

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063770.D
 Acq On : 23 Aug 2019 17:01
 Operator : JC/SY
 Sample : K4451-03RE
 Misc : 6.71g/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 26 11:13:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1136543	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1590987	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1309443	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	656010	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	677775	55.79	ug/l	-0.02
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	6.92	113	788238	58.83	ug/l	-0.02
Spiked Amount			Recovery	=	117.66%	
50) Toluene-d8	10.40	98	1762195	59.82	ug/l	-0.02
Spiked Amount			Recovery	=	119.64%	
62) 4-Bromofluorobenzene	13.55	95	691781	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	

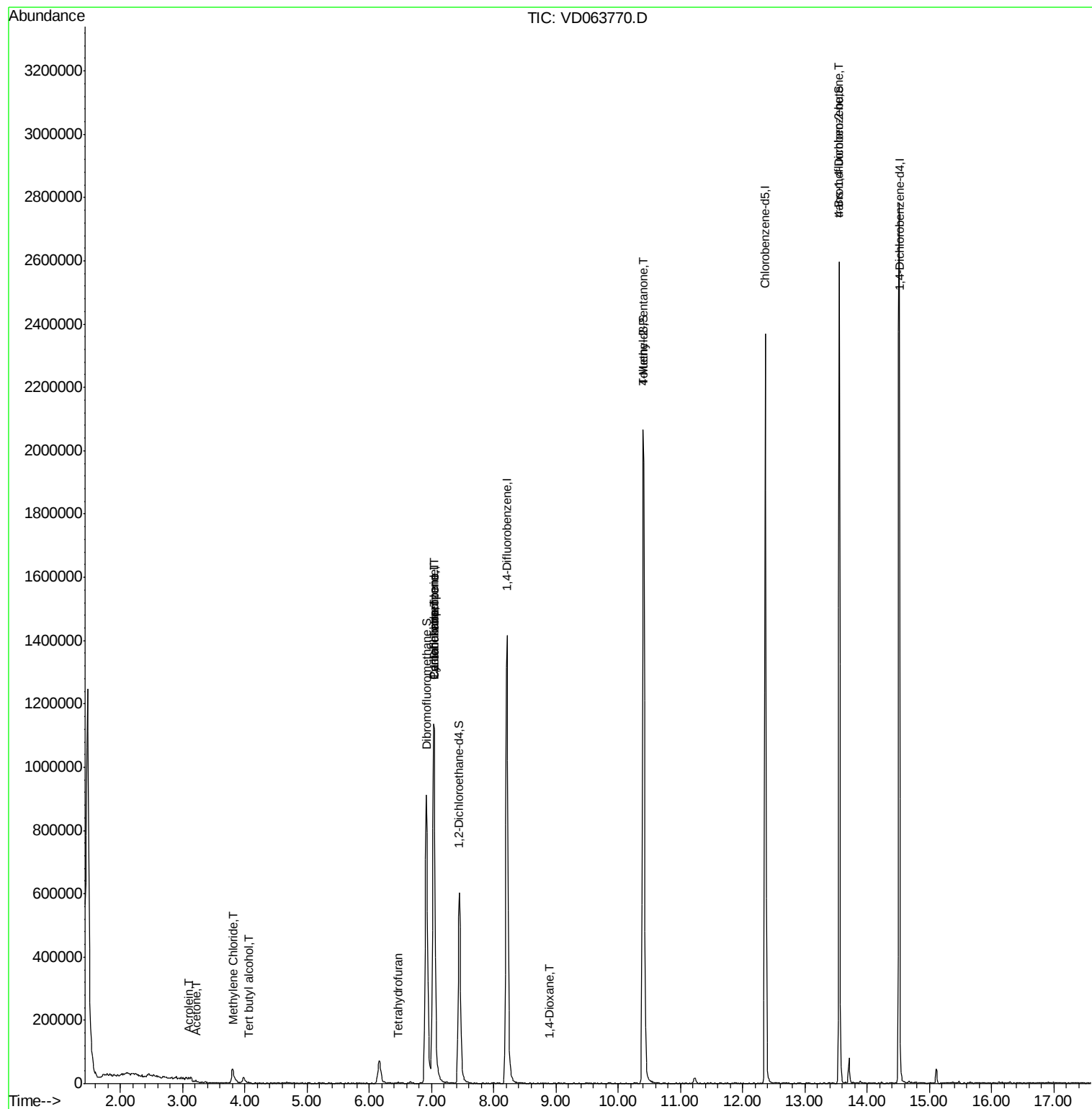
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1656	3.131	ug/l #	71
13) Acrolein	3.10	56	564	1.083	ug/l	99
16) Acetone	3.22	43	8895	3.602	ug/l #	65
20) Methylene Chloride	3.81	84	29327	2.746	ug/l #	85
29) Tetrahydrofuran	6.47	42	1714	1.508	ug/l #	57
31) Cyclohexane	7.04	56	22547	2.055	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	81891	5.822	ug/l #	50
38) Carbon Tetrachloride	7.05	117	107033	5.049	ug/l #	16
49) 1,4-Dioxane	8.91	88	207	28.963	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	11188	2.071	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	317054	156.682	ug/l #	1

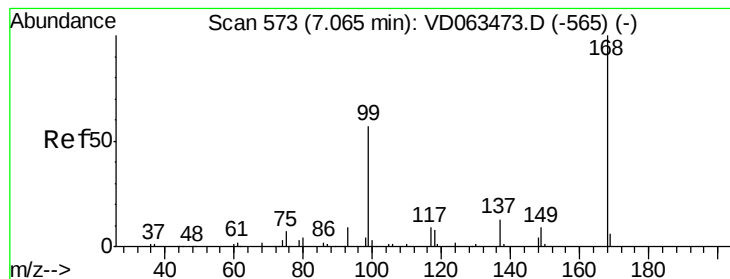
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082319\
Data File : VD063770.D
Acq On : 23 Aug 2019 17:01
Operator : JC/SY
Sample : K4451-03RE
Misc : 6.71a/5ml/MSVOA D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 26 11:13:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

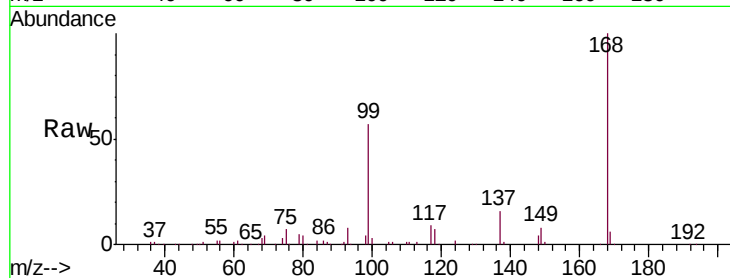
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1136543

Ion Ratio Lower Upper

168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

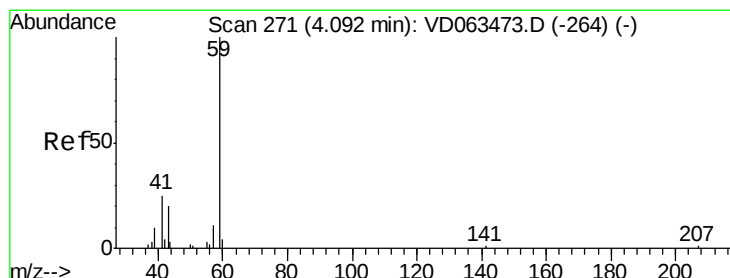
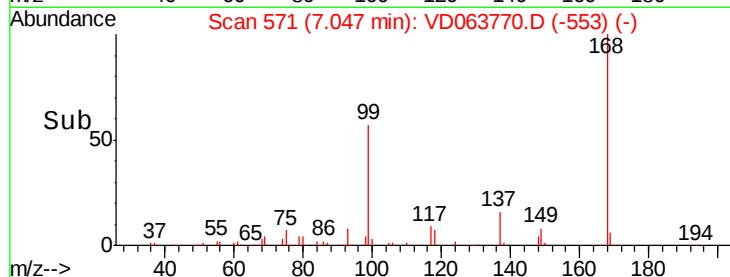
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.131 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.04 min

Lab File: VD063770.D

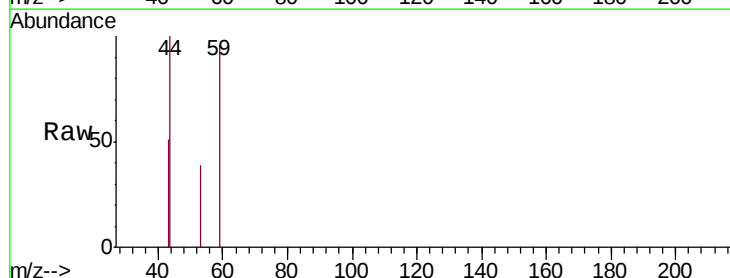
Acq: 23 Aug 2019 17:01

Tgt Ion: 59 Resp: 1656

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

2500

2000

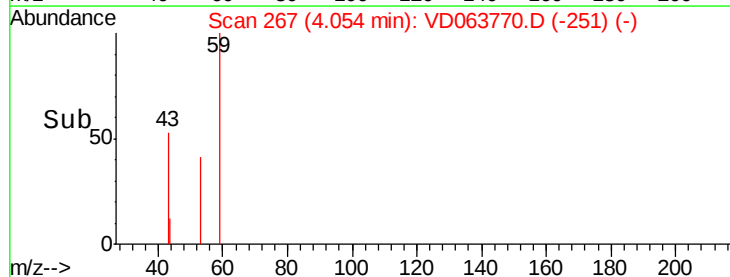
1500

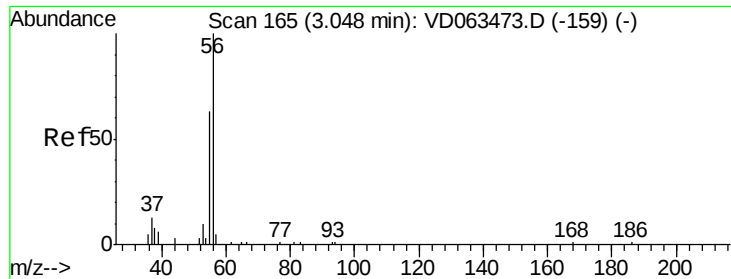
1000

500

0

Time-->





#13

Acrolein

Concen: 1.083 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.05 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

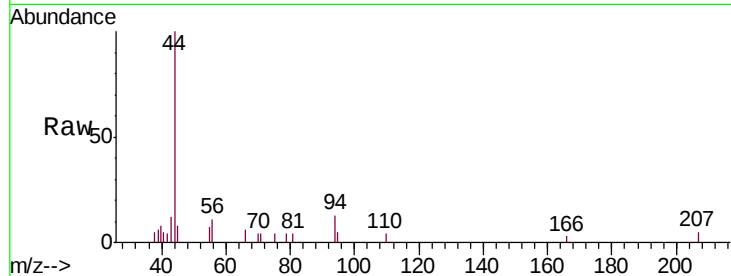
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 564

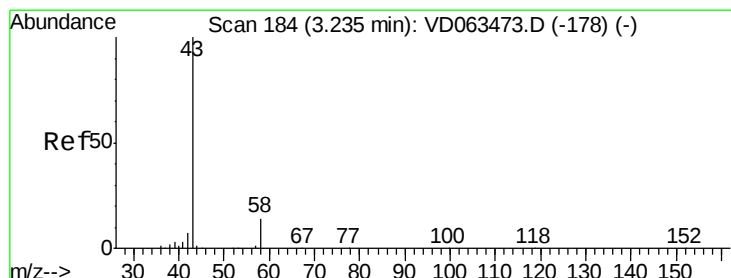
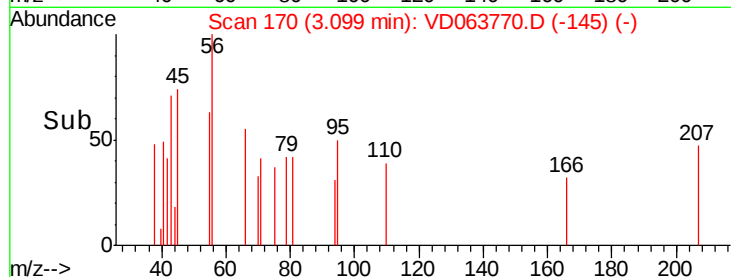
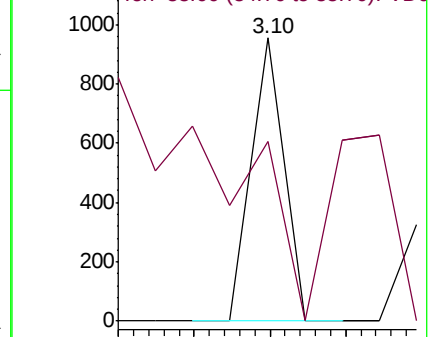
Ion Ratio Lower Upper

56 100

55 63.4 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.602 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063770.D

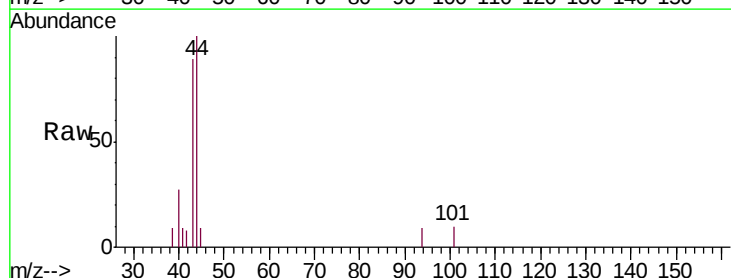
Acq: 23 Aug 2019 17:01

Tgt Ion: 43 Resp: 8895

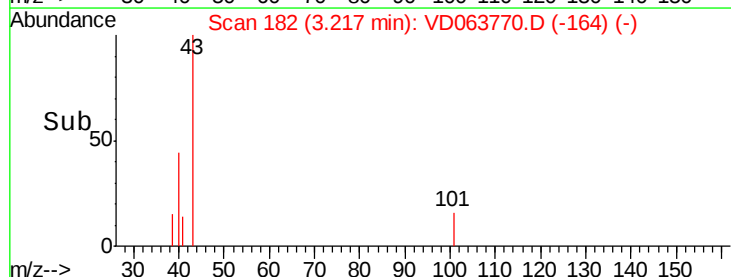
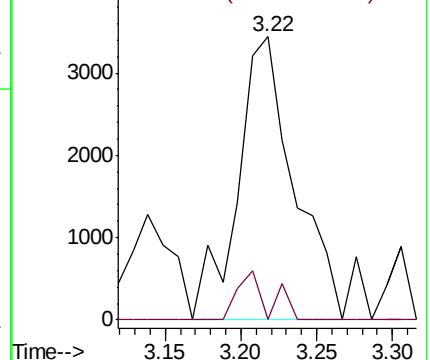
Ion Ratio Lower Upper

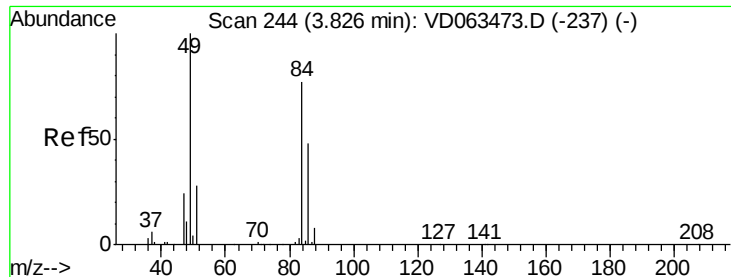
43 100

58 0.0 11.4 17.2#



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

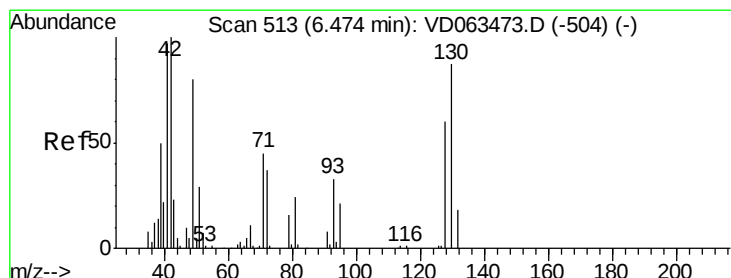
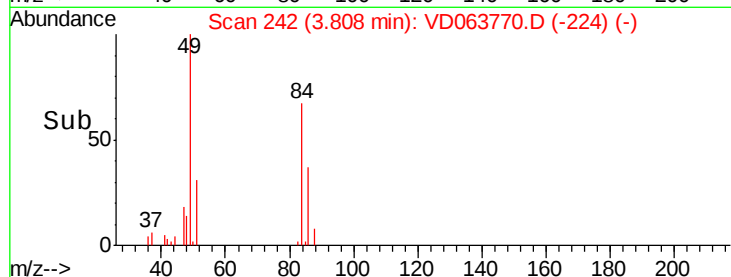
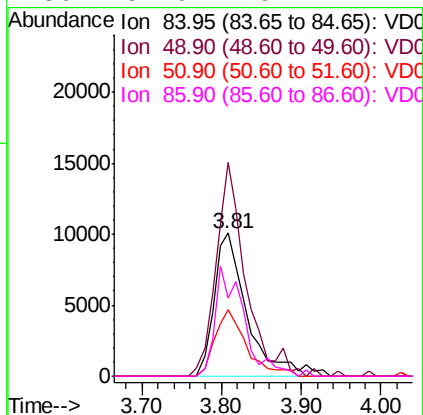
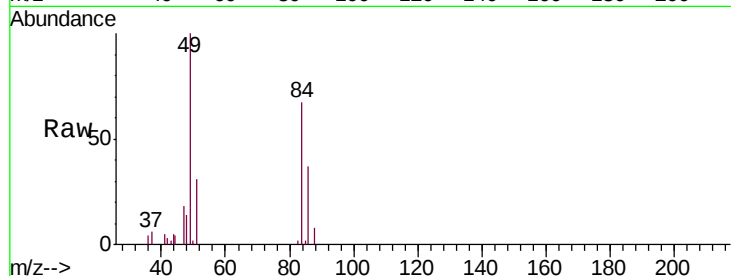




#20
Methvlene Chloride
Concen: 2.746 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

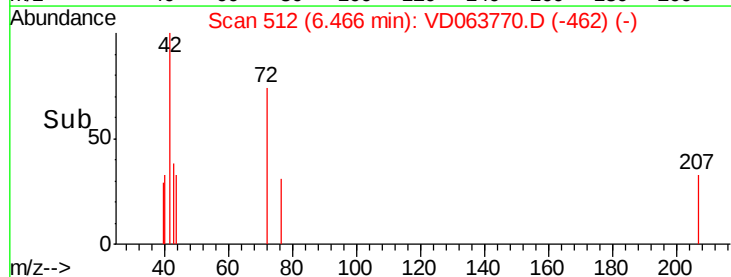
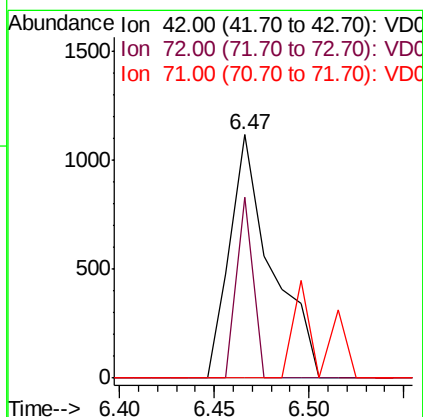
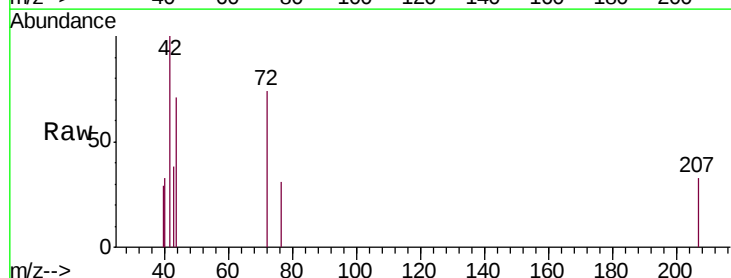
Instrument :
MSVOA_D
ClientSampleId :

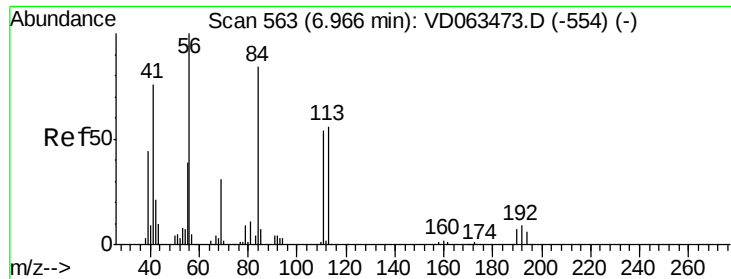
Tot Ion:	84	Resp:	29327
Ion	Ratio	Lower	Upper
84	100		
49	149.6	103.4	155.2
51	46.4	28.5	42.7#
86	54.9	49.4	74.2



#29
Tetrahydrofuran
Concen: 1.508 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Tgt Ion:	42	Resp:	1714
Ion	Ratio	Lower	Upper
42	100		
72	28.6	31.5	47.3#
71	0.0	33.8	50.8#

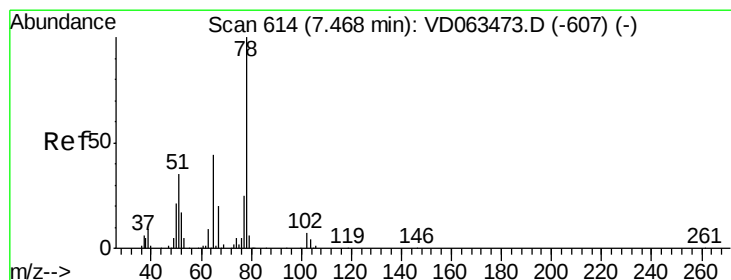
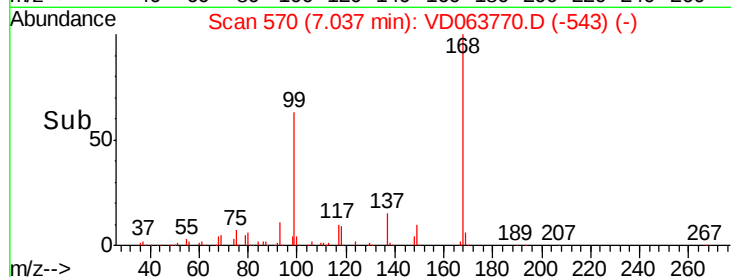
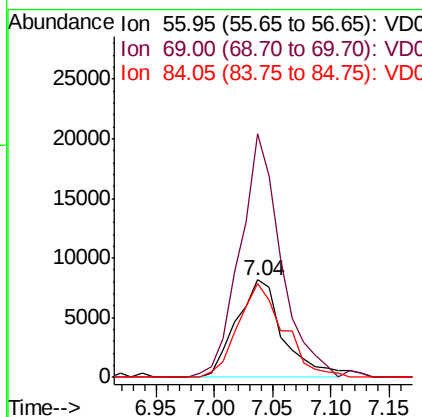
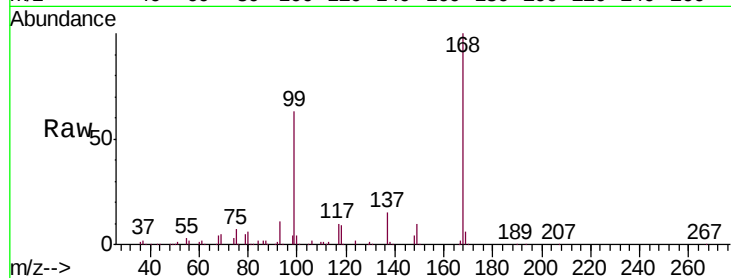




#31
Cyclohexane
Concen: 2.055 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

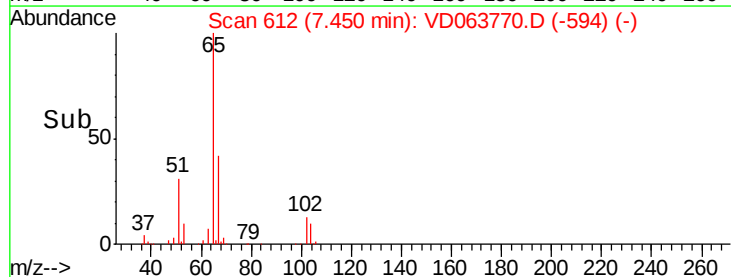
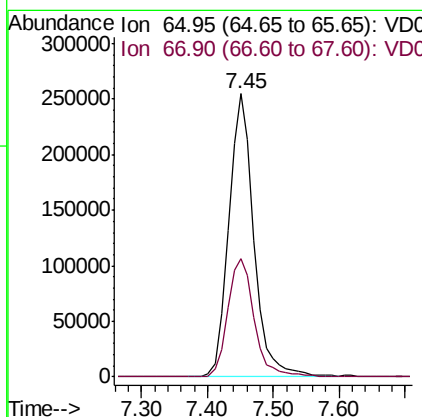
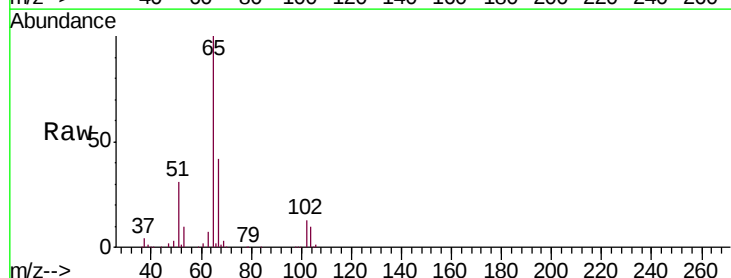
Instrument :
MSVOA_D
ClientSampled :

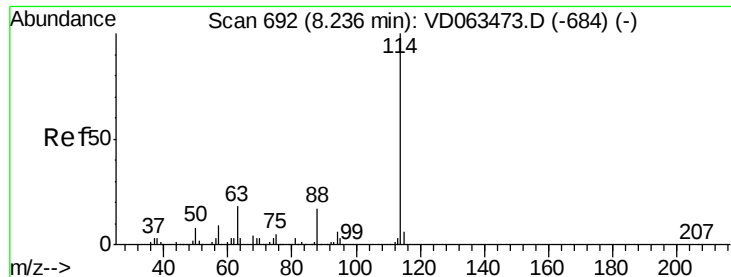
Tot Ion: 56 Resp: 22547
Ion Ratio Lower Upper
56 100
69 250.7 25.0 37.6#
84 97.0 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 55.790 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Tgt Ion: 65 Resp: 677775
Ion Ratio Lower Upper
65 100
67 41.7 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

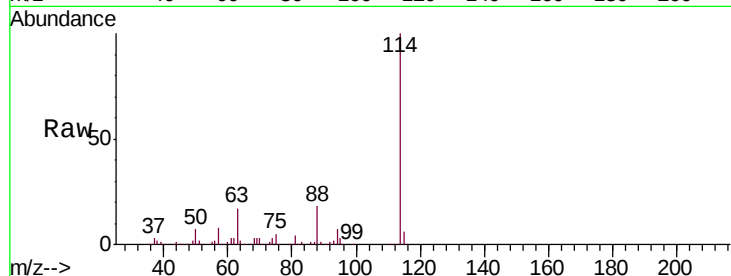
Tot Ion:114 Resp: 1590987

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.2

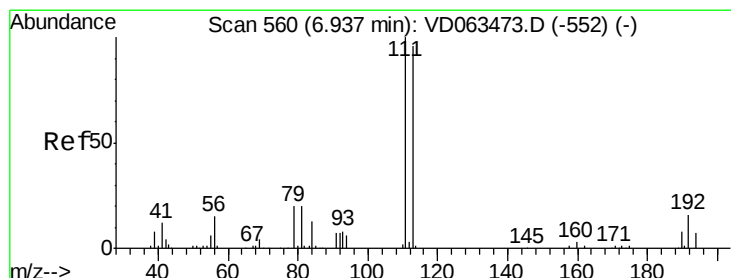
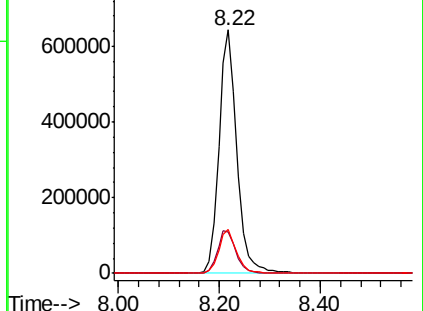
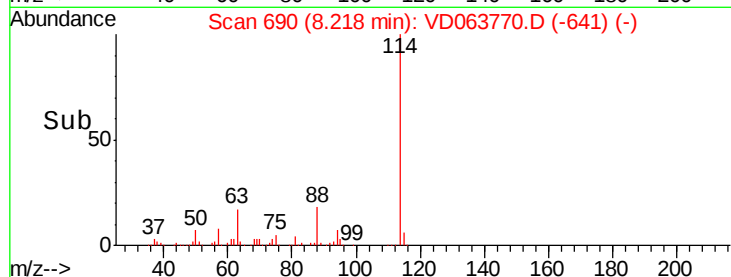
88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 58.826 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

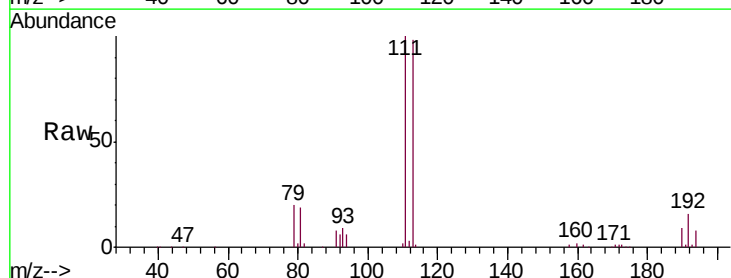
Tgt Ion:113 Resp: 788238

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

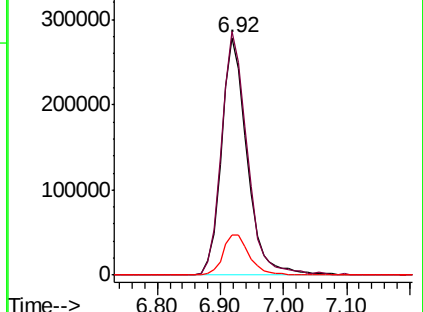
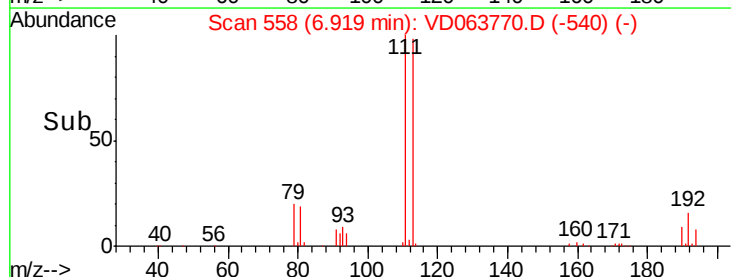
192 16.7 13.1 19.7

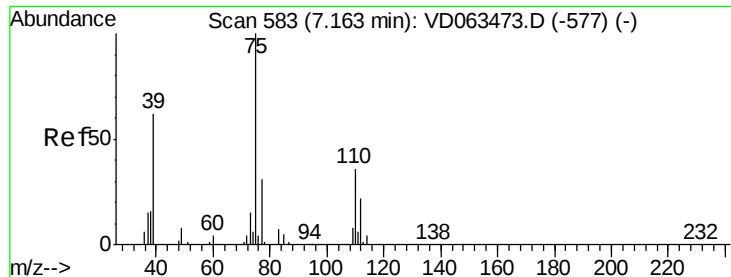


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.822 ug/l

RT: 7.05 min Scan# 571

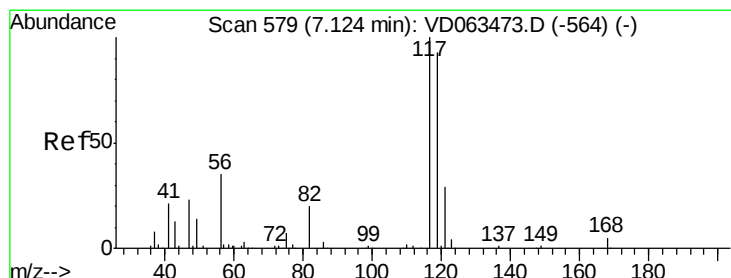
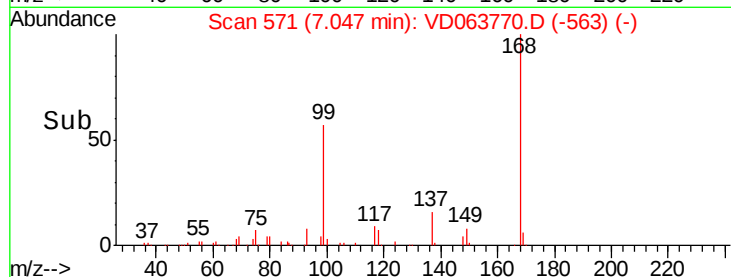
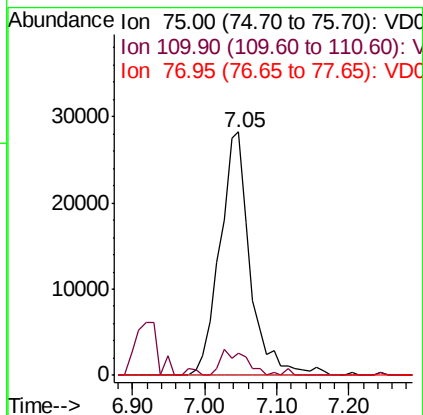
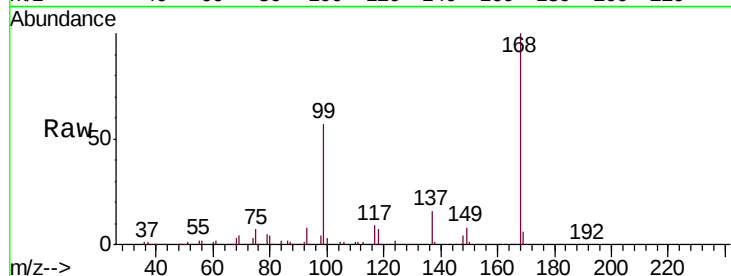
Delta R.T. -0.12 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	81891
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.6	52.8#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 5.049 ug/l

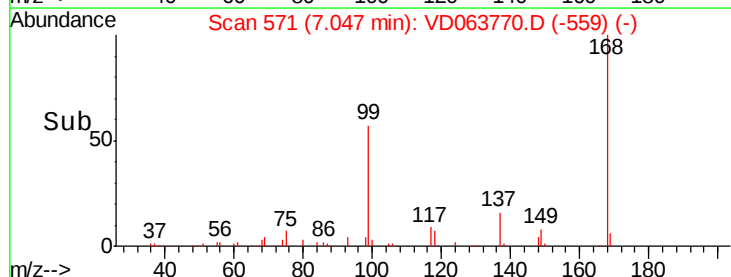
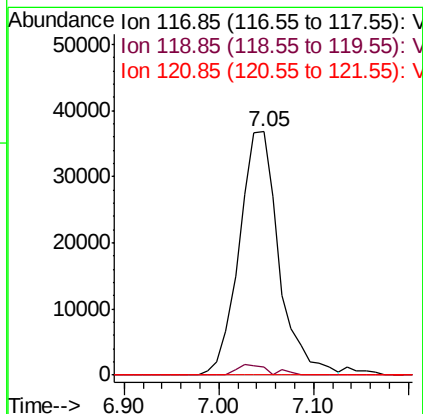
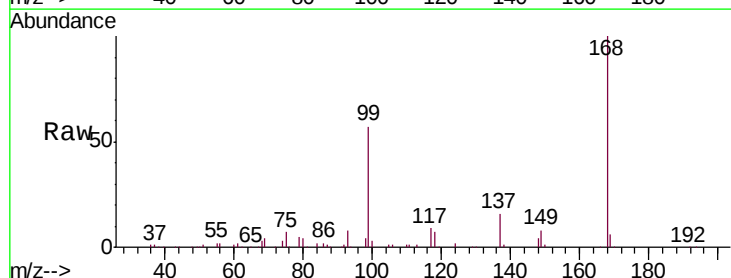
RT: 7.05 min Scan# 571

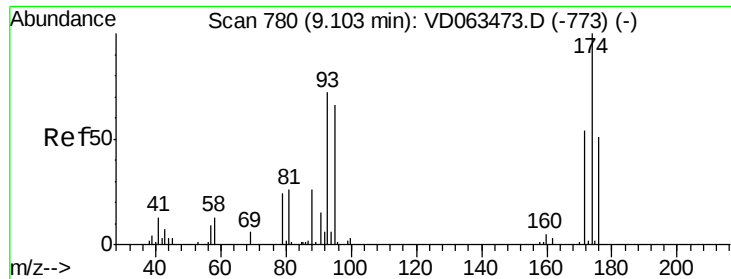
Delta R.T. -0.08 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

Tgt Ion:	117	Resp:	107033
Ion	Ratio	Lower	Upper
117	100		
119	3.3	74.2	111.2#
121	0.0	23.1	34.7#

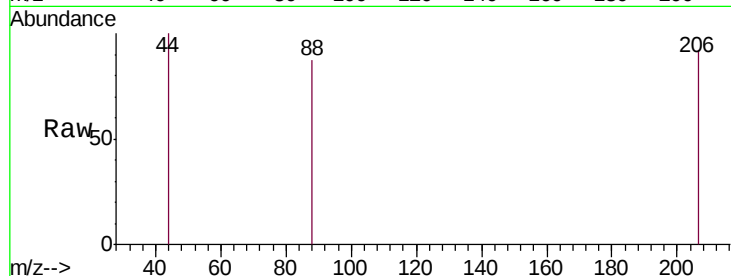




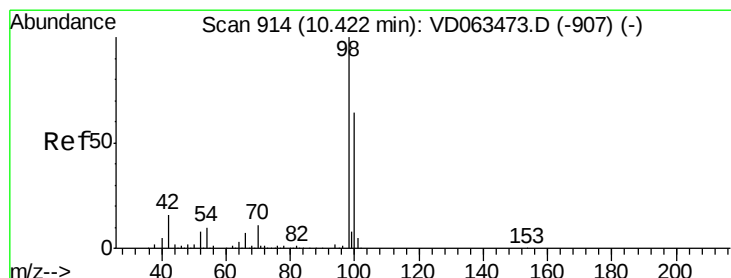
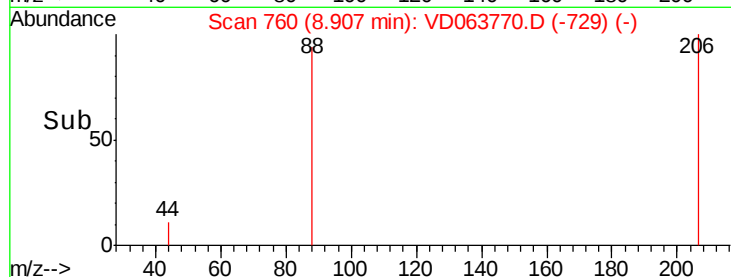
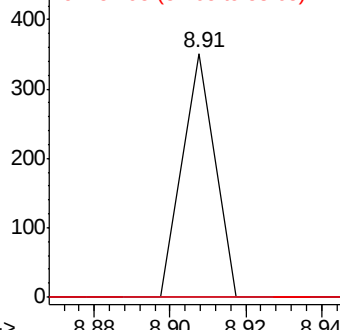
#49
1,4-Dioxane
Concen: 28.963 ug/l
RT: 8.91 min Scan# 760
Delta R.T. -0.19 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 40.1 60.1#

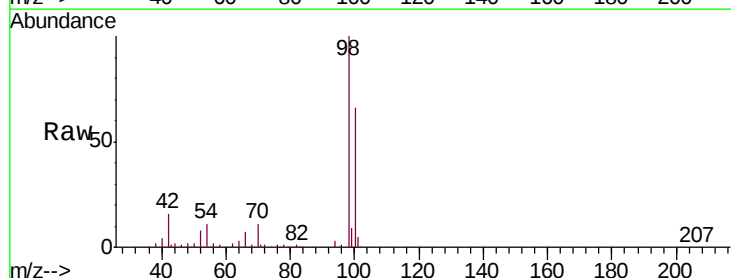


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

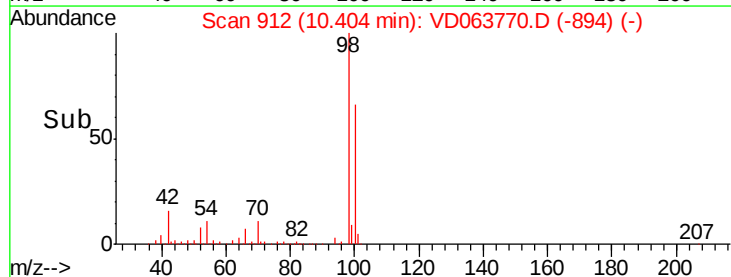
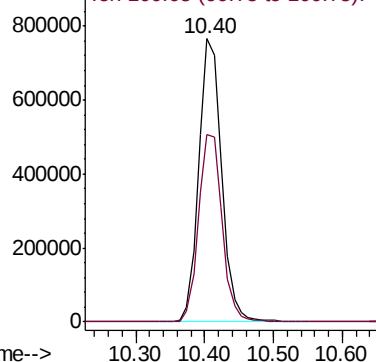


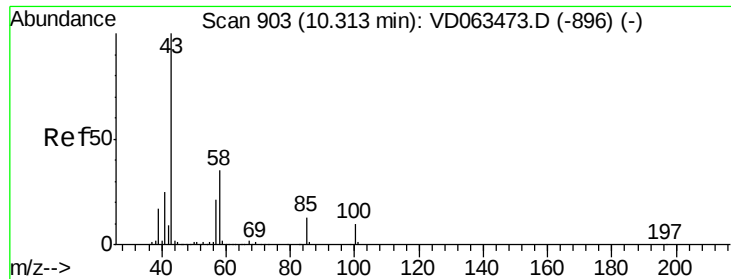
#50
Toluene-d8
Concen: 59.818 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Tgt Ion: 98 Resp: 1762195
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



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: 2.071 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

Instrument :

MSVOA_D

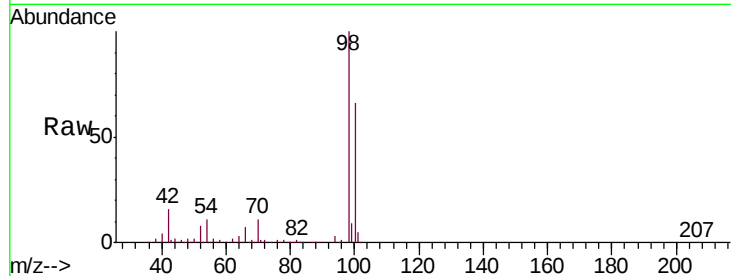
ClientSampleId :

Tot Ion: 43 Resp: 11188

Ion Ratio Lower Upper

43 100

58 98.6 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.40

6000

5000

4000

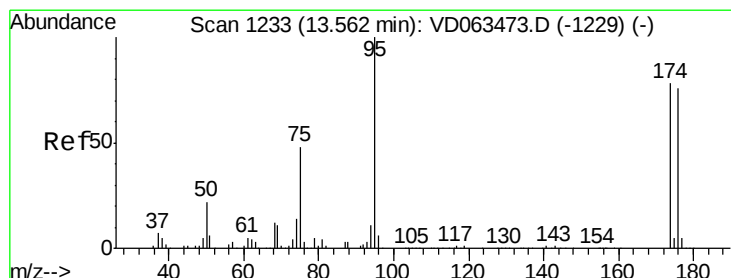
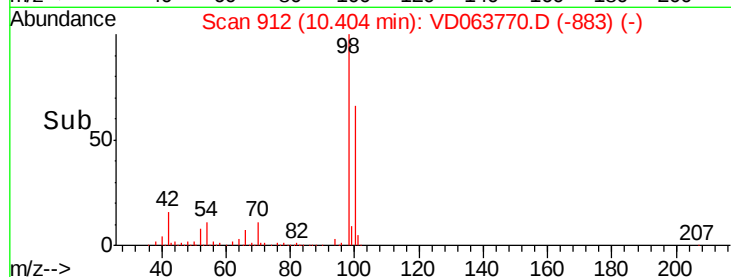
3000

2000

1000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.810 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

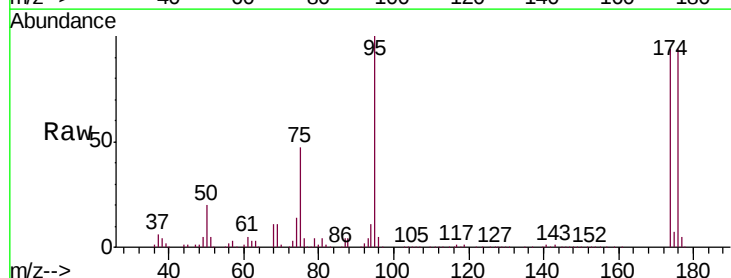
Tgt Ion: 95 Resp: 691781

Ion Ratio Lower Upper

95 100

174 94.1 0.0 155.4

176 93.7 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

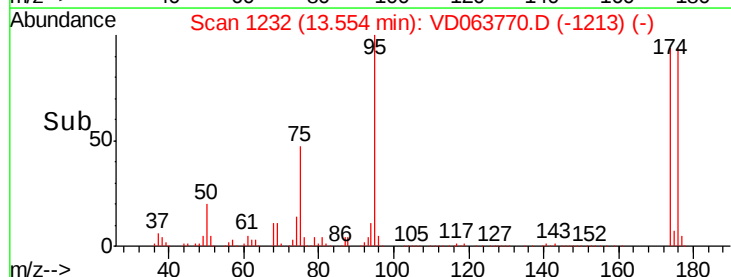
600000

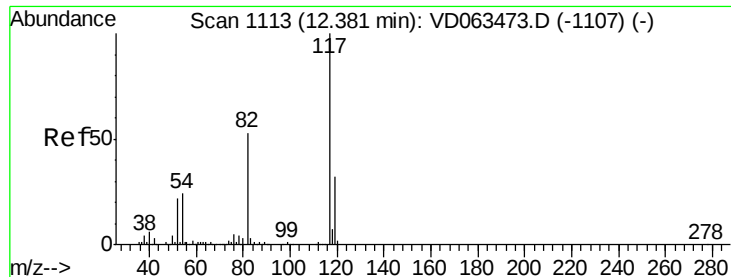
400000

200000

0

Time-->

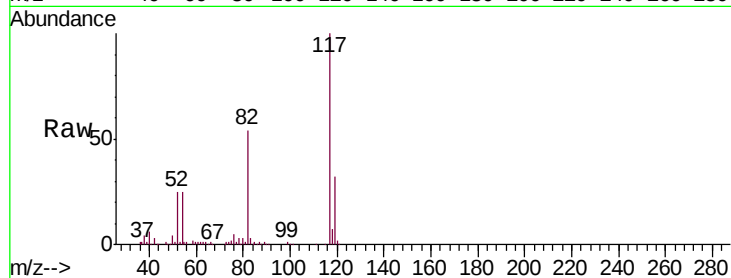




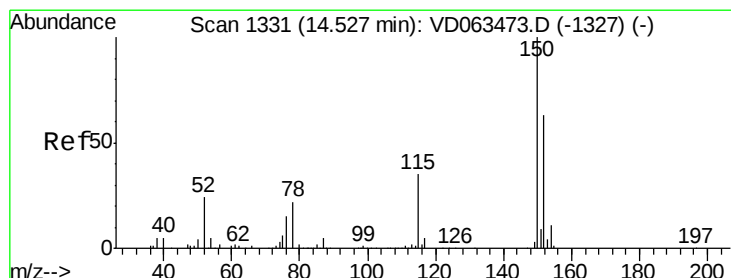
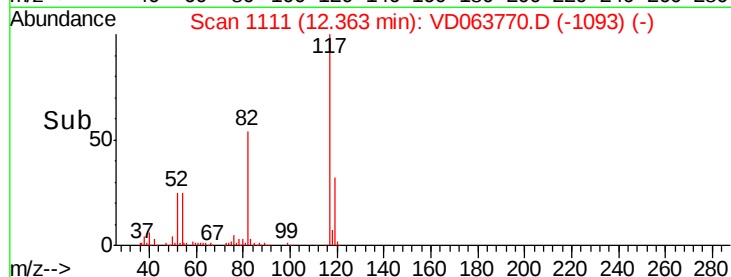
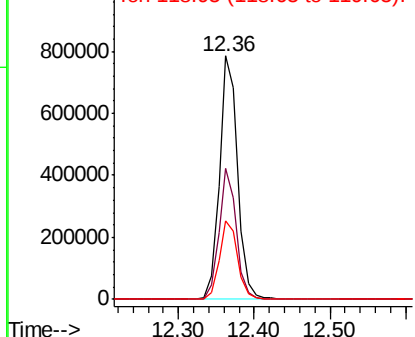
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1309443
Ion Ratio Lower Upper
117 100
82 53.7 42.0 63.0
119 32.5 25.4 38.0

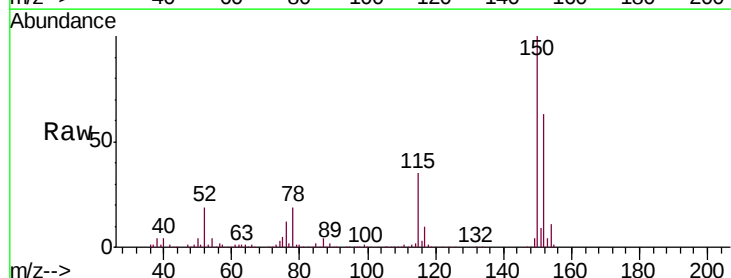


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

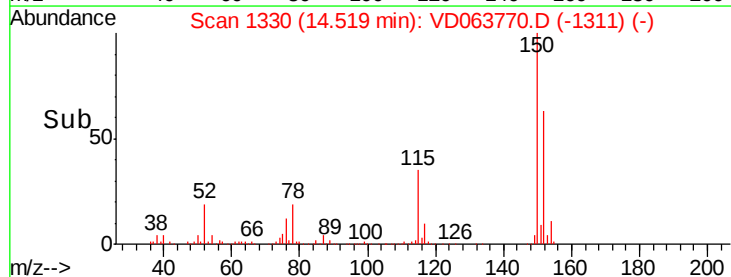
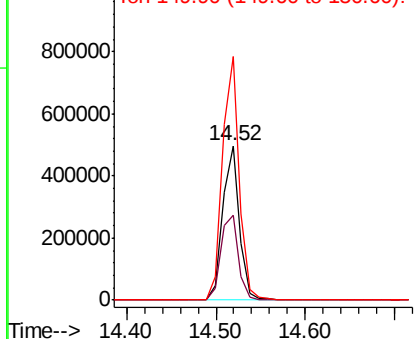


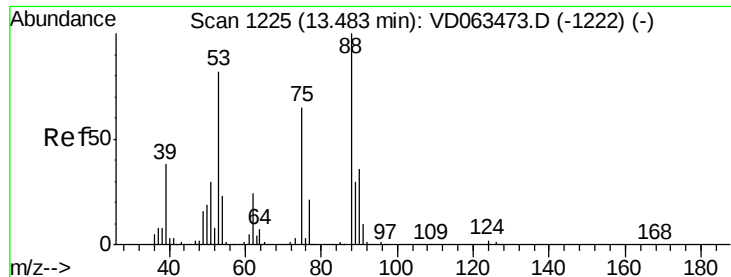
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063770.D
Acq: 23 Aug 2019 17:01

Tgt Ion:152 Resp: 656010
Ion Ratio Lower Upper
152 100
115 54.9 30.9 92.7
150 157.9 0.0 318.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 156.682 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063770.D

Acq: 23 Aug 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 317054

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

