

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063713.D
 Acq On : 21 Aug 2019 15:20
 Operator : JC/SY
 Sample : K4386-15
 Misc : 5.97g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(0)

Quant Time: Aug 22 01:27:04 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	980235	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1412893	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	968045	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	390608	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	608256	58.05	ug/l	-0.01
Spiked Amount			Recovery	=	116.10%	
35) Dibromofluoromethane	6.92	113	696656	58.55	ug/l	-0.01
Spiked Amount			Recovery	=	117.10%	
50) Toluene-d8	10.42	98	1327852	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	13.56	95	408119	34.42	ug/l	0.00
Spiked Amount			Recovery	=	68.84%	

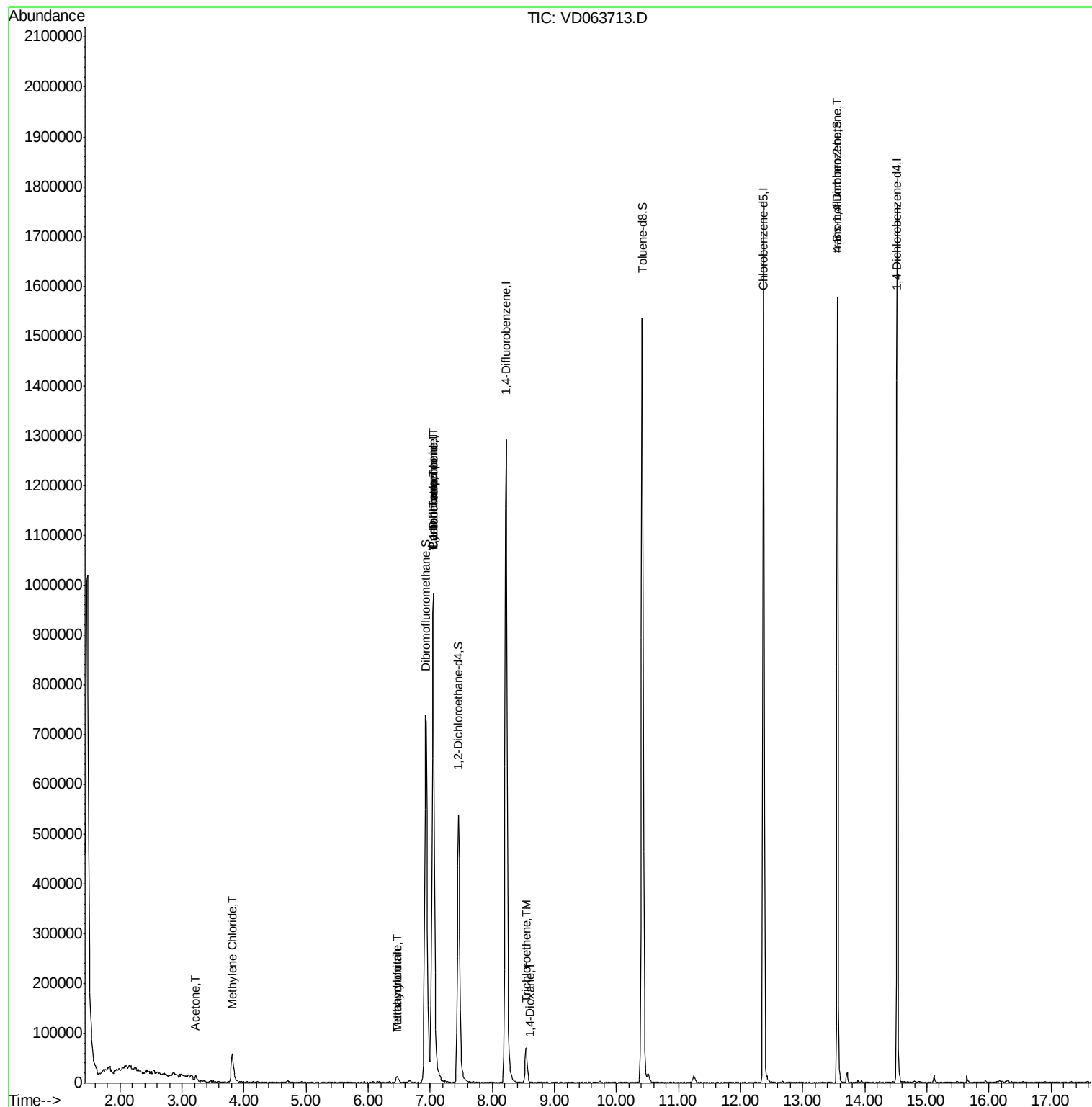
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	17826	8.369	ug/l	99
20) Methylene Chloride	3.81	84	36733	3.988	ug/l	94
29) Tetrahydrofuran	6.48	42	10903	11.123	ug/l	98
31) Cyclohexane	7.05	56	20431	2.160	ug/l #	18
36) 1,1-Dichloropropene	7.04	75	70598	5.652	ug/l #	49
38) Carbon Tetrachloride	7.05	117	98044	5.208	ug/l #	17
41) Methacrylonitrile	6.47	41	6634	1.007	ug/l #	80
44) Trichloroethene	8.55	130	33008	3.142	ug/l	71
49) 1,4-Dioxane	8.62	88	215	29.679	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	184303	152.964	ug/l #	1

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

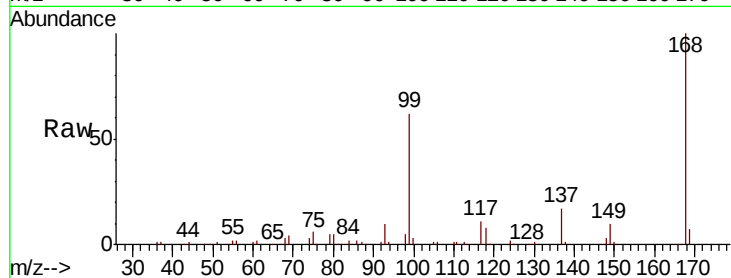
T6-A4-(0)

Tgt Ion:168 Resp: 980235

Ion Ratio Lower Upper

168 100

99 61.6 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

300000

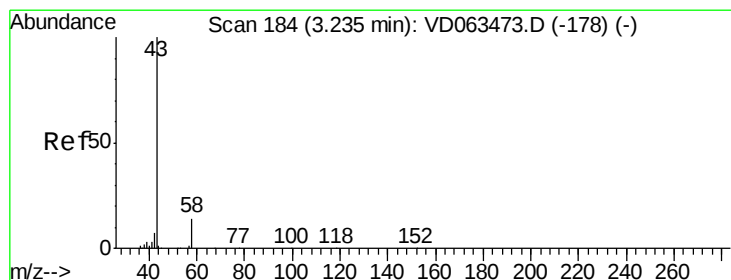
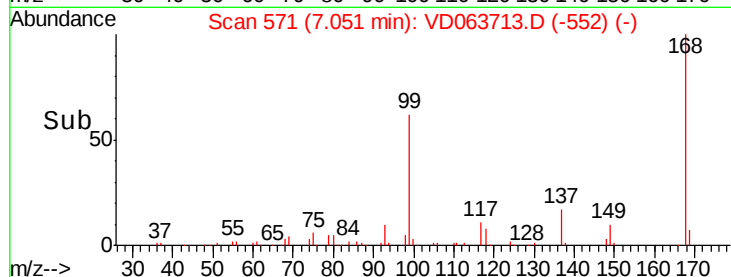
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#16

Acetone

Concen: 8.369 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063713.D

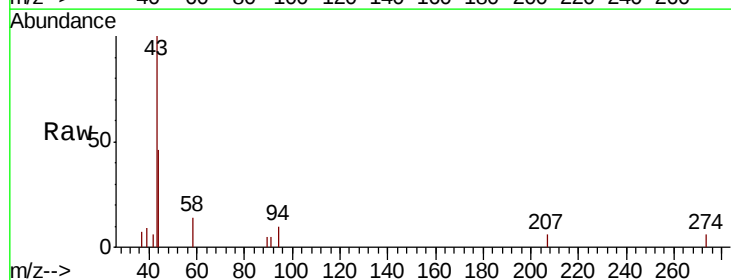
Acq: 21 Aug 2019 15:20

Tgt Ion: 43 Resp: 17826

Ion Ratio Lower Upper

43 100

58 13.9 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

8000

6000

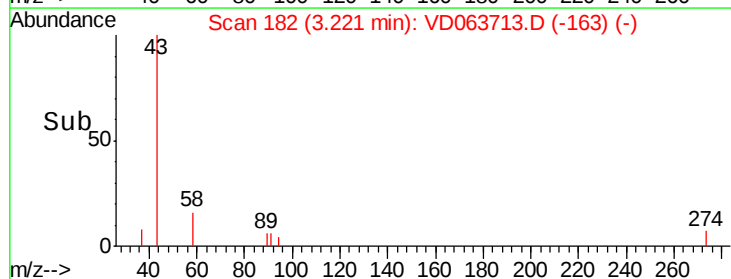
4000

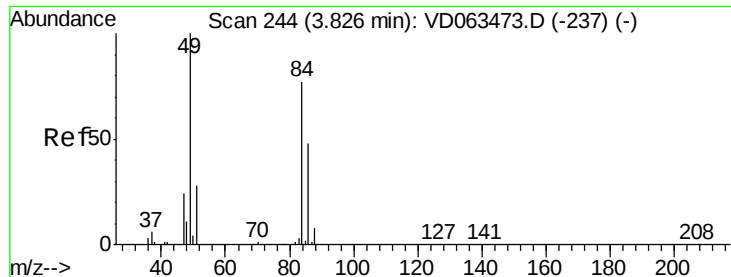
2000

0

3.10 3.20 3.30

Time-->

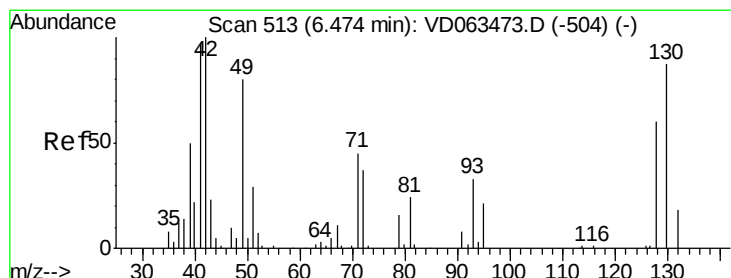
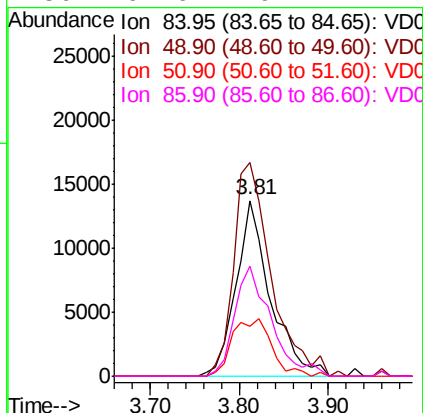
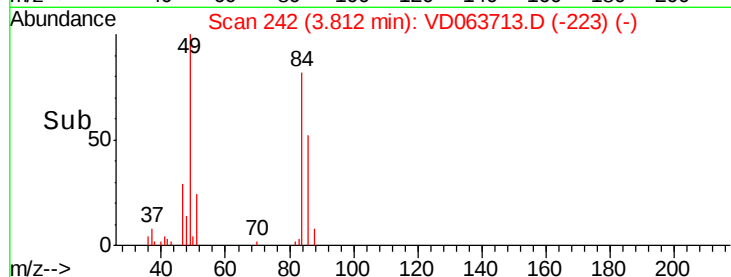
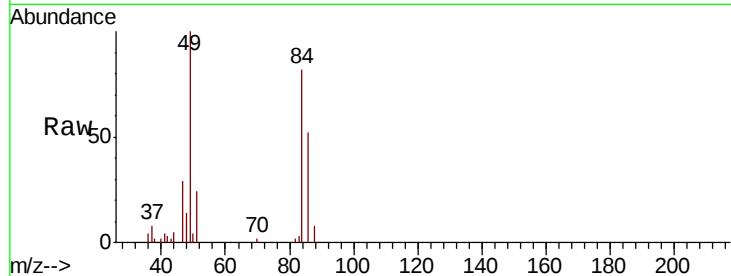




#20
Methylene Chloride
Concen: 3.988 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063713.D
Acq: 21 Aug 2019 15:20

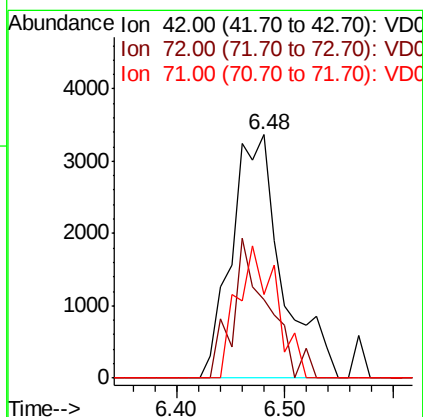
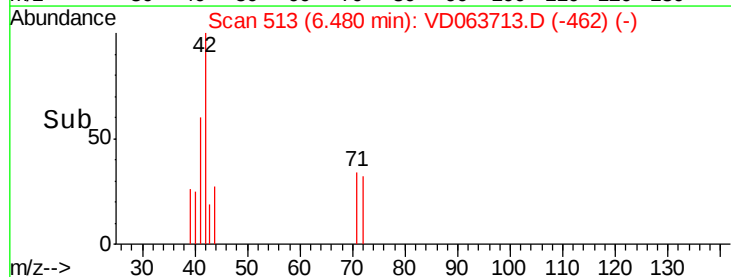
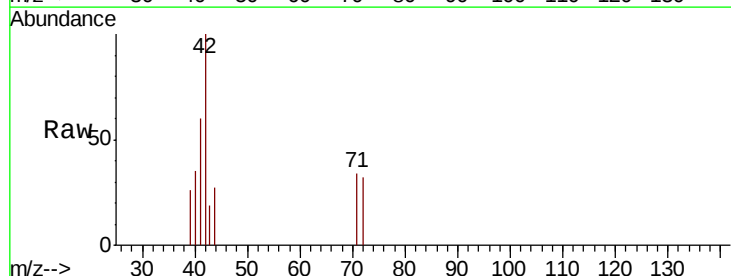
Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(0)

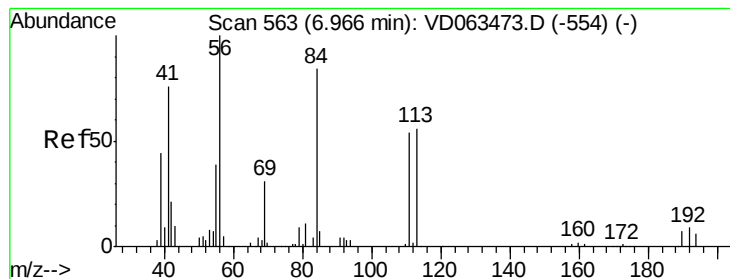
Tgt Ion: 84 Resp: 36733
Ion Ratio Lower Upper
84 100
49 121.4 103.4 155.2
51 28.6 28.5 42.7
86 62.6 49.4 74.2



#29
Tetrahydrofuran
Concen: 11.123 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD063713.D
Acq: 21 Aug 2019 15:20

Tgt Ion: 42 Resp: 10903
Ion Ratio Lower Upper
42 100
72 41.0 31.5 47.3
71 41.9 33.8 50.8





#31

Cyclohexane

Concen: 2.160 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(0)

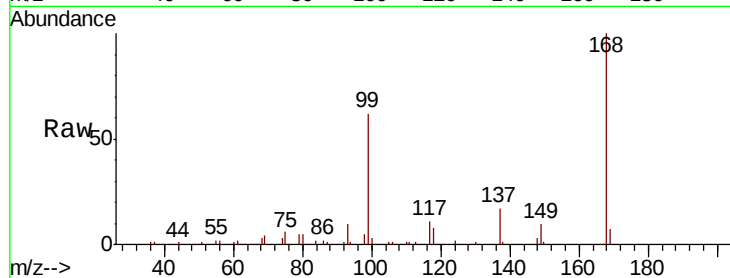
Tgt Ion: 56 Resp: 20431

Ion Ratio Lower Upper

56 100

69 196.6 25.0 37.6#

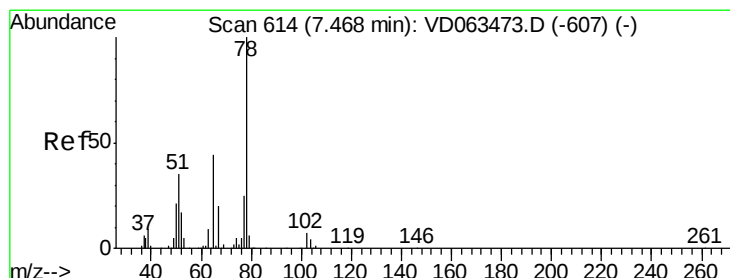
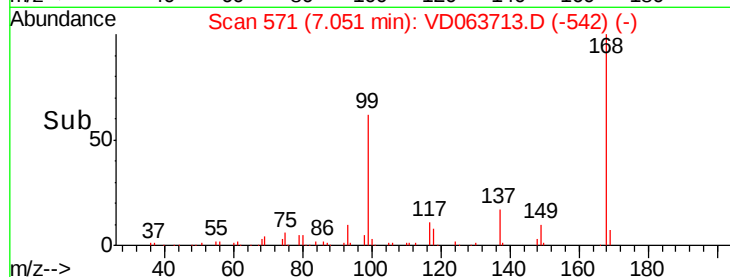
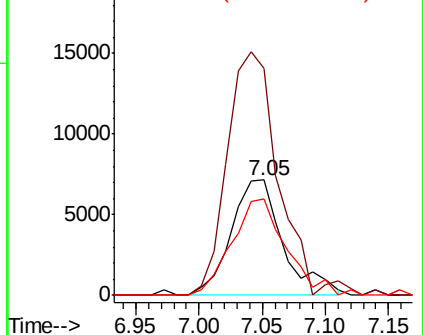
84 83.2 69.7 104.5



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



#33

1,2-Dichloroethane-d4

Concen: 58.051 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063713.D

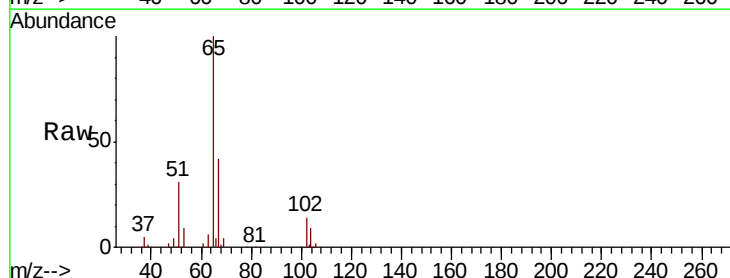
Acq: 21 Aug 2019 15:20

Tgt Ion: 65 Resp: 608256

Ion Ratio Lower Upper

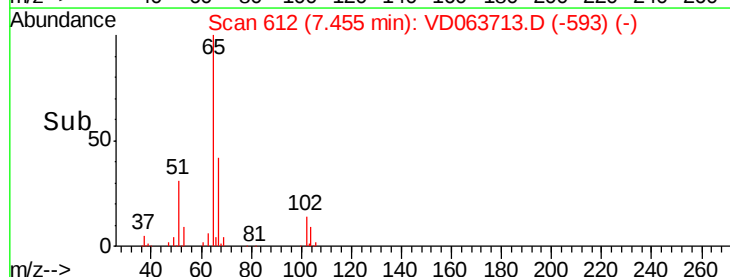
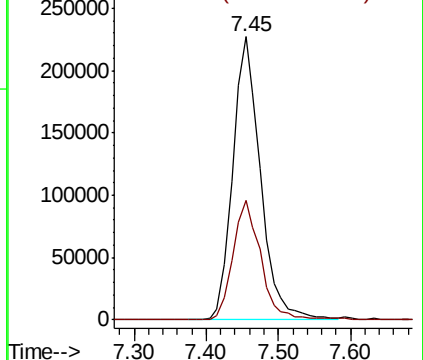
65 100

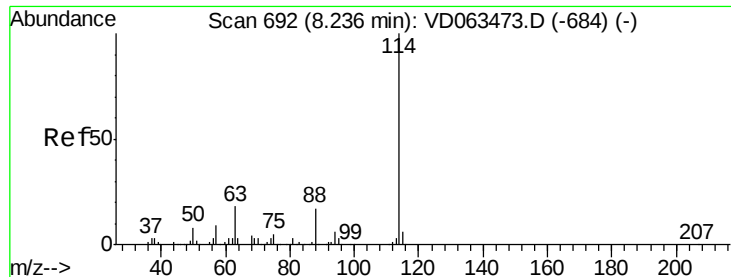
67 42.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(0)

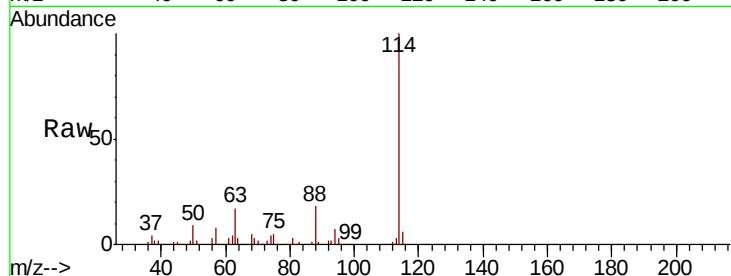
Tgt Ion:114 Resp: 1412893

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.2

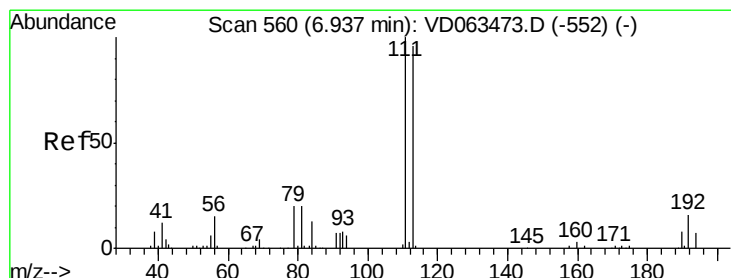
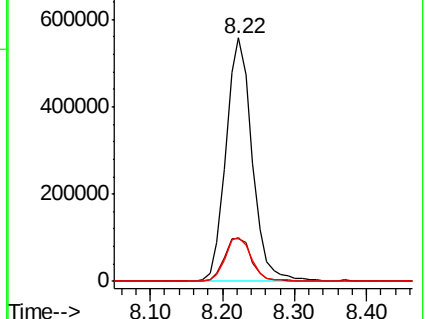
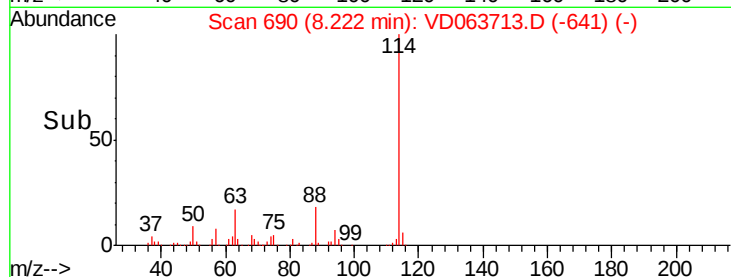
88 18.0 0.0 35.0



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: 58.545 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

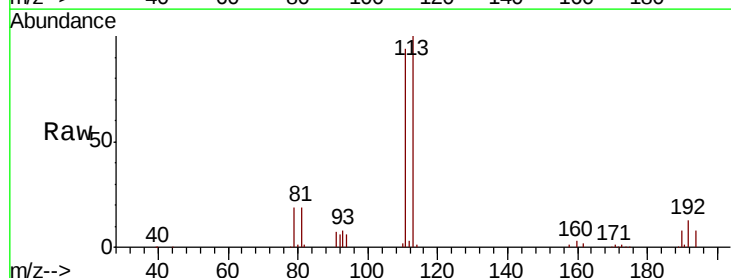
Tgt Ion:113 Resp: 696656

Ion Ratio Lower Upper

113 100

111 94.4 83.1 124.7

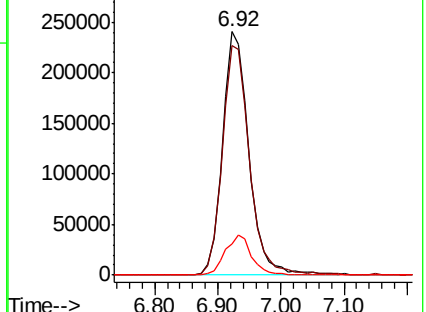
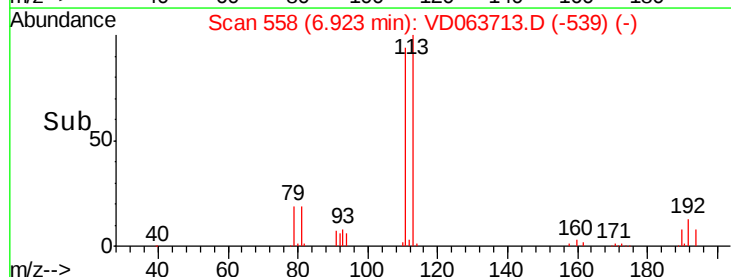
192 13.0 13.1 19.7#

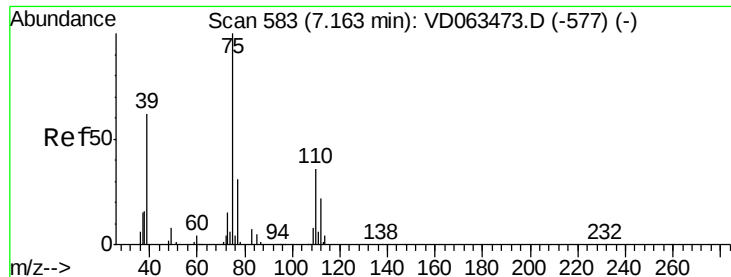


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

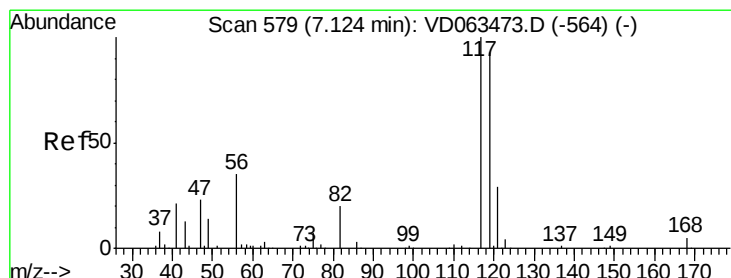
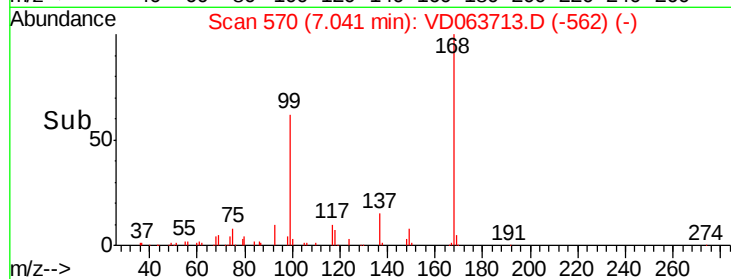
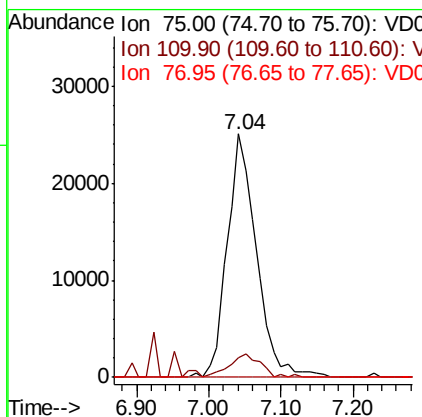
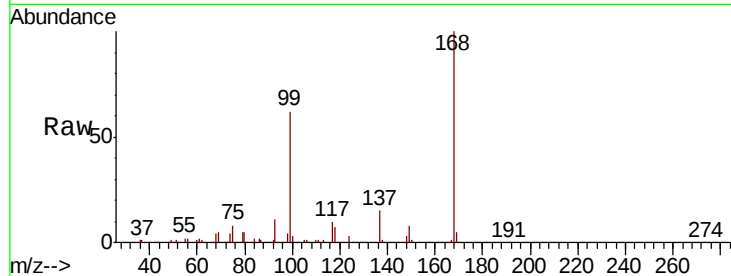




#36
 1,1-Dichloropropene
 Concen: 5.652 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063713.D
 Acq: 21 Aug 2019 15:20

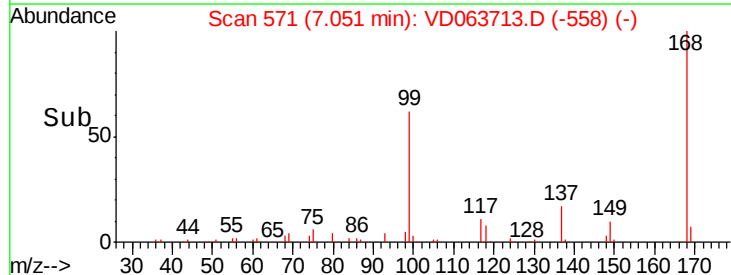
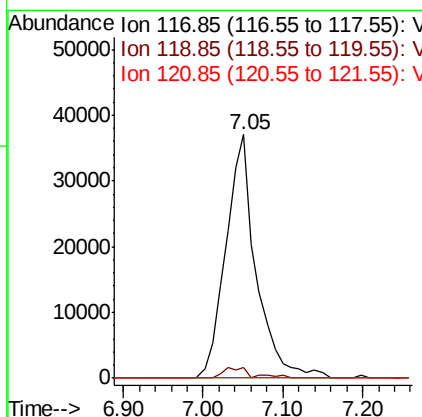
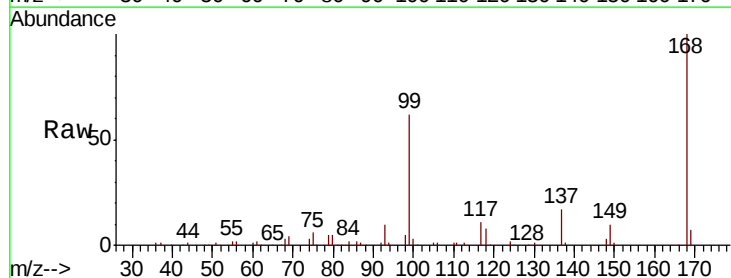
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(0)

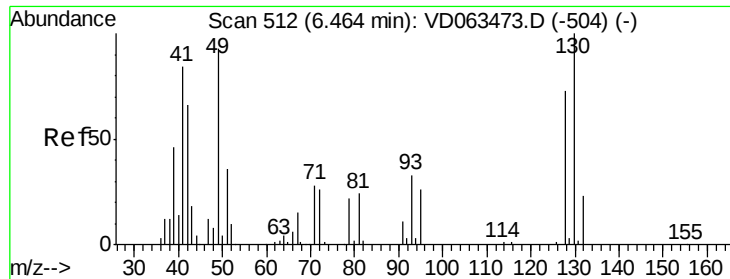
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.208 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063713.D
 Acq: 21 Aug 2019 15:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.2	111.2#
121	0.0	23.1	34.7#





#41

Methacrylonitrile

Concen: 1.007 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(0)

Tgt Ion: 41 Resp: 6634

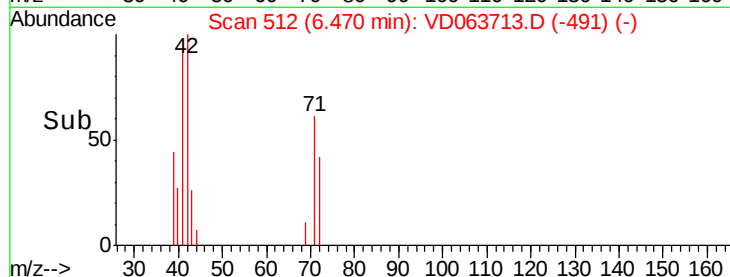
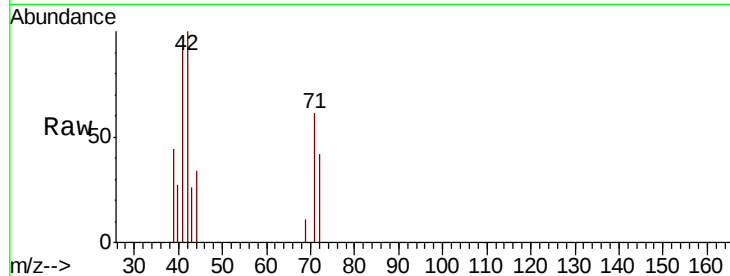
Ion Ratio Lower Upper

41 100

39 47.6 44.6 66.8

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

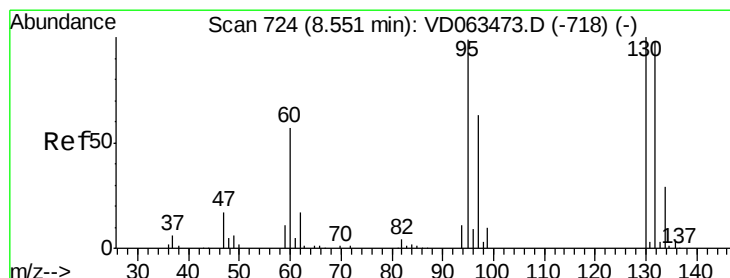
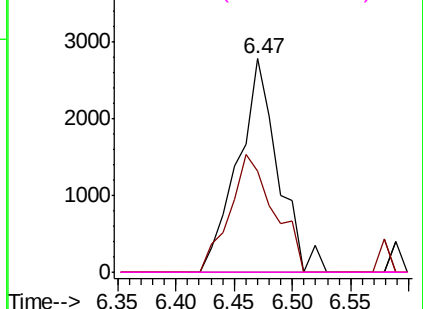


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#44

Trichloroethene

Concen: 3.142 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063713.D

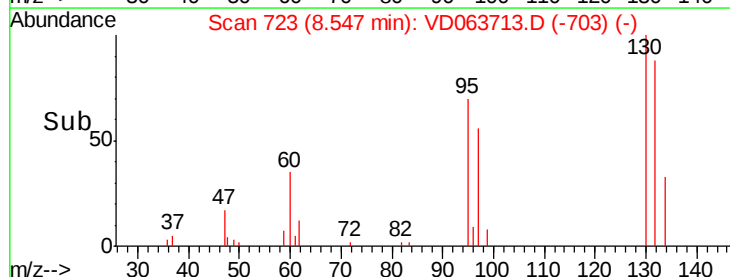
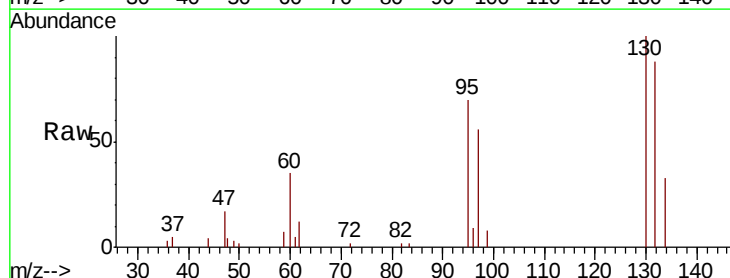
Acq: 21 Aug 2019 15:20

Tgt Ion: 130 Resp: 33008

Ion Ratio Lower Upper

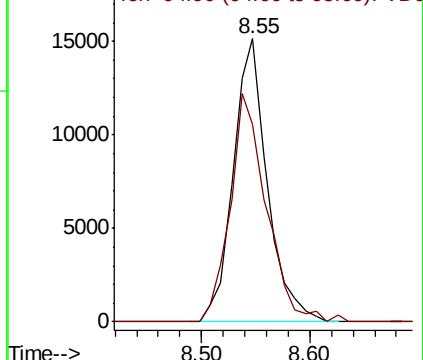
130 100

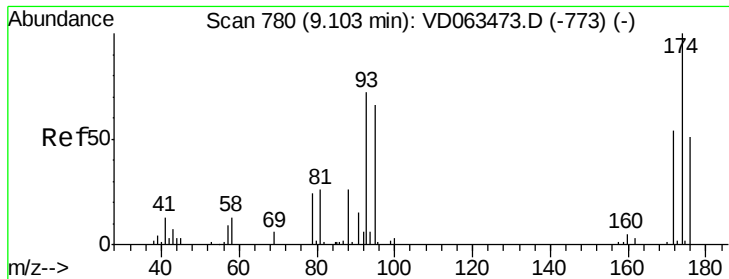
95 70.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

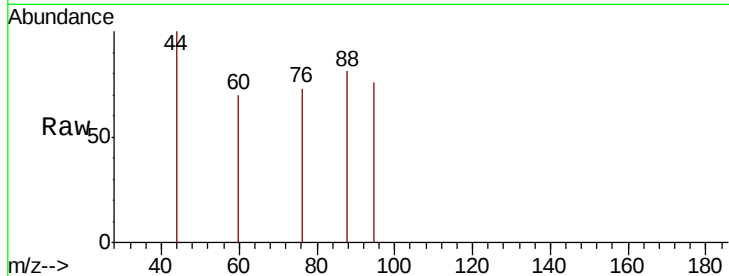




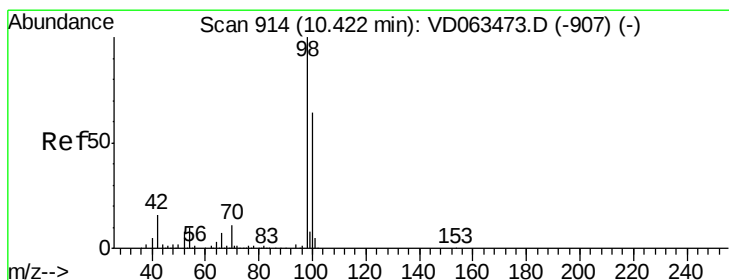
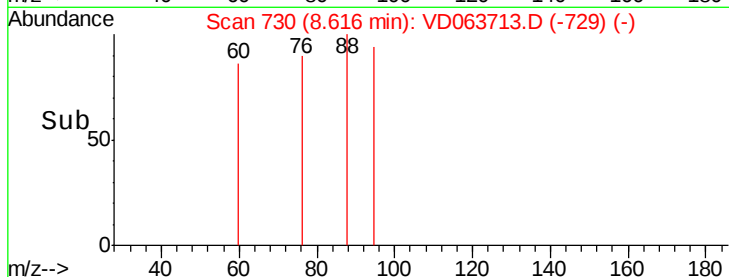
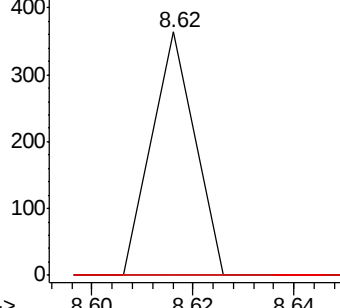
#49
 1,4-Dioxane
 Concen: 29.679 ug/l
 RT: 8.62 min Scan# 730
 Delta R.T. -0.49 min
 Lab File: VD063713.D
 Acq: 21 Aug 2019 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(0)

Tgt Ion: 88 Resp: 215
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#

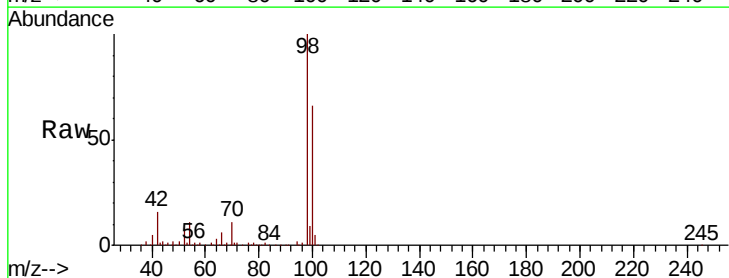


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

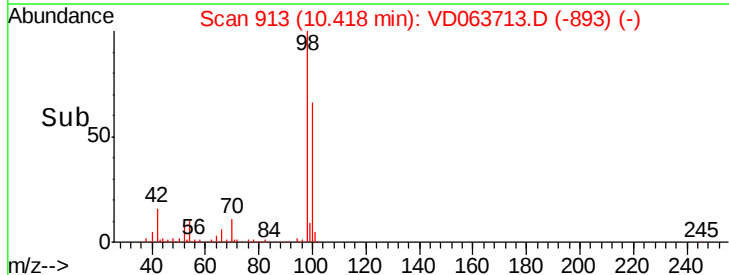
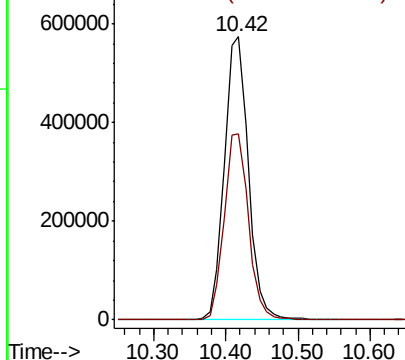


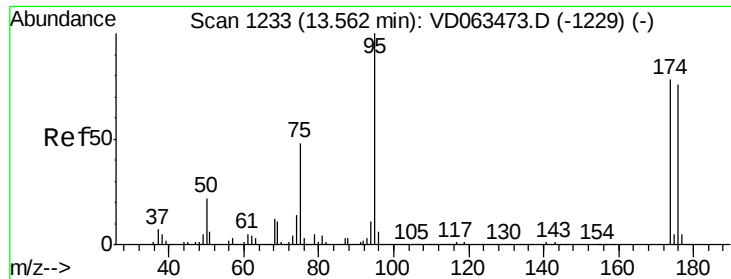
#50
 Toluene-d8
 Concen: 50.756 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD063713.D
 Acq: 21 Aug 2019 15:20

Tgt Ion: 98 Resp: 1327852
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 34.419 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

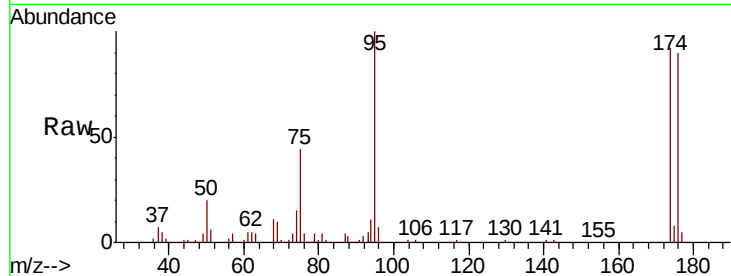
Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(0)

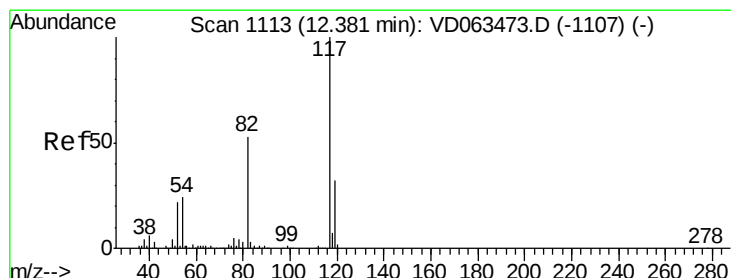
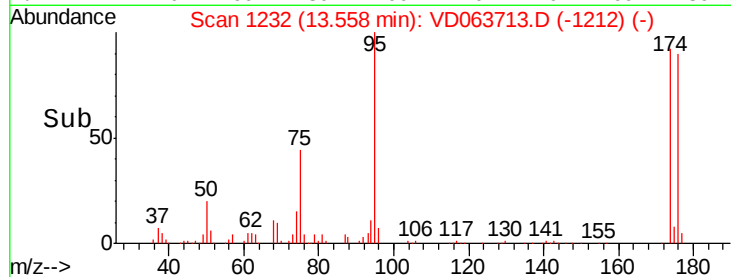
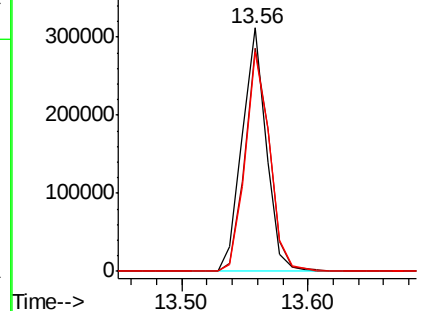
Tgt Ion:	95	Resp:	408119
Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	155.4
176	89.9	0.0	152.4



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: 50.000 ug/l

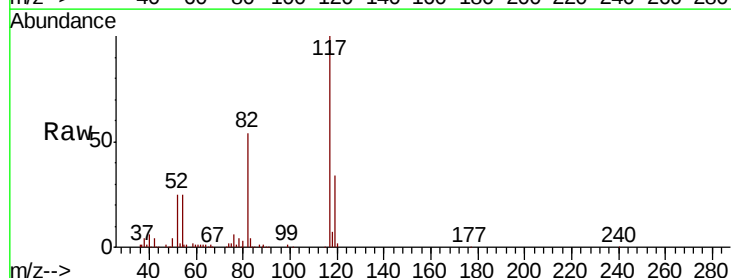
RT: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

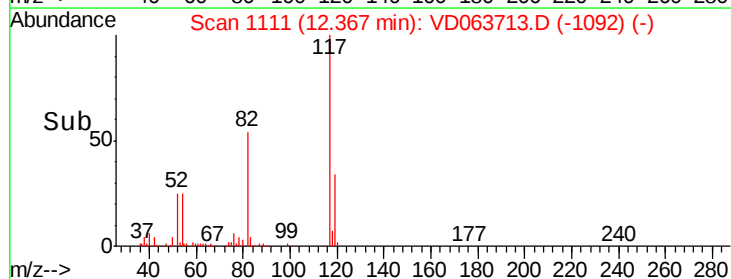
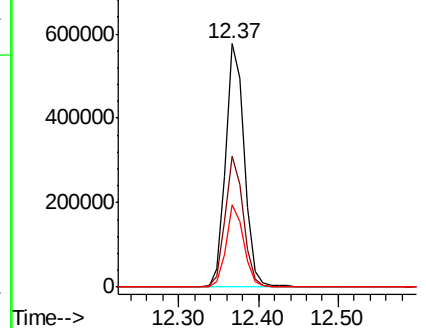
Tgt Ion:	117	Resp:	968045
Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.0	63.0
119	33.9	25.4	38.0

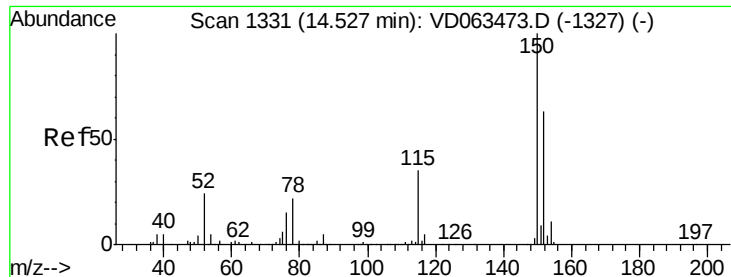


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(0)

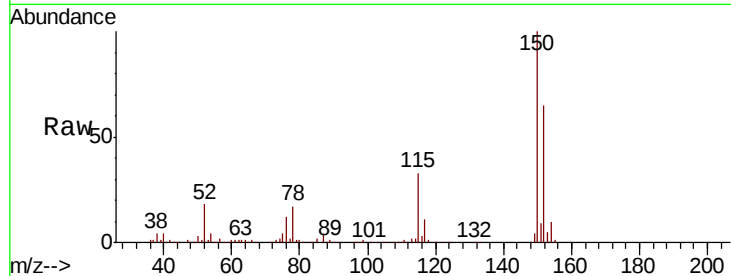
Tgt Ion:152 Resp: 390608

Ion Ratio Lower Upper

152 100

115 51.5 30.9 92.7

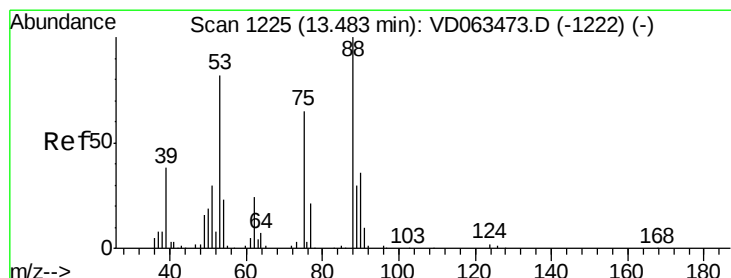
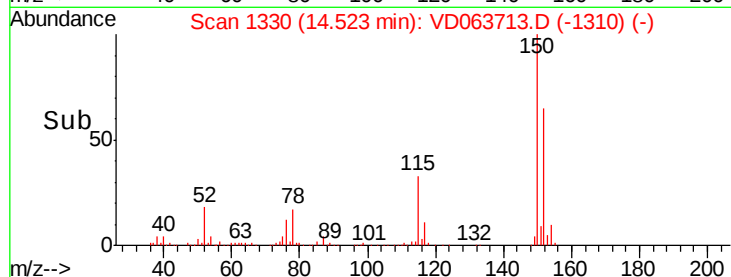
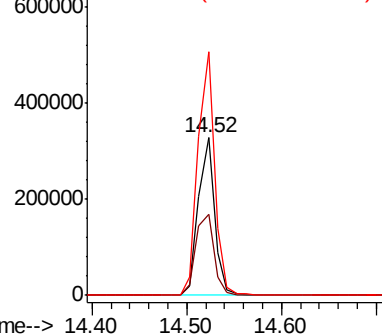
150 154.5 0.0 318.6



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: 152.964 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063713.D

Acq: 21 Aug 2019 15:20

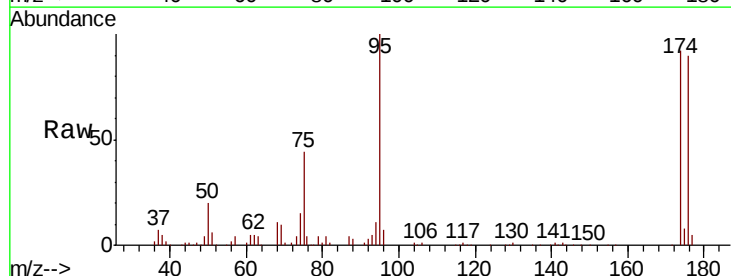
Tgt Ion: 75 Resp: 184303

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

