

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063633.D
 Acq On : 16 Aug 2019 13:05
 Operator : JC/SY
 Sample : K43546-05RE
 Misc : 2.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

Quant Time: Aug 17 06:00:32 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	7.04	168	846664	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1184581	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	671764	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	198992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	499055	55.14	ug/l	-0.03
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	6.91	113	541794	54.31	ug/l	-0.03
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	10.39	98	977318	44.56	ug/l	-0.03
Spiked Amount			Recovery	=	89.12%	
62) 4-Bromofluorobenzene	13.54	95	255965	25.75	ug/l	-0.02
Spiked Amount			Recovery	=	51.50%	

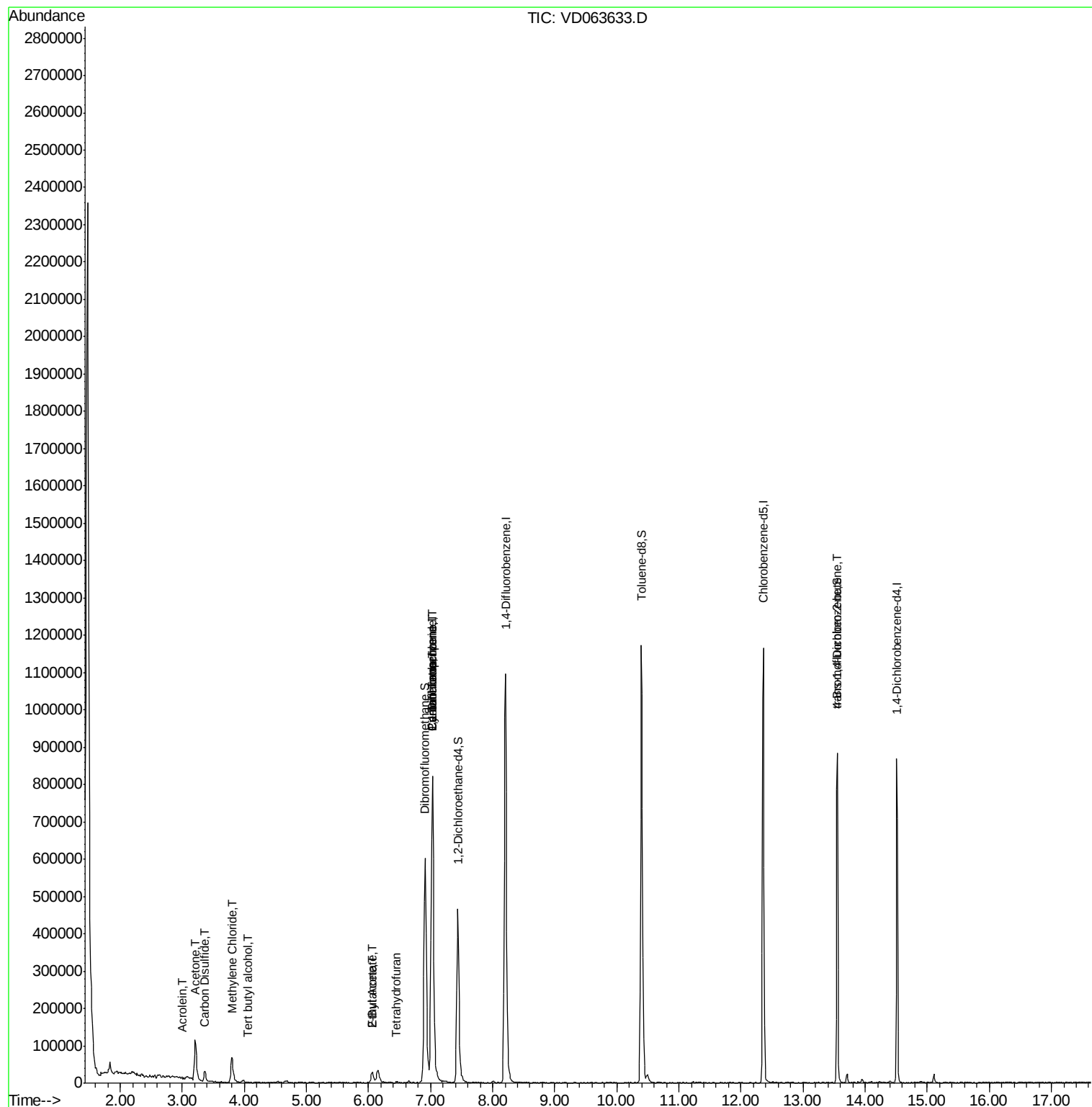
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	965	2.449	ug/l #	71
13) Acrolein	3.01	56	705	1.818	ug/l #	42
16) Acetone	3.21	43	212852	115.698	ug/l	95
17) Carbon Disulfide	3.36	76	47085	2.181	ug/l	100
20) Methylene Chloride	3.80	84	39812	5.005	ug/l	93
25) 2-Butanone	6.06	43	57228	31.496	ug/l	92
29) Tetrahydrofuran	6.45	42	1708	2.017	ug/l #	35
31) Cyclohexane	7.03	56	19442	2.379	ug/l #	40
36) 1,1-Dichloropropene	7.03	75	65828	6.286	ug/l #	48
37) Ethyl Acetate	6.06	43	52878	12.050	ug/l #	73
38) Carbon Tetrachloride	7.03	117	78172	4.953	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	119757	195.102	ug/l #	1

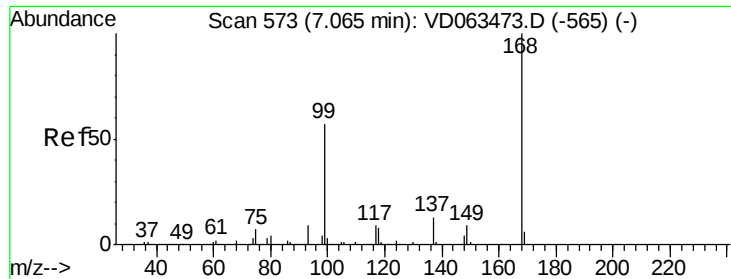
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
Data File : VD063633.D
Acq On : 16 Aug 2019 13:05
Operator : JC/SY
Sample : K43546-05RE
Misc : 2.92g/5ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

Quant Time: Aug 17 06:00:32 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: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

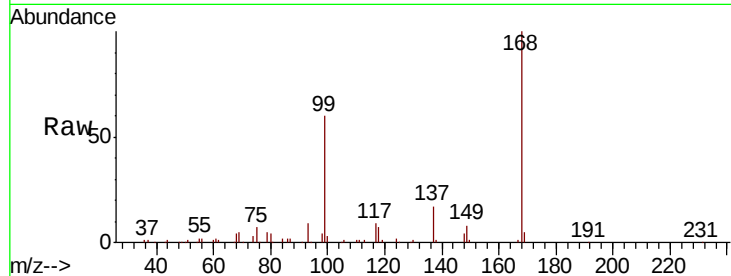
TP-3RE

Tgt Ion:168 Resp: 846664

Ion Ratio Lower Upper

168 100

99 59.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

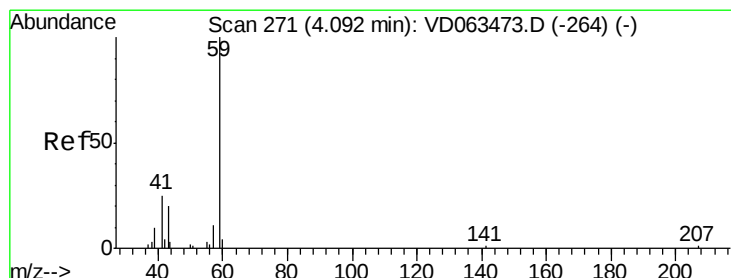
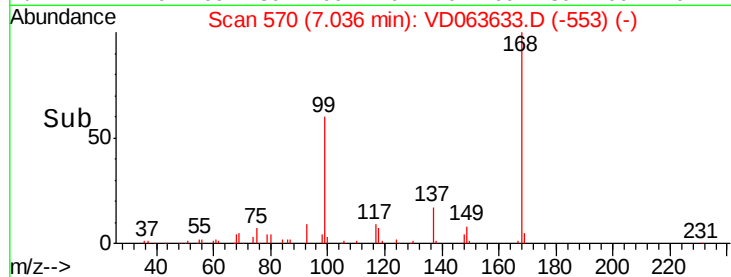
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.449 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063633.D

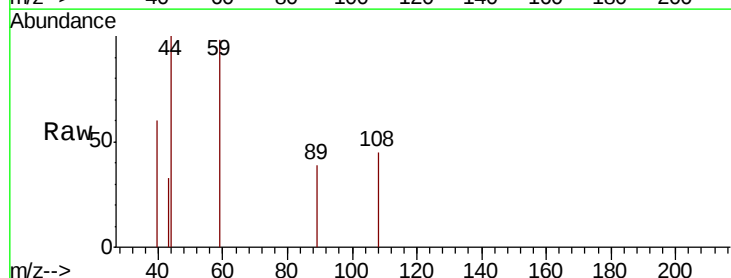
Acq: 16 Aug 2019 13:05

Tgt Ion: 59 Resp: 965

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

4.06

1000

800

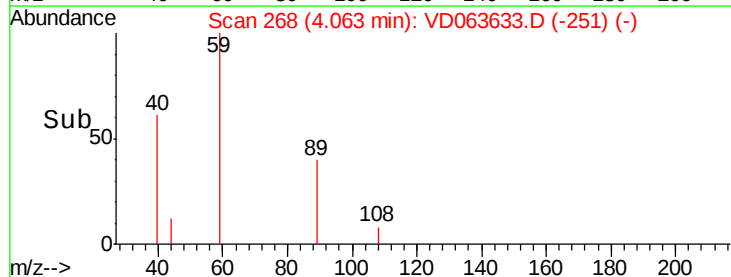
600

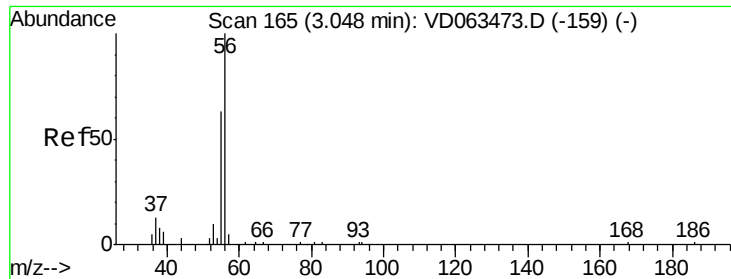
400

200

0

Time-->





#13

Acrolein

Concen: 1.818 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.04 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

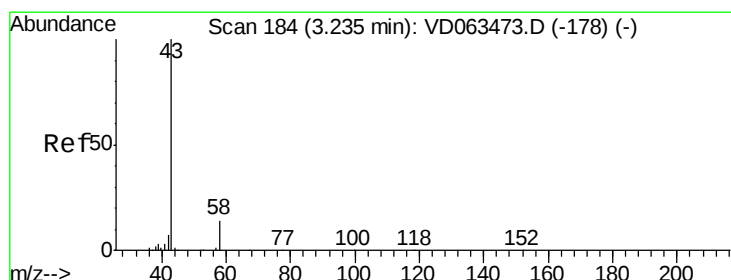
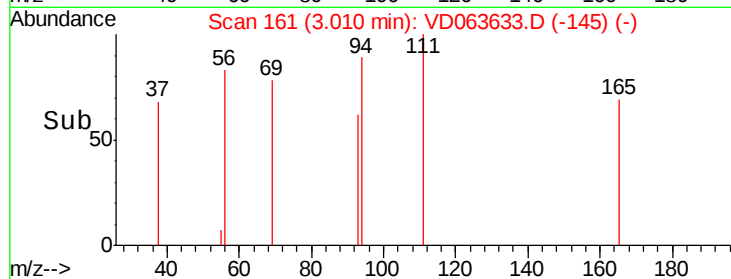
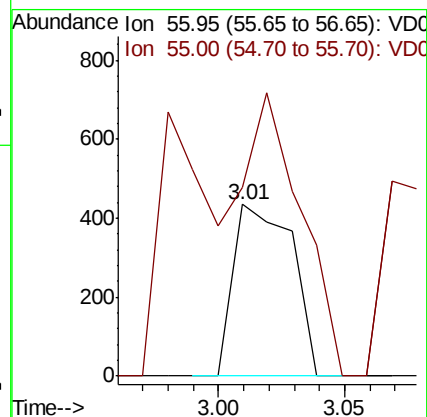
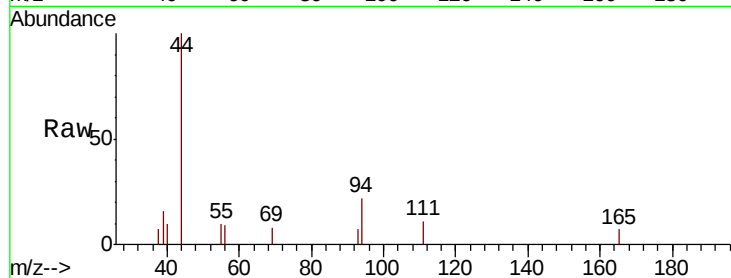
TP-3RE

Tgt Ion: 56 Resp: 705

Ion Ratio Lower Upper

56 100

55 109.7 51.3 76.9#



#16

Acetone

Concen: 115.698 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063633.D

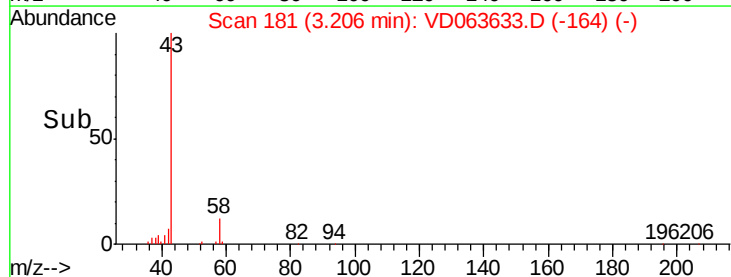
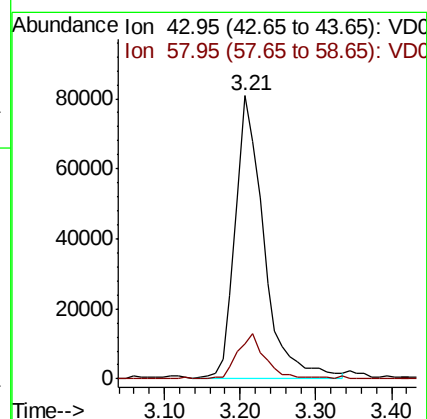
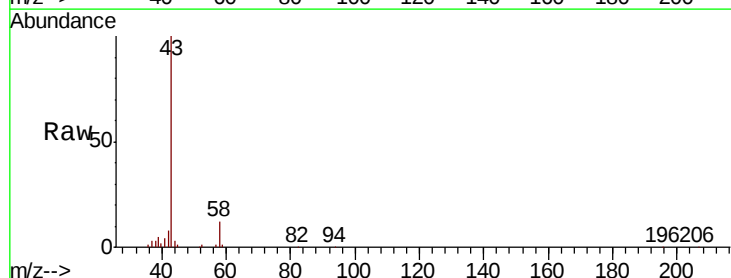
Acq: 16 Aug 2019 13:05

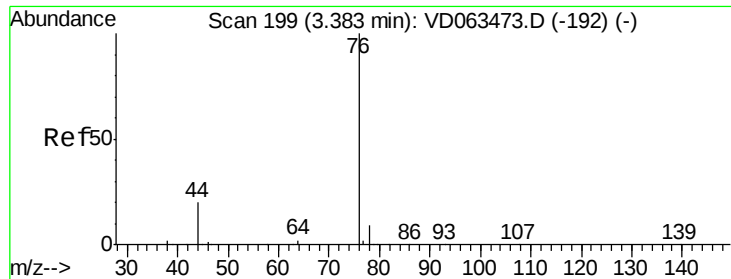
Tgt Ion: 43 Resp: 212852

Ion Ratio Lower Upper

43 100

58 12.4 11.4 17.2

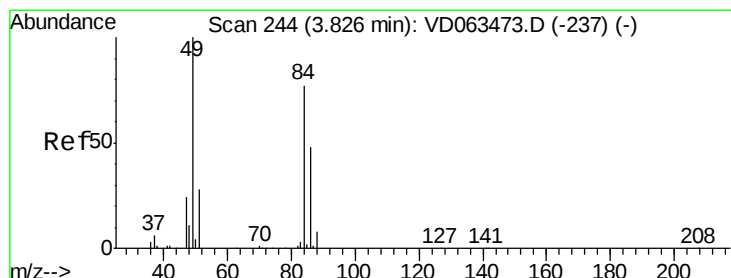
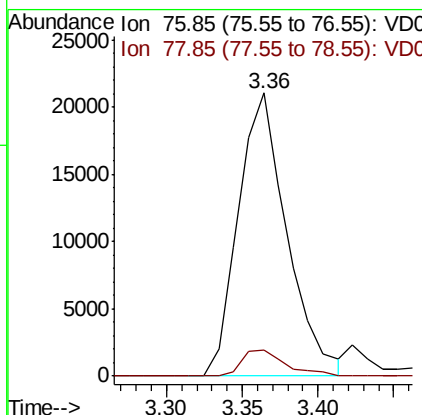
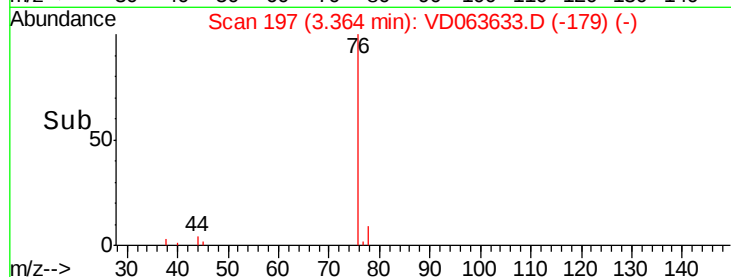
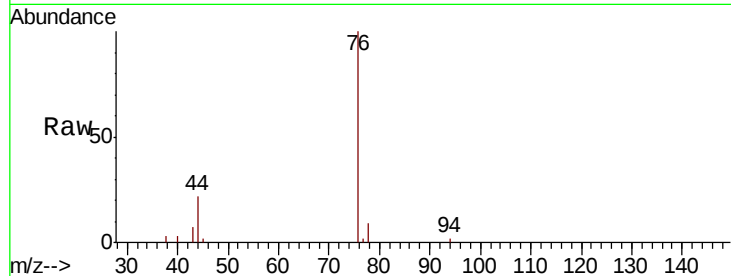




#17
Carbon Disulfide
Concen: 2.181 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063633.D
Acq: 16 Aug 2019 13:05

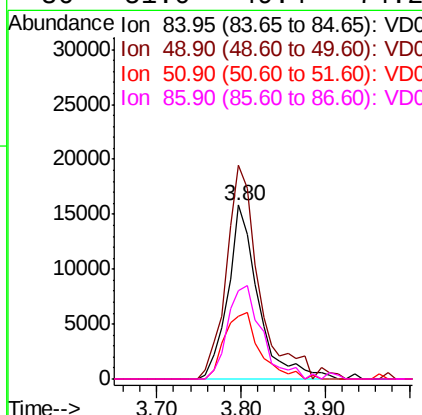
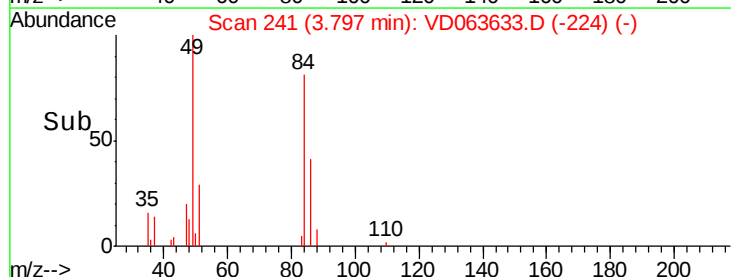
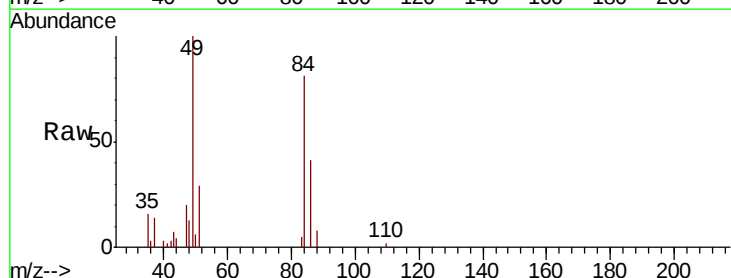
Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

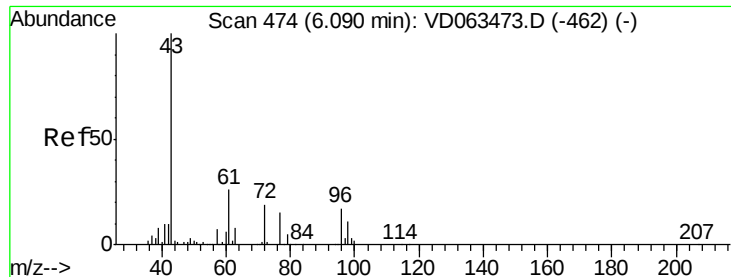
Tgt Ion: 76 Resp: 47085
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#20
Methylene Chloride
Concen: 5.005 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063633.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 84 Resp: 39812
Ion Ratio Lower Upper
84 100
49 123.1 103.4 155.2
51 35.9 28.5 42.7
86 51.0 49.4 74.2





#25

2-Butanone

Concen: 31.496 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

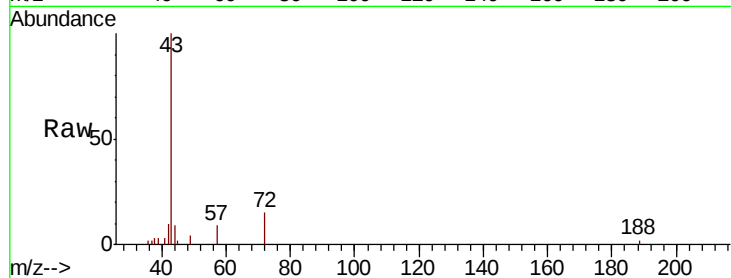
TP-3RE

Tgt Ion: 43 Resp: 57228

Ion Ratio Lower Upper

43 100

72 15.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

20000

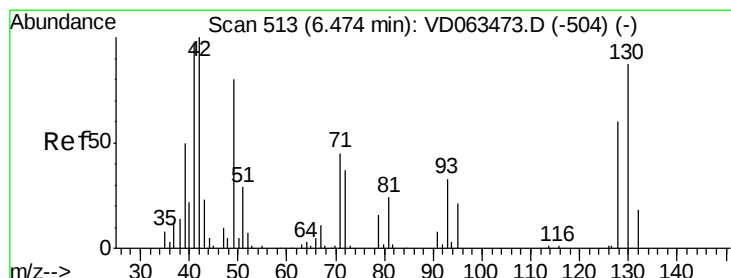
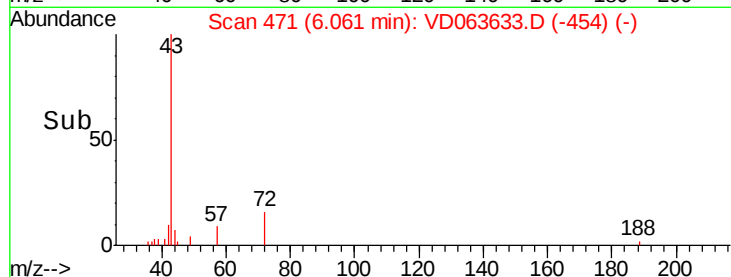
15000

10000

5000

0

Time--> 5.90 6.00 6.10



#29

Tetrahydrofuran

Concen: 2.017 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

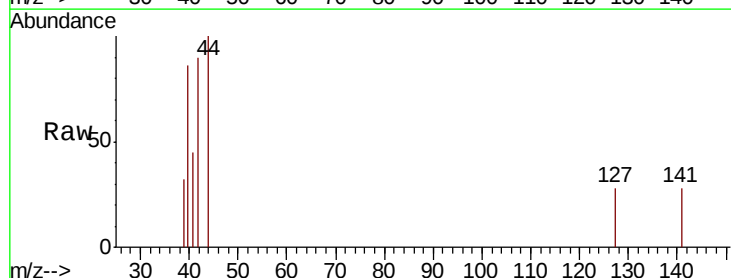
Tgt Ion: 42 Resp: 1708

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 0.0 33.8 50.8#



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

6.45

1200

1000

800

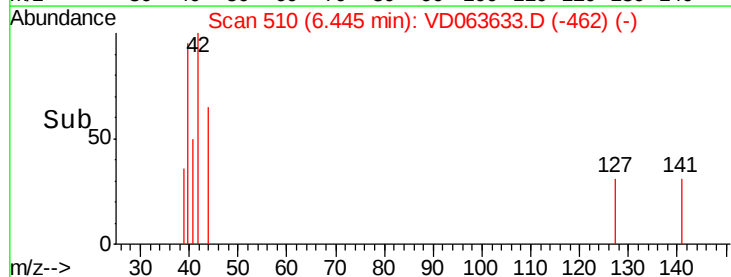
600

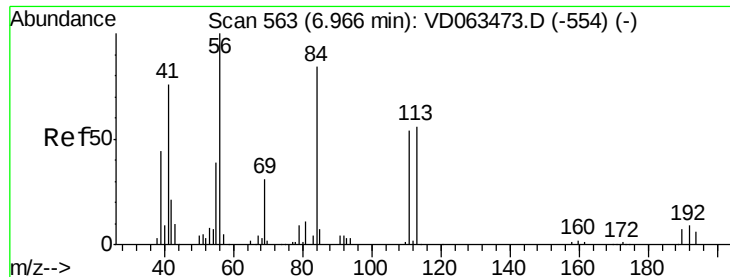
400

200

0

Time--> 6.40 6.45 6.50

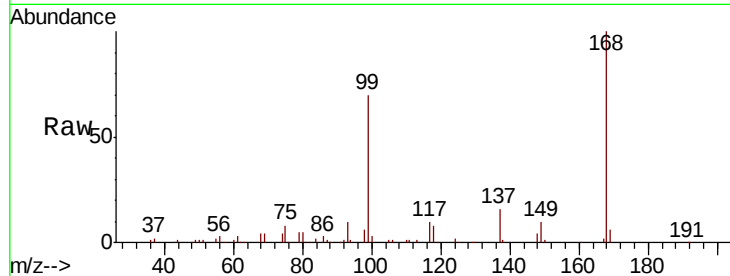




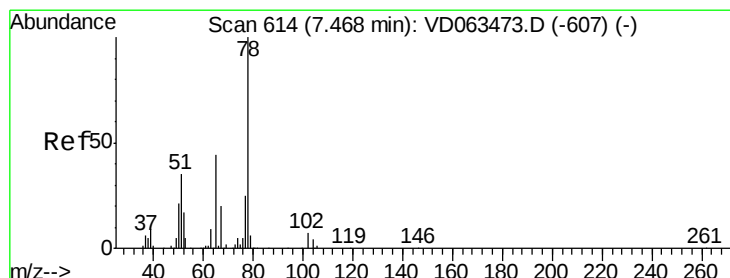
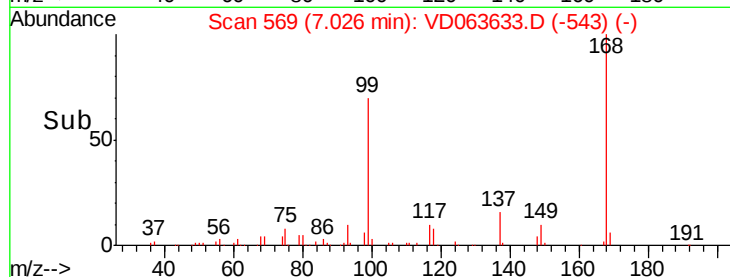
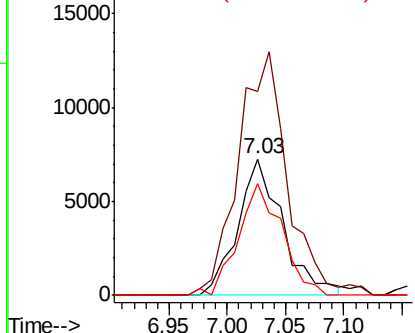
#31
Cyclohexane
Concen: 2.379 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063633.D
Acq: 16 Aug 2019 13:05

Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

Tgt Ion: 56 Resp: 19442
Ion Ratio Lower Upper
56 100
69 148.8 25.0 37.6#
84 82.0 69.7 104.5

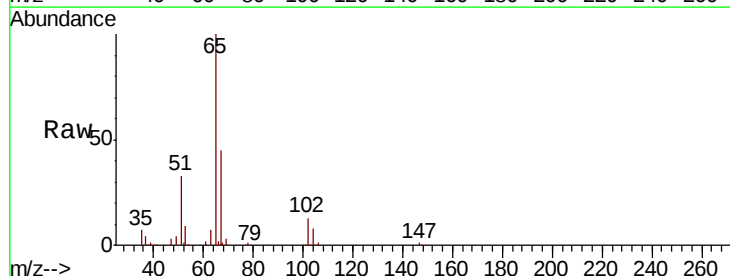


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

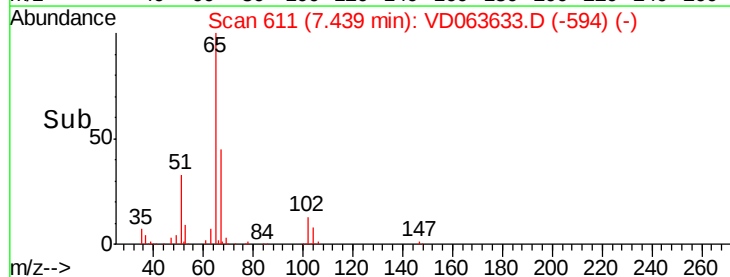
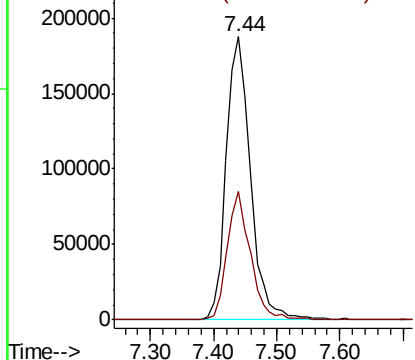


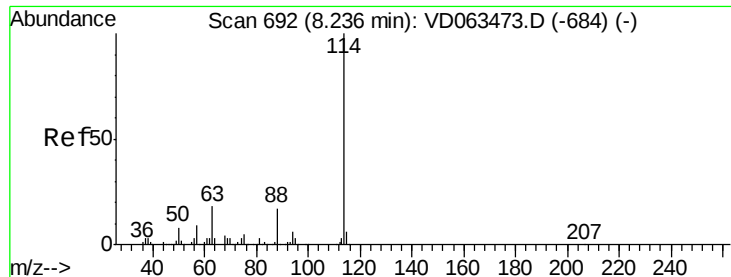
#33
1,2-Dichloroethane-d4
Concen: 55.143 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063633.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 65 Resp: 499055
Ion Ratio Lower Upper
65 100
67 45.2 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: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

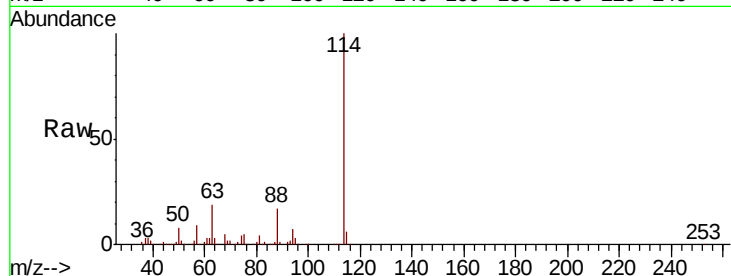
Tgt Ion:114 Resp: 1184581

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

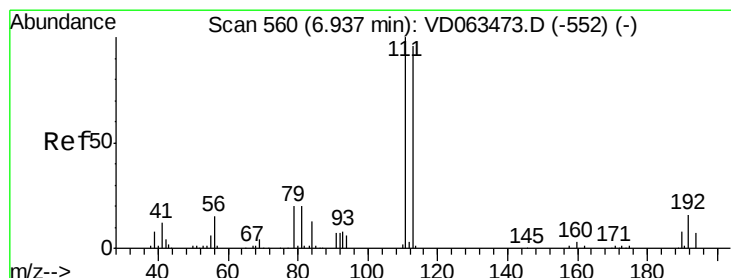
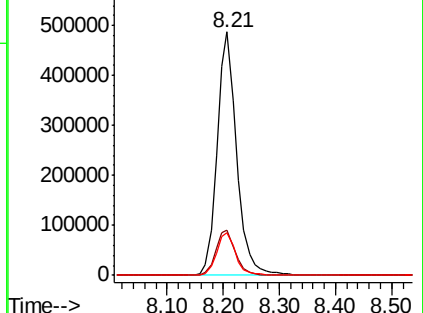
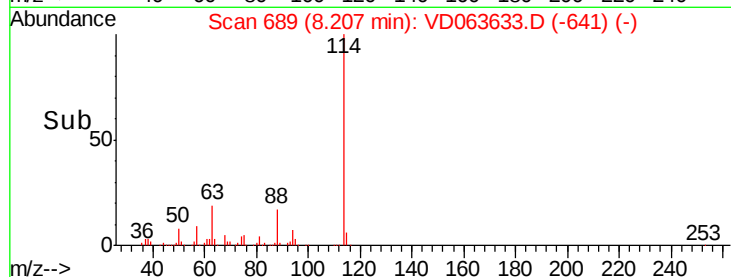
88 17.5 0.0 35.0



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: 54.306 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

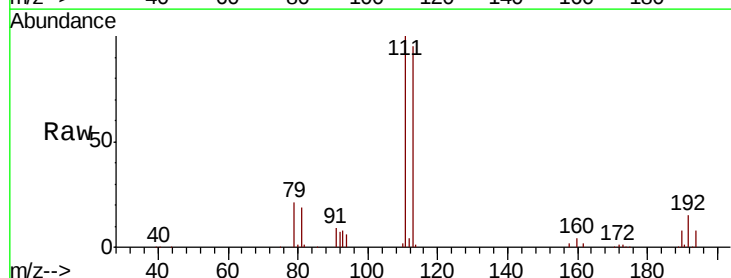
Tgt Ion:113 Resp: 541794

Ion Ratio Lower Upper

113 100

111 105.3 83.1 124.7

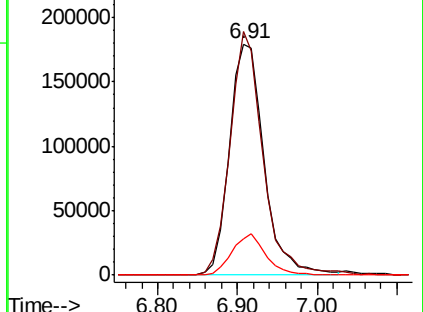
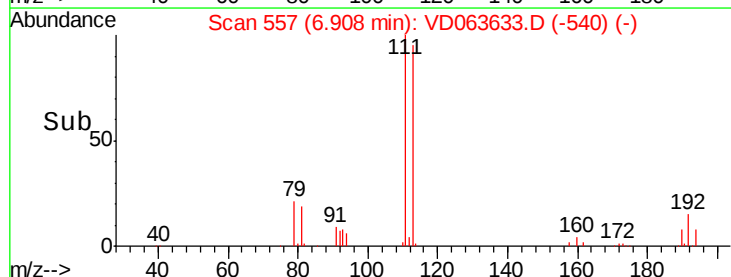
192 15.8 13.1 19.7

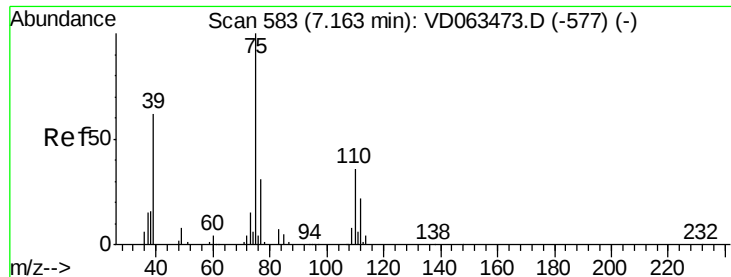


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

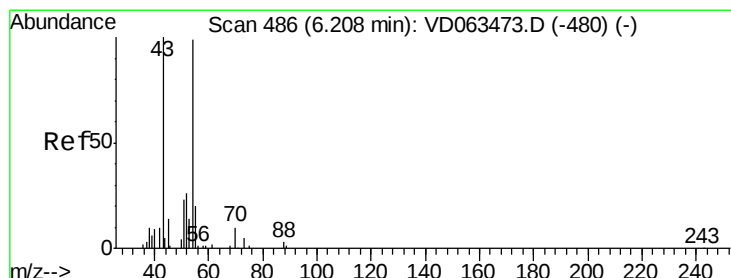
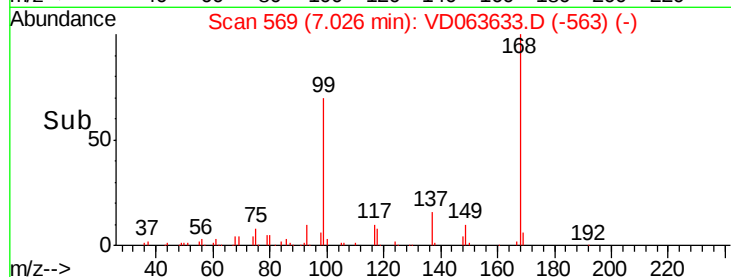
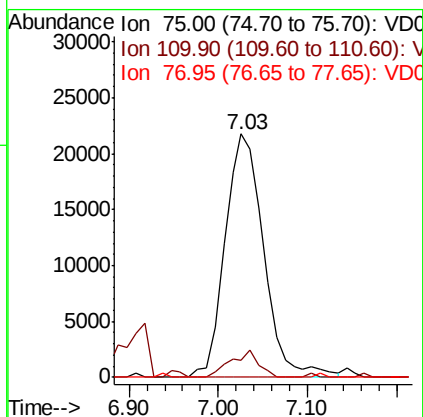
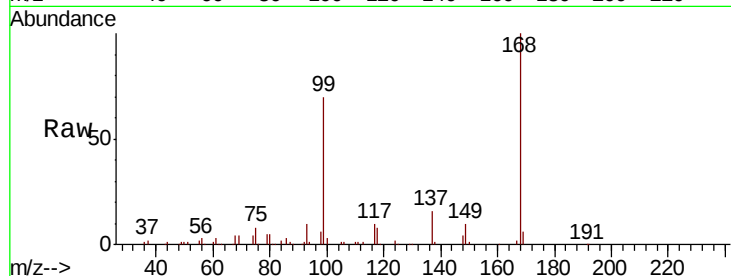




#36
 1,1-Dichloropropene
 Concen: 6.286 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063633.D
 Acq: 16 Aug 2019 13:05

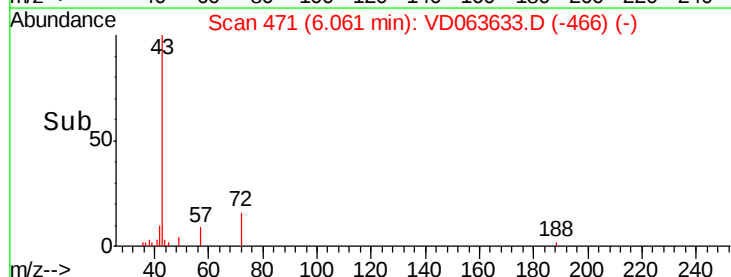
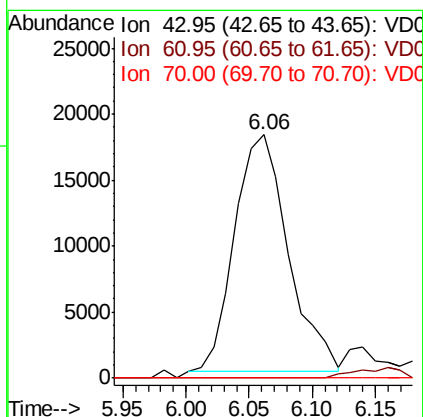
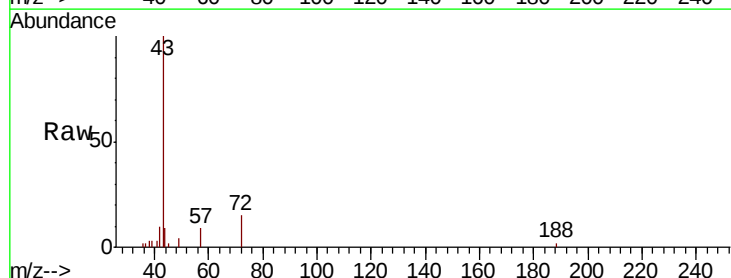
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

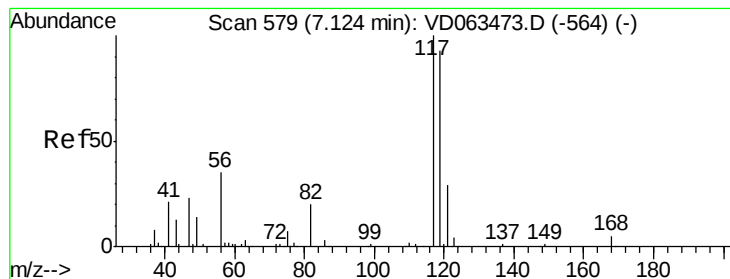
Tgt Ion: 75 Resp: 65828
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.6 52.8#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 12.050 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.15 min
 Lab File: VD063633.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 52878
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.0 13.6#
 70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 4.953 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

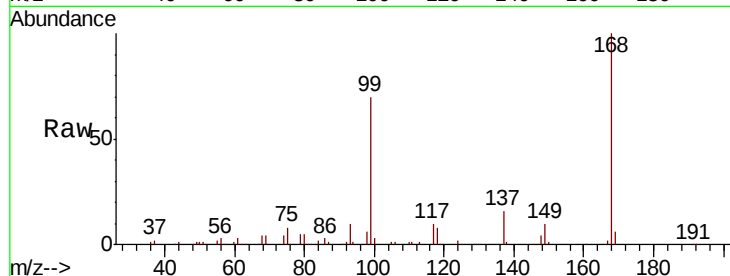
Tgt Ion:117 Resp: 78172

Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.2#

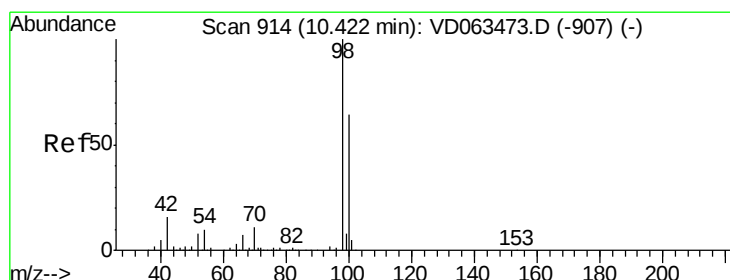
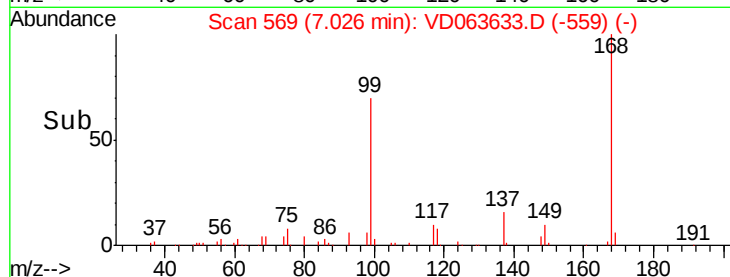
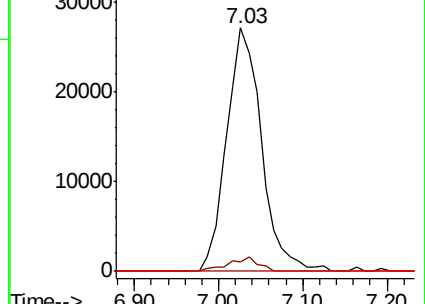
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 44.557 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD063633.D

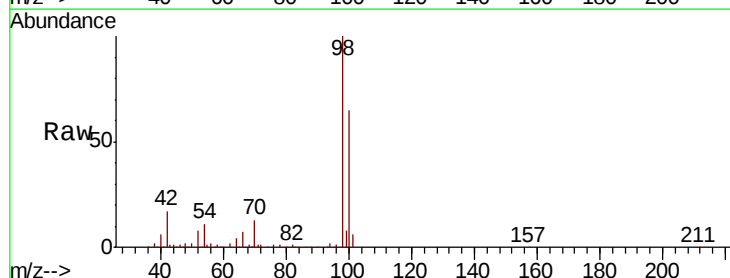
Acq: 16 Aug 2019 13:05

Tgt Ion: 98 Resp: 977318

Ion Ratio Lower Upper

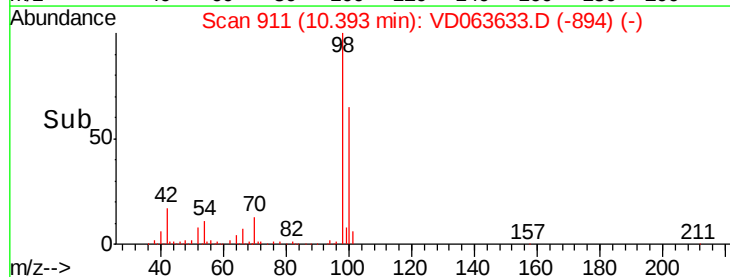
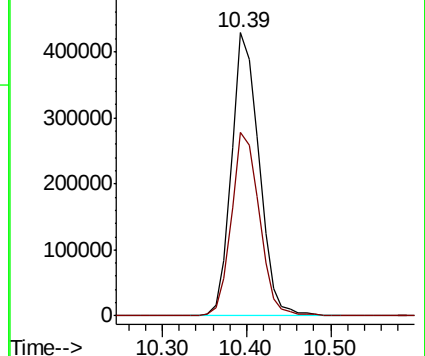
98 100

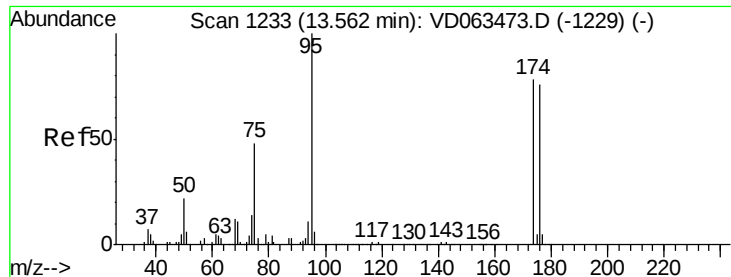
100 64.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 25.747 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

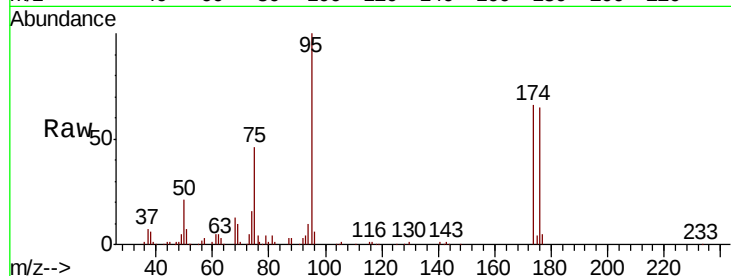
Tgt Ion: 95 Resp: 255965

Ion Ratio Lower Upper

95 100

174 66.1 0.0 155.4

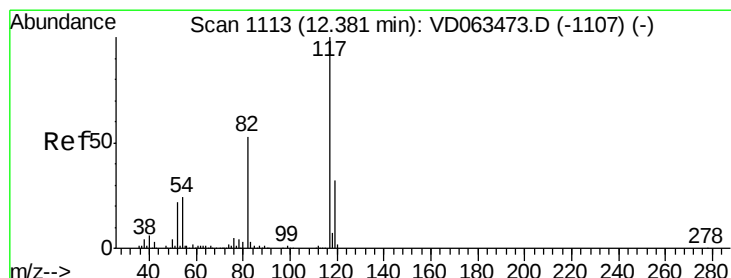
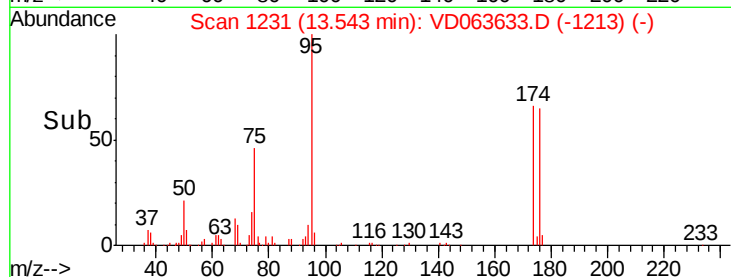
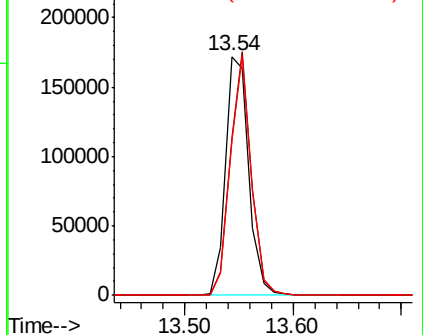
176 64.9 0.0 152.4



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: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

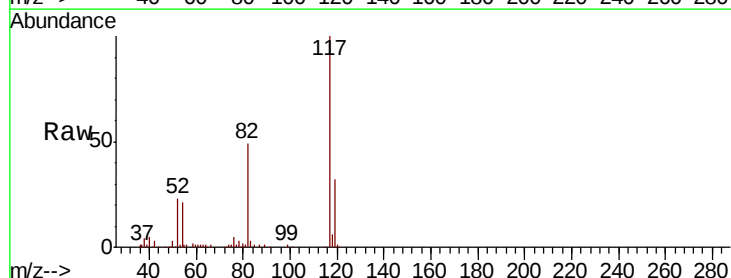
Tgt Ion: 117 Resp: 671764

Ion Ratio Lower Upper

117 100

82 48.8 42.0 63.0

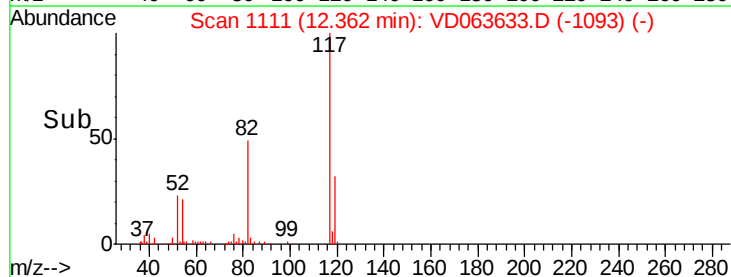
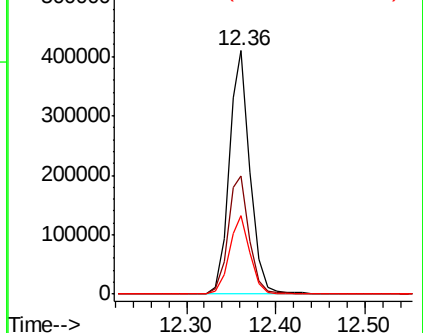
119 32.3 25.4 38.0

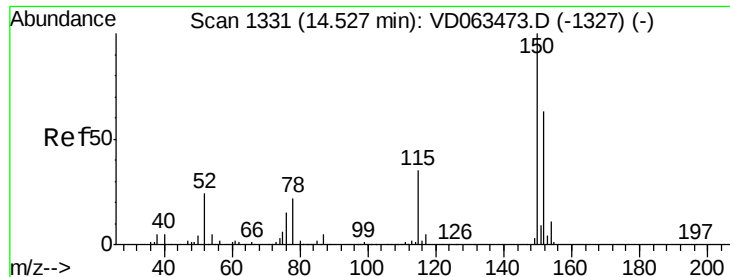


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063633.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_D

ClientSampled :

TP-3RE

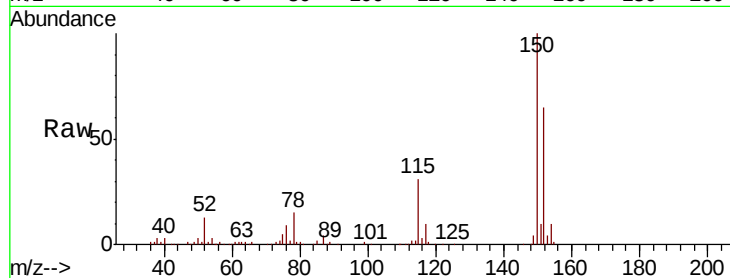
Tgt Ion:152 Resp: 198992

Ion Ratio Lower Upper

152 100

115 47.4 30.9 92.7

150 154.8 0.0 318.6

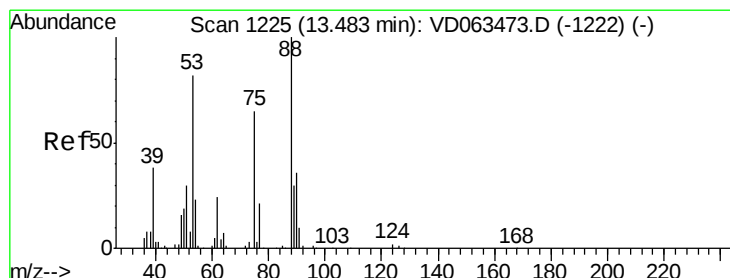
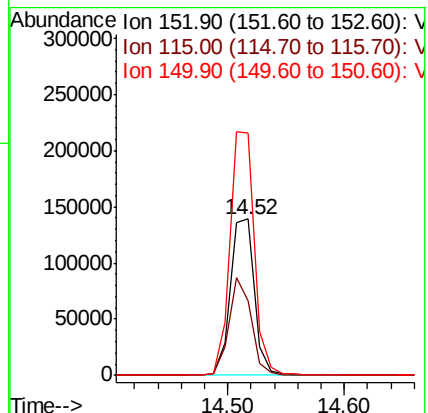
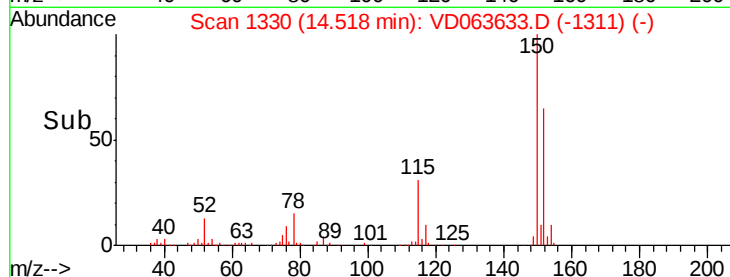


Abundance

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: 195.102 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063633.D

Acq: 16 Aug 2019 13:05

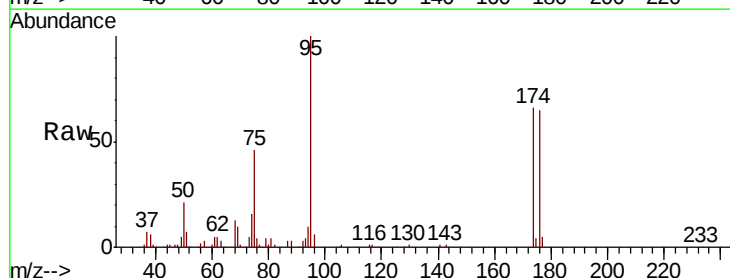
Tgt Ion: 75 Resp: 119757

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

