

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060060.D
 Acq On : 20 Sep 2018 20:57
 Operator : VA/AP
 Sample : J5017-08MS
 Misc : 5.06/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Quant Time: Sep 21 01:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1144471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1641827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1140746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	390270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	467663	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	6.30	113	692604	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	9.44	98	1690219	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.42	95	517863	38.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	610962	50.57	ug/l	100
3) Chloromethane	1.74	50	603861	56.59	ug/l	99
4) Vinyl Chloride	1.83	62	492508	57.41	ug/l	100
5) Bromomethane	2.14	94	137591	135.50	ug/l	97
6) Chloroethane	2.24	64	185390	96.66	ug/l	93
7) Trichlorofluoromethane	2.49	101	543471	57.54	ug/l	100
8) Diethyl Ether	2.81	74	108836	54.21	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	281141	47.21	ug/l	96
10) Methyl Iodide	3.22	142	440255	69.80	ug/l	93
11) Tert butyl alcohol	3.94	59	134436	186.68	ug/l	98
12) 1,1-Dichloroethene	3.05	96	294668	62.58	ug/l	95
13) Acrolein	2.96	56	49896	111.88	ug/l	96
14) Allyl chloride	3.52	41	596031	60.02	ug/l	96
15) Acrylonitrile	4.06	53	598287	220.09	ug/l	97
16) Acetone	3.13	43	407518	236.50	ug/l	99
17) Carbon Disulfide	3.29	76	923527	56.92	ug/l	100
18) Methyl Acetate	3.54	43	259567	74.07	ug/l	95
19) Methyl tert-butyl Ether	4.10	73	1084120	49.83	ug/l	99
20) Methylene Chloride	3.69	84	753766	63.41	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	717401	58.05	ug/l	98
22) Diisopropyl ether	4.82	45	2568185	56.69	ug/l	96
23) Vinyl Acetate	4.78	43	5138286	200.22	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1204841	59.27	ug/l	99
25) 2-Butanone	5.59	43	912918	196.33	ug/l	99
26) 2,2-Dichloropropane	5.56	77	836116	52.90	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	763534	59.07	ug/l	96
28) Bromochloromethane	5.91	49	536703	54.92	ug/l	98
29) Tetrahydrofuran	5.93	42	508807	204.04	ug/l	99
30) Chloroform	6.08	83	1204551	58.43	ug/l	99
31) Cyclohexane	6.35	56	629682	31.77	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	884413	51.73	ug/l	99
36) 1,1-Dichloropropene	6.50	75	770261	47.23	ug/l	99
37) Ethyl Acetate	5.67	43	413869	36.90	ug/l #	95
38) Carbon Tetrachloride	6.48	117	672553	44.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	390680	21.18	ug/l	98
40) Benzene	6.77	78	2258210	54.33	ug/l	100
41) Methacrylonitrile	5.93	41	526786	89.68	ug/l #	83
42) 1,2-Dichloroethane	6.87	62	608266	48.73	ug/l	97
43) Isopropyl Acetate	8.33	43	541732	36.08	ug/l #	97
44) Trichloroethene	7.72	130	641776	49.97	ug/l	98
45) 1,2-Dichloropropane	8.08	63	585621	52.69	ug/l	100
46) Dibromomethane	8.20	93	346208	47.74	ug/l	92
47) Bromodichloromethane	8.48	83	788035	50.40	ug/l	99
48) Methyl methacrylate	8.23	41	374735	44.81	ug/l	96
49) 1,4-Dioxane	8.21	88	67278	809.94	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1831780	177.08	ug/l	98
52) Toluene	9.53	92	1256359	47.15	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	670563	45.98	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	850219	48.80	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	400750	43.32	ug/l	99
56) Ethyl methacrylate	10.02	69	423746	41.30	ug/l	95
57) 1,3-Dichloropropane	10.37	76	648988	47.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1164582	235.04	ug/l	99
59) 2-Hexanone	10.47	43	1331699	180.26	ug/l	99
60) Dibromochloromethane	10.63	129	509866	45.28	ug/l	98
61) 1,2-Dibromoethane	10.75	107	419532	43.92	ug/l	99
64) Tetrachloroethene	10.24	164	429669	42.69	ug/l	97
65) Chlorobenzene	11.30	112	1292224	52.69	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	460544	55.67	ug/l	98
67) Ethyl Benzene	11.42	91	1931002	48.93	ug/l	98
68) m/p-Xylenes	11.56	106	1380943	94.74	ug/l	95
69) o-Xylene	11.93	106	686791	47.55	ug/l	96
70) Styrene	11.95	104	1181935	48.67	ug/l	98
71) Bromoform	12.11	173	325707	45.83	ug/l	99
73) Isopropylbenzene	12.26	105	1517488	59.29	ug/l	97
74) N-amyl acetate	12.13	43	638650	62.99	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	440198	75.81	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	406257	68.16	ug/l	98
77) Bromobenzene	12.53	156	520538	70.60	ug/l	91
78) n-propylbenzene	12.63	91	1654986	51.42	ug/l	97
79) 2-Chlorotoluene	12.70	91	1049276	57.76	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1011673	51.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	116678	64.85	ug/l	93
82) 4-Chlorotoluene	12.81	91	1187823	59.47	ug/l	93
83) tert-Butylbenzene	13.04	119	1088316	47.88	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1058428	50.56	ug/l	97
85) sec-Butylbenzene	13.22	105	1013298	37.56	ug/l	96
86) p-Isopropyltoluene	13.34	119	818963	37.53	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	681493	53.15	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	678888	52.20	ug/l	97
89) n-Butylbenzene	13.64	91	713636	32.39	ug/l	98
90) Hexachloroethane	13.85	117	176838	32.72	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	583581	57.90	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	44828	50.64	ug/l	68

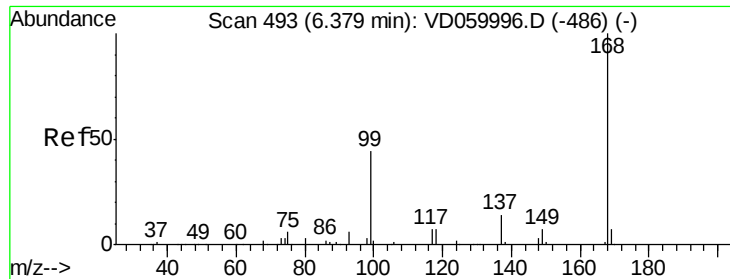
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	177412	19.42	ug/l	95
94) Hexachlorobutadiene	14.87	225	66252	10.96	ug/l	96
95) Naphthalene	14.96	128	447694	31.73	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	156076	19.38	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

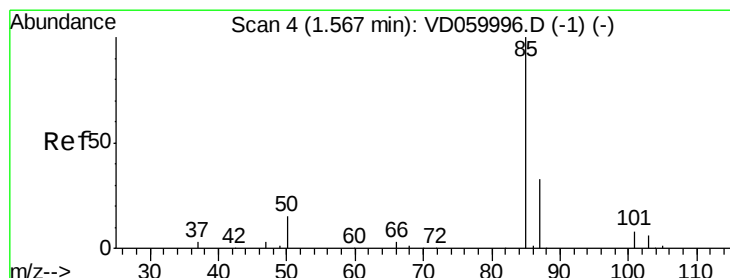
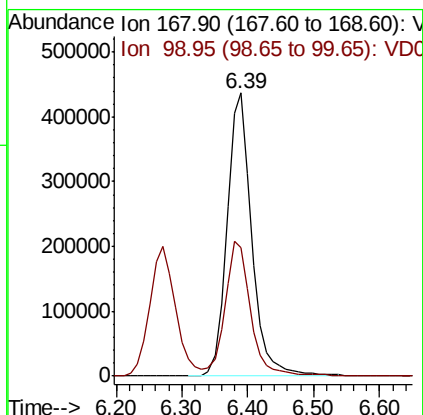
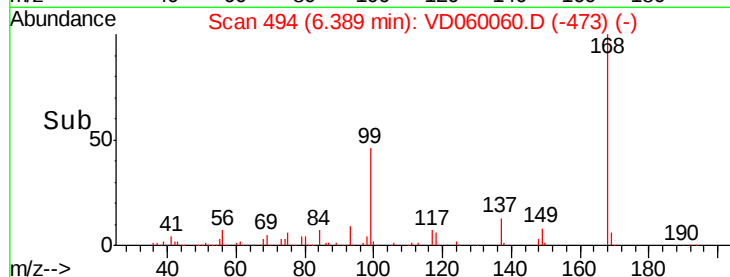
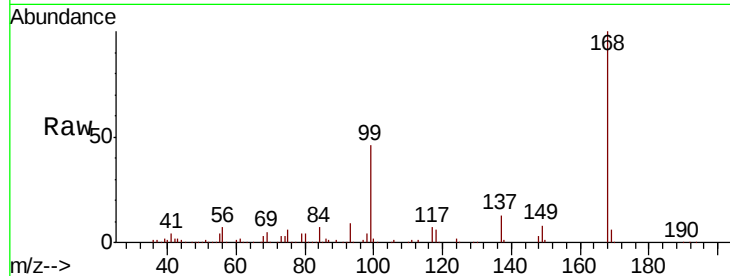
RA-091918-S-NW-061MS

Tot Ion:168 Resp: 1144471

Ion Ratio Lower Upper

168 100

99 45.5 38.5 57.7



#2

Dichlorodifluoromethane

Concen: 50.57 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060060.D

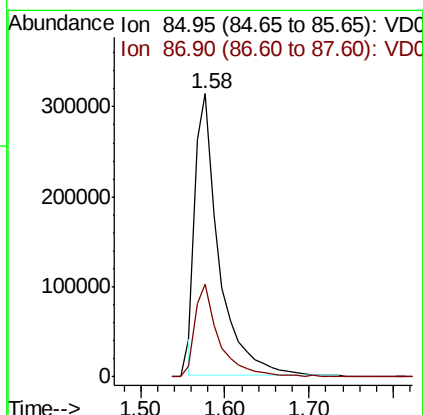
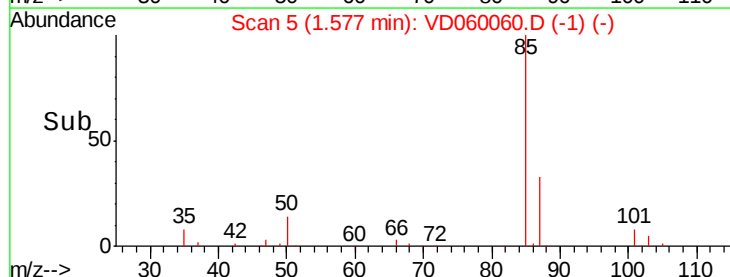
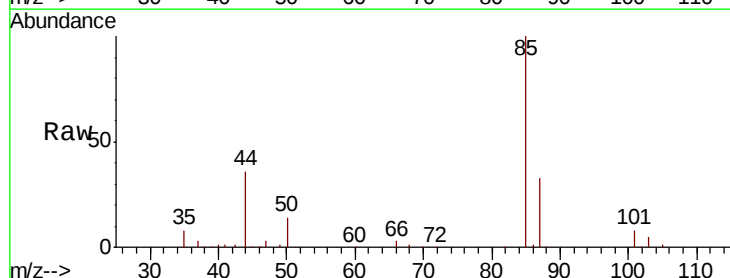
Acq: 20 Sep 2018 20:57

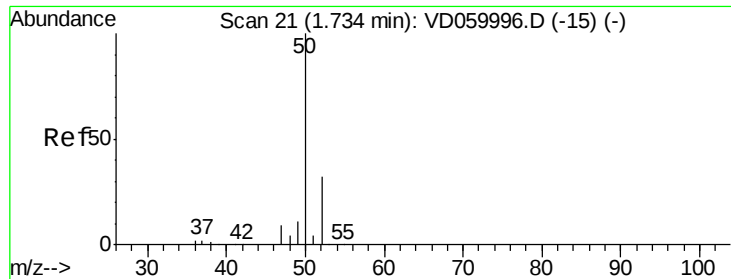
Tgt Ion: 85 Resp: 610962

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1





#3

Chloromethane

Concen: 56.59 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

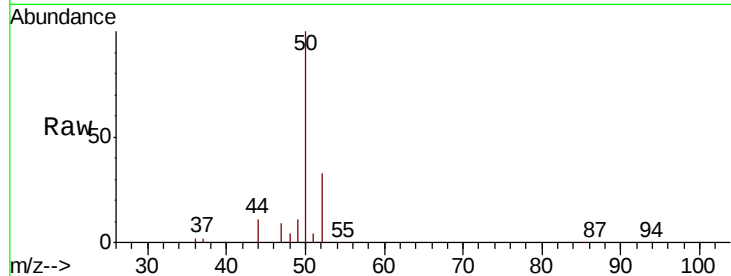
RA-091918-S-NW-061MS

Tot Ion: 50 Resp: 603861

Ion Ratio Lower Upper

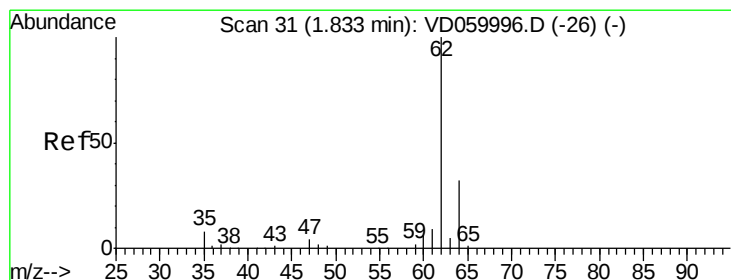
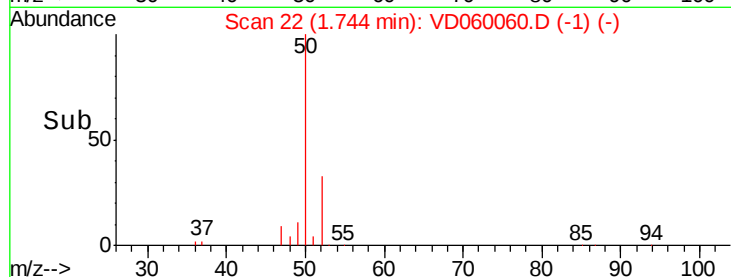
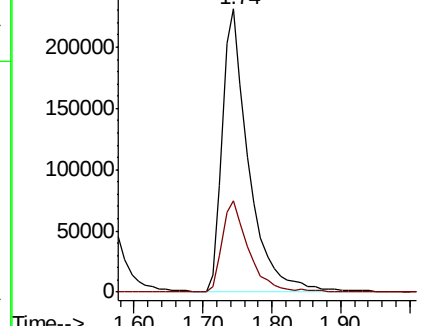
50 100

52 32.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 57.41 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060060.D

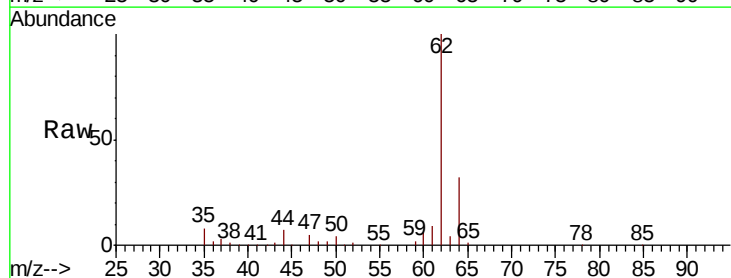
Acq: 20 Sep 2018 20:57

Tgt Ion: 62 Resp: 492508

Ion Ratio Lower Upper

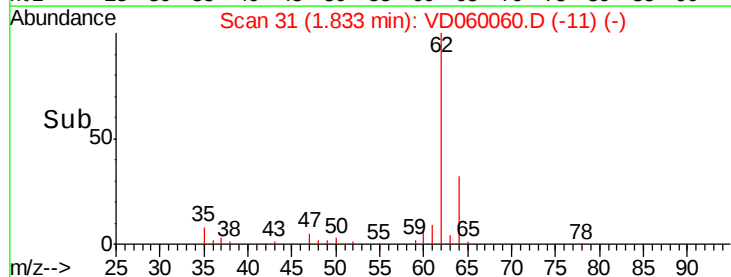
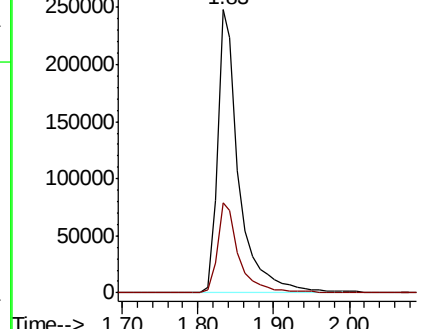
62 100

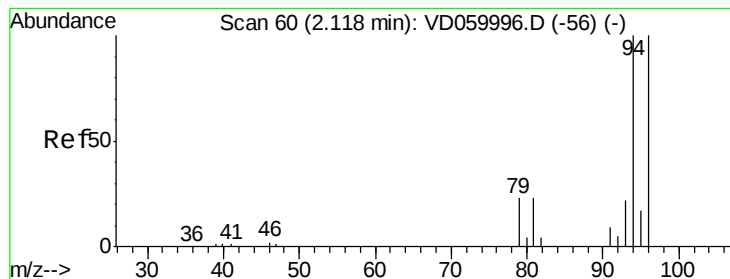
64 31.7 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 135.50 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

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ClientSampleId :

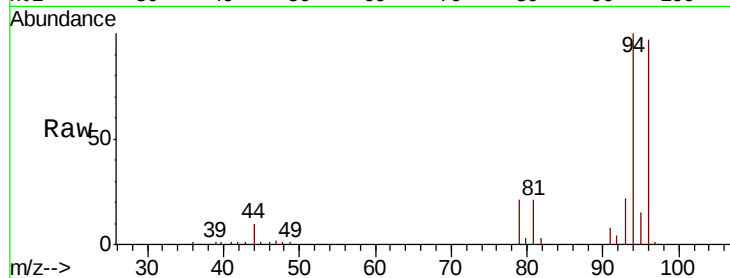
RA-091918-S-NW-061MS

Tot Ion: 94 Resp: 137591

Ion Ratio Lower Upper

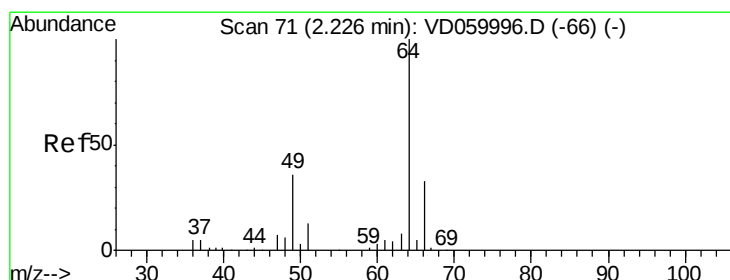
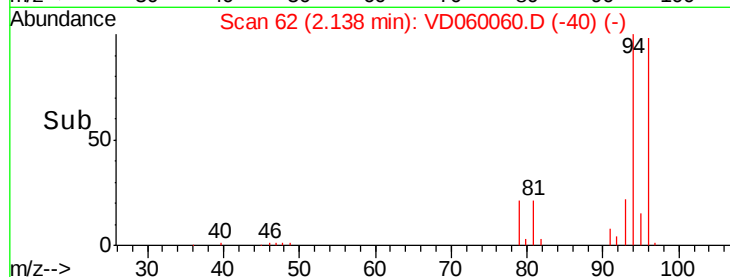
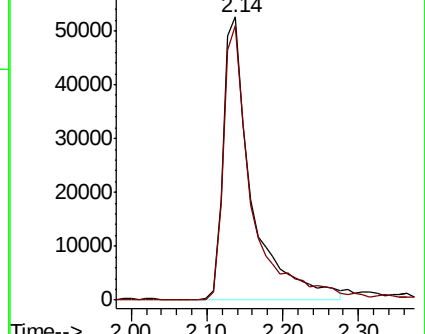
94 100

96 97.1 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 96.66 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060060.D

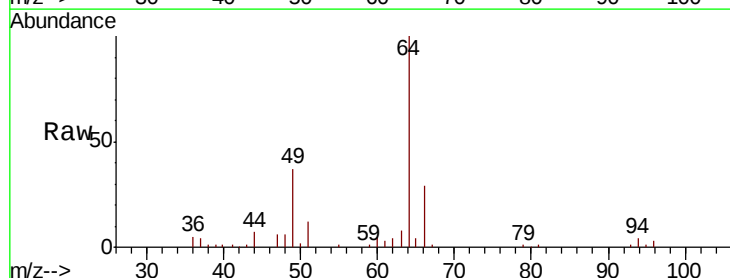
Acq: 20 Sep 2018 20:57

Tgt Ion: 64 Resp: 185390

Ion Ratio Lower Upper

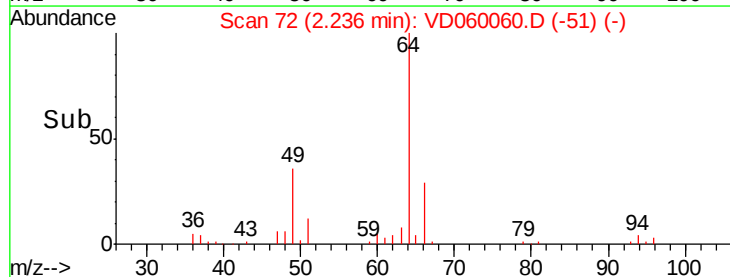
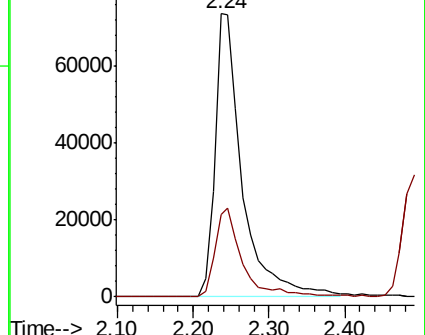
64 100

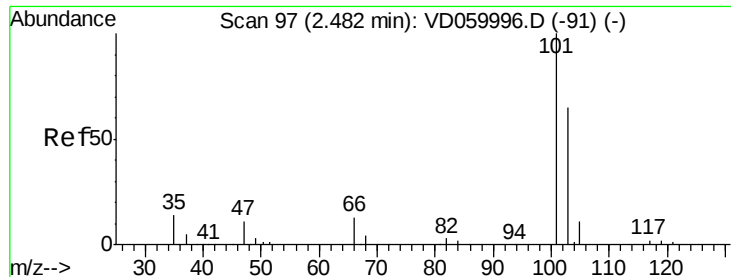
66 29.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 57.54 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

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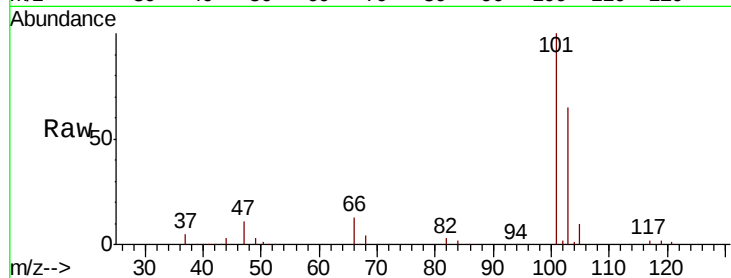
RA-091918-S-NW-061MS

Tot Ion:101 Resp: 543471

Ion Ratio Lower Upper

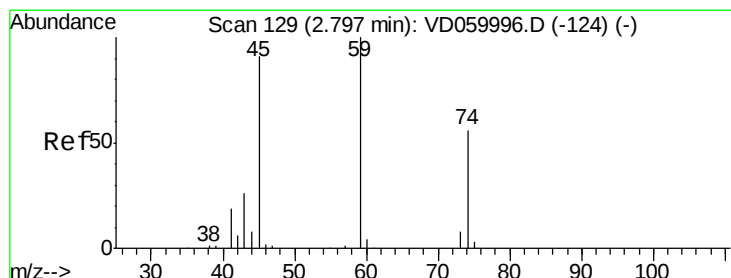
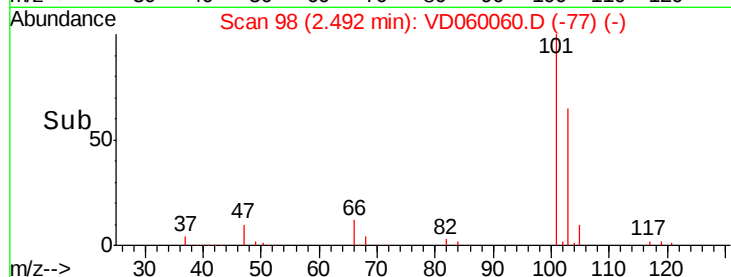
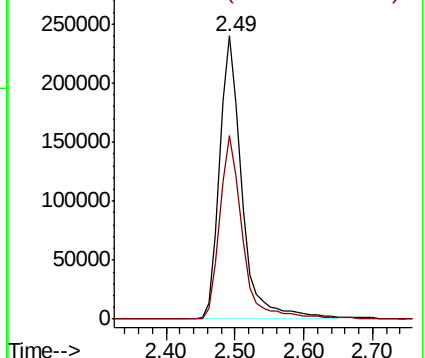
101 100

103 64.6 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 54.21 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060060.D

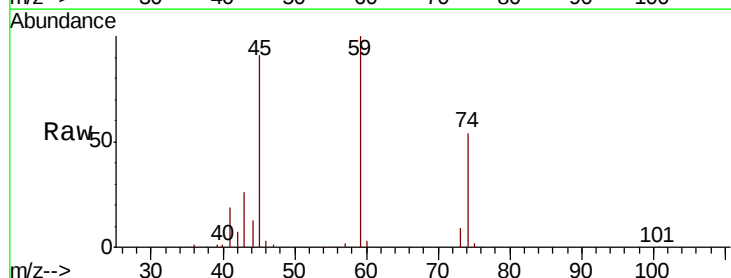
Acq: 20 Sep 2018 20:57

Tgt Ion: 74 Resp: 108836

Ion Ratio Lower Upper

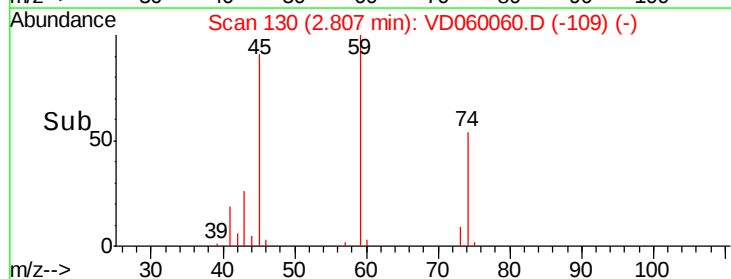
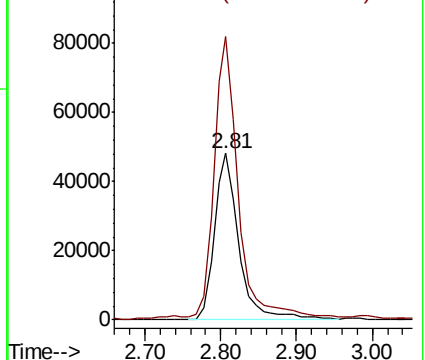
74 100

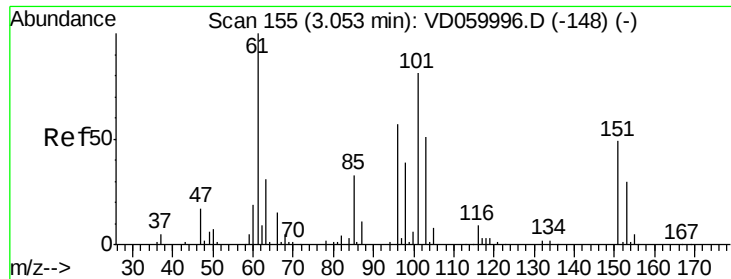
45 170.1 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.21 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060060.D

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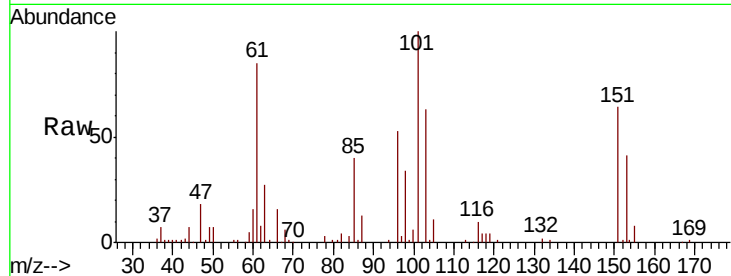
Tot Ion:101 Resp: 281141

Ion Ratio Lower Upper

101 100

85 40.2 33.1 49.7

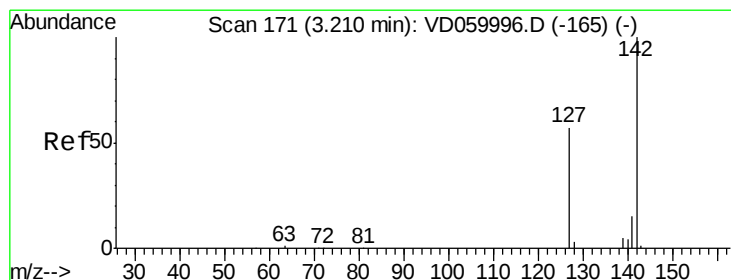
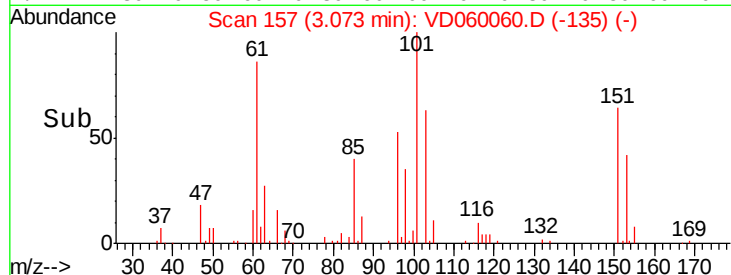
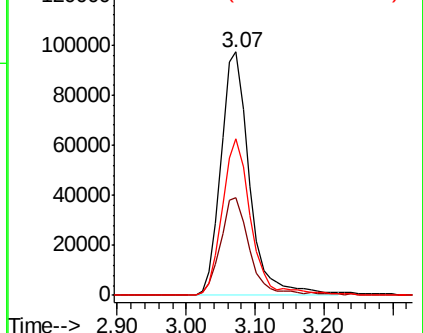
151 64.2 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 69.80 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

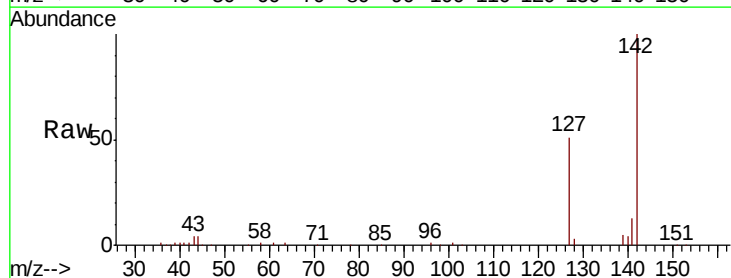
Tgt Ion:142 Resp: 440255

Ion Ratio Lower Upper

142 100

127 51.5 45.8 68.8

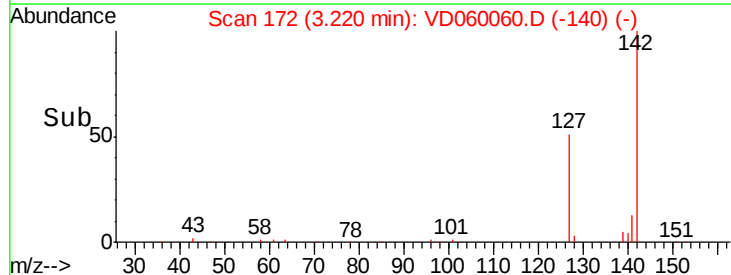
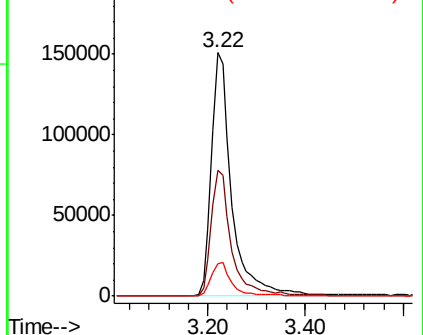
141 13.5 12.2 18.4

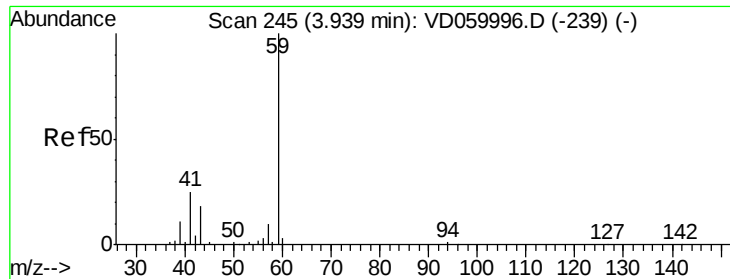


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



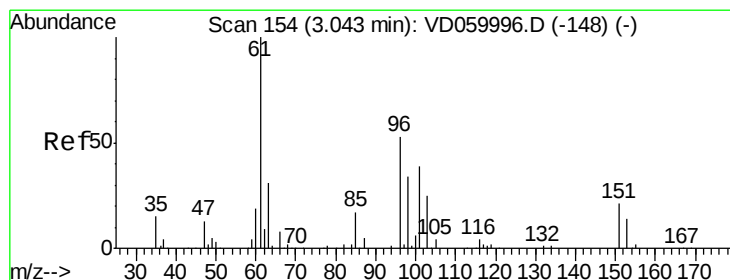
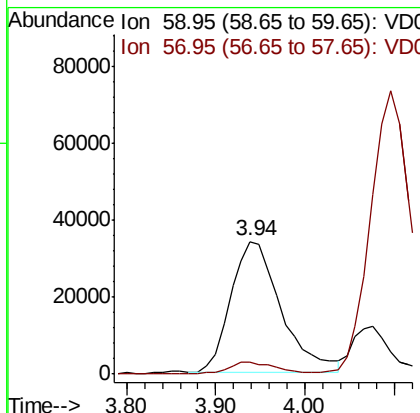
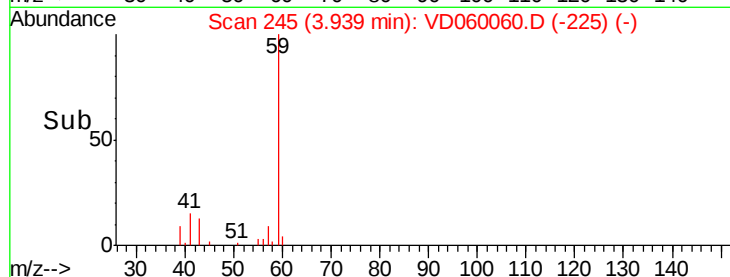
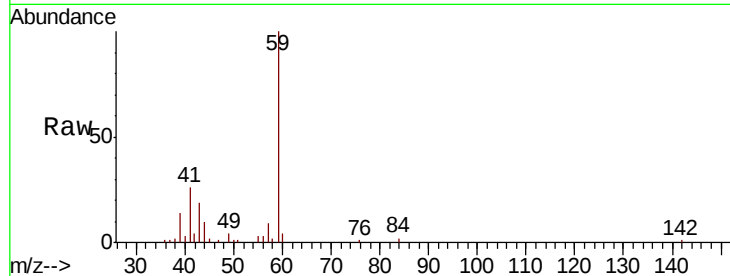


#11

Tert butyl alcohol
Concen: 186.68 ug/l
RT: 3.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

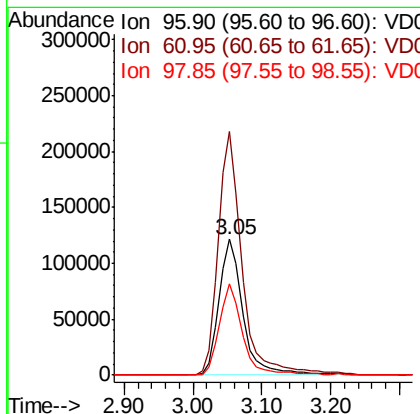
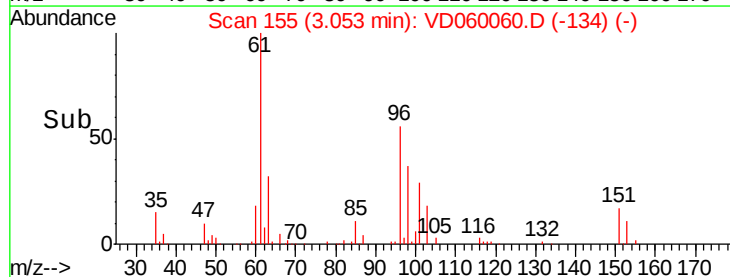
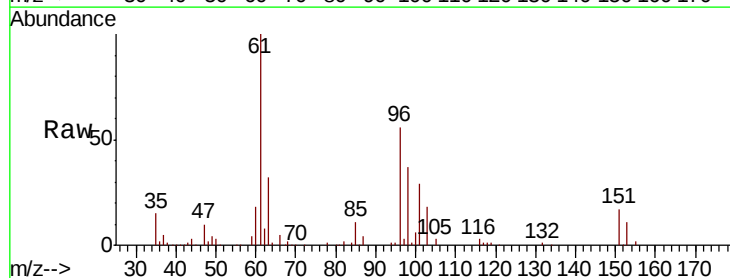
Tot Ion: 59 Resp: 134436
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2

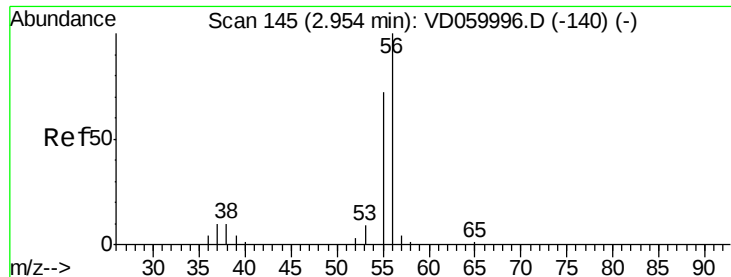


#12

1,1-Dichloroethene
Concen: 62.58 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 96 Resp: 294668
Ion Ratio Lower Upper
96 100
61 179.7 149.8 224.6
98 67.1 50.2 75.4





#13

Acrolein

Concen: 111.88 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

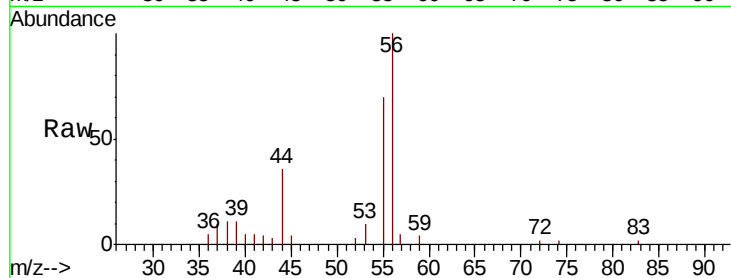
RA-091918-S-NW-061MS

Tot Ion: 56 Resp: 49896

Ion Ratio Lower Upper

56 100

55 69.7 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

20000

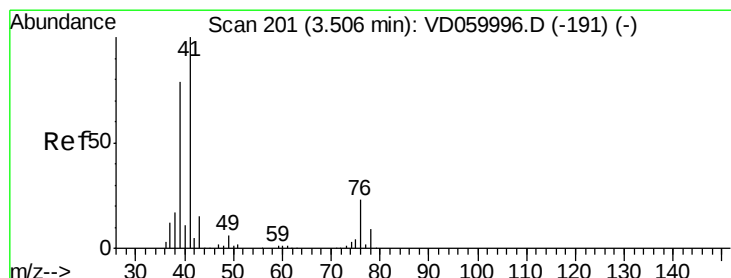
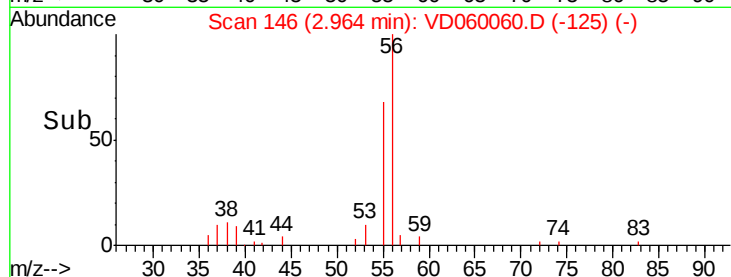
15000

10000

5000

0

Time--> 2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 60.02 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

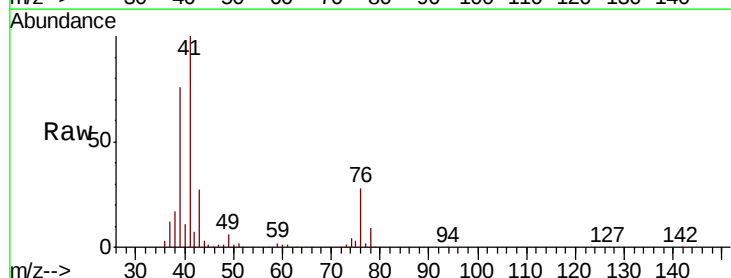
Tgt Ion: 41 Resp: 596031

Ion Ratio Lower Upper

41 100

39 75.7 63.6 95.4

76 27.5 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

500000

400000

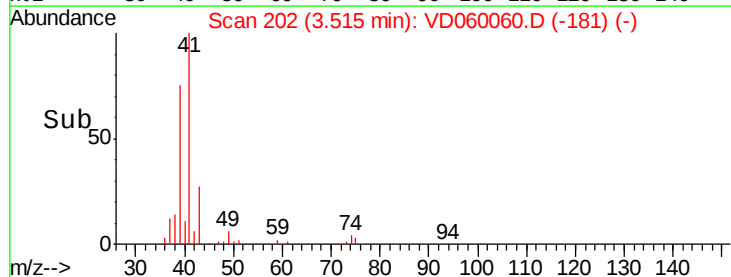
300000

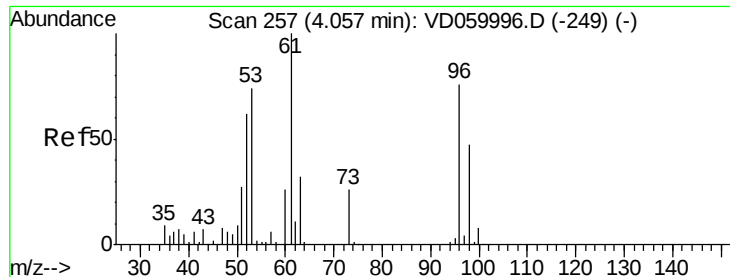
200000

100000

0

Time--> 3.30 3.40 3.50 3.60





#15

Acrylonitrile

Concen: 220.09 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

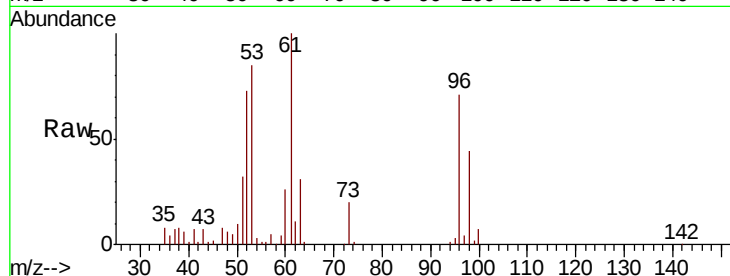
Tot Ion: 53 Resp: 598287

Ion Ratio Lower Upper

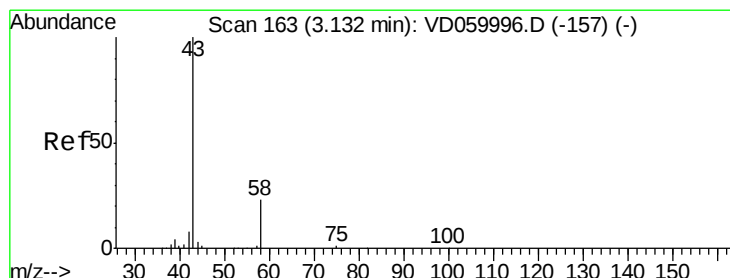
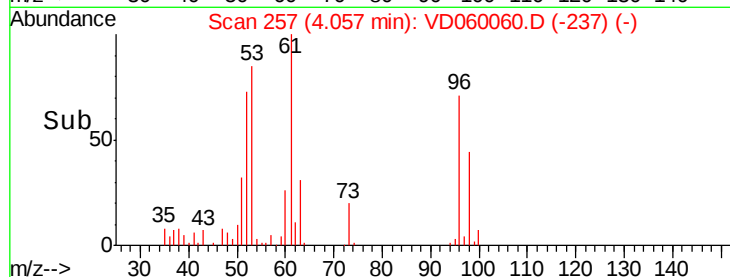
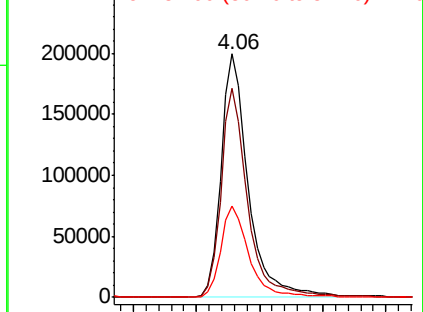
53 100

52 86.0 66.7 100.1

51 37.6 29.0 43.6



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: 236.50 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD060060.D

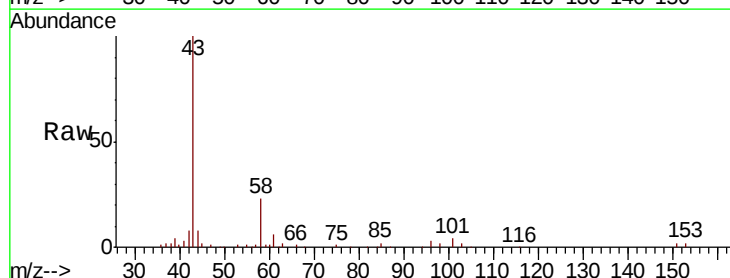
Acq: 20 Sep 2018 20:57

Tgt Ion: 43 Resp: 407518

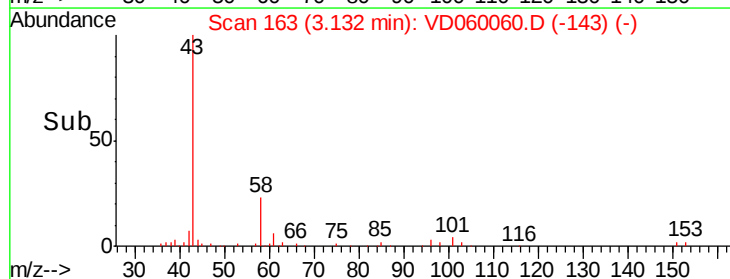
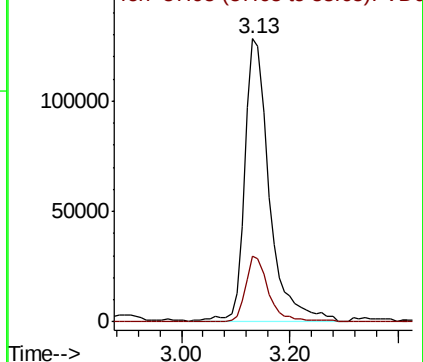
Ion Ratio Lower Upper

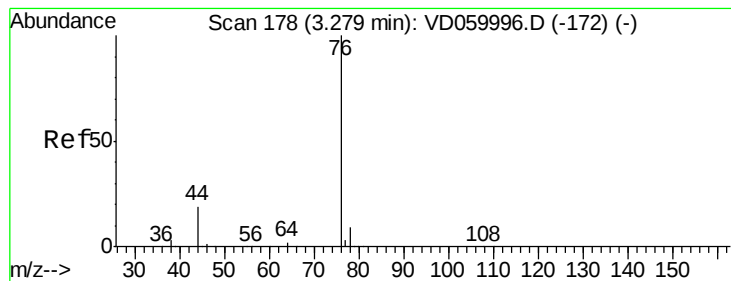
43 100

58 23.2 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 56.92 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

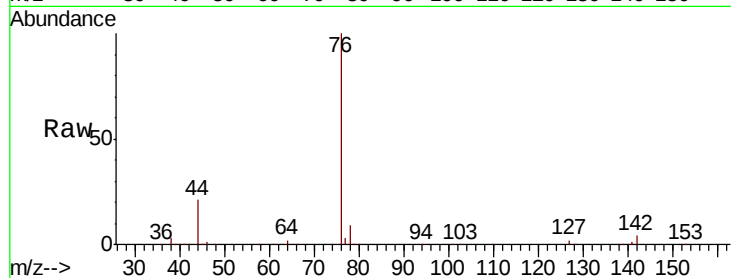
RA-091918-S-NW-061MS

Tot Ion: 76 Resp: 923527

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

400000

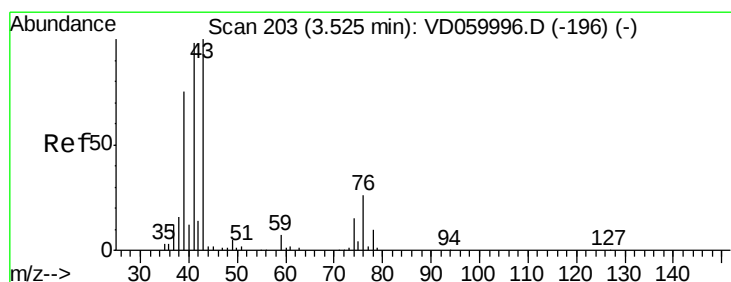
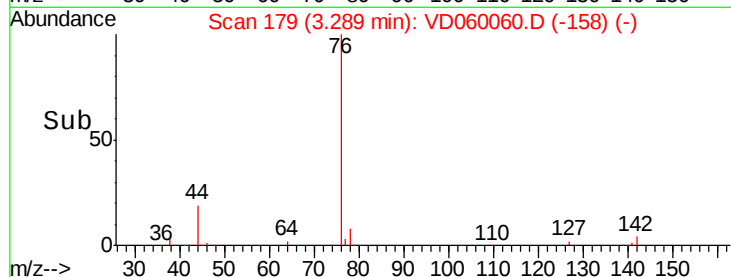
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 74.07 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060060.D

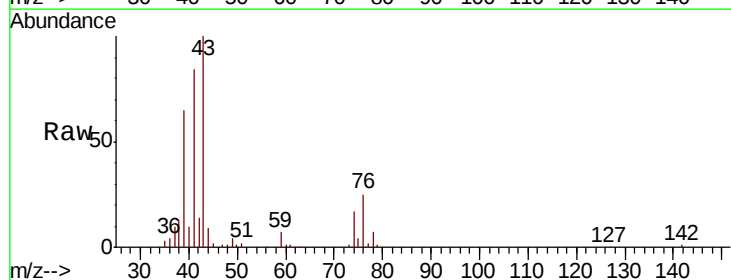
Acq: 20 Sep 2018 20:57

Tgt Ion: 43 Resp: 259567

Ion Ratio Lower Upper

43 100

74 16.7 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

100000

80000

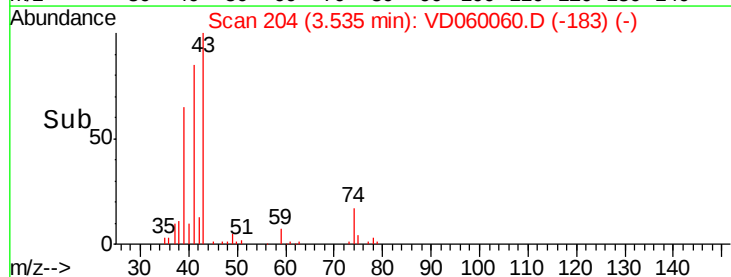
60000

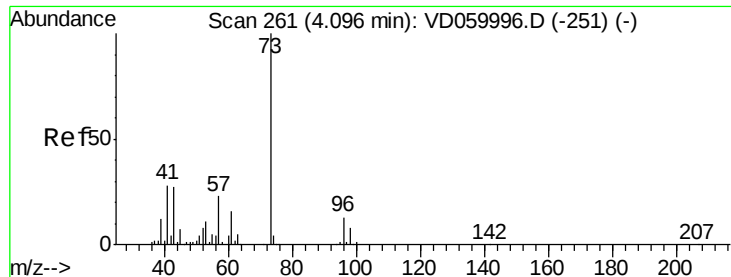
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether
 Concen: 49.83 ug/l
 RT: 4.10 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

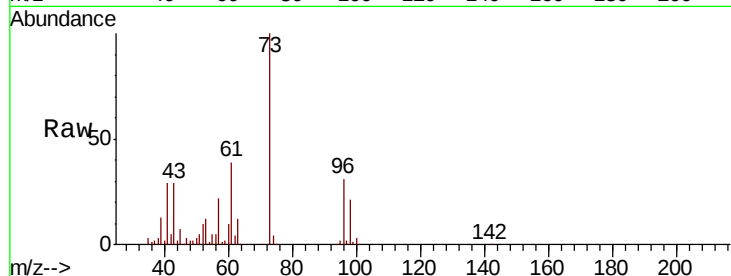
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion: 73 Resp: 1084120

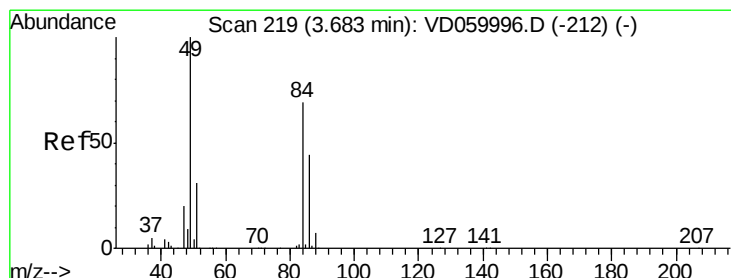
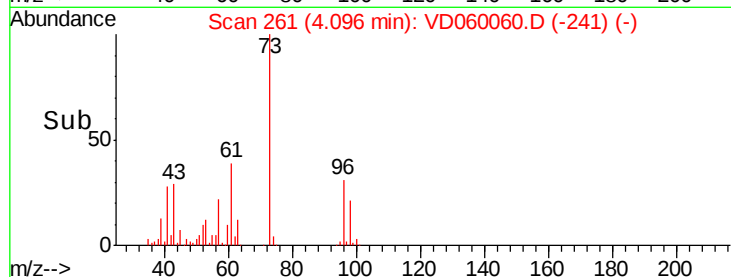
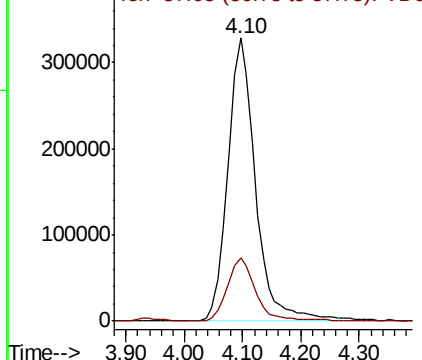
Ion Ratio Lower Upper

73 100

57 22.4 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 63.41 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion: 84 Resp: 753766

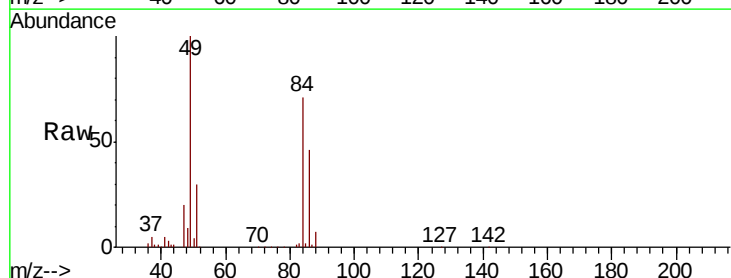
Ion Ratio Lower Upper

84 100

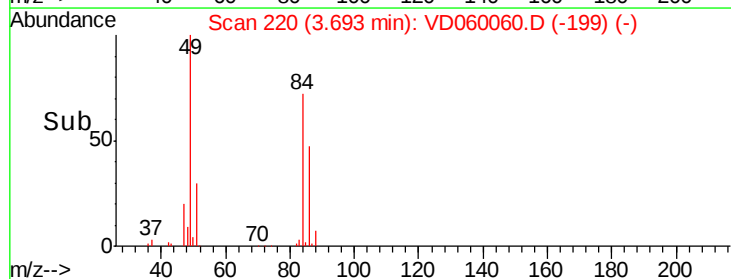
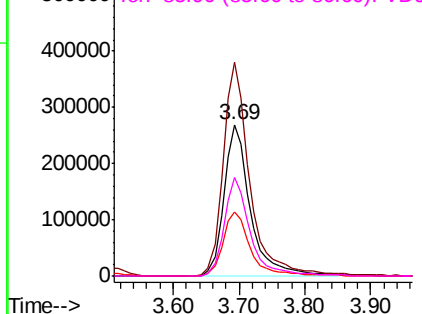
49 140.9 116.6 175.0

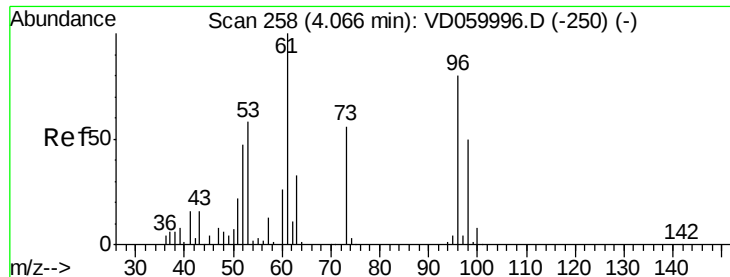
51 42.0 35.9 53.9

86 65.4 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 58.05 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

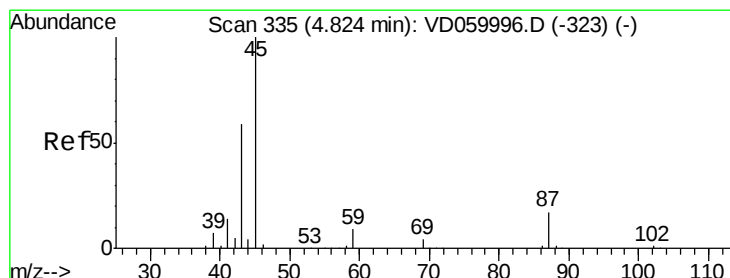
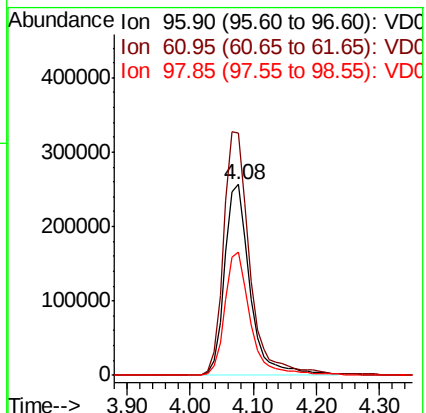
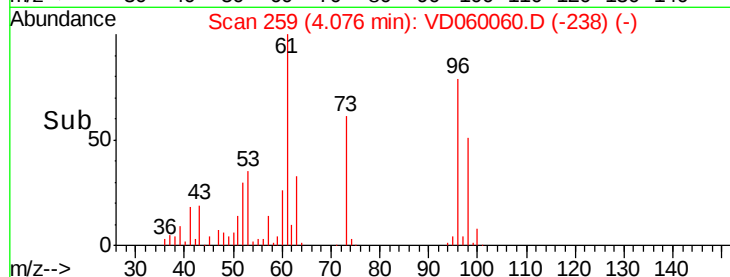
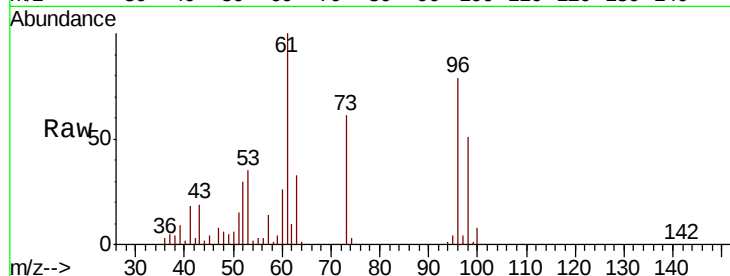
Tot Ion: 96 Resp: 717401

Ion Ratio Lower Upper

96 100

61 126.6 100.1 150.1

98 64.7 49.5 74.3



#22

Diisopropyl ether

Concen: 56.69 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion: 45 Resp: 2568185

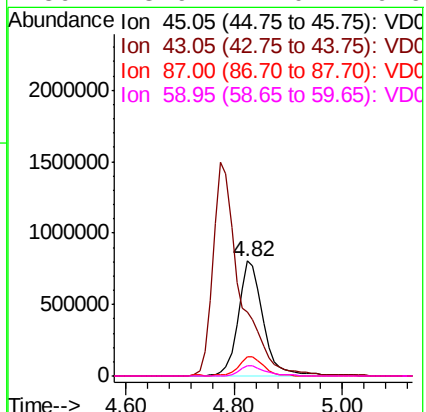
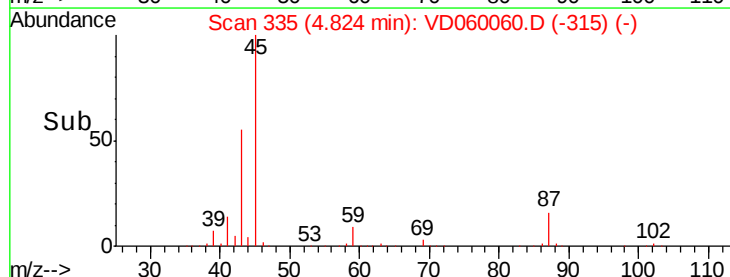
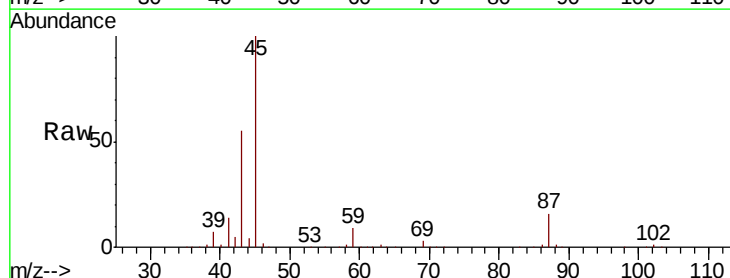
Ion Ratio Lower Upper

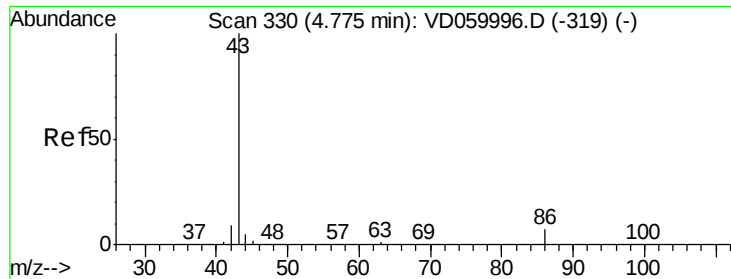
45 100

43 55.5 47.1 70.7

87 16.5 14.2 21.2

59 8.9 7.0 10.6

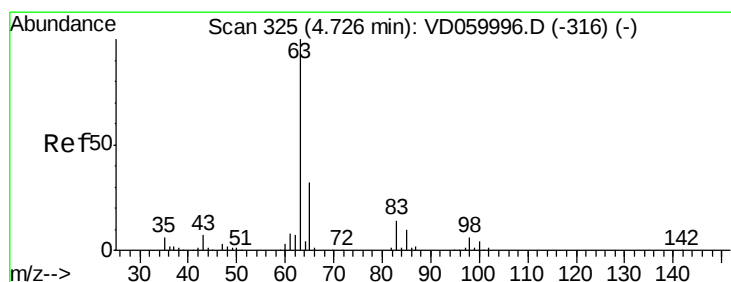
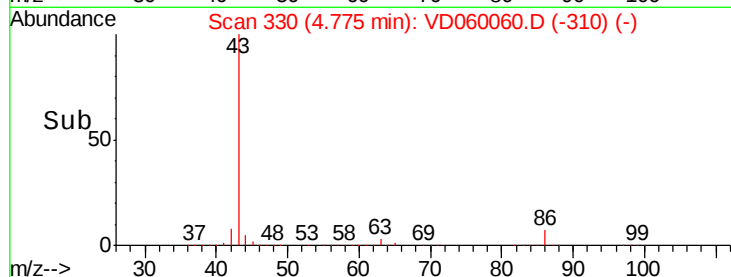
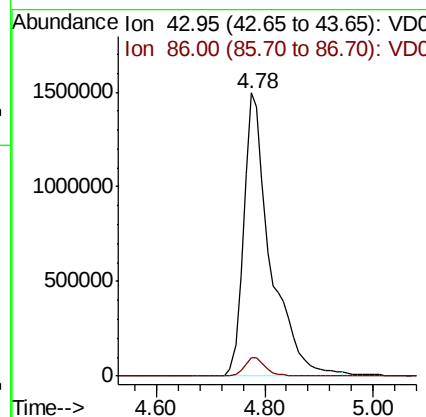
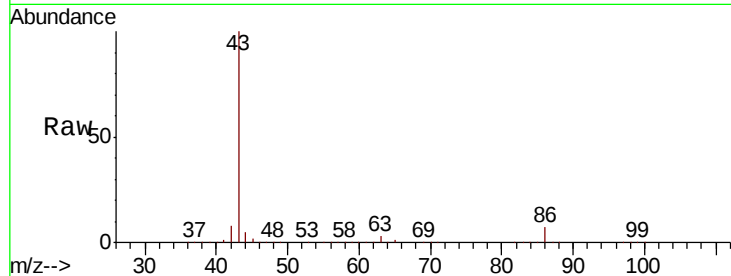




#23
 Vinyl Acetate
 Concen: 200.22 ug/l
 RT: 4.78 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

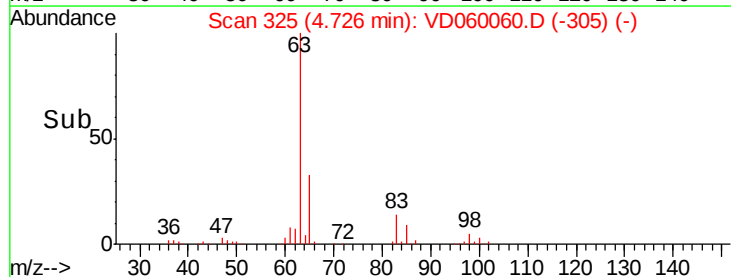
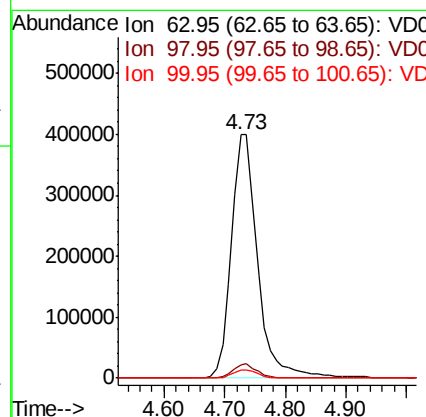
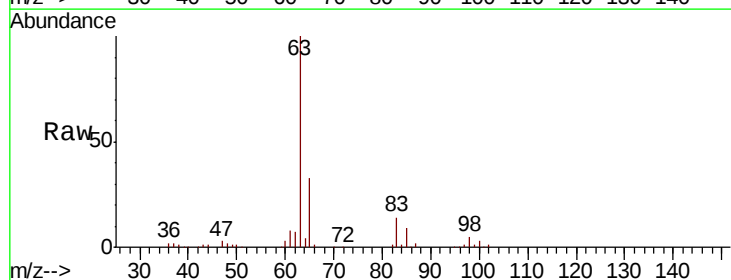
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

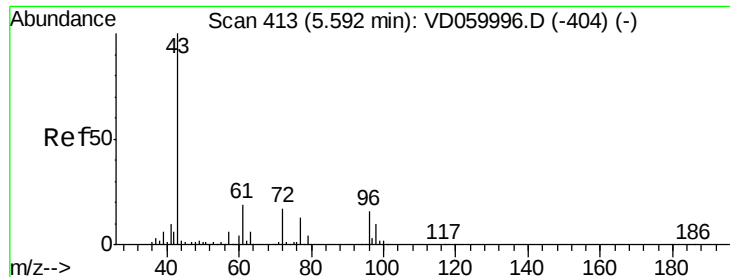
Tot Ion: 43 Resp: 5138286
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 59.27 ug/l
 RT: 4.73 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion: 63 Resp: 1204841
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.6
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 196.33 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

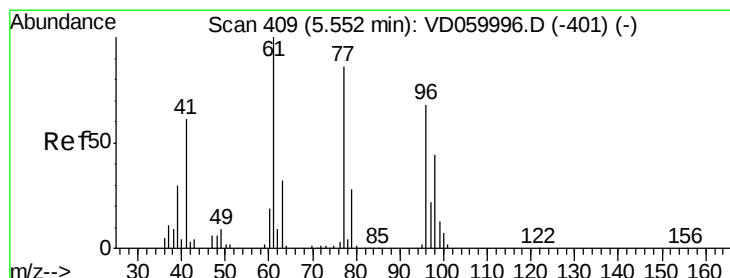
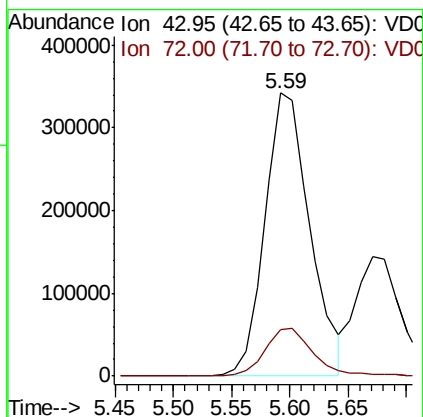
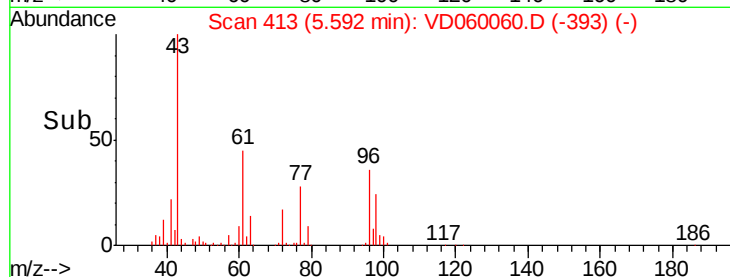
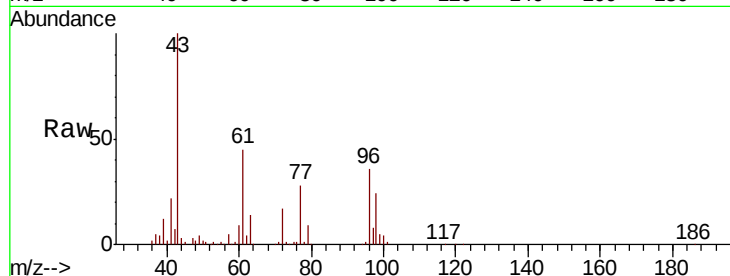
RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 912918

Ion Ratio Lower Upper

43 100

72 16.7 13.6 20.4



#26

2,2-Dichloropropane

Concen: 52.90 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060060.D

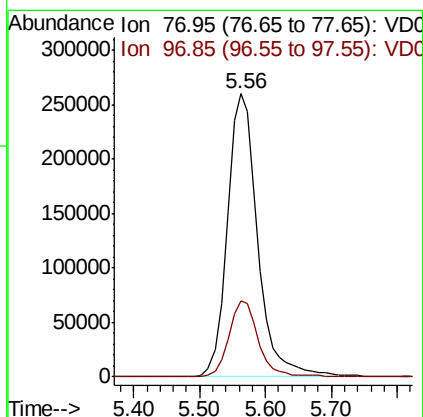
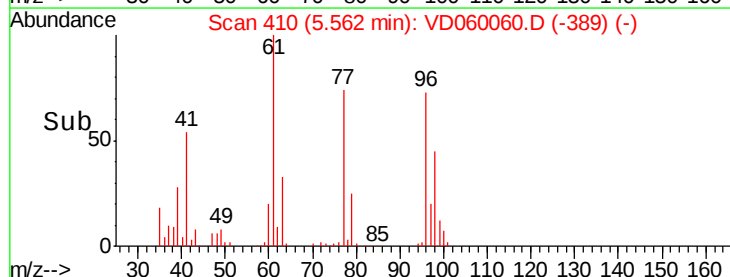
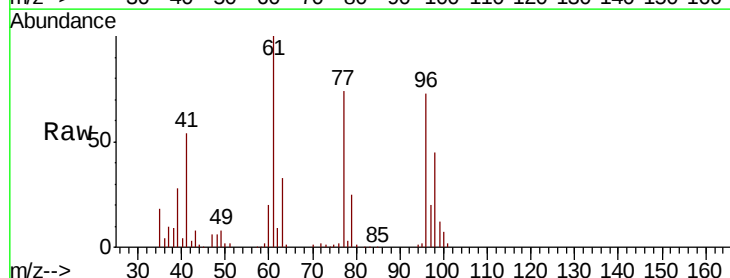
Acq: 20 Sep 2018 20:57

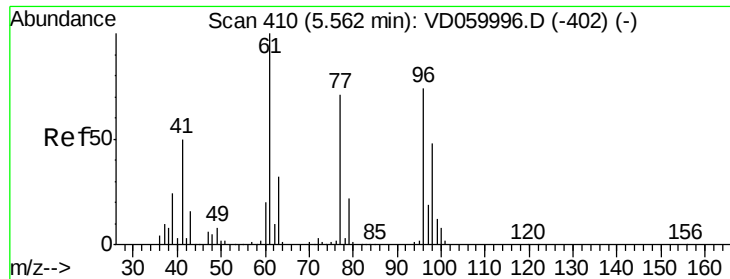
Tgt Ion: 77 Resp: 836116

Ion Ratio Lower Upper

77 100

97 26.7 12.7 38.1



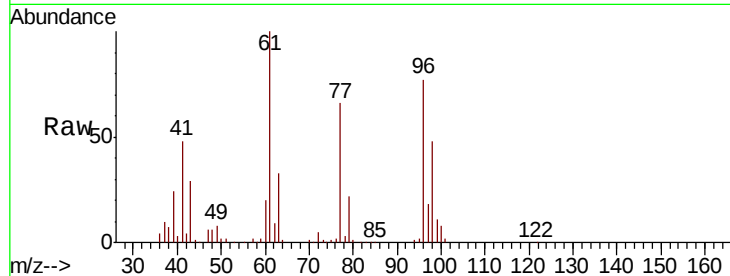


#27

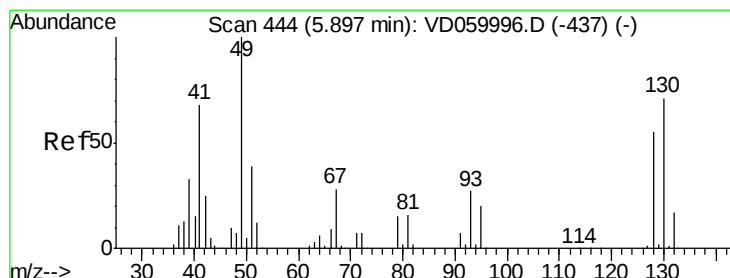
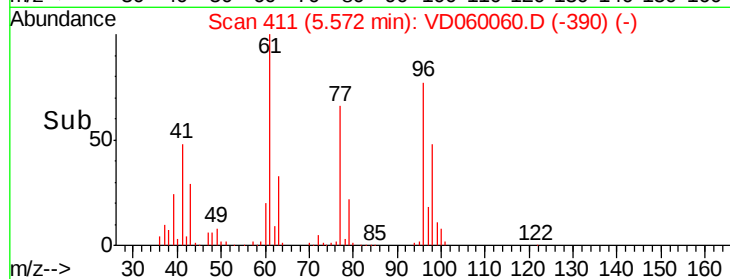
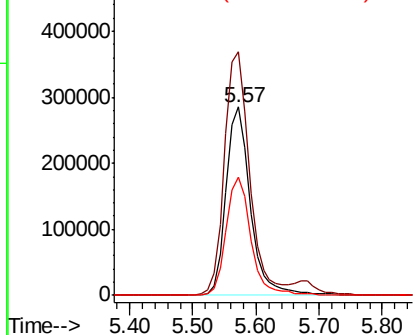
cis-1,2-Dichloroethene
 Concen: 59.07 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	269.6
98	62.7	0.0	128.4



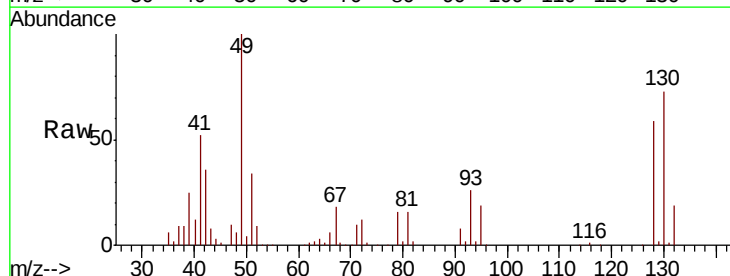
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



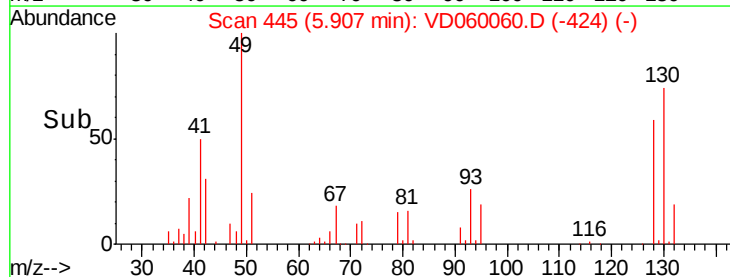
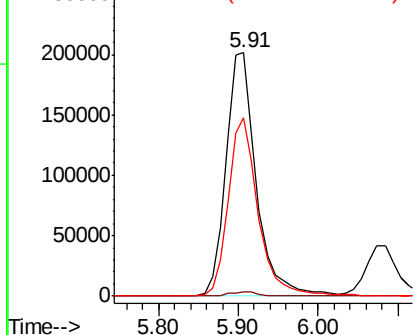
#28

Bromochloromethane
 Concen: 54.92 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	73.4	57.1	85.7



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





#29

Tetrahydrofuran

Concen: 204.04 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

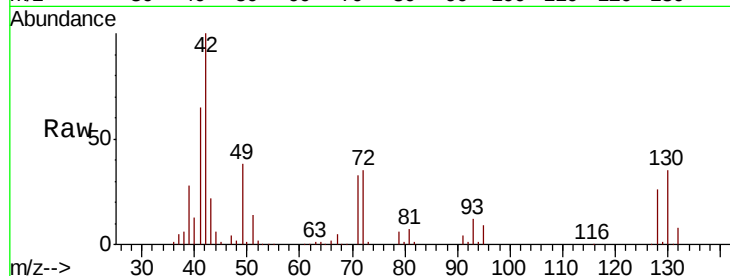
Tot Ion: 42 Resp: 508807

Ion Ratio Lower Upper

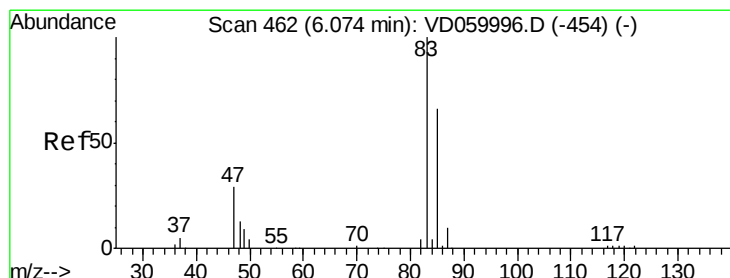
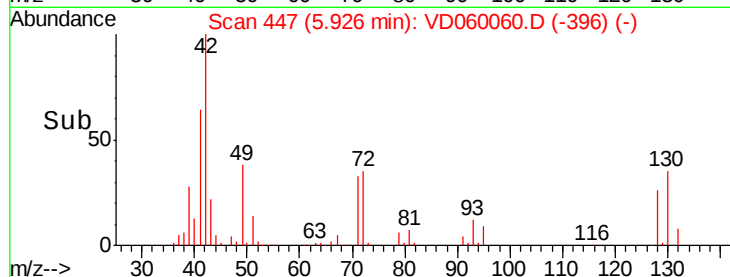
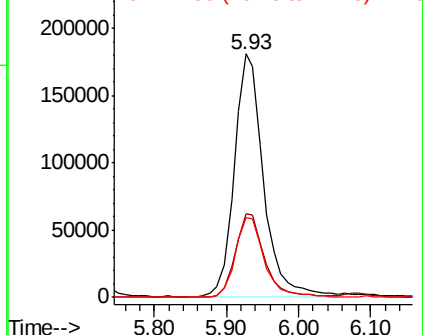
42 100

72 34.4 26.9 40.3

71 32.6 26.2 39.4



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



#30

Chloroform

Concen: 58.43 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060060.D

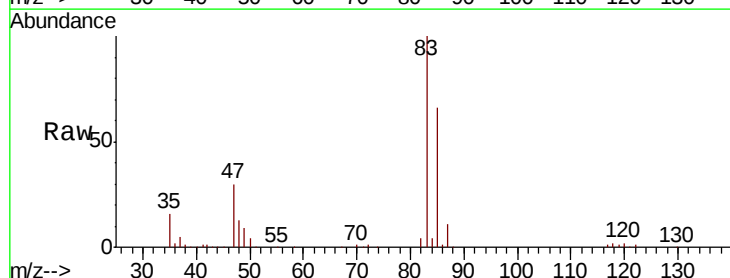
Acq: 20 Sep 2018 20:57

Tgt Ion: 83 Resp: 1204551

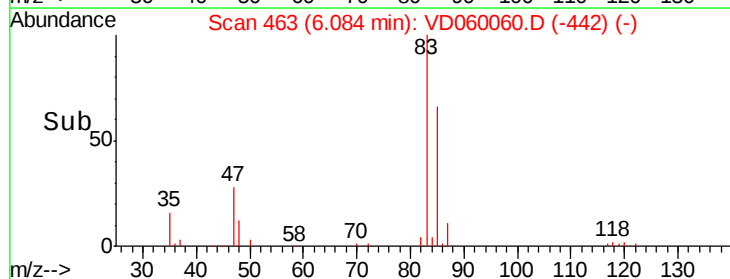
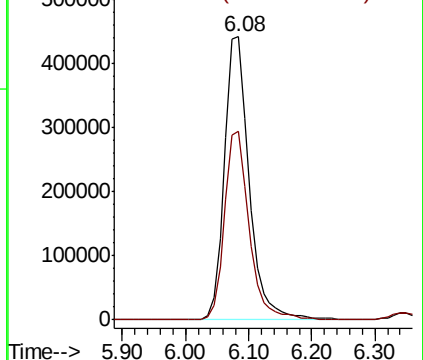
Ion Ratio Lower Upper

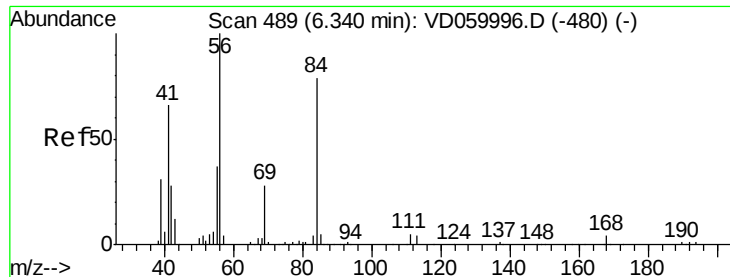
83 100

85 66.4 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

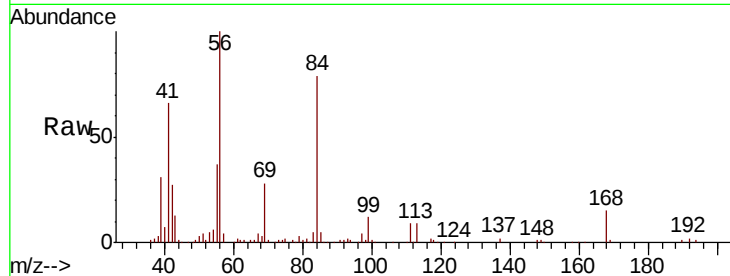




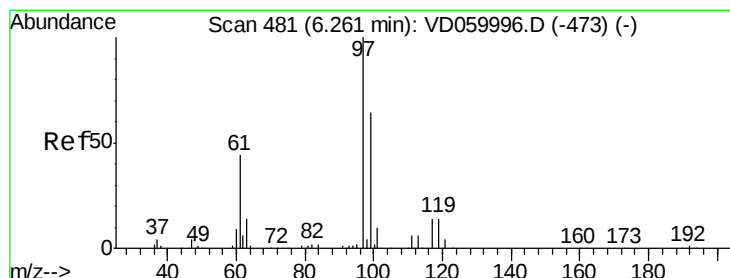
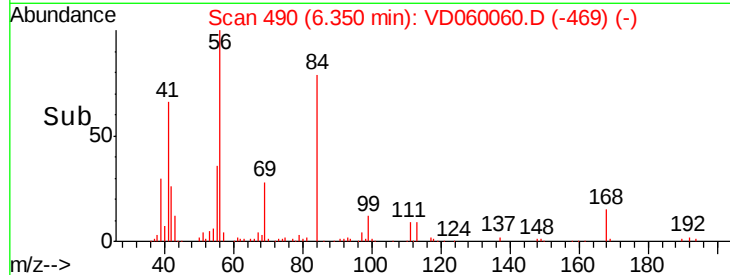
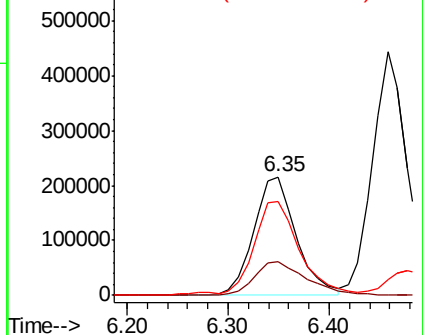
#31
Cyclohexane
Concen: 31.77 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 56 Resp: 629682
Ion Ratio Lower Upper
56 100
69 28.3 22.7 34.1
84 79.3 64.0 96.0

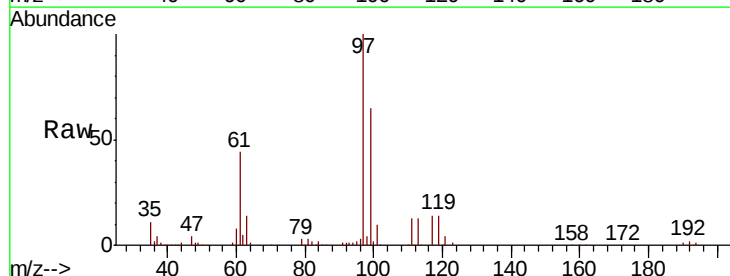


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

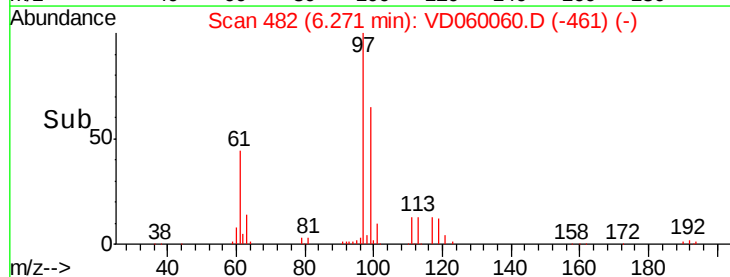
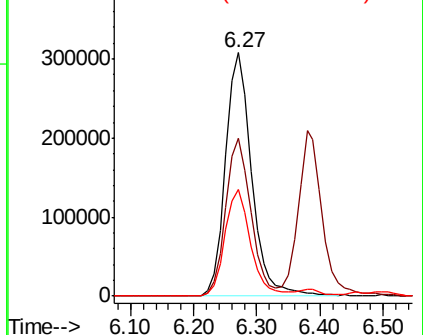


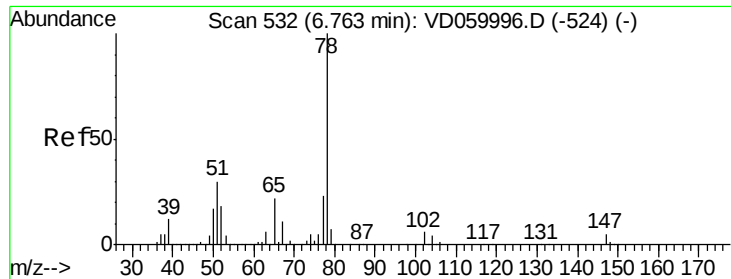
#32
1,1,1-Trichloroethane
Concen: 51.73 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 97 Resp: 884413
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 43.8 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.73 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

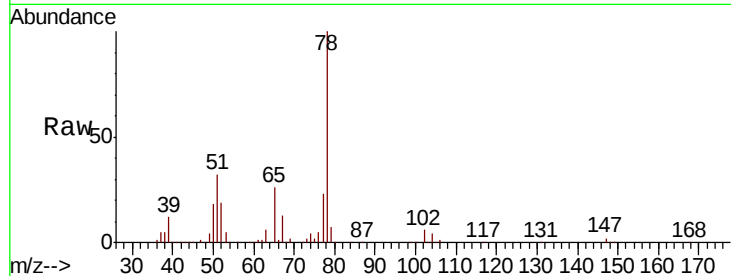
RA-091918-S-NW-061MS

Tot Ion: 65 Resp: 467663

Ion Ratio Lower Upper

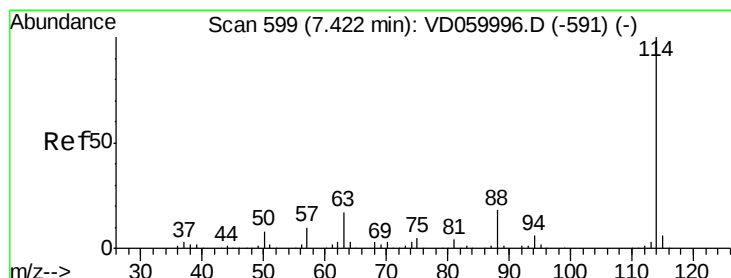
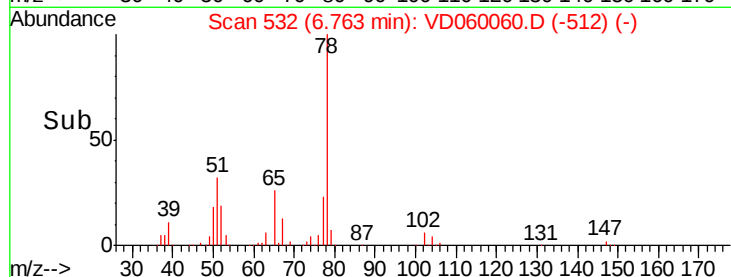
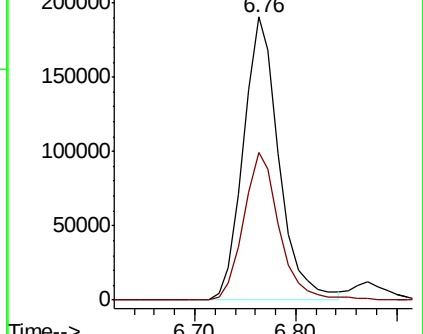
65 100

67 52.1 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

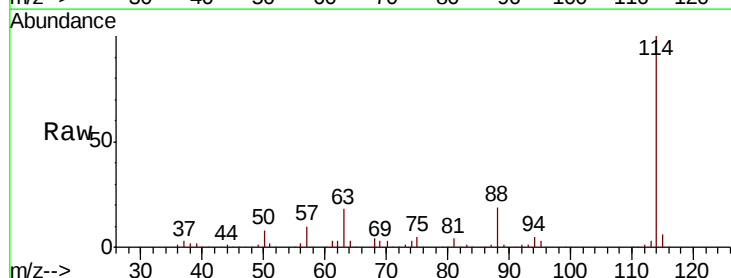
Tgt Ion: 114 Resp: 1641827

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

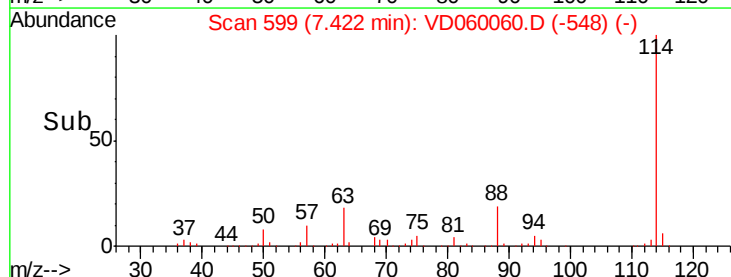
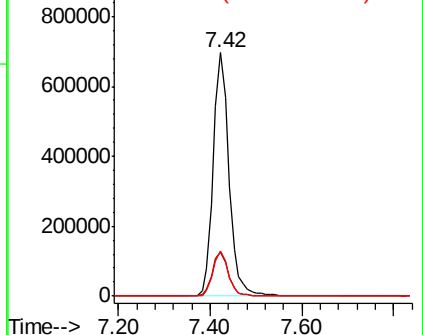
88 18.6 0.0 35.8

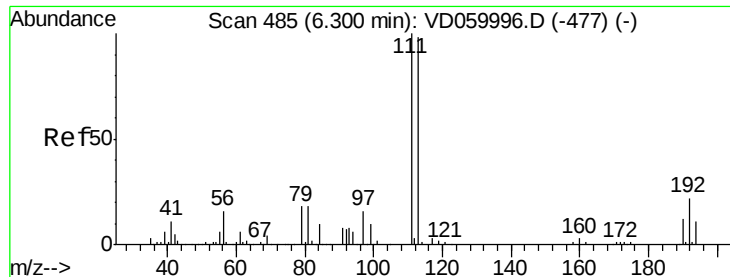


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

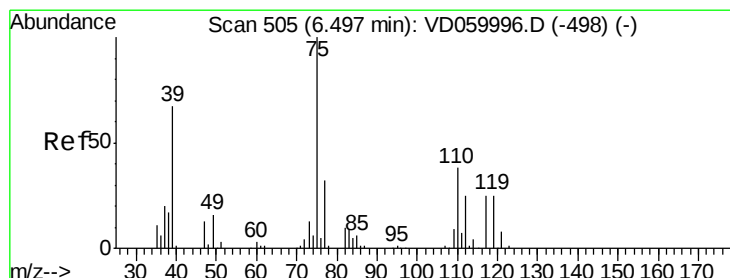
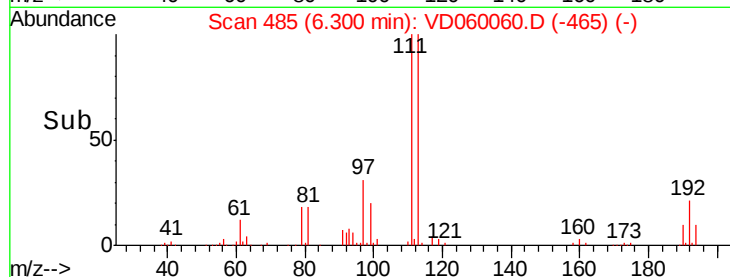
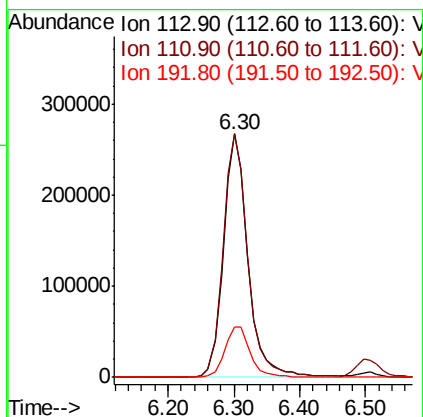
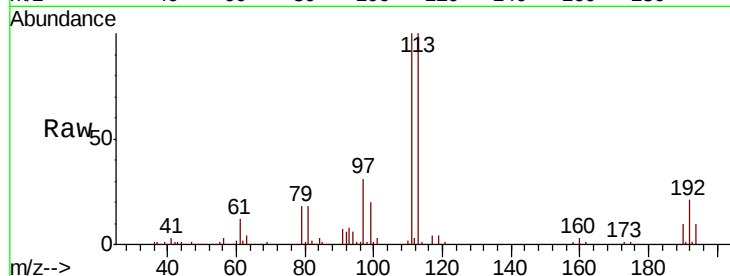




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

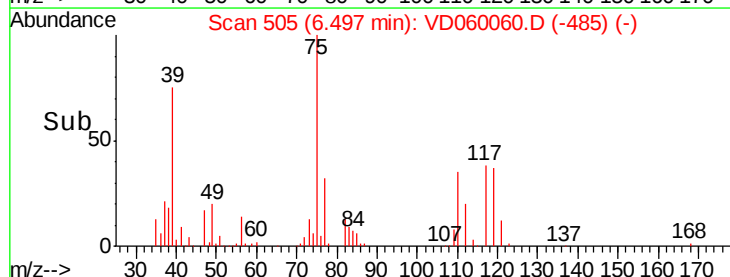
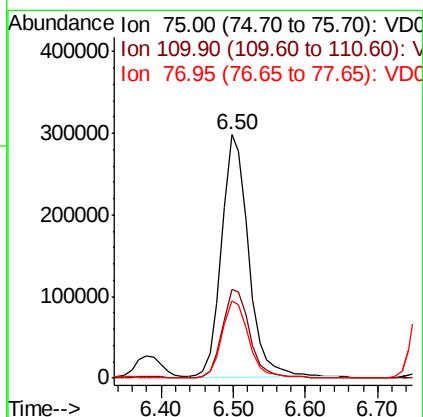
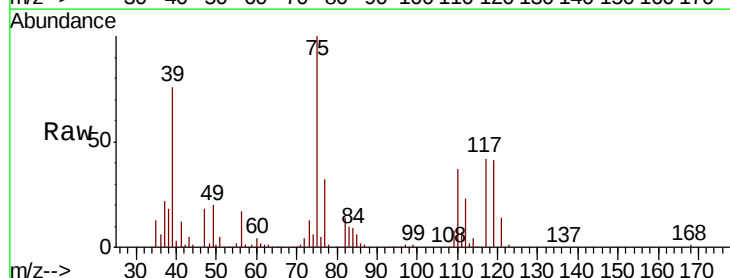
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

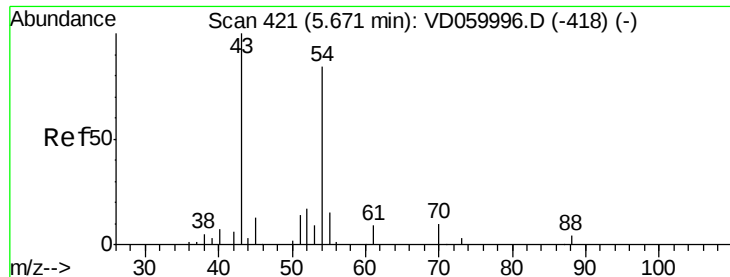
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	81.3	121.9
192	20.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 47.23 ug/l
 RT: 6.50 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.9	56.9
77	31.7	25.3	37.9

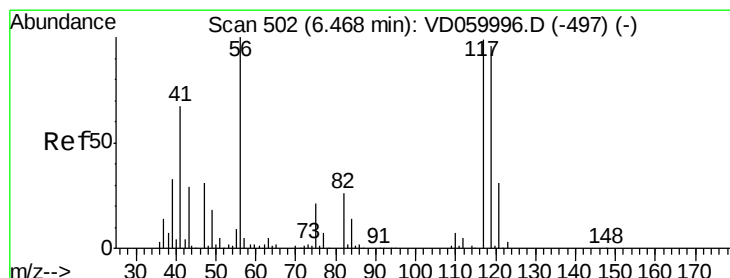
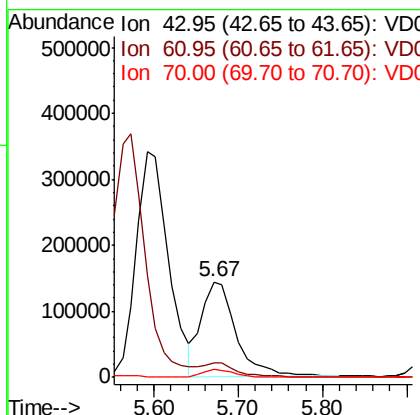
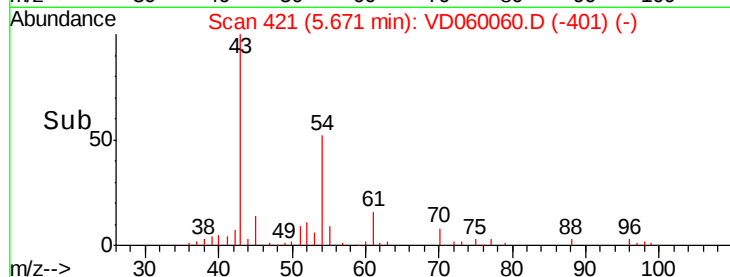
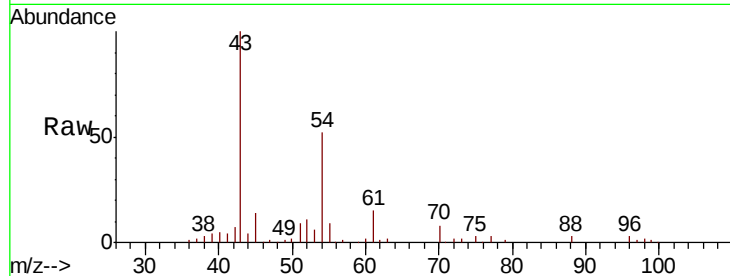




#37
Ethyl Acetate
Concen: 36.90 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

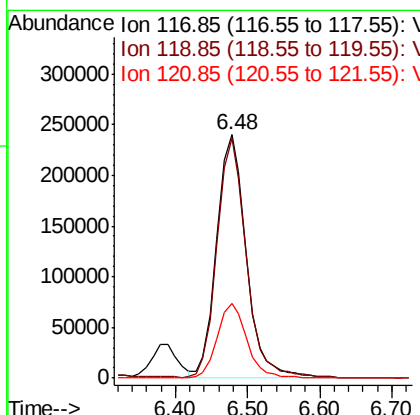
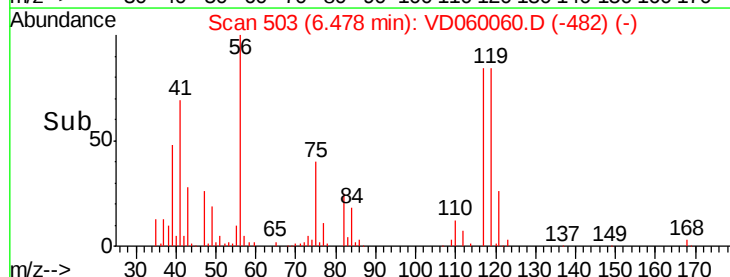
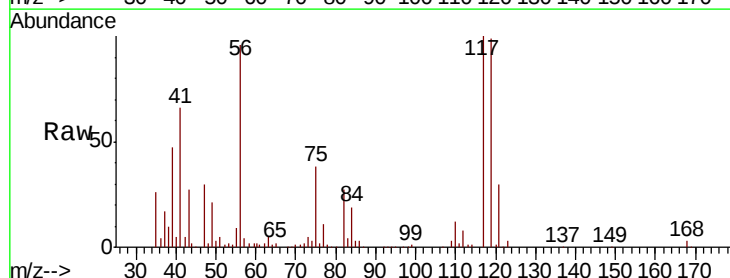
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

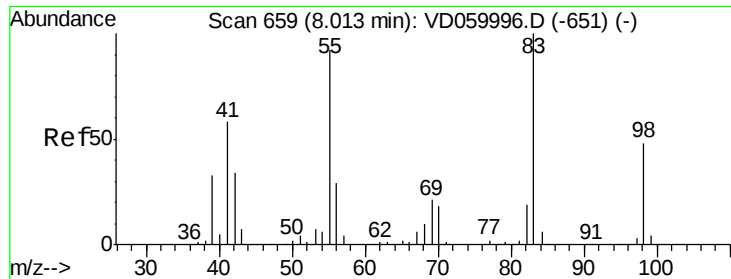
Tot Ion: 43 Resp: 413869
Ion Ratio Lower Upper
43 100
61 15.5 10.2 15.2#
70 7.9 6.1 9.1



#38
Carbon Tetrachloride
Concen: 44.18 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 117 Resp: 672553
Ion Ratio Lower Upper
117 100
119 98.6 76.7 115.1
121 30.5 24.9 37.3

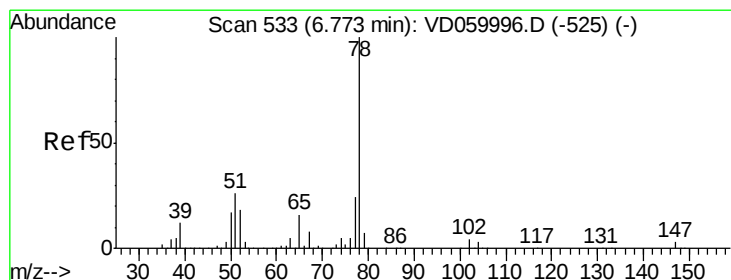
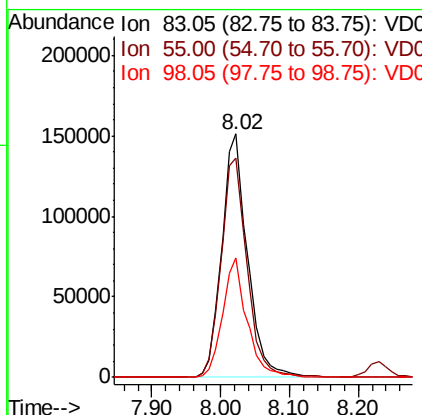
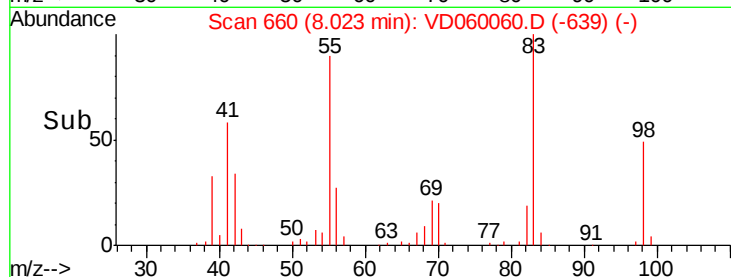
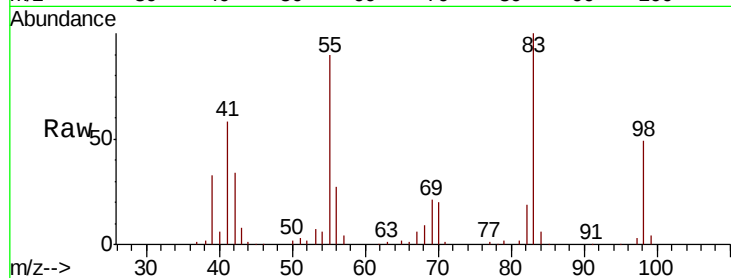




#39
Methylcyclohexane
Concen: 21.18 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

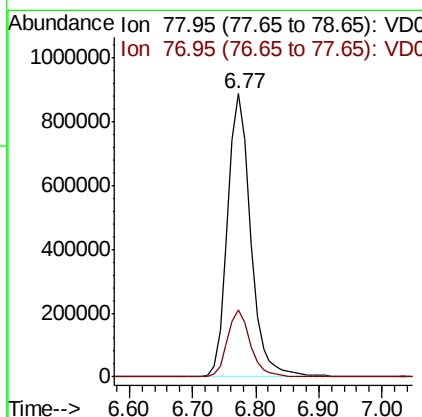
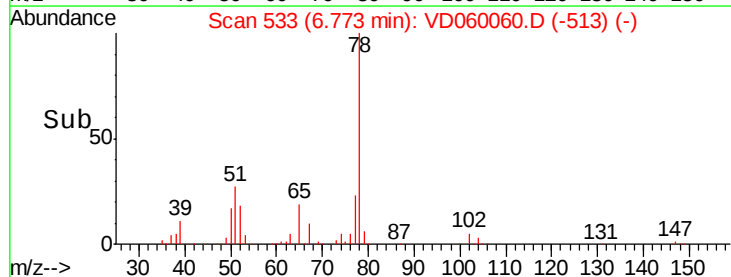
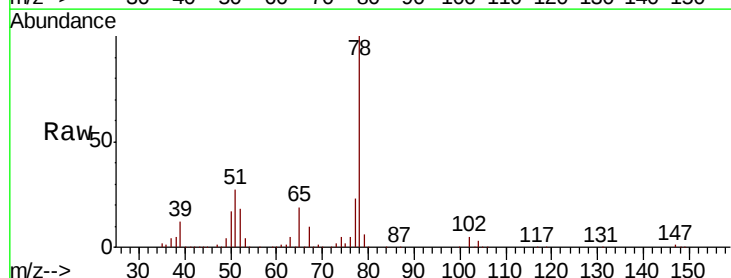
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

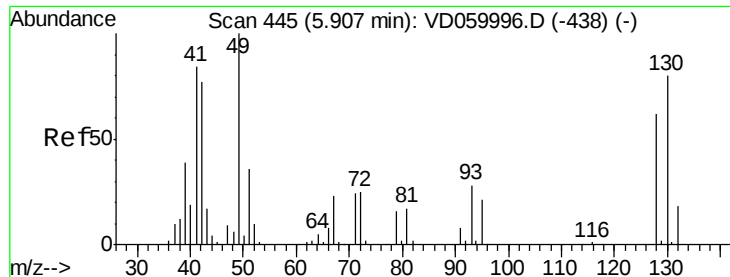
Tot Ion: 83 Resp: 390680
Ion Ratio Lower Upper
83 100
55 90.0 73.8 110.6
98 49.1 38.1 57.1



#40
Benzene
Concen: 54.33 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 78 Resp: 2258210
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 89.68 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

Tot Ion: 41 Resp: 526786

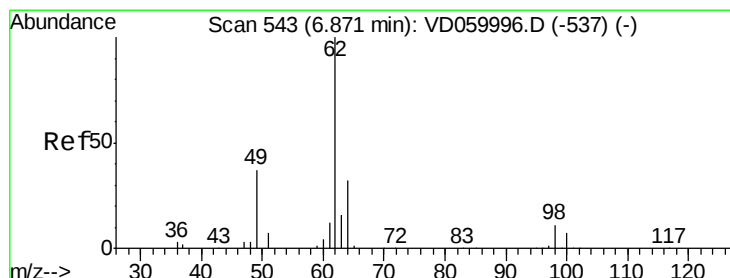
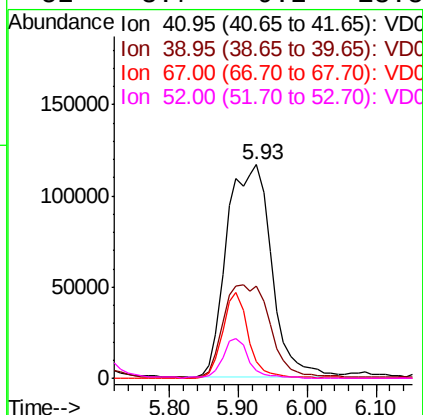
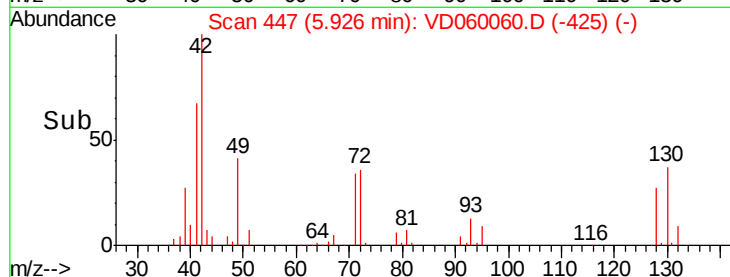
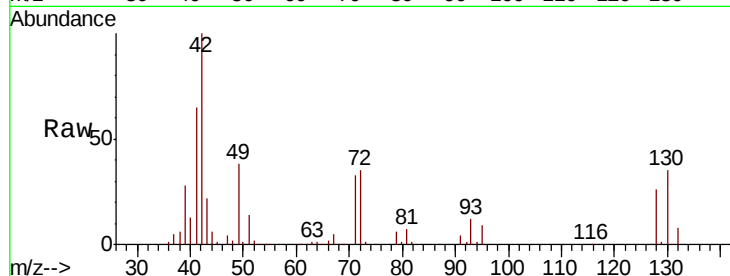
Ion Ratio Lower Upper

41 100

39 43.4 37.5 56.3

67 7.8 21.5 32.3#

52 3.7 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 48.73 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060060.D

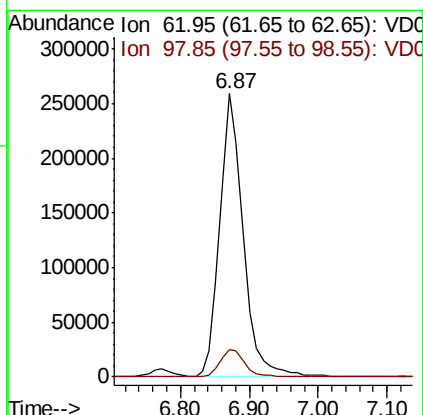
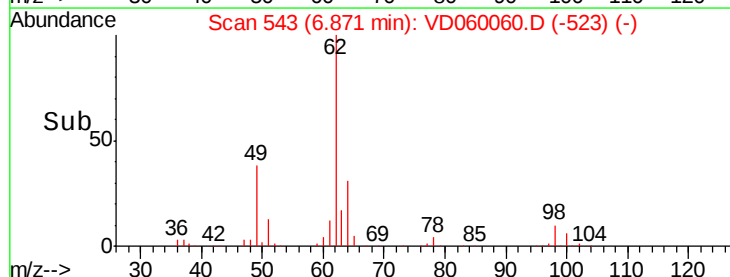
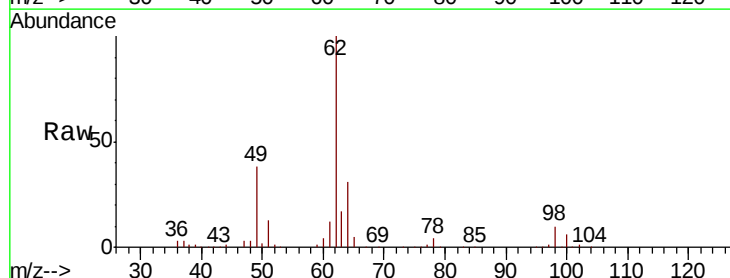
Acq: 20 Sep 2018 20:57

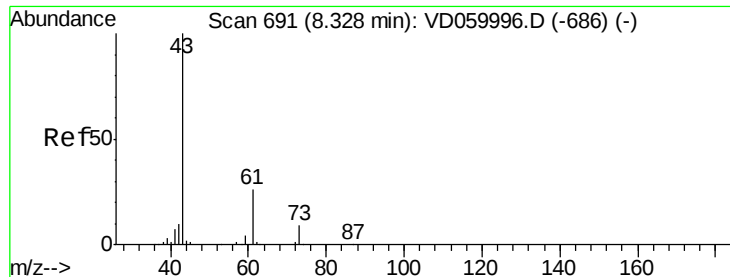
Tgt Ion: 62 Resp: 608266

Ion Ratio Lower Upper

62 100

98 9.7 0.0 21.4



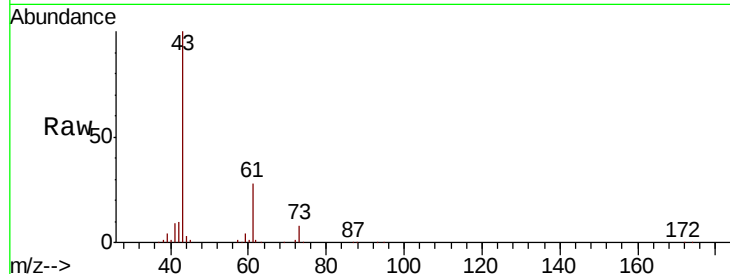


#43

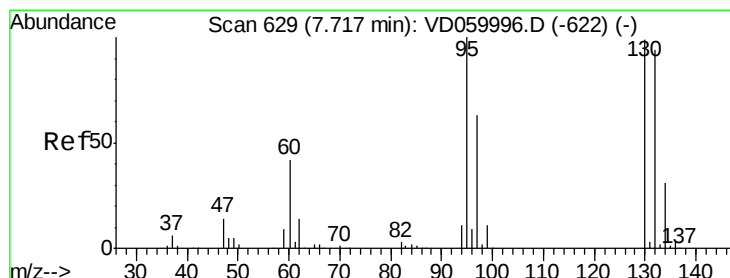
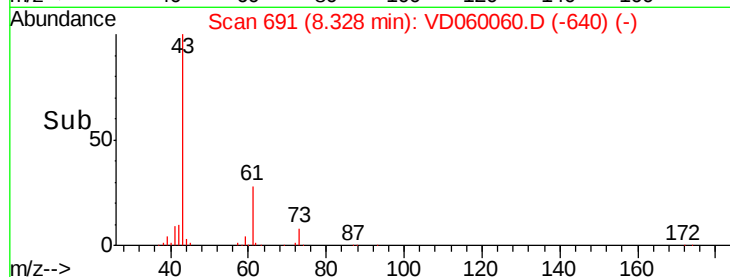
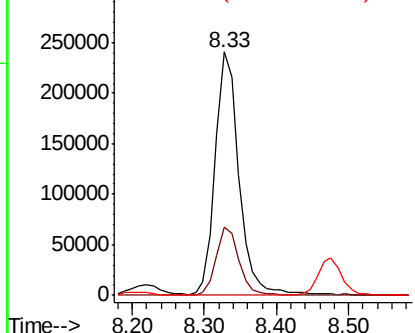
Isopropyl Acetate
 Concen: 36.08 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 541732
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.0 31.6
 87 0.3 0.2 0.2#



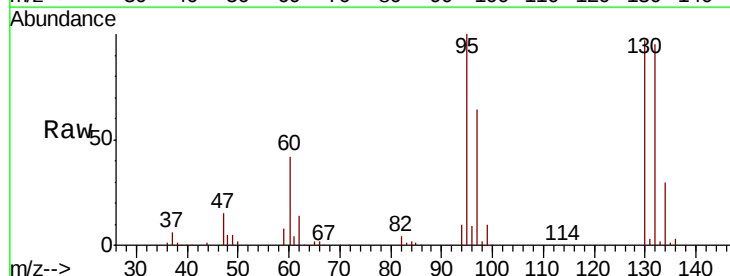
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



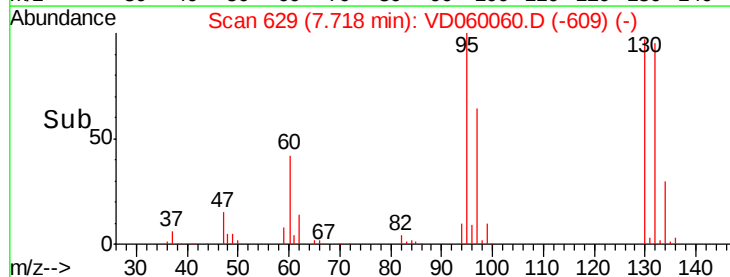
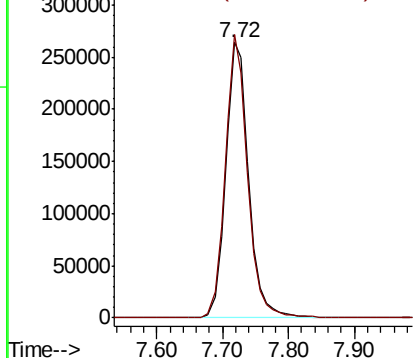
#44

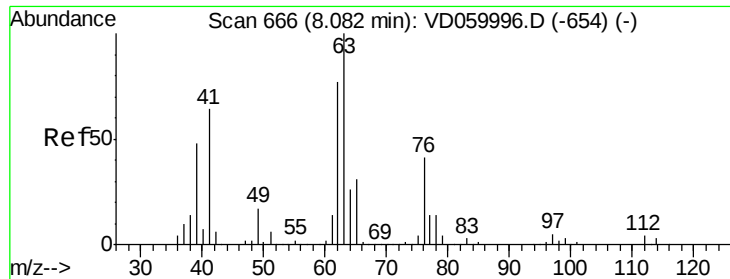
Trichloroethene
 Concen: 49.97 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion: 130 Resp: 641776
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 52.69 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

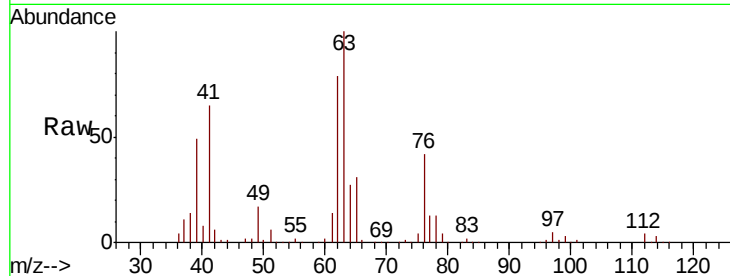
RA-091918-S-NW-061MS

Tot Ion: 63 Resp: 585621

Ion Ratio Lower Upper

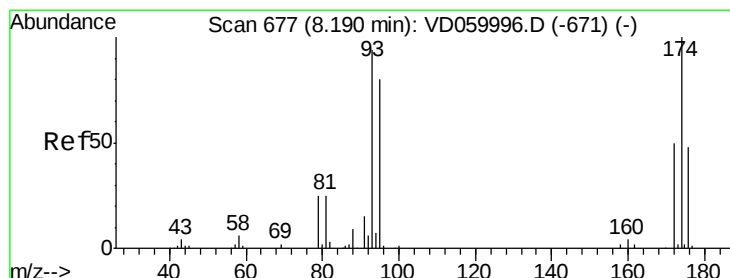
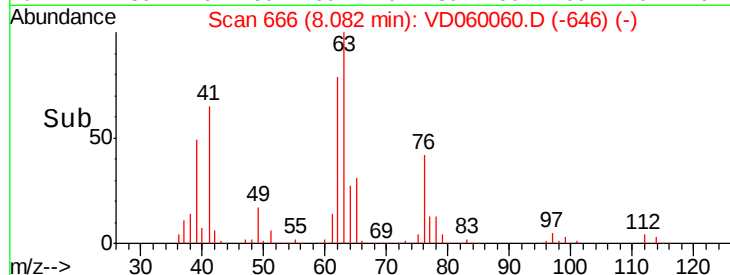
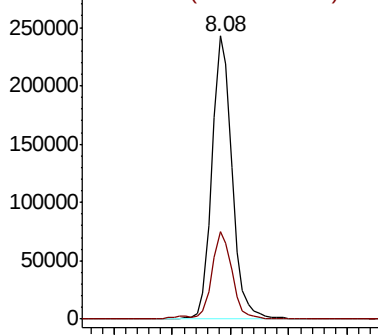
63 100

65 30.8 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 47.74 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

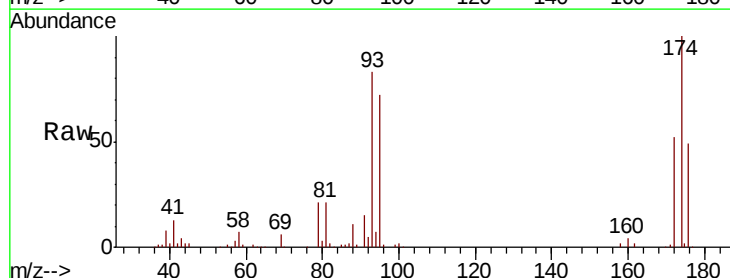
Tgt Ion: 93 Resp: 346208

Ion Ratio Lower Upper

93 100

95 86.6 68.0 102.0

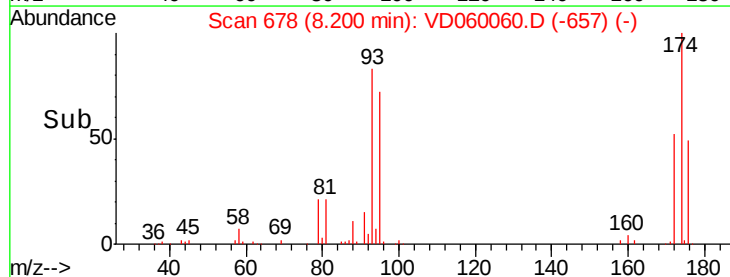
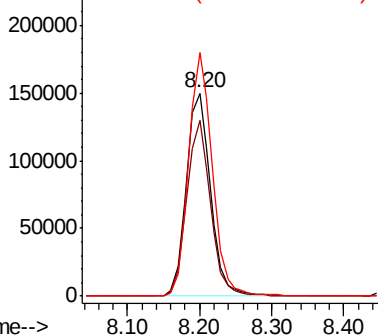
174 119.9 85.4 128.2

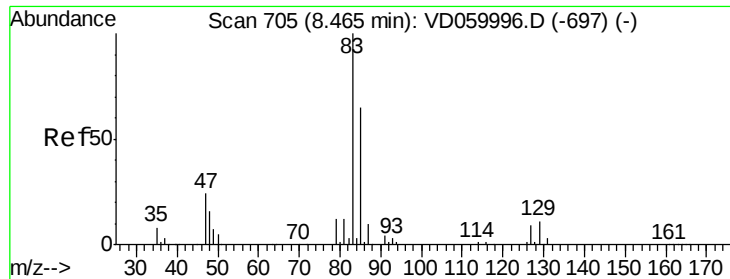


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.40 ug/l

RT: 8.48 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

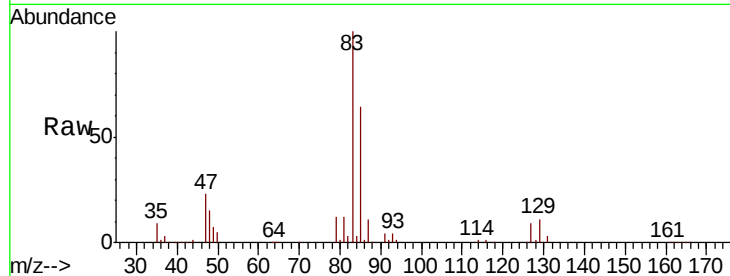
Tot Ion: 83 Resp: 788035

Ion Ratio Lower Upper

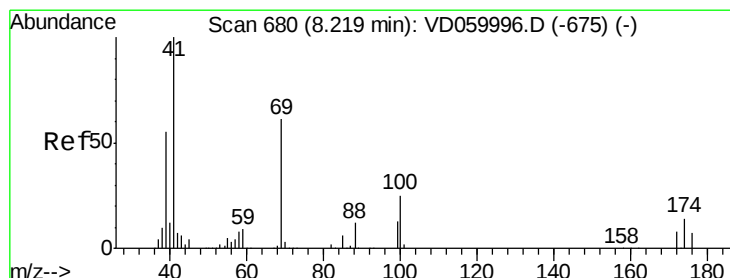
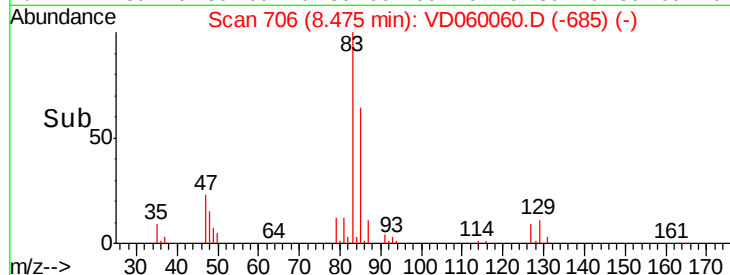
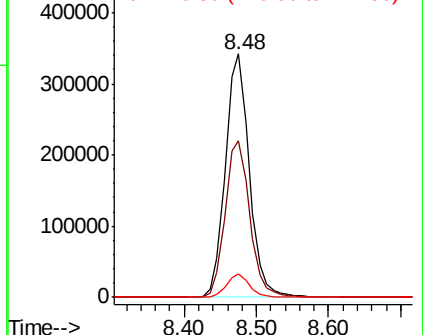
83 100

85 64.4 51.9 77.9

127 9.5 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 44.81 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

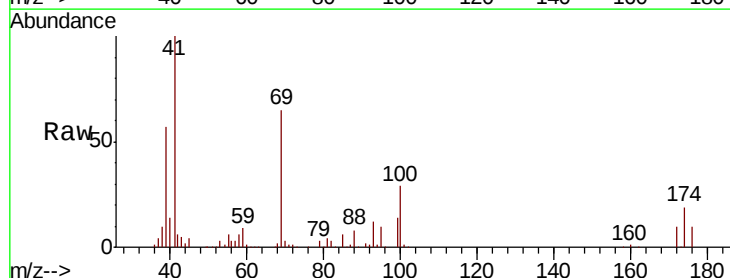
Tgt Ion: 41 Resp: 374735

Ion Ratio Lower Upper

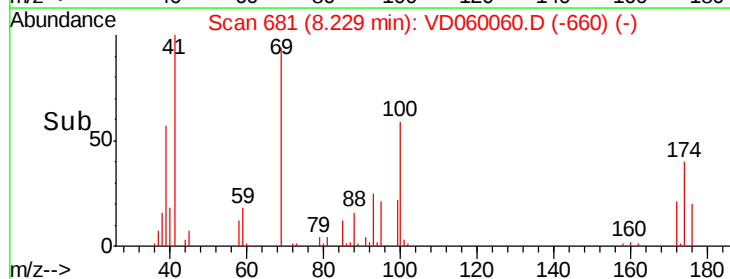
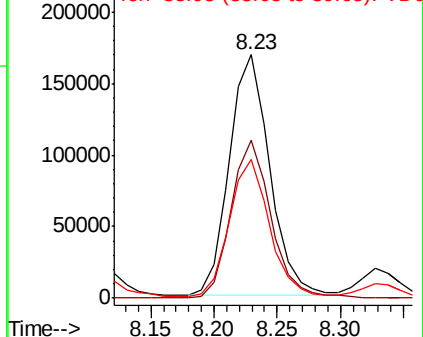
41 100

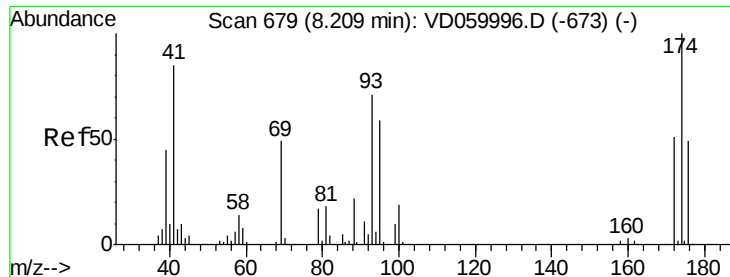
69 64.6 48.3 72.5

39 57.2 44.1 66.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

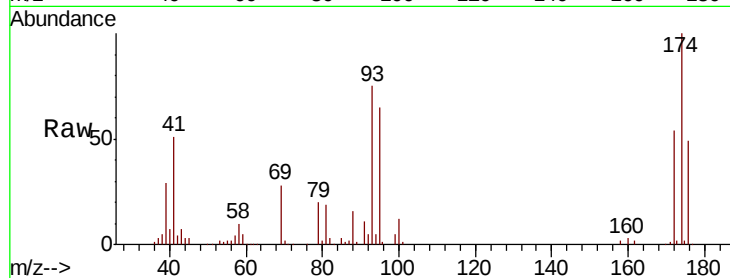




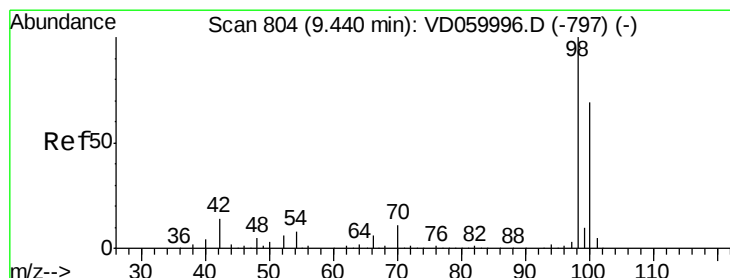
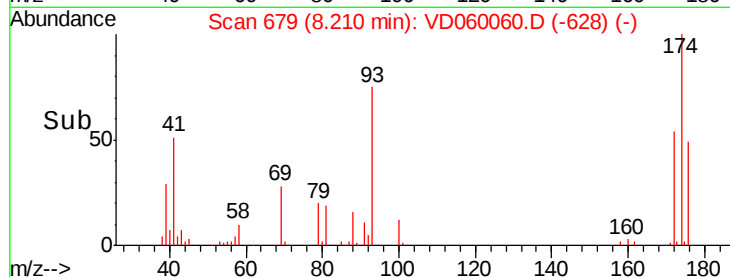
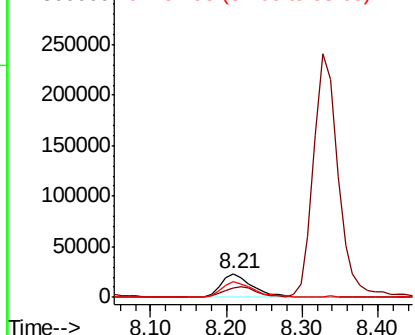
#49
1,4-Dioxane
Concen: 809.94 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 88 Resp: 67278
Ion Ratio Lower Upper
88 100
43 41.7 36.2 54.2
58 64.4 51.0 76.6

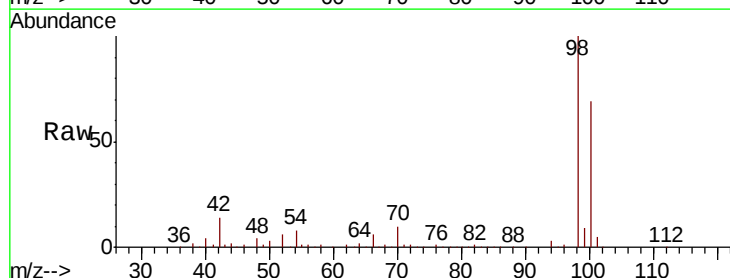


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

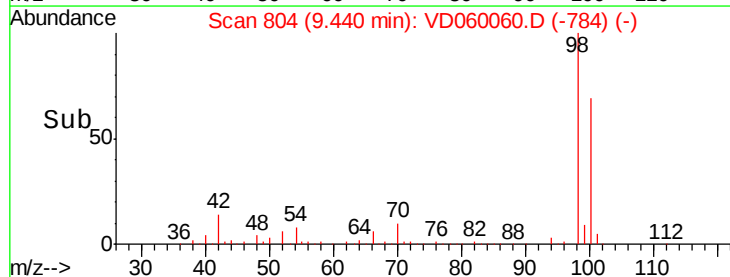
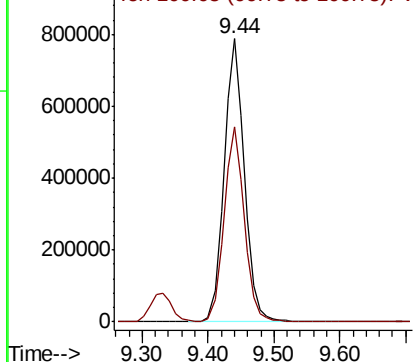


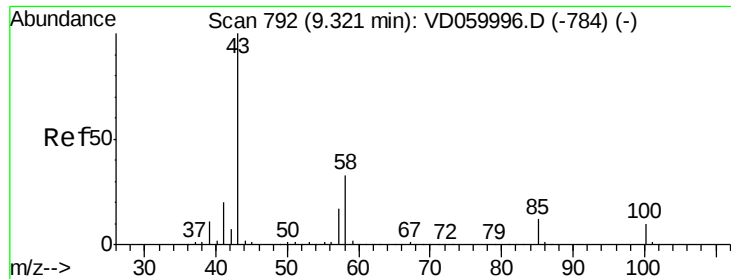
#50
Toluene-d8
Concen: 809.94 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 98 Resp: 1690219
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 177.08 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

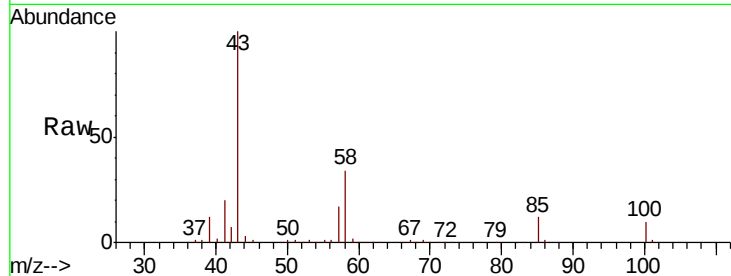
RA-091918-S-NW-061MS

Tot Ion: 43 Resp: 1831780

Ion Ratio Lower Upper

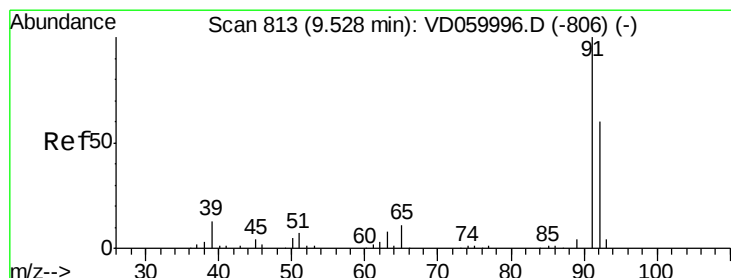
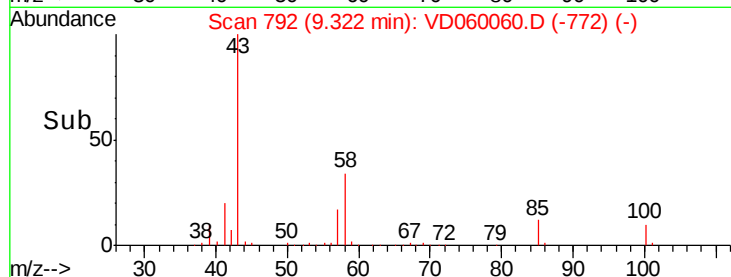
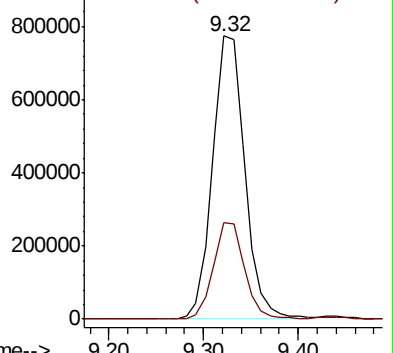
43 100

58 33.9 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.15 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060060.D

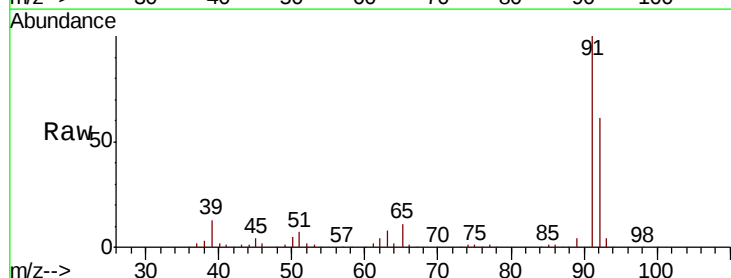
Acq: 20 Sep 2018 20:57

Tgt Ion: 92 Resp: 1256359

Ion Ratio Lower Upper

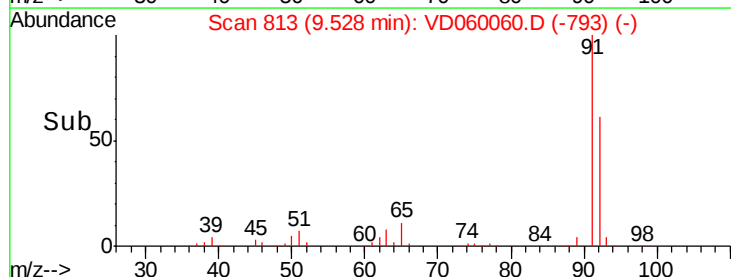
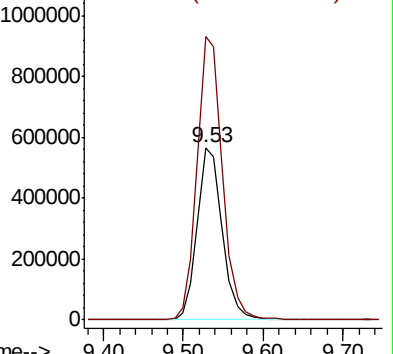
92 100

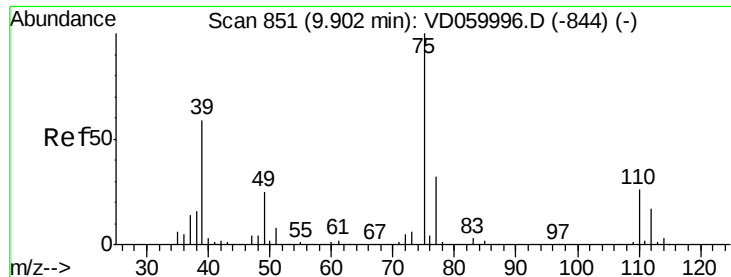
91 164.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 45.98 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

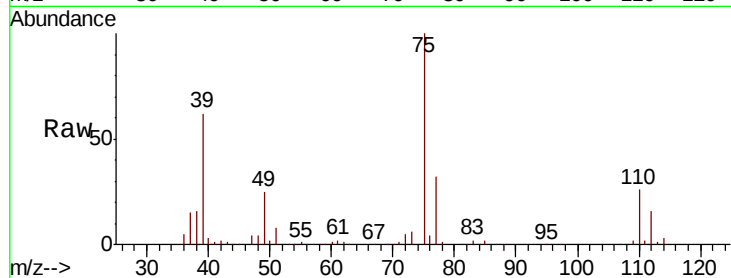
RA-091918-S-NW-061MS

Tot Ion: 75 Resp: 670563

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

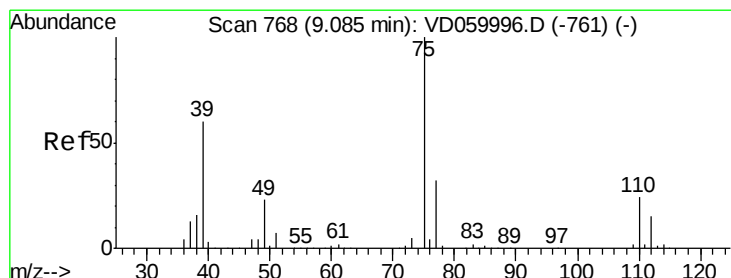
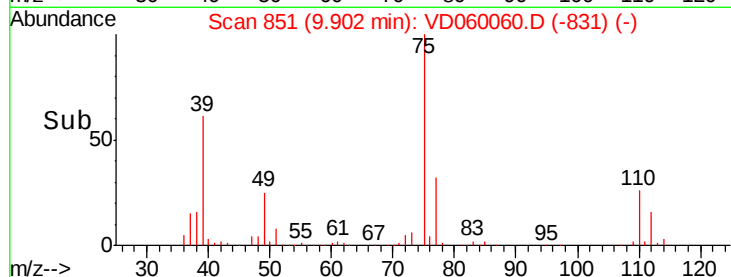
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.80 ug/l

RT: 9.09 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

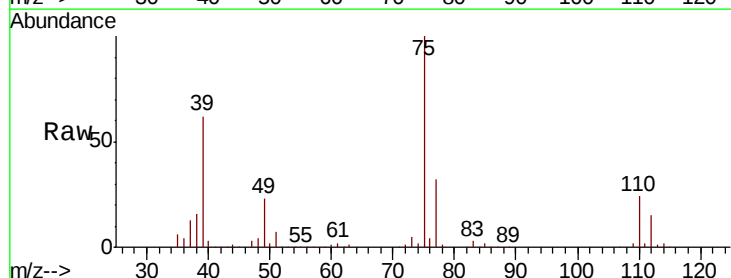
Tgt Ion: 75 Resp: 850219

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

39 61.7 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

500000

400000

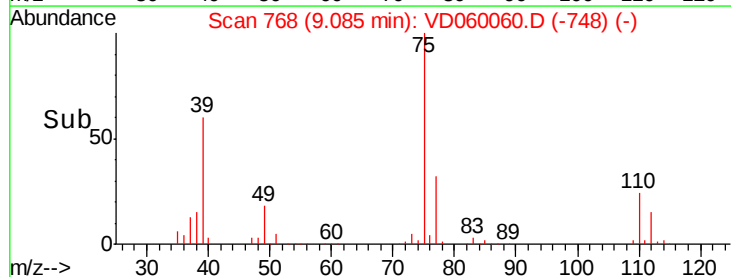
300000

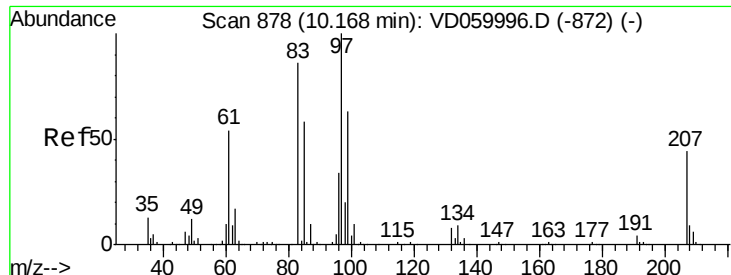
200000

100000

0

Time-->

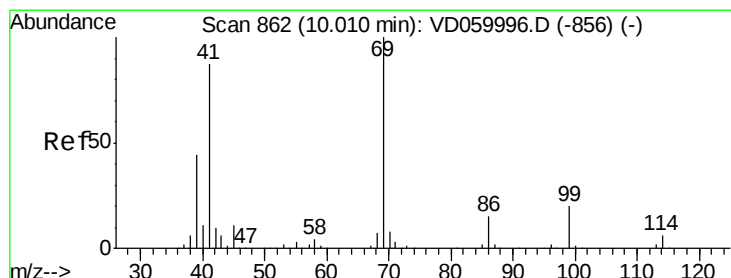
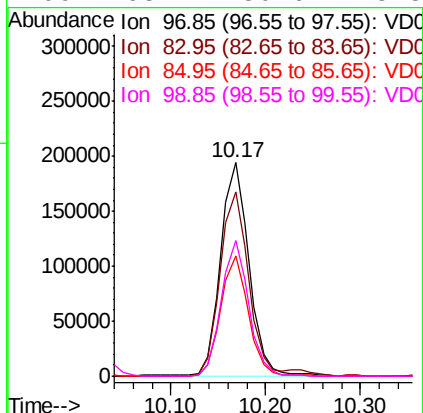
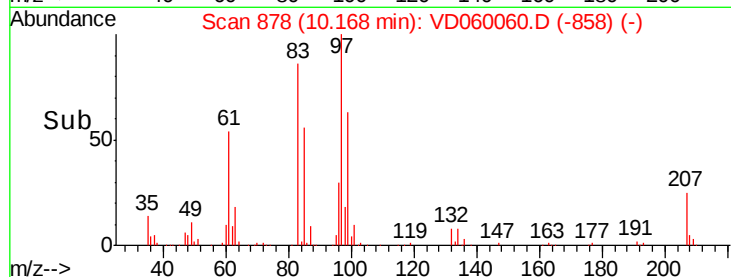
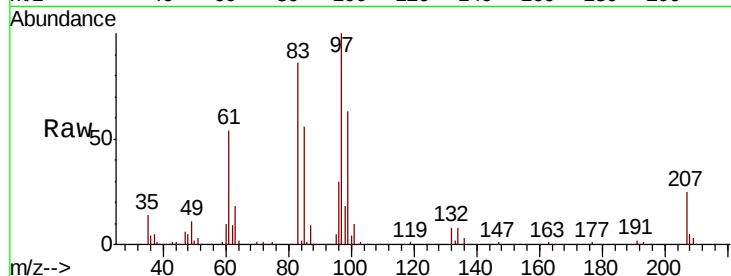




#55
 1,1,2-Trichloroethane
 Concen: 43.32 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

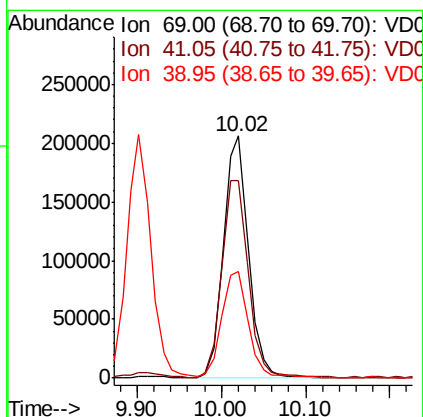
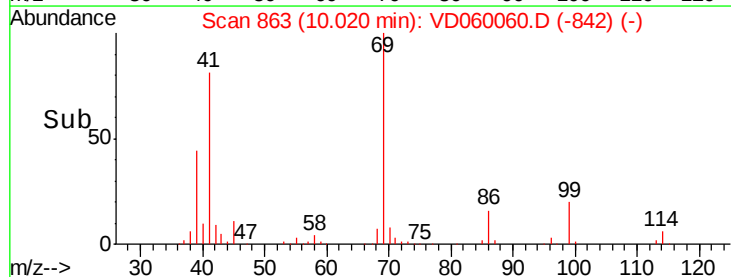
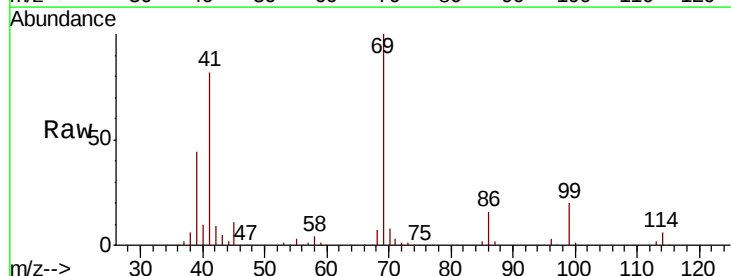
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

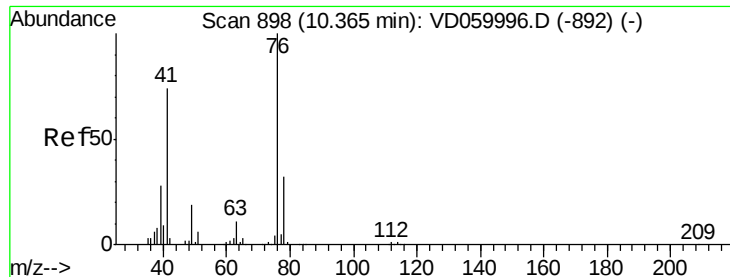
Tot Ion:	97	Resp:	400750
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.1	103.7
85	56.3	46.2	69.4
99	63.4	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 41.30 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:	69	Resp:	423746
Ion	Ratio	Lower	Upper
69	100		
41	81.6	70.1	105.1
39	43.9	36.5	54.7





#57

1,3-Dichloropropane

Concen: 47.53 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

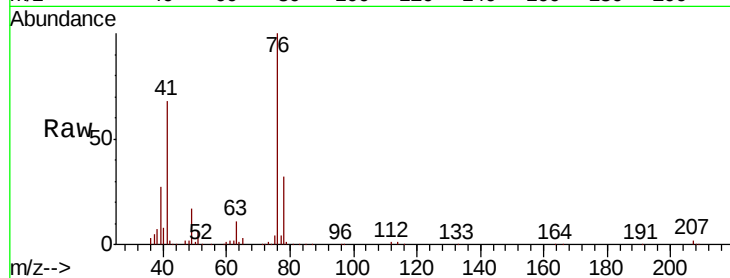
RA-091918-S-NW-061MS

Tot Ion: 76 Resp: 648988

Ion Ratio Lower Upper

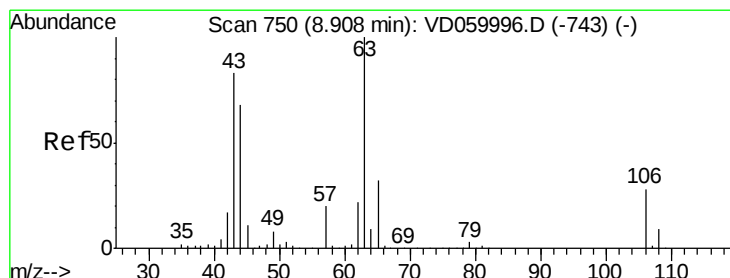
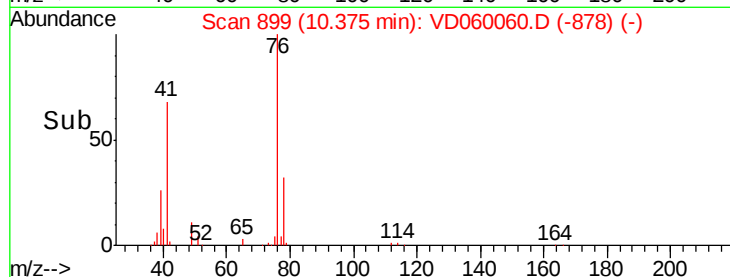
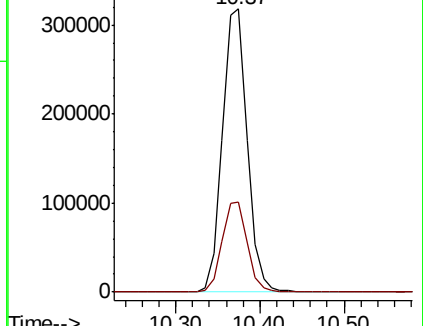
76 100

78 31.8 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 235.04 ug/l

RT: 8.91 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD060060.D

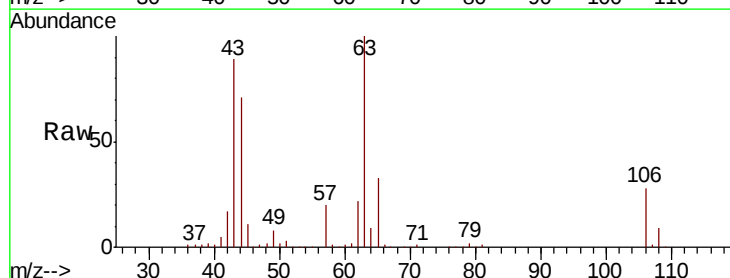
Acq: 20 Sep 2018 20:57

Tgt Ion: 63 Resp: 1164582

Ion Ratio Lower Upper

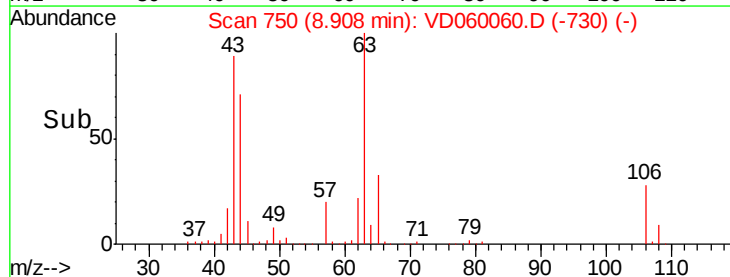
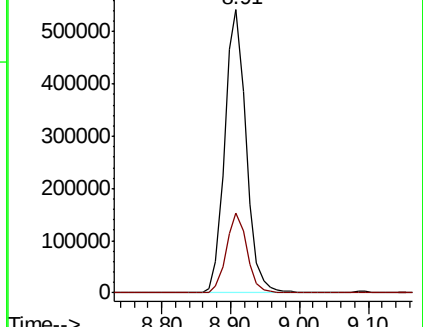
63 100

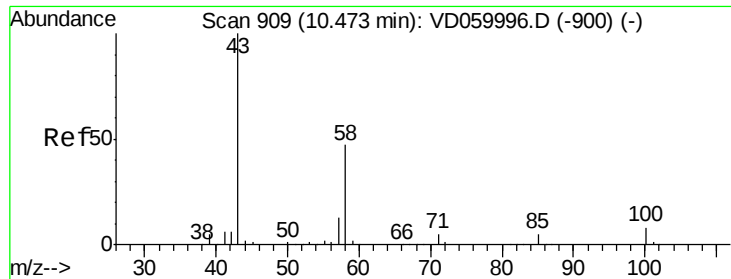
106 28.1 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

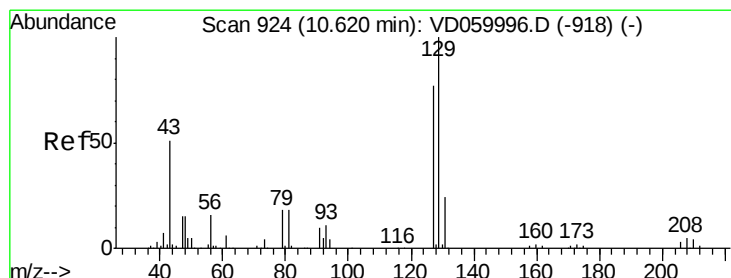
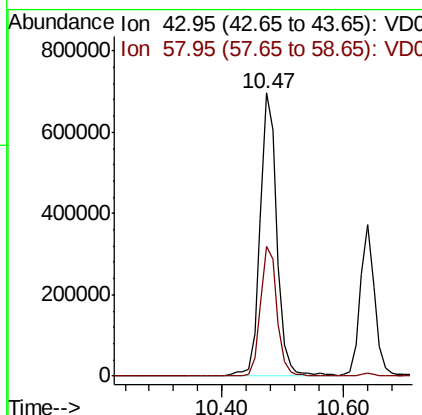
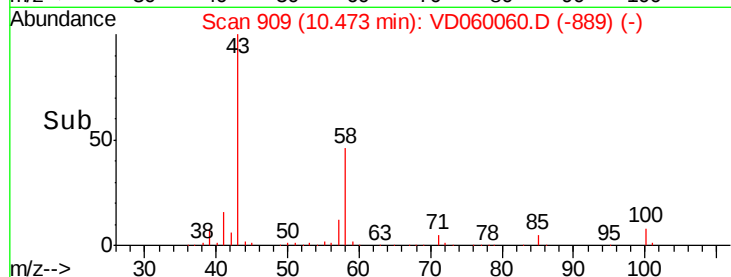
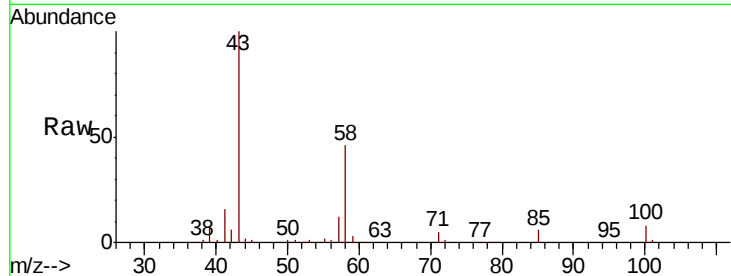




#59
2-Hexanone
Concen: 180.26 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

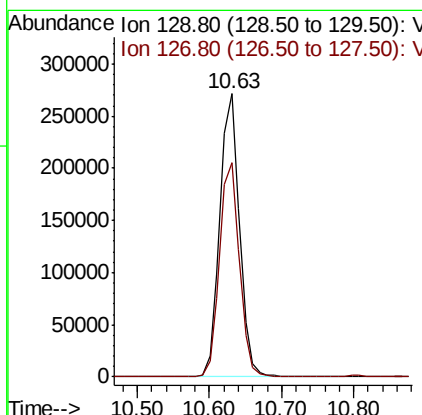
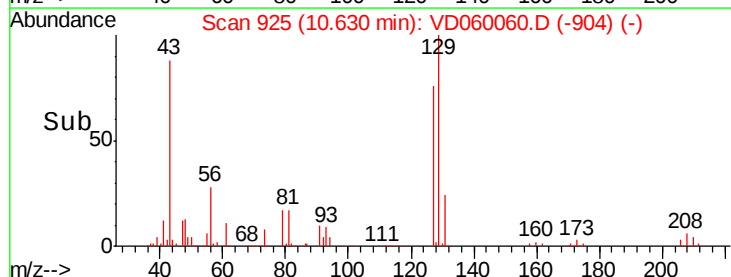
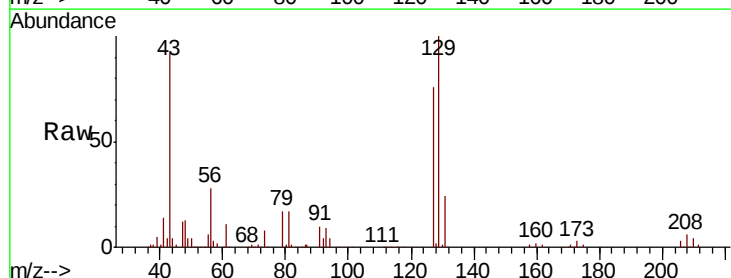
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

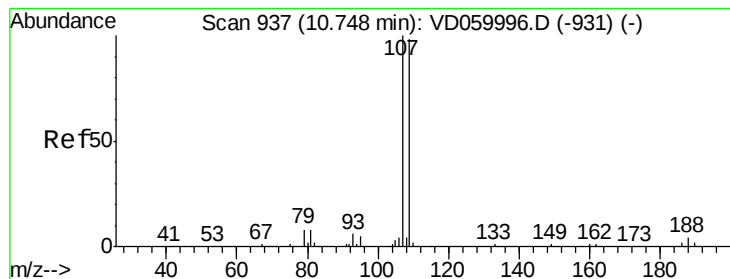
Tot Ion: 43 Resp: 1331699
Ion Ratio Lower Upper
43 100
58 45.8 23.4 70.0



#60
Dibromochloromethane
Concen: 45.28 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:129 Resp: 509866
Ion Ratio Lower Upper
129 100
127 75.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 43.92 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

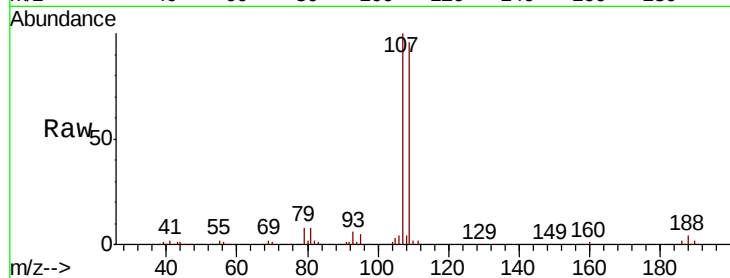
RA-091918-S-NW-061MS

Tot Ion:107 Resp: 419532

Ion Ratio Lower Upper

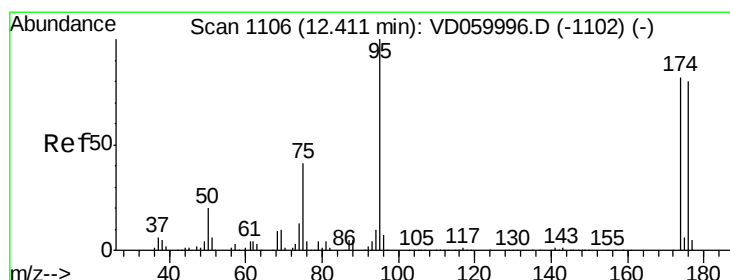
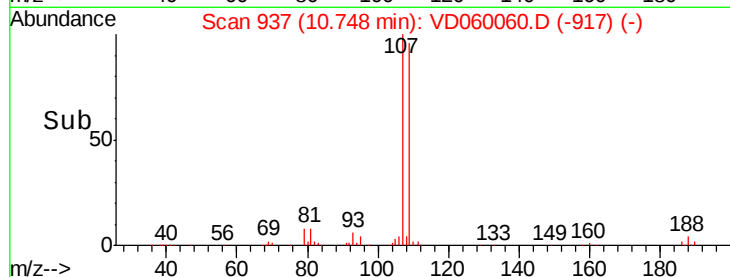
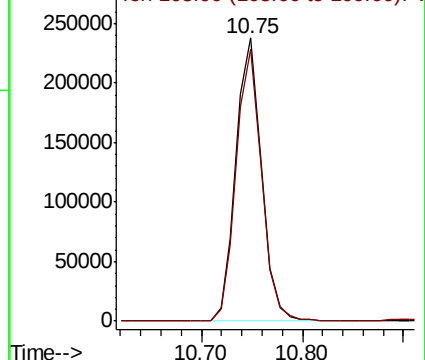
107 100

109 96.2 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 43.92 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

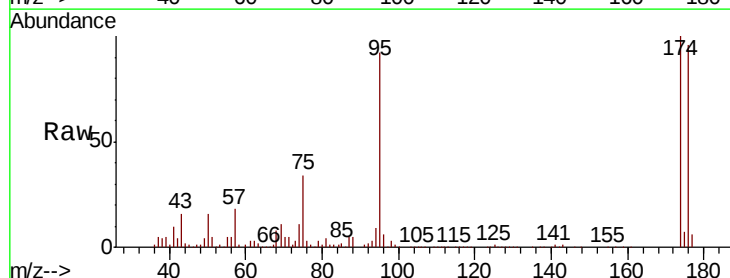
Tgt Ion: 95 Resp: 517863

Ion Ratio Lower Upper

95 100

174 108.1 0.0 165.0

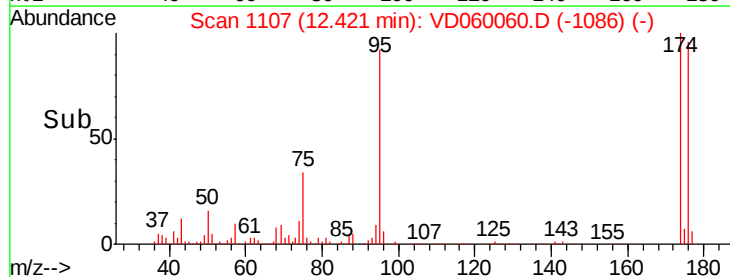
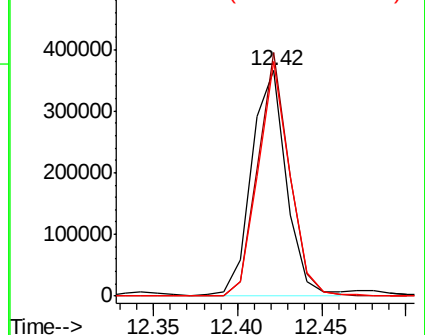
176 104.3 0.0 160.2

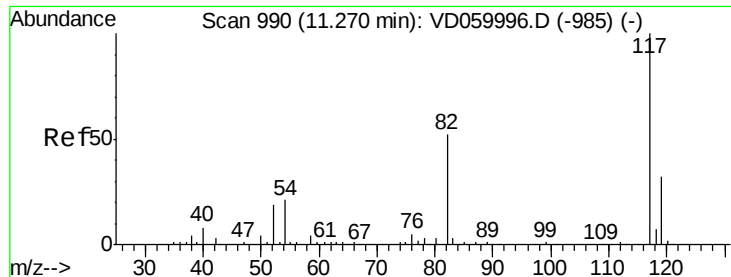


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

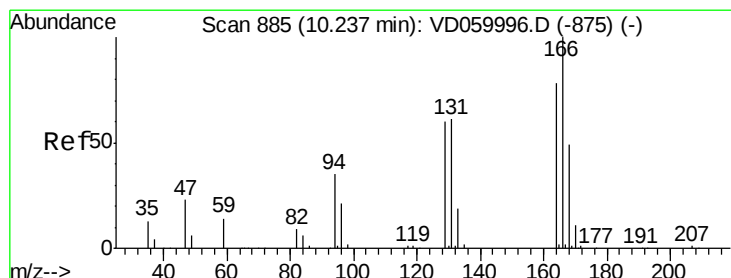
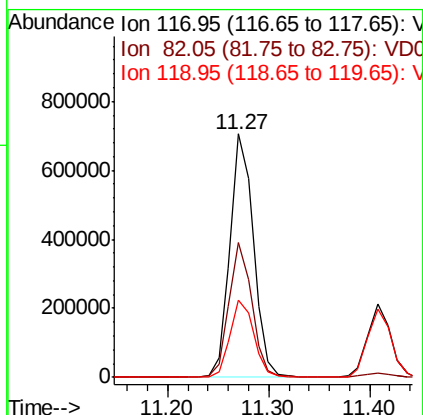
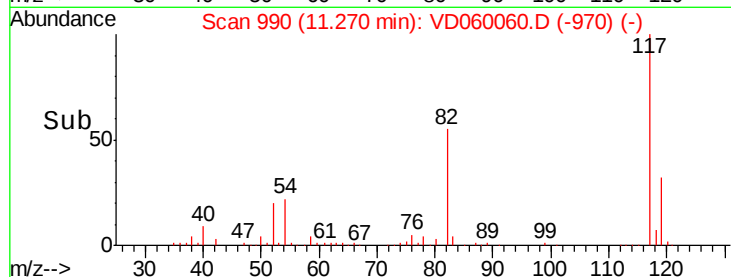
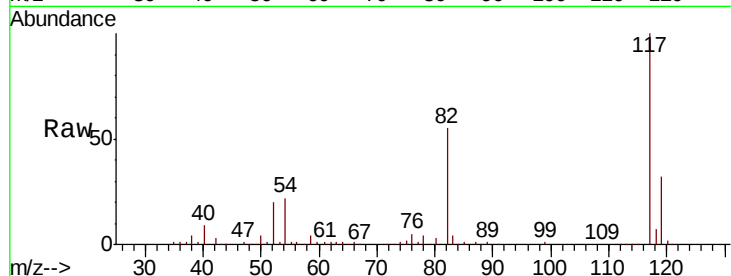




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

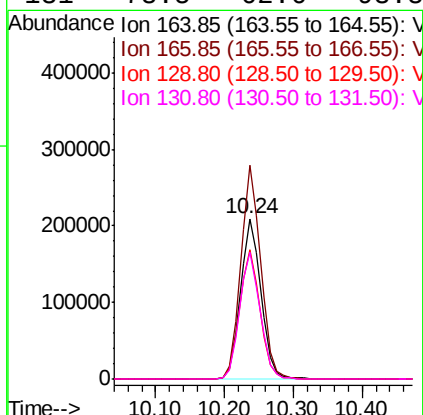
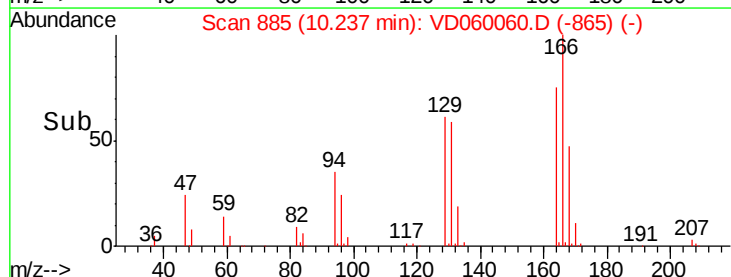
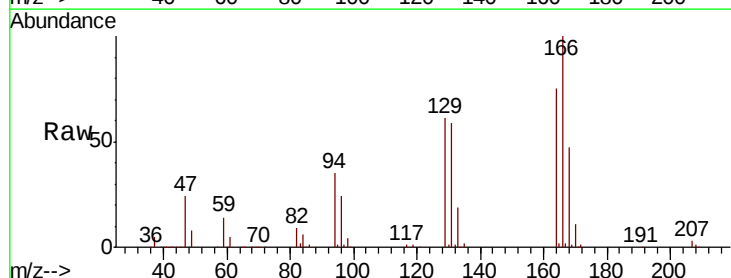
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

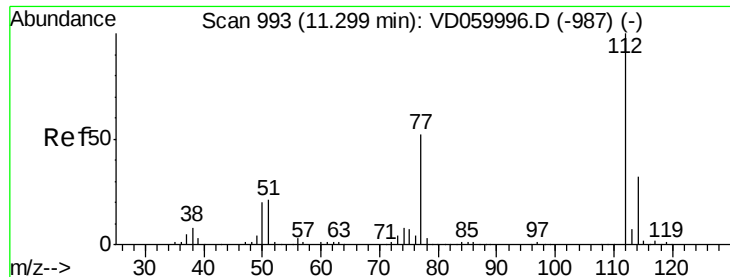
Tot Ion:117 Resp: 1140746
Ion Ratio Lower Upper
117 100
82 55.2 41.7 62.5
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 42.69 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:164 Resp: 429669
Ion Ratio Lower Upper
164 100
166 132.9 103.0 154.6
129 80.8 61.9 92.9
131 78.5 62.6 93.8

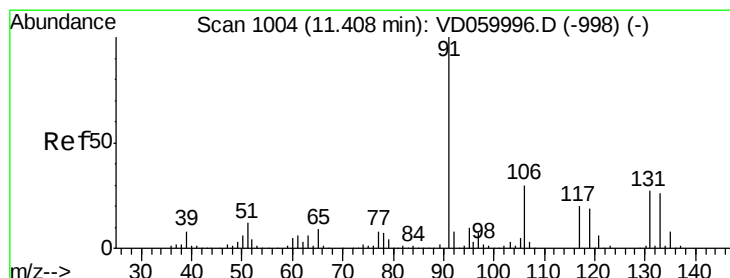
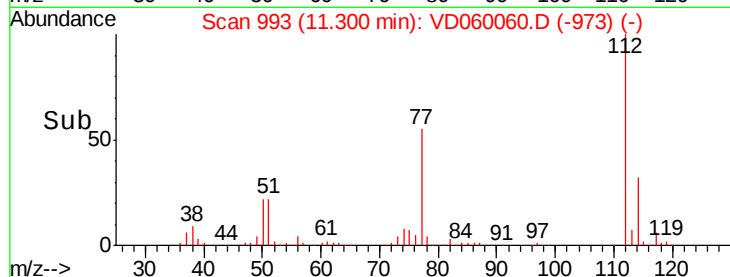
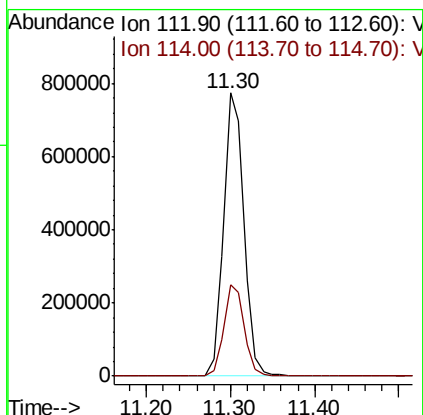
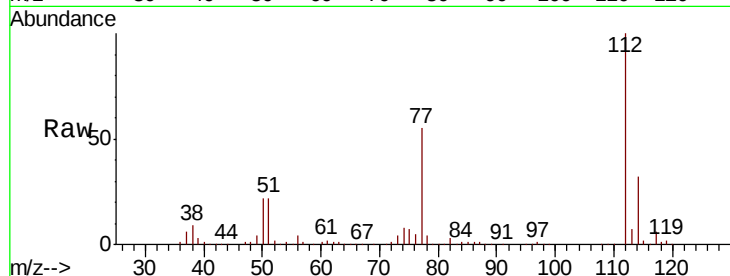




#65
Chlorobenzene
Concen: 52.69 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

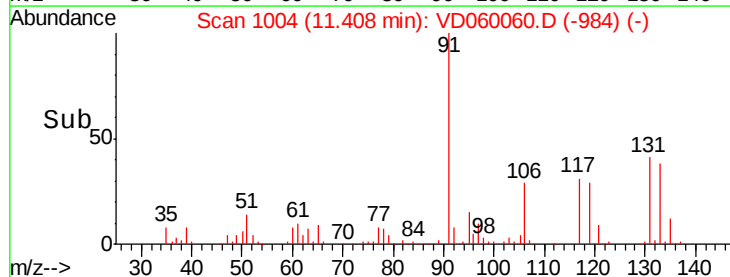
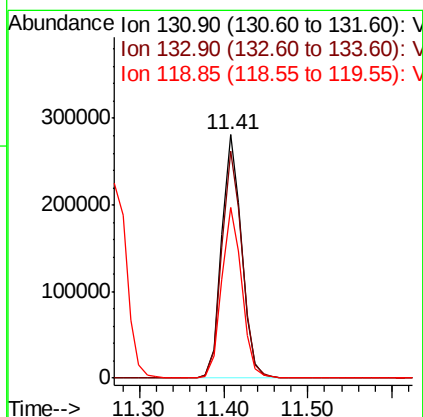
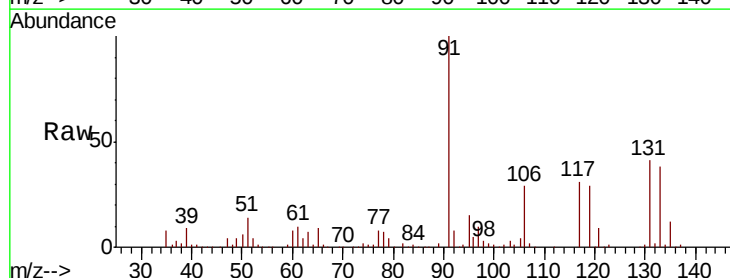
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion:112 Resp: 1292224
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.67 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:131 Resp: 460544
Ion Ratio Lower Upper
131 100
133 93.4 47.4 142.3
119 69.9 35.6 106.9

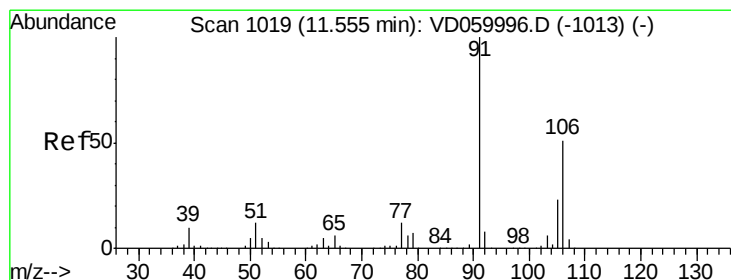
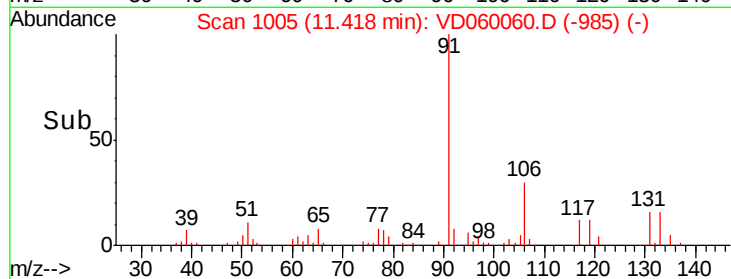
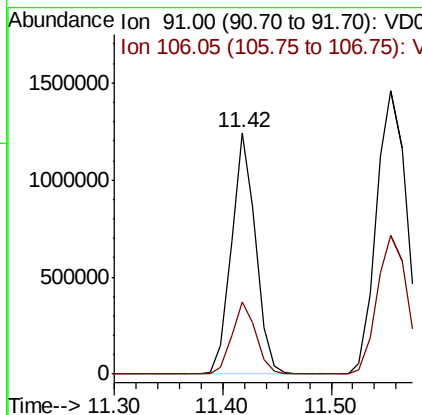
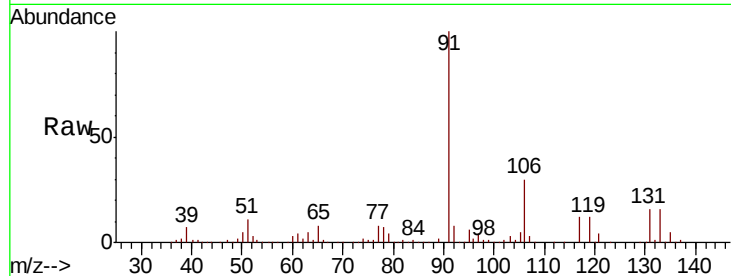




#67
Ethyl Benzene
Concen: 48.93 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

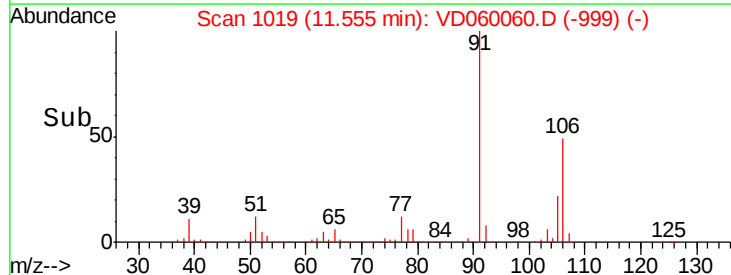
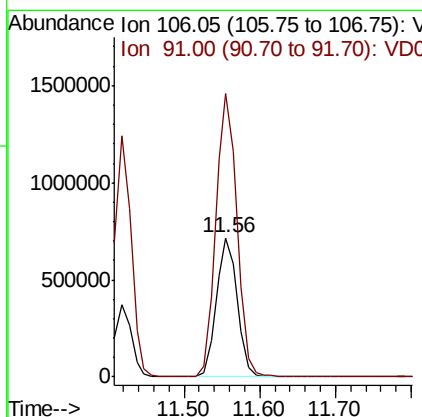
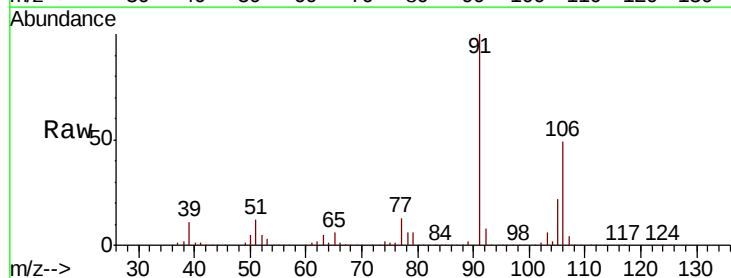
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

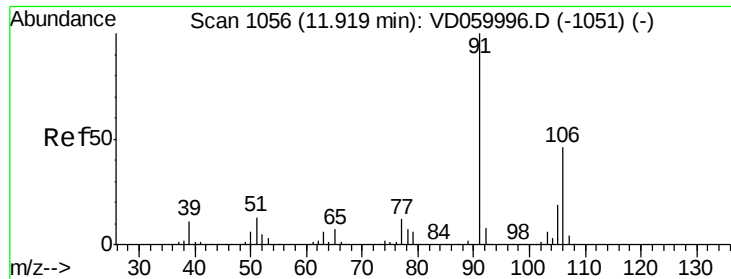
Tot Ion: 91 Resp: 1931002
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2



#68
m/p-Xylenes
Concen: 94.74 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 106 Resp: 1380943
Ion Ratio Lower Upper
106 100
91 204.0 157.0 235.6

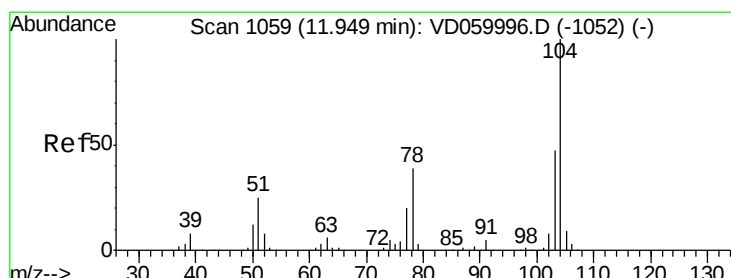
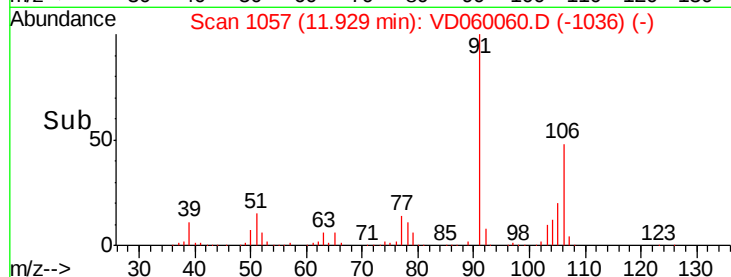
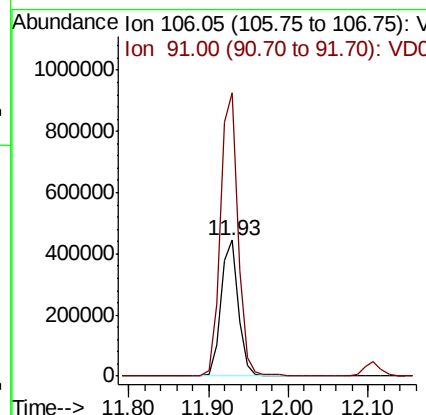
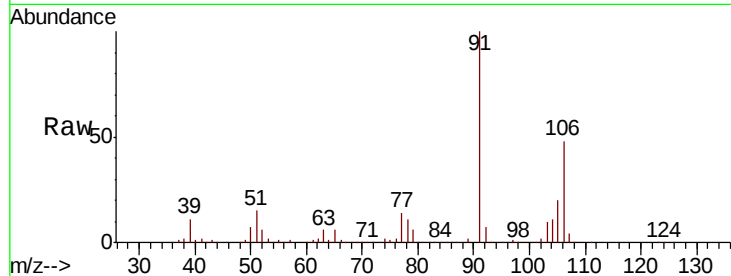




#69
o-Xylene
Concen: 47.55 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

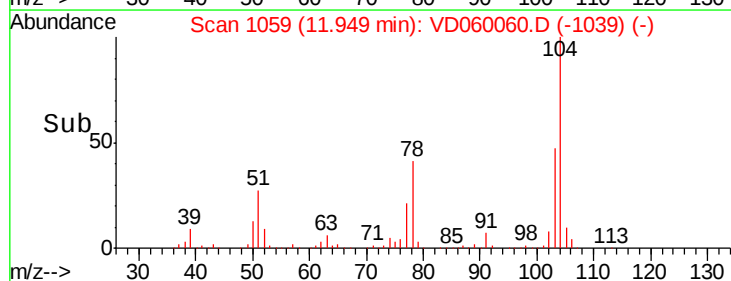
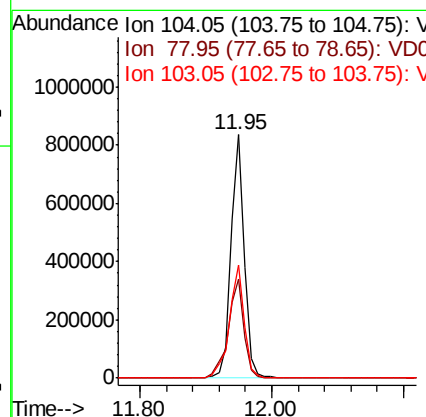
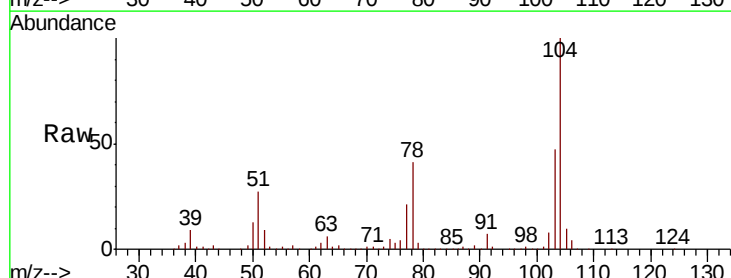
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

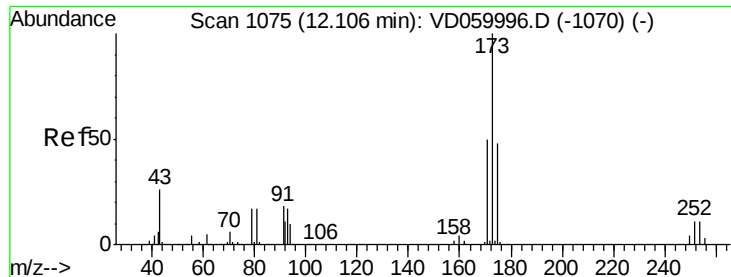
Tot Ion:106 Resp: 686791
Ion Ratio Lower Upper
106 100
91 208.5 107.7 323.1



#70
Styrene
Concen: 48.67 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:104 Resp: 1181935
Ion Ratio Lower Upper
104 100
78 40.5 31.0 46.4
103 46.6 37.6 56.4





#71

Bromoform

Concen: 45.83 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

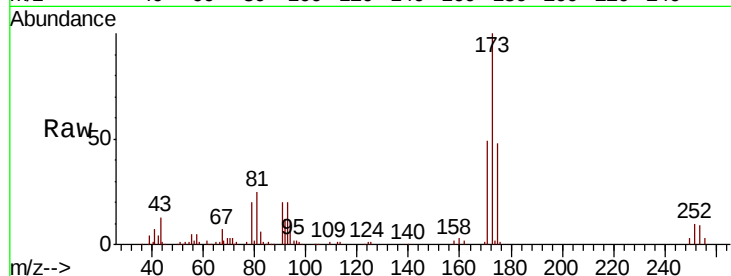
Tot Ion:173 Resp: 325707

Ion Ratio Lower Upper

173 100

175 47.6 24.0 72.0

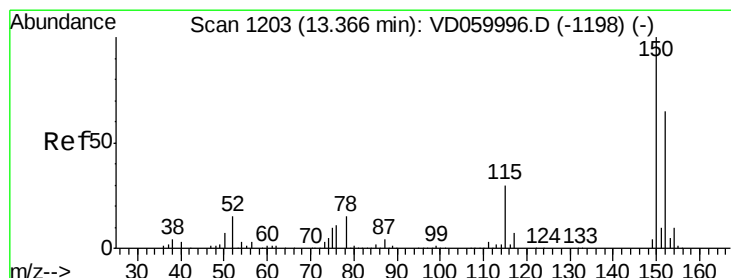
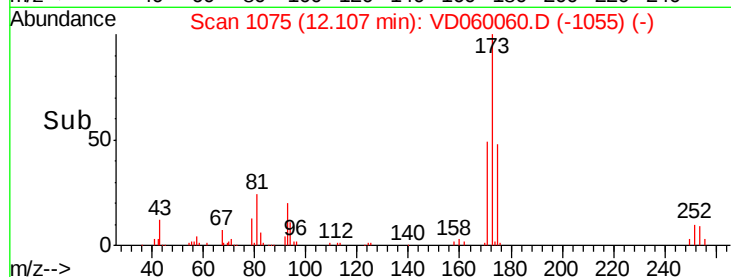
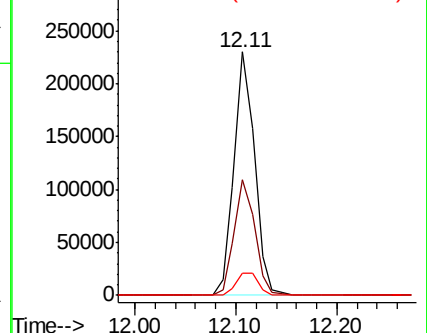
254 8.9 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

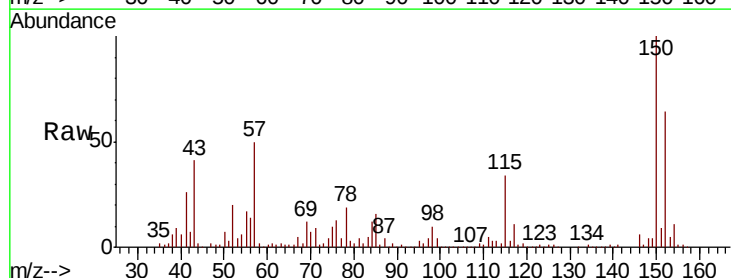
Tgt Ion:152 Resp: 390270

Ion Ratio Lower Upper

152 100

115 52.4 24.6 73.8

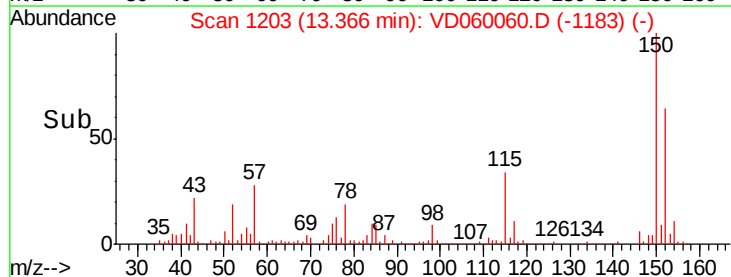
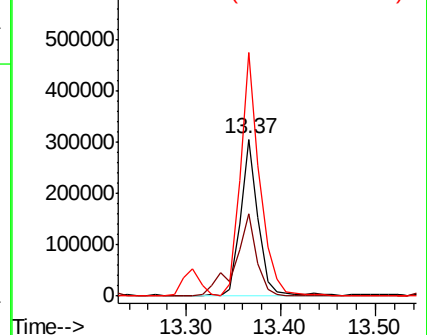
150 155.4 0.0 313.4

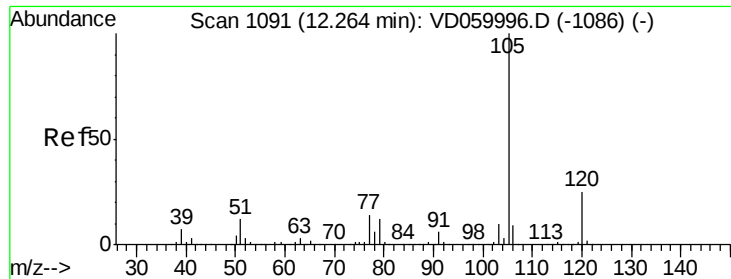


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.29 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

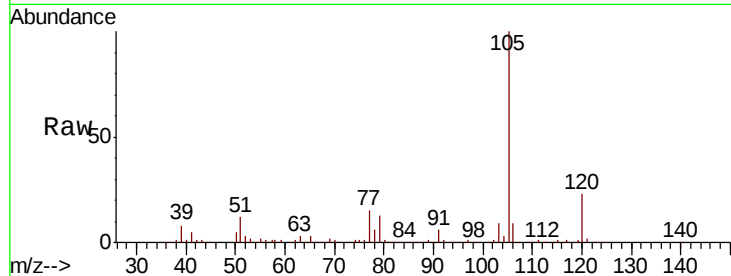
RA-091918-S-NW-061MS

Tot Ion:105 Resp: 1517488

Ion Ratio Lower Upper

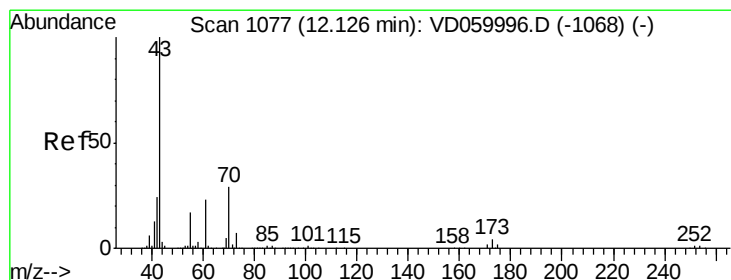
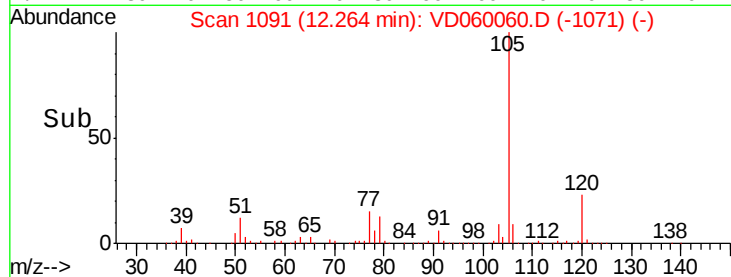
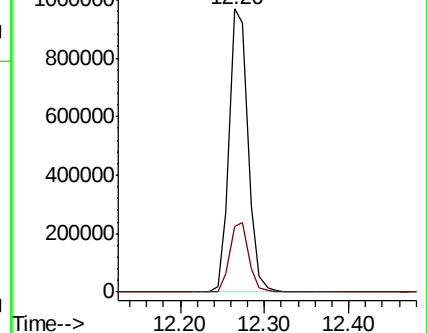
105 100

120 23.3 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 62.99 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Tgt Ion: 43 Resp: 638650

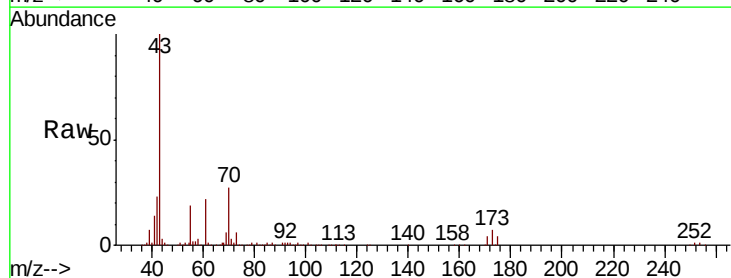
Ion Ratio Lower Upper

43 100

70 27.4 22.9 34.3

55 18.8 14.0 21.0

61 22.1 18.7 28.1

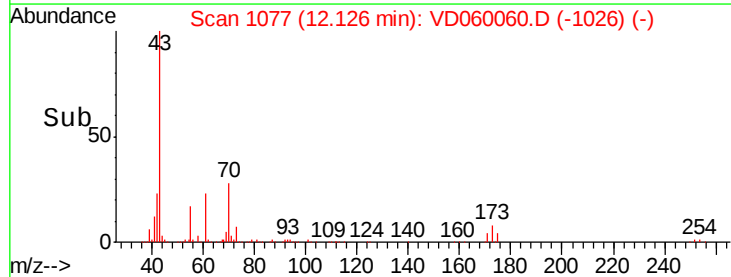
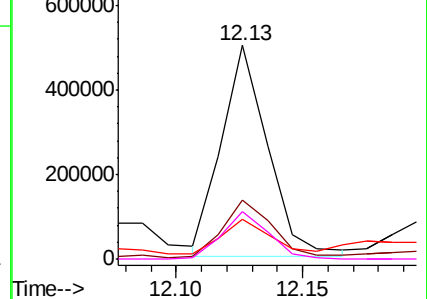


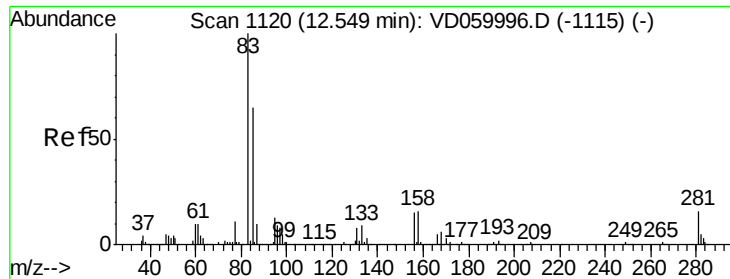
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 75.81 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

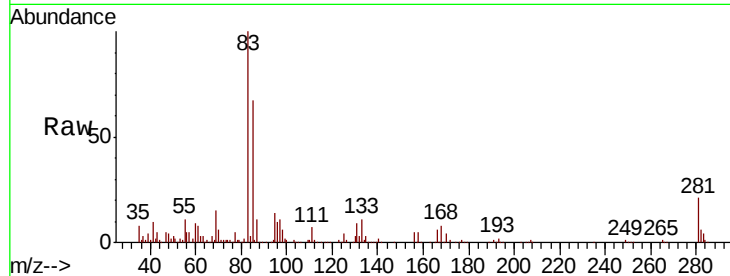
Tot Ion: 83 Resp: 440198

Ion Ratio Lower Upper

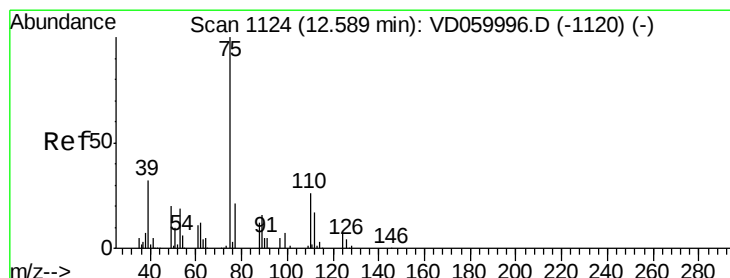
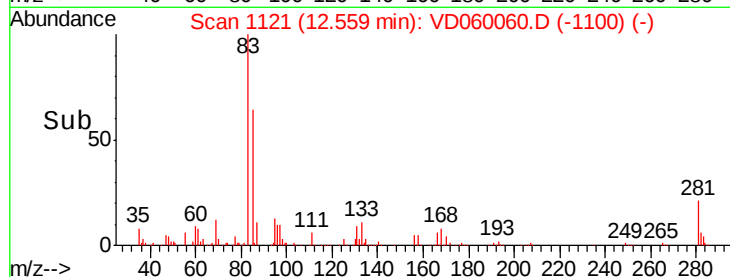
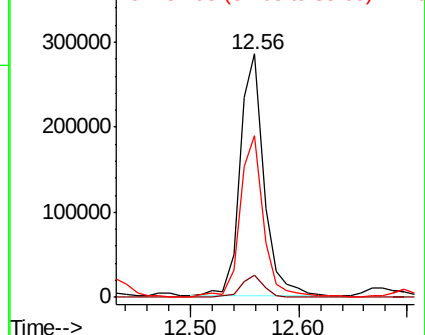
83 100

131 9.3 4.1 12.3

85 66.6 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 68.16 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD060060.D

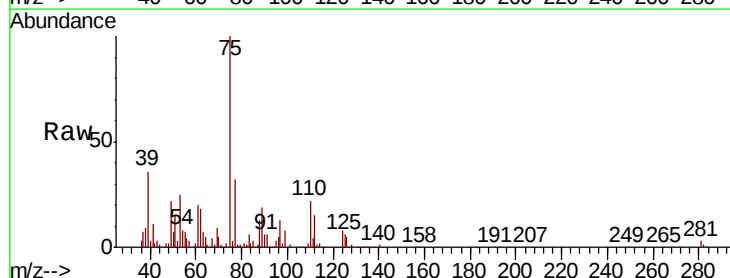
Acq: 20 Sep 2018 20:57

Tgt Ion: 75 Resp: 406257

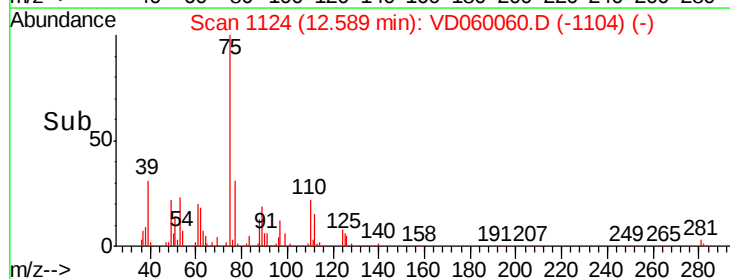
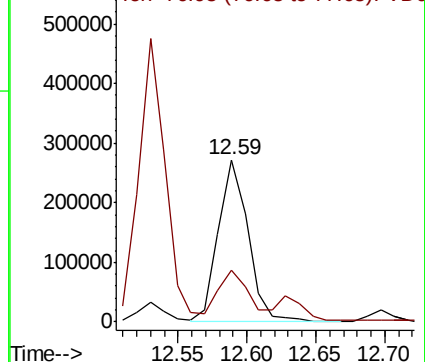
Ion Ratio Lower Upper

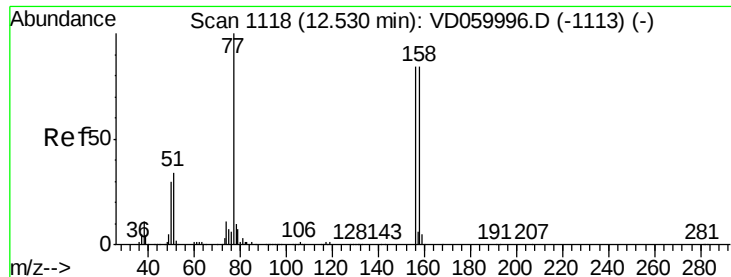
75 100

77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 70.60 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

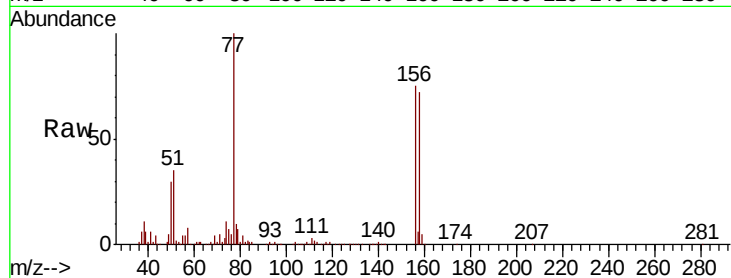
Tot Ion:156 Resp: 520538

Ion Ratio Lower Upper

156 100

77 133.4 59.5 178.4

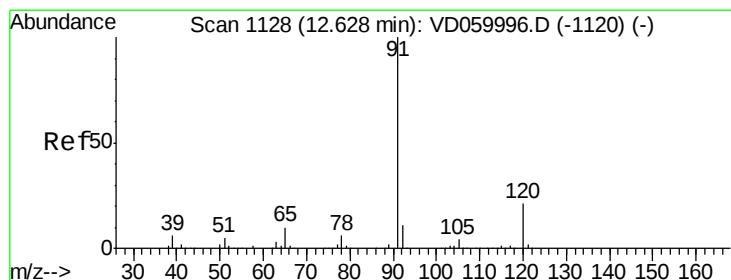
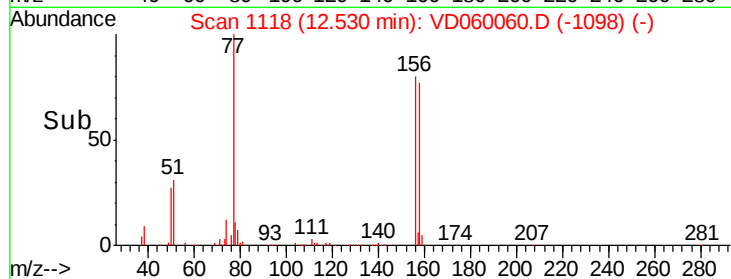
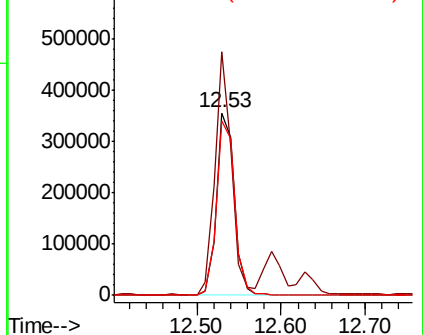
158 95.7 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.42 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060060.D

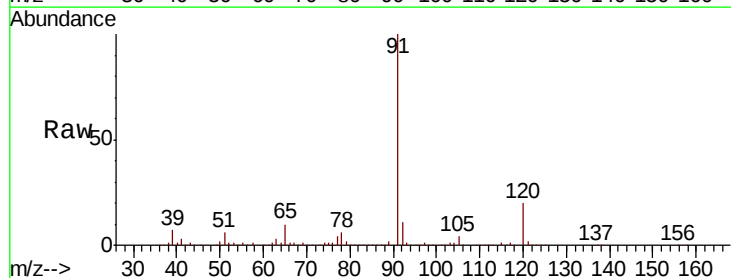
Acq: 20 Sep 2018 20:57

Tgt Ion: 91 Resp: 1654986

Ion Ratio Lower Upper

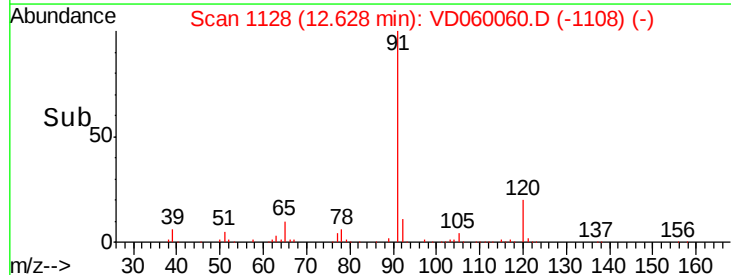
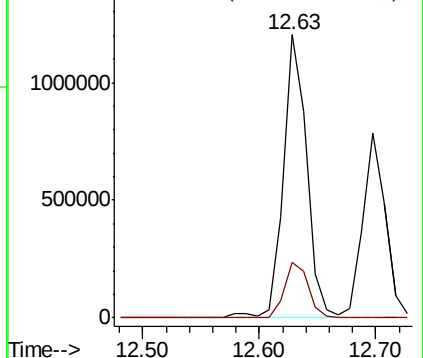
91 100

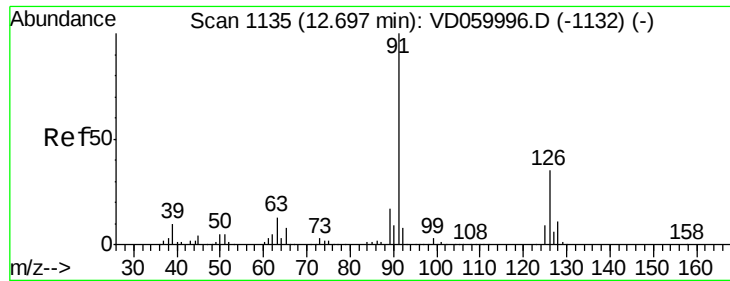
120 19.7 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

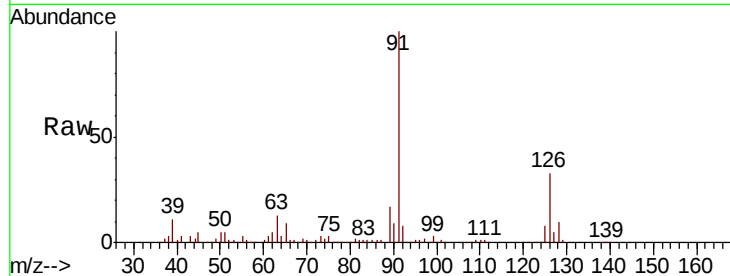




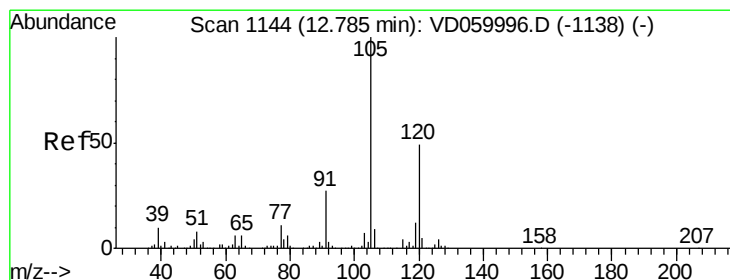
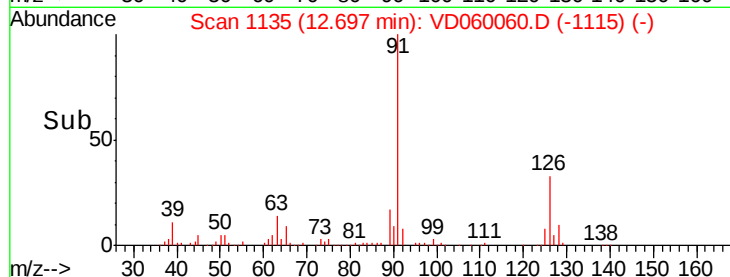
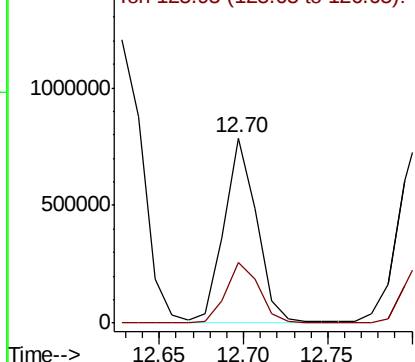
#79
 2-Chlorotoluene
 Concen: 57.76 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion: 91 Resp: 1049276
 Ion Ratio Lower Upper
 91 100
 126 32.7 17.3 52.0

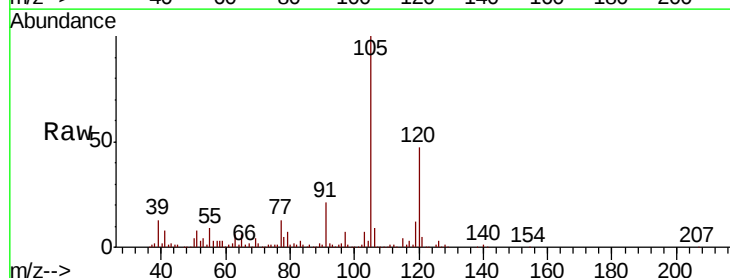


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

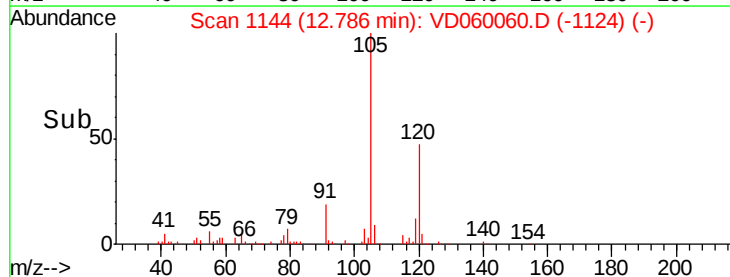
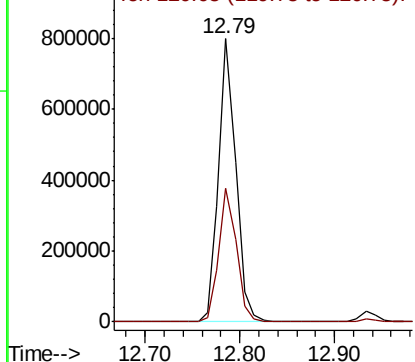


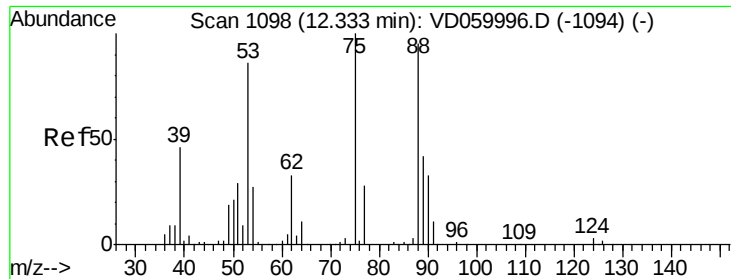
#80
 1,3,5-Trimethylbenzene
 Concen: 51.57 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:105 Resp: 1011673
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.85 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060060.D

Acq: 20 Sep 2018 20:57

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-NW-061MS

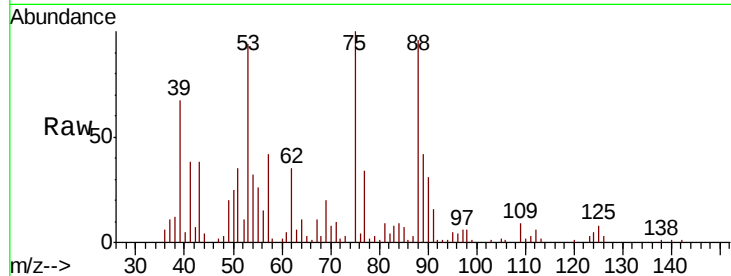
Tot Ion: 75 Resp: 116678

Ion Ratio Lower Upper

75 100

53 94.4 68.4 102.6

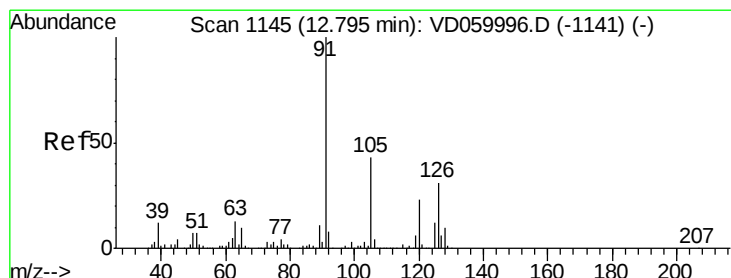
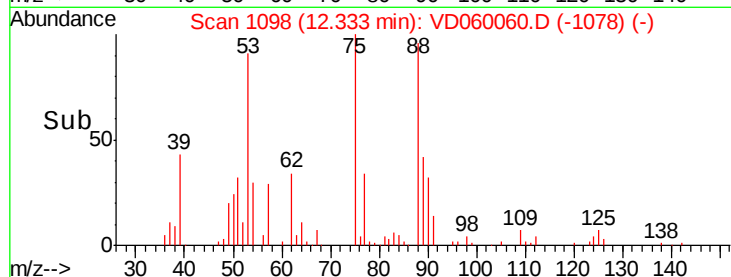
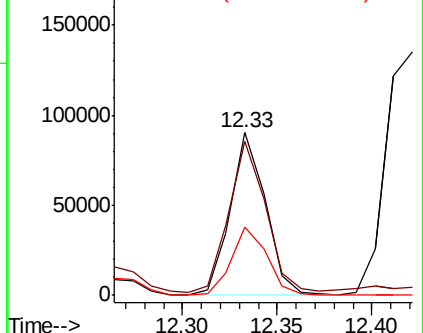
89 42.1 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 59.47 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060060.D

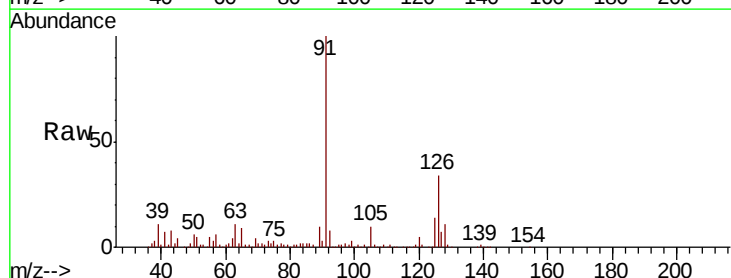
Acq: 20 Sep 2018 20:57

Tgt Ion: 91 Resp: 1187823

Ion Ratio Lower Upper

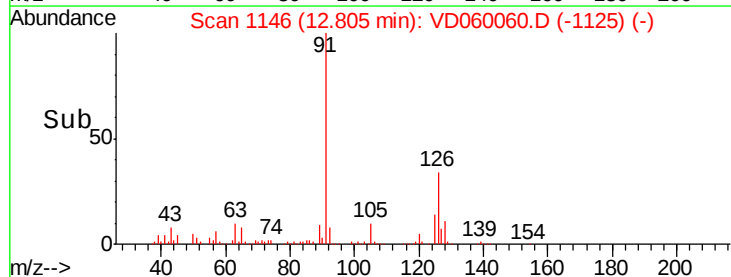
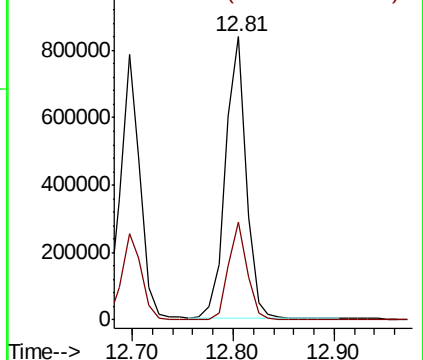
91 100

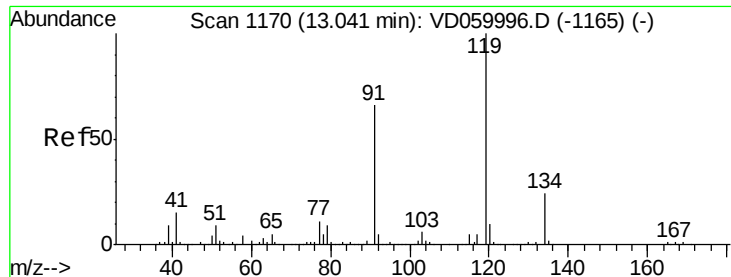
126 34.5 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

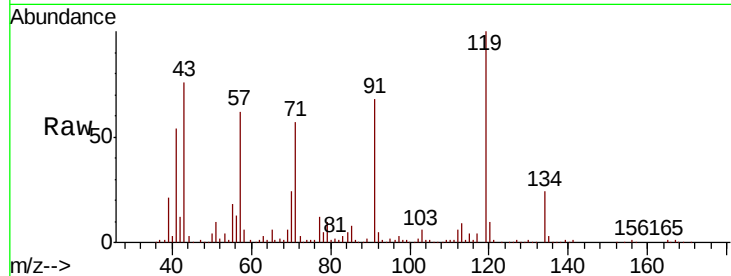




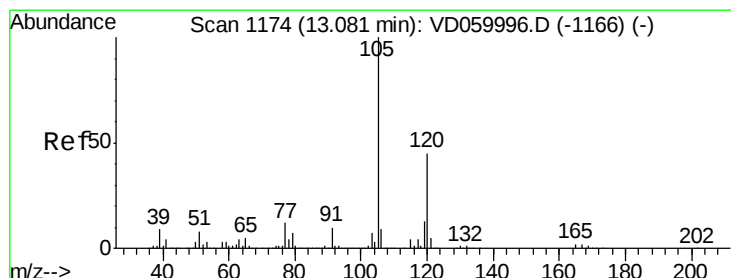
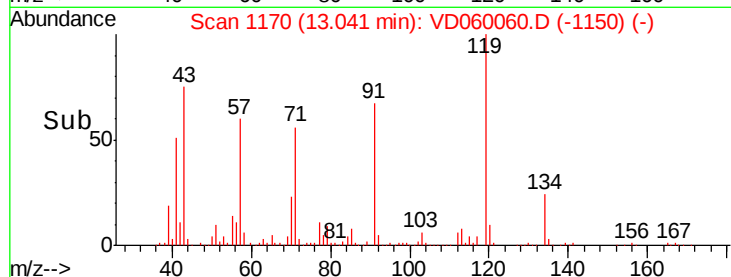
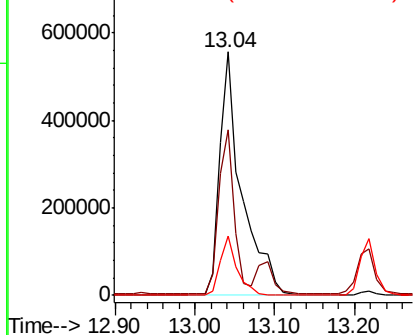
#83
 tert-Butylbenzene
 Concen: 47.88 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Tot Ion:119 Resp: 1088316
 Ion Ratio Lower Upper
 119 100
 91 68.1 32.9 98.6
 134 24.4 12.0 36.0

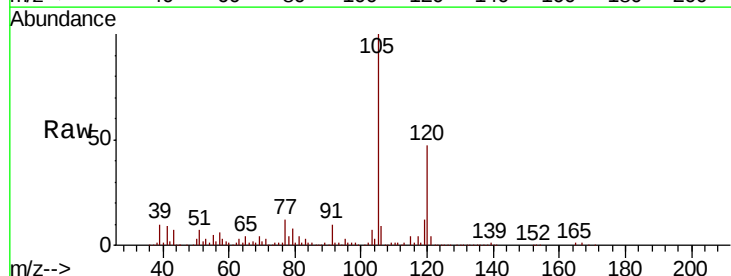


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

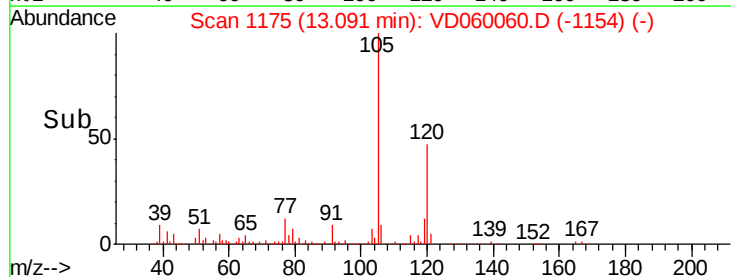
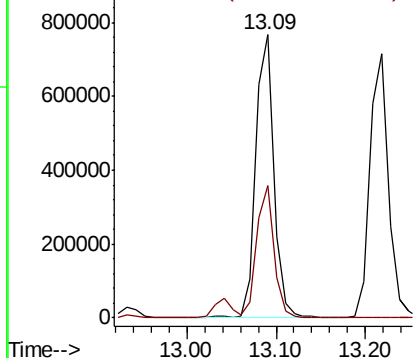


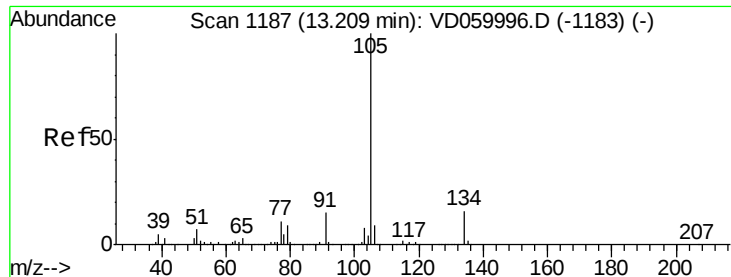
#84
 1,2,4-Trimethylbenzene
 Concen: 50.56 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:105 Resp: 1058428
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

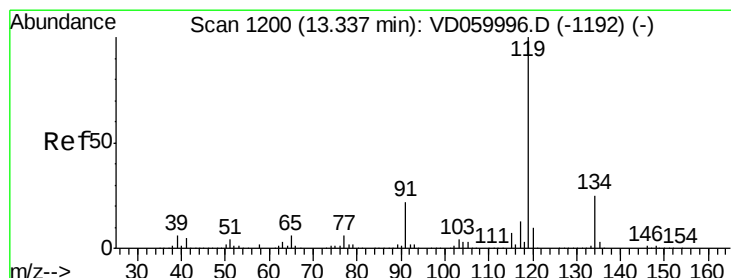
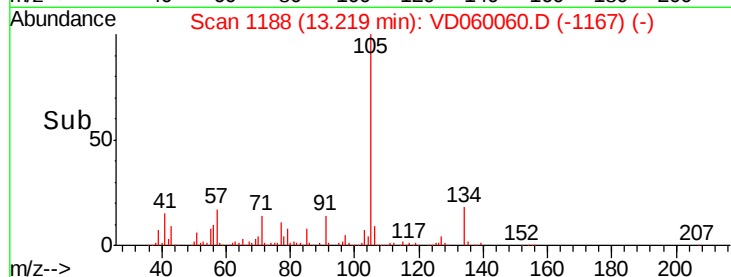
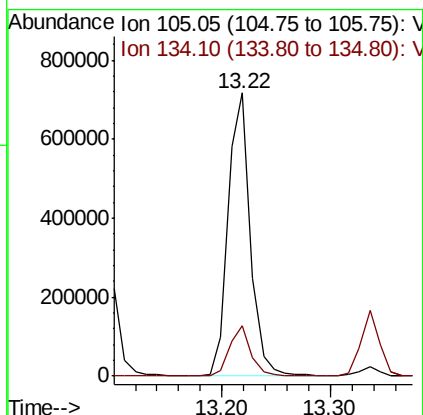
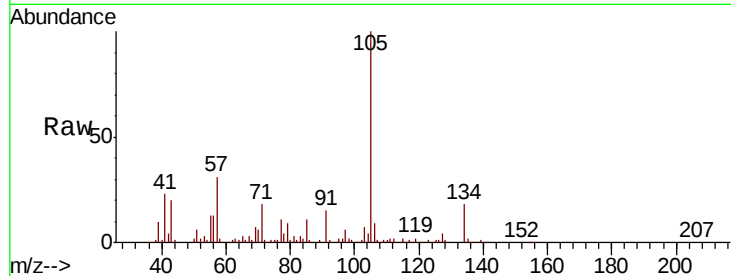




#85
 sec-Butylbenzene
 Concen: 37.56 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

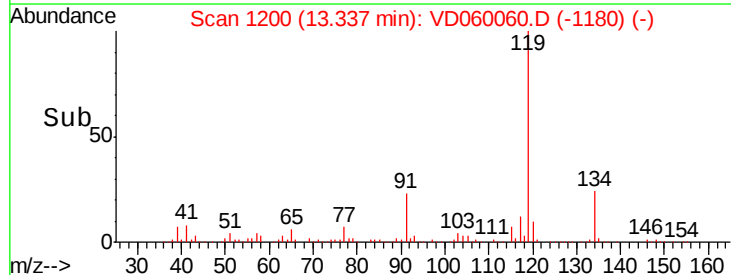
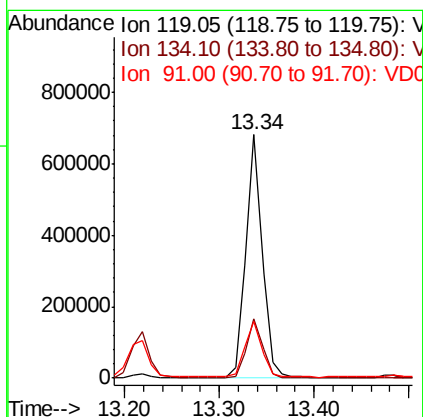
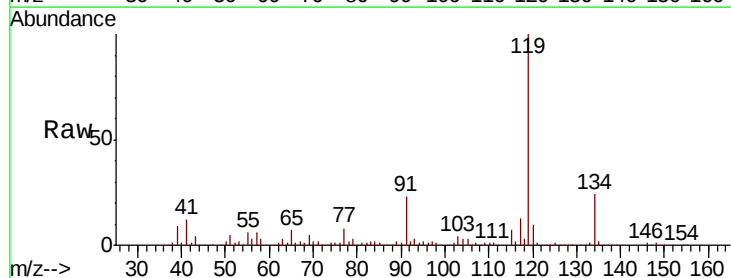
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

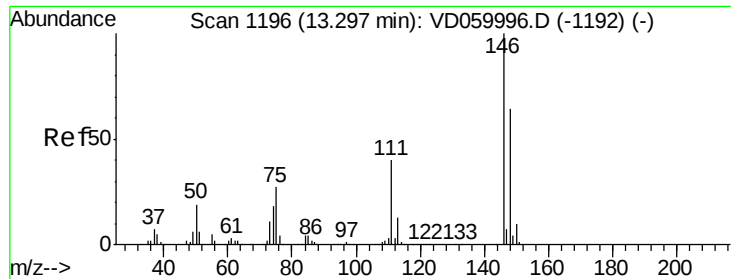
Tot Ion:105 Resp: 1013298
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 37.53 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:119 Resp: 818963
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 23.4 11.1 33.3

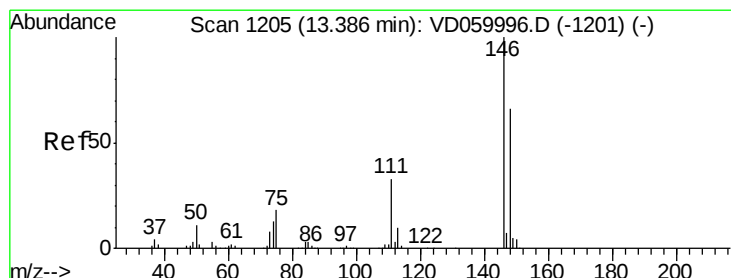
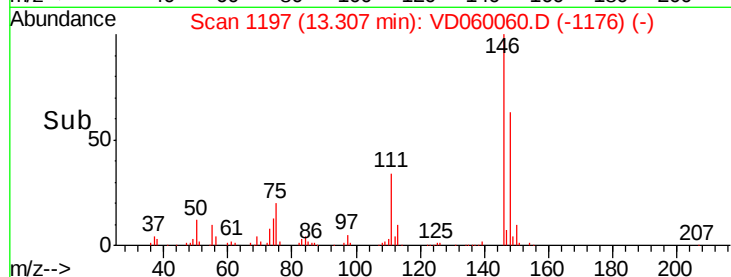
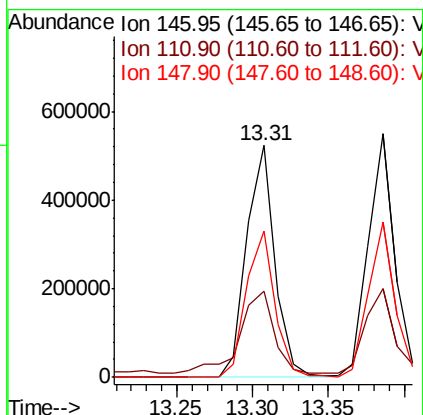
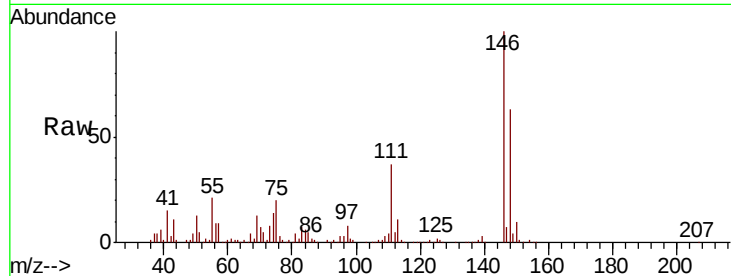




#87
 1,3-Dichlorobenzene
 Concen: 53.15 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

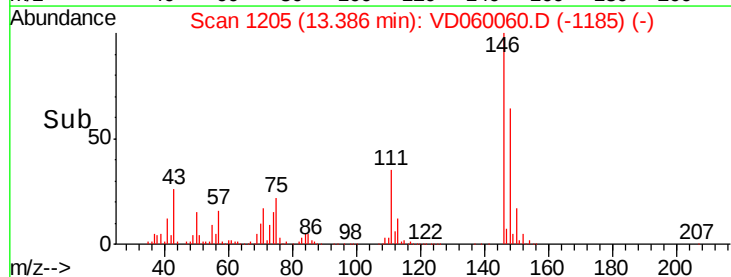
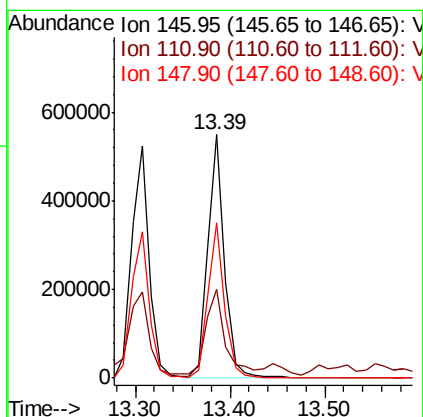
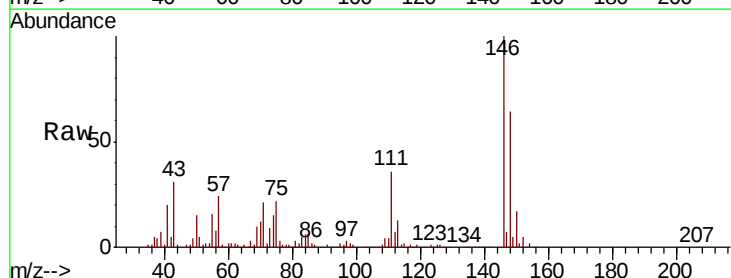
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

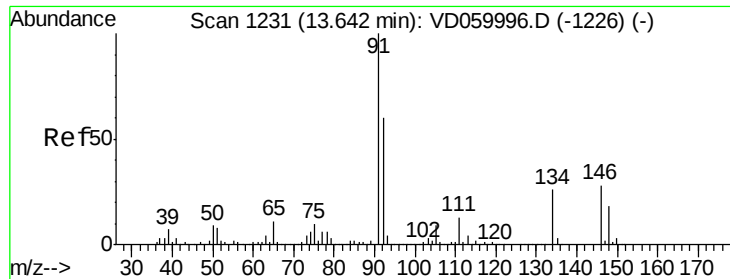
Tot Ion:146 Resp: 681493
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.2 60.5
 148 63.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.20 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion:146 Resp: 678888
 Ion Ratio Lower Upper
 146 100
 111 36.3 16.7 50.0
 148 63.7 32.9 98.6

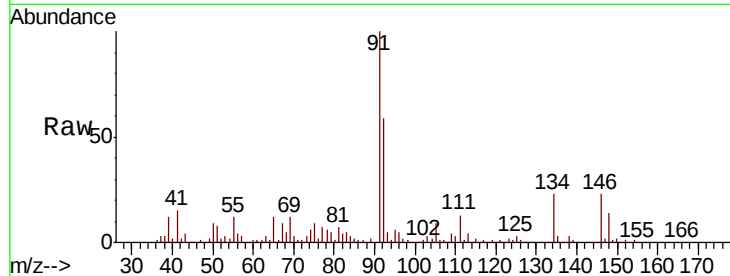




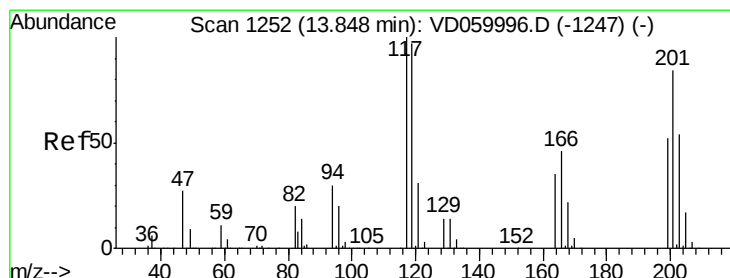
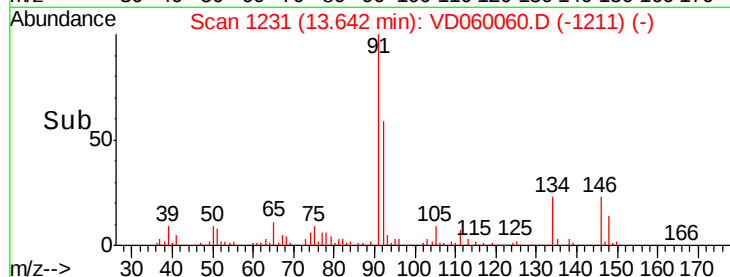
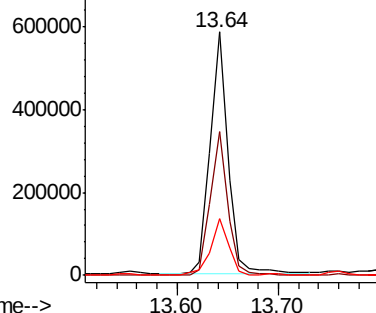
#89
n-Butylbenzene
Concen: 32.39 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion: 91 Resp: 713636
Ion Ratio Lower Upper
91 100
92 59.2 29.8 89.3
134 23.4 13.2 39.6

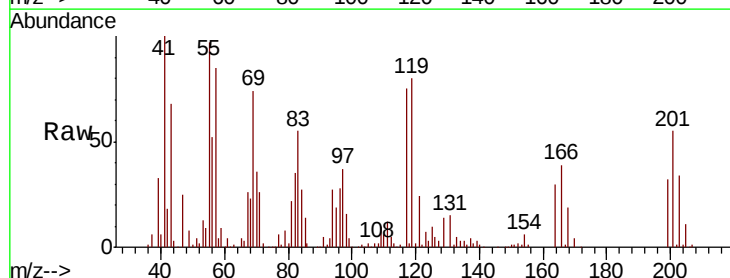


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

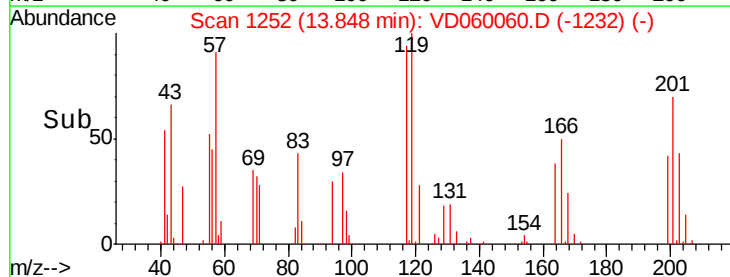
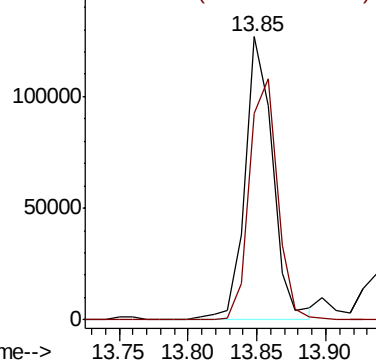


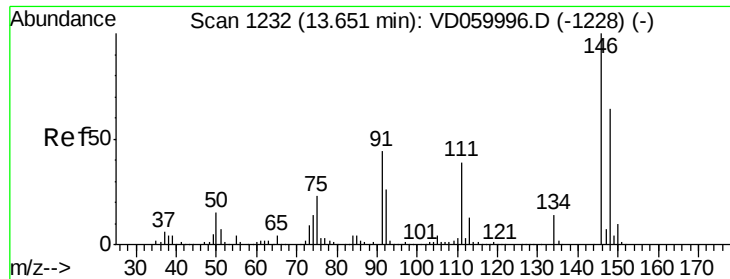
#90
Hexachloroethane
Concen: 32.72 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion: 117 Resp: 176838
Ion Ratio Lower Upper
117 100
201 72.8 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

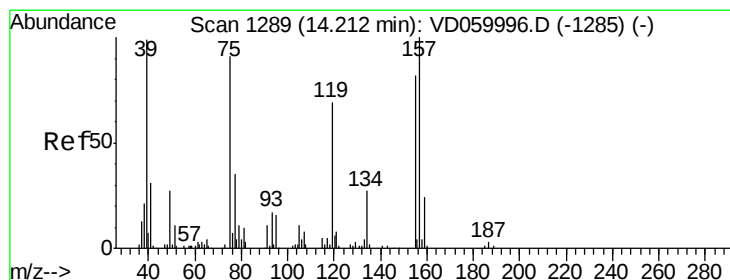
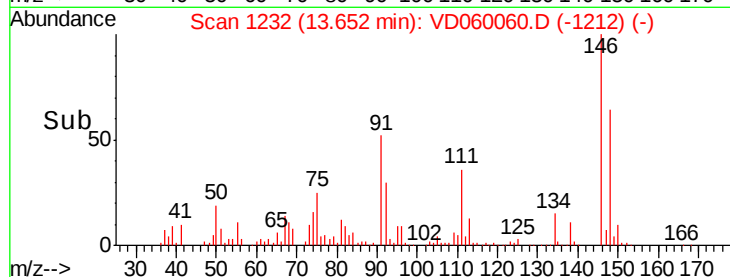
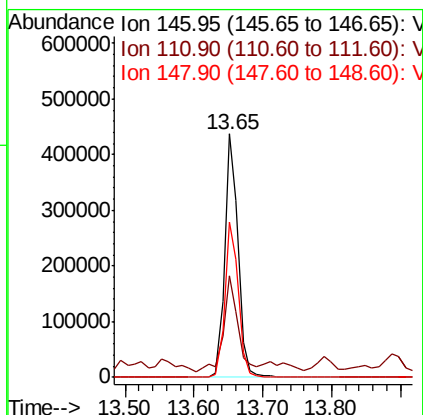
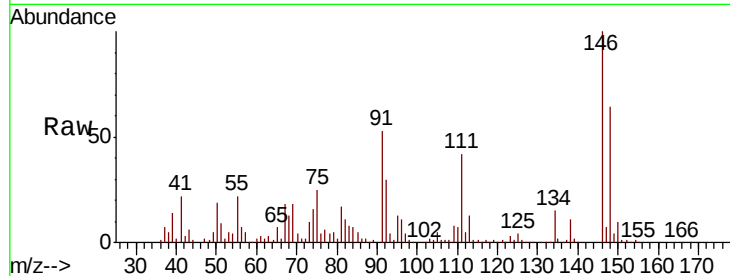




#91
 1,2-Dichlorobenzene
 Concen: 57.90 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

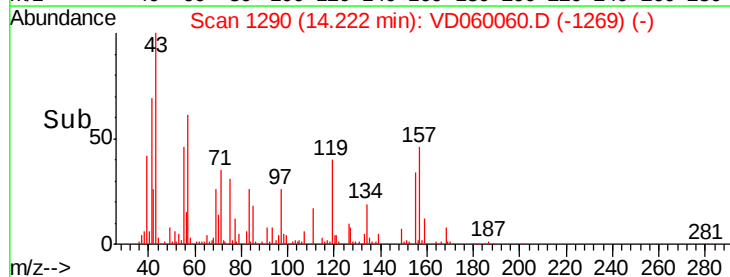
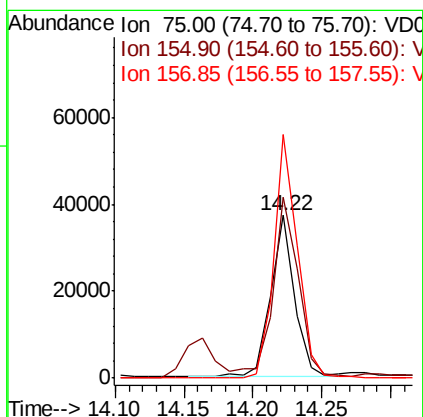
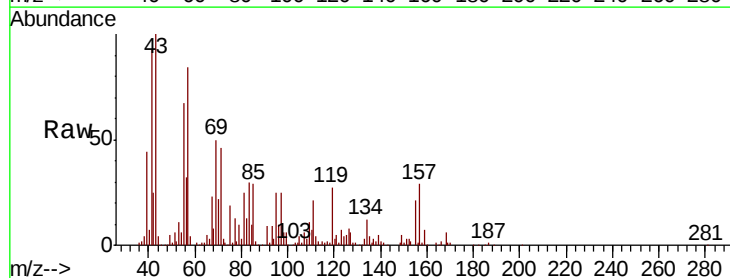
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

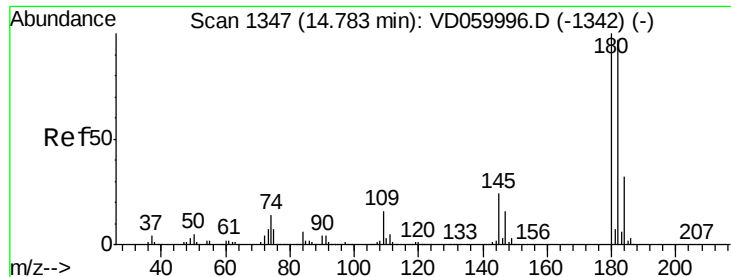
Tot Ion:146 Resp: 583581
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.6 58.7
 148 63.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.64 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion: 75 Resp: 44828
 Ion Ratio Lower Upper
 75 100
 155 111.3 44.7 134.1
 157 149.8 54.7 164.1

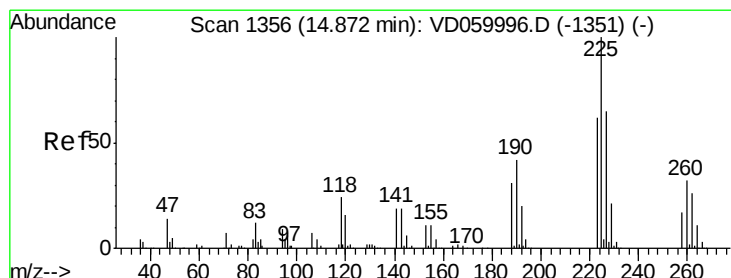
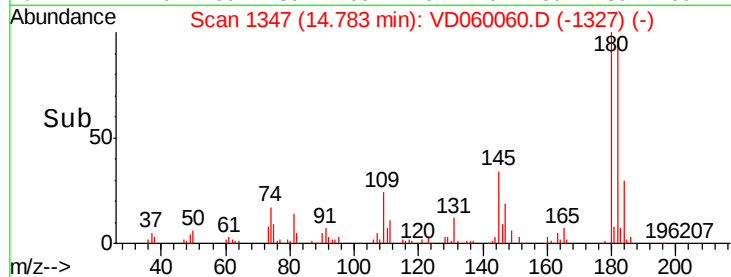
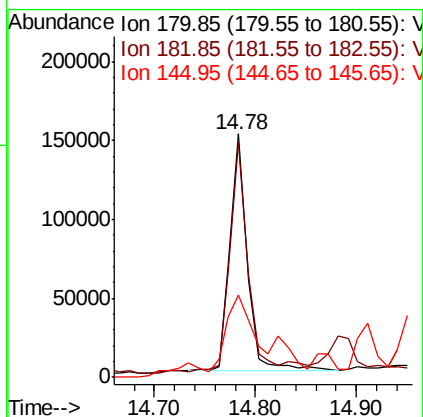
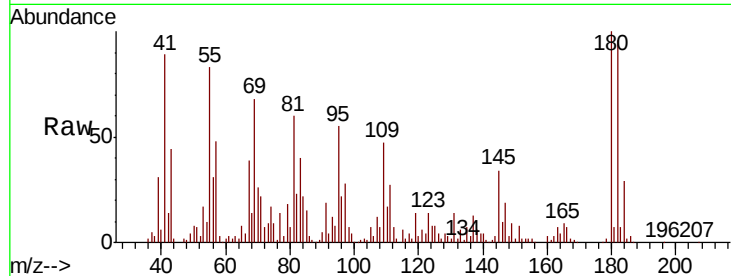




#93
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

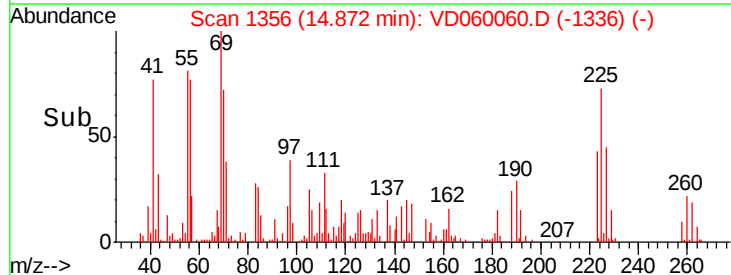
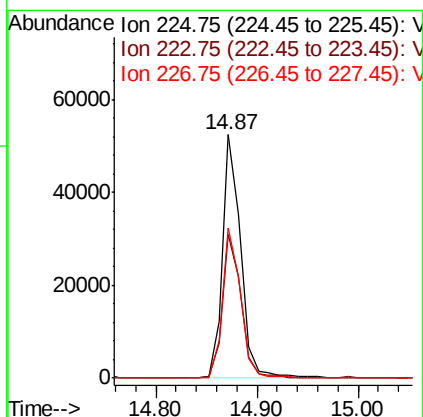
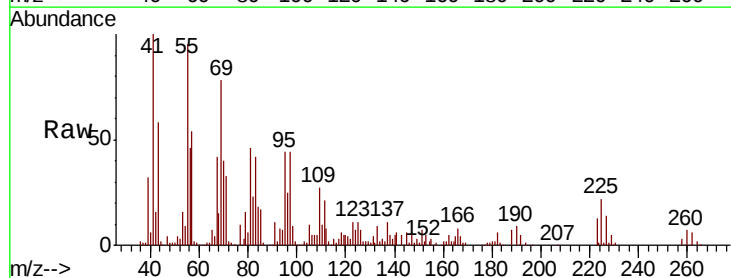
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

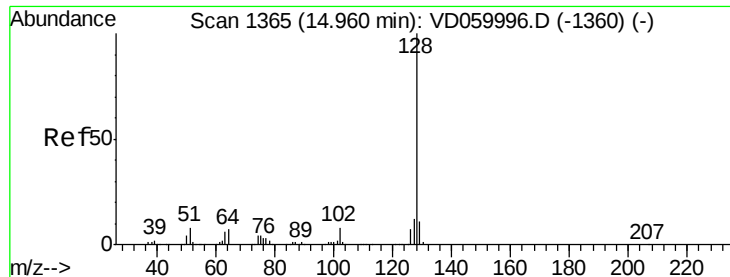
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	33.7	11.9	35.7



#94
 Hexachlorobutadiene
 Concen: 10.96 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060060.D
 Acq: 20 Sep 2018 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.2	93.6
227	61.8	32.3	96.8

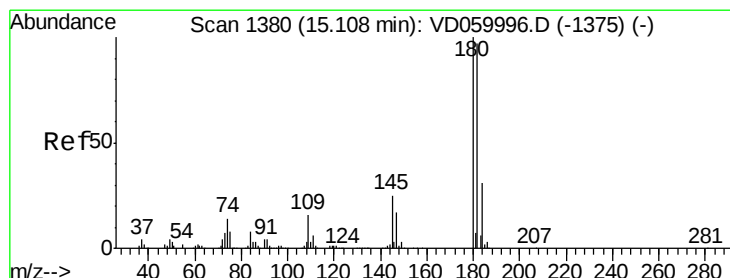
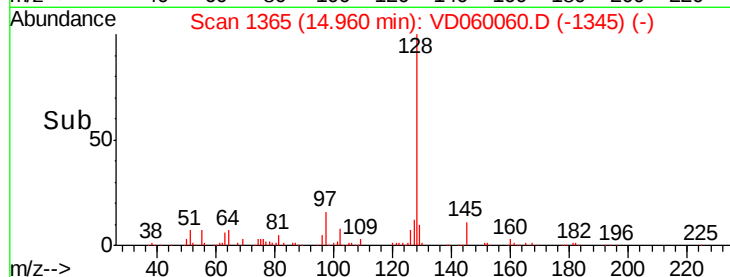
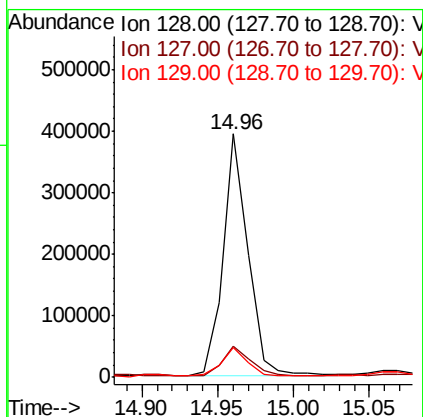
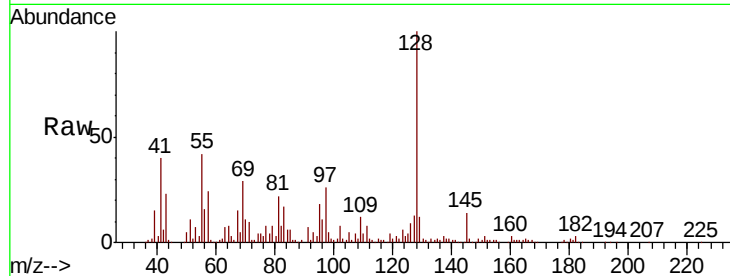




#95
Naphthalene
Concen: 31.73 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-NW-061MS

Tot Ion:128 Resp: 447694
Ion Ratio Lower Upper
128 100
127 13.0 9.7 14.5
129 12.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.38 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060060.D
Acq: 20 Sep 2018 20:57

Tgt Ion:180 Resp: 156076
Ion Ratio Lower Upper
180 100
182 94.2 48.6 145.9
145 72.8 12.7 38.1#

