

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063252.D
 Acq On : 30 Jul 2019 20:02
 Operator : VA/AP
 Sample : K4049-08RE
 Misc : 4.63g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8RE

Quant Time: Jul 31 04:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	839258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1039079	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	767807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	291597	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	370536	39.79	ug/l	0.00
Spiked Amount			Recovery	=	79.58%	
35) Dibromofluoromethane	6.92	113	392271	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	
50) Toluene-d8	10.40	98	725345	36.53	ug/l	0.00
Spiked Amount			Recovery	=	73.06%	
62) 4-Bromofluorobenzene	13.55	95	257139	28.42	ug/l	0.00
Spiked Amount			Recovery	=	56.84%	

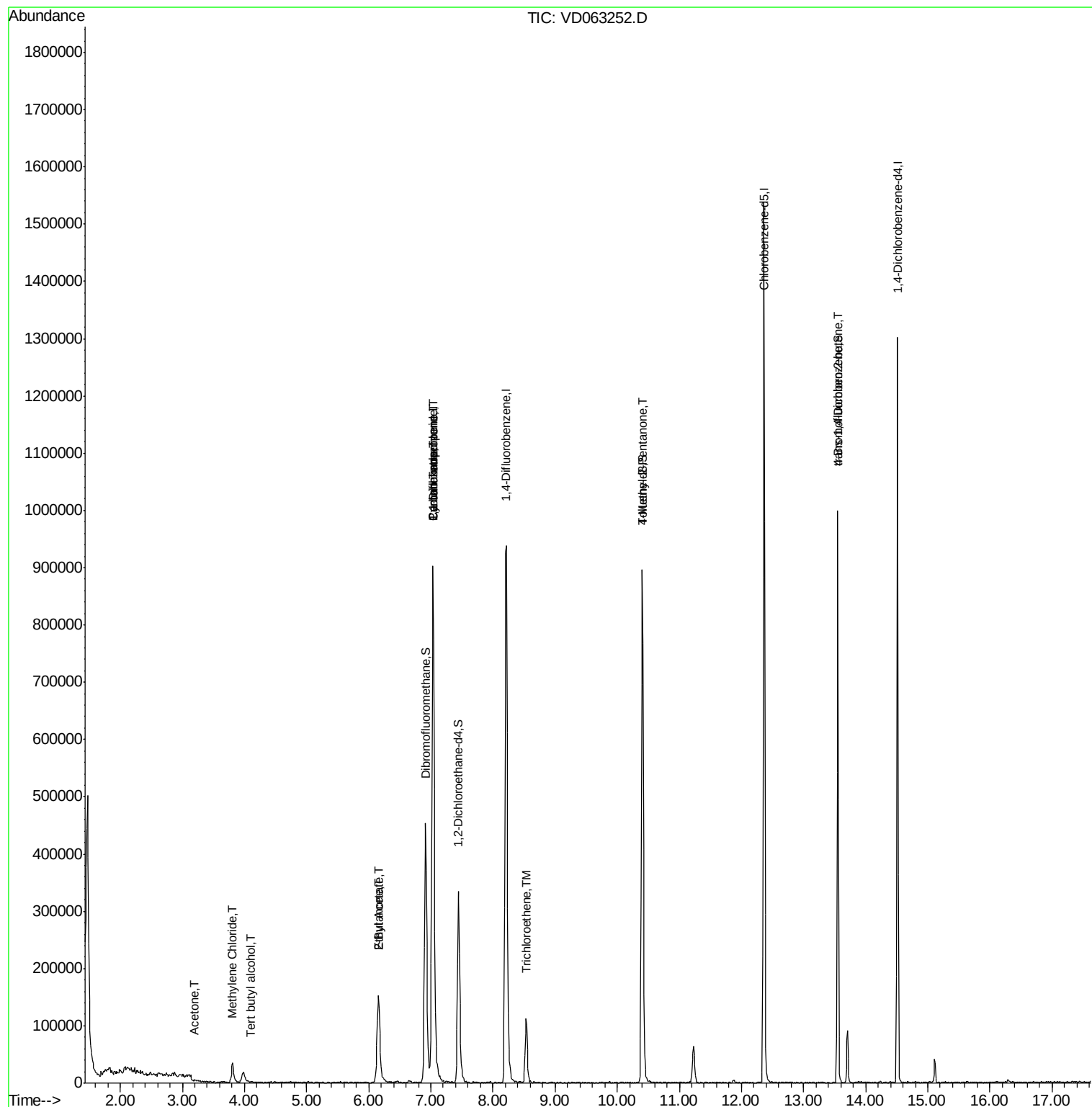
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	1271	3.110	ug/l #	69
16) Acetone	3.20	43	3191	1.759	ug/l #	62
20) Methylene Chloride	3.81	84	18862	2.572	ug/l	90
25) 2-Butanone	6.16	43	12803	7.031	ug/l #	56
31) Cyclohexane	7.04	56	19145	2.308	ug/l #	16
36) 1,1-Dichloropropene	7.04	75	66257	6.987	ug/l #	53
37) Ethyl Acetate	6.16	43	12802	3.005	ug/l #	1
38) Carbon Tetrachloride	7.04	117	82642	5.789	ug/l #	14
44) Trichloroethene	8.53	130	48973	6.081	ug/l	83
51) 4-Methyl-2-Pentanone	10.40	43	4810	1.300	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	125181	128.713	ug/l #	3

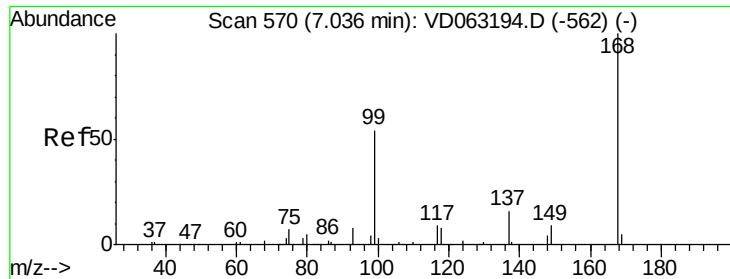
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

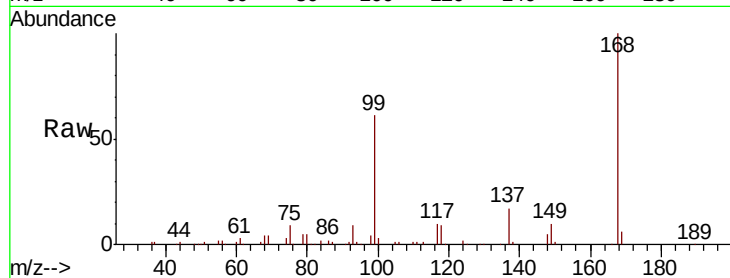
SP-8RE

Tot Ion:168 Resp: 839258

Ion Ratio Lower Upper

168 100

99 60.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

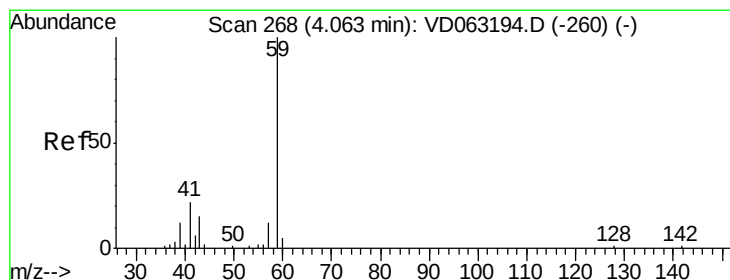
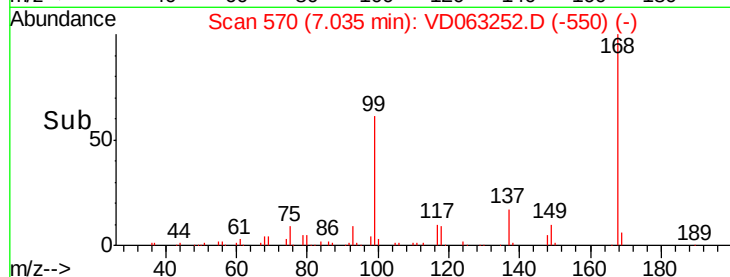
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 3.110 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.04 min

Lab File: VD063252.D

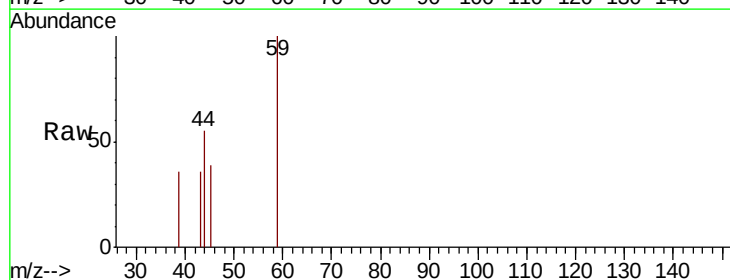
Acq: 30 Jul 2019 20:02

Tgt Ion: 59 Resp: 1271

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.10

1000

800

600

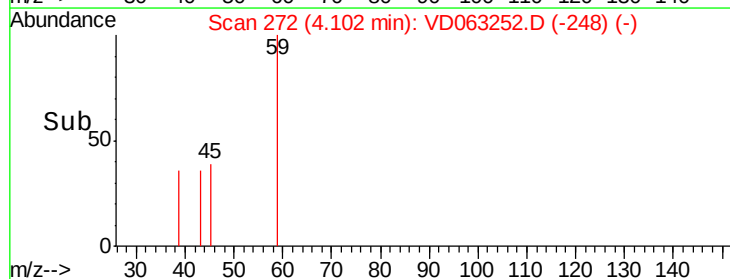
400

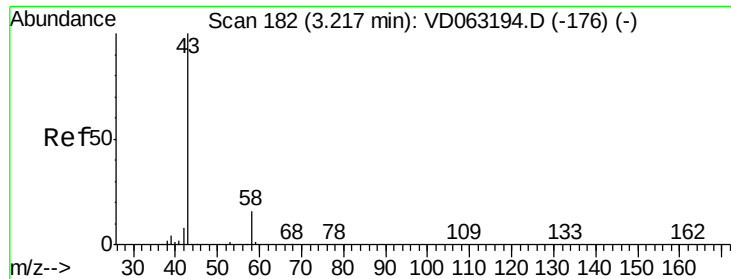
200

0

4.08 4.10 4.12 4.14

Time-->





#16

Acetone

Concen: 1.759 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

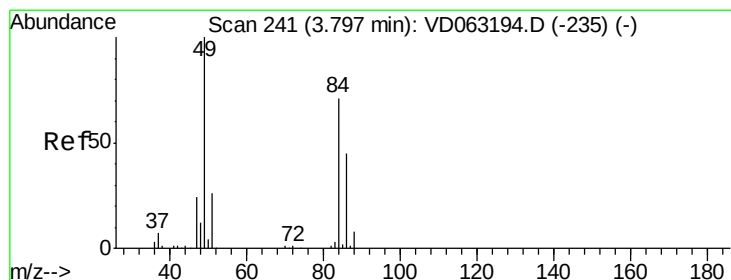
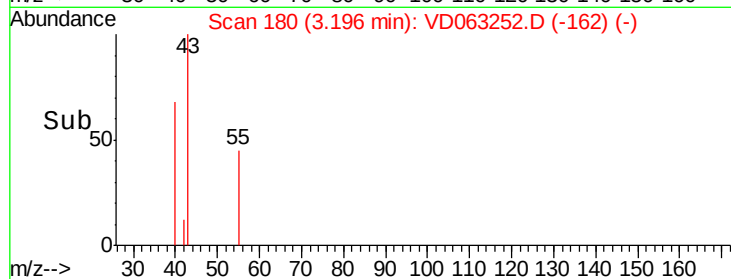
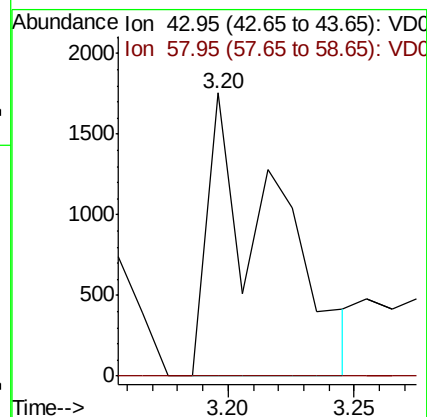
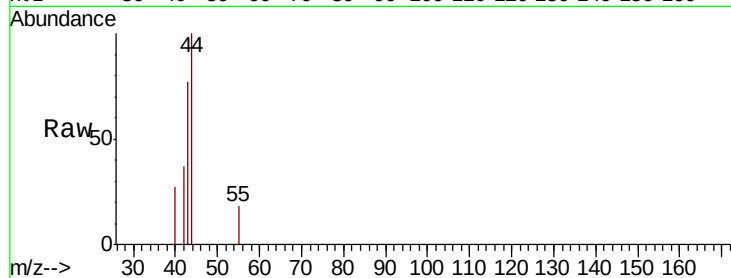
SP-8RE

Tot Ion: 43 Resp: 3191

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



#20

Methylene Chloride

Concen: 2.572 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Tgt Ion: 84 Resp: 18862

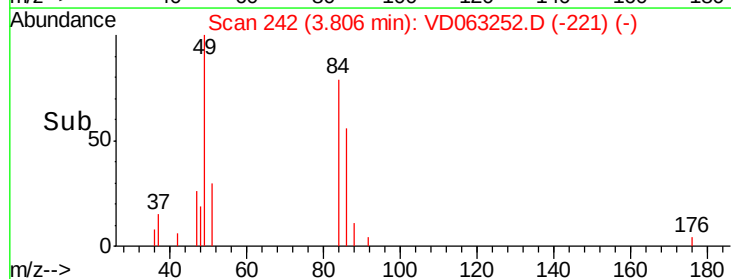
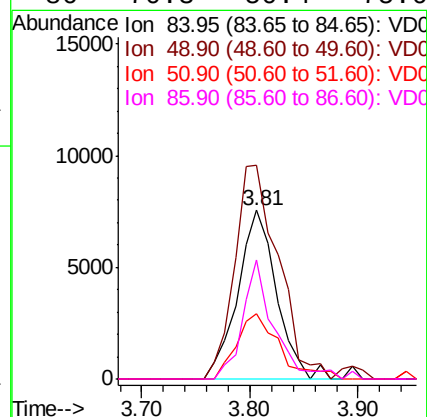
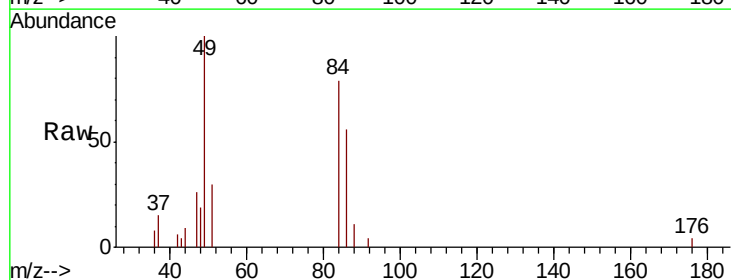
Ion Ratio Lower Upper

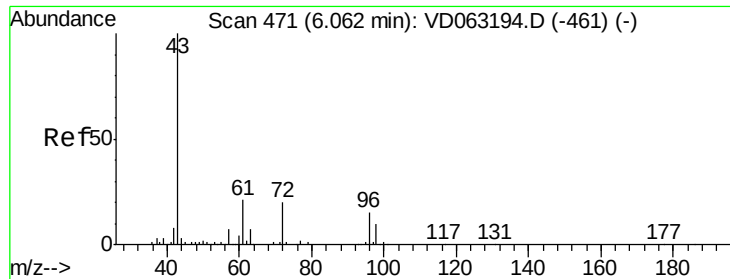
84 100

49 126.6 112.5 168.7

51 38.5 29.6 44.4

86 70.3 50.4 75.6

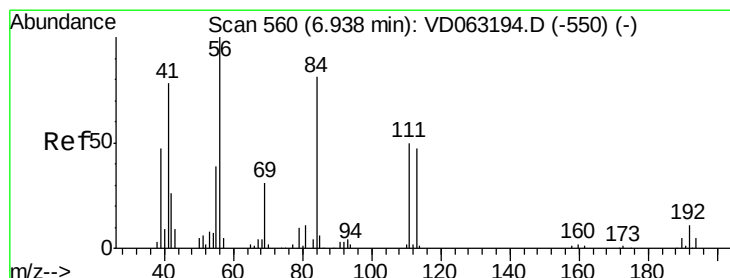
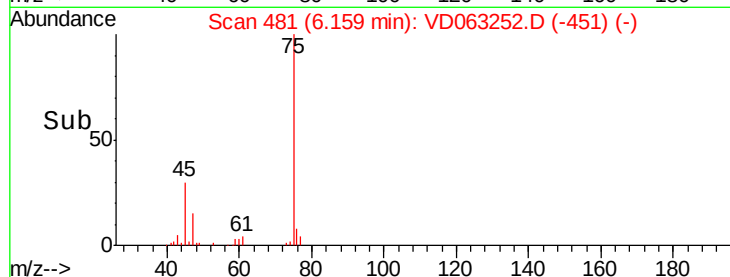
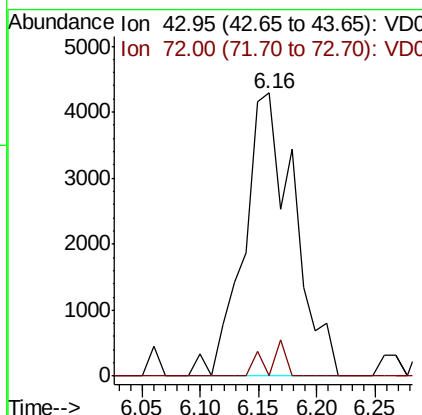
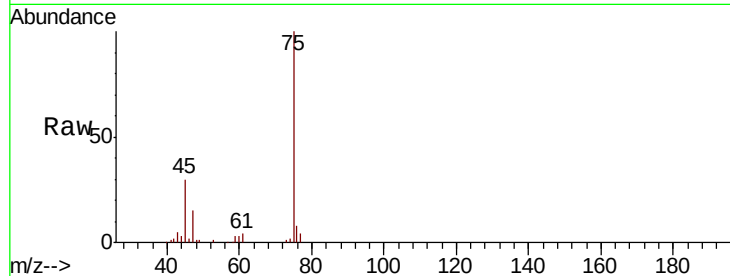




#25
2-Butanone
Concen: 7.031 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.10 min
Lab File: VD063252.D
Acq: 30 Jul 2019 20:02

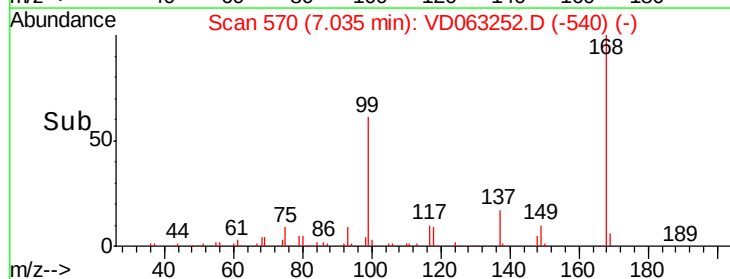
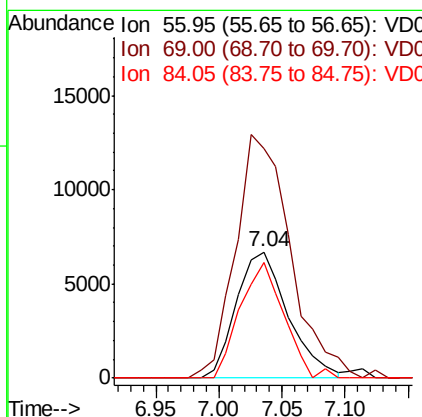
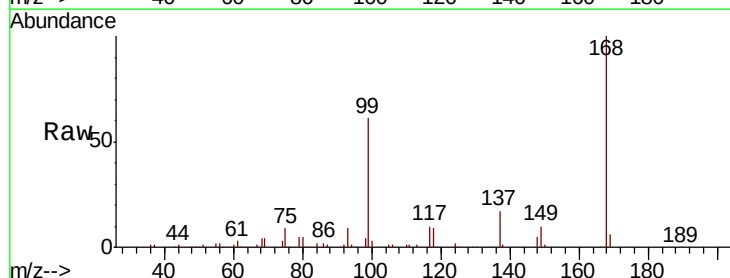
Instrument :
MSVOA_D
ClientSampleId :
SP-8RE

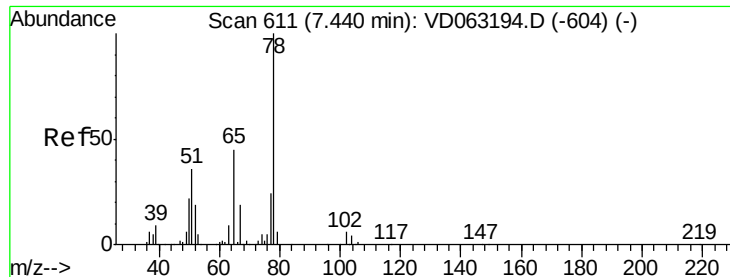
Tot Ion: 43 Resp: 12803
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#31
Cyclohexane
Concen: 2.308 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063252.D
Acq: 30 Jul 2019 20:02

Tgt Ion: 56 Resp: 19145
Ion Ratio Lower Upper
56 100
69 182.2 24.5 36.7#
84 91.4 64.9 97.3

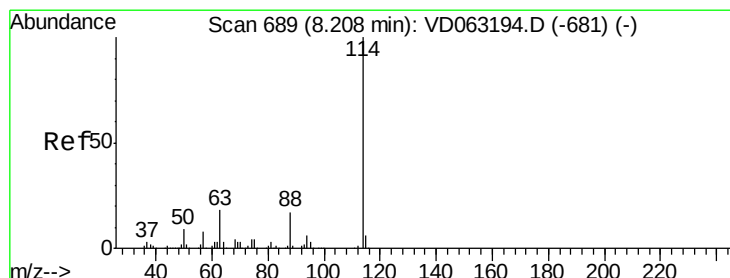
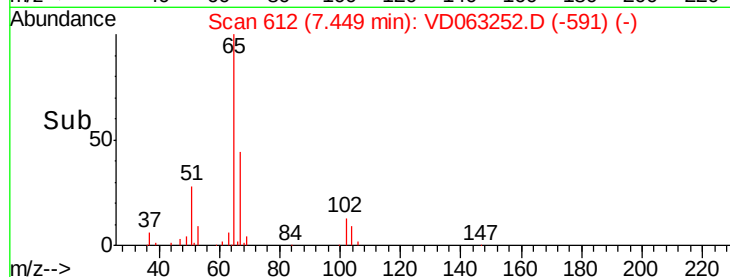
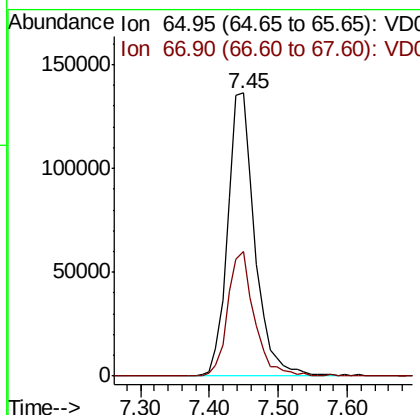
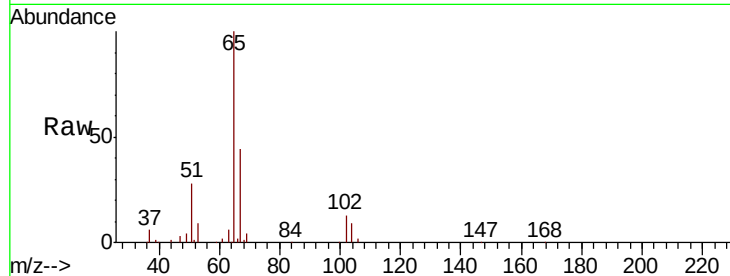




#33
 1,2-Dichloroethane-d4
 Concen: 39.790 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063252.D
 Acq: 30 Jul 2019 20:02

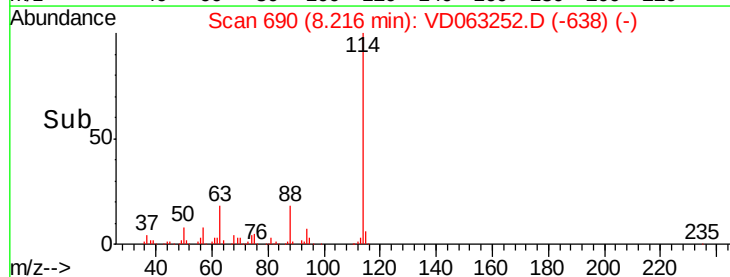
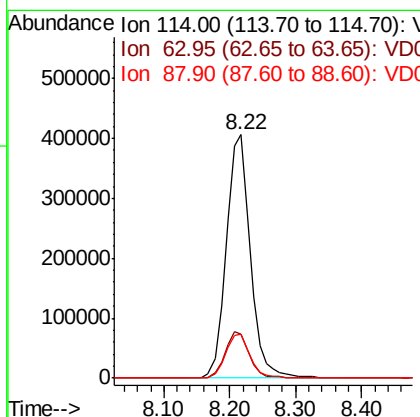
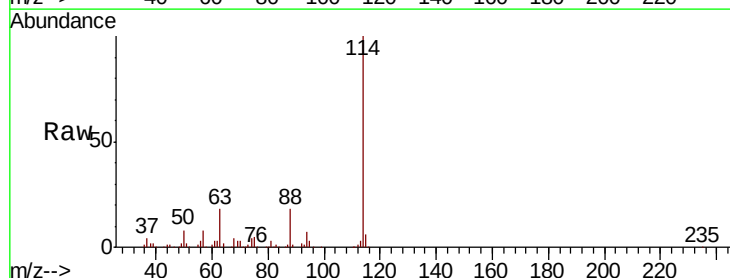
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8RE

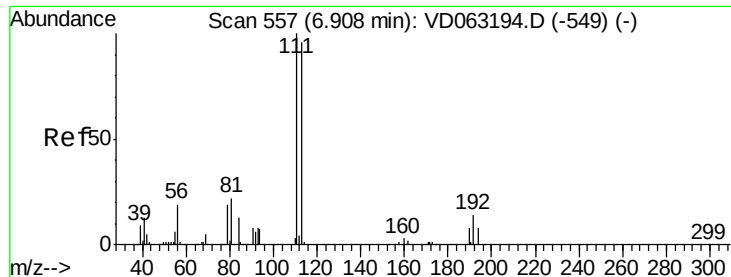
Tot Ion: 65 Resp: 370536
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063252.D
 Acq: 30 Jul 2019 20:02

Tgt Ion: 114 Resp: 1039079
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 18.0 0.0 34.6





#35

Dibromofluoromethane

Concen: 44.217 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

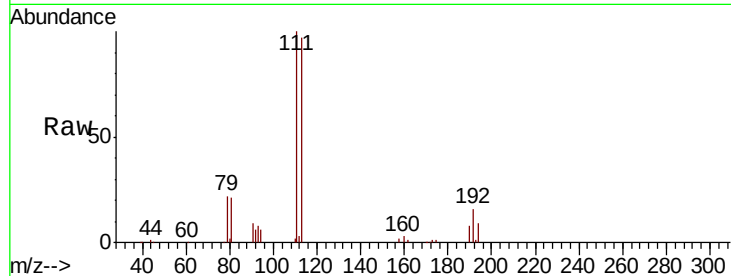
Tot Ion:113 Resp: 392271

Ion Ratio Lower Upper

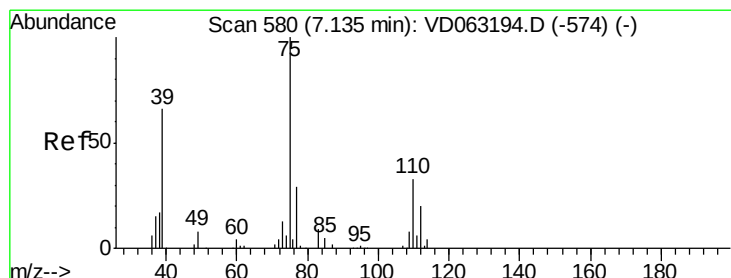
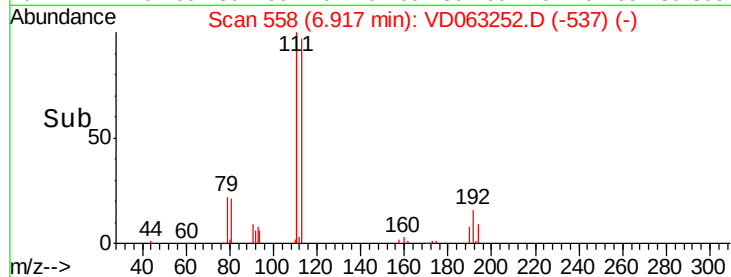
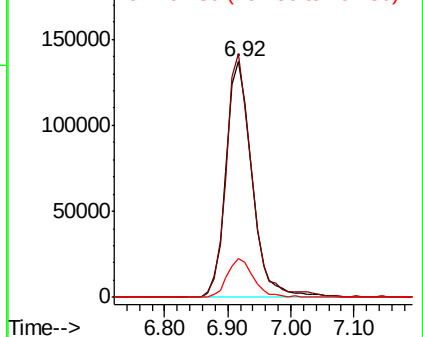
113 100

111 103.3 83.2 124.8

192 16.6 11.8 17.8



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: 6.987 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

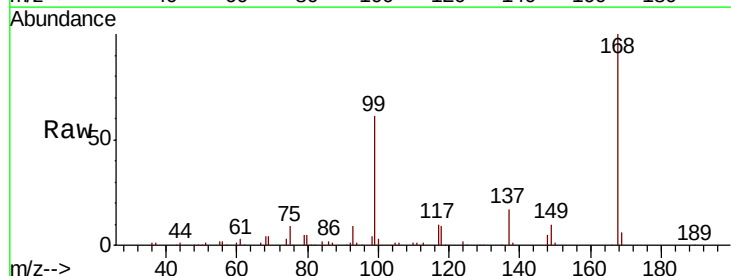
Tgt Ion: 75 Resp: 66257

Ion Ratio Lower Upper

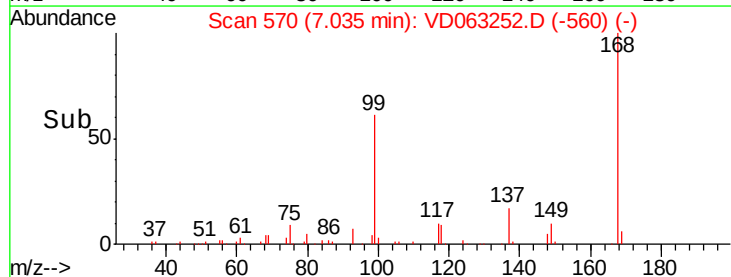
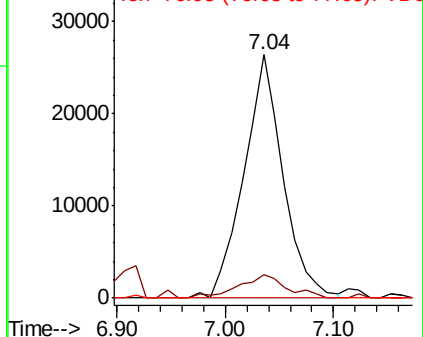
75 100

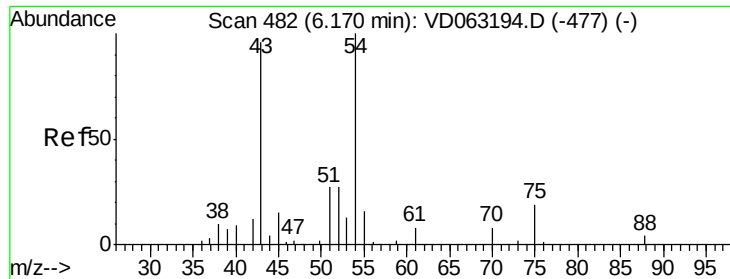
110 9.5 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 3.005 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

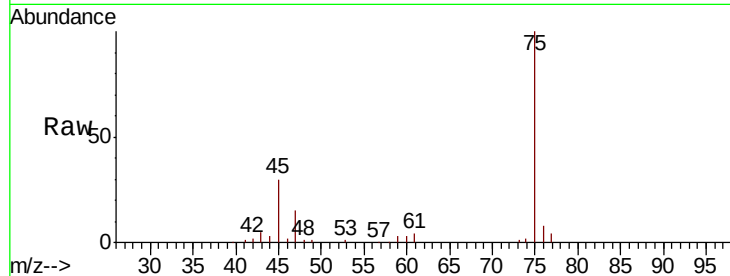
Tot Ion: 43 Resp: 12802

Ion Ratio Lower Upper

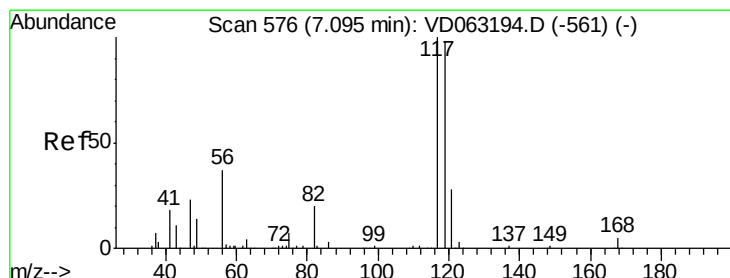
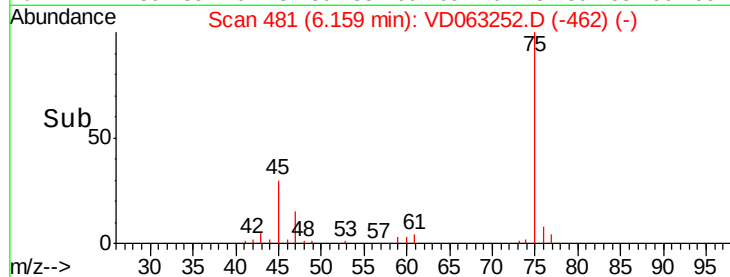
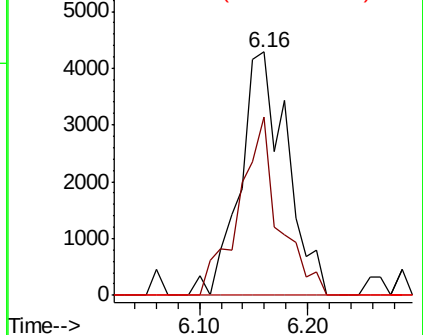
43 100

61 73.4 11.3 16.9#

70 0.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.789 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

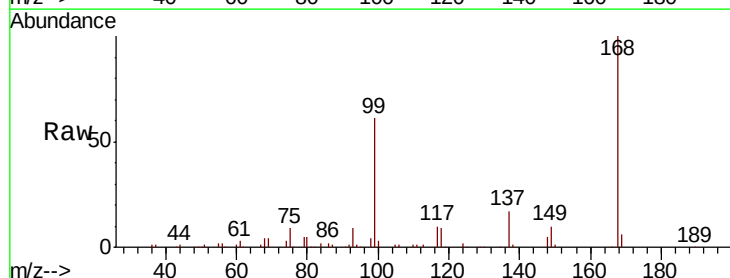
Tgt Ion: 117 Resp: 82642

Ion Ratio Lower Upper

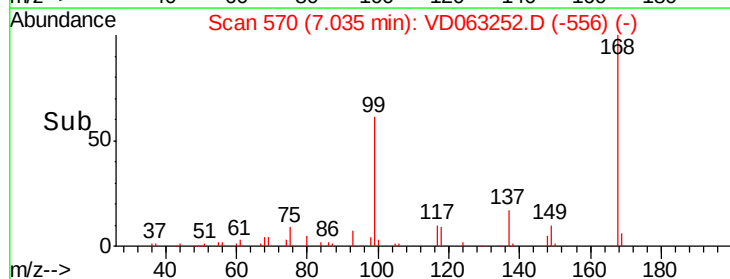
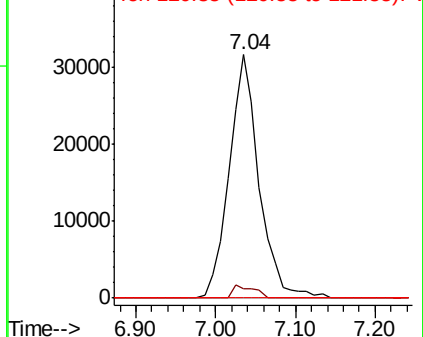
117 100

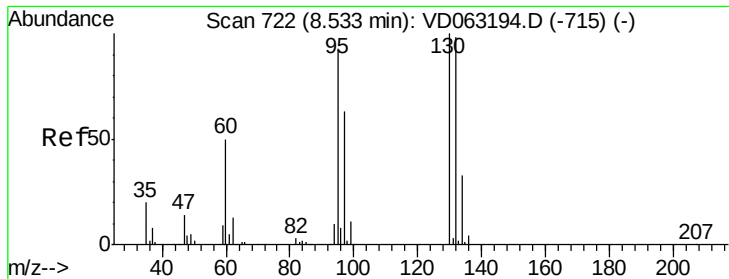
119 4.0 78.2 117.2#

121 0.0 22.1 33.1#



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





#44

Trichloroethene

Concen: 6.081 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

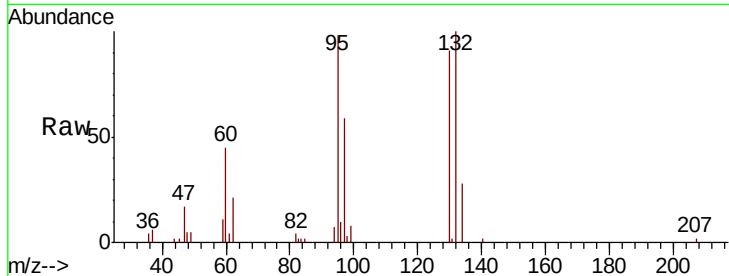
SP-8RE

Tot Ion:130 Resp: 48973

Ion Ratio Lower Upper

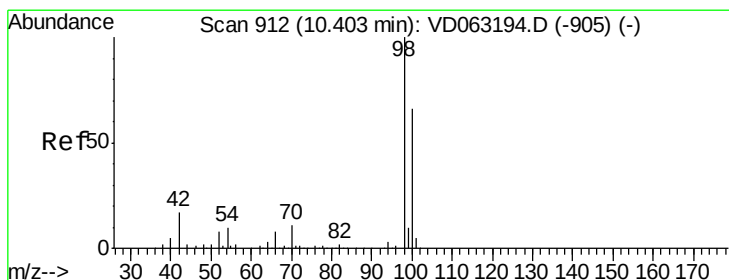
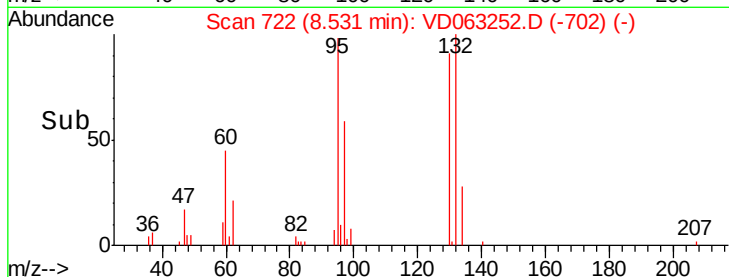
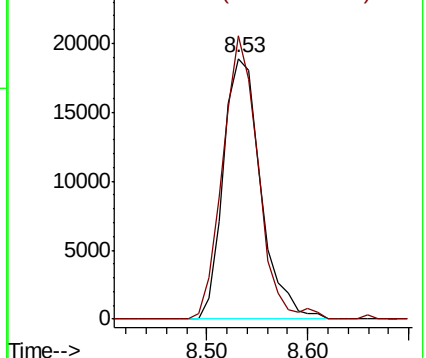
130 100

95 108.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 36.533 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063252.D

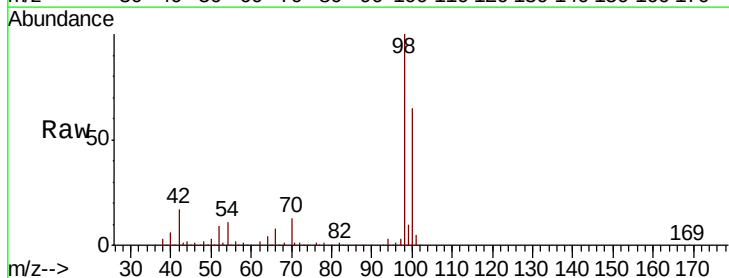
Acq: 30 Jul 2019 20:02

Tgt Ion: 98 Resp: 725345

Ion Ratio Lower Upper

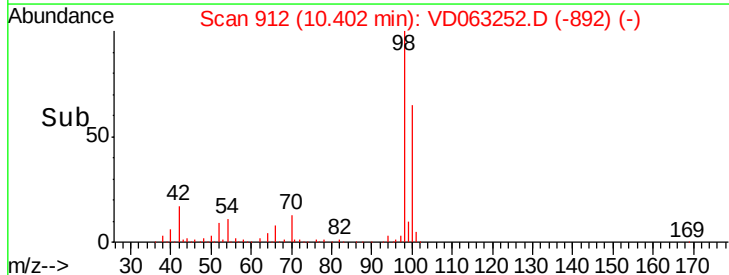
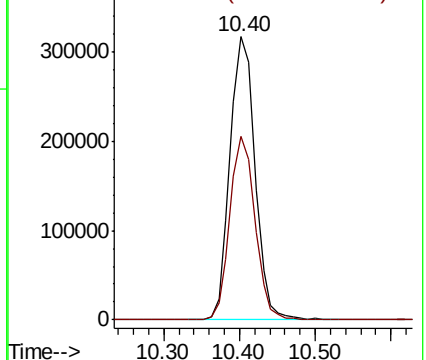
98 100

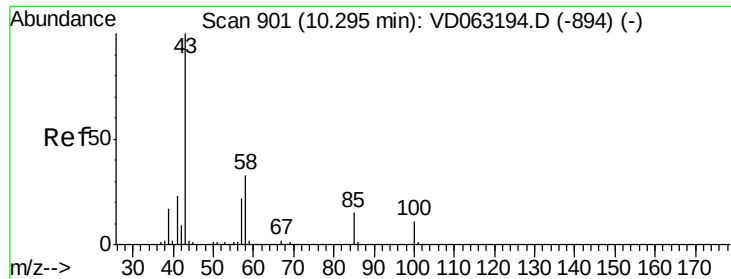
100 64.9 53.2 79.8



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: 1.300 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

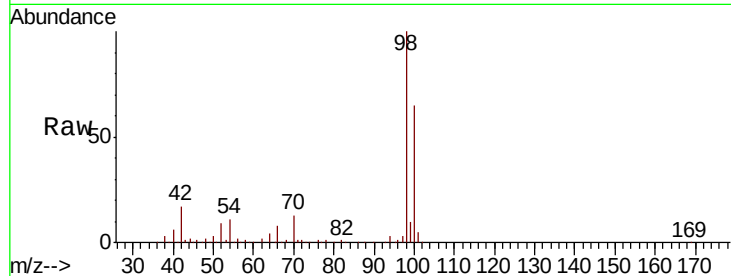
SP-8RE

Tot Ion: 43 Resp: 4810

Ion Ratio Lower Upper

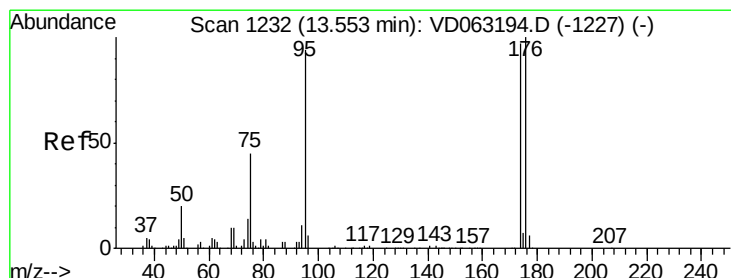
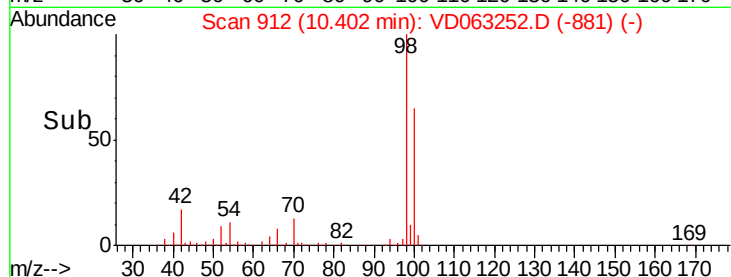
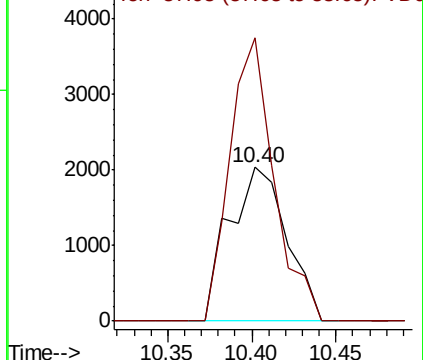
43 100

58 184.0 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 28.421 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

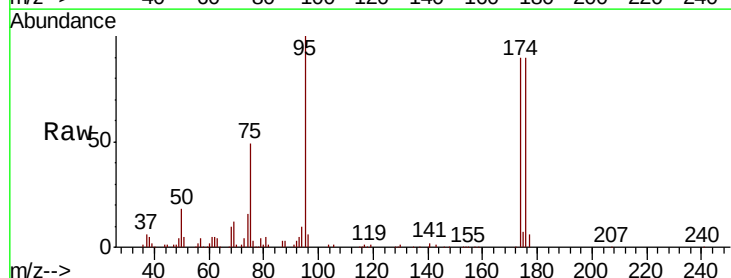
Tgt Ion: 95 Resp: 257139

Ion Ratio Lower Upper

95 100

174 89.5 0.0 205.4

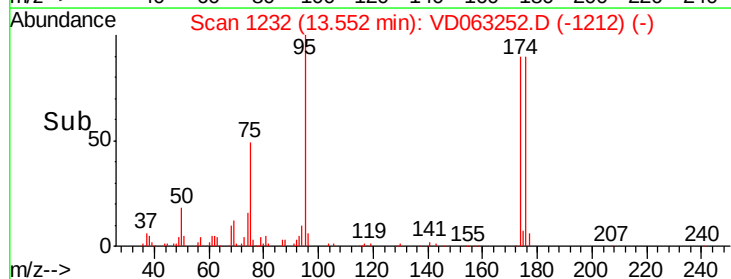
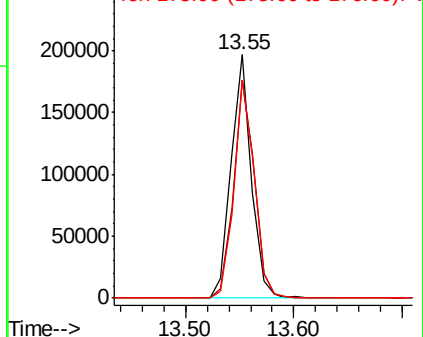
176 89.6 0.0 211.8

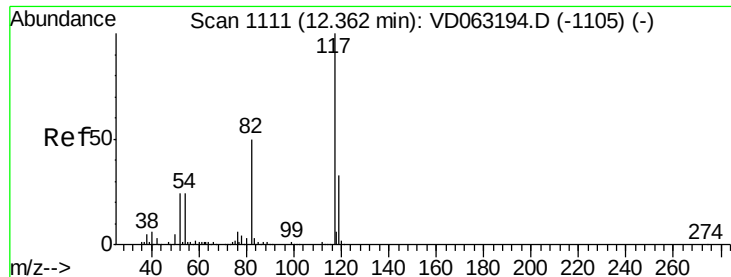


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

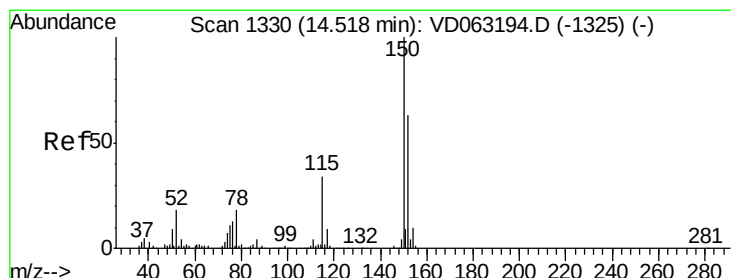
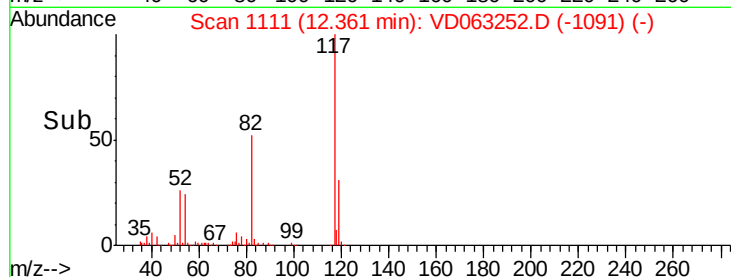
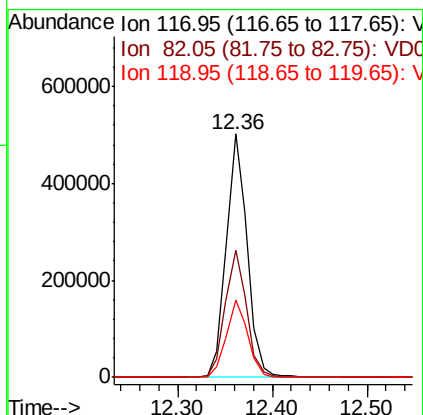
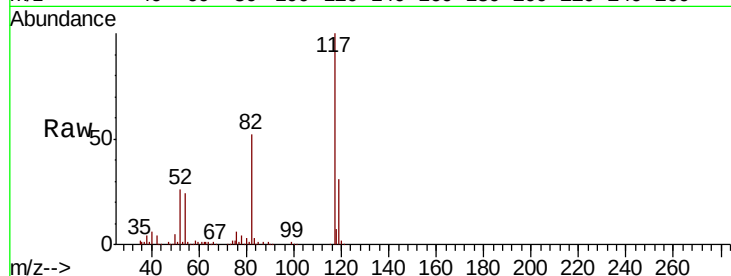




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063252.D
Acq: 30 Jul 2019 20:02

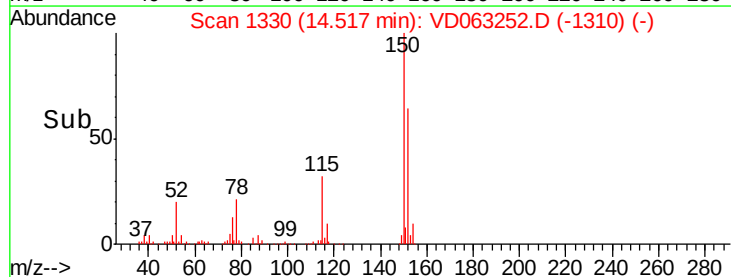
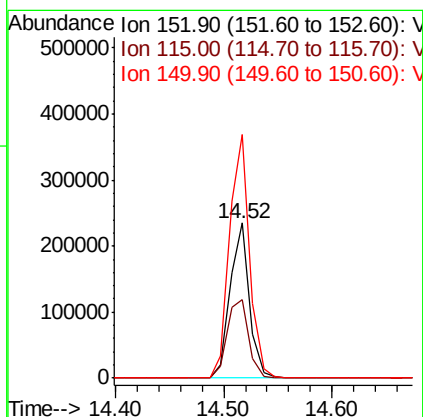
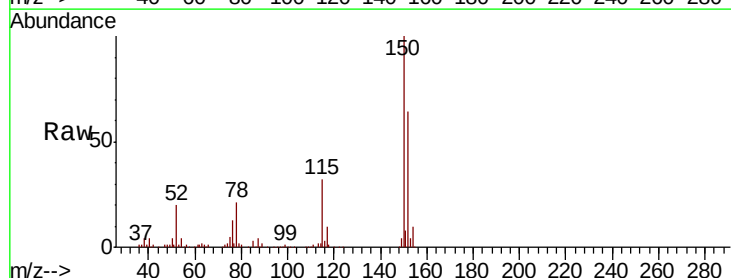
Instrument :
MSVOA_D
ClientSampleId :
SP-8RE

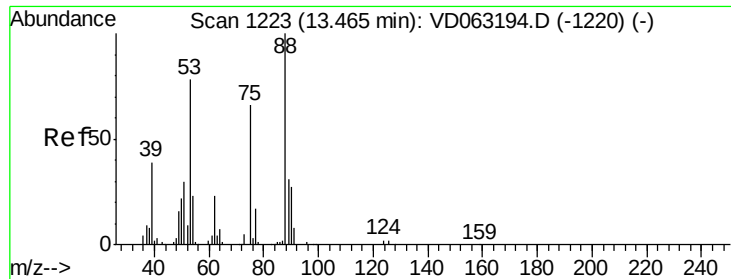
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.1	60.1
119	31.5	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063252.D
Acq: 30 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.8	27.5	82.4
150	157.1	0.0	320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 128.713 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063252.D

Acq: 30 Jul 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

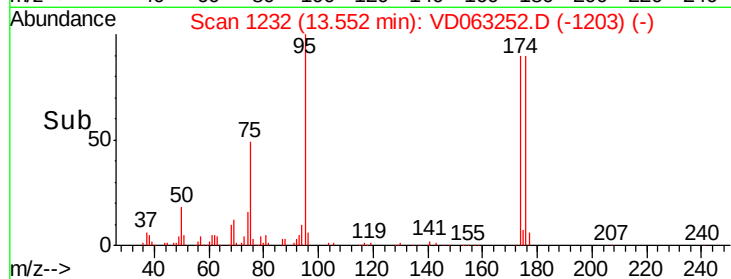
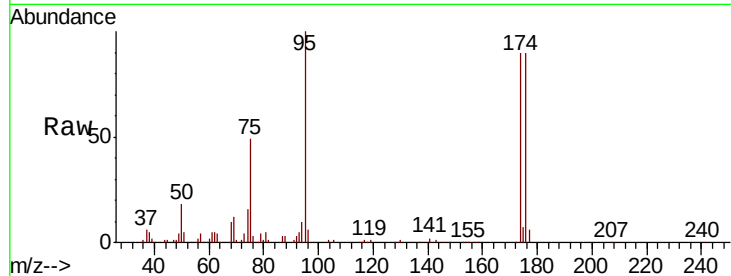
Tot Ion: 75 Resp: 125181

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

