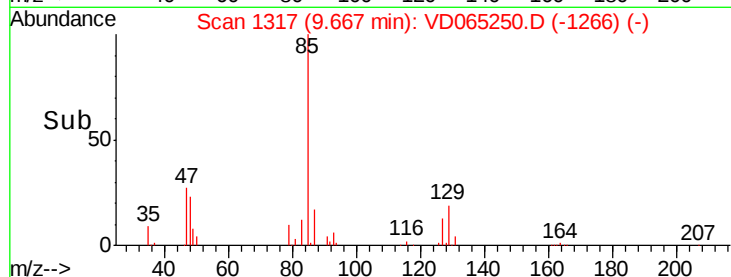
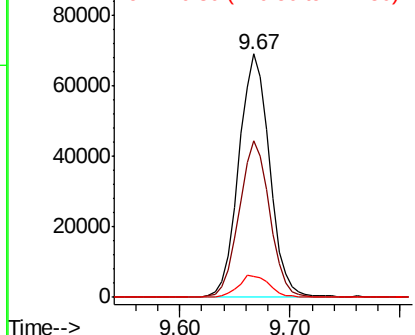
#47
Bromodichloromethane
Concen: 19.727 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 135570
Ion Ratio Lower Upper
83 100
85 64.5 52.0 78.0
127 8.6 6.7 10.1

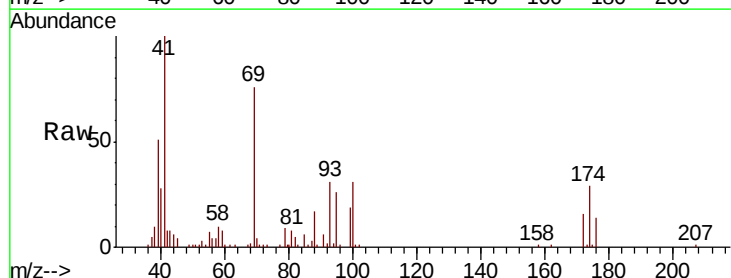


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

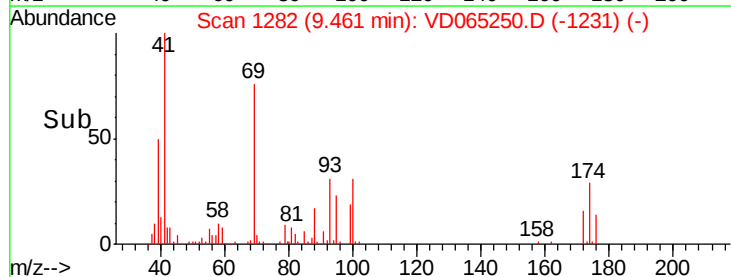
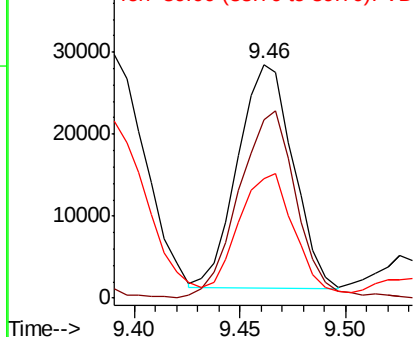


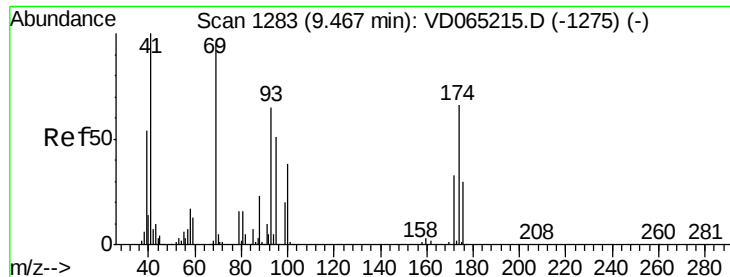
#48
Methyl methacrylate
Concen: 19.532 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 41 Resp: 49563
Ion Ratio Lower Upper
41 100
69 87.7 68.2 102.2
39 52.3 42.0 63.0



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

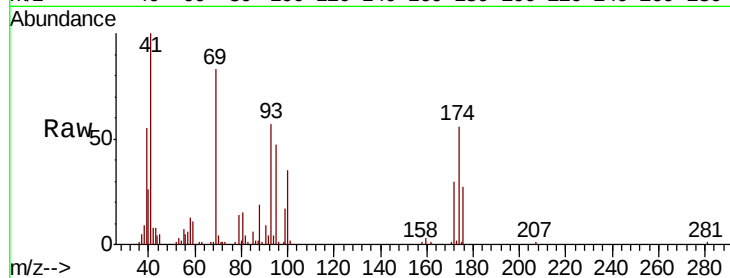




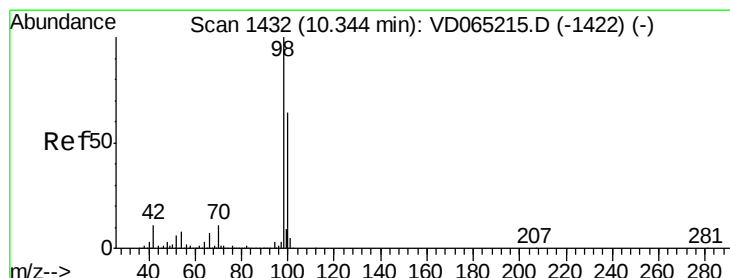
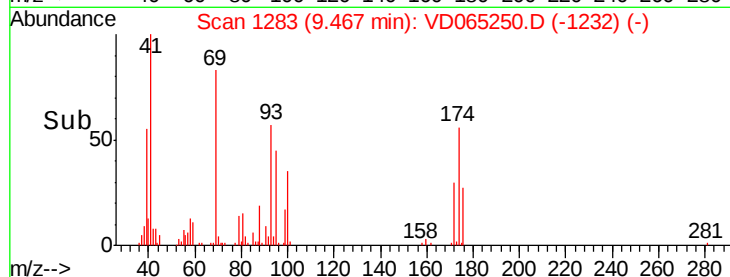
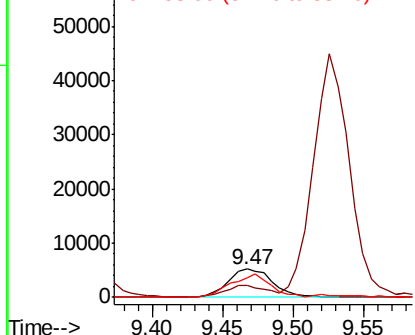
#49
1,4-Dioxane
Concen: 379.071 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11594
Ion Ratio Lower Upper
88 100
43 39.9 28.5 42.7
58 74.2 58.6 87.8

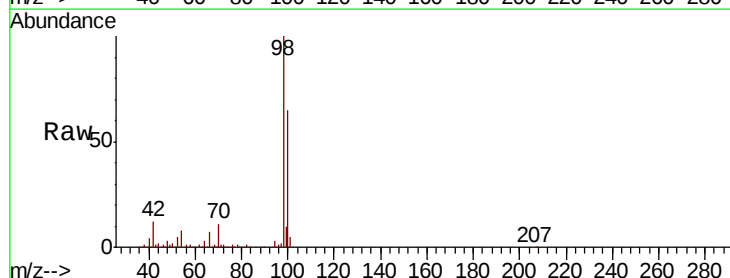


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

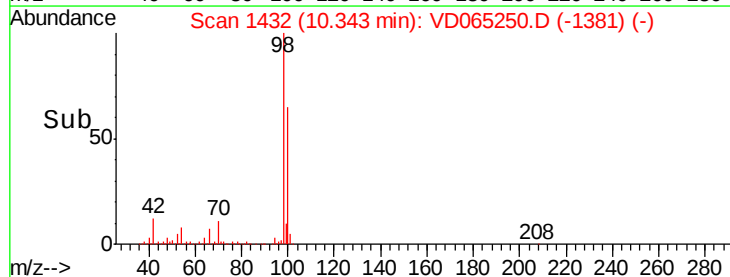
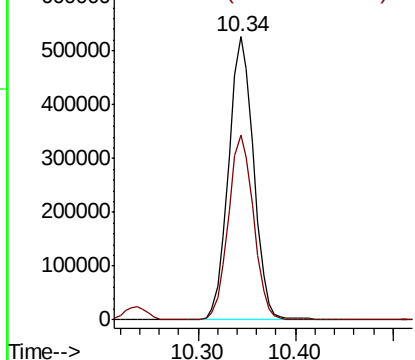


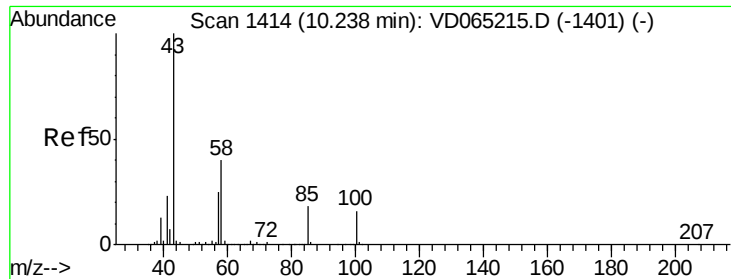
#50
Toluene-d8
Concen: 54.222 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 98 Resp: 938028
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



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: 96.145 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

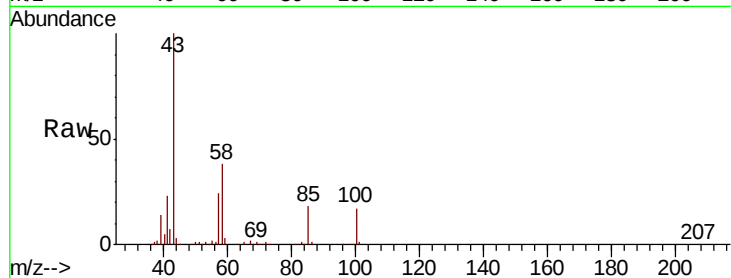
ClientSampleId :

Tot Ion: 43 Resp: 268080

Ion Ratio Lower Upper

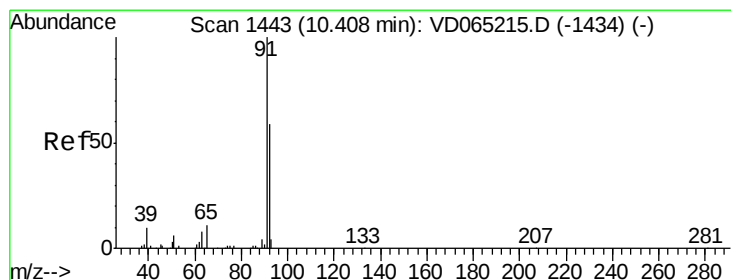
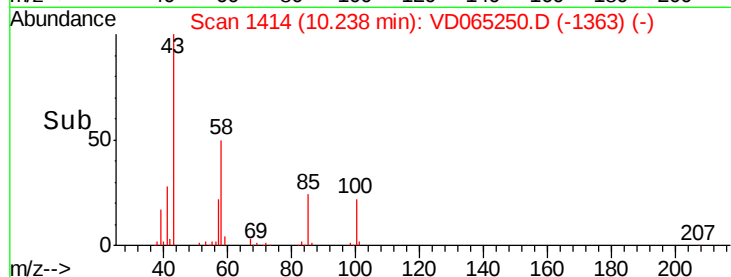
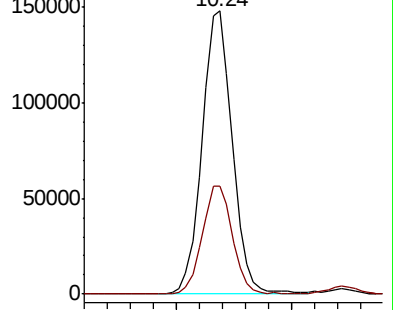
43 100

58 38.2 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.523 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065250.D

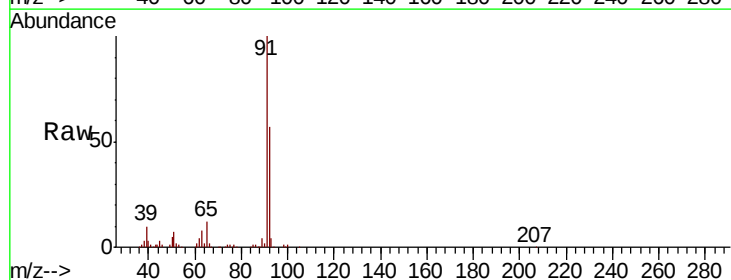
Acq: 20 Feb 2020 12:09

Tgt Ion: 92 Resp: 258928

Ion Ratio Lower Upper

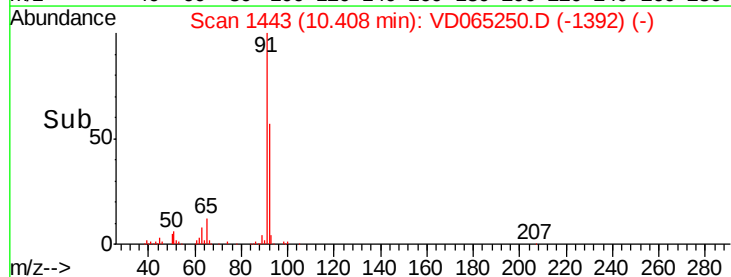
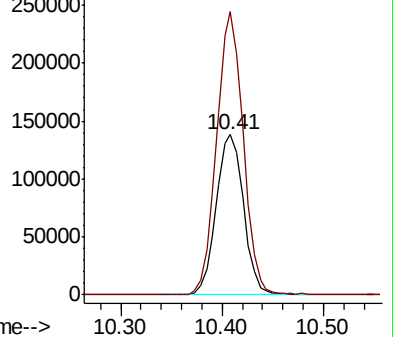
92 100

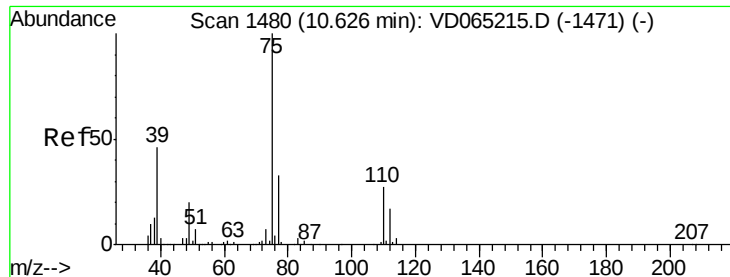
91 171.5 136.3 204.5



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: 19.353 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

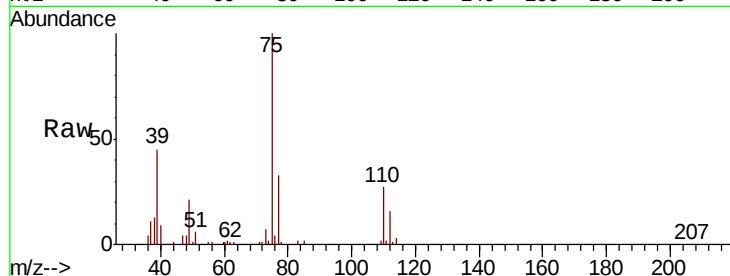
ClientSampleId :

Tot Ion: 75 Resp: 123278

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

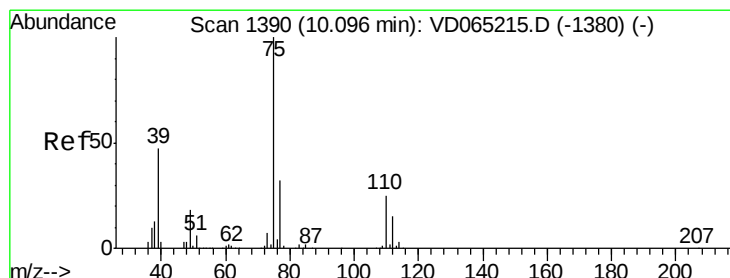
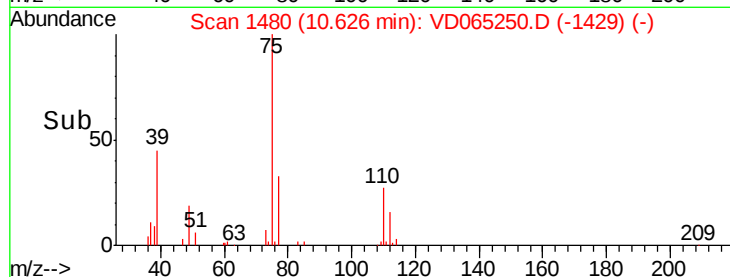
40000

20000

0

Time-->

10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.778 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

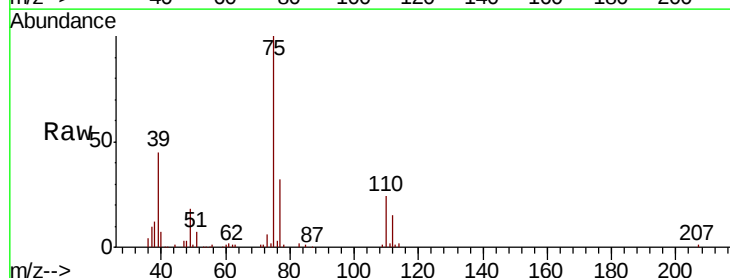
Tgt Ion: 75 Resp: 152137

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 45.2 37.3 55.9



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

10.10

100000

80000

60000

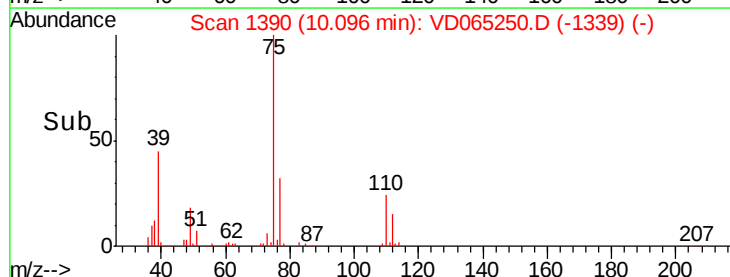
40000

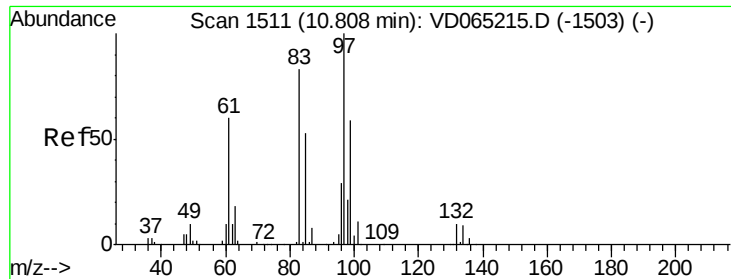
20000

0

Time-->

10.00 10.10 10.20

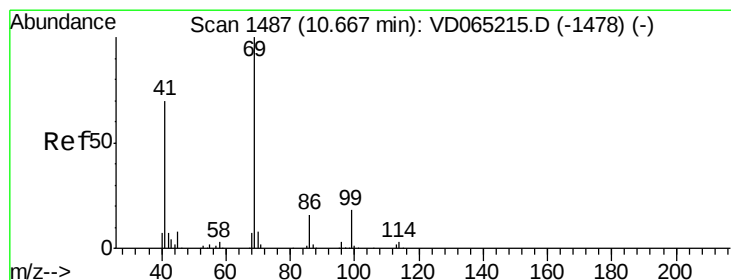
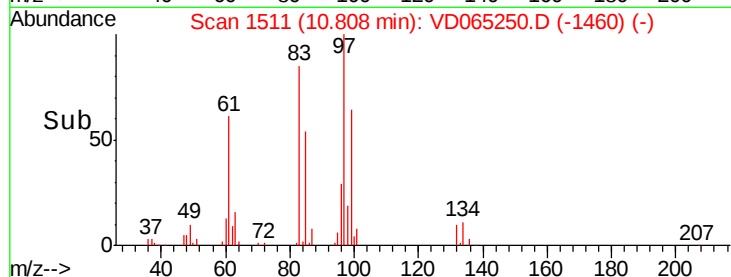
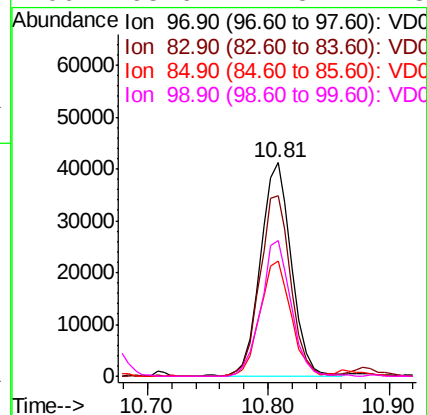
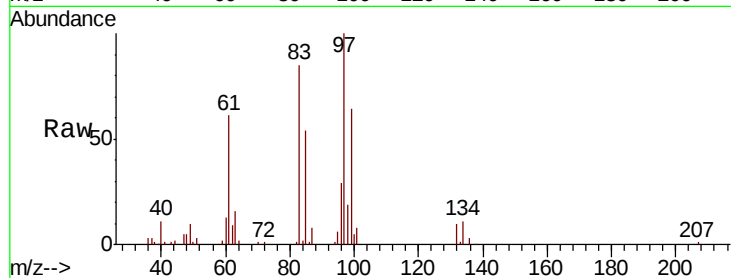




#55
 1,1,2-Trichloroethane
 Concen: 20.063 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

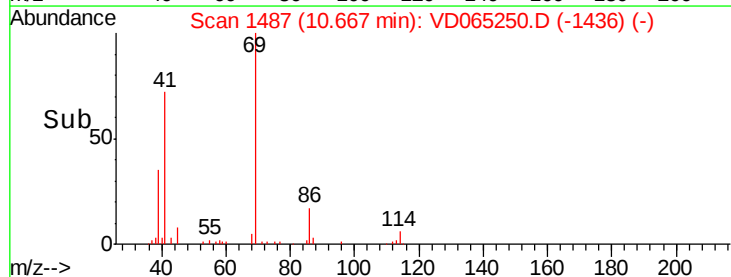
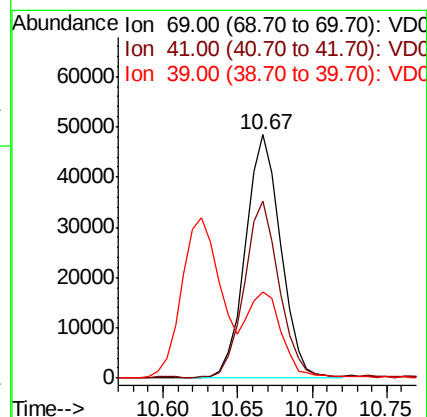
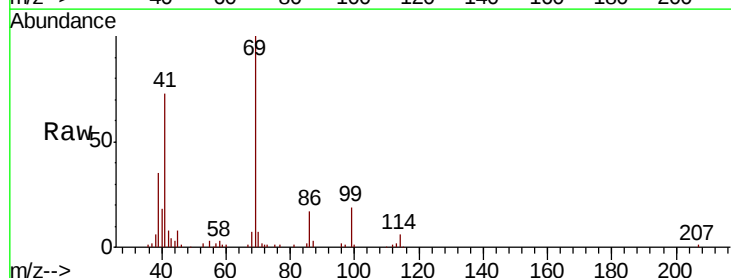
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 73640
 Ion Ratio Lower Upper
 97 100
 83 84.7 66.7 100.1
 85 53.8 42.4 63.6
 99 63.6 47.5 71.3



#56
 Ethyl methacrylate
 Concen: 18.697 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 69 Resp: 79212
 Ion Ratio Lower Upper
 69 100
 41 72.5 54.6 81.8
 39 35.4 26.5 39.7





#57

1,3-Dichloropropane

Concen: 20.020 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

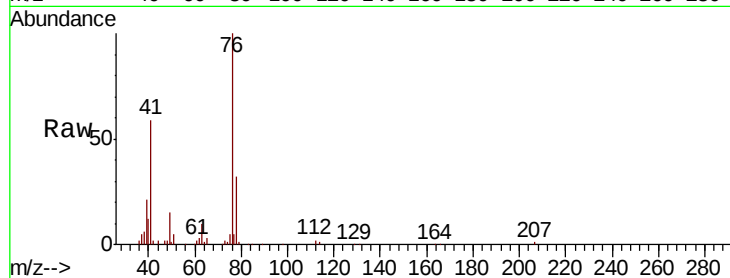
ClientSampleId :

Tot Ion: 76 Resp: 125063

Ion Ratio Lower Upper

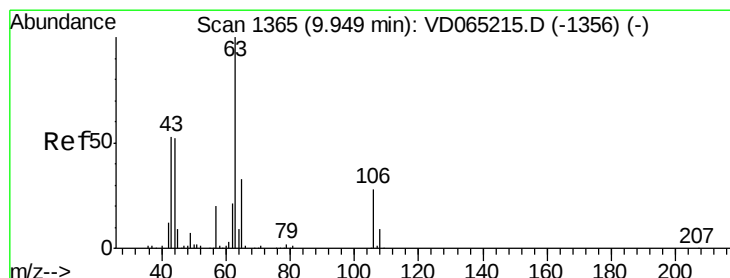
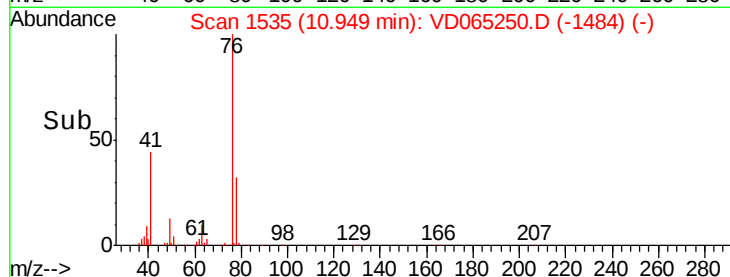
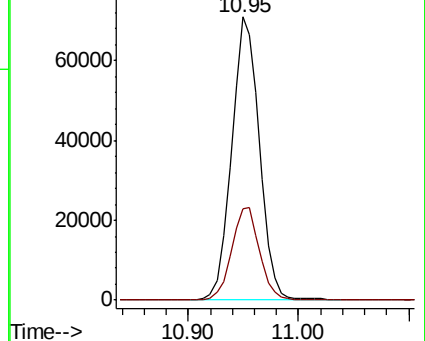
76 100

78 33.0 26.3 39.5



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: 98.375 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065250.D

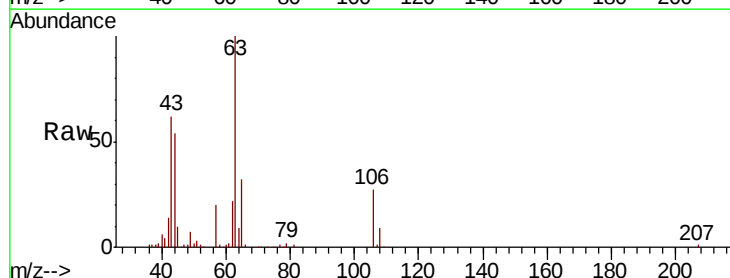
Acq: 20 Feb 2020 12:09

Tgt Ion: 63 Resp: 131395

Ion Ratio Lower Upper

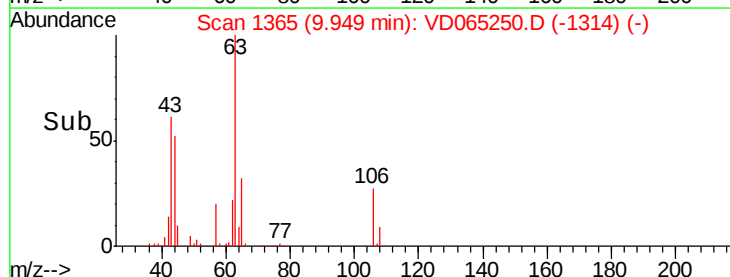
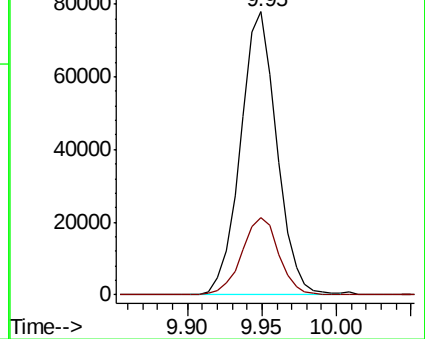
63 100

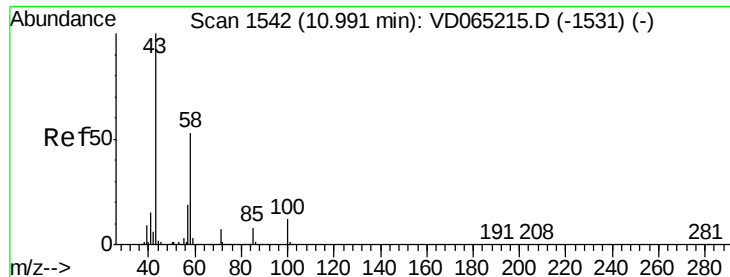
106 27.7 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

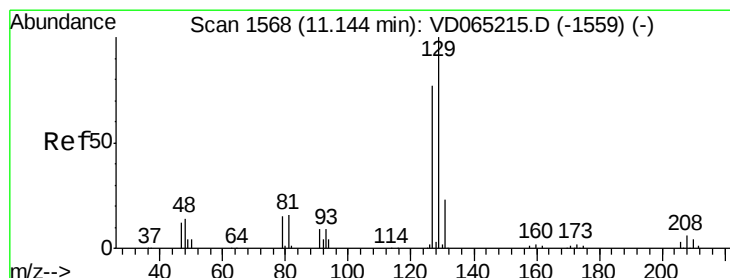
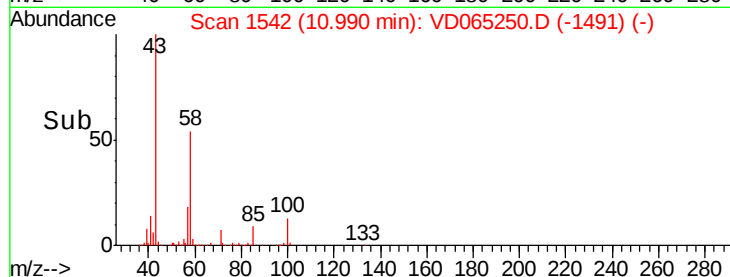
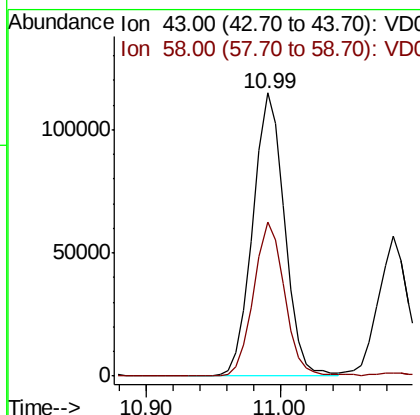
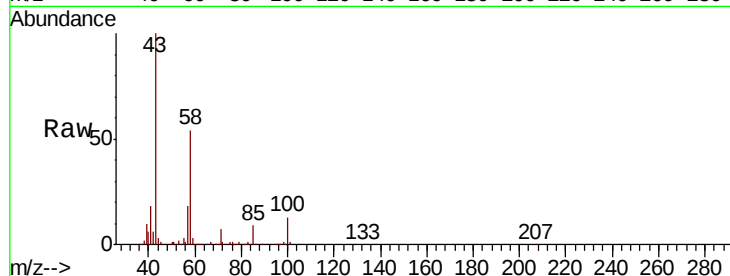




#59
2-Hexanone
Concen: 94.386 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

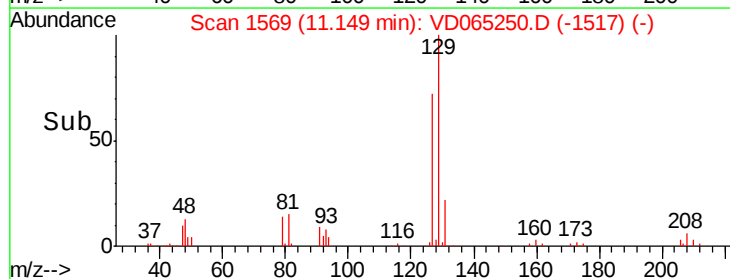
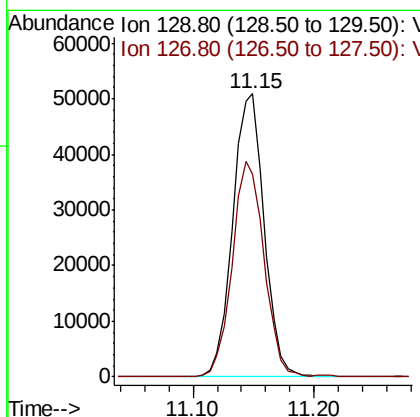
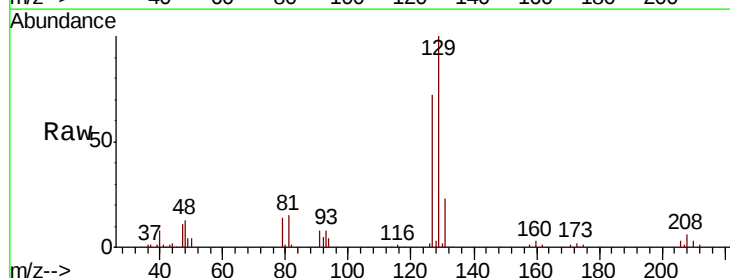
Instrument :
MSVOA_D
ClientSampled :

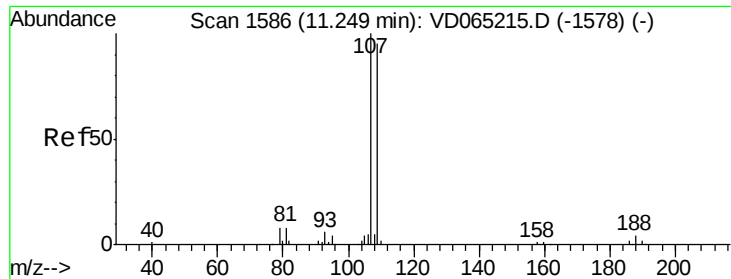
Tot Ion: 43 Resp: 188390
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 19.680 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:129 Resp: 92453
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.062 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

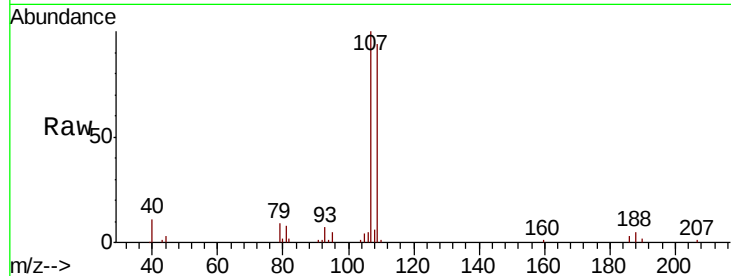
ClientSampleId :

Tot Ion:107 Resp: 69721

Ion Ratio Lower Upper

107 100

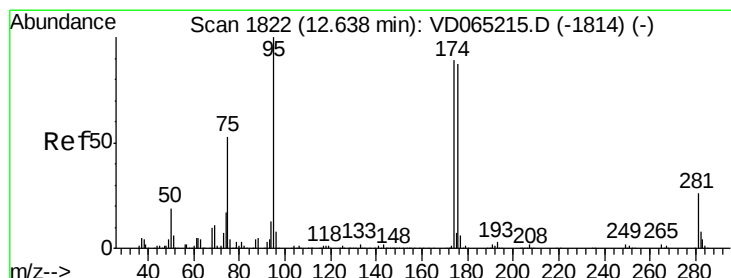
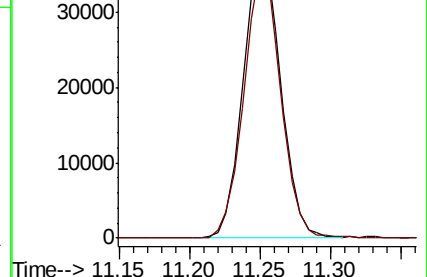
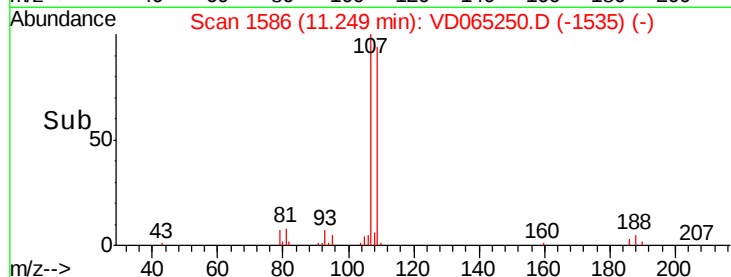
109 93.6 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25



#62

4-Bromofluorobenzene

Concen: 54.628 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

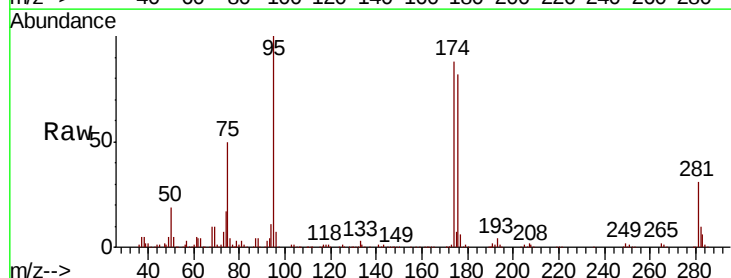
Tgt Ion: 95 Resp: 299387

Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.0

176 85.1 0.0 174.4

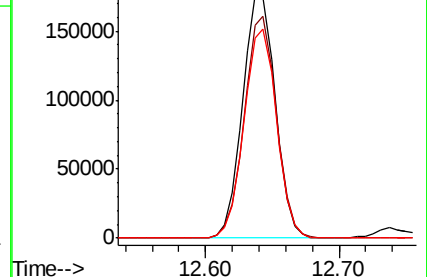
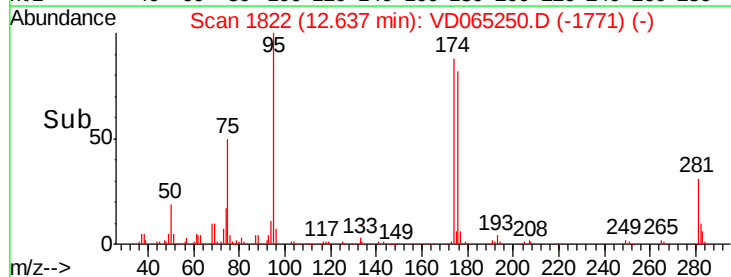


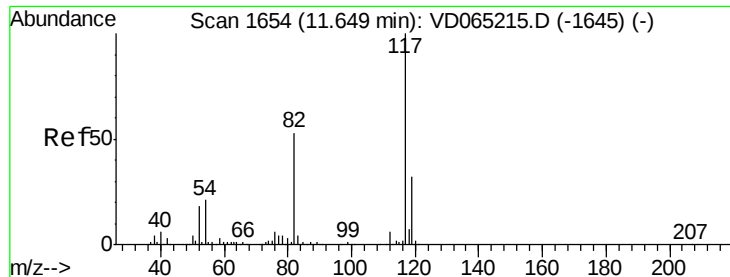
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

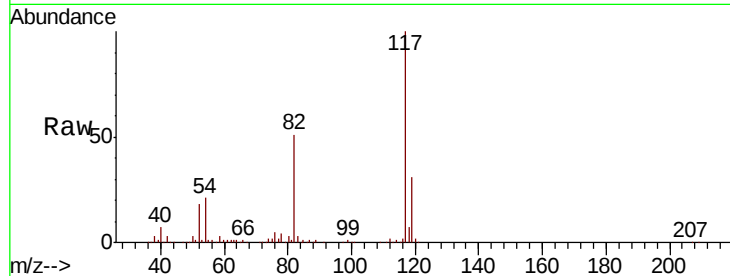




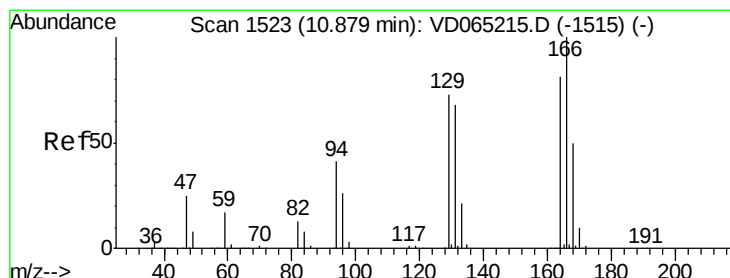
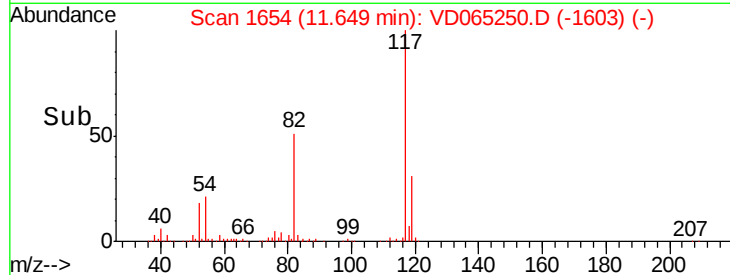
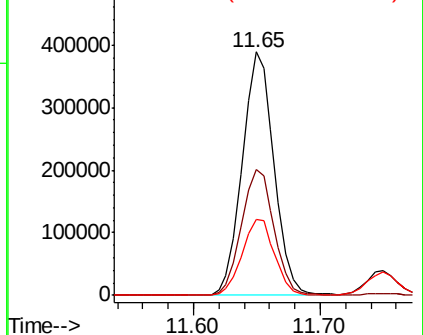
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 676291
Ion Ratio Lower Upper
117 100
82 51.5 42.7 64.1
119 31.0 25.5 38.3

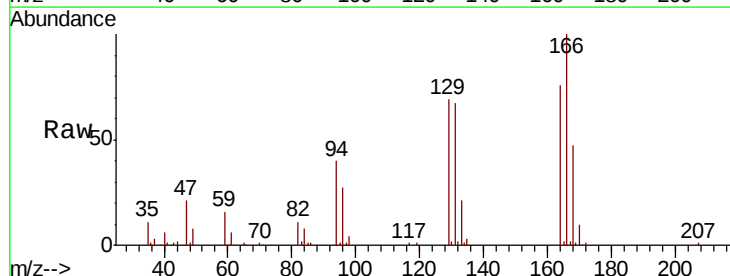


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

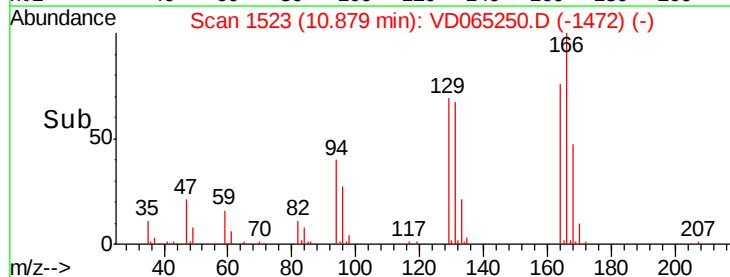
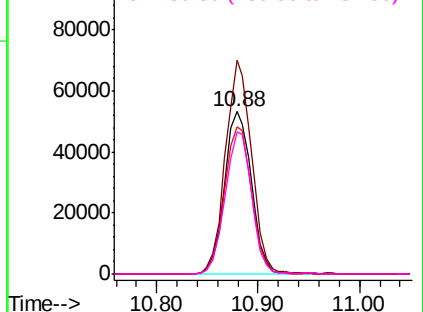


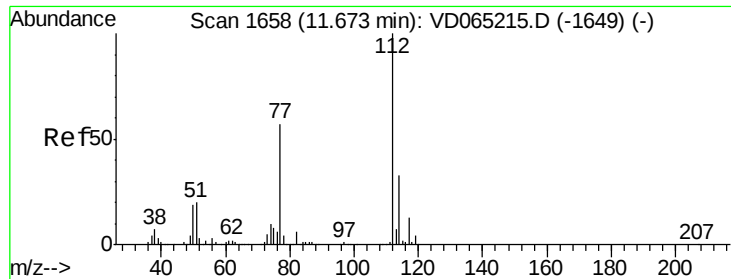
#64
Tetrachloroethene
Concen: 20.454 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:164 Resp: 98106
Ion Ratio Lower Upper
164 100
166 131.9 98.4 147.6
129 91.2 71.6 107.4
131 87.8 67.3 100.9



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

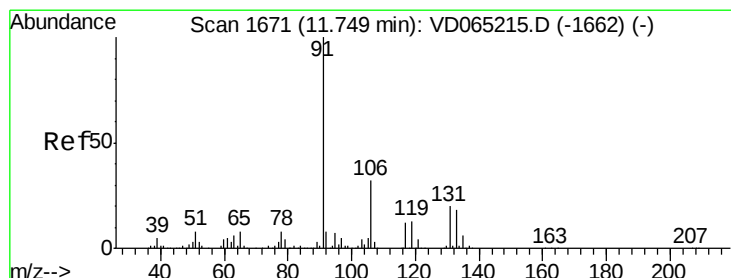
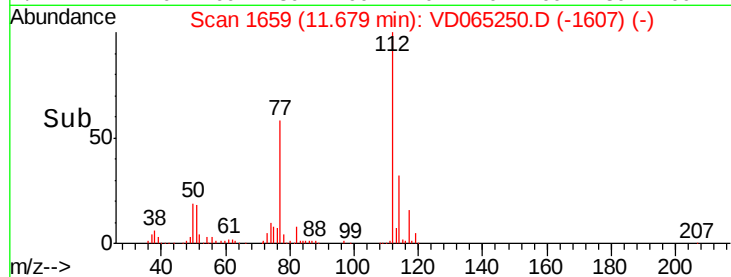
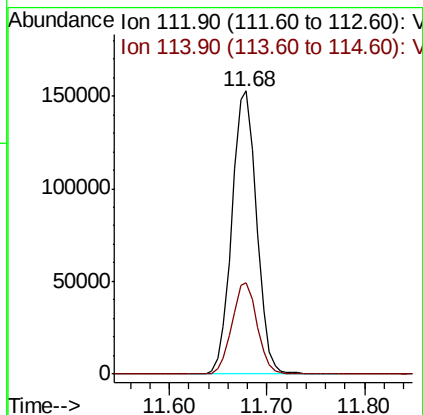
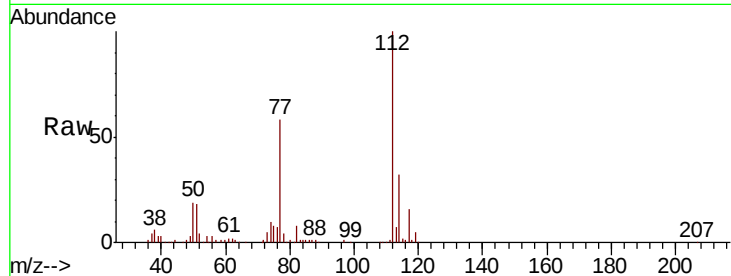




#65
Chlorobenzene
Concen: 19.839 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

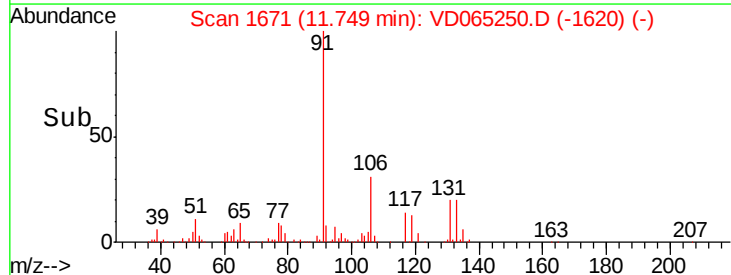
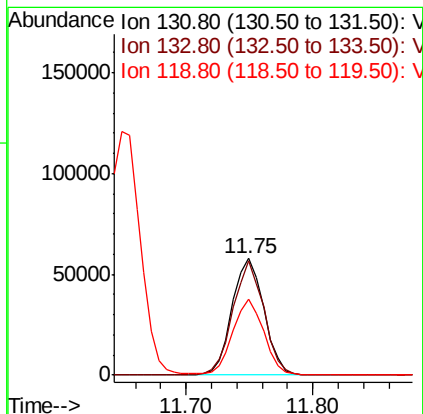
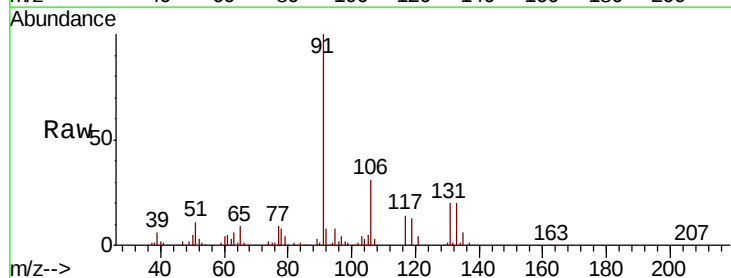
Instrument :
MSVOA_D
ClientSampled :

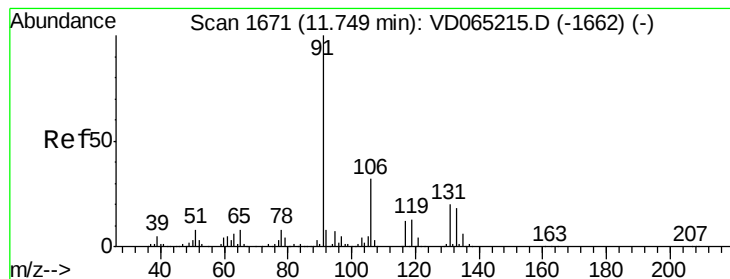
Tot Ion:112 Resp: 269241
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.971 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:131 Resp: 101143
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 63.9 32.7 98.1





#67

Ethyl Benzene

Concen: 19.768 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

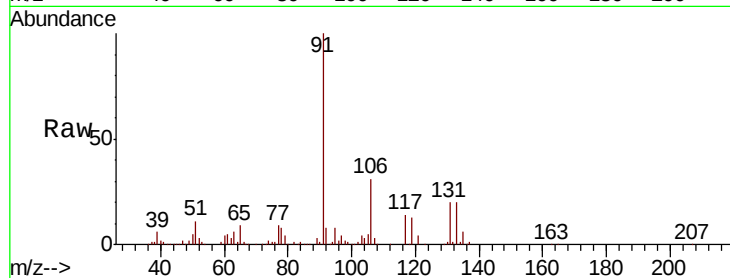
ClientSampleId :

Tot Ion: 91 Resp: 469862

Ion Ratio Lower Upper

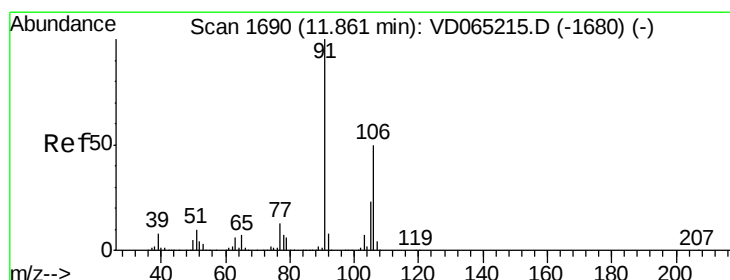
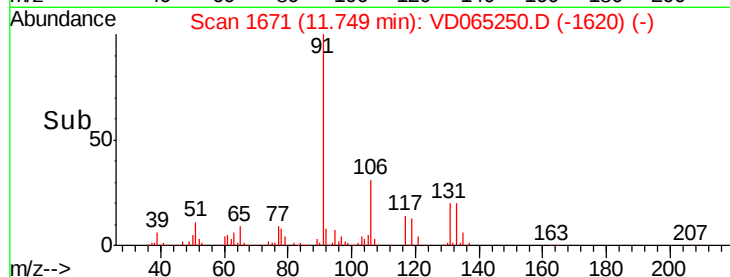
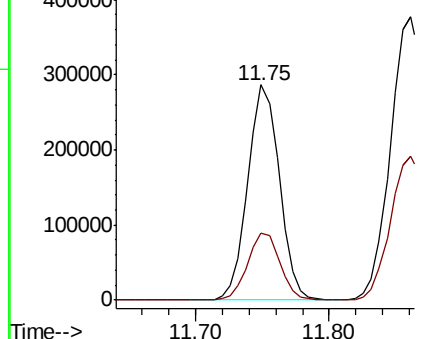
91 100

106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.566 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065250.D

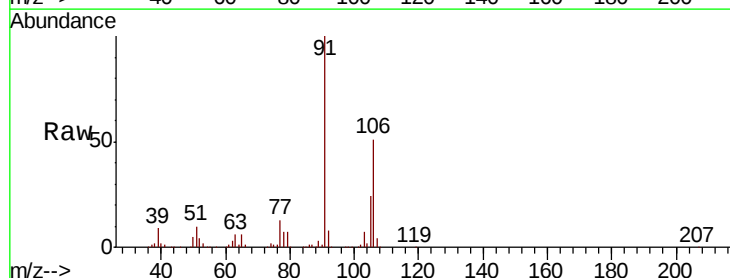
Acq: 20 Feb 2020 12:09

Tgt Ion: 106 Resp: 368903

Ion Ratio Lower Upper

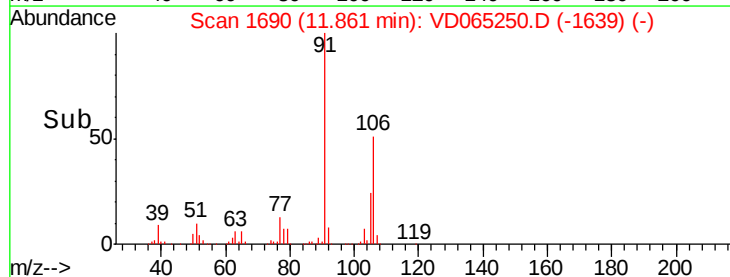
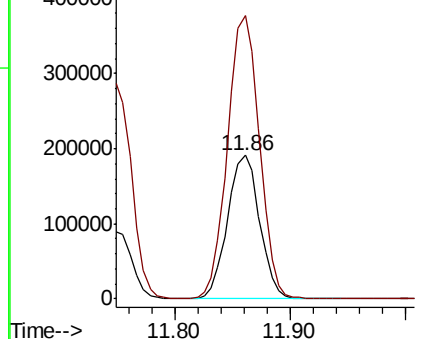
106 100

91 196.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

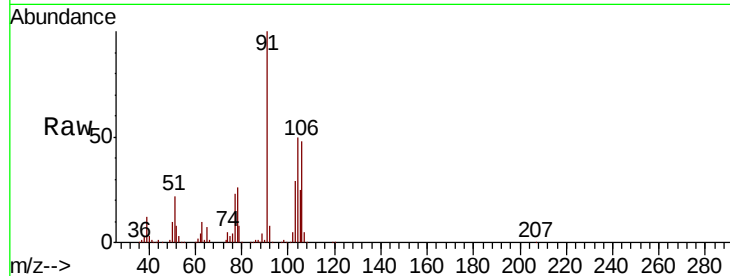




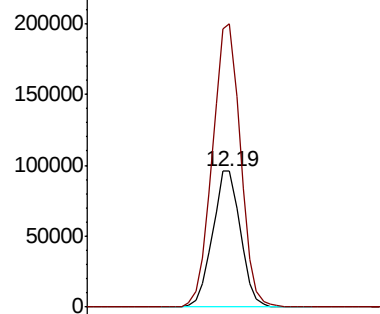
#69
o-Xylene
Concen: 20.083 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

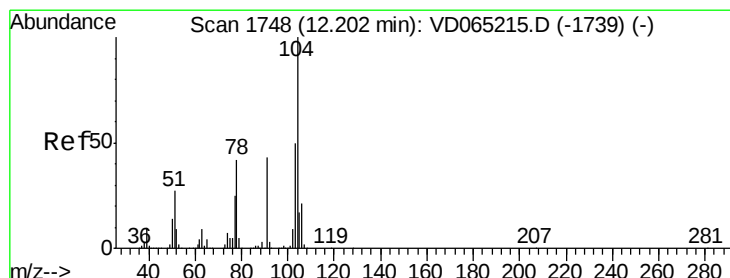
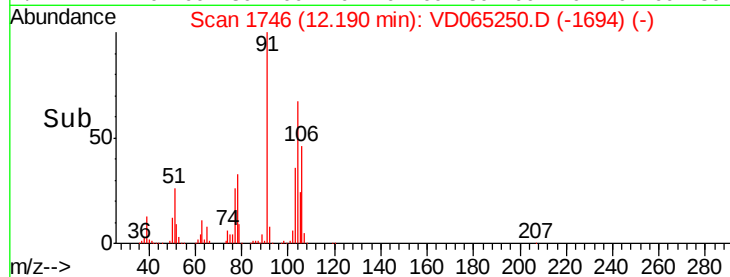
Tot Ion:106 Resp: 161798
Ion Ratio Lower Upper
106 100
91 208.1 104.7 313.9



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

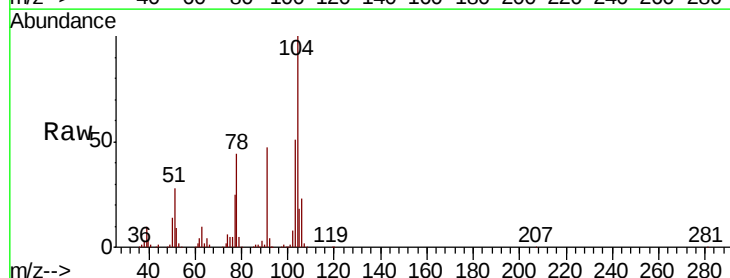


Time--> 12.10 12.20 12.30

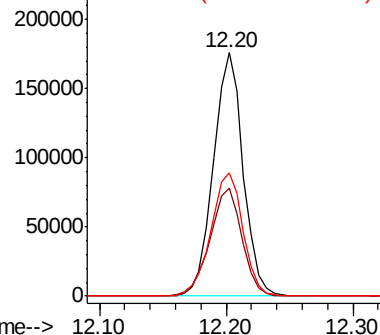


#70
Styrene
Concen: 19.979 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

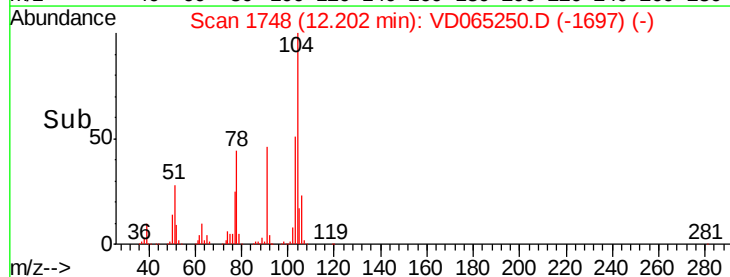
Tgt Ion:104 Resp: 285790
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 54.7 43.4 65.2

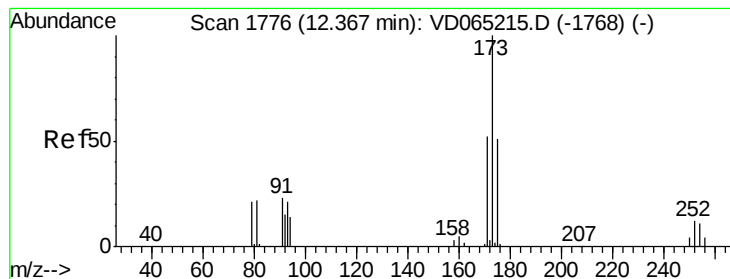


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





#71

Bromoform

Concen: 19.391 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

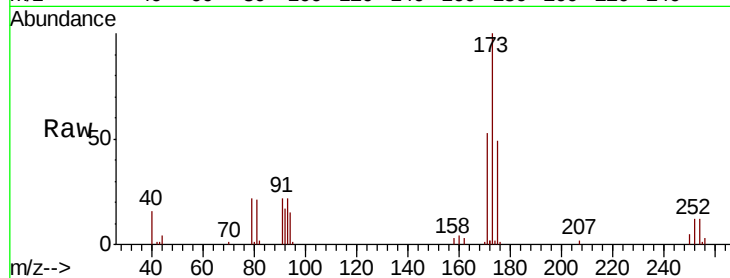
Tot Ion:173 Resp: 54495

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.4

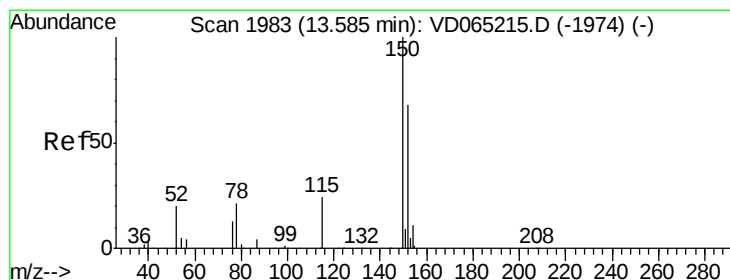
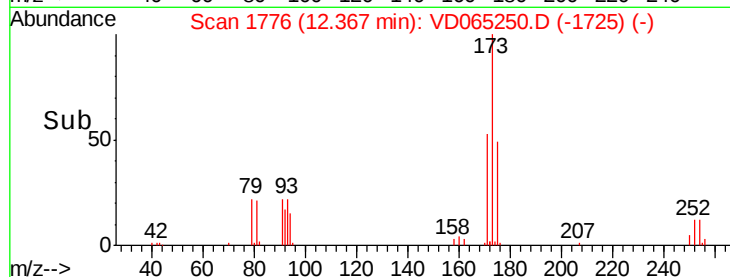
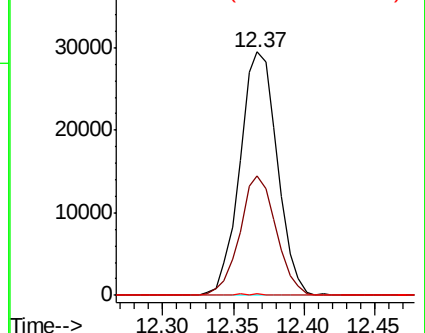
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

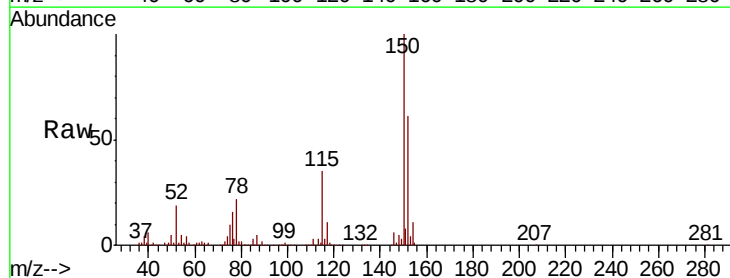
Tgt Ion:152 Resp: 327423

Ion Ratio Lower Upper

152 100

115 56.2 27.6 82.8

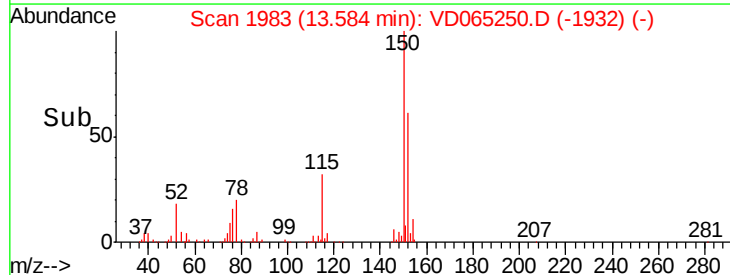
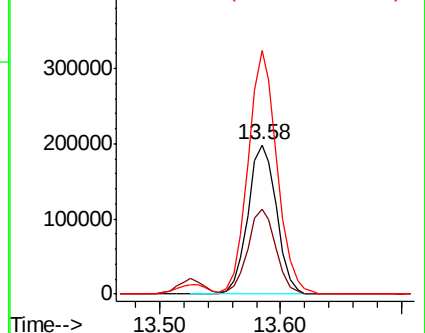
150 164.3 0.0 347.4

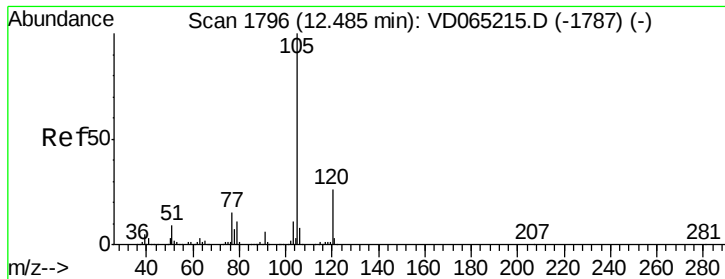


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.418 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

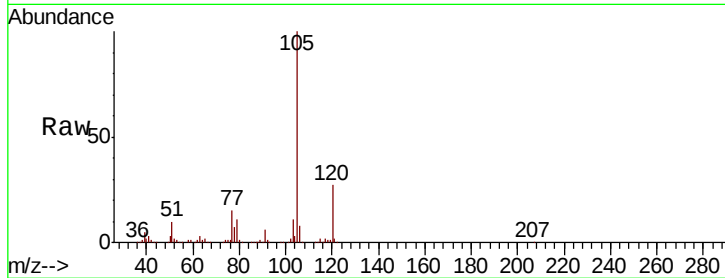
ClientSampleId :

Tot Ion:105 Resp: 442595

Ion Ratio Lower Upper

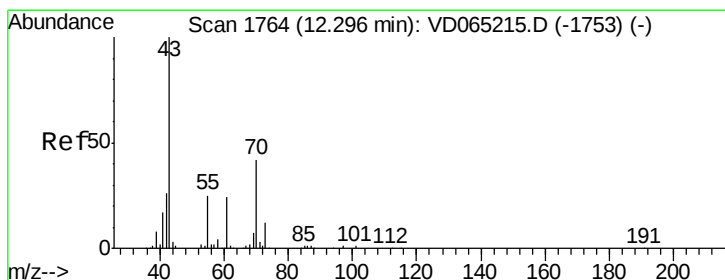
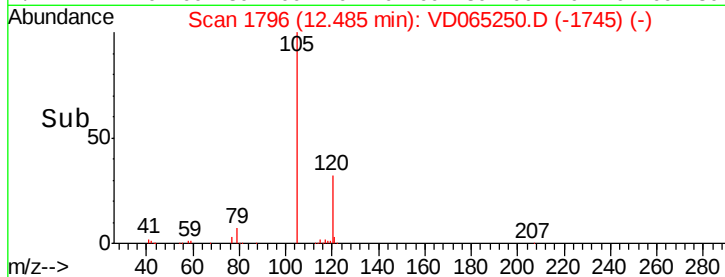
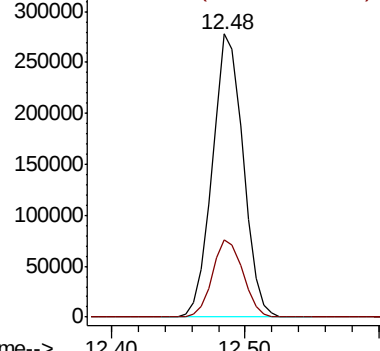
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.770 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion: 43 Resp: 90410

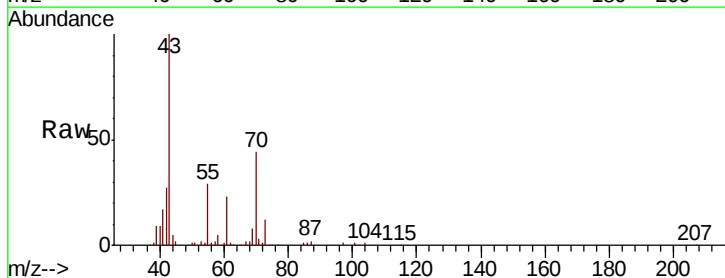
Ion Ratio Lower Upper

43 100

70 43.5 33.7 50.5

55 28.7 20.7 31.1

61 23.7 19.0 28.4

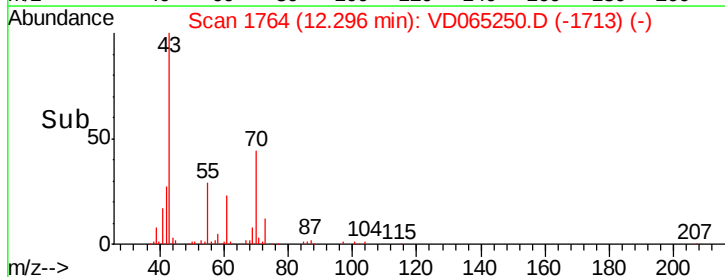
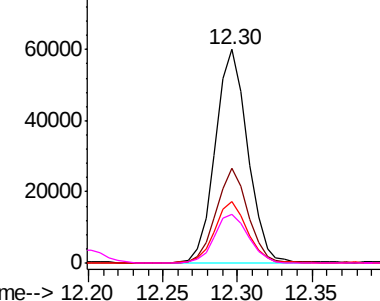


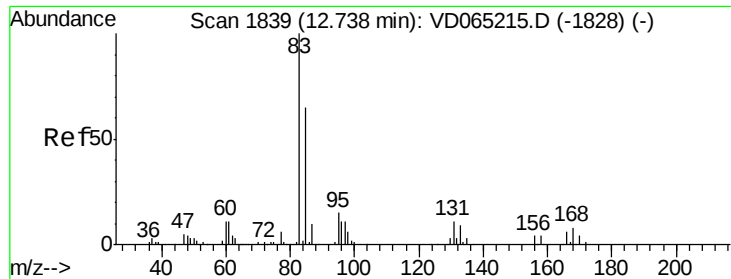
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.700 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

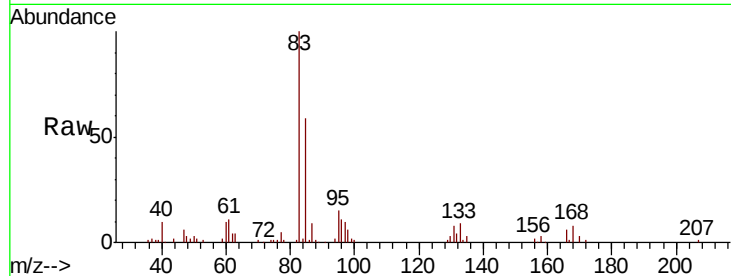
Tot Ion: 83 Resp: 77072

Ion Ratio Lower Upper

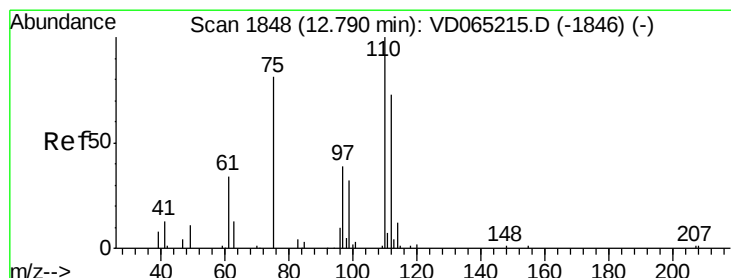
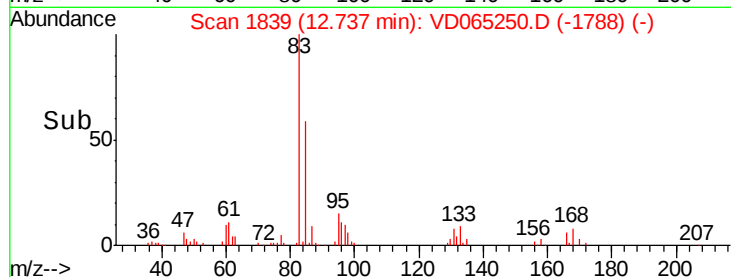
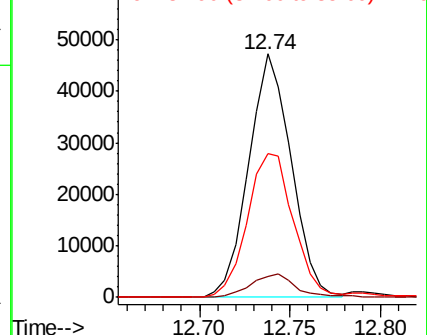
83 100

131 10.0 5.4 16.2

85 63.8 31.6 94.8



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: 36.160 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065250.D

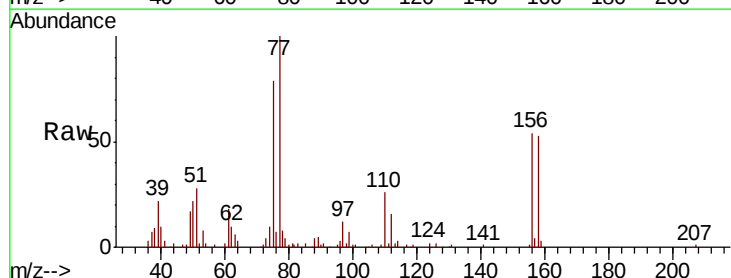
Acq: 20 Feb 2020 12:09

Tgt Ion: 75 Resp: 100735

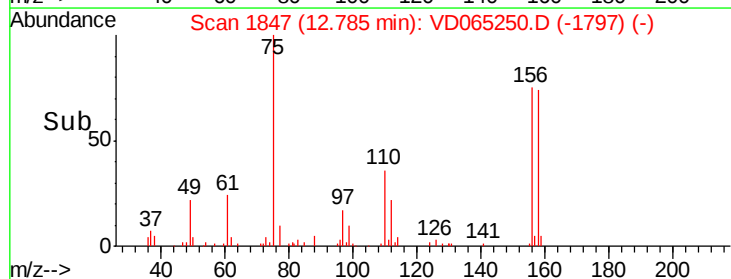
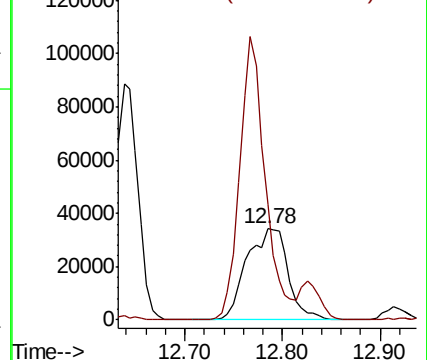
Ion Ratio Lower Upper

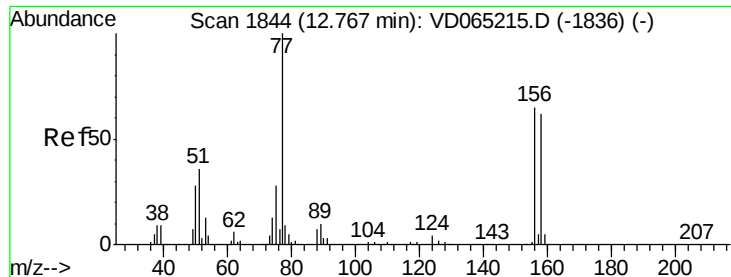
75 100

77 192.3 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: 20.313 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampled :

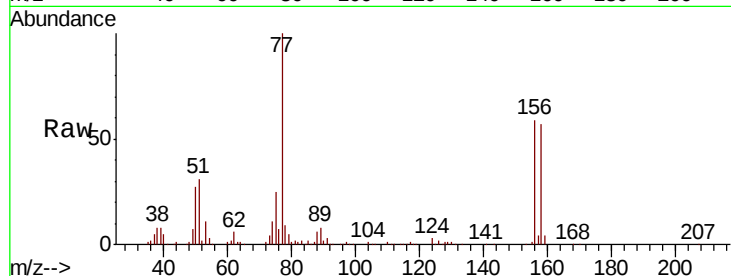
Tot Ion:156 Resp: 109339

Ion Ratio Lower Upper

156 100

77 177.2 86.6 259.7

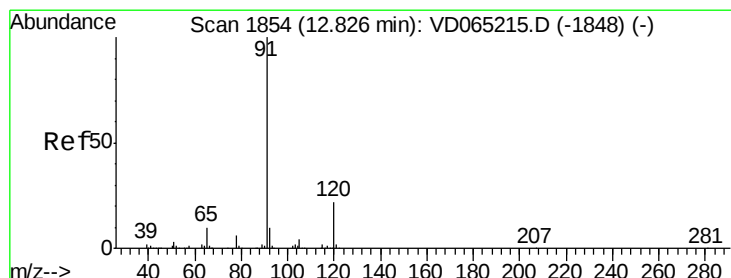
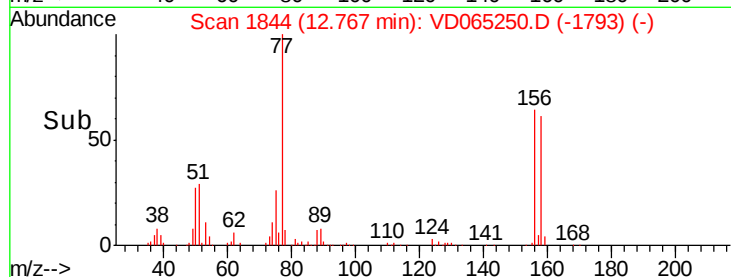
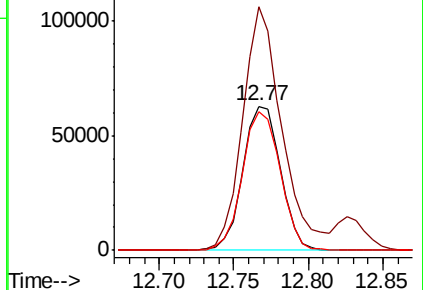
158 96.9 48.1 144.3



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: 20.659 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065250.D

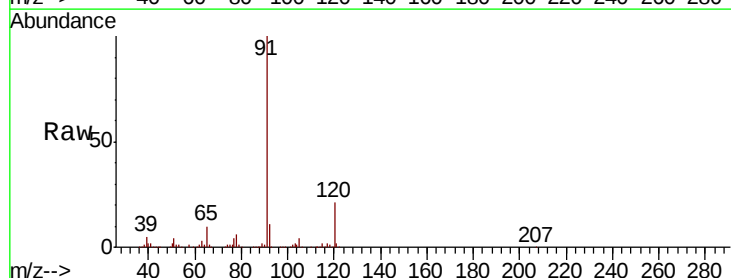
Acq: 20 Feb 2020 12:09

Tgt Ion: 91 Resp: 538157

Ion Ratio Lower Upper

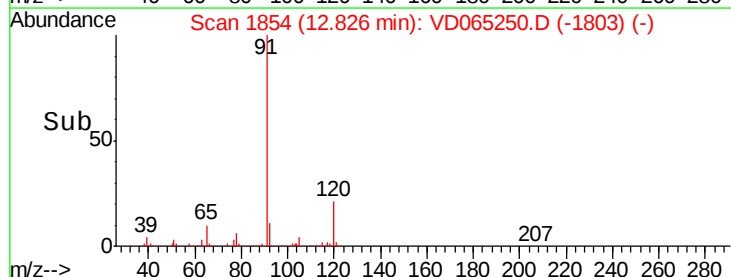
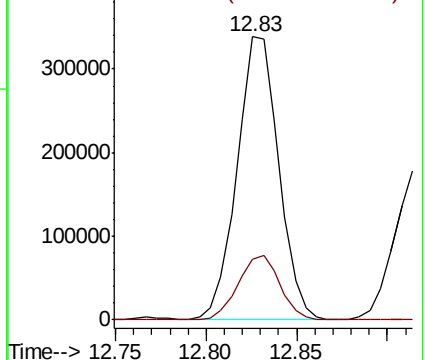
91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

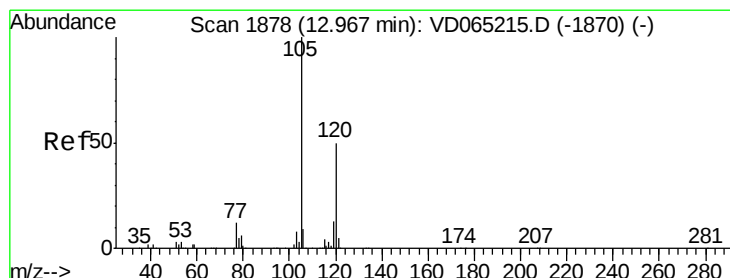
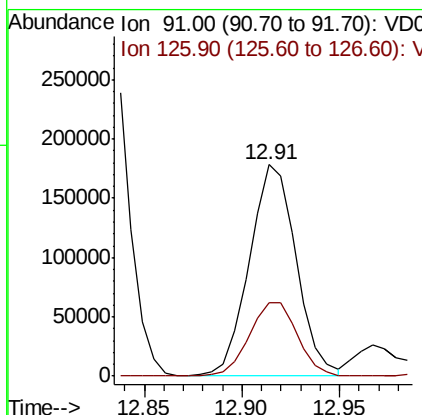
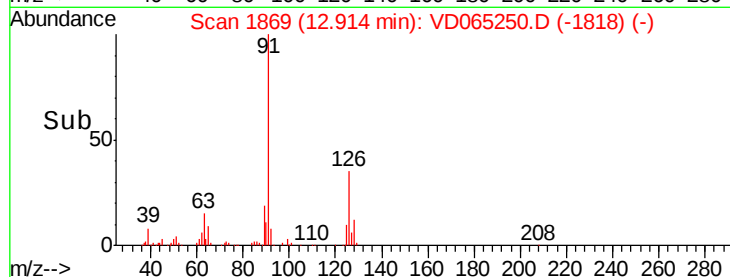
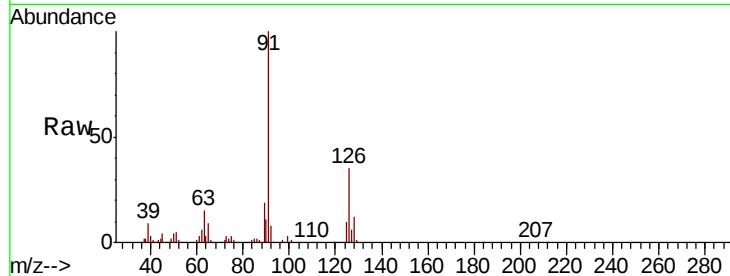




#79
 2-Chlorotoluene
 Concen: 20.182 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

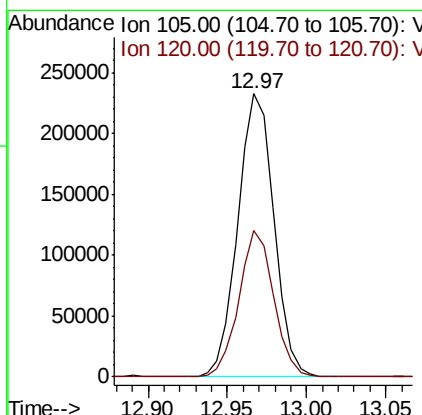
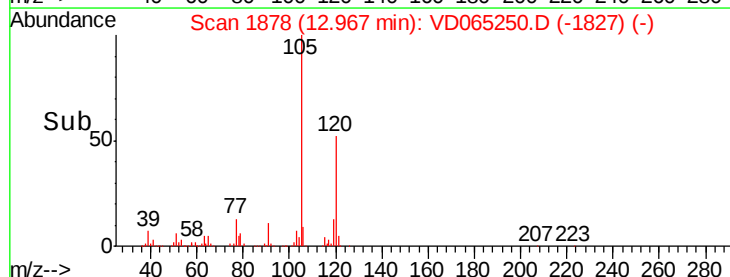
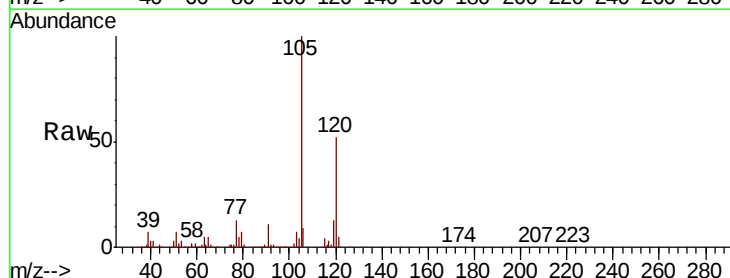
Instrument :
 MSVOA_D
 ClientSampleId :

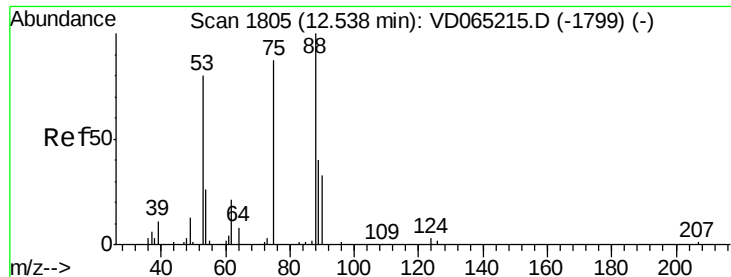
Tot Ion: 91 Resp: 294524
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.534 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 105 Resp: 366617
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.898 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

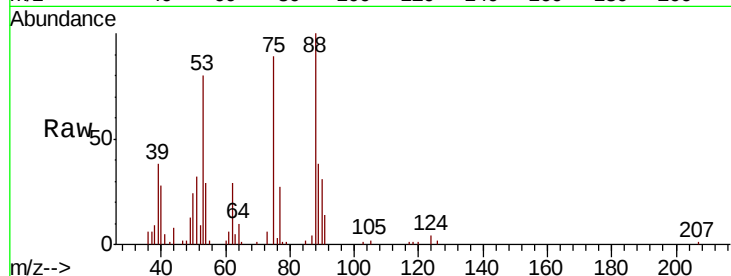
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 24383

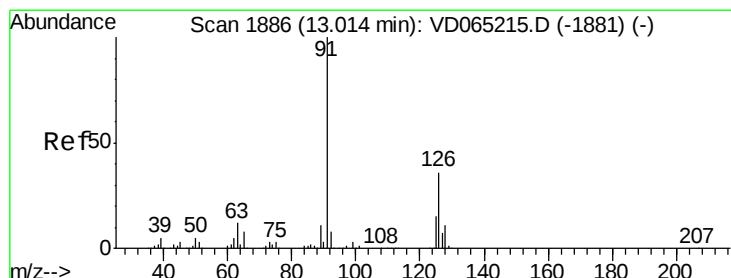
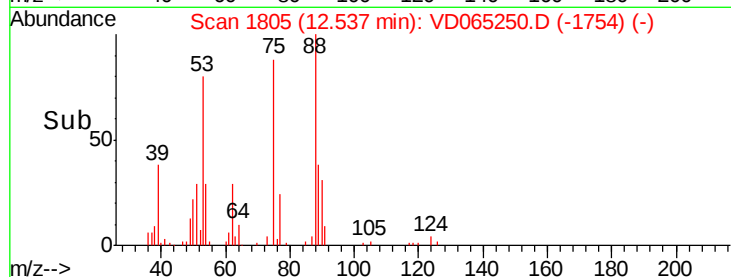
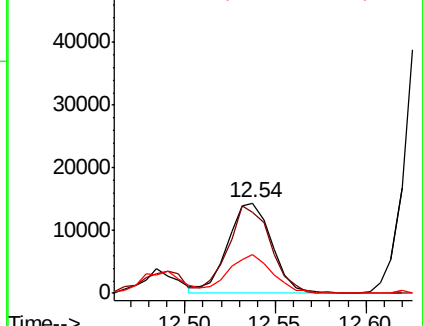
Ion	Ratio	Lower	Upper
75	100		
53	93.2	77.6	116.4
89	42.1	37.2	55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.604 ug/l

RT: 13.01 min Scan# 1886

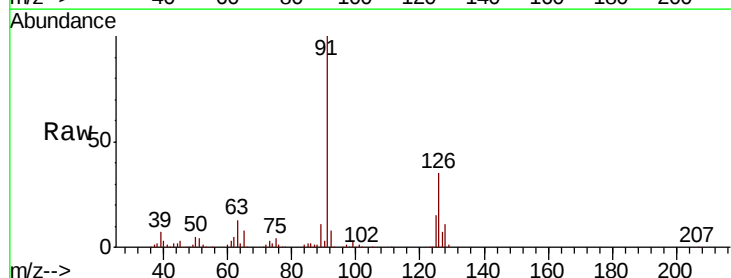
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

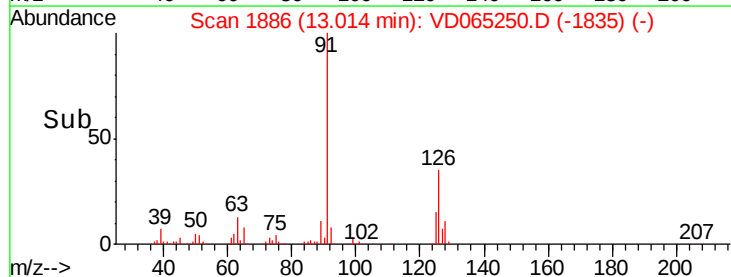
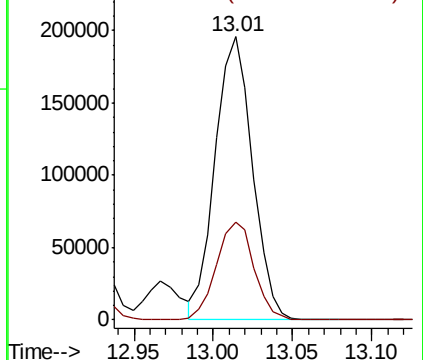
Tgt Ion: 91 Resp: 319211

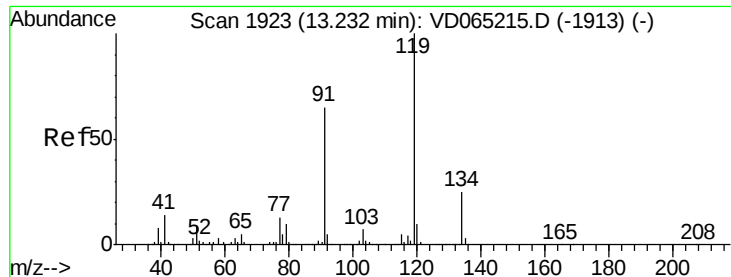
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

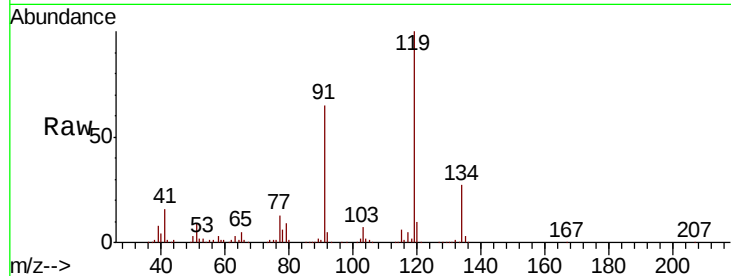




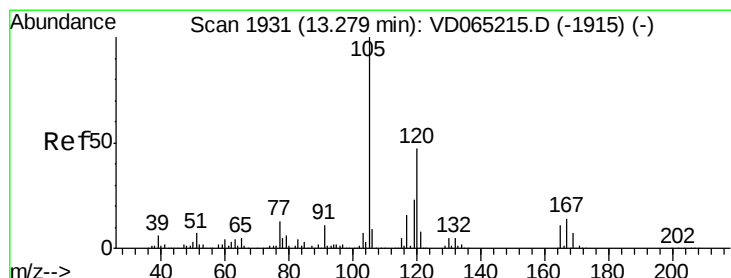
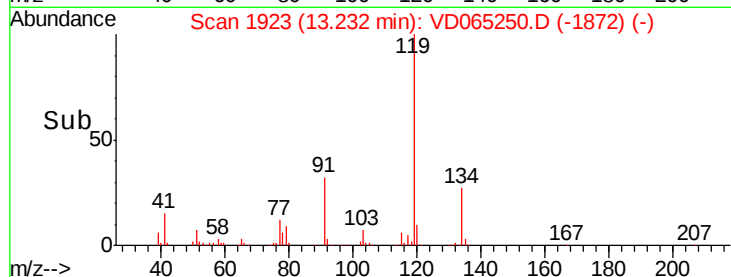
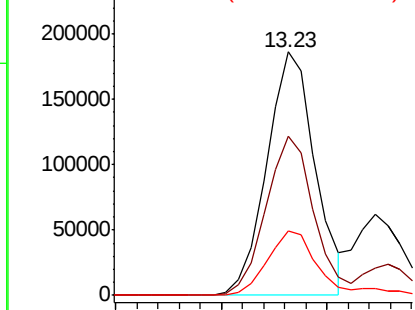
#83
tert-Butylbenzene
Concen: 19.796 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 296223
Ion Ratio Lower Upper
119 100
91 65.2 31.9 95.5
134 28.5 13.8 41.3

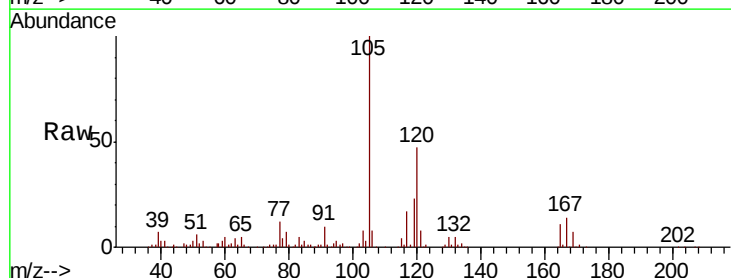


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

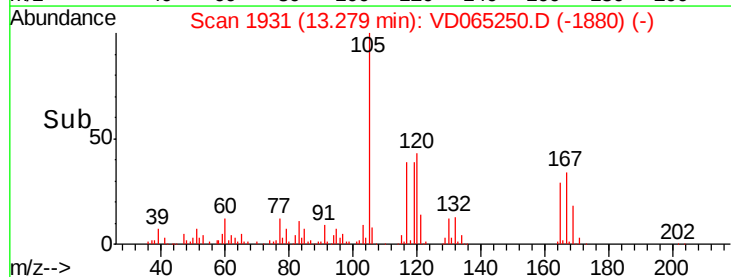
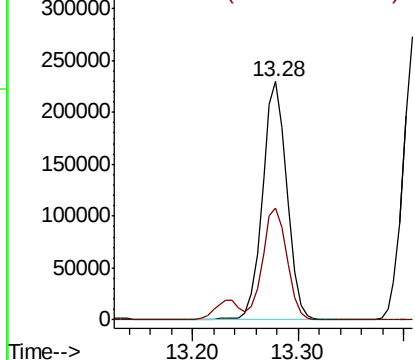


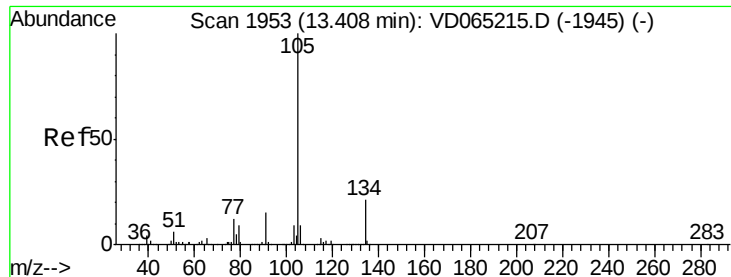
#84
1,2,4-Trimethylbenzene
Concen: 20.549 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:105 Resp: 367210
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.248 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

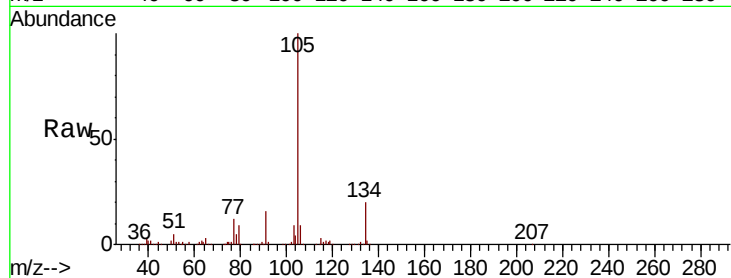
ClientSampleId :

Tot Ion:105 Resp: 436591

Ion Ratio Lower Upper

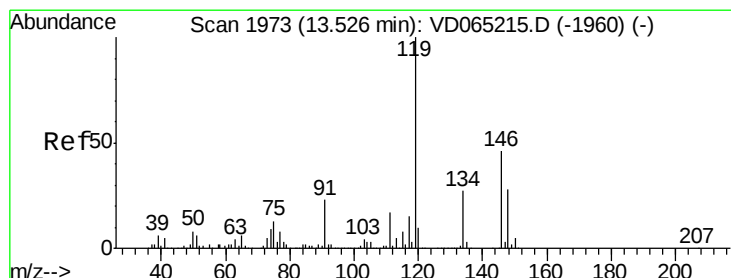
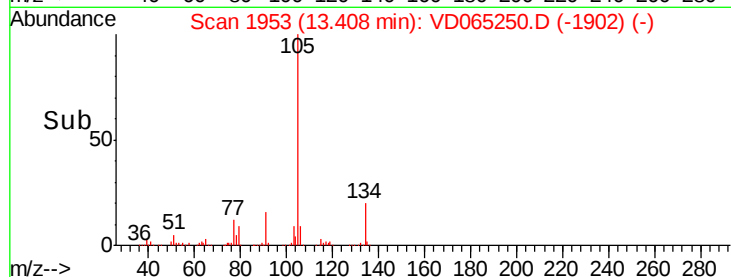
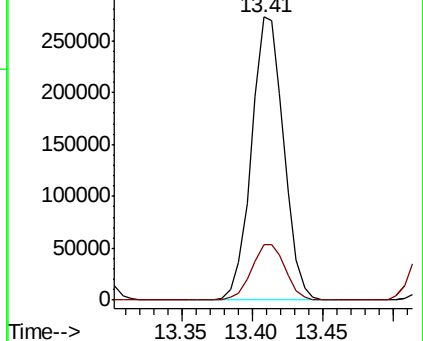
105 100

134 20.6 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: 20.251 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

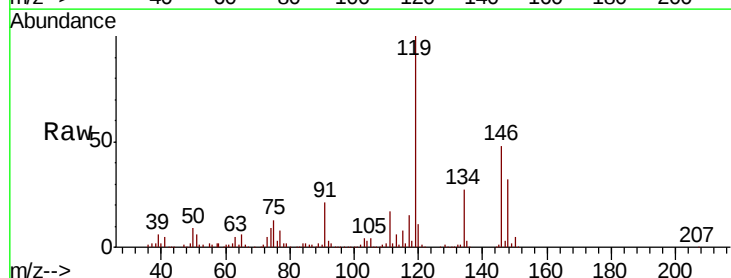
Tgt Ion:119 Resp: 399316

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

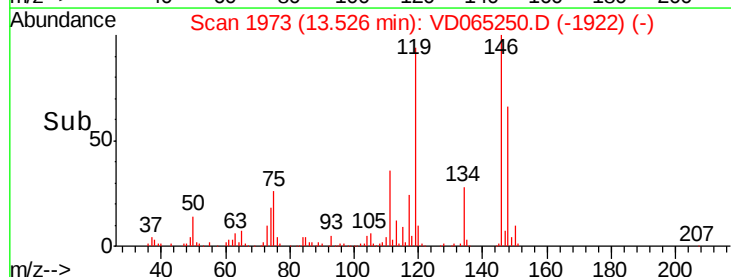
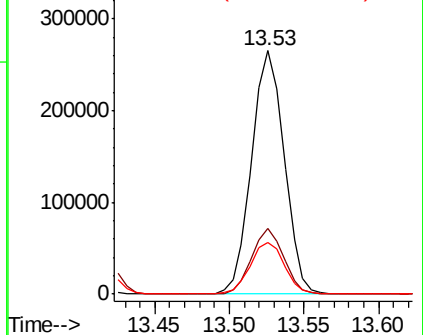
91 22.2 11.1 33.1

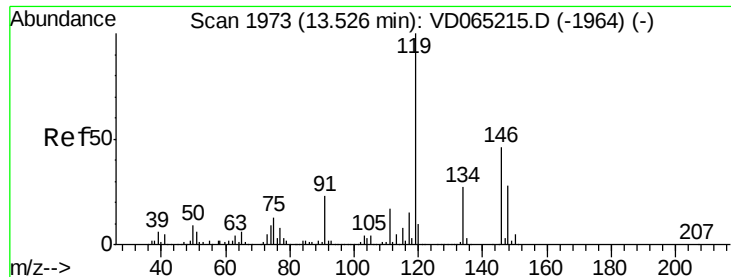


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

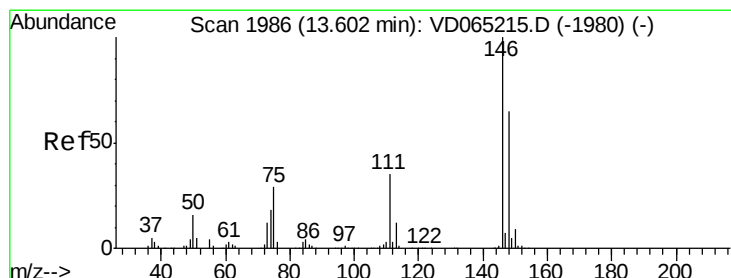
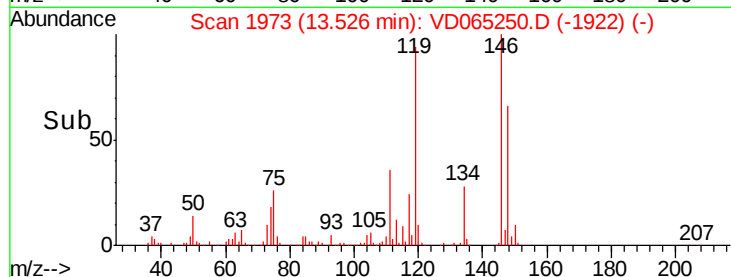
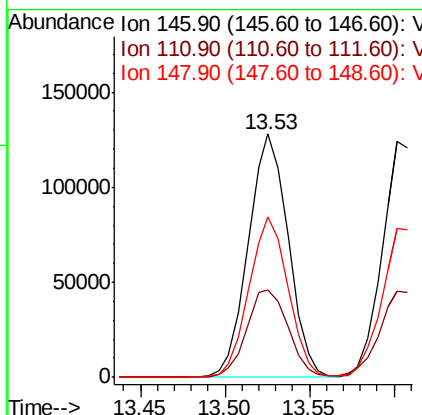
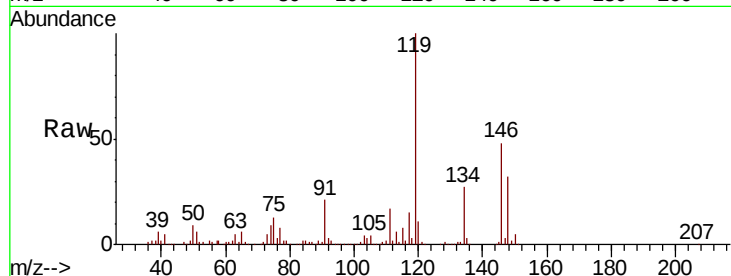




#87
 1,3-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

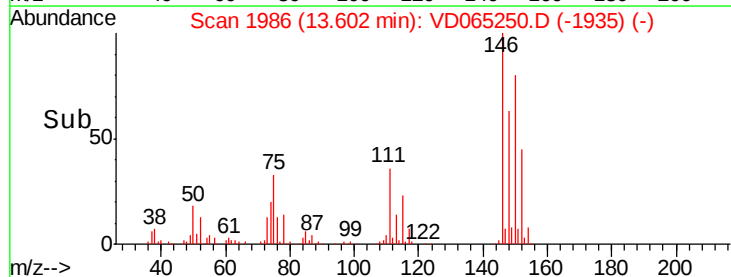
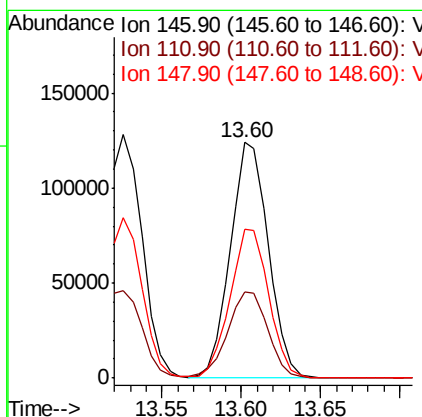
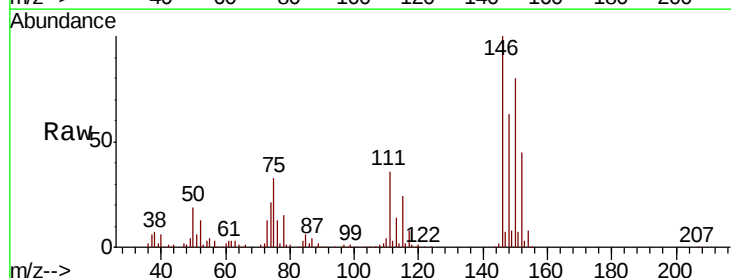
Instrument :
 MSVOA_D
 ClientSampleId :

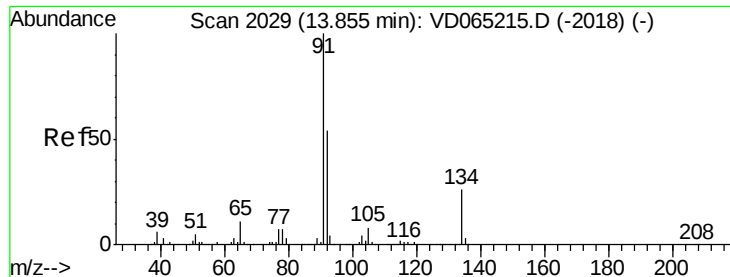
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.8	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.081 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.4	55.2
148	64.2	32.1	96.5

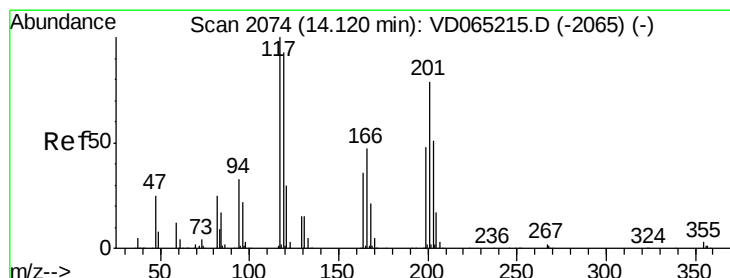
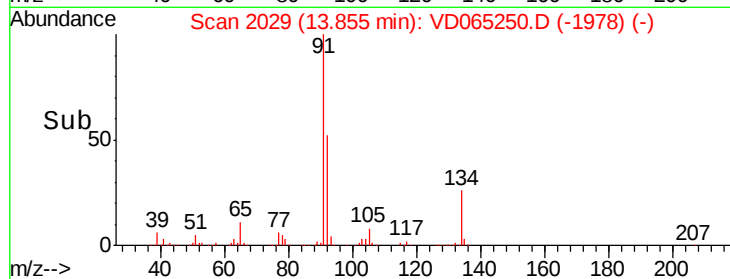
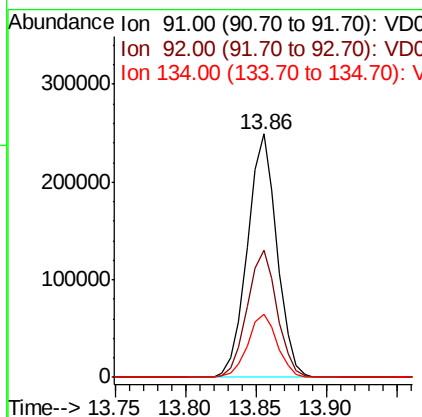
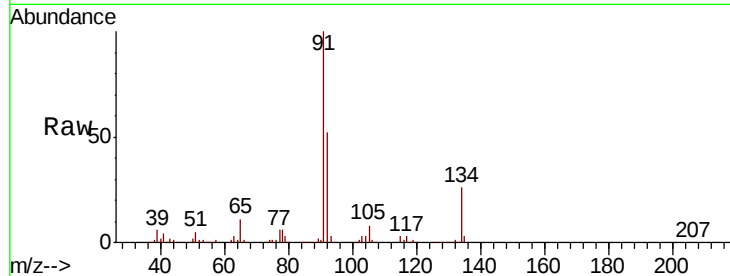




#89
n-Butylbenzene
Concen: 20.142 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

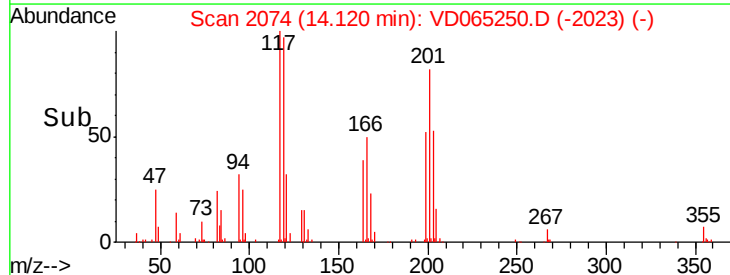
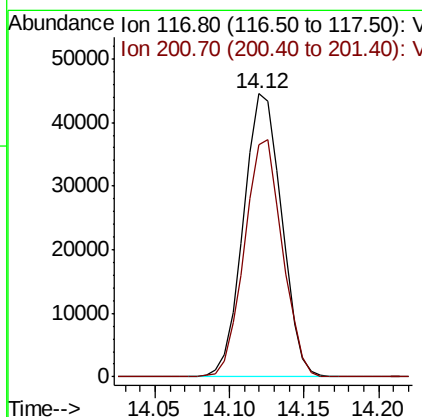
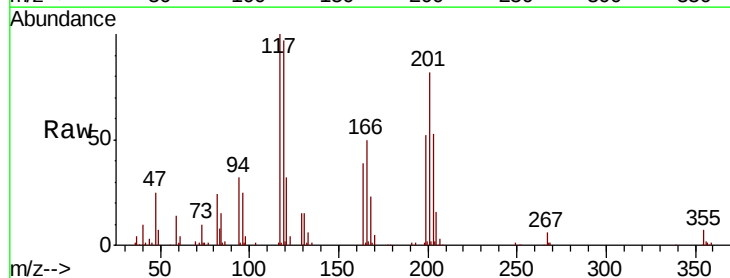
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 365979
Ion Ratio Lower Upper
91 100
92 52.6 27.0 80.8
134 26.1 13.5 40.4



#90
Hexachloroethane
Concen: 19.736 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 117 Resp: 79019
Ion Ratio Lower Upper
117 100
201 82.7 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 20.136 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

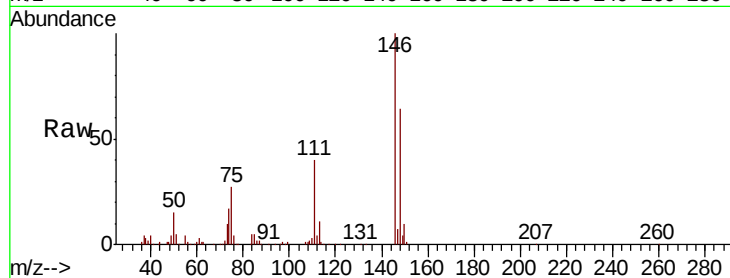
Tot Ion:146 Resp: 179915

Ion Ratio Lower Upper

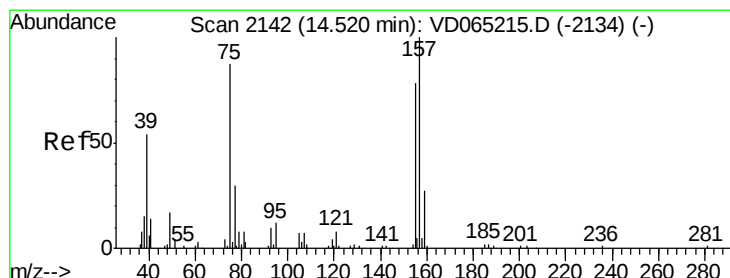
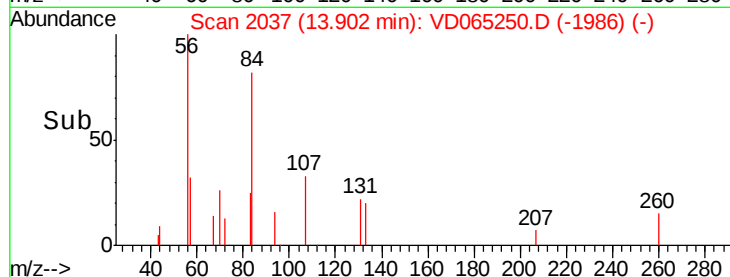
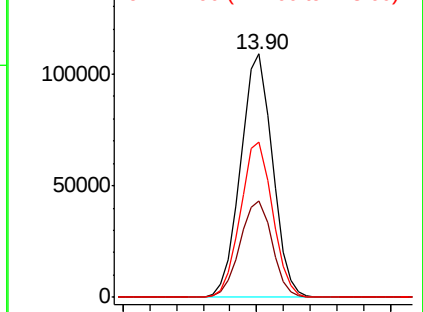
146 100

111 39.9 19.7 59.0

148 64.2 32.0 96.2



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: 19.085 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

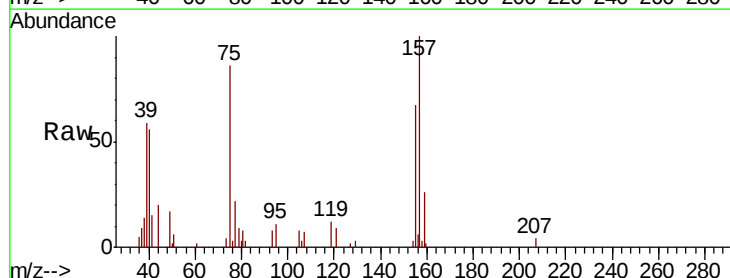
Tgt Ion: 75 Resp: 11506

Ion Ratio Lower Upper

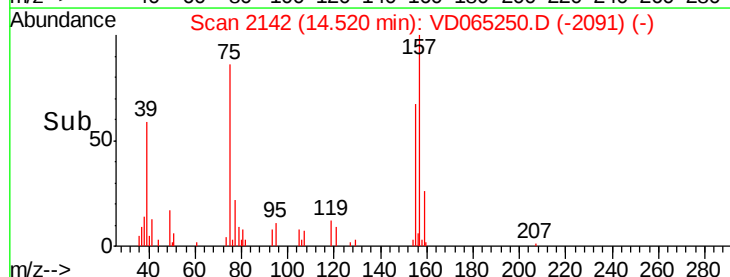
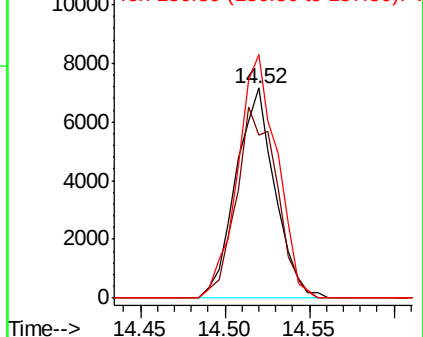
75 100

155 93.9 42.3 126.9

157 117.1 56.7 170.1



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

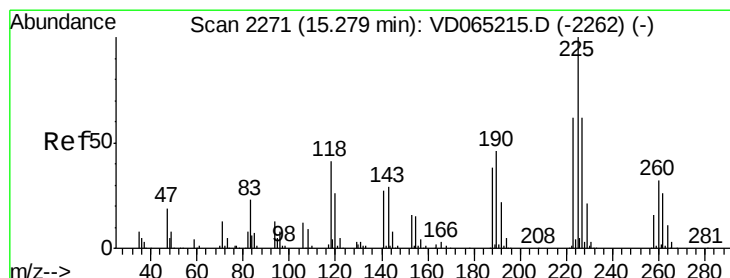
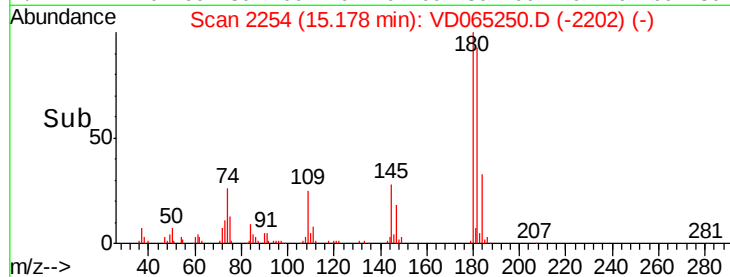
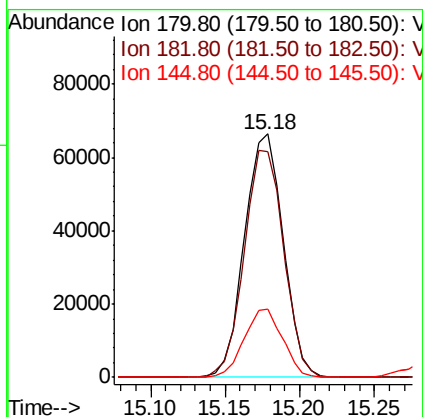
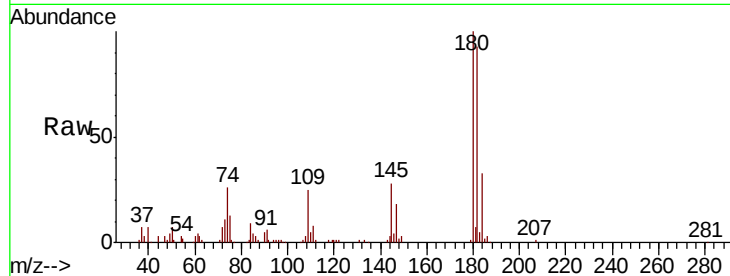




#93
 1,2,4-Trichlorobenzene
 Concen: 20.411 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

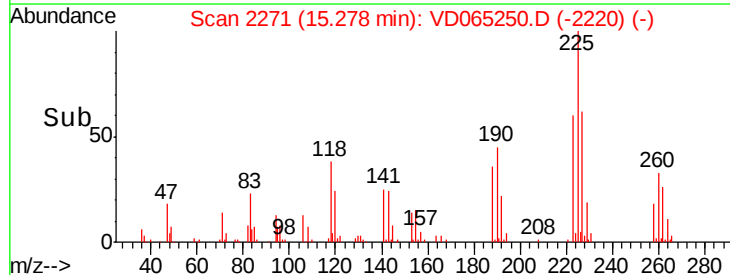
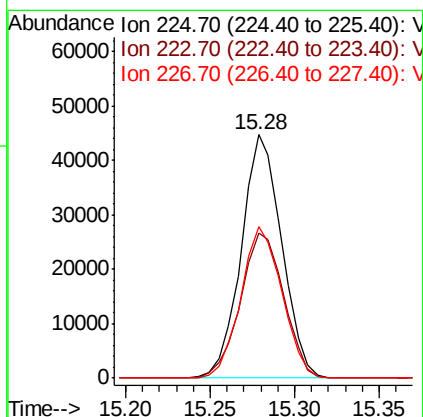
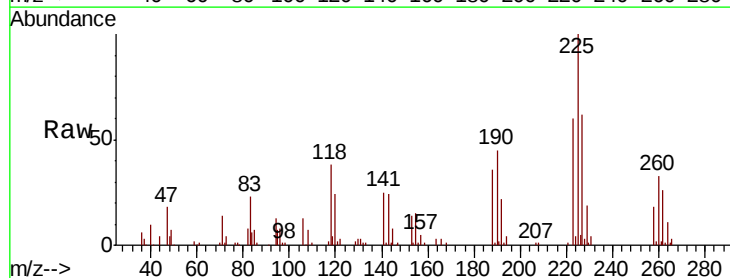
Instrument :
 MSVOA_D
 ClientSampleId :

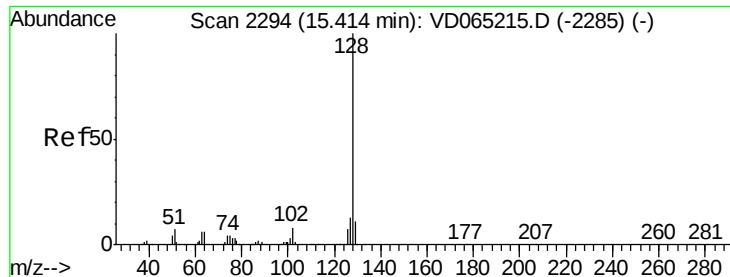
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.6
145	27.8	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 19.896 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.2
227	63.3	31.7	95.1

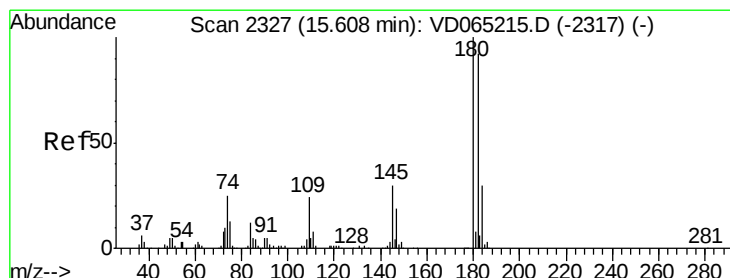
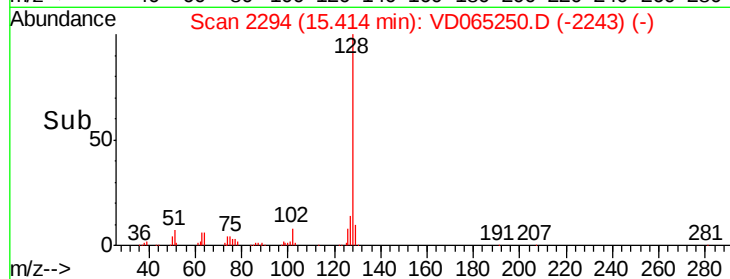
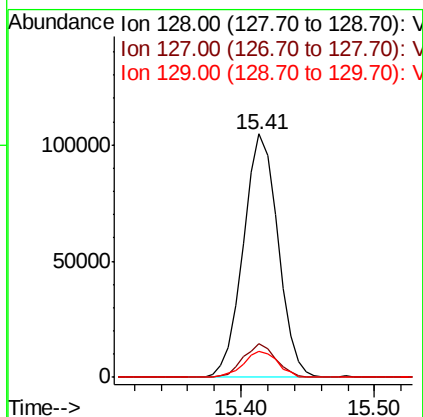
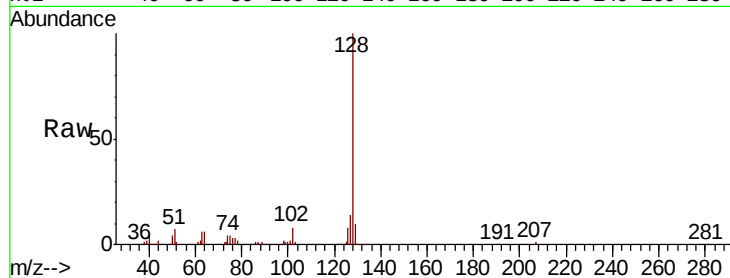




#95
Naphthalene
Concen: 19.831 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 188419
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.719 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion:180 Resp: 105758
Ion Ratio Lower Upper
180 100
182 93.9 46.9 140.6
145 29.9 15.4 46.1

