

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065159.D
 Acq On : 12 Feb 2020 11:31
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 05:58:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200534	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.92	113	201347	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	802839	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	243951	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	79284	19.669	ug/l 98
3) Chloromethane	2.21	50	104124	21.944	ug/l 92
4) Vinyl Chloride	2.35	62	105842	21.092	ug/l 99
5) Bromomethane	2.76	94	63845	19.622	ug/l 95
6) Chloroethane	2.92	64	64904	20.851	ug/l 97
7) Trichlorofluoromethane	3.27	101	153181	20.976	ug/l 96
8) Diethyl Ether	3.71	74	37615	17.942	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92625	20.747	ug/l 99
10) Methyl Iodide	4.29	142	84764	16.635	ug/l 97
11) Tert butyl alcohol	5.25	59	22881	90.967	ug/l # 90
12) 1,1-Dichloroethene	4.06	96	86705	20.279	ug/l 98
13) Acrolein	3.93	56	24463	79.072	ug/l 95
14) Allyl chloride	4.71	41	136432	19.199	ug/l 99
15) Acrylonitrile	5.43	53	84435	92.122	ug/l 99
16) Acetone	4.16	43	86600	84.137	ug/l 94
17) Carbon Disulfide	4.40	76	280585	20.438	ug/l 98
18) Methyl Acetate	4.72	43	44801	20.833	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	162594	17.197	ug/l 93
20) Methylene Chloride	4.96	84	99087	19.457	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	95759	19.795	ug/l 92
22) Diisopropyl ether	6.37	45	259662	19.372	ug/l # 95
23) Vinyl Acetate	6.31	43	664078	88.887	ug/l 100
24) 1,1-Dichloroethane	6.26	63	163114	20.105	ug/l 98
25) 2-Butanone	7.22	43	106257	86.545	ug/l 97
26) 2,2-Dichloropropane	7.21	77	148278	20.390	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	100321	19.521	ug/l 99
28) Bromochloromethane	7.54	49	57391	18.661	ug/l 100
29) Tetrahydrofuran	7.57	42	65842	88.679	ug/l 98
30) Chloroform	7.71	83	169928	21.035	ug/l 96
31) Cyclohexane	7.99	56	160149	19.555	ug/l 96
32) 1,1,1-Trichloroethane	7.90	97	156018	20.733	ug/l 99
36) 1,1-Dichloropropene	8.11	75	135732	20.383	ug/l 98
37) Ethyl Acetate	7.30	43	48580	17.857	ug/l 98
38) Carbon Tetrachloride	8.09	117	138833	20.413	ug/l 95

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 05:58:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156867	19.085	ug/l	99
40) Benzene	8.35	78	373986	20.338	ug/l	100
41) Methacrylonitrile	7.53	41	27549	18.381	ug/l	95
42) 1,2-Dichloroethane	8.43	62	100646	19.208	ug/l	99
43) Isopropyl Acetate	8.46	43	90588	17.407	ug/l	98
44) Trichloroethene	9.11	130	106157	20.112	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90946	20.628	ug/l	90
46) Dibromomethane	9.48	93	46503	20.072	ug/l	95
47) Bromodichloromethane	9.66	83	127968	20.963	ug/l	96
48) Methyl methacrylate	9.46	41	43275	17.281	ug/l	97
49) 1,4-Dioxane	9.47	88	9712	353.926	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	233098	90.999	ug/l	99
52) Toluene	10.41	92	239819	20.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	111456	18.752	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	140062	19.703	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63076	19.849	ug/l	95
56) Ethyl methacrylate	10.67	69	69143	17.196	ug/l	98
57) 1,3-Dichloropropane	10.95	76	110320	19.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	117288	77.140	ug/l	99
59) 2-Hexanone	10.99	43	160477	88.447	ug/l	100
60) Dibromochloromethane	11.14	129	81034	19.687	ug/l	98
61) 1,2-Dibromoethane	11.25	107	60010	19.326	ug/l	98
64) Tetrachloroethene	10.88	164	92624	20.194	ug/l	97
65) Chlorobenzene	11.67	112	246213	19.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	89020	19.536	ug/l	97
67) Ethyl Benzene	11.75	91	445210	19.849	ug/l	96
68) m/p-Xylenes	11.86	106	338089	39.492	ug/l	97
69) o-Xylene	12.18	106	146353	18.984	ug/l	97
70) Styrene	12.20	104	262506	19.591	ug/l	99
71) Bromoform	12.37	173	47124	19.214	ug/l #	99
73) Isopropylbenzene	12.48	105	410939	19.379	ug/l	100
74) N-amyl acetate	12.30	43	78942	17.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65367	19.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	87398	37.364	ug/l #	100
77) Bromobenzene	12.77	156	97610	19.105	ug/l	99
78) n-propylbenzene	12.83	91	499678	20.121	ug/l	100
79) 2-Chlorotoluene	12.91	91	276146	19.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	343444	19.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	20762	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	290905	20.010	ug/l	100
83) tert-Butylbenzene	13.23	119	284261	18.993	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	338390	19.648	ug/l	99
85) sec-Butylbenzene	13.41	105	411477	20.129	ug/l	99
86) p-Isopropyltoluene	13.53	119	379091	19.960	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191899	20.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191603	20.125	ug/l	98
89) n-Butylbenzene	13.86	91	347978	19.850	ug/l	100
90) Hexachloroethane	14.12	117	74844	20.810	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	158508	19.346	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10334	18.968	ug/l	98

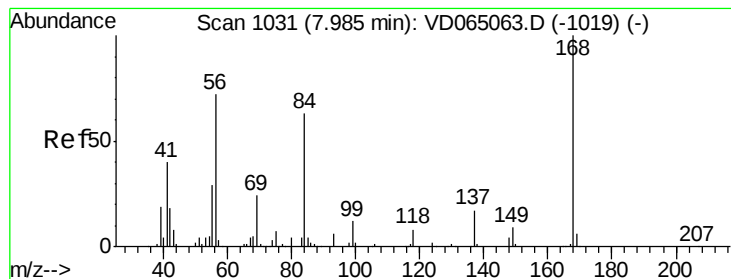
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108481	18.524	ug/l	98
94) Hexachlorobutadiene	15.28	225	71217	19.778	ug/l	100
95) Naphthalene	15.41	128	157938	16.226	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	92711	18.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

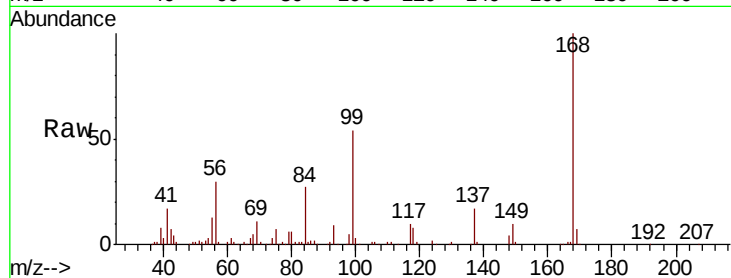
ClientSampleId :

Tot Ion:168 Resp: 484379

Ion Ratio Lower Upper

168 100

99 53.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

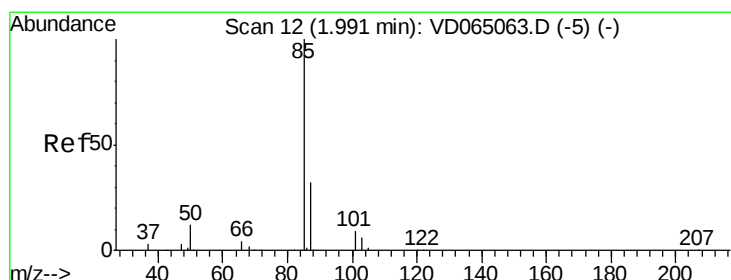
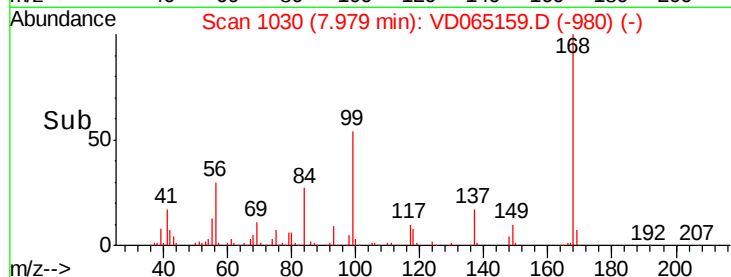
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.669 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065159.D

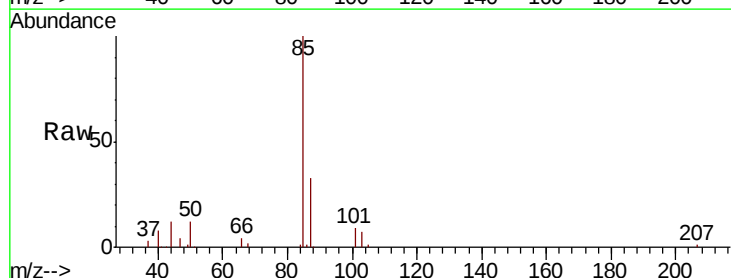
Acq: 12 Feb 2020 11:31

Tgt Ion: 85 Resp: 79284

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

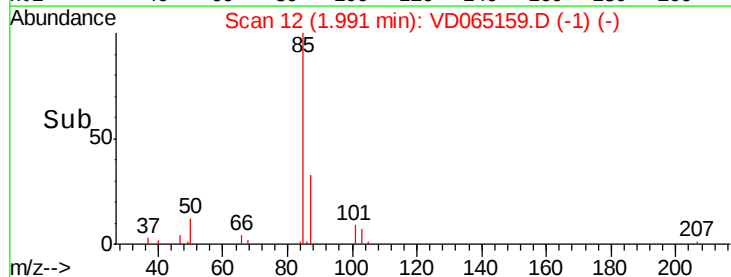
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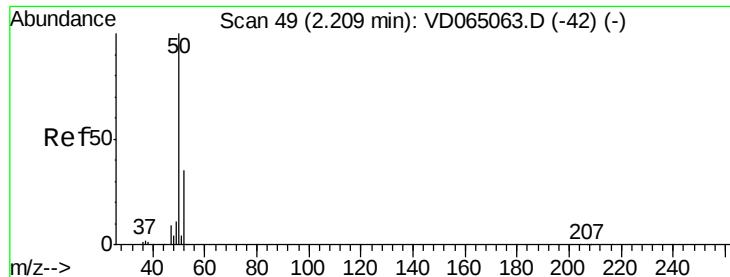
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.944 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

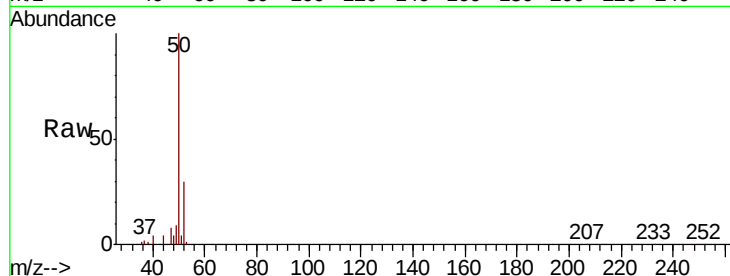
ClientSampleId :

Tot Ion: 50 Resp: 104124

Ion Ratio Lower Upper

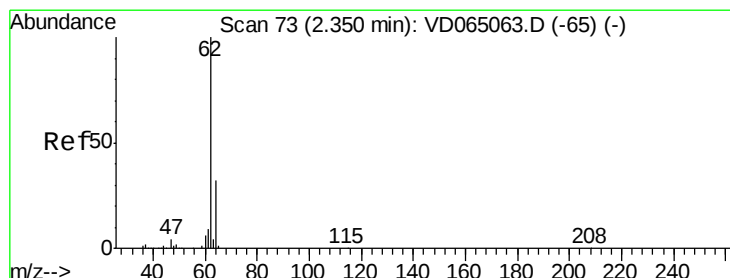
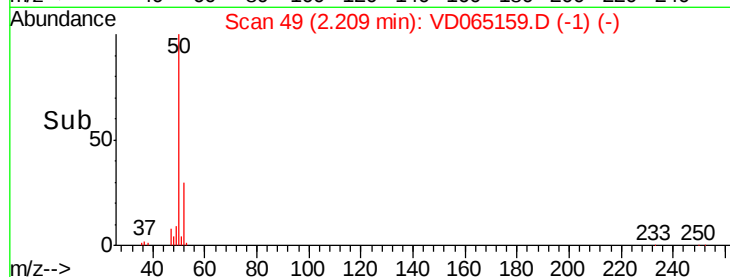
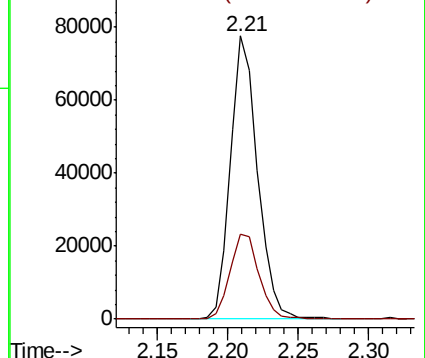
50 100

52 30.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.092 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065159.D

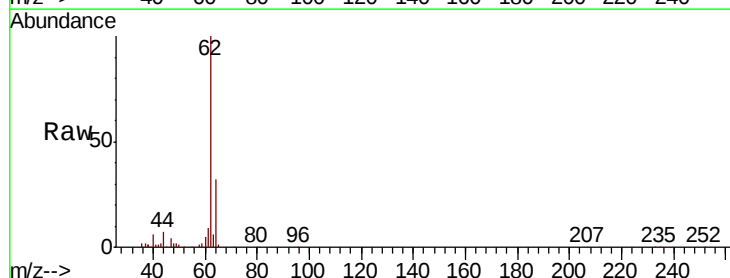
Acq: 12 Feb 2020 11:31

Tgt Ion: 62 Resp: 105842

Ion Ratio Lower Upper

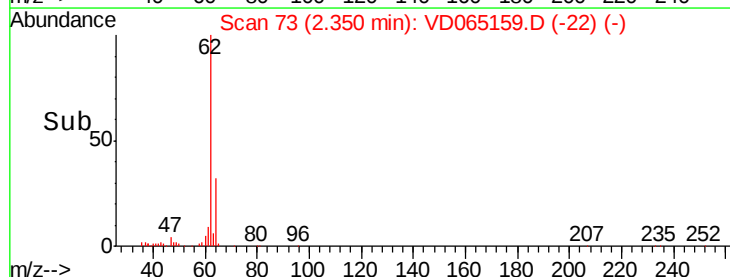
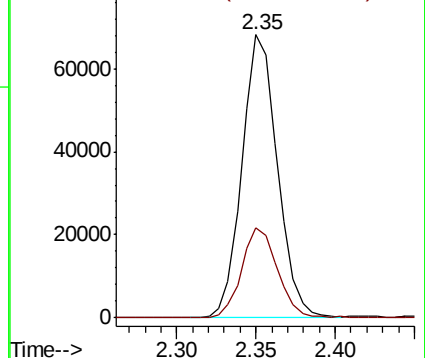
62 100

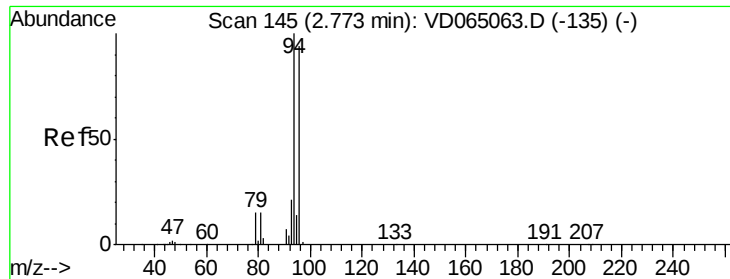
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.622 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

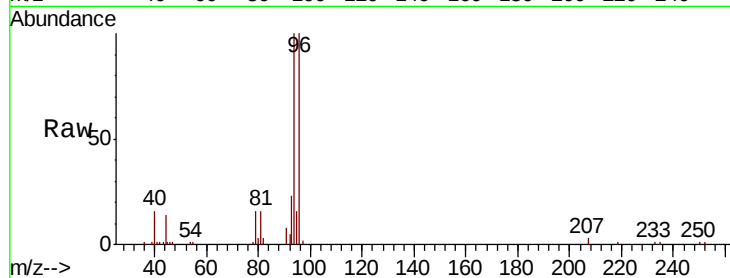
ClientSampled :

Tot Ion: 94 Resp: 63845

Ion Ratio Lower Upper

94 100

96 98.8 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

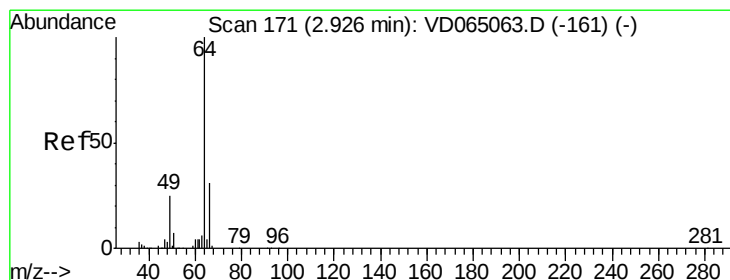
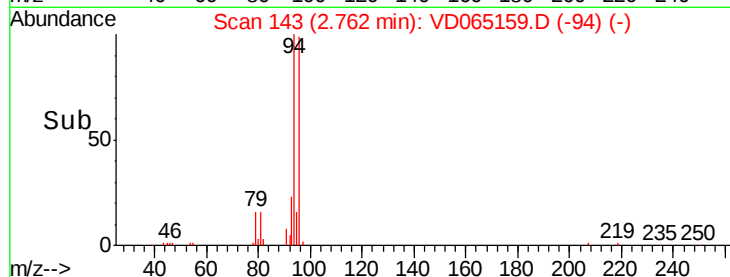
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 20.851 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065159.D

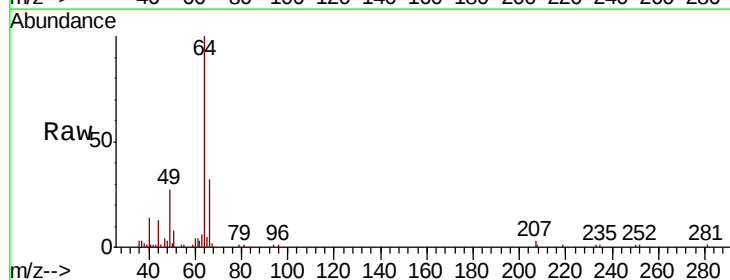
Acq: 12 Feb 2020 11:31

Tgt Ion: 64 Resp: 64904

Ion Ratio Lower Upper

64 100

66 32.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

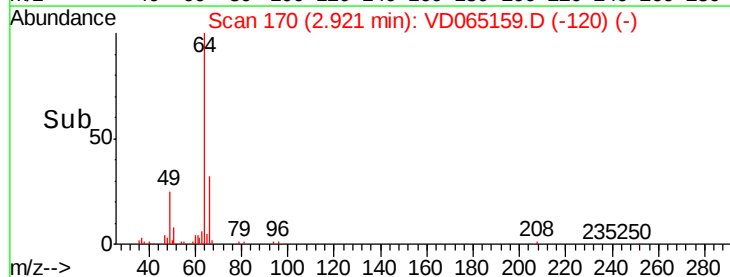
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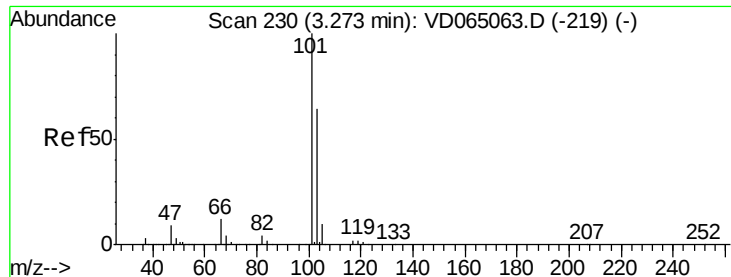
10000

0

2.80 2.90 3.00

Time-->



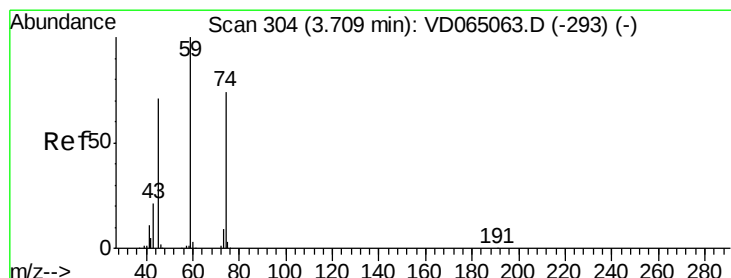
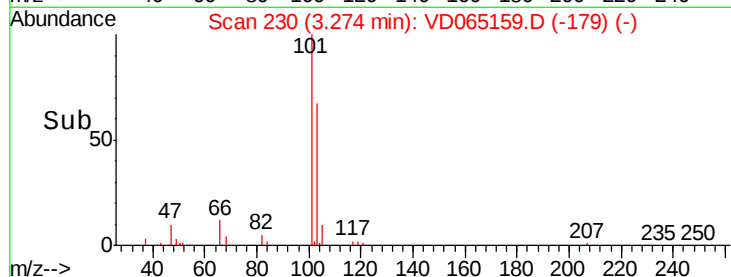
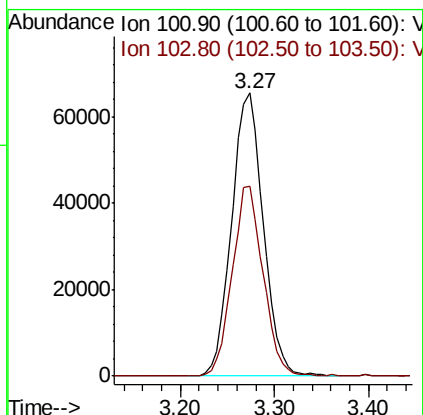
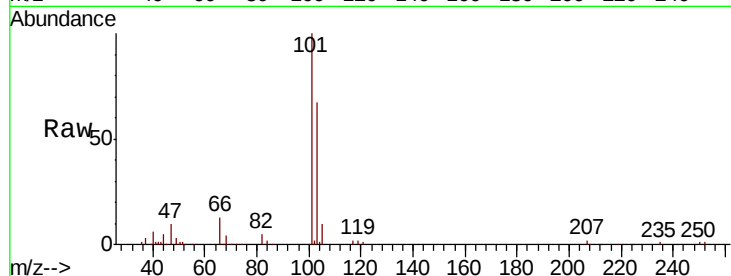


#7

Trichlorofluoromethane
 Concen: 20.976 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

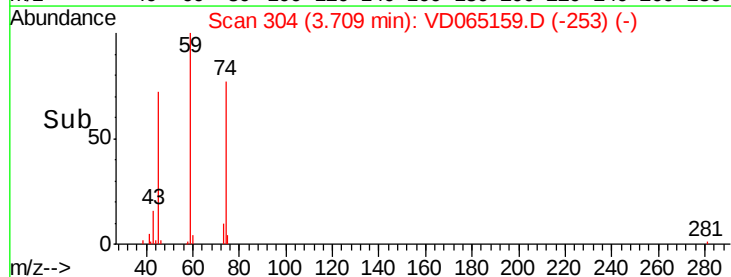
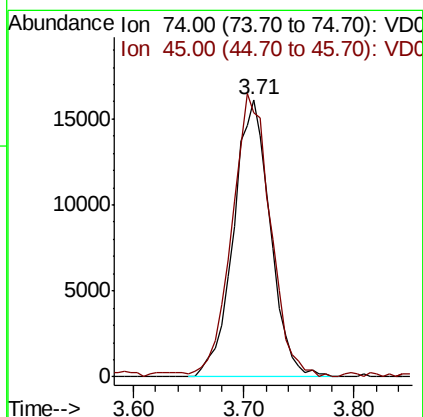
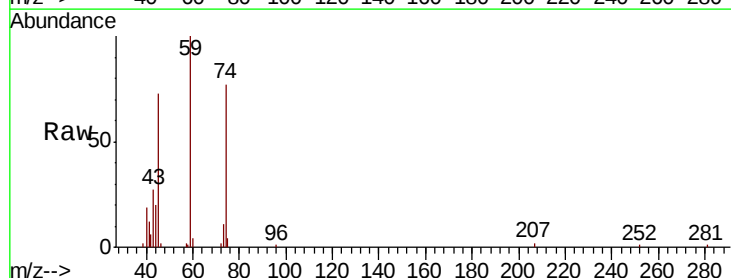
Tot Ion:101 Resp: 153181
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.0 76.6

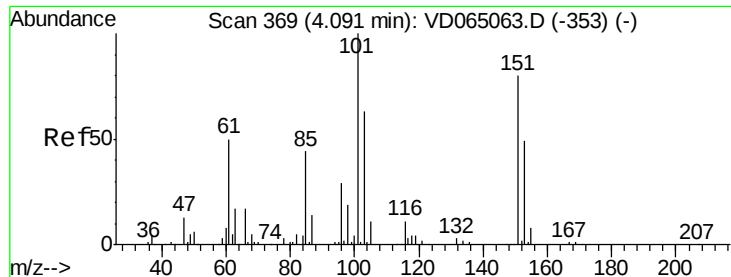


#8

Diethyl Ether
 Concen: 17.942 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion: 74 Resp: 37615
 Ion Ratio Lower Upper
 74 100
 45 107.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.747 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

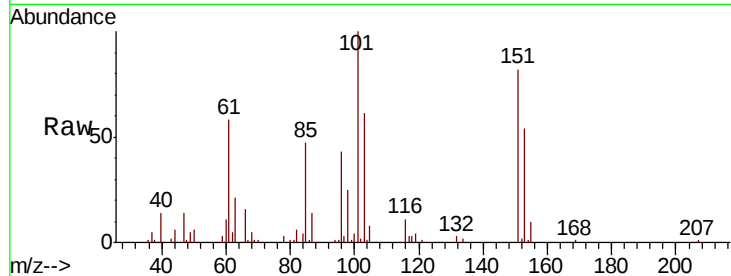
Tot Ion:101 Resp: 92625

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

151 78.8 64.0 96.0

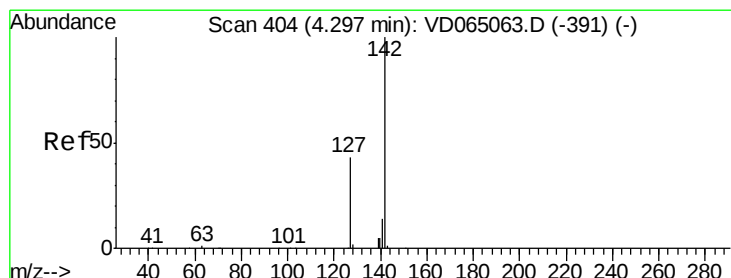
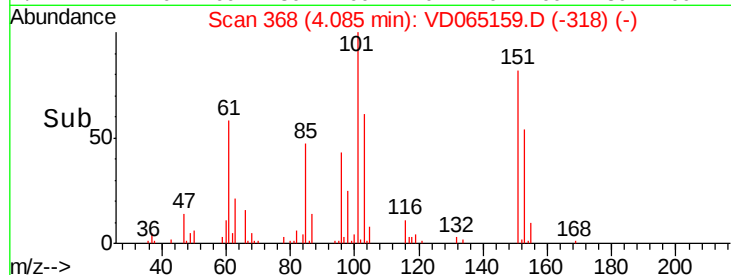
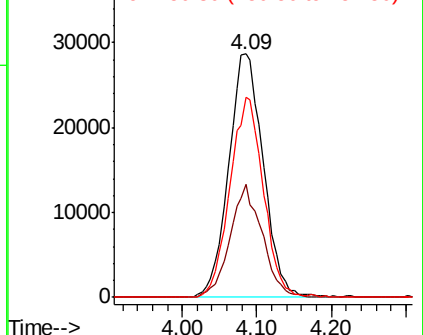


Abundance

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: 16.635 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

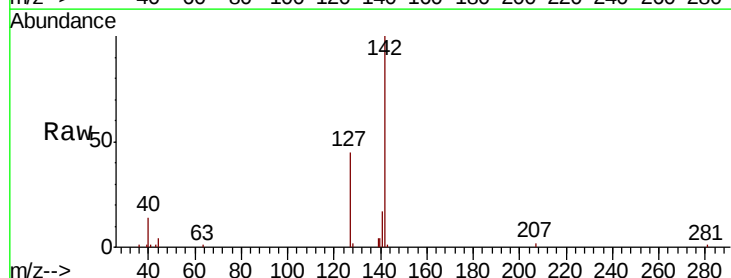
Tgt Ion:142 Resp: 84764

Ion Ratio Lower Upper

142 100

127 44.6 34.0 51.0

141 14.8 11.6 17.4

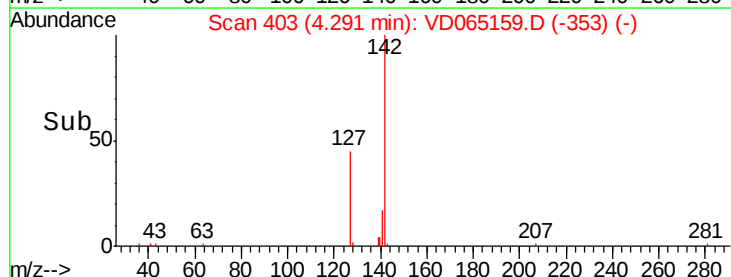
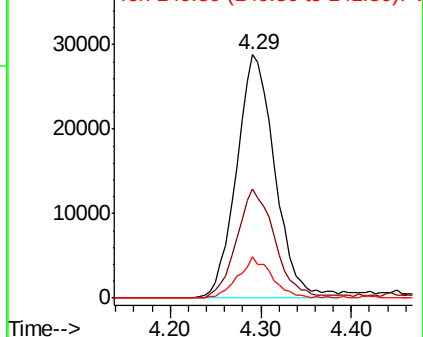


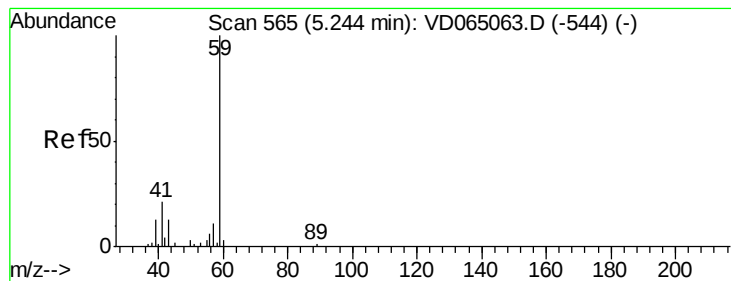
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



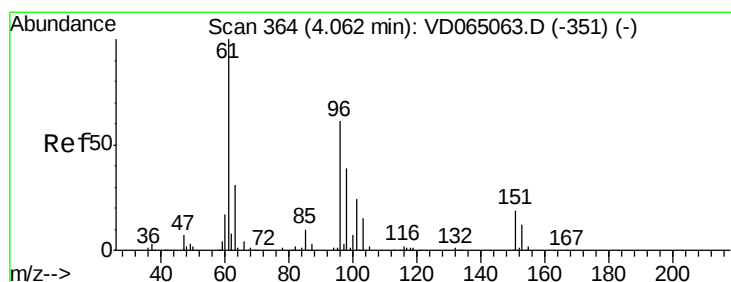
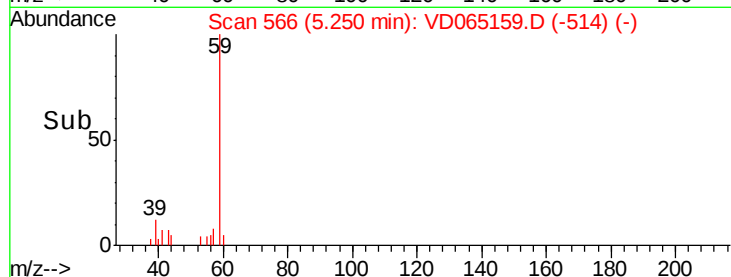
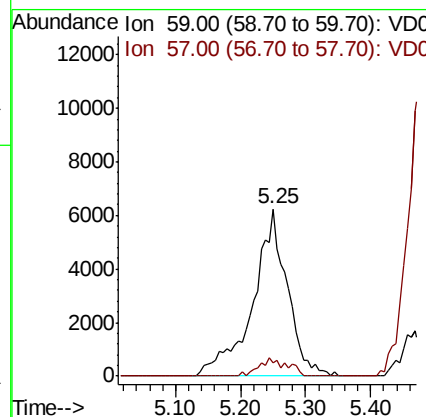
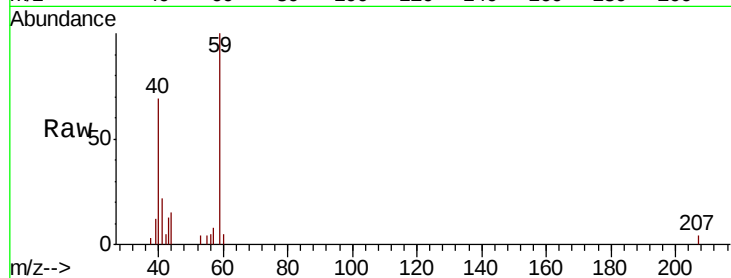


#11

Tert butyl alcohol
Concen: 90.967 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

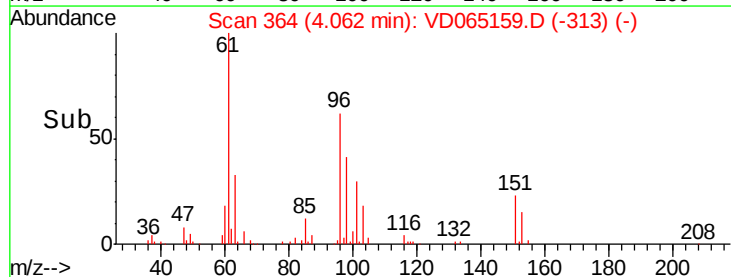
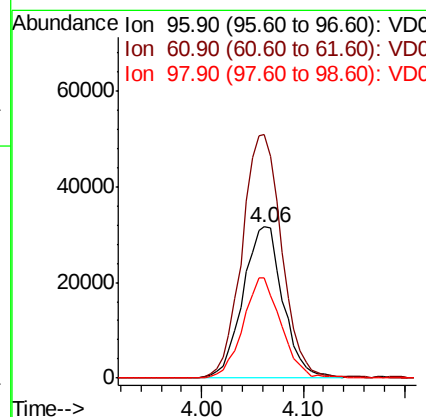
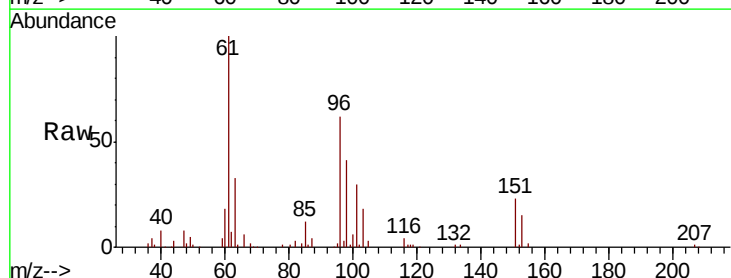
Tot Ion: 59 Resp: 22881
Ion Ratio Lower Upper
59 100
57 7.2 8.8 13.2#

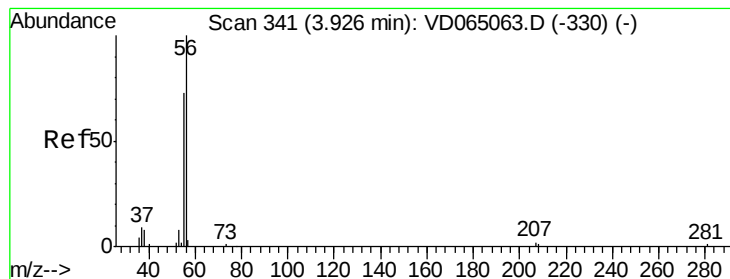


#12

1,1-Dichloroethene
Concen: 20.279 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 96 Resp: 86705
Ion Ratio Lower Upper
96 100
61 161.2 131.4 197.2
98 66.1 51.1 76.7





#13

Acrolein

Concen: 79.072 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

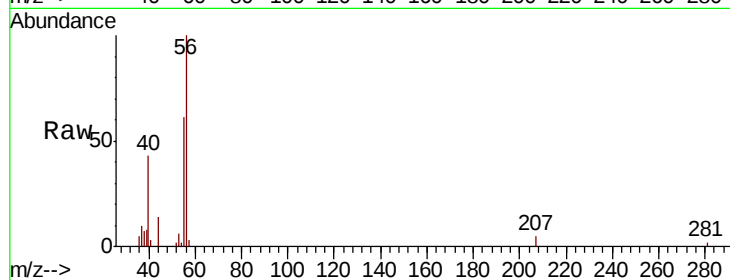
ClientSampleId :

Tot Ion: 56 Resp: 24463

Ion Ratio Lower Upper

56 100

55 68.6 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

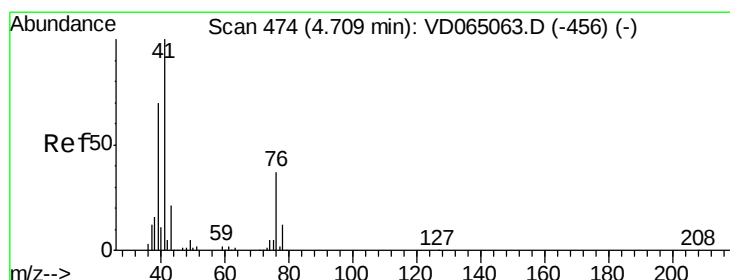
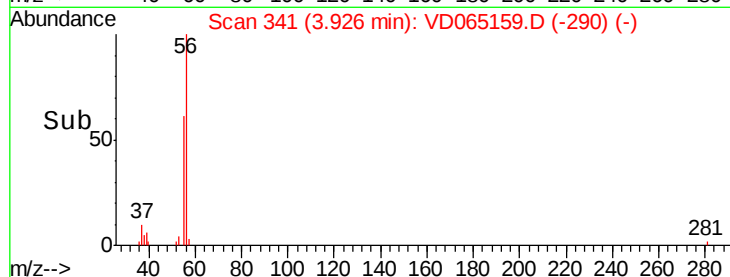
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.199 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

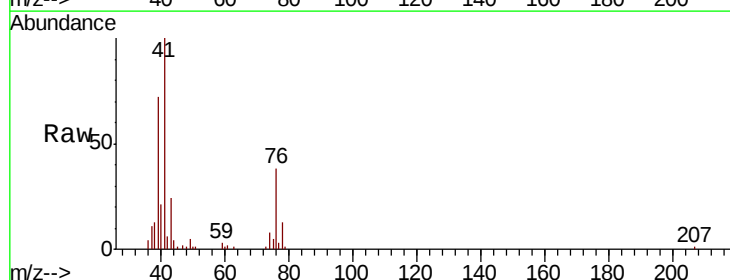
Tgt Ion: 41 Resp: 136432

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

76 35.9 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

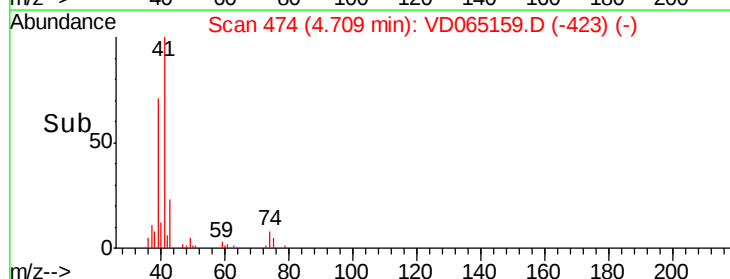
30000

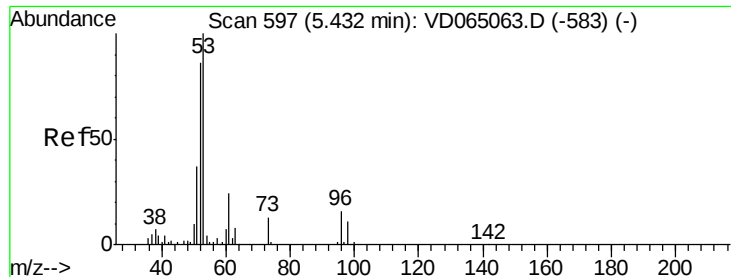
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 92.122 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

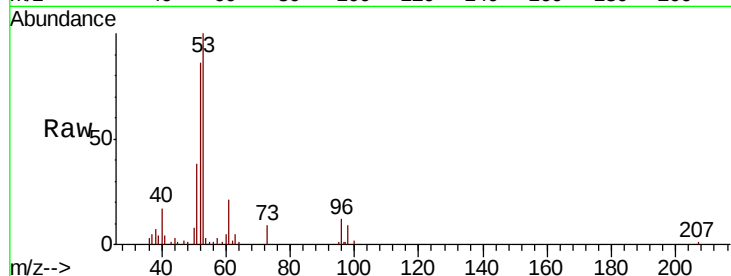
Tot Ion: 53 Resp: 84435

Ion Ratio Lower Upper

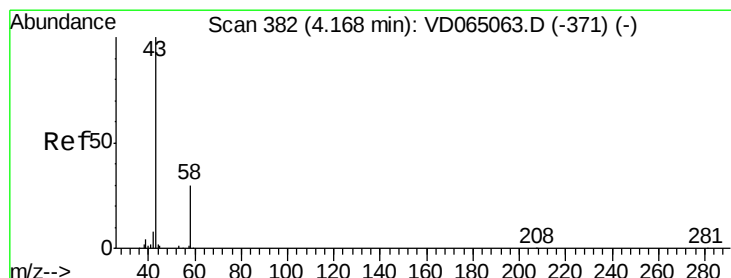
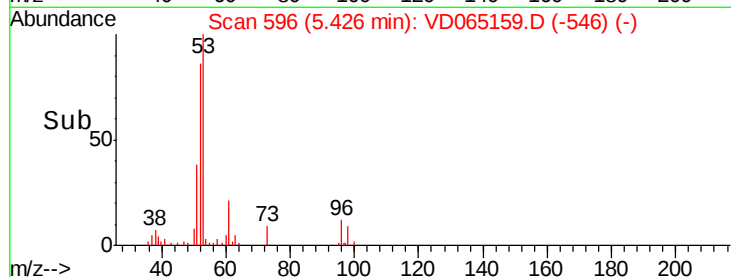
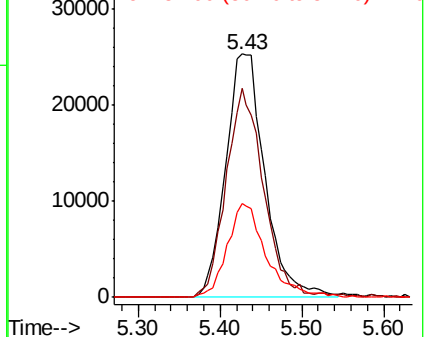
53 100

52 81.5 66.2 99.2

51 37.9 30.4 45.6



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: 84.137 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065159.D

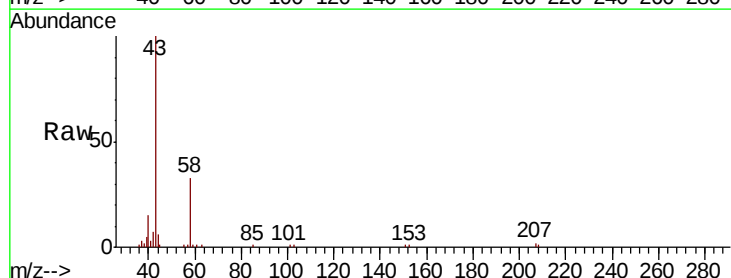
Acq: 12 Feb 2020 11:31

Tgt Ion: 43 Resp: 86600

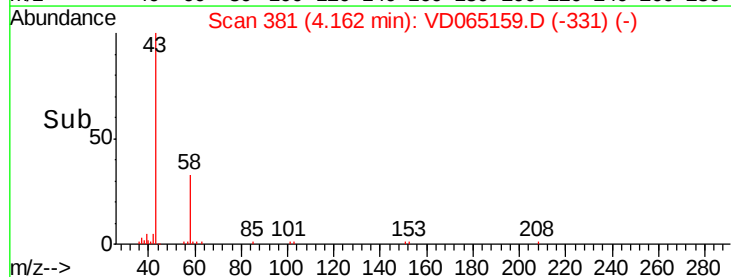
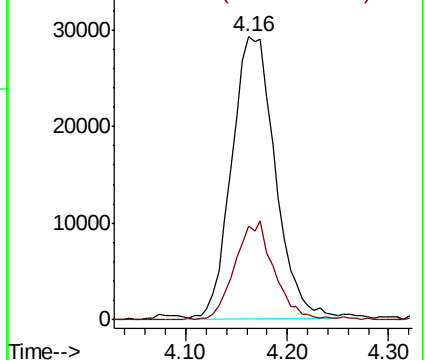
Ion Ratio Lower Upper

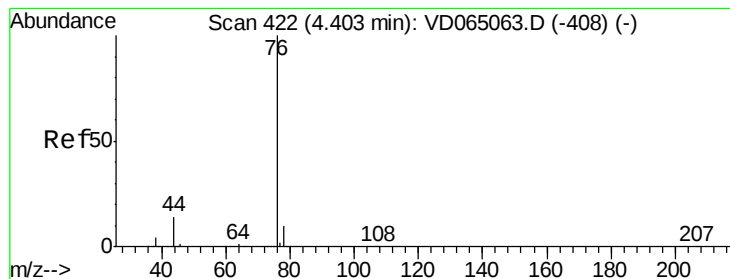
43 100

58 32.7 23.5 35.3



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





#17

Carbon Disulfide

Concen: 20.438 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

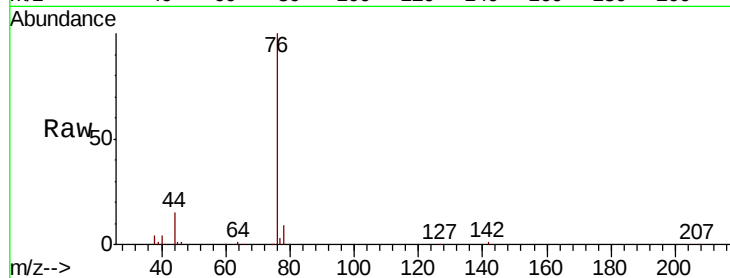
ClientSampled :

Tot Ion: 76 Resp: 280585

Ion Ratio Lower Upper

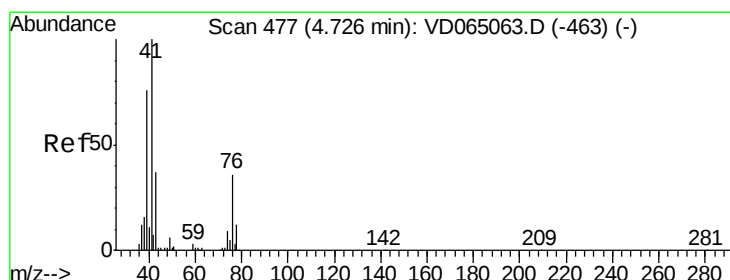
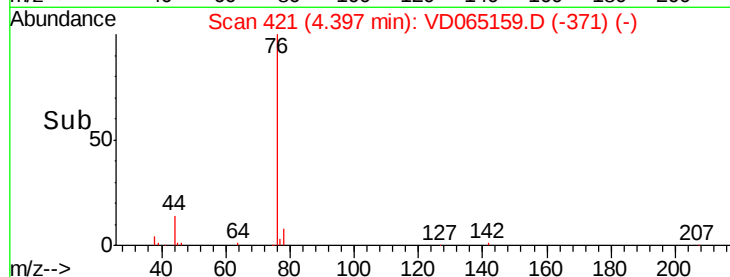
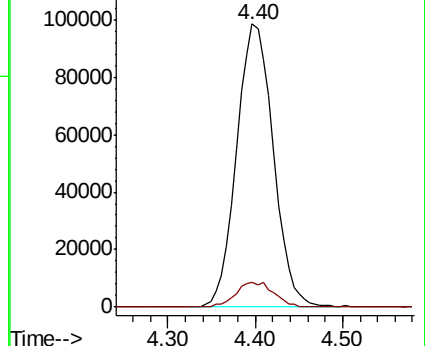
76 100

78 8.9 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.833 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065159.D

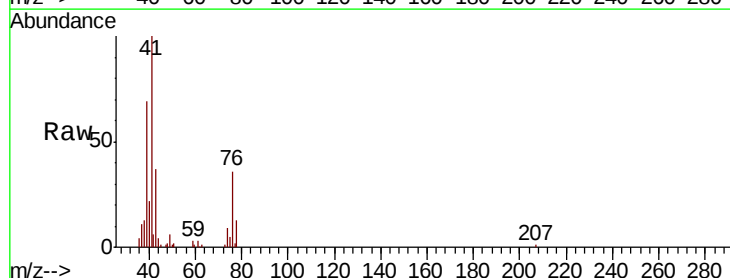
Acq: 12 Feb 2020 11:31

Tgt Ion: 43 Resp: 44801

Ion Ratio Lower Upper

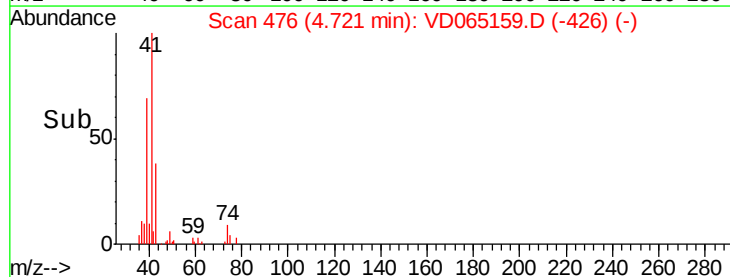
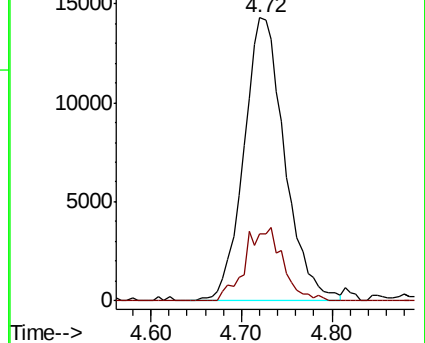
43 100

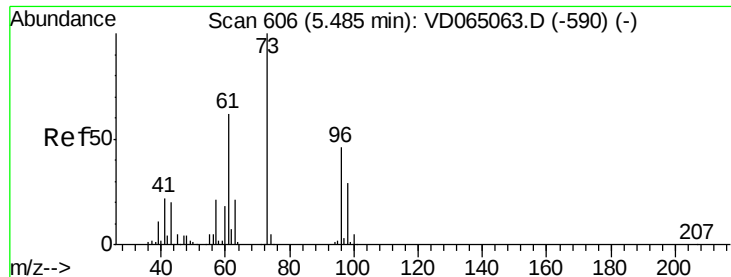
74 24.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

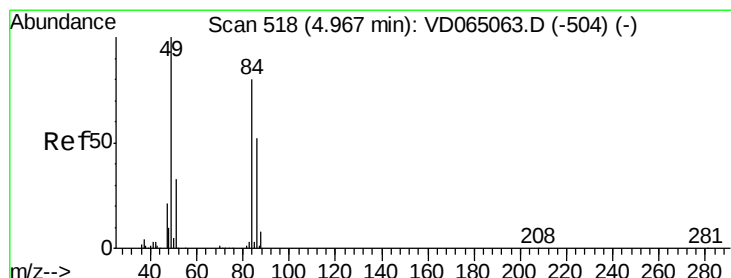
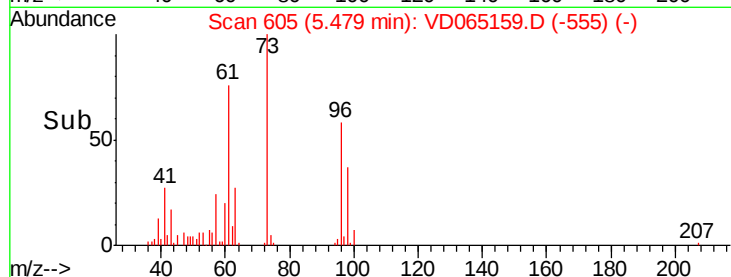
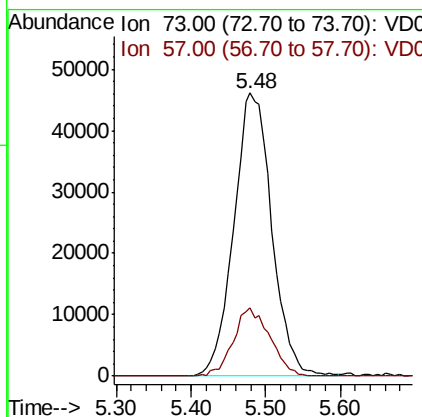
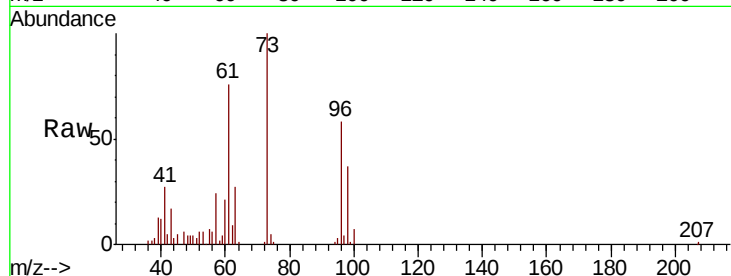




#19
Methvl tert-butvl Ether
Concen: 17.197 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

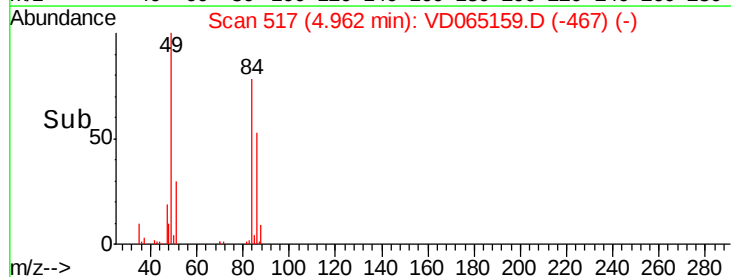
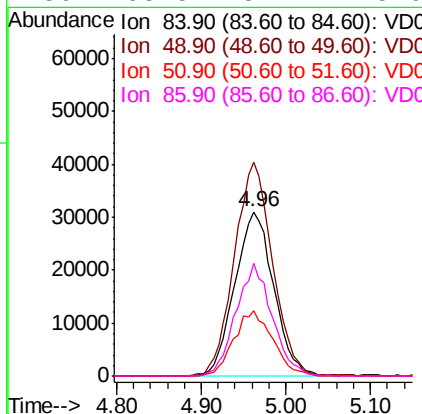
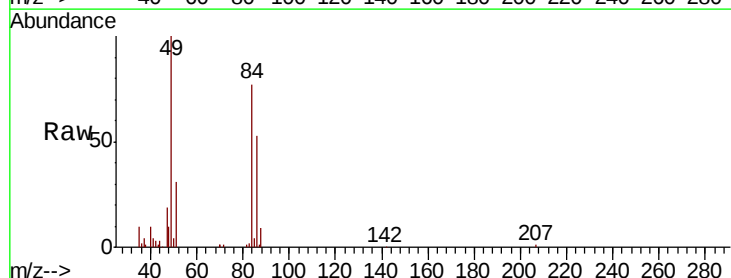
Instrument :
MSVOA_D
ClientSampleId :

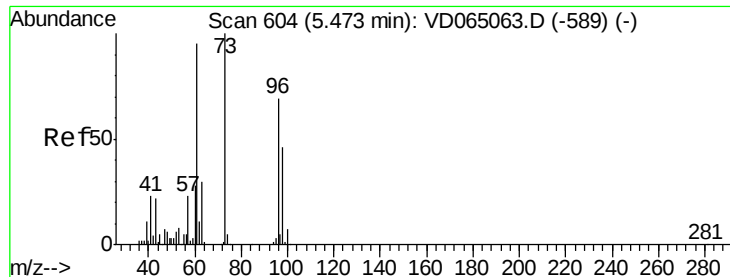
Tot Ion: 73 Resp: 162594
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2



#20
Methylene Chloride
Concen: 19.457 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 84 Resp: 99087
Ion Ratio Lower Upper
84 100
49 130.1 100.4 150.6
51 39.7 32.7 49.1
86 68.5 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.795 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

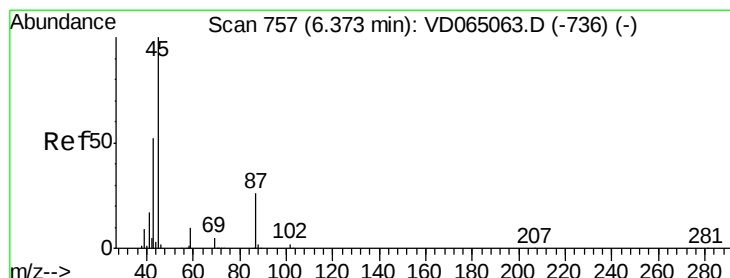
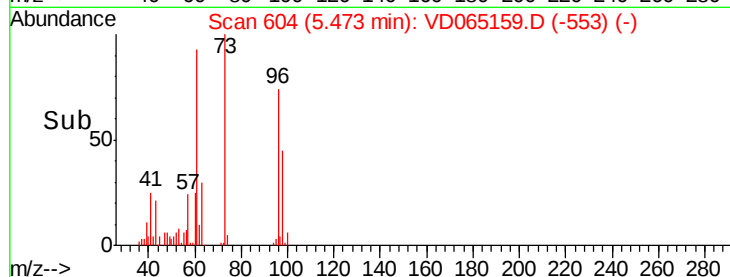
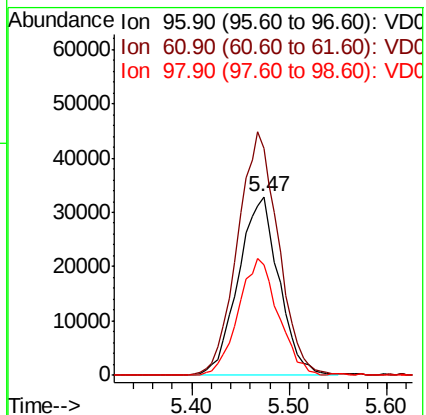
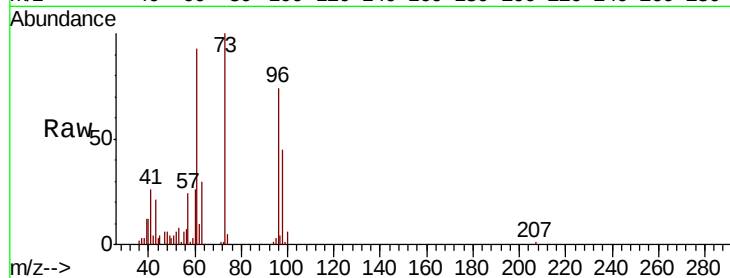
Tot Ion: 96 Resp: 95759

Ion Ratio Lower Upper

96 100

61 126.5 109.5 164.3

98 61.6 53.7 80.5



#22

Diisopropyl ether

Concen: 19.372 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion: 45 Resp: 259662

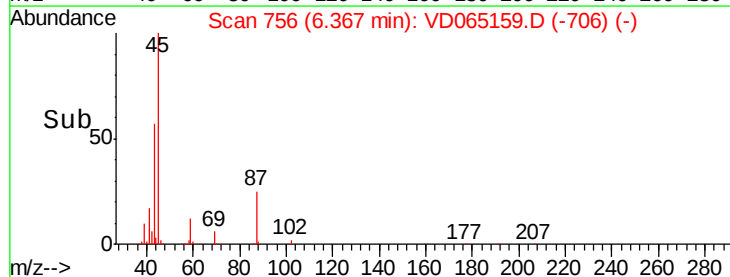
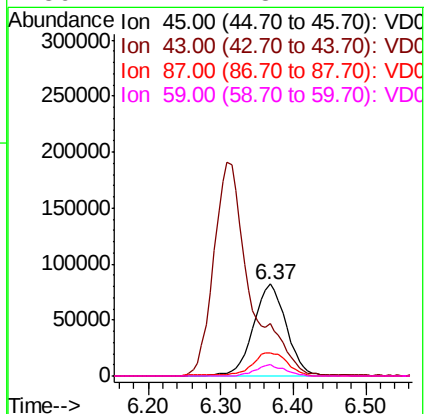
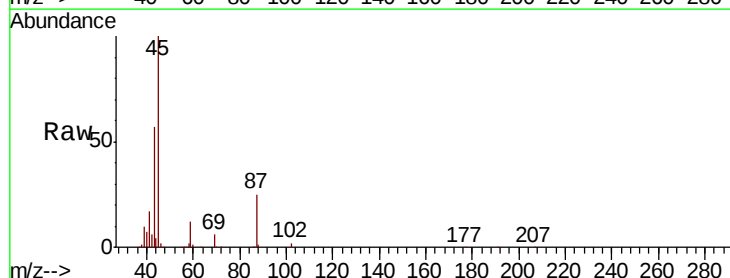
Ion Ratio Lower Upper

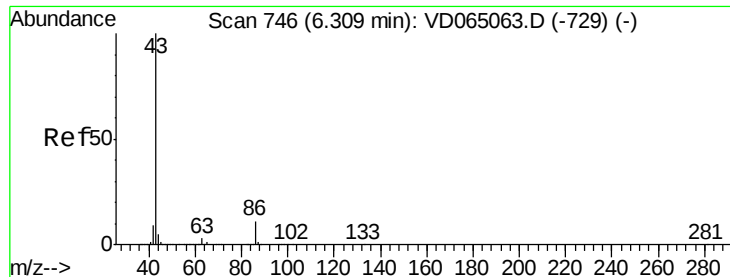
45 100

43 56.4 41.3 61.9

87 25.0 21.0 31.6

59 12.4 8.2 12.4#





#23

Vinyl Acetate

Concen: 88.887 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

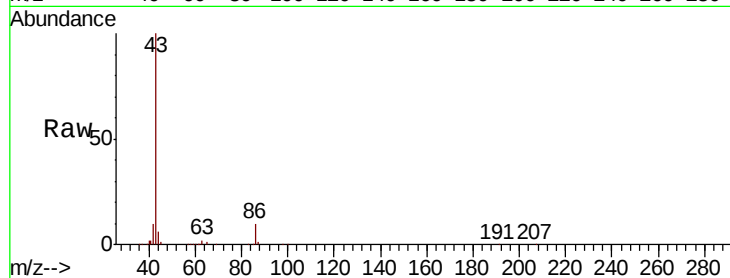
ClientSampleId :

Tot Ion: 43 Resp: 664078

Ion Ratio Lower Upper

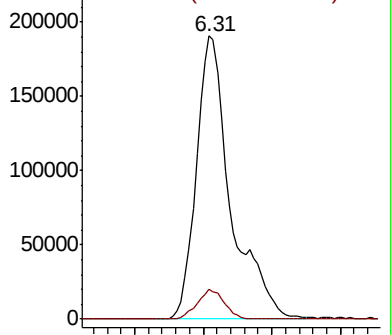
43 100

86 10.4 8.5 12.7

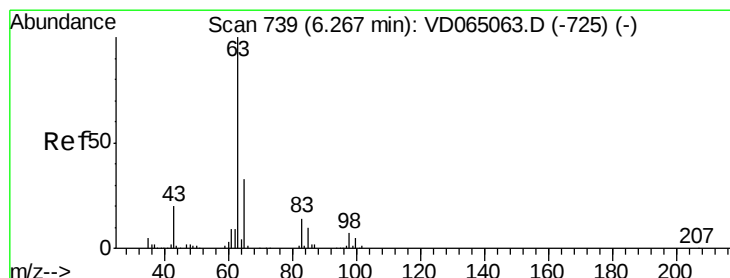
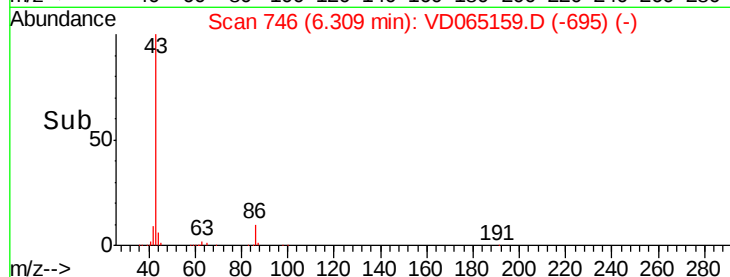


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

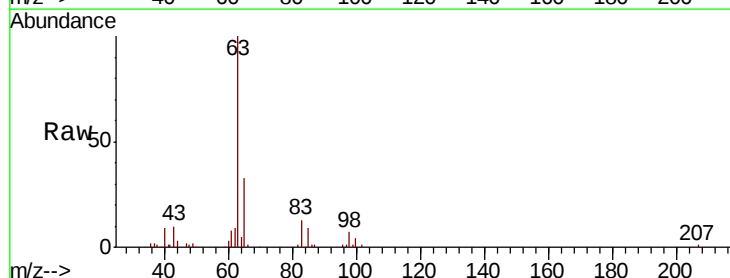
Tgt Ion: 63 Resp: 163114

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

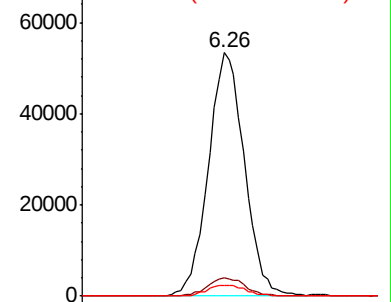
100 4.2 2.5 7.6



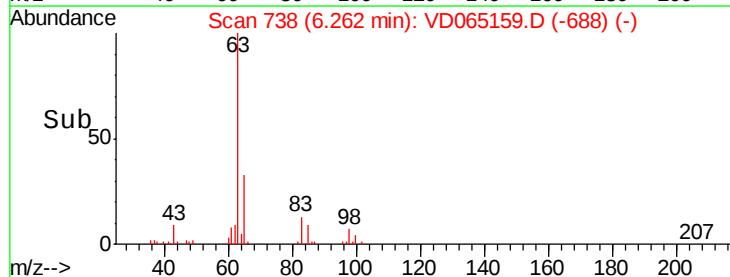
Abundance Ion 62.90 (62.60 to 63.60): VDC

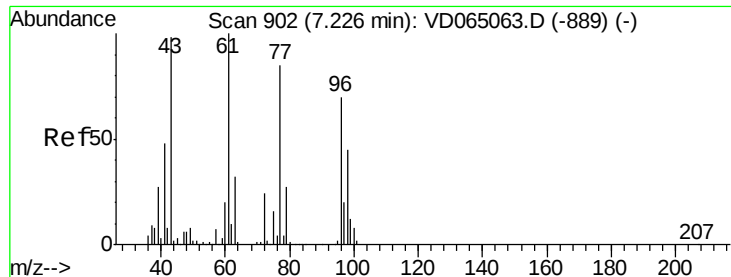
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 86.545 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

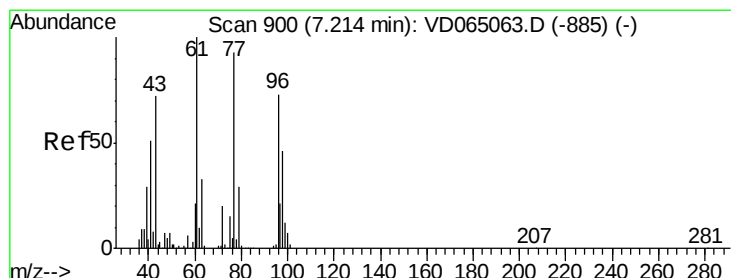
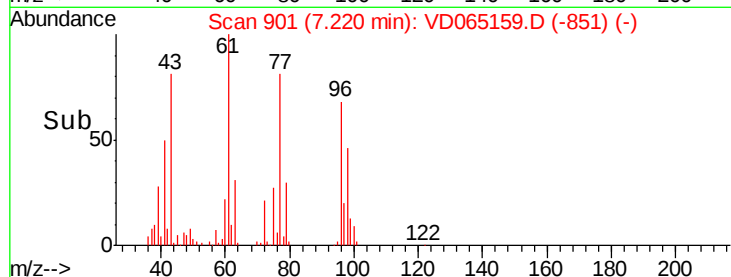
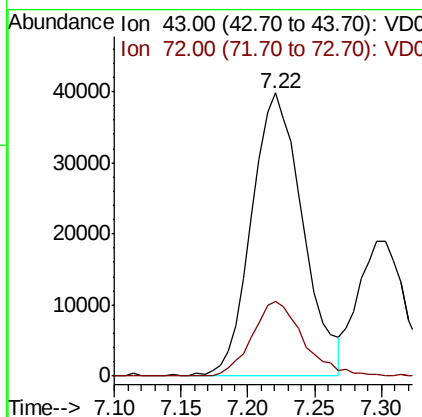
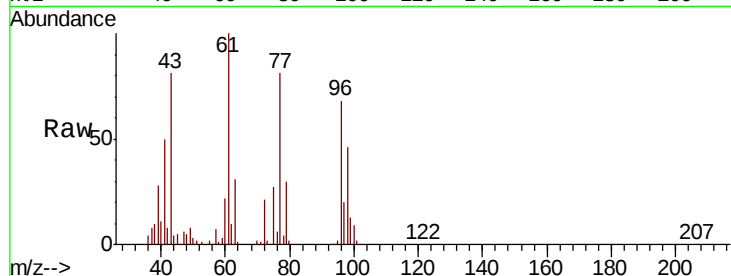
ClientSampled :

Tot Ion: 43 Resp: 106257

Ion Ratio Lower Upper

43 100

72 26.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.390 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065159.D

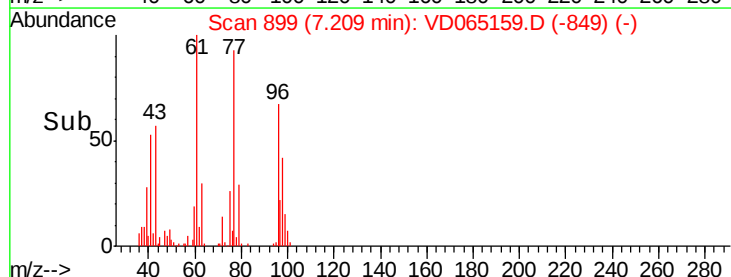
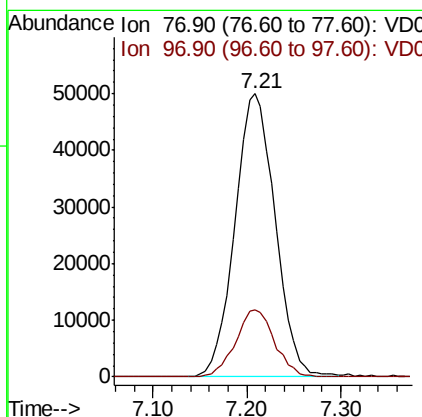
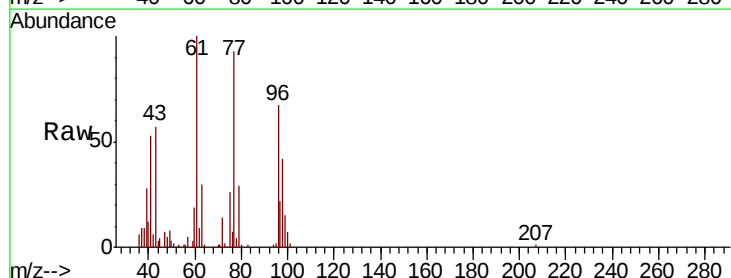
Acq: 12 Feb 2020 11:31

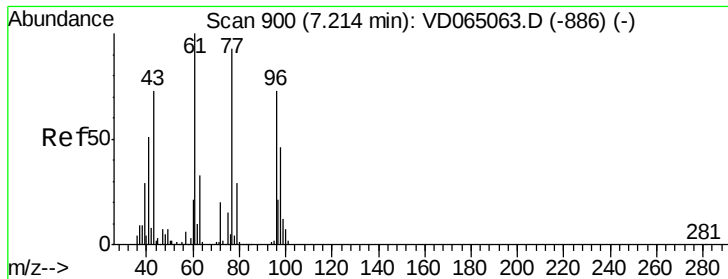
Tgt Ion: 77 Resp: 148278

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.6



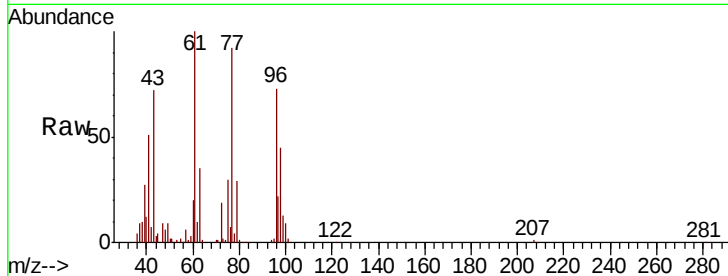


#27

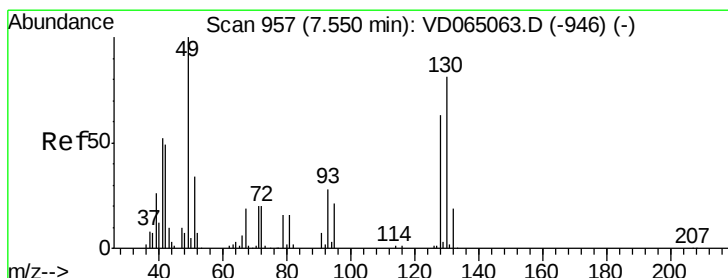
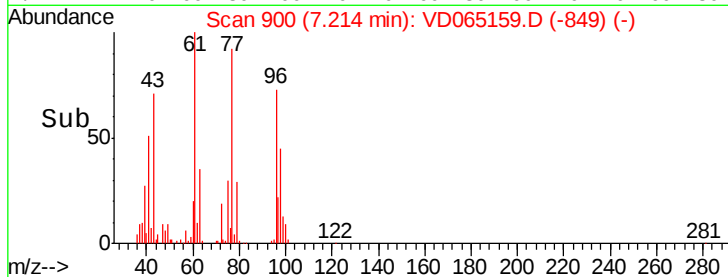
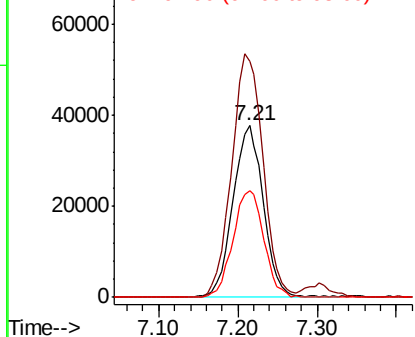
cis-1,2-Dichloroethene
Concen: 19.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	292.8
98	62.9	0.0	128.8



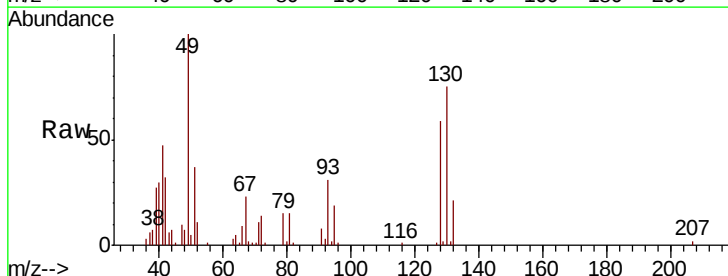
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



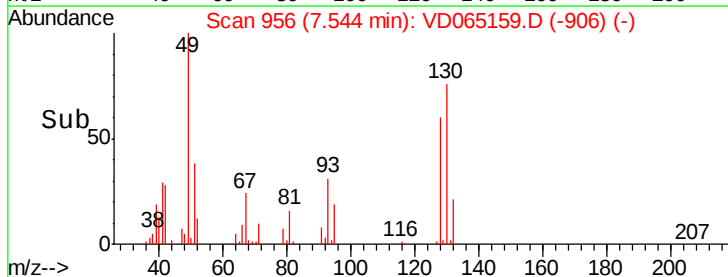
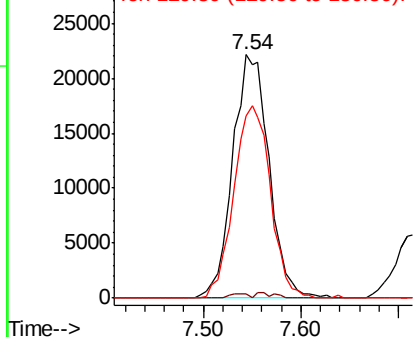
#28

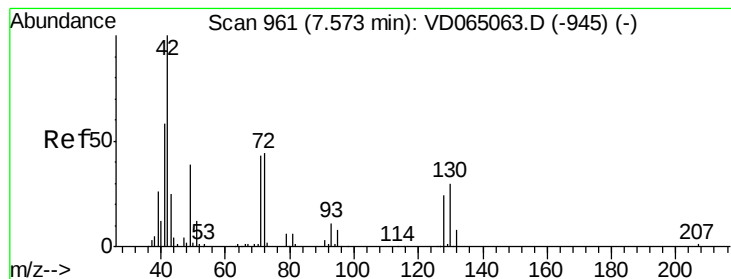
Bromochloromethane
Concen: 18.661 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.4
130	79.5	63.8	95.8



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: 88.679 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

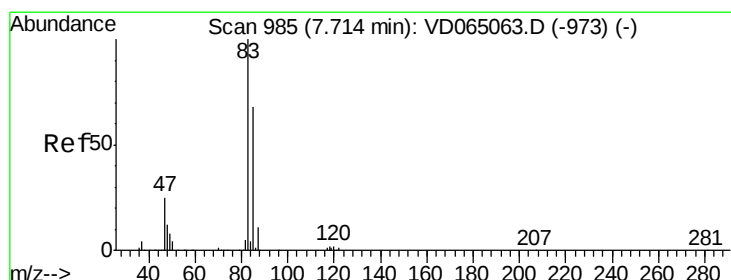
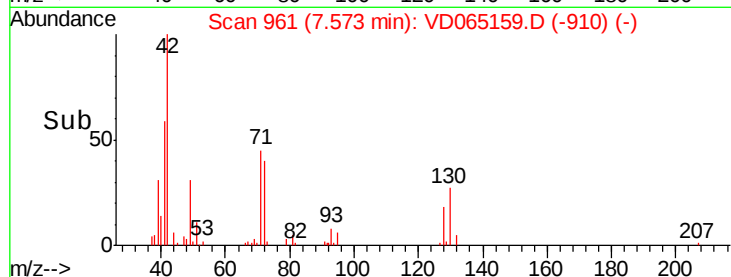
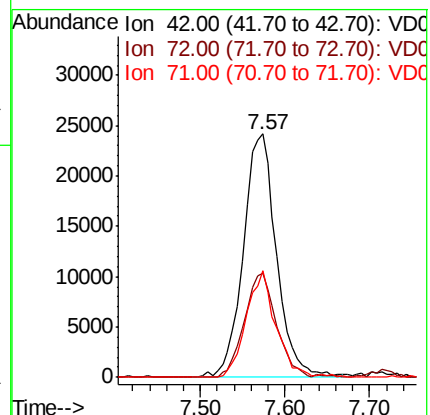
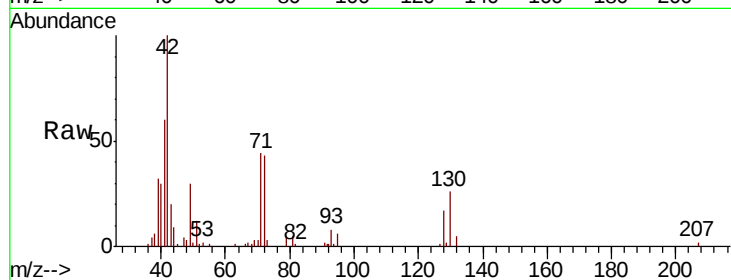
Tot Ion: 42 Resp: 65842

Ion Ratio Lower Upper

42 100

72 41.2 34.2 51.4

71 39.0 31.8 47.6



#30

Chloroform

Concen: 21.035 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065159.D

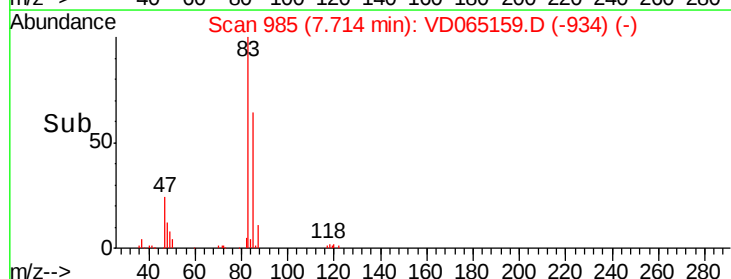
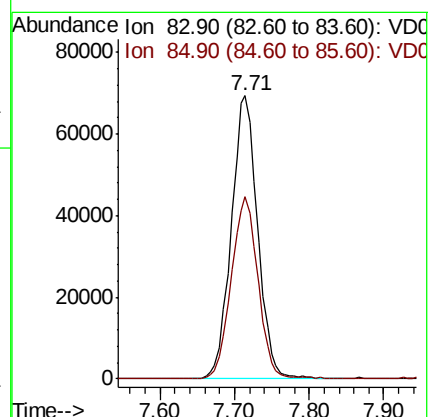
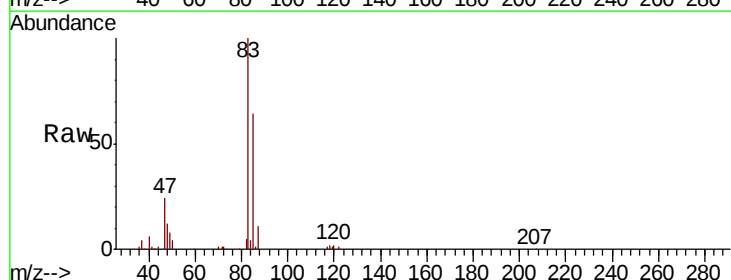
Acq: 12 Feb 2020 11:31

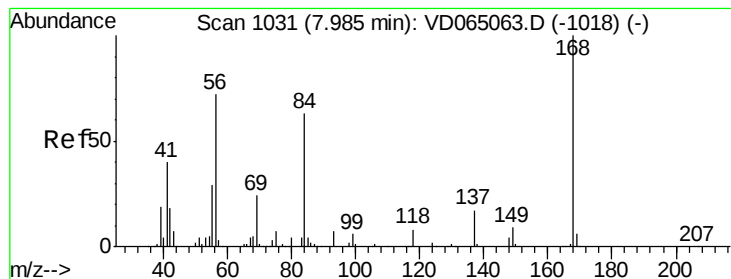
Tgt Ion: 83 Resp: 169928

Ion Ratio Lower Upper

83 100

85 64.4 54.2 81.4





#31

Cyclohexane

Concen: 19.555 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

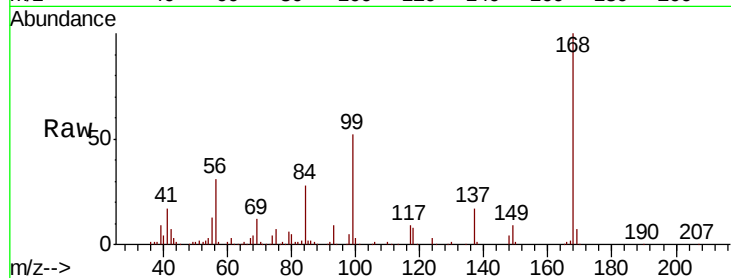
Tot Ion: 56 Resp: 160149

Ion Ratio Lower Upper

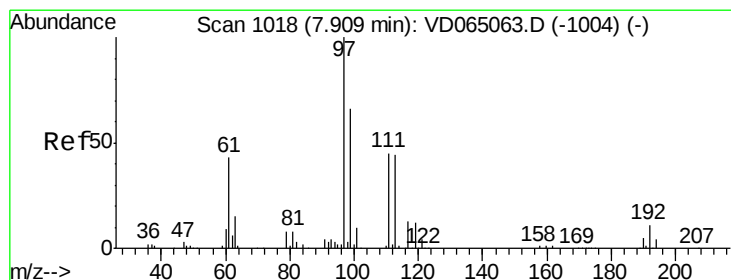
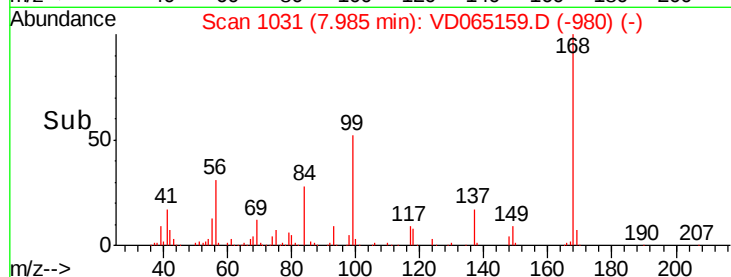
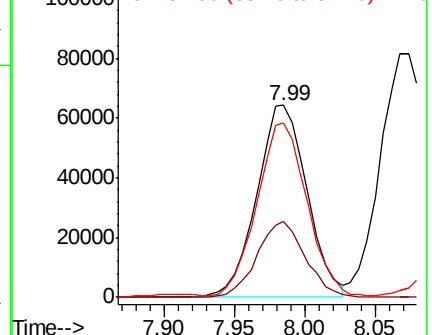
56 100

69 39.4 26.6 40.0

84 89.8 70.6 106.0



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: 20.733 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

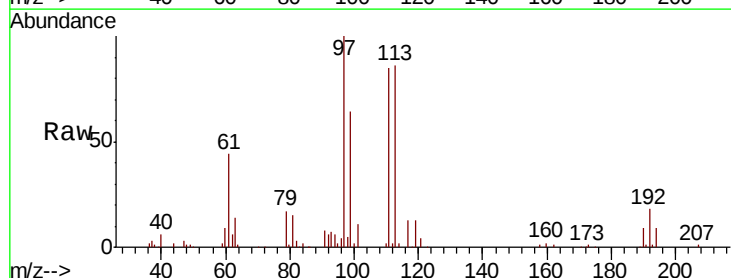
Tgt Ion: 97 Resp: 156018

Ion Ratio Lower Upper

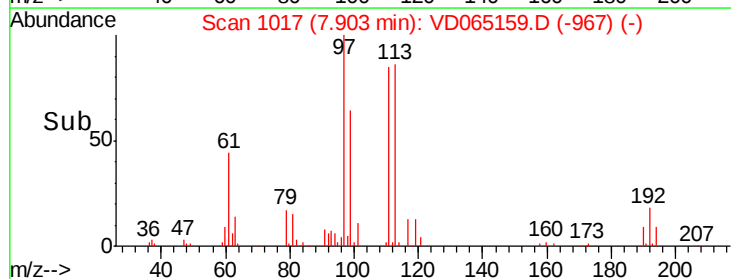
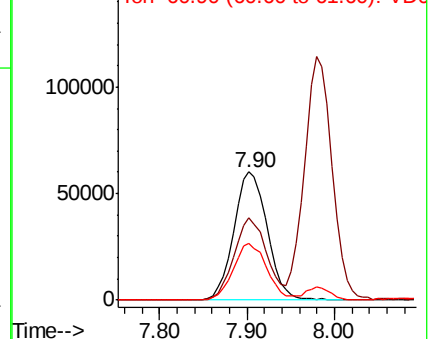
97 100

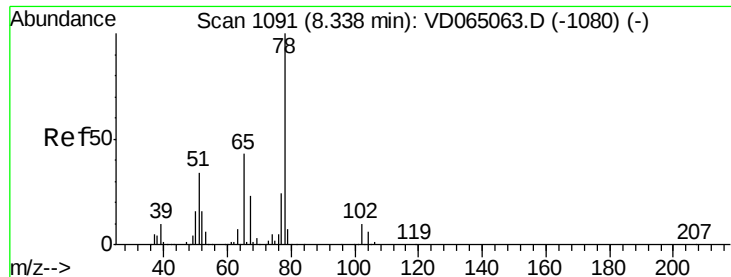
99 63.7 51.5 77.3

61 44.7 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

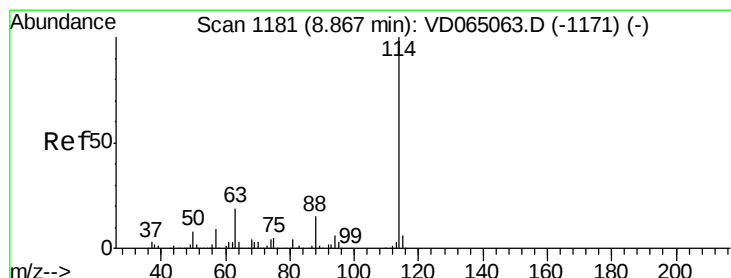
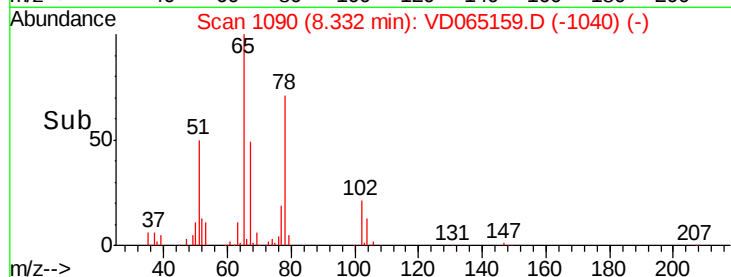
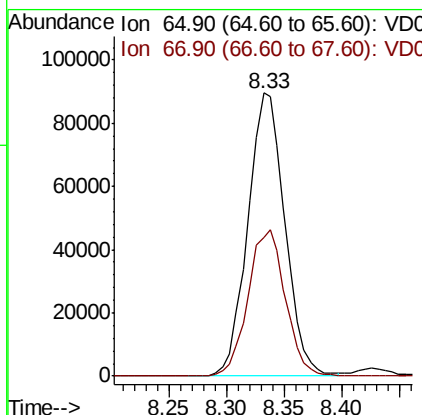
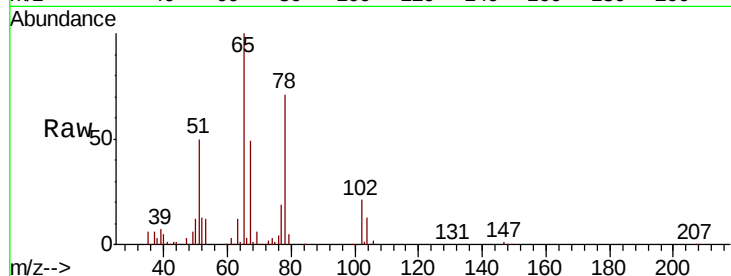




#33
 1,2-Dichloroethane-d4
 Concen: 48.711 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

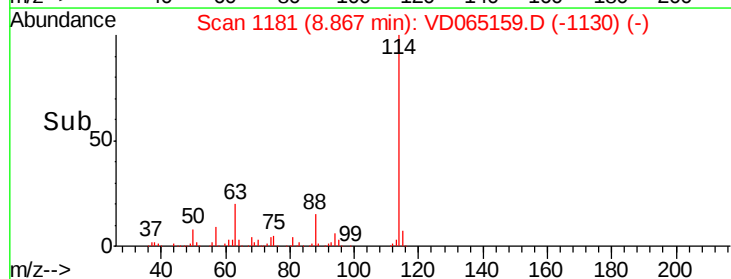
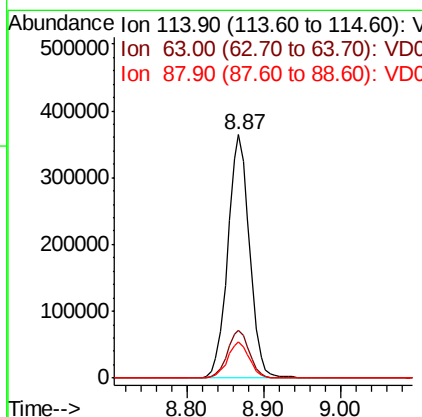
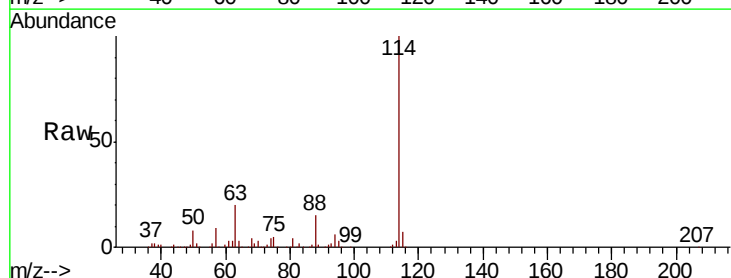
Instrument :
 MSVOA_D
 ClientSampled :

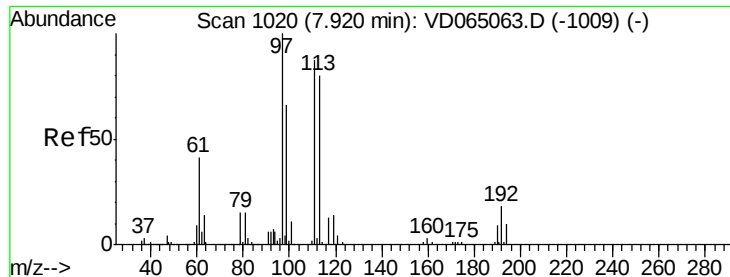
Tot Ion: 65 Resp: 200534
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion: 114 Resp: 716148
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.8
 88 15.0 0.0 29.6

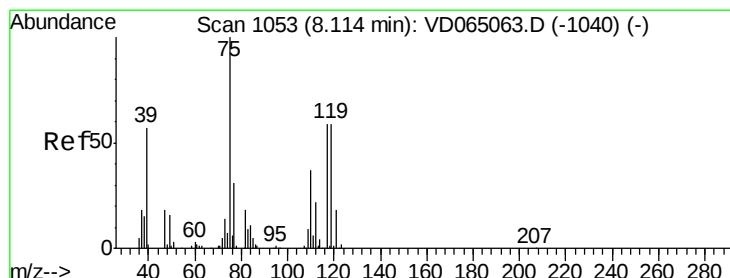
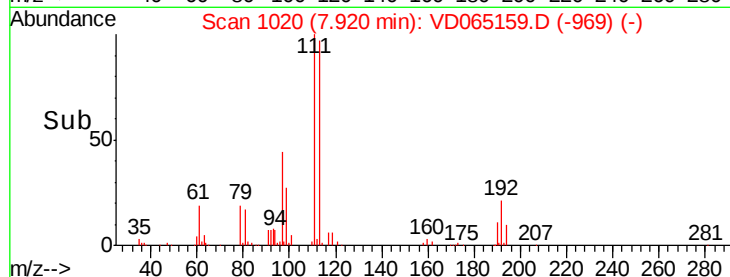
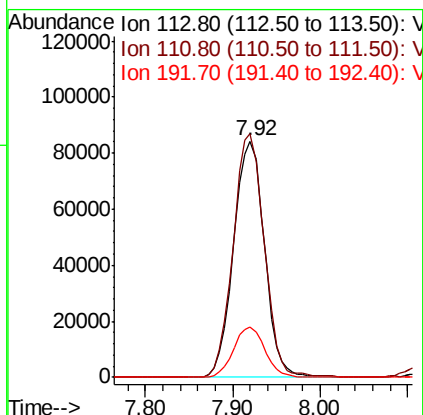
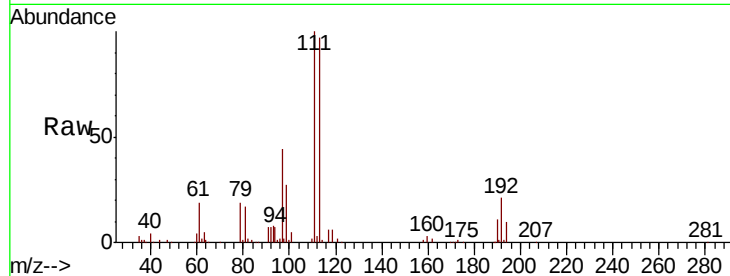




#35
 Dibromofluoromethane
 Concen: 50.391 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

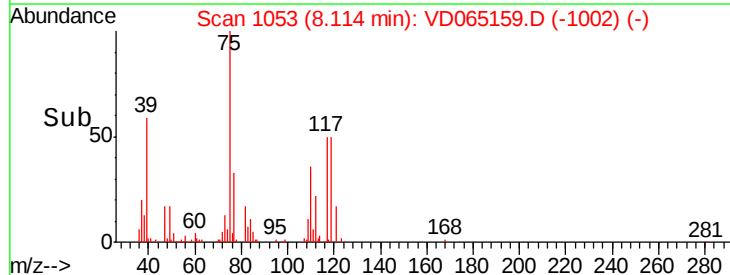
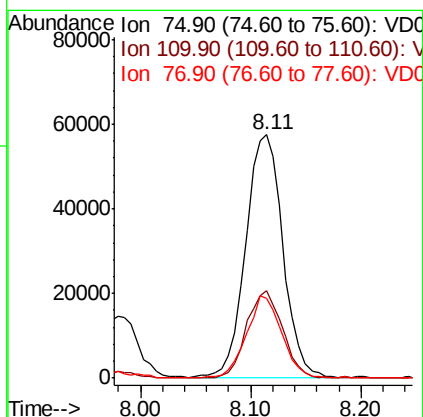
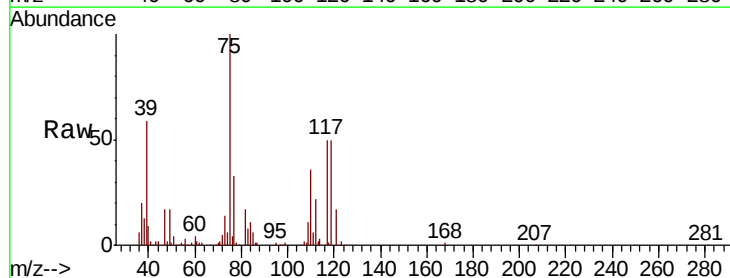
Instrument :
 MSVOA_D
 ClientSampleID :

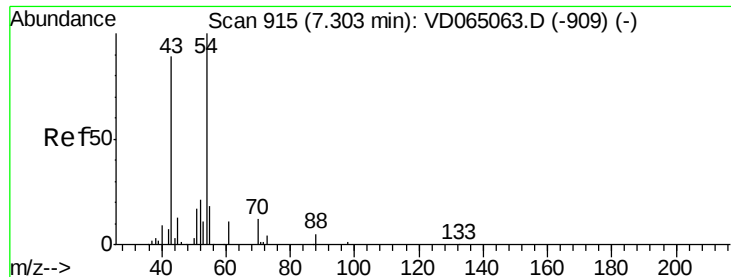
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 20.383 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.1	54.3
77	32.2	24.7	37.1

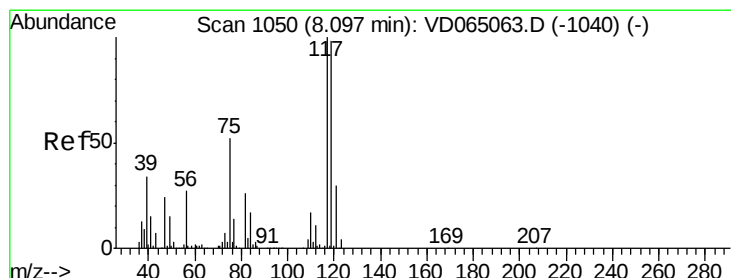
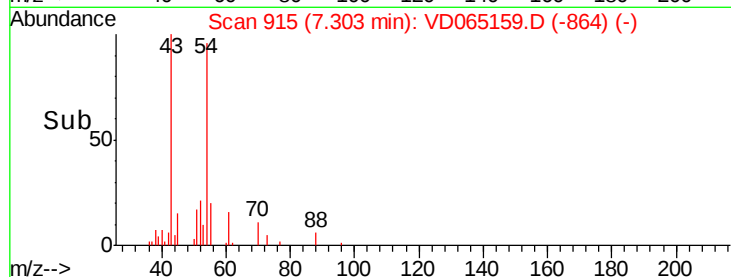
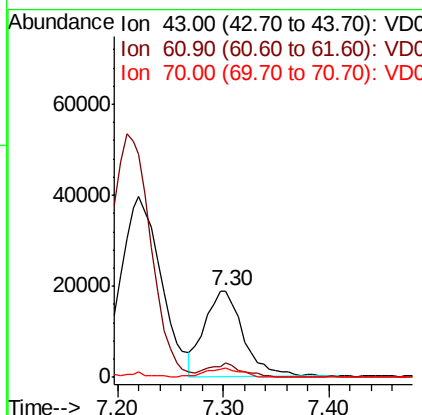
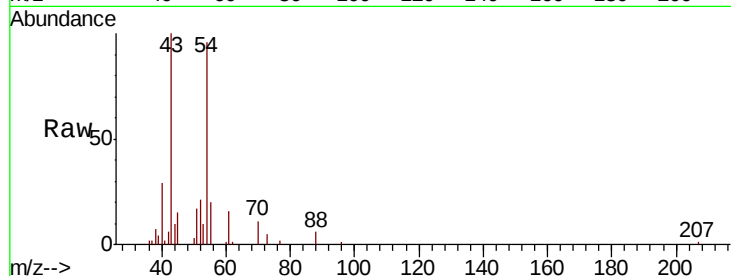




#37
Ethyl Acetate
Concen: 17.857 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

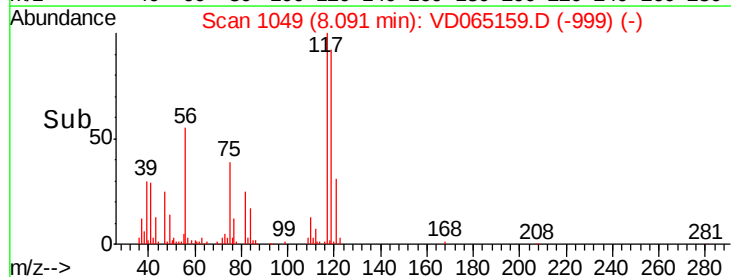
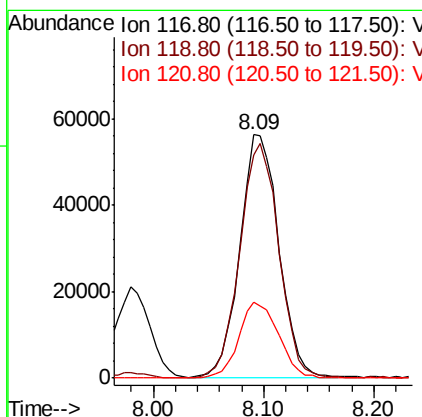
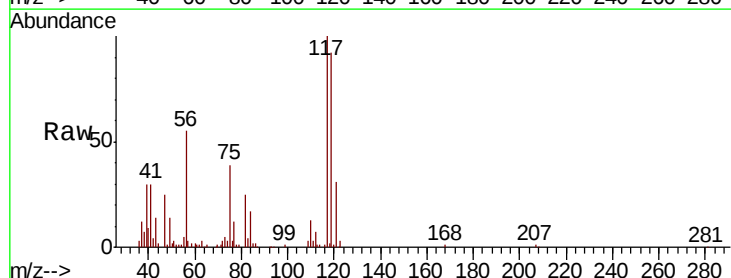
Instrument :
MSVOA_D
ClientSampleId :

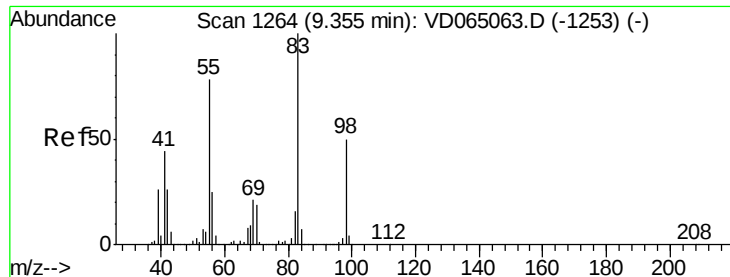
Tot Ion: 43 Resp: 48580
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.4
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.413 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 117 Resp: 138833
Ion Ratio Lower Upper
117 100
119 92.0 78.5 117.7
121 31.2 23.8 35.6

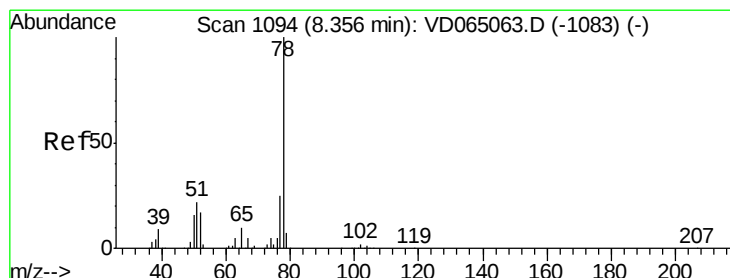
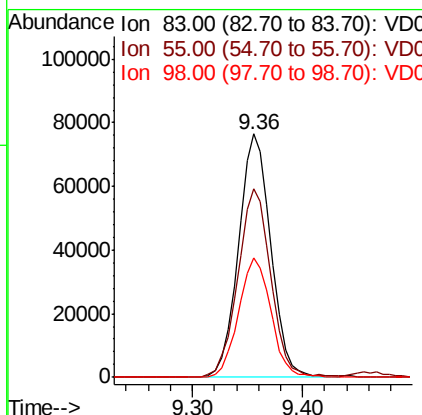
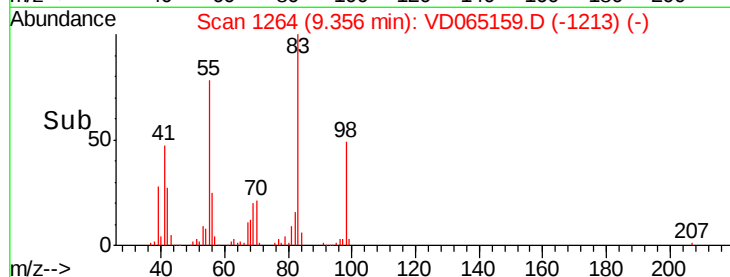
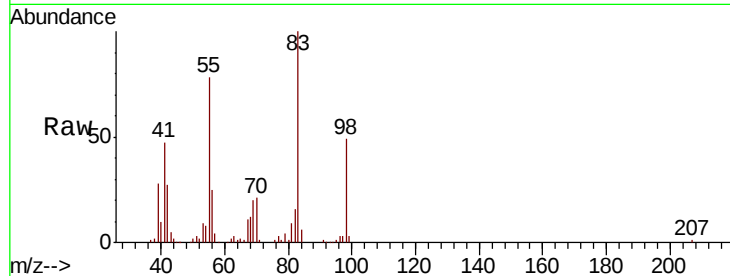




#39
Methvlcvclohexane
Concen: 19.085 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

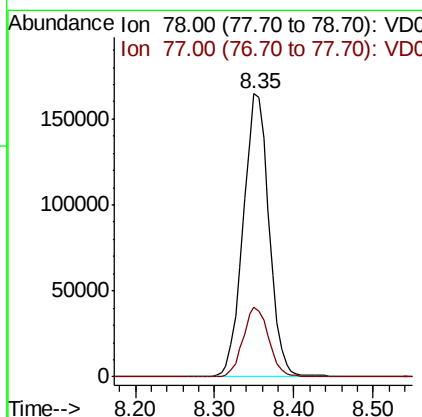
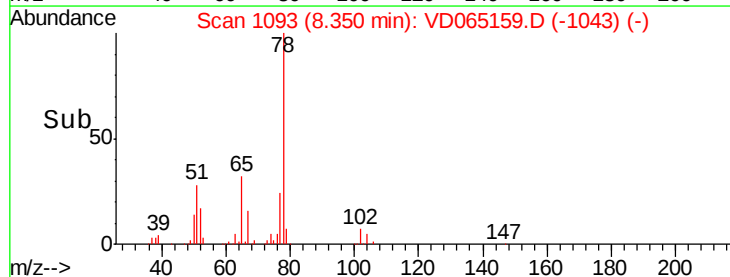
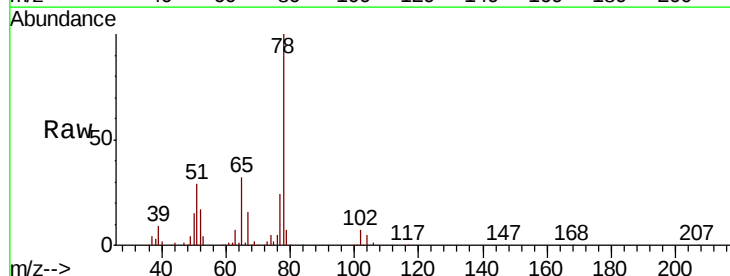
Instrument :
MSVOA_D
ClientSampled :

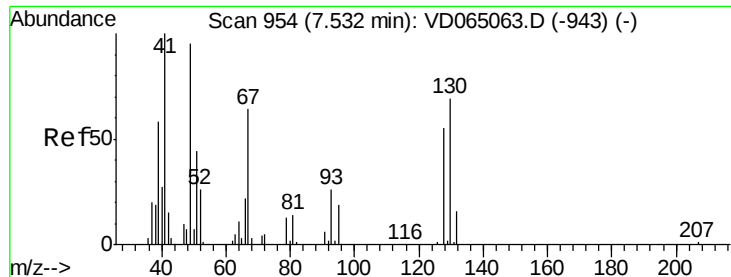
Tot Ion: 83 Resp: 156867
Ion Ratio Lower Upper
83 100
55 77.7 62.0 93.0
98 49.1 39.9 59.9



#40
Benzene
Concen: 20.338 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 78 Resp: 373986
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4

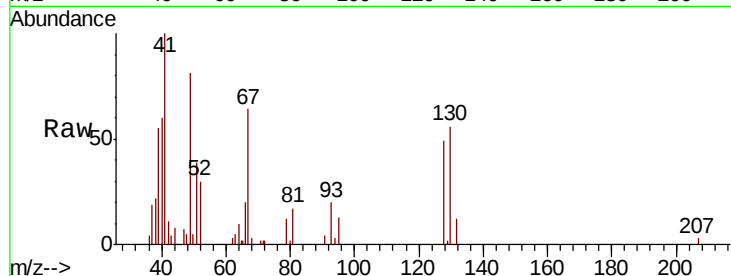




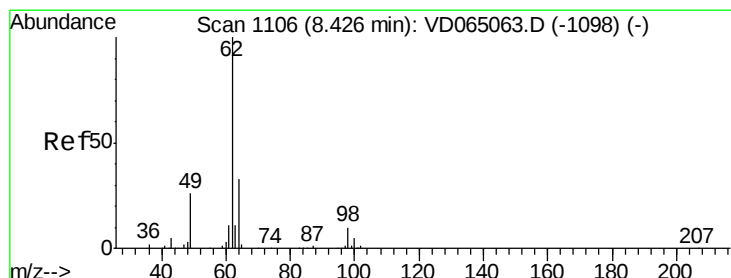
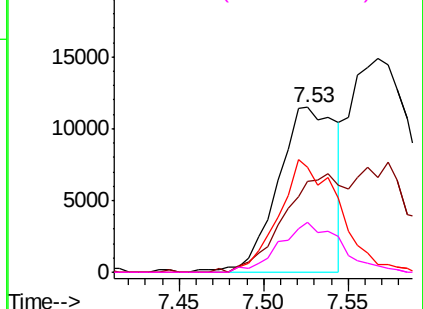
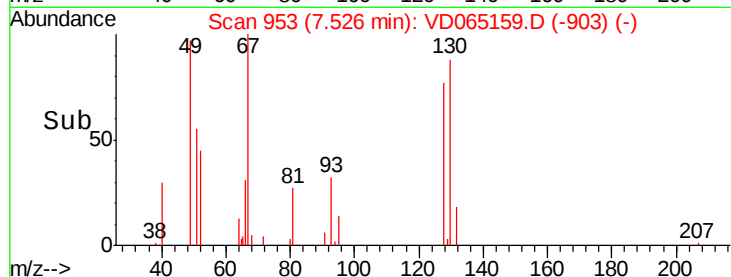
#41
Methacrylonitrile
Concen: 18.381 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	27549
Ion	Ratio	Lower	Upper
41	100		
39	62.9	55.4	83.0
67	70.4	59.0	88.6
52	31.7	25.4	38.0

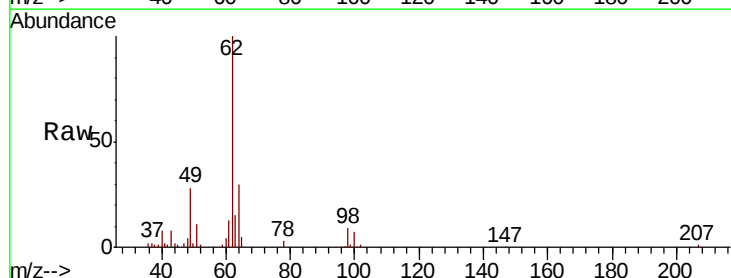


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

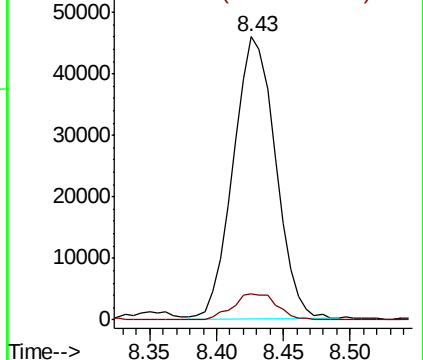
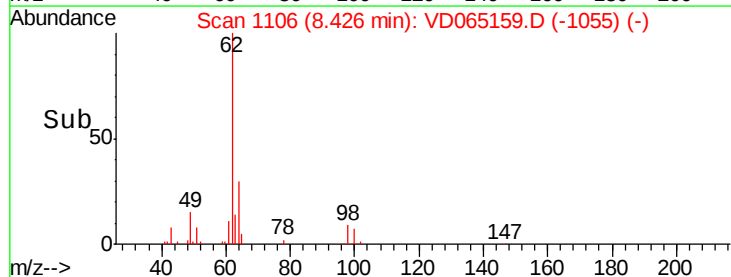


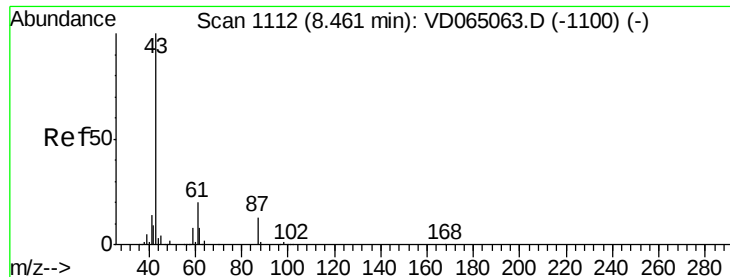
#42
1,2-Dichloroethane
Concen: 19.208 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:	62	Resp:	100646
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.407 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

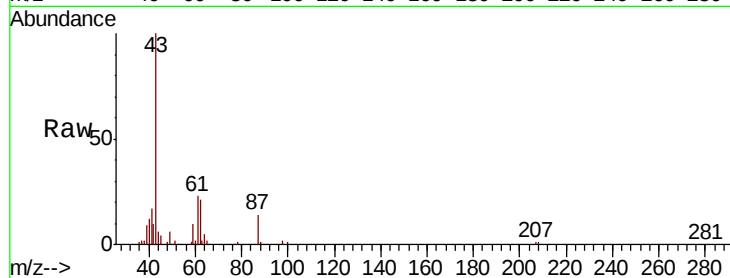
Tot Ion: 43 Resp: 90588

Ion Ratio Lower Upper

43 100

61 31.6 24.0 36.0

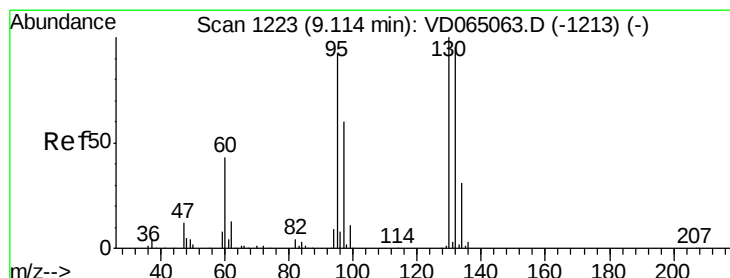
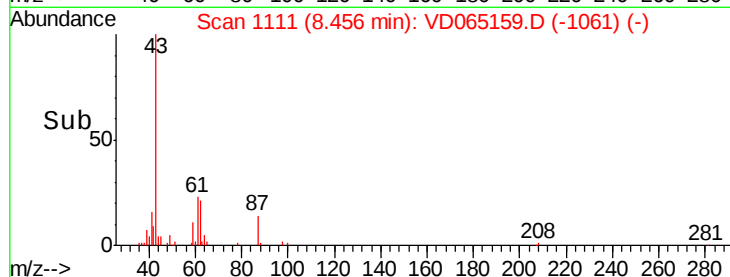
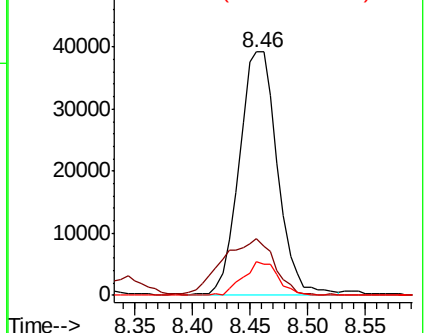
87 12.7 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.112 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065159.D

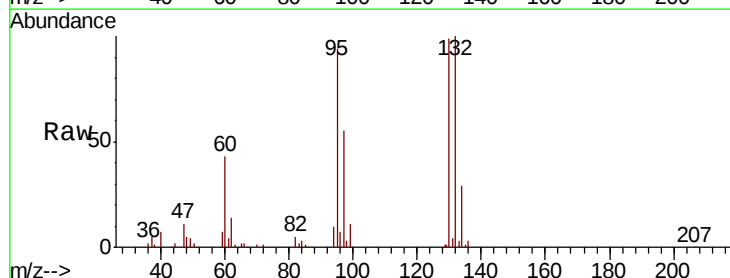
Acq: 12 Feb 2020 11:31

Tgt Ion:130 Resp: 106157

Ion Ratio Lower Upper

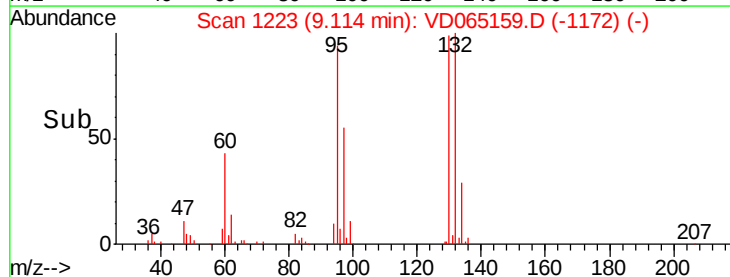
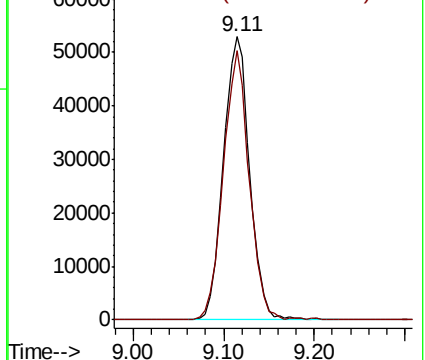
130 100

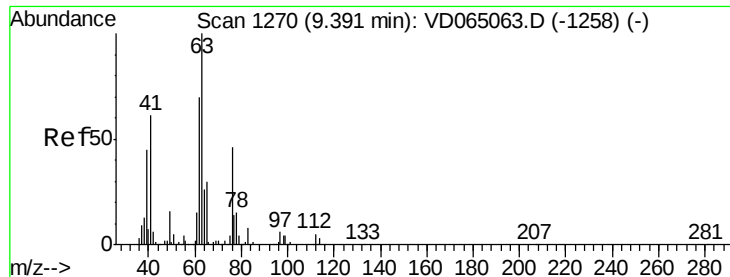
95 95.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.628 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

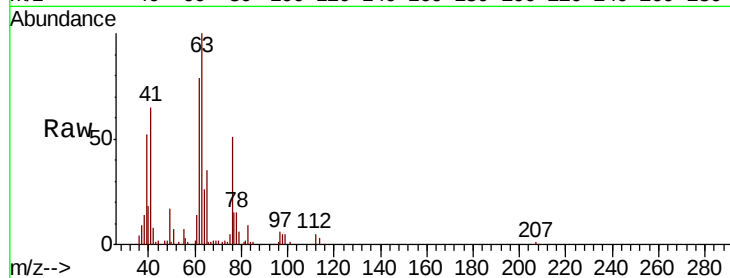
ClientSampleId :

Tot Ion: 63 Resp: 90946

Ion Ratio Lower Upper

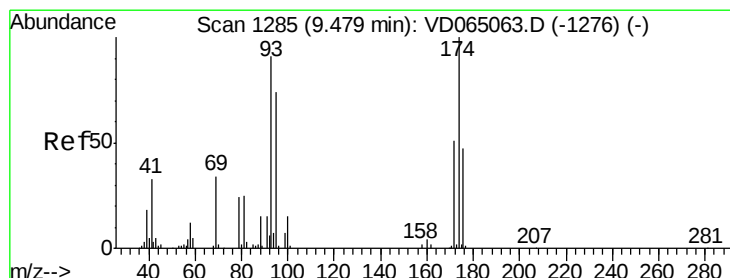
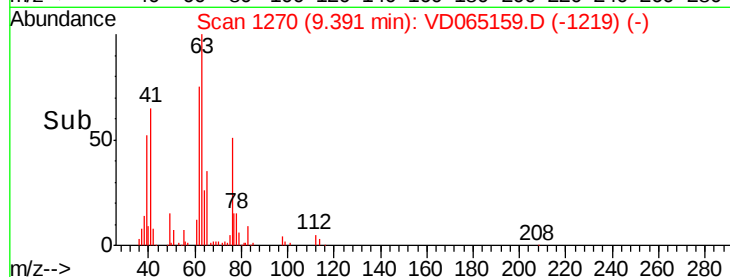
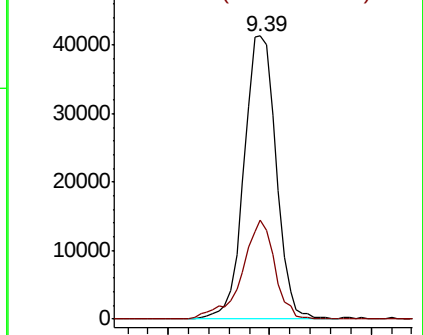
63 100

65 35.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.072 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

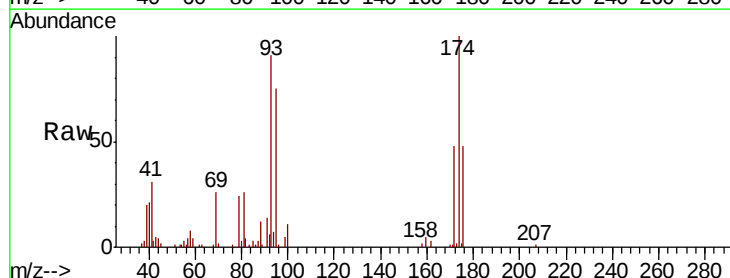
Tgt Ion: 93 Resp: 46503

Ion Ratio Lower Upper

93 100

95 79.4 66.5 99.7

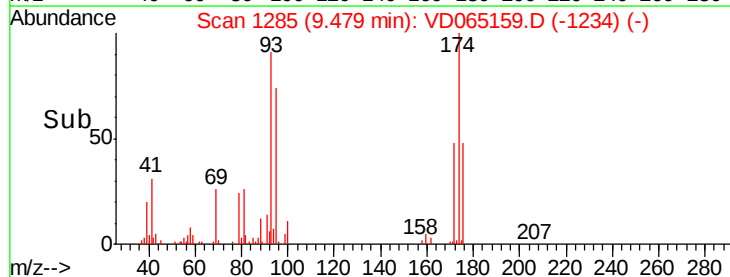
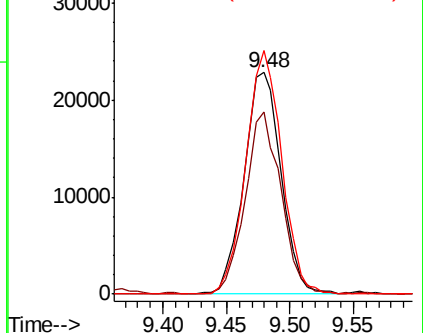
174 106.2 89.8 134.8

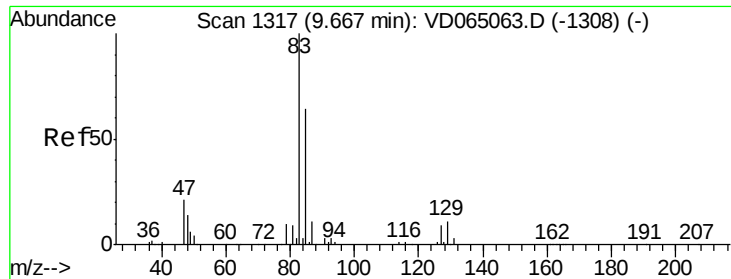


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.963 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

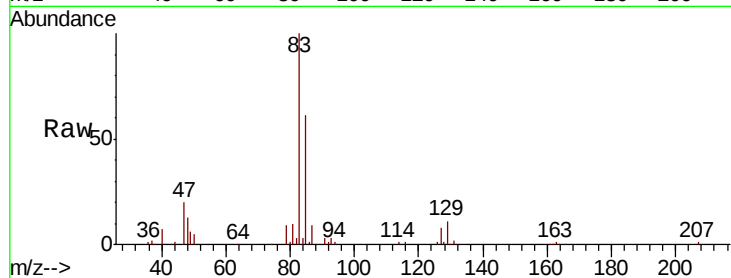
Tot Ion: 83 Resp: 127968

Ion Ratio Lower Upper

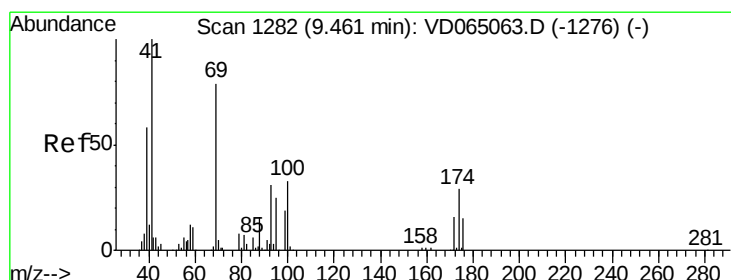
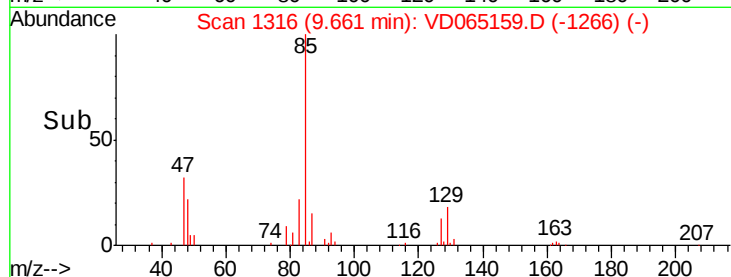
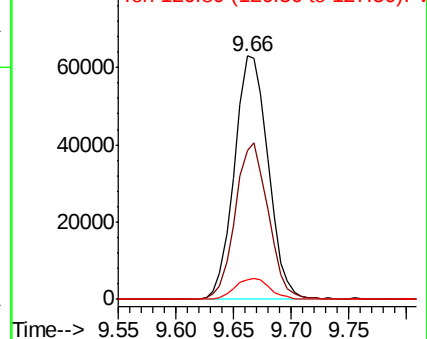
83 100

85 60.9 51.0 76.6

127 7.9 7.3 10.9



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: 17.281 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

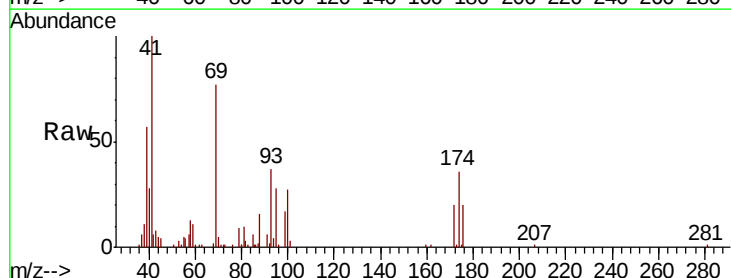
Tgt Ion: 41 Resp: 43275

Ion Ratio Lower Upper

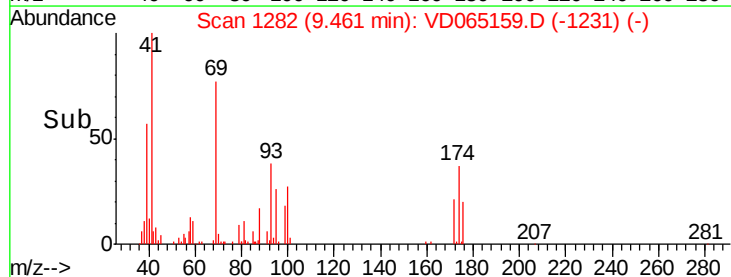
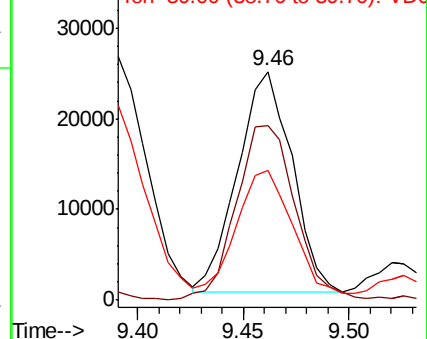
41 100

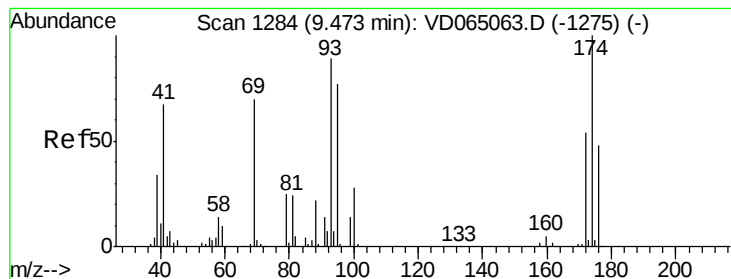
69 86.5 67.5 101.3

39 56.2 47.0 70.4



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





#49

1,4-Dioxane

Concen: 353.926 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

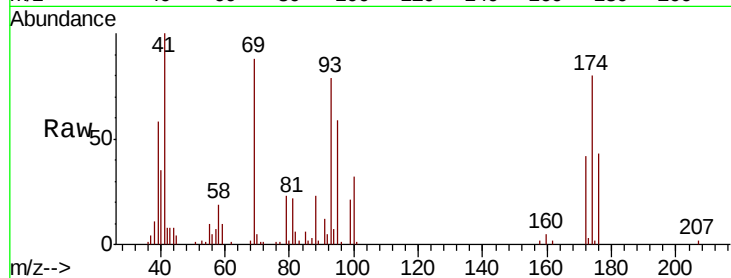
Tot Ion: 88 Resp: 9712

Ion Ratio Lower Upper

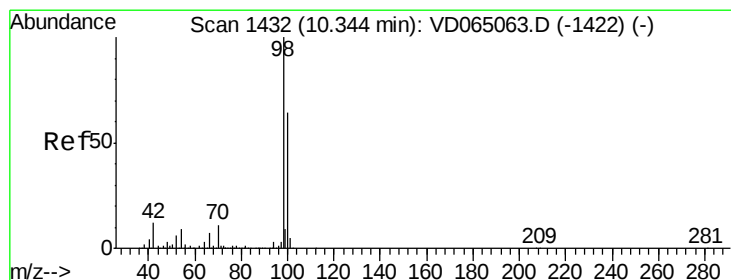
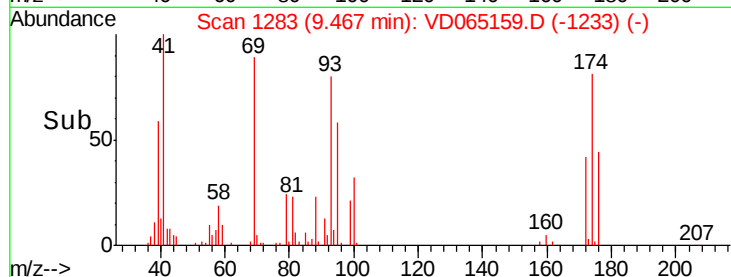
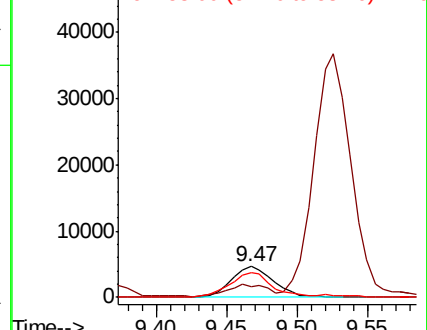
88 100

43 40.1 27.7 41.5

58 78.1 55.5 83.3



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: 50.481 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065159.D

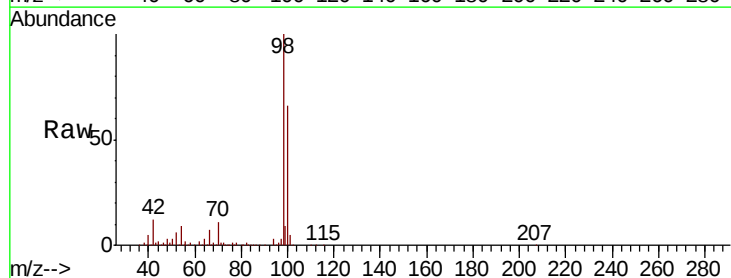
Acq: 12 Feb 2020 11:31

Tgt Ion: 98 Resp: 802839

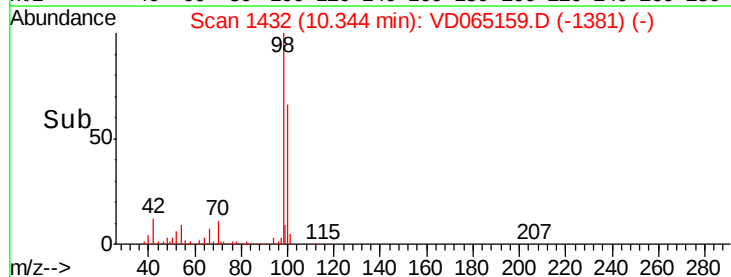
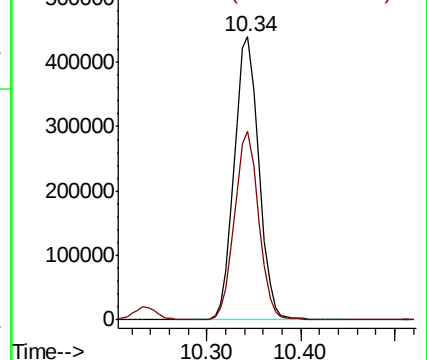
Ion Ratio Lower Upper

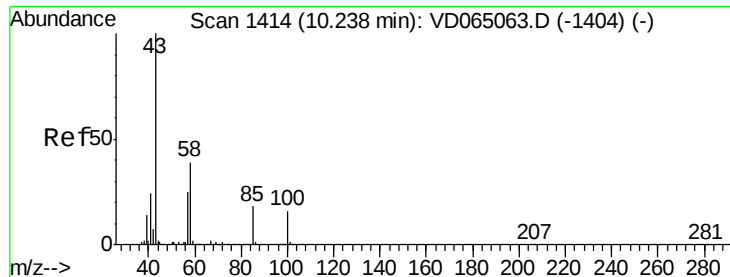
98 100

100 65.6 52.1 78.1



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: 90.999 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

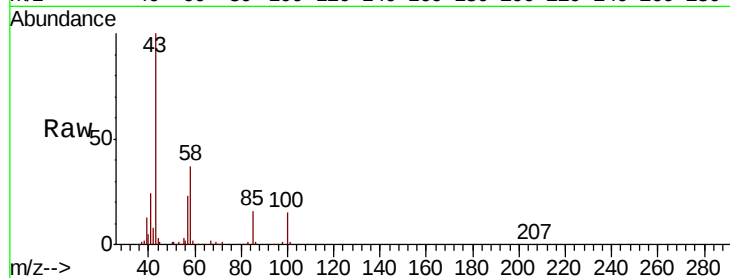
ClientSampled :

Tot Ion: 43 Resp: 233098

Ion Ratio Lower Upper

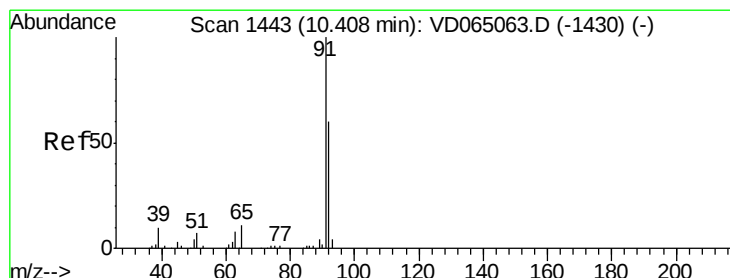
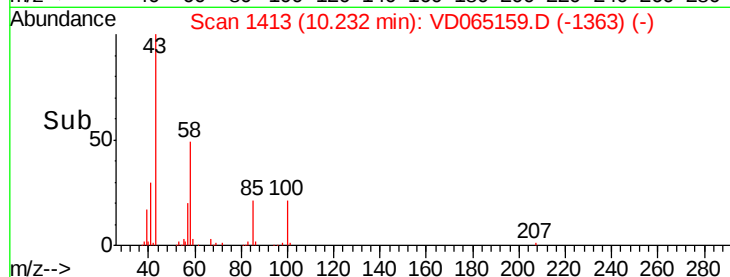
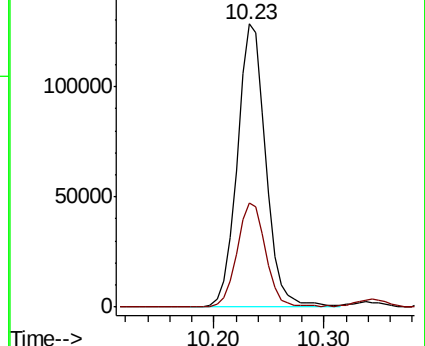
43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.433 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065159.D

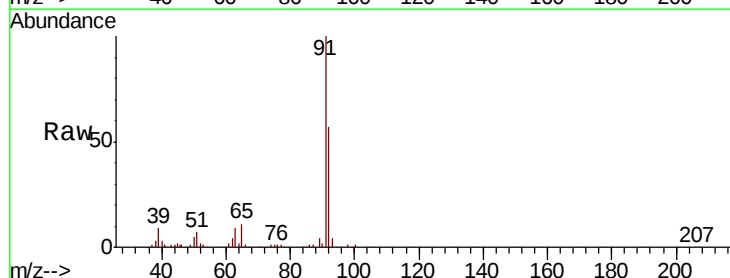
Acq: 12 Feb 2020 11:31

Tgt Ion: 92 Resp: 239819

Ion Ratio Lower Upper

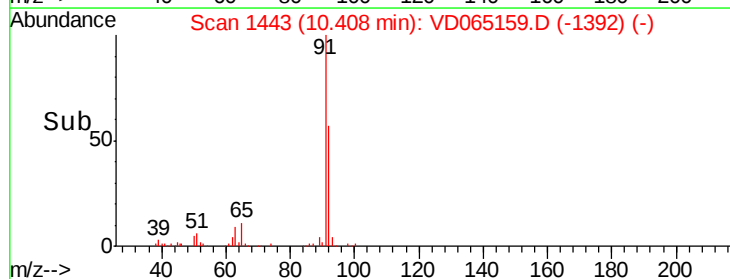
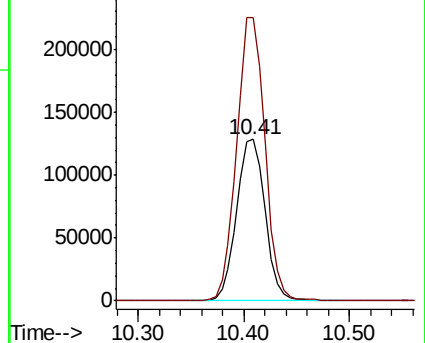
92 100

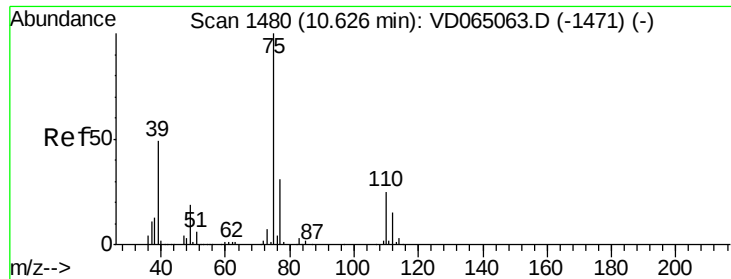
91 173.9 135.3 202.9



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: 18.752 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

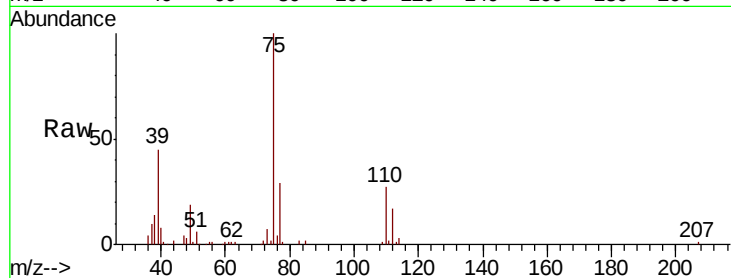
ClientSampleId :

Tot Ion: 75 Resp: 111456

Ion Ratio Lower Upper

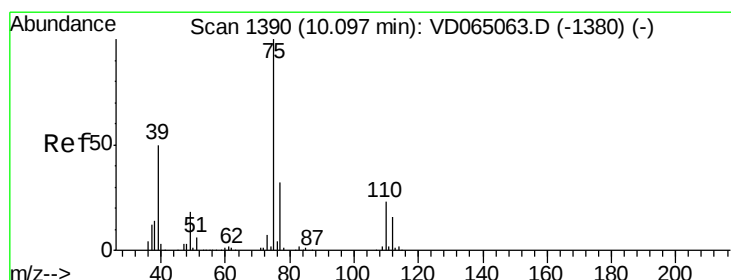
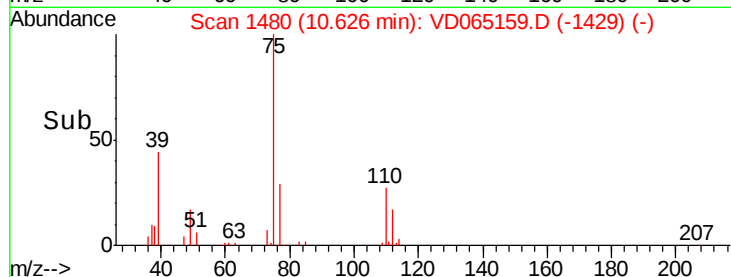
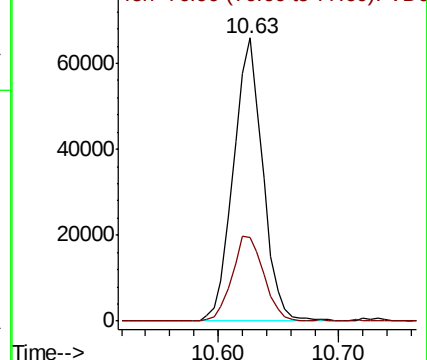
75 100

77 29.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.703 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

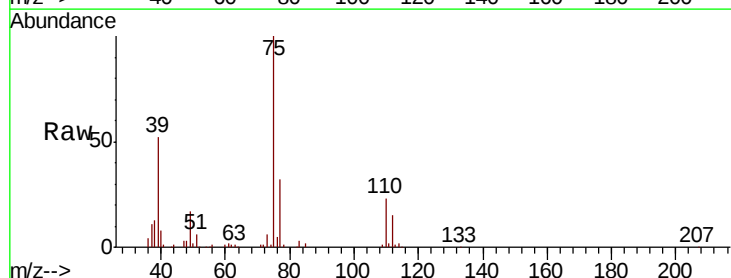
Tgt Ion: 75 Resp: 140062

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

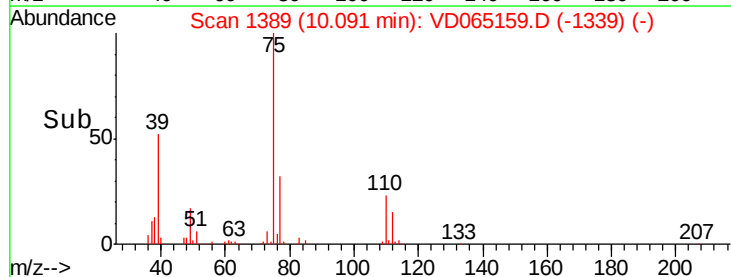
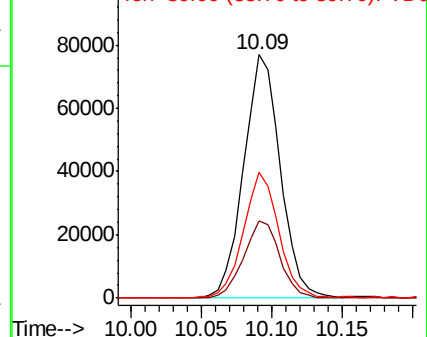
39 51.4 40.3 60.5

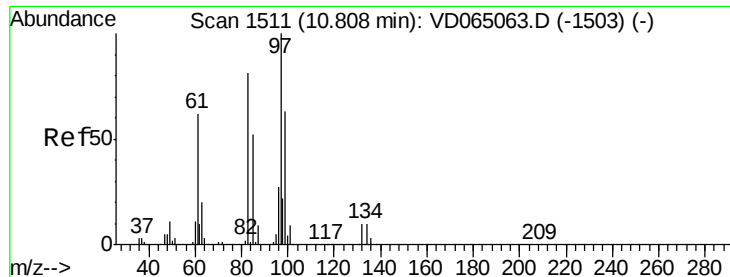


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 19.849 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 63076

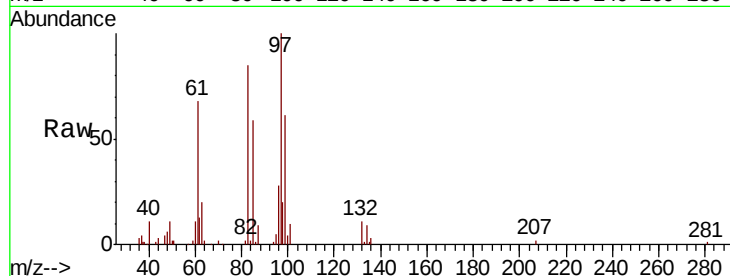
Ion	Ratio	Lower	Upper
97	100		
83	85.2	64.8	97.2
85	58.8	41.2	61.8
99	61.1	50.3	75.5

97 100

83 85.2 64.8 97.2

85 58.8 41.2 61.8

99 61.1 50.3 75.5



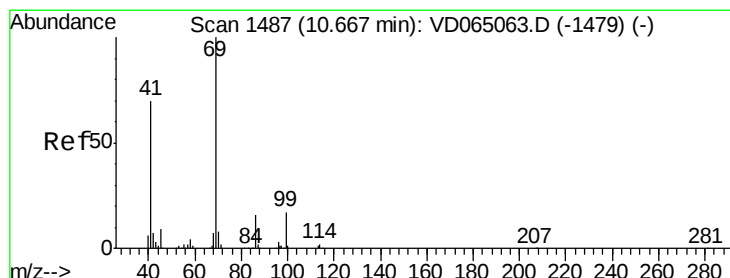
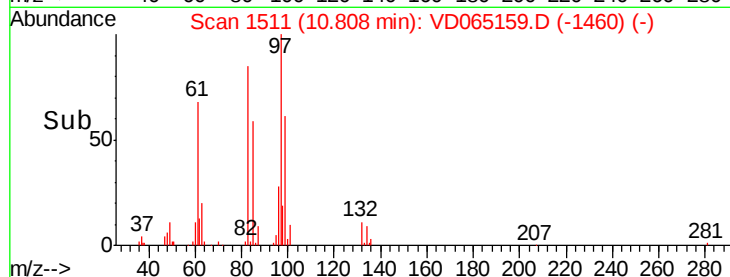
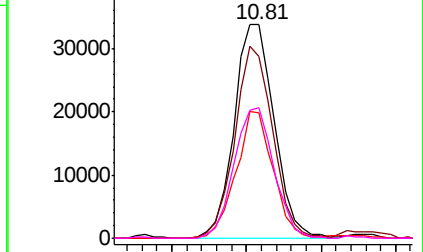
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 17.196 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

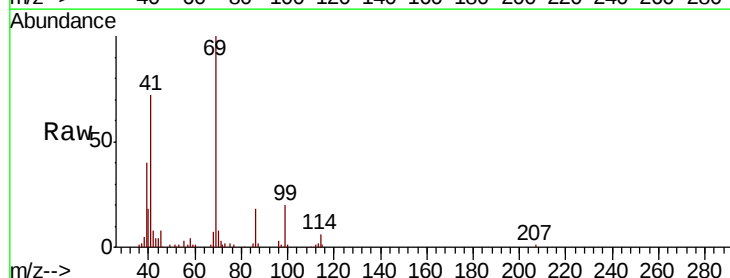
Tgt Ion: 69 Resp: 69143

Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.9	83.9
39	35.2	29.4	44.0

69 100

41 71.0 55.9 83.9

39 35.2 29.4 44.0

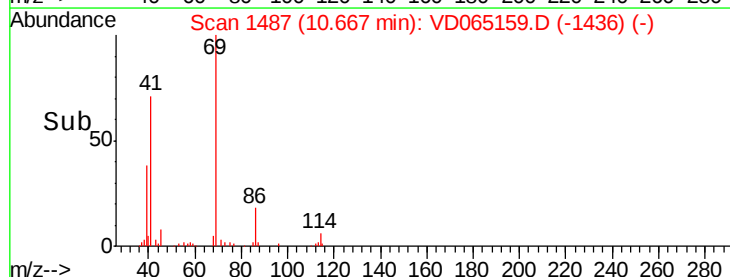
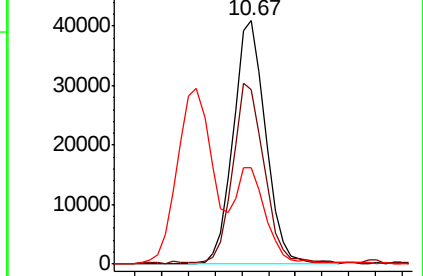


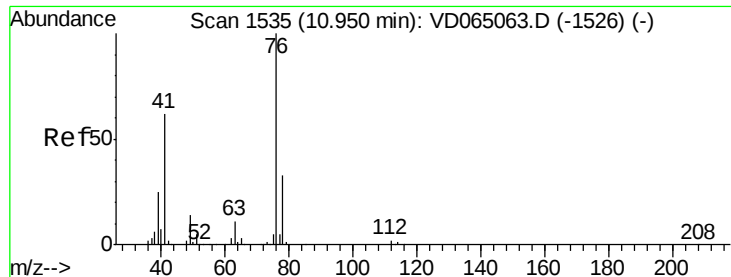
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

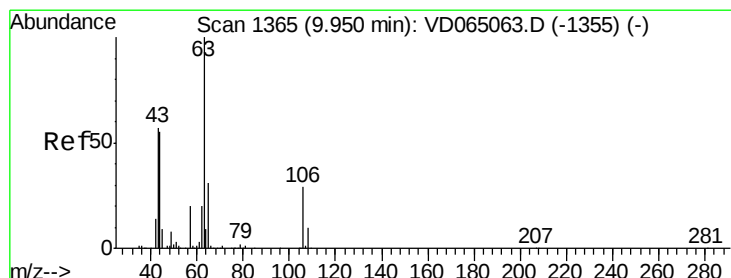
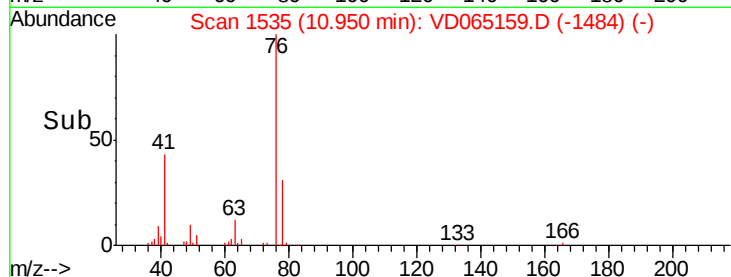
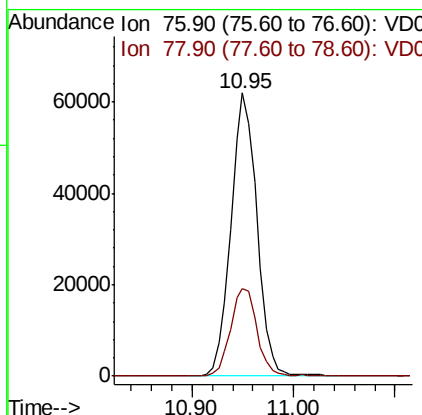
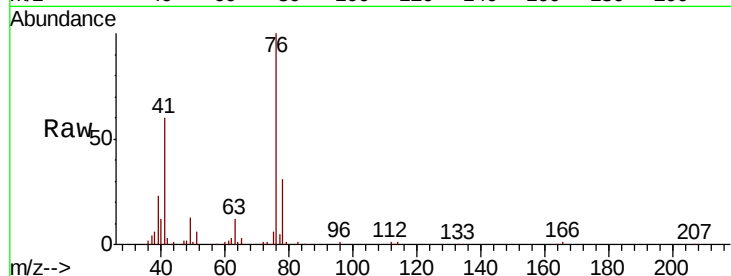




#57
 1,3-Dichloropropane
 Concen: 19.742 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

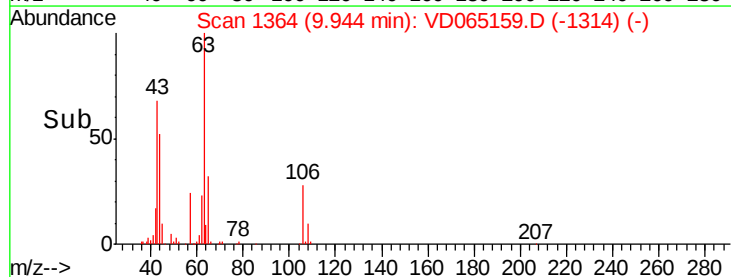
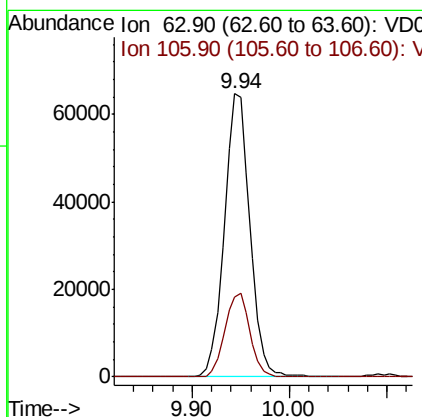
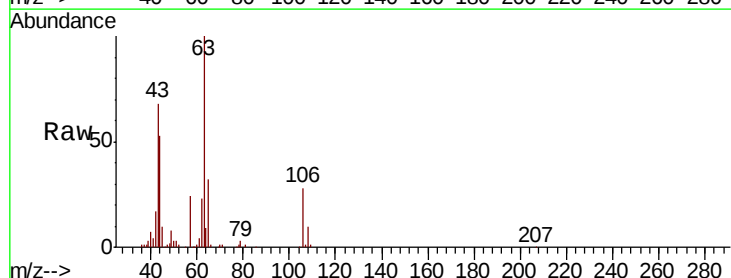
Instrument :
 MSVOA_D
 ClientSampleId :

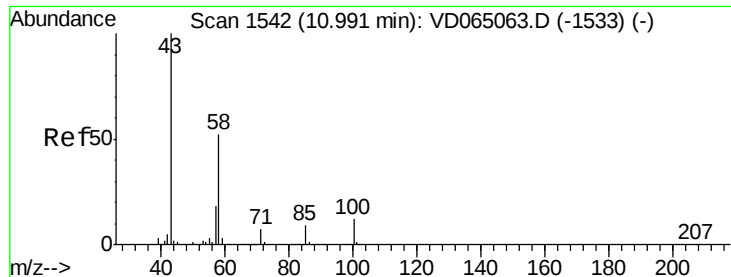
Tot Ion: 76 Resp: 110320
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.140 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion: 63 Resp: 117288
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.3 34.9

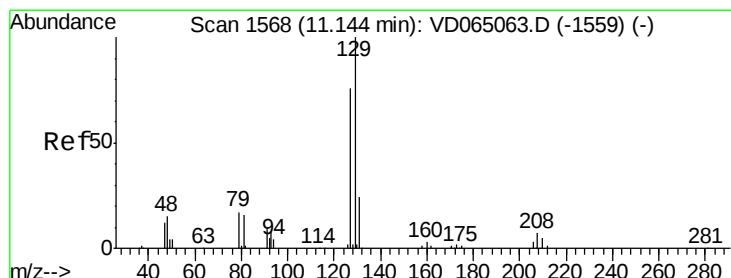
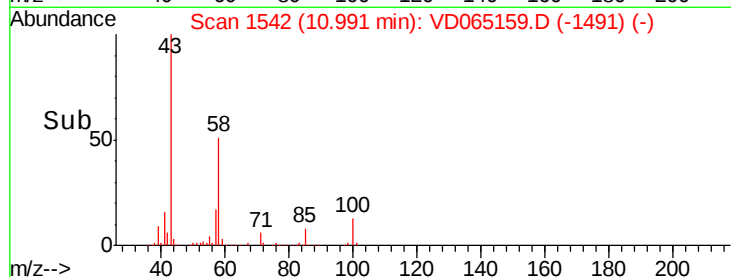
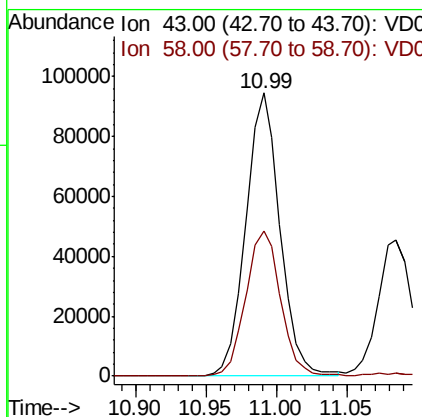
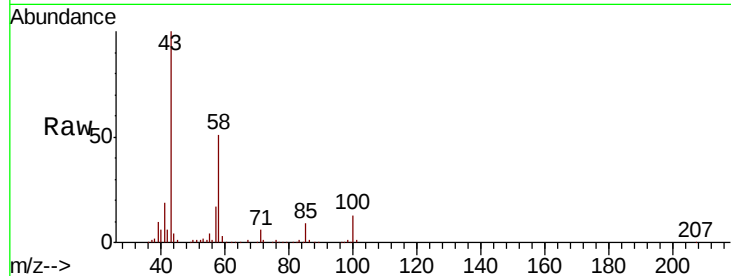




#59
2-Hexanone
Concen: 88.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

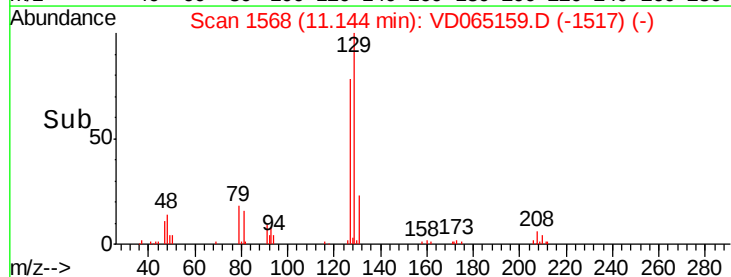
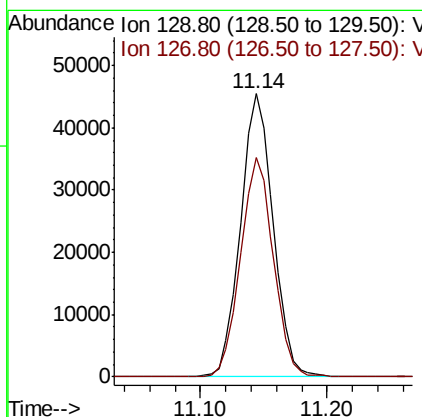
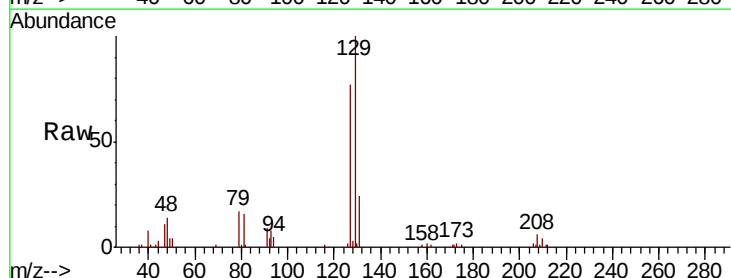
Instrument :
MSVOA_D
ClientSampleId :

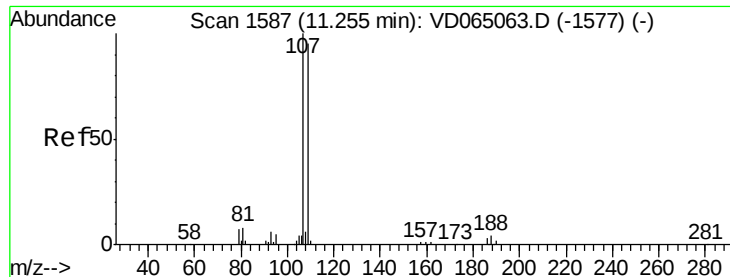
Tot Ion: 43 Resp: 160477
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.6



#60
Dibromochloromethane
Concen: 19.687 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 129 Resp: 81034
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9

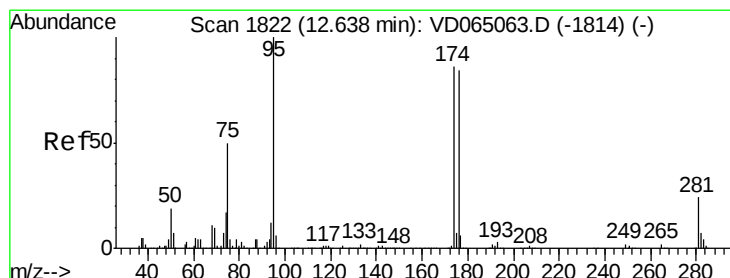
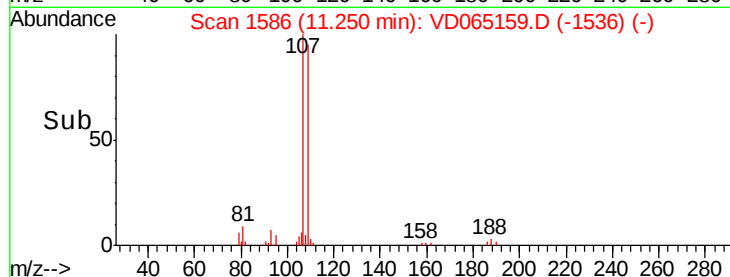
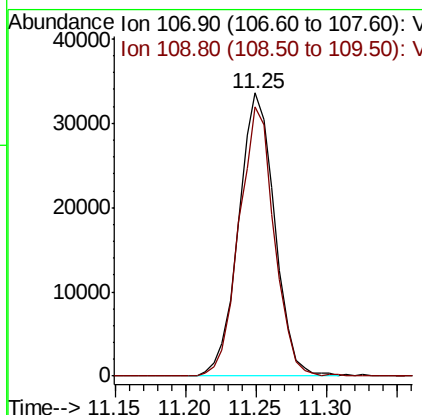
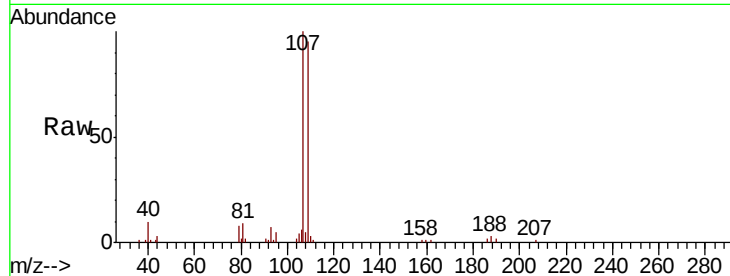




#61
 1,2-Dibromoethane
 Concen: 19.326 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

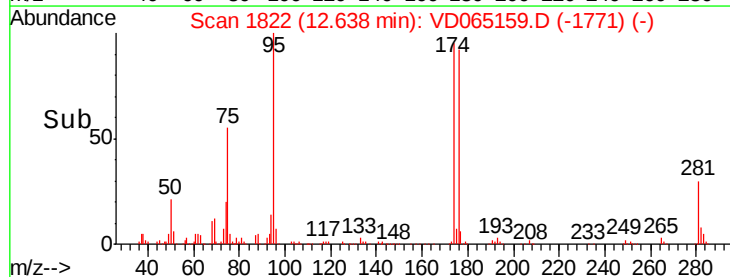
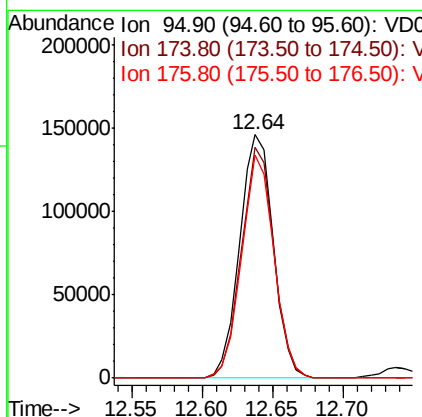
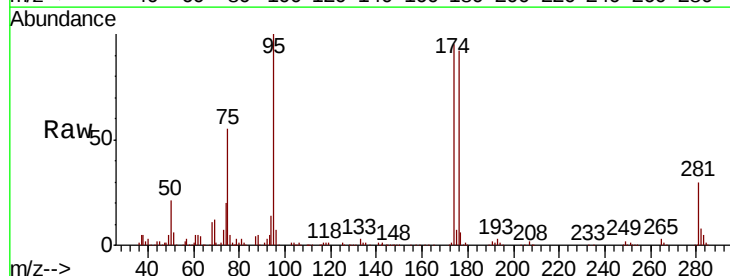
Instrument :
 MSVOA_D
 ClientSampleId :

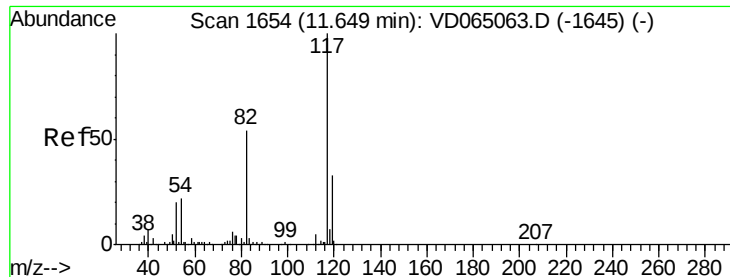
Tot Ion: 107 Resp: 60010
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 48.409 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion: 95 Resp: 243951
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 180.0
 176 88.4 0.0 173.2

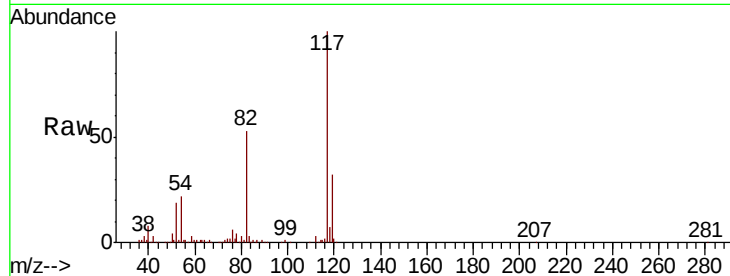




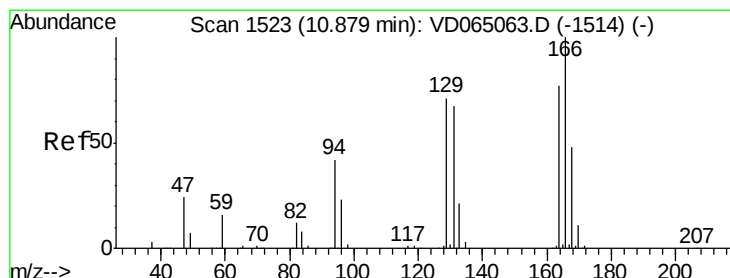
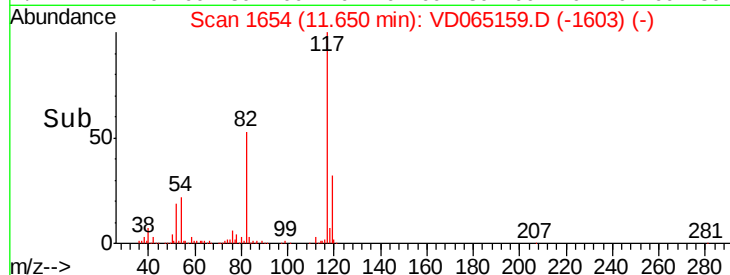
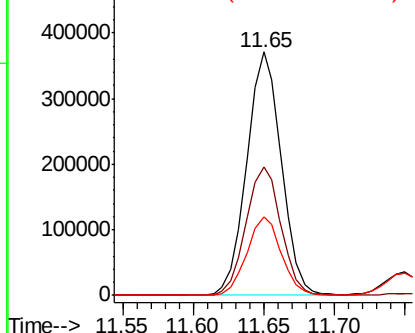
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 638315
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 32.0 26.0 39.0

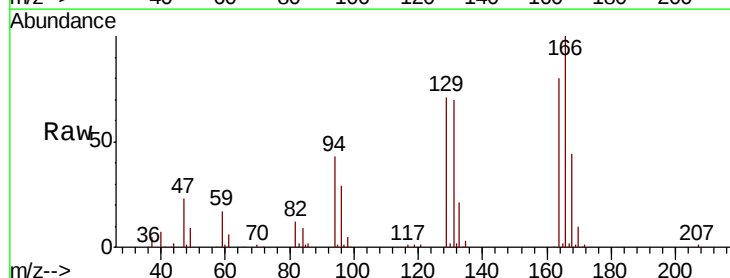


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

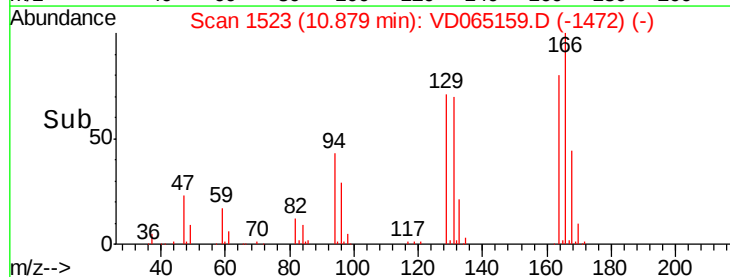
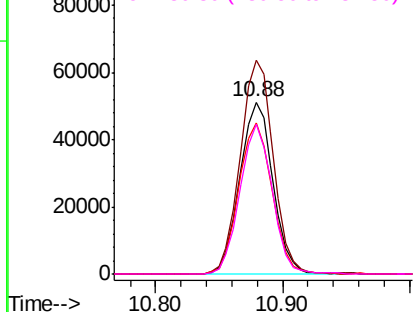


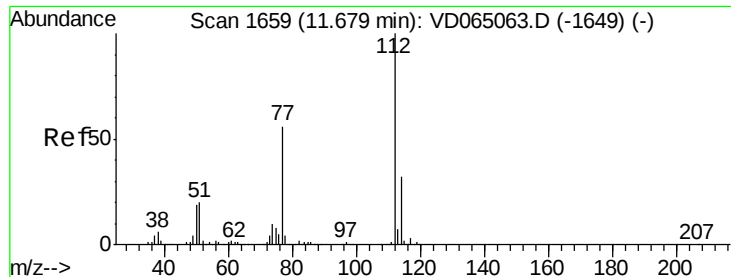
#64
Tetrachloroethene
Concen: 20.194 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:164 Resp: 92624
Ion Ratio Lower Upper
164 100
166 124.4 103.5 155.3
129 88.3 73.3 109.9
131 86.9 69.8 104.6



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

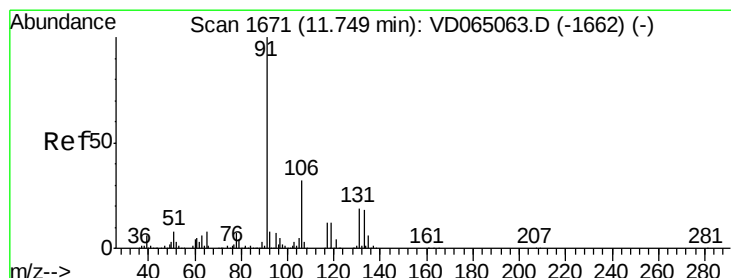
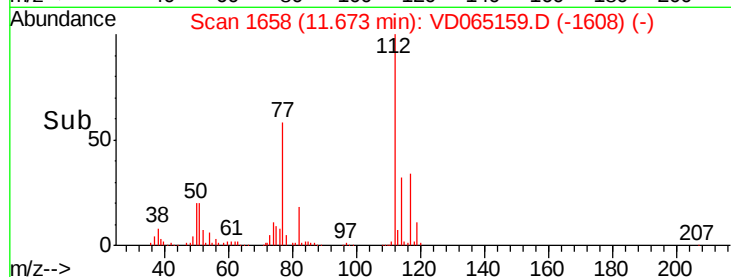
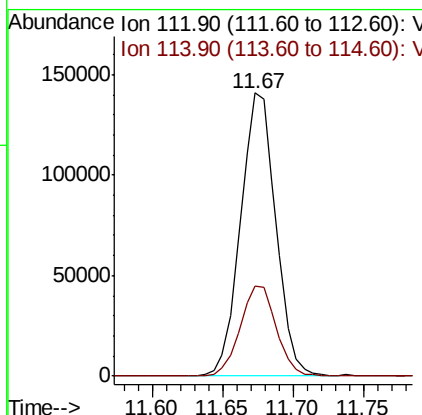
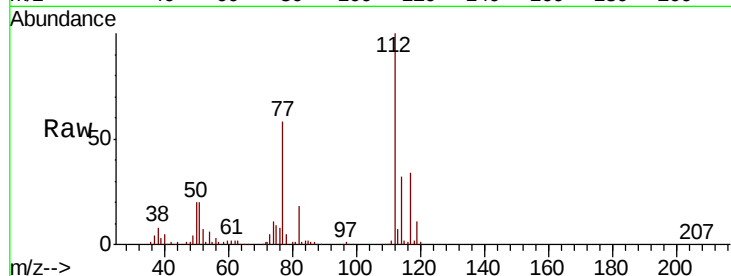




#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

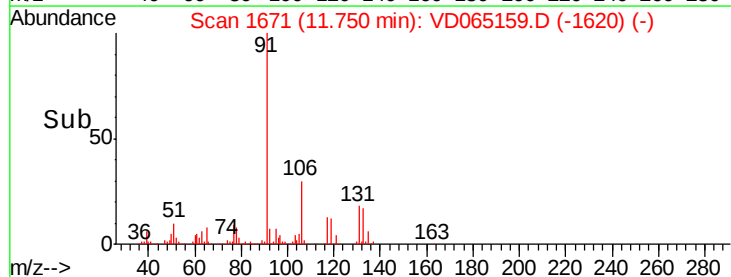
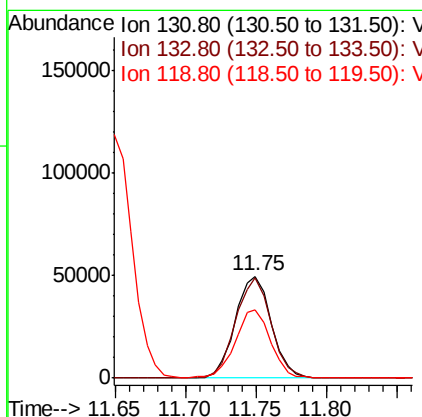
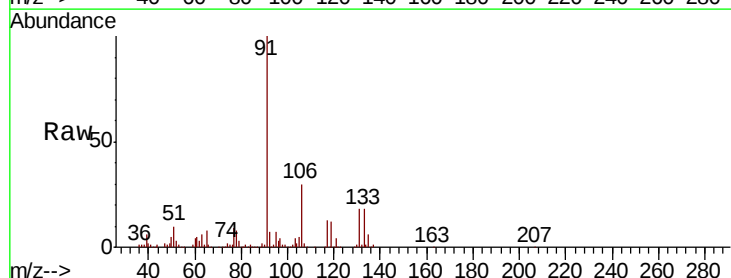
Instrument :
MSVOA_D
ClientSampleId :

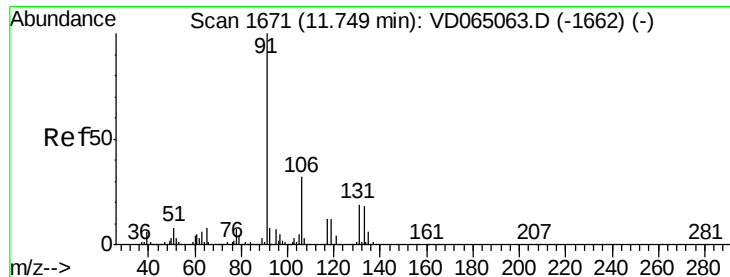
Tot Ion:112 Resp: 246213
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.536 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:131 Resp: 89020
Ion Ratio Lower Upper
131 100
133 96.9 47.7 143.1
119 66.1 31.3 93.8





#67

Ethyl Benzene

Concen: 19.849 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

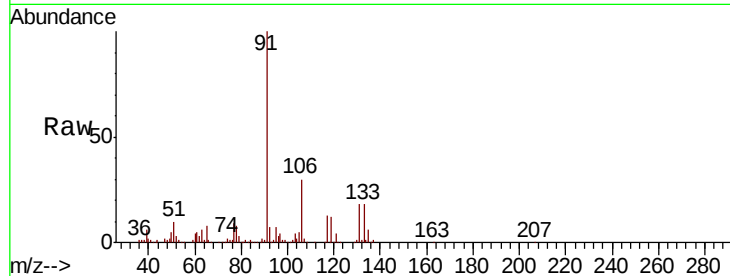
ClientSampled :

Tot Ion: 91 Resp: 445210

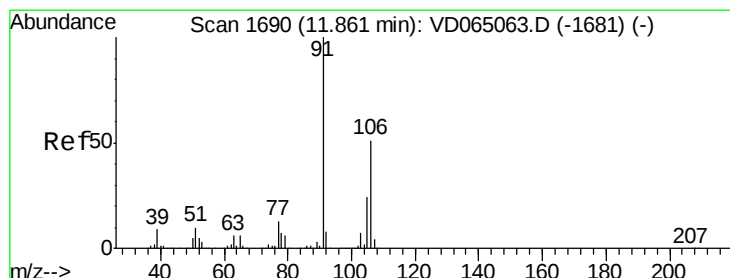
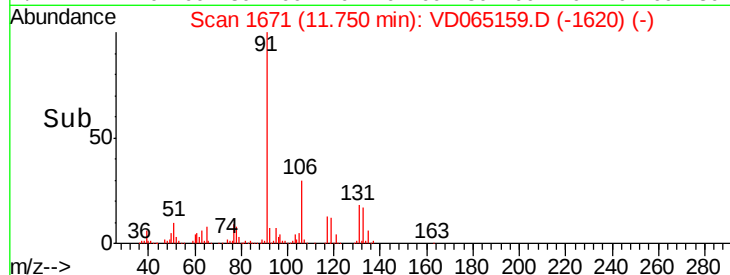
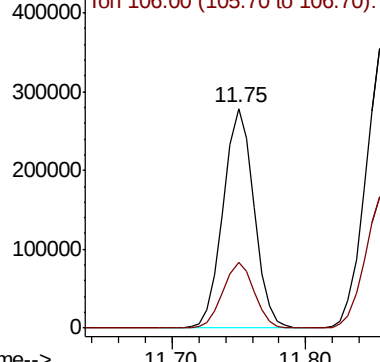
Ion Ratio Lower Upper

91 100

106 29.8 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 39.492 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065159.D

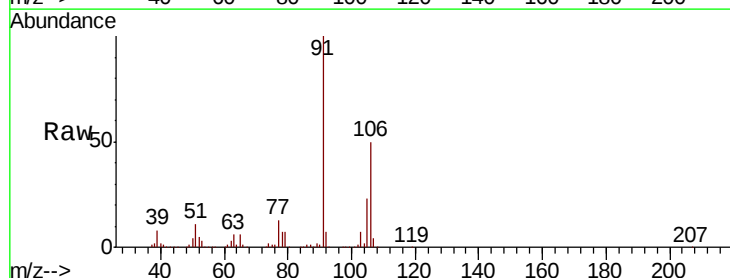
Acq: 12 Feb 2020 11:31

Tgt Ion: 106 Resp: 338089

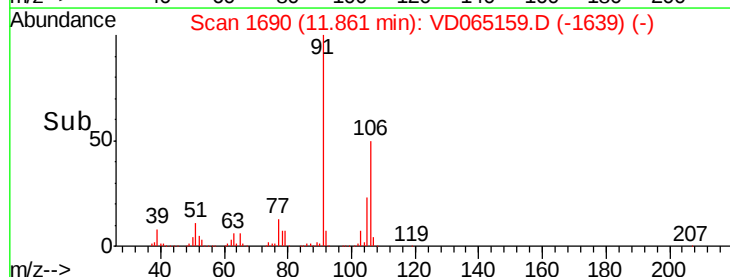
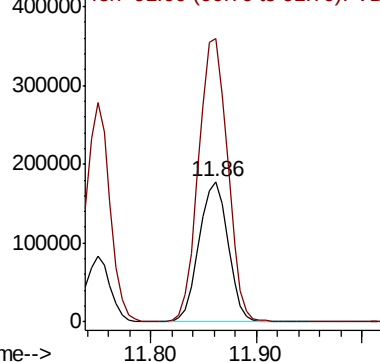
Ion Ratio Lower Upper

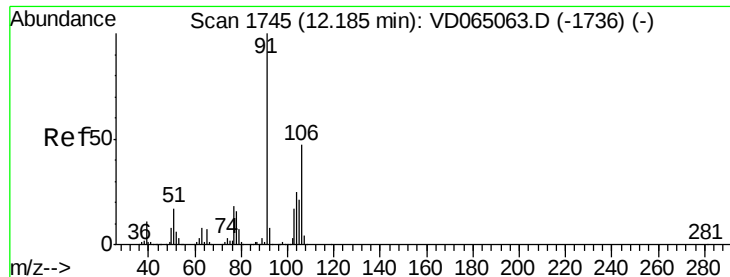
106 100

91 203.2 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

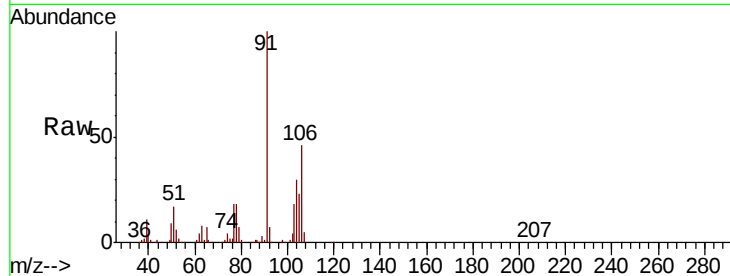




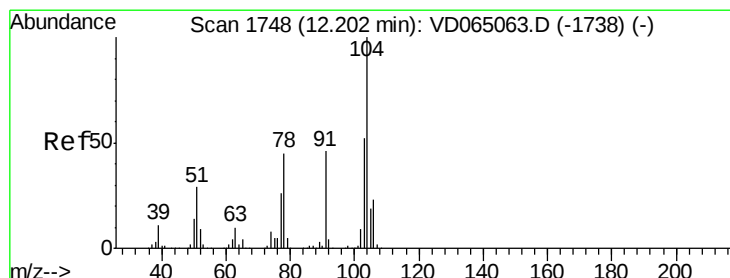
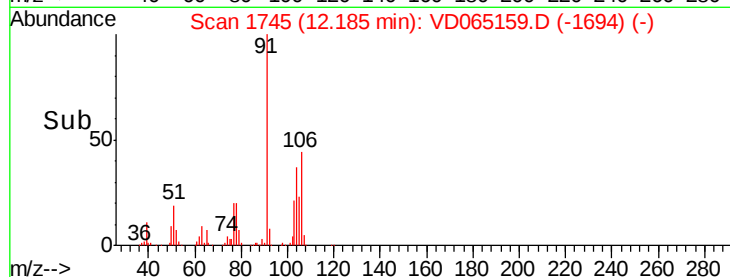
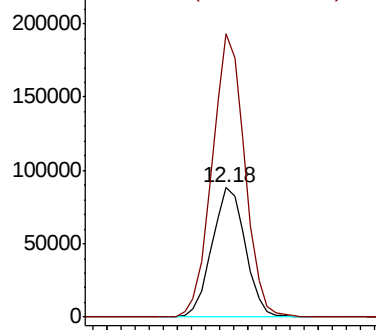
#69
o-Xylene
Concen: 18.984 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 146353
Ion Ratio Lower Upper
106 100
91 213.6 104.7 313.9

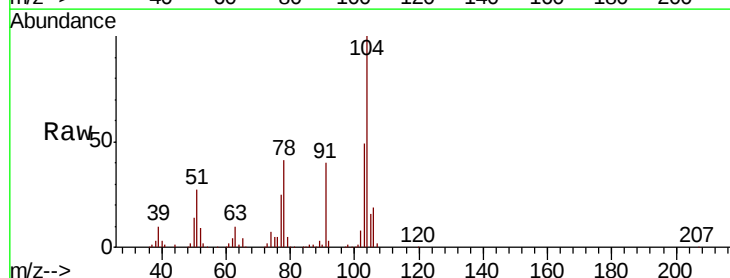


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

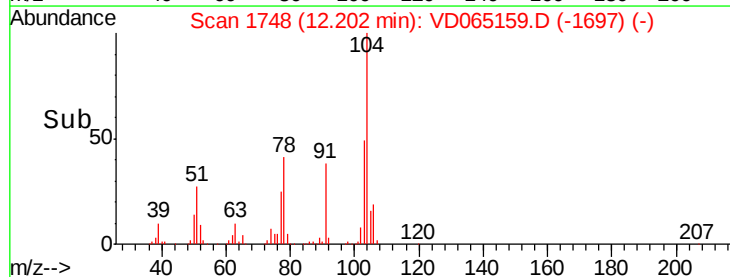
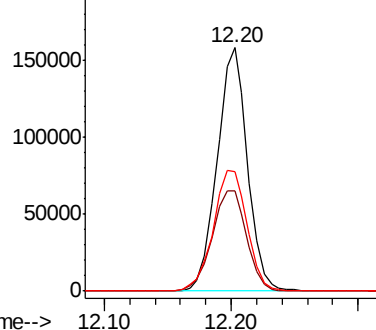


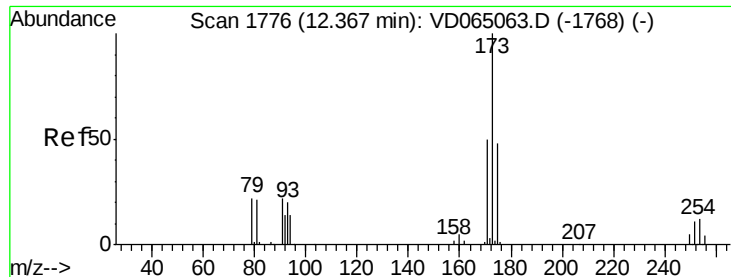
#70
Styrene
Concen: 19.591 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:104 Resp: 262506
Ion Ratio Lower Upper
104 100
78 47.1 38.5 57.7
103 55.3 43.8 65.8



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

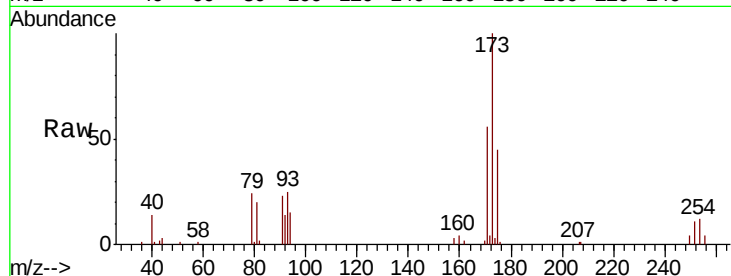




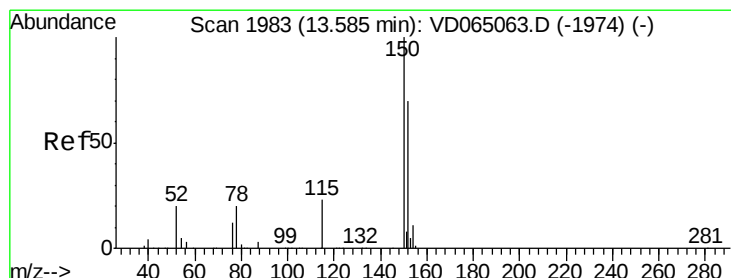
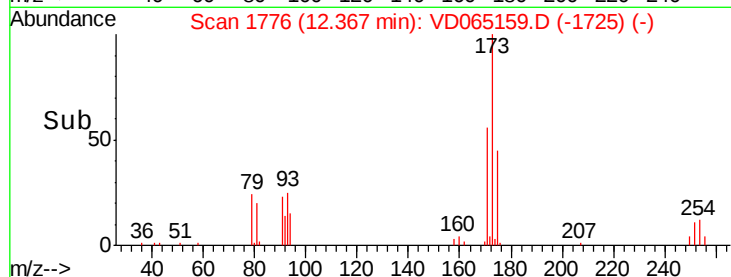
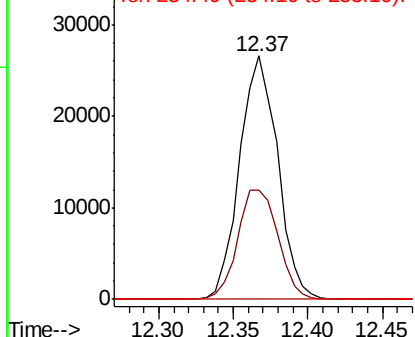
#71
Bromoform
Concen: 19.214 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 47124
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.8
254 0.0 0.1 0.1#

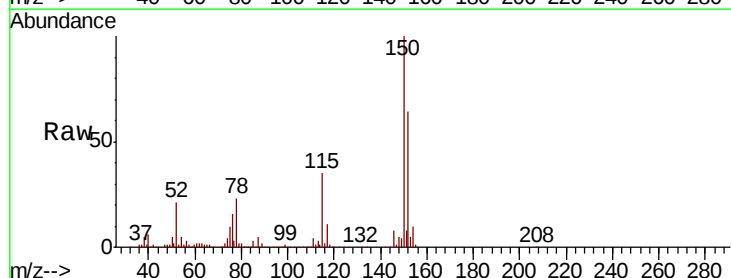


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

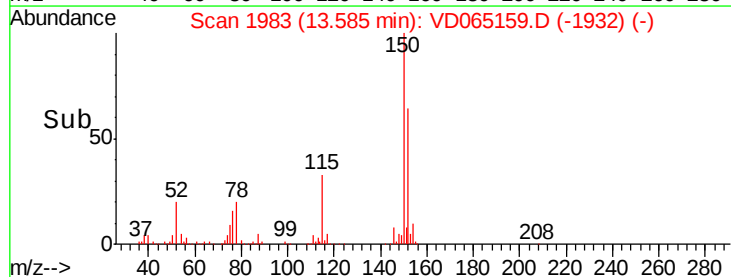
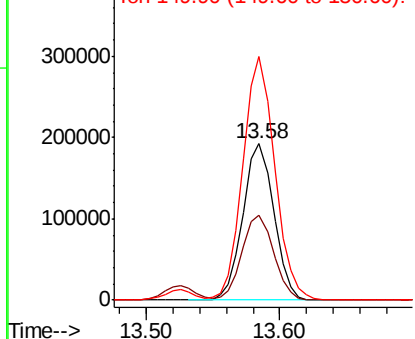


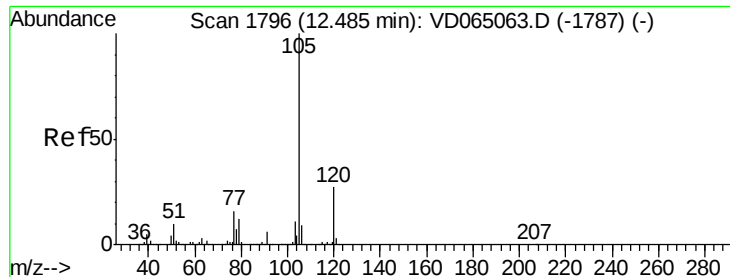
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:152 Resp: 308953
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.4
150 160.5 0.0 343.2



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: 19.379 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

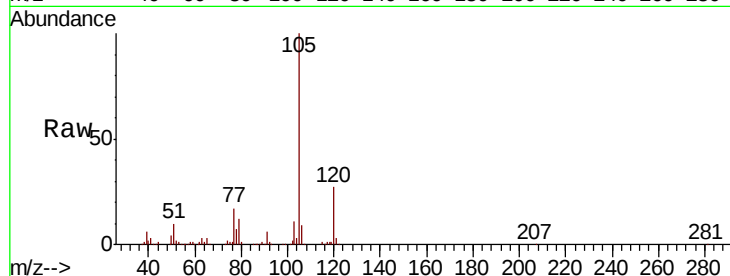
ClientSampled :

Tot Ion:105 Resp: 410939

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

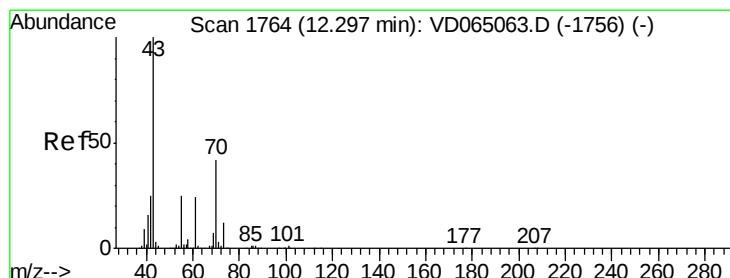
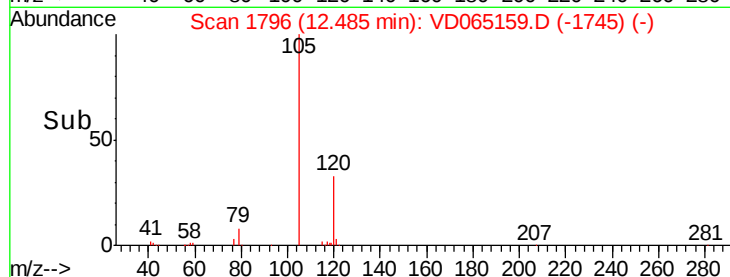
0

12.48

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.127 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion: 43 Resp: 78942

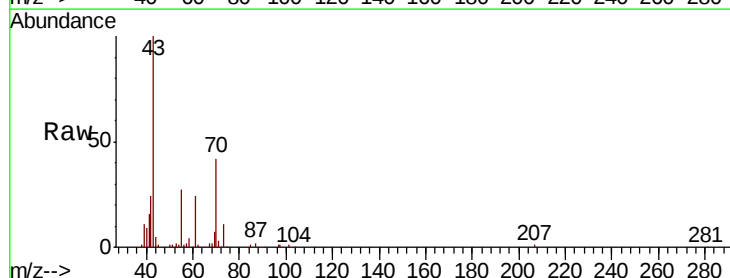
Ion Ratio Lower Upper

43 100

70 42.4 33.5 50.3

55 27.0 19.4 29.2

61 24.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

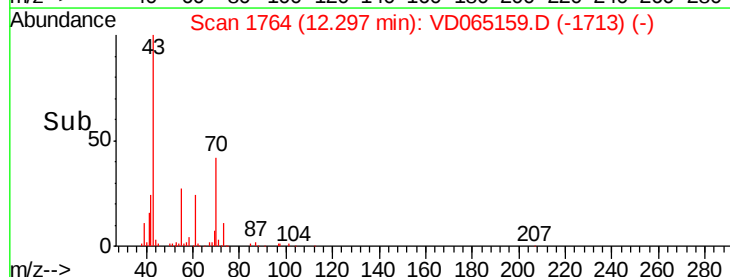
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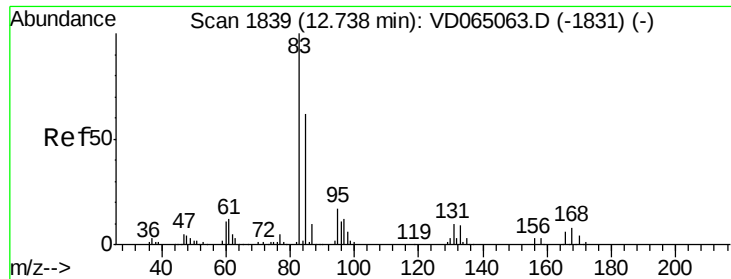
12.30

12.20

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

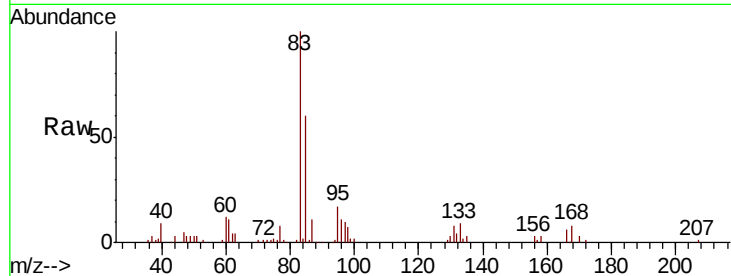
Tot Ion: 83 Resp: 65367

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	63.3	31.8	95.4

83 100

131 10.7 5.5 16.4

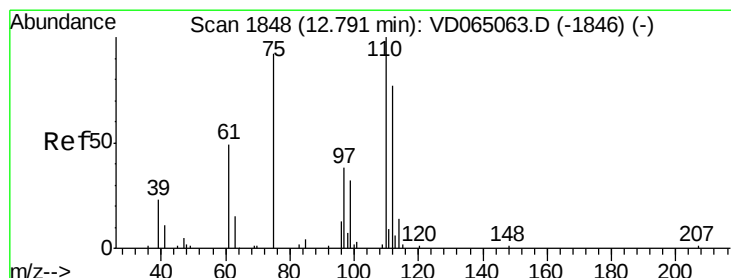
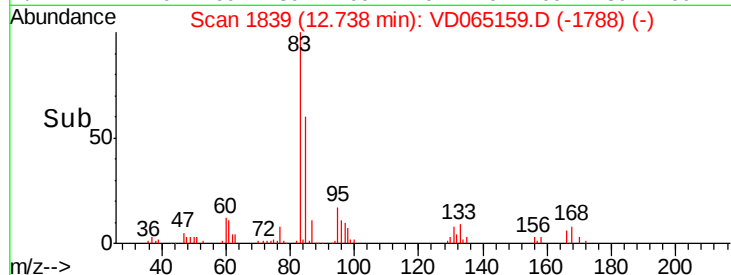
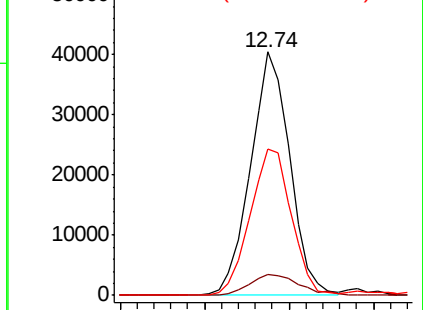
85 63.3 31.8 95.4



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: 37.364 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065159.D

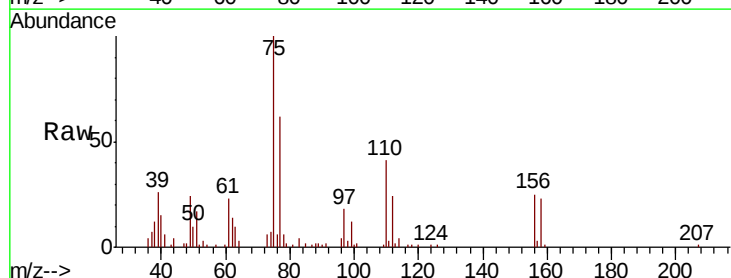
Acq: 12 Feb 2020 11:31

Tgt Ion: 75 Resp: 87398

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

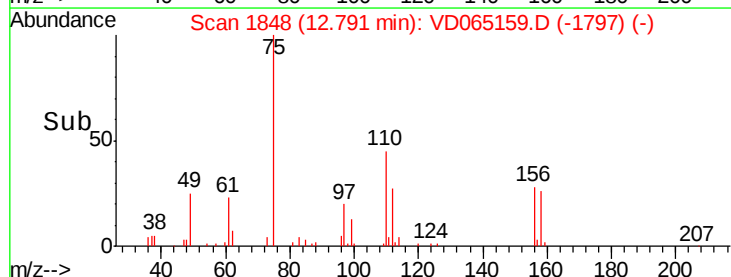
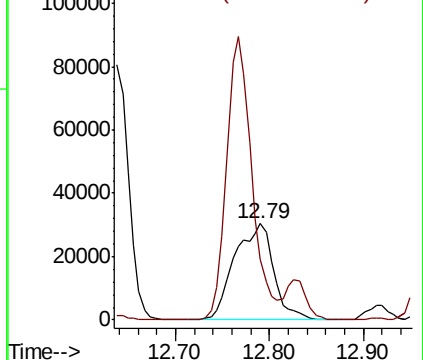
75 100

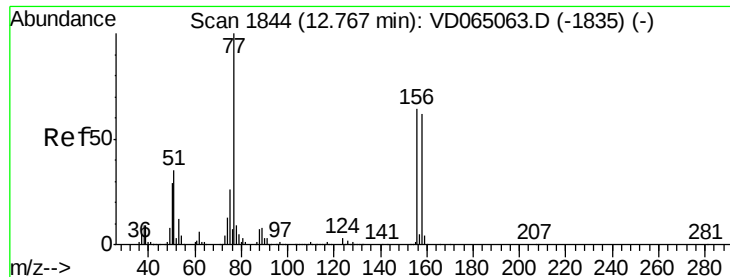
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.105 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

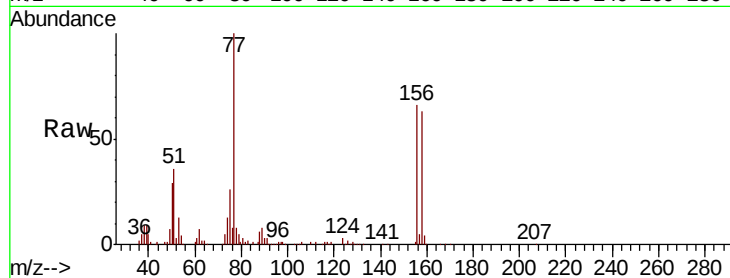
Tot Ion:156 Resp: 97610

Ion Ratio Lower Upper

156 100

77 170.9 85.6 256.8

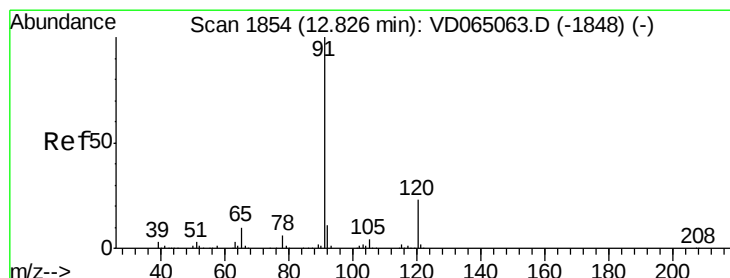
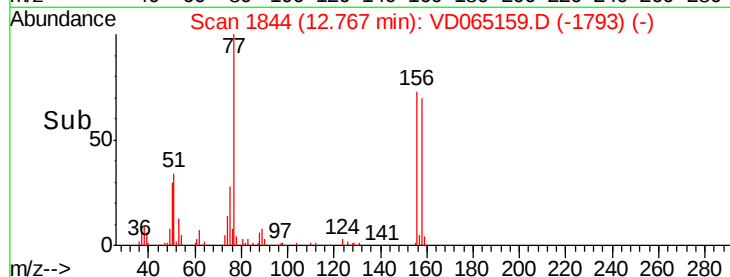
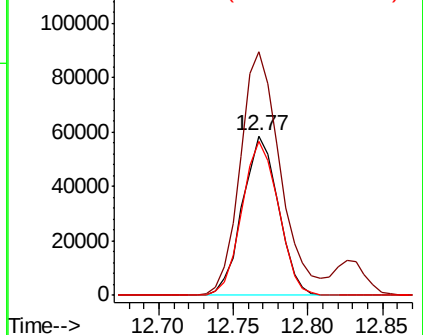
158 97.6 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.121 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065159.D

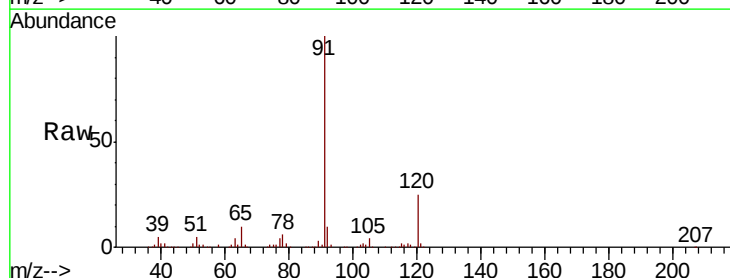
Acq: 12 Feb 2020 11:31

Tgt Ion: 91 Resp: 499678

Ion Ratio Lower Upper

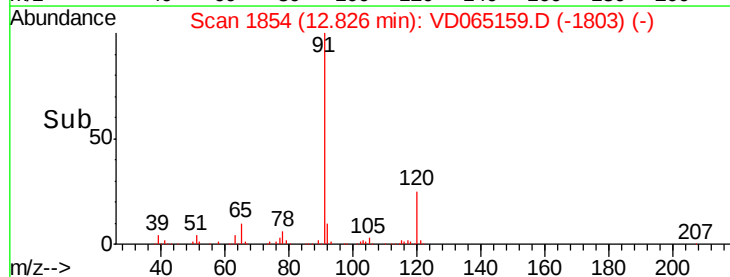
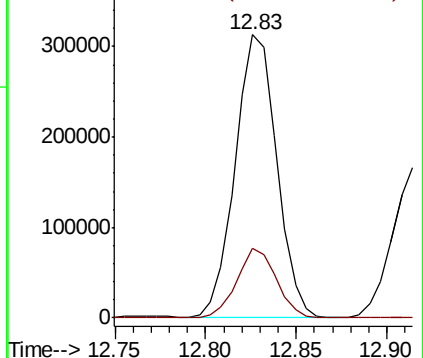
91 100

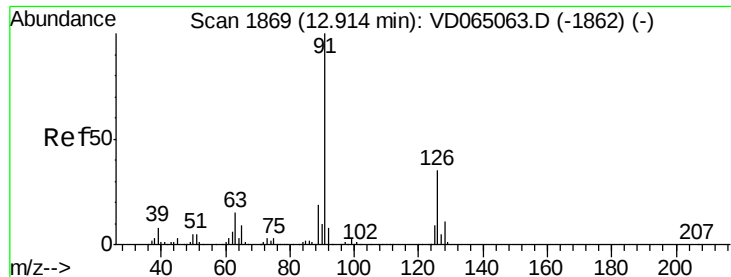
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

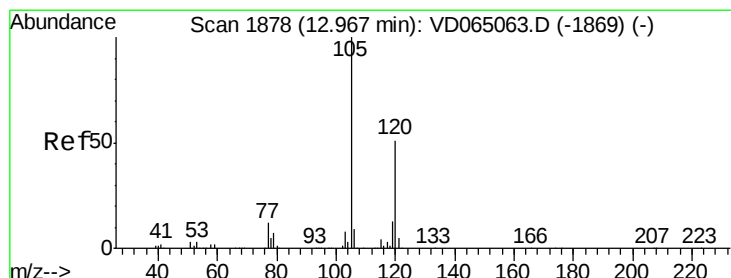
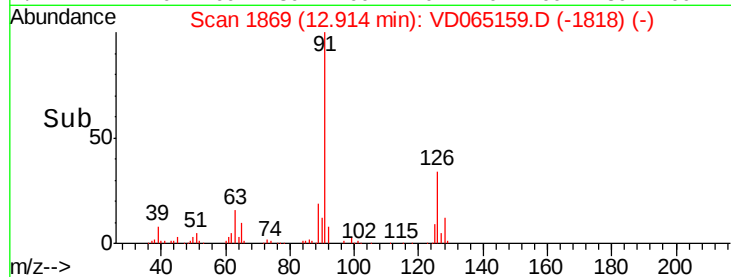
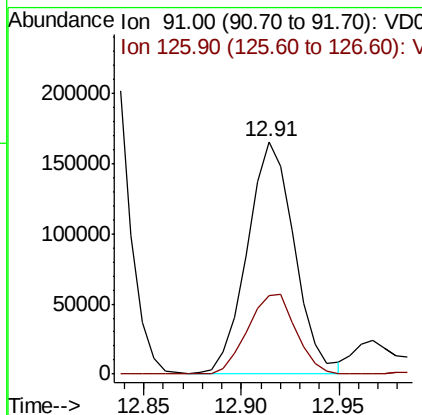
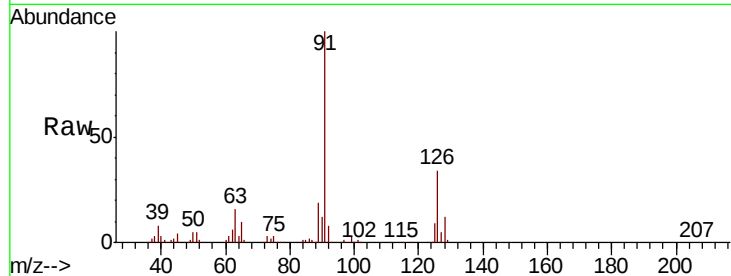




#79
 2-Chlorotoluene
 Concen: 19.949 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

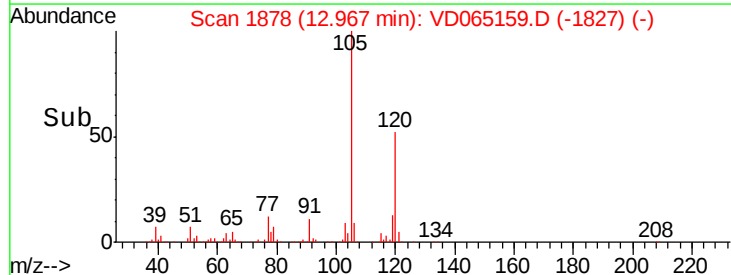
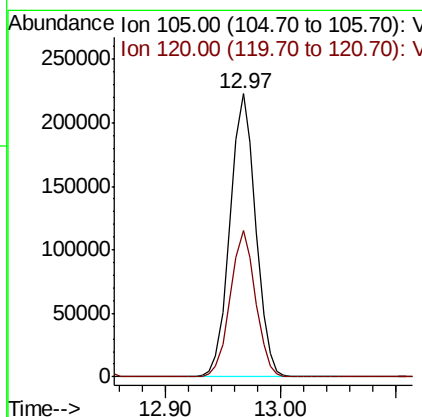
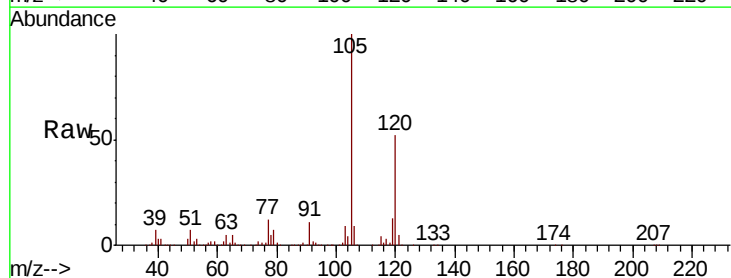
Instrument :
 MSVOA_D
 ClientSampleID :

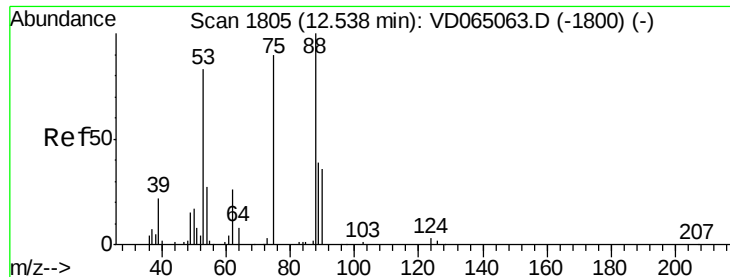
Tot Ion: 91 Resp: 276146
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.797 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion: 105 Resp: 343444
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.751 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

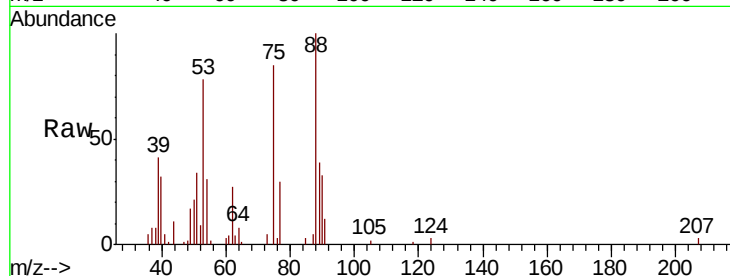
Tot Ion: 75 Resp: 20762

Ion Ratio Lower Upper

75 100

53 95.8 78.5 117.7

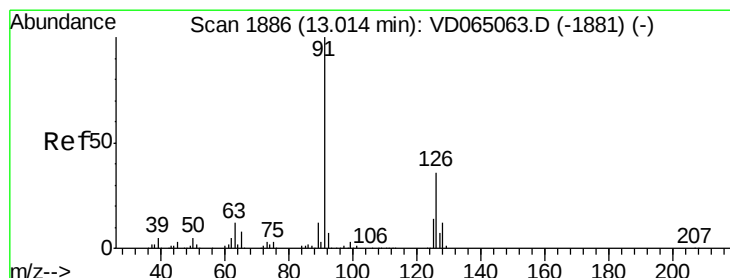
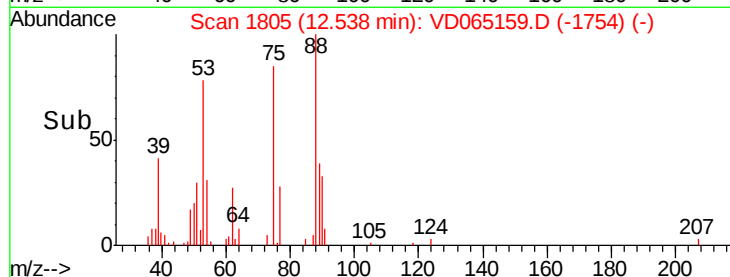
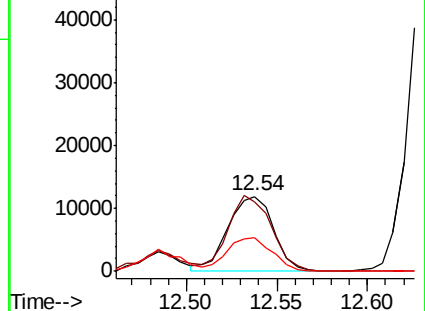
89 45.5 37.0 55.4



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: 20.010 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065159.D

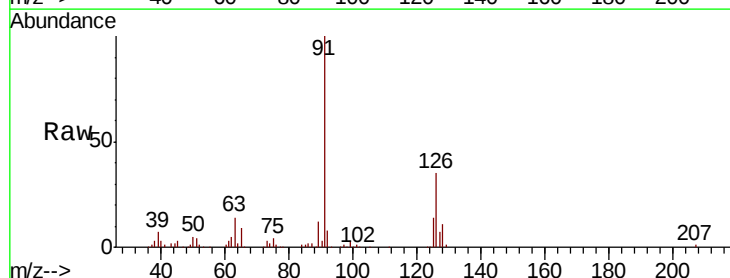
Acq: 12 Feb 2020 11:31

Tgt Ion: 91 Resp: 290905

Ion Ratio Lower Upper

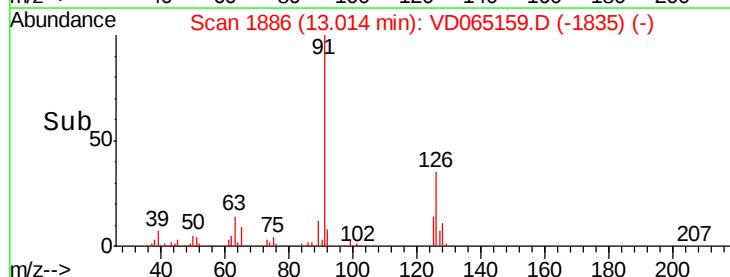
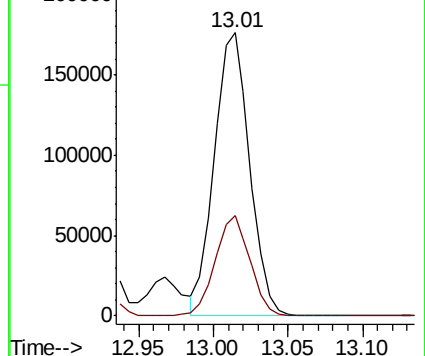
91 100

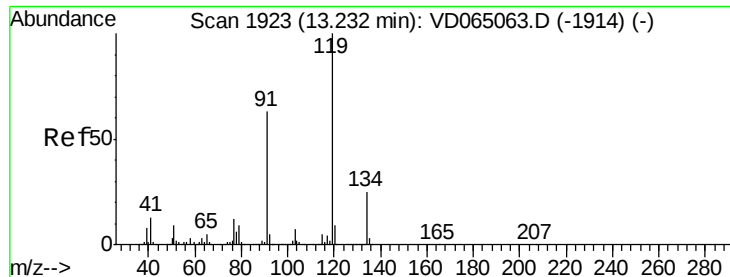
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

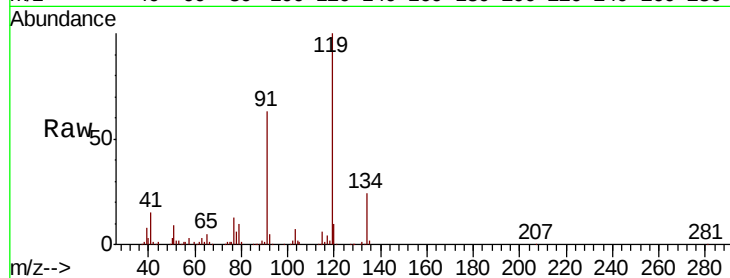




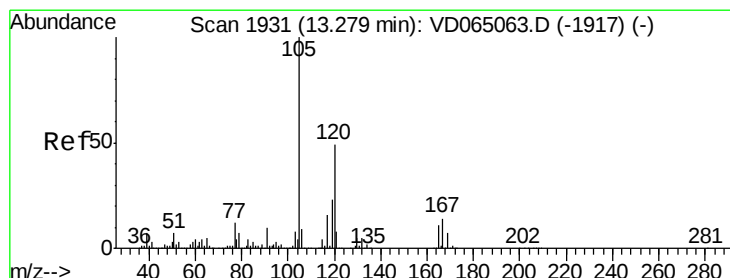
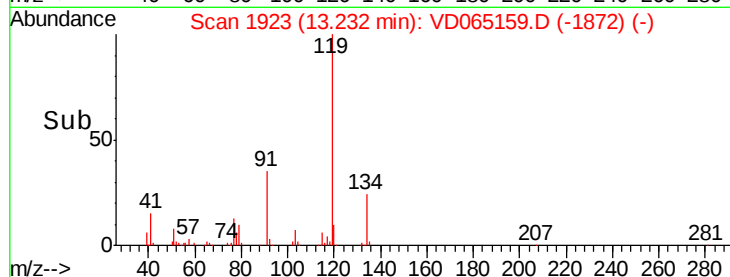
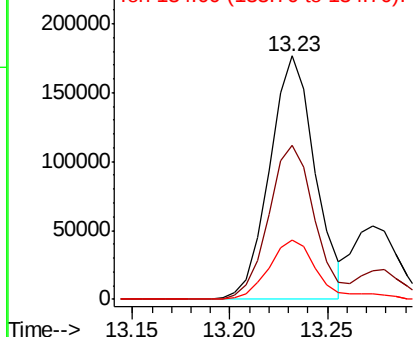
#83
tert-Butylbenzene
Concen: 18.993 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 284261
Ion Ratio Lower Upper
119 100
91 64.7 32.3 96.9
134 26.9 13.8 41.3

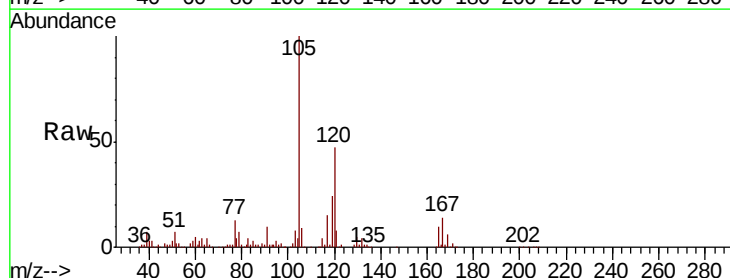


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

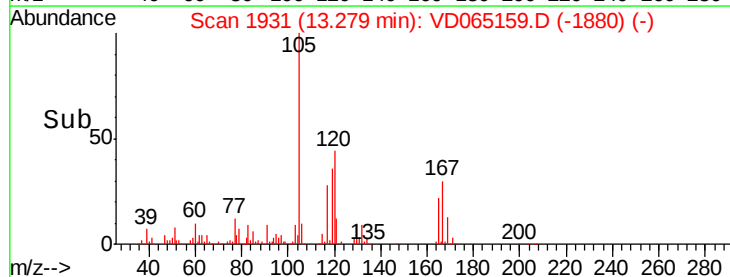
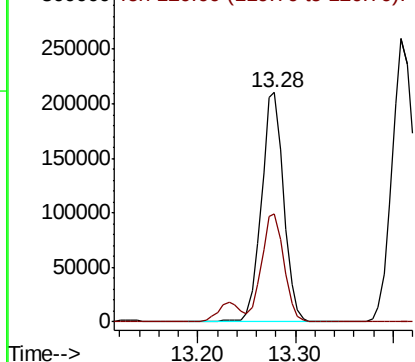


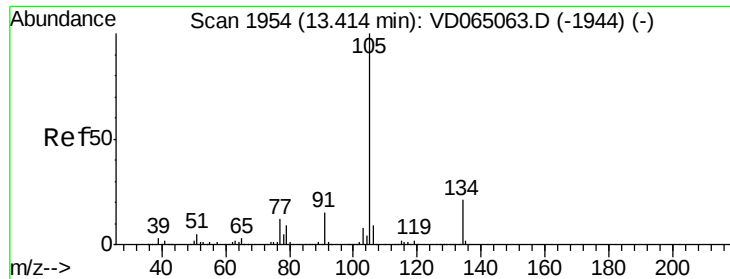
#84
1,2,4-Trimethylbenzene
Concen: 19.648 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:105 Resp: 338390
Ion Ratio Lower Upper
105 100
120 47.4 23.5 70.5



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

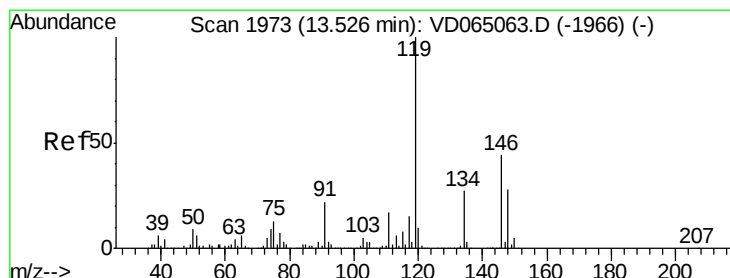
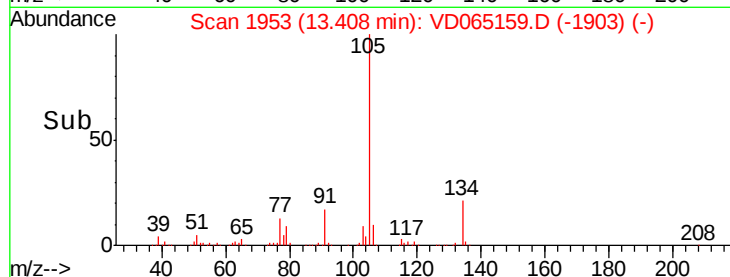
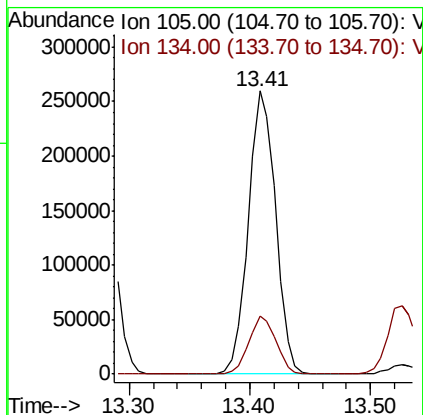
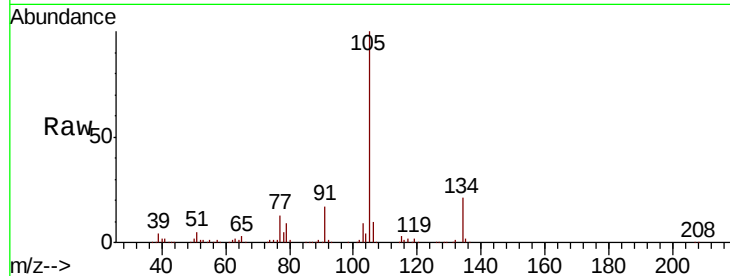




#85
 sec-Butylbenzene
 Concen: 20.129 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

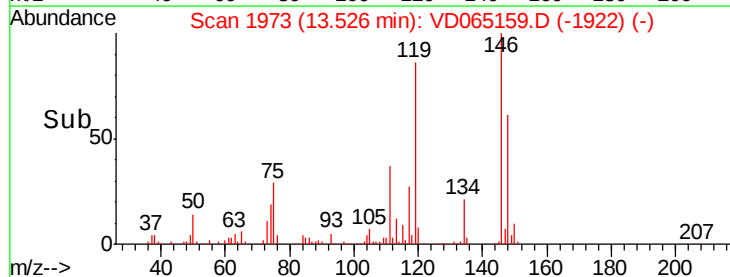
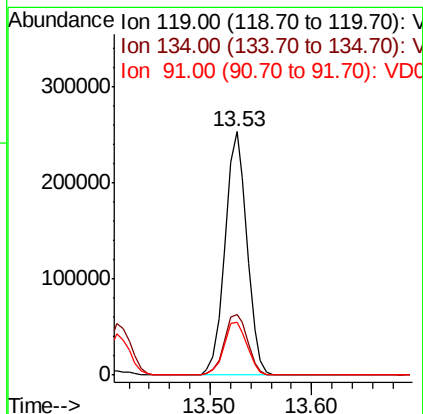
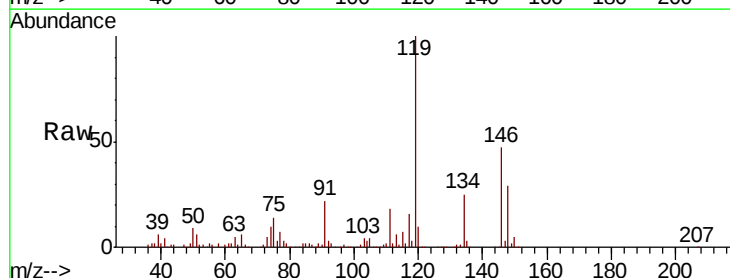
Instrument :
 MSVOA_D
 ClientSampled :

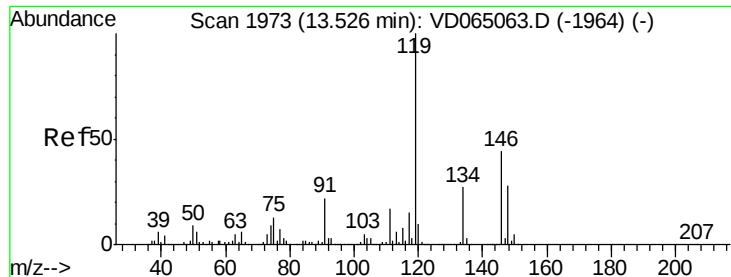
Tot Ion:105 Resp: 411477
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.960 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion:119 Resp: 379091
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 22.6 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 20.061 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

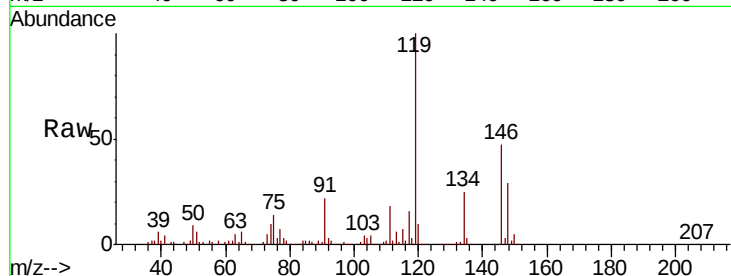
Tot Ion:146 Resp: 191899

Ion Ratio Lower Upper

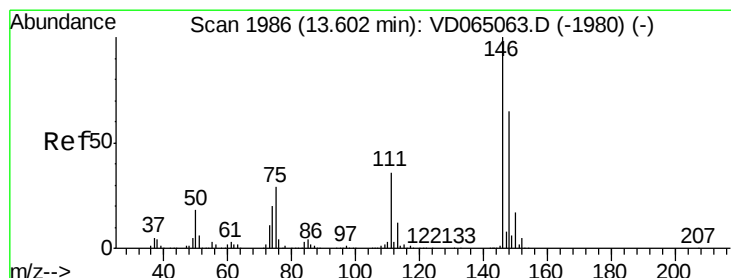
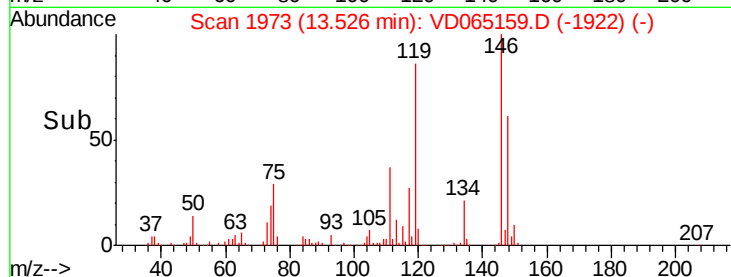
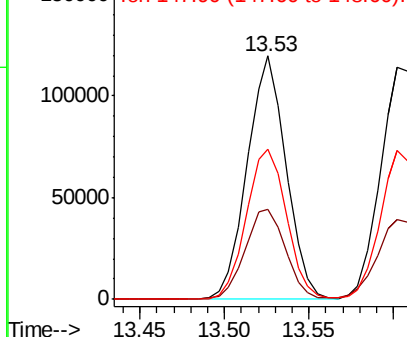
146 100

111 38.6 19.4 58.4

148 63.8 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 20.125 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

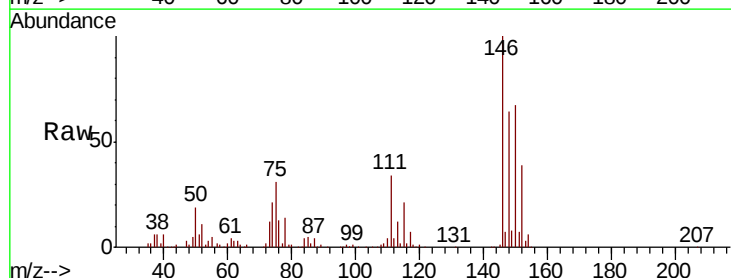
Tgt Ion:146 Resp: 191603

Ion Ratio Lower Upper

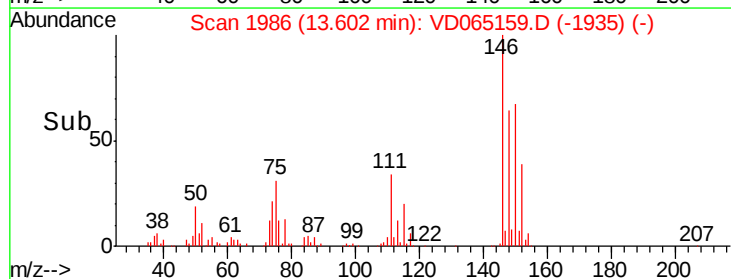
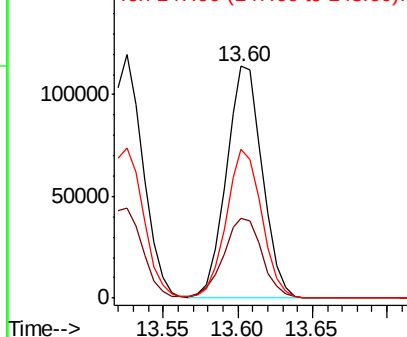
146 100

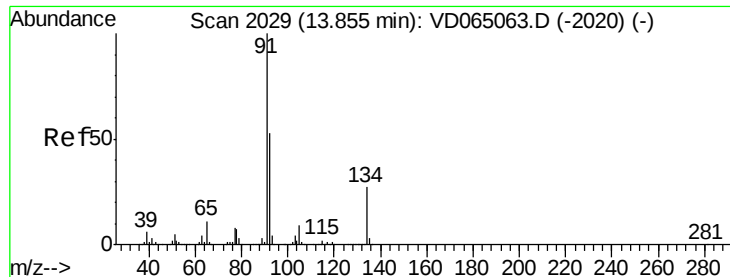
111 37.0 18.5 55.5

148 63.4 32.7 98.1



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





#89

n-Butylbenzene

Concen: 19.850 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

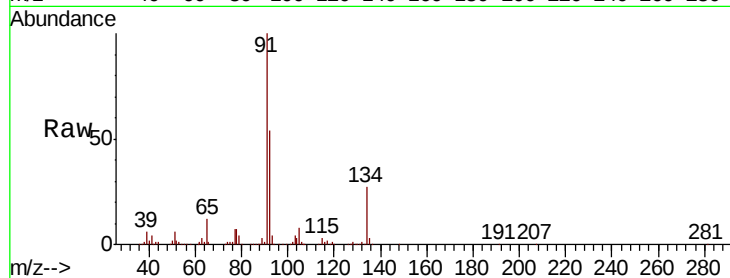
Tot Ion: 91 Resp: 347978

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	26.8	13.4	40.2

91 100

92 53.3 26.7 80.1

134 26.8 13.4 40.2

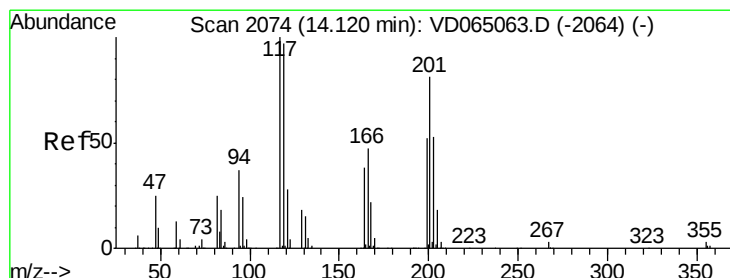
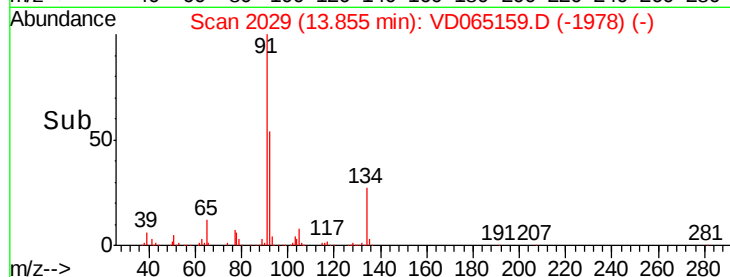
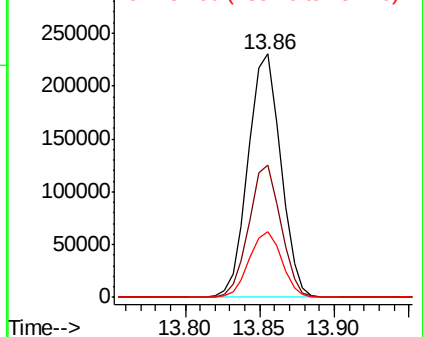


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.810 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065159.D

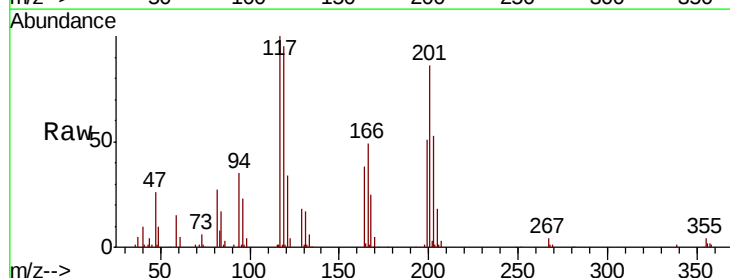
Acq: 12 Feb 2020 11:31

Tgt Ion: 117 Resp: 74844

Ion	Ratio	Lower	Upper
117	100		
201	81.2	42.5	127.6

117 100

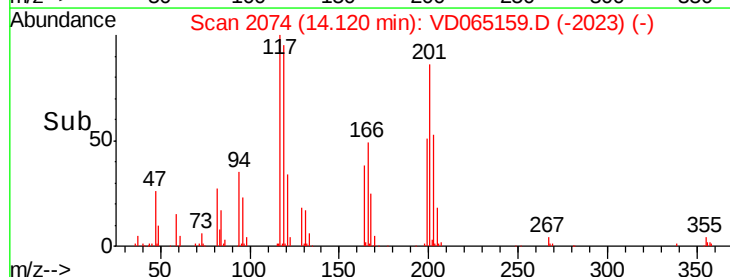
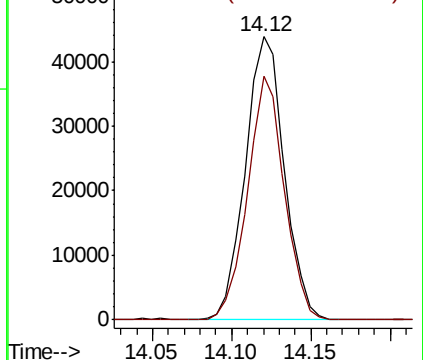
201 81.2 42.5 127.6

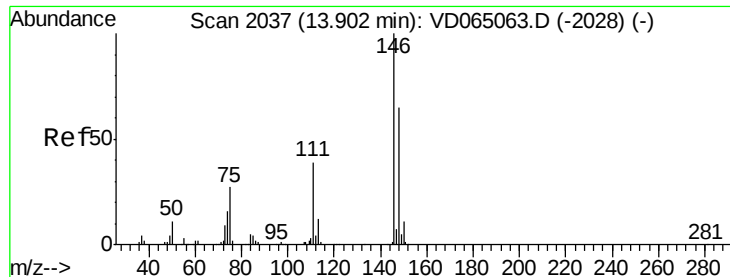


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

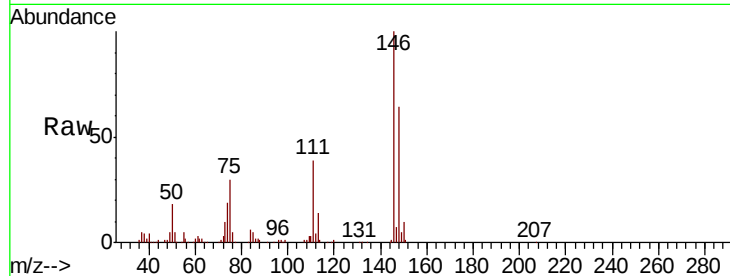




#91
 1,2-Dichlorobenzene
 Concen: 19.346 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.1	31.9	95.5

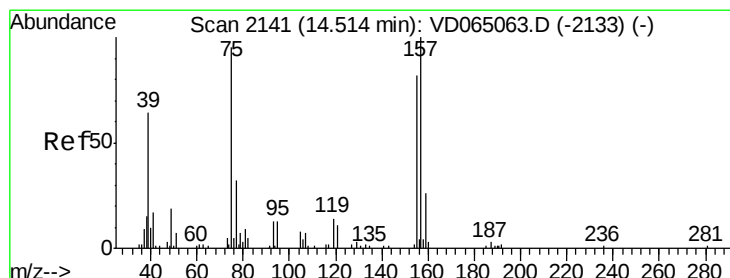
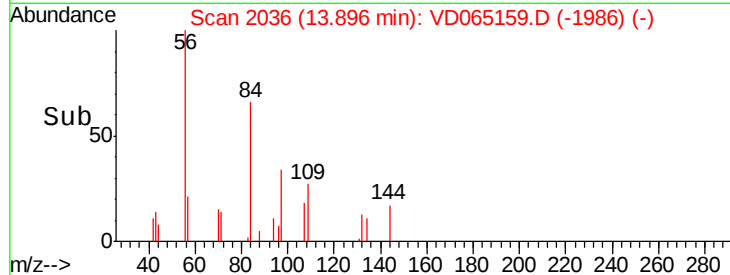
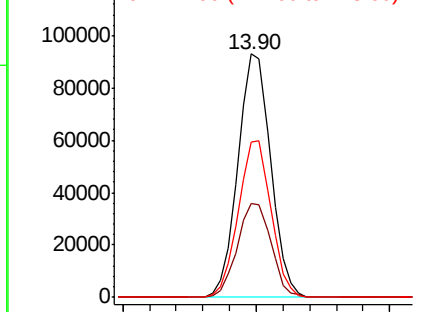


Abundance

Ion 145.90 (145.60 to 146.60): V

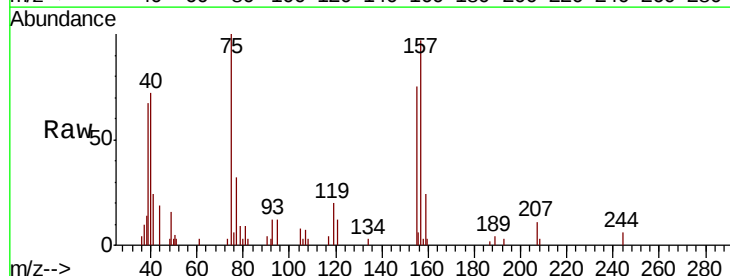
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.968 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	43.4	130.1
157	111.5	55.8	167.3

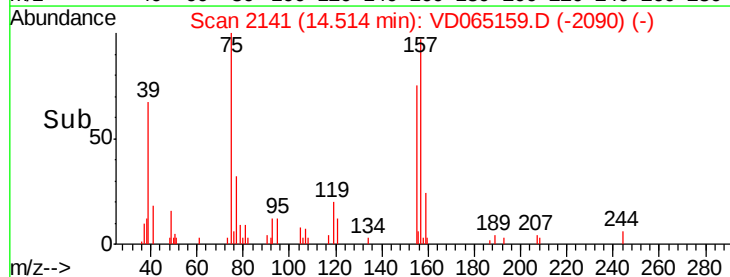
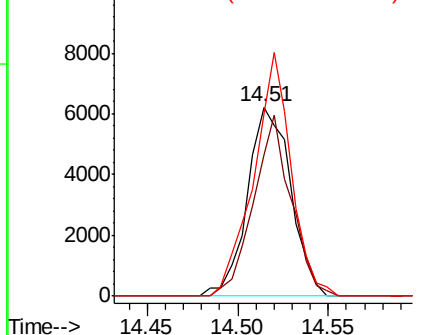


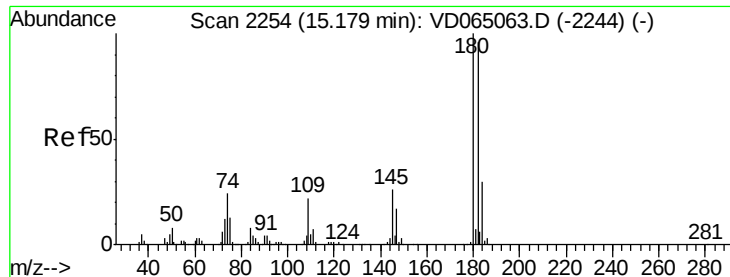
Abundance

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

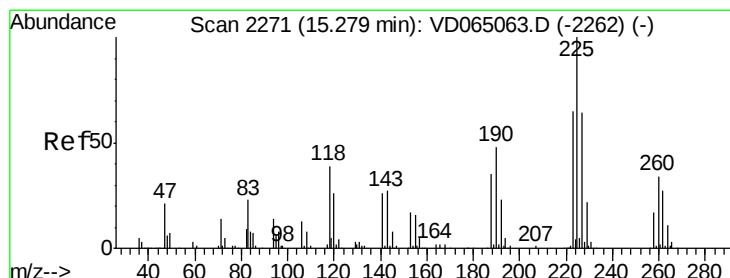
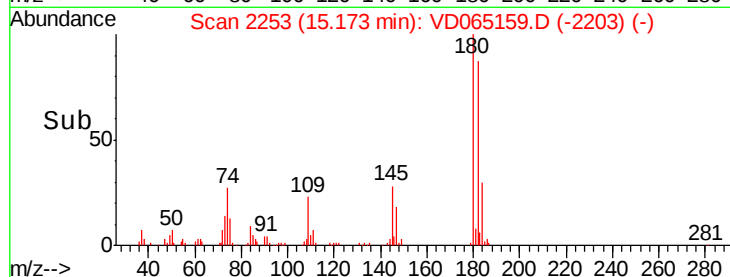
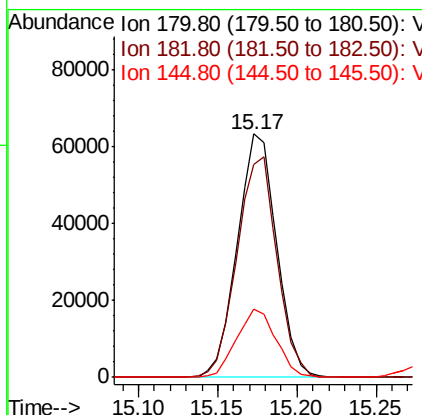
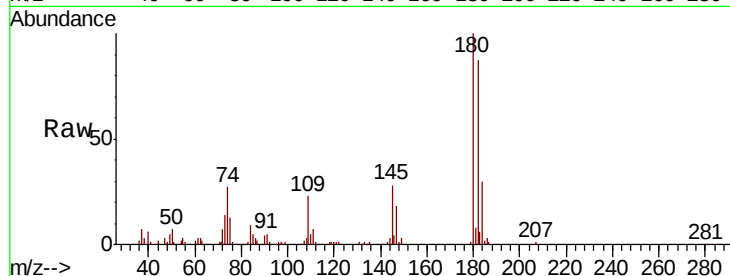




#93
 1,2,4-Trichlorobenzene
 Concen: 18.524 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

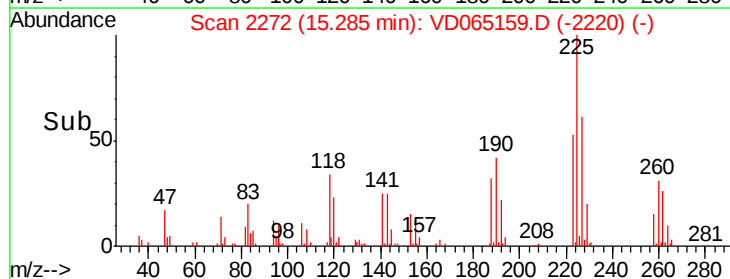
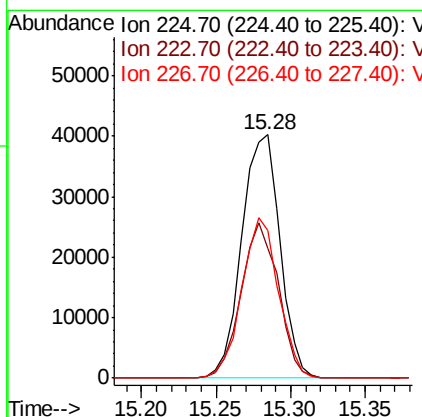
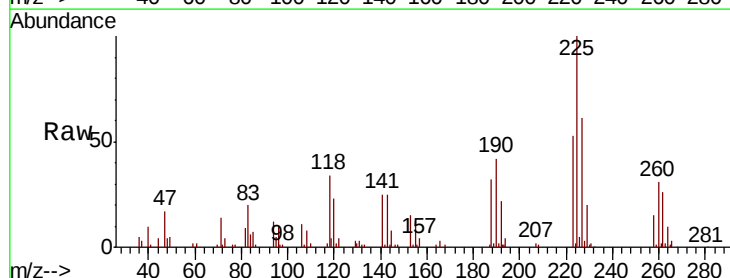
Instrument :
 MSVOA_D
 ClientSampleId :

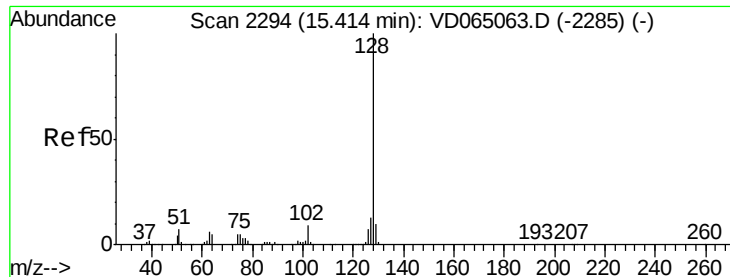
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.4	142.3
145	28.1	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 19.778 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.0
227	63.4	31.8	95.3

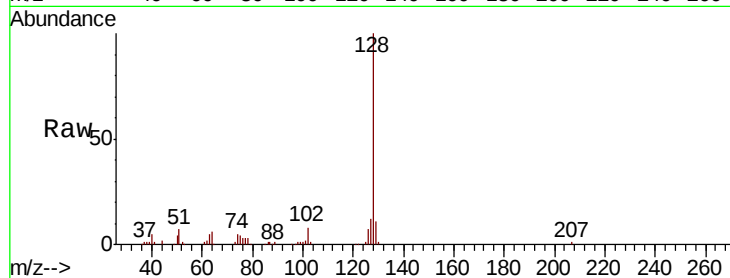




#95
Naphthalene
Concen: 16.226 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

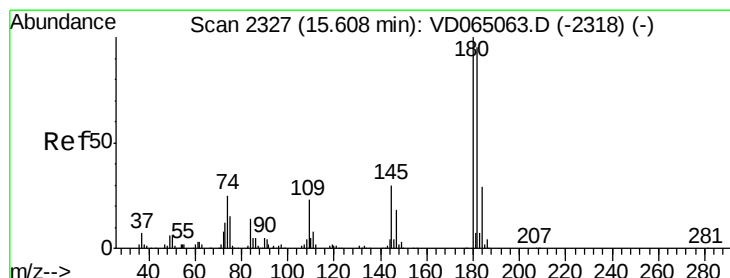
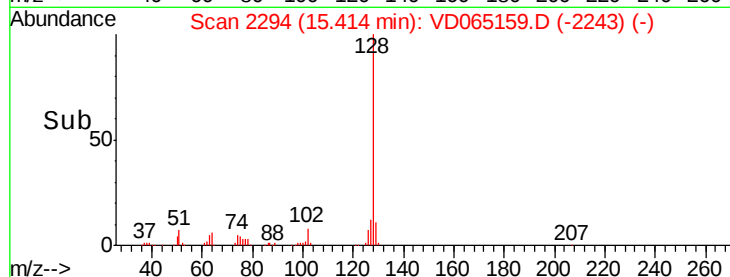
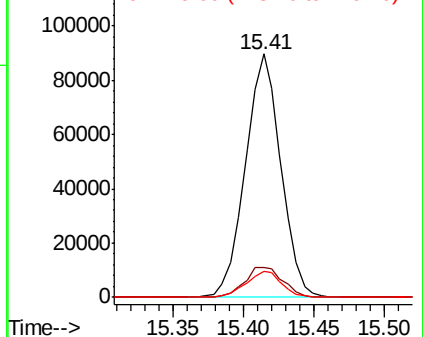


Abundance

Ion 128.00 (127.70 to 128.70): V

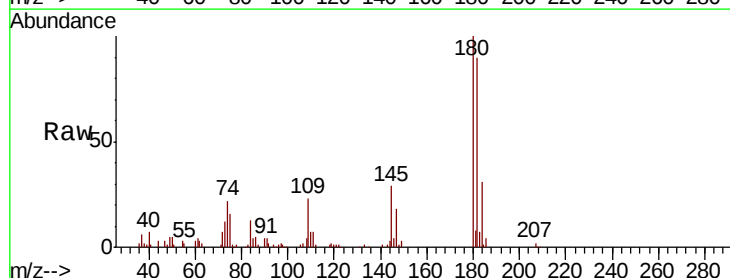
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.508 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.4
145	29.9	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

