

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062527.D
 Acq On : 24 May 2019 12:55
 Operator : VA/AP
 Sample : VD0524SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBL01

Quant Time: May 24 22:08:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	380370	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	491346	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	415114	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	246093	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	207837	51.05	ug/l	-0.01
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	6.92	113	204671	46.17	ug/l	-0.02
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.41	98	426148	43.93	ug/l	-0.02
Spiked Amount			Recovery	=	87.86%	
62) 4-Bromofluorobenzene	13.56	95	203327	47.92	ug/l	-0.01
Spiked Amount			Recovery	=	95.84%	

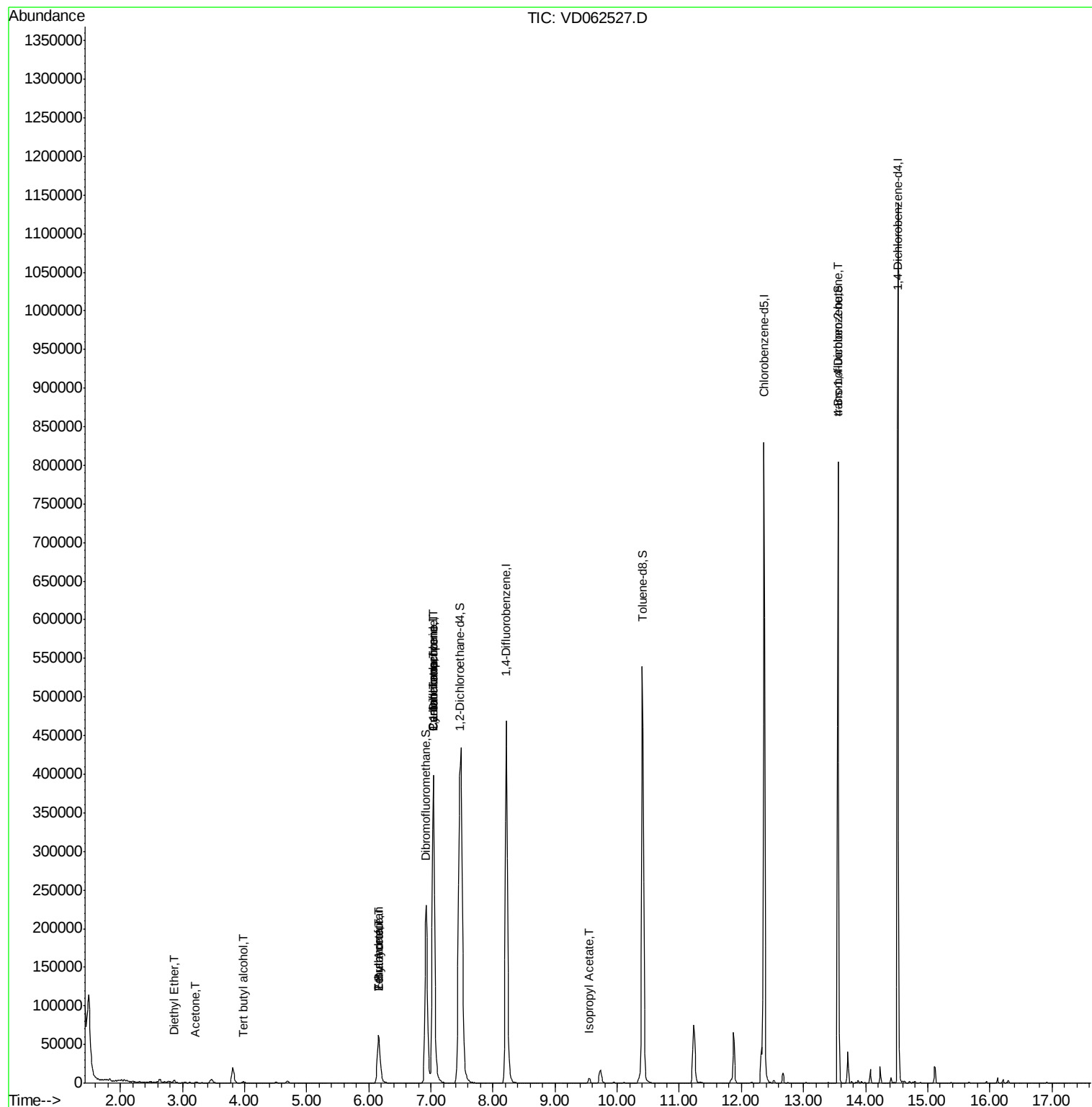
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	569	Below Cal	#	42
8) Diethyl Ether	2.86	74	1161	1.343	ug/l	61
11) Tert butyl alcohol	3.98	59	1687	8.976	ug/l #	76
16) Acetone	3.21	43	3666	5.024	ug/l	96
20) Methylene Chloride	3.81	84	12209	Below Cal	#	85
25) 2-Butanone	6.15	43	5774	7.566	ug/l #	56
29) Tetrahydrofuran	6.16	42	1417	3.888	ug/l #	30
31) Cyclohexane	7.03	56	8983	2.337	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	31430	6.691	ug/l #	48
37) Ethyl Acetate	6.15	43	5774	3.164	ug/l #	58
38) Carbon Tetrachloride	7.04	117	40252	5.765	ug/l #	15
43) Isopropyl Acetate	9.55	43	4839	1.999	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	106333	130.070	ug/l #	16

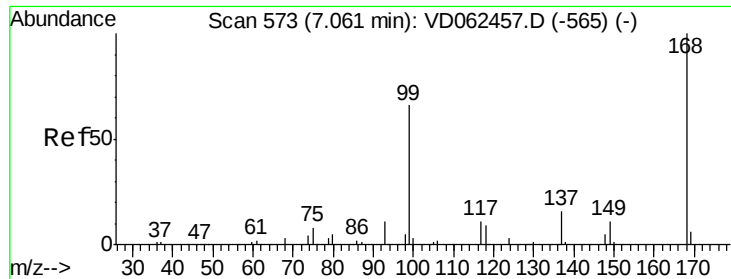
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052419\
Data File : VD062527.D
Acq On : 24 May 2019 12:55
Operator : VA/AP
Sample : VD0524SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBL01

Quant Time: May 24 22:08:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

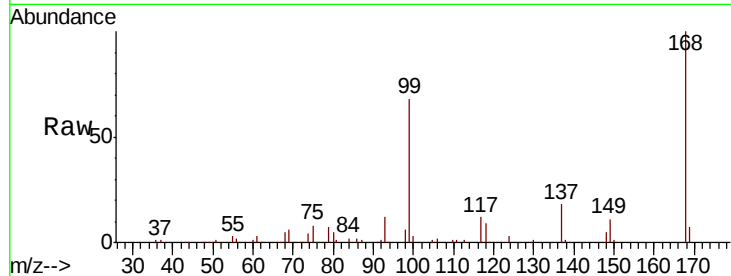
VD0524SBL01

Tot Ion:168 Resp: 380370

Ion Ratio Lower Upper

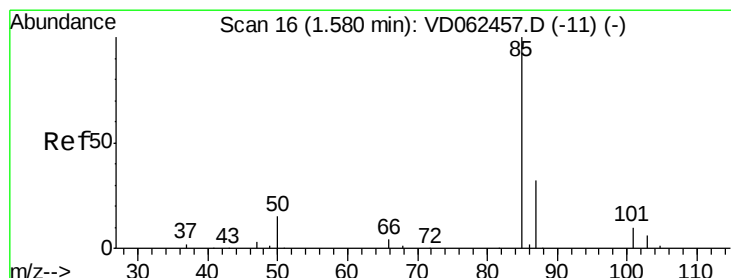
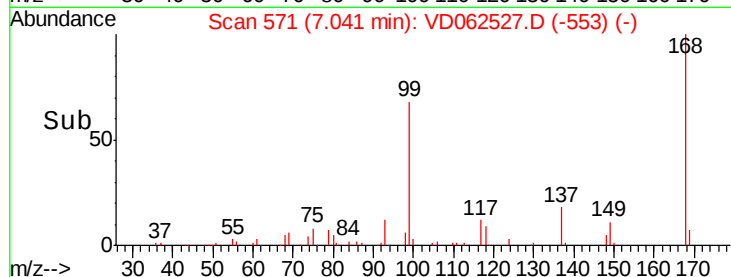
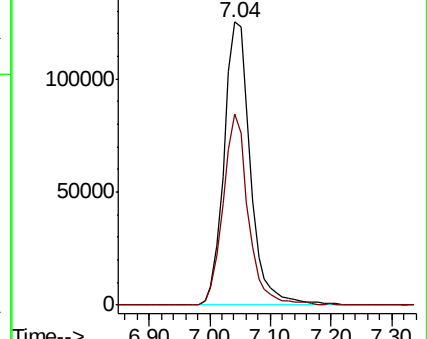
168 100

99 67.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062527.D

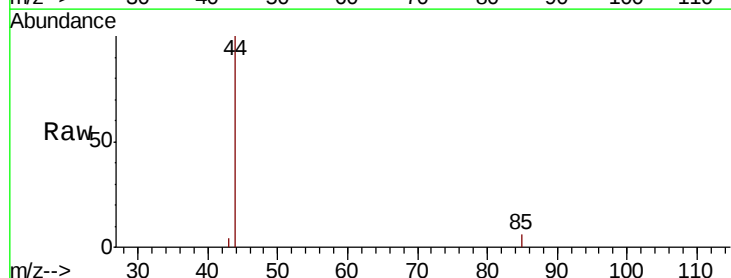
Acq: 24 May 2019 12:55

Tgt Ion: 85 Resp: 569

Ion Ratio Lower Upper

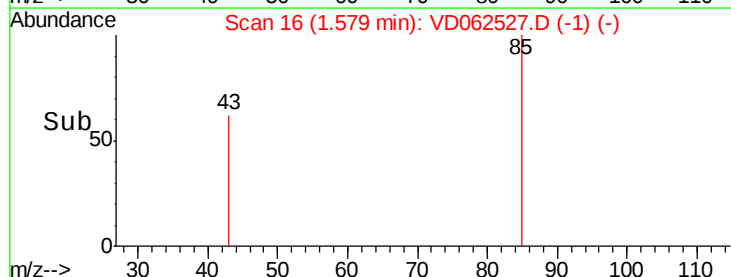
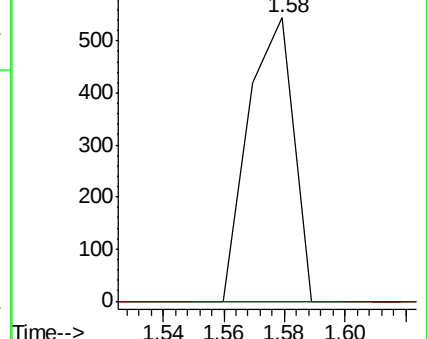
85 100

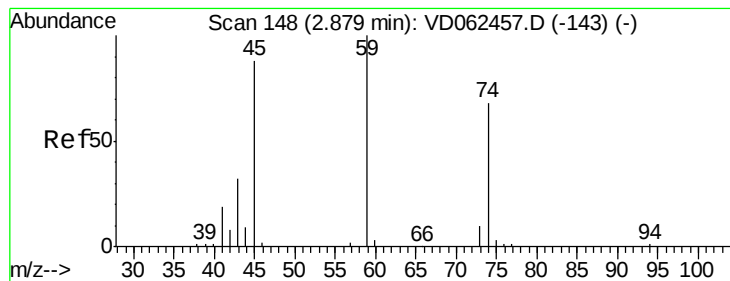
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.343 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

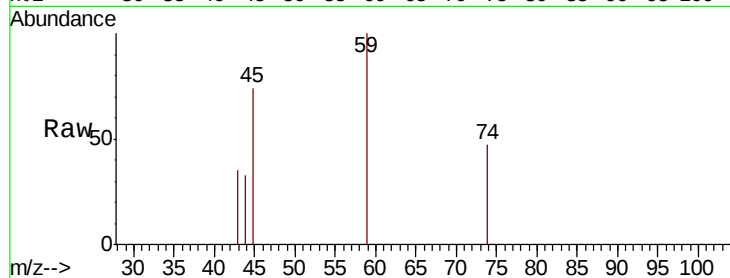
VD0524SBL01

Tot Ion: 74 Resp: 1161

Ion Ratio Lower Upper

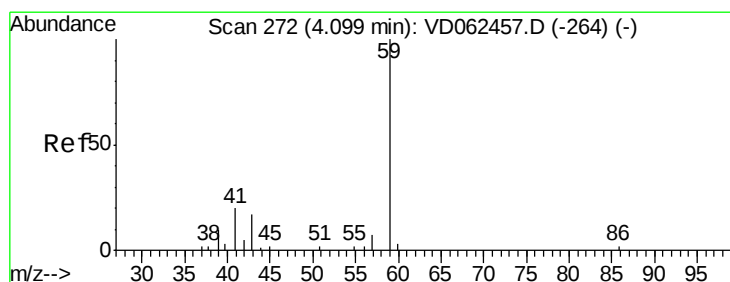
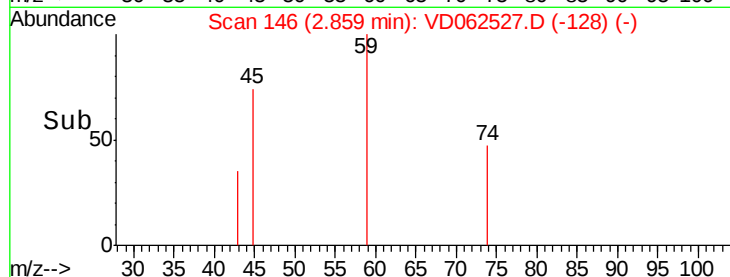
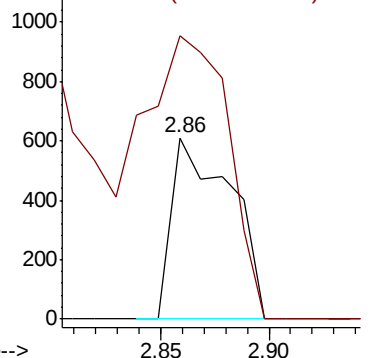
74 100

45 156.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 8.976 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.12 min

Lab File: VD062527.D

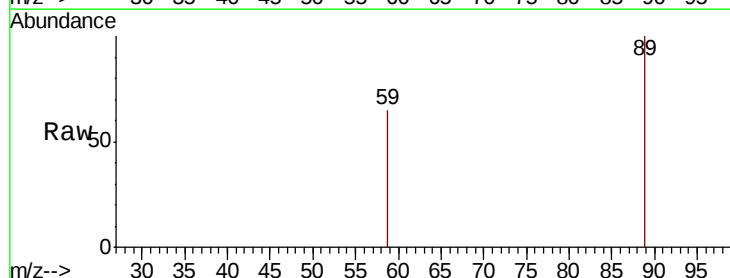
Acq: 24 May 2019 12:55

Tgt Ion: 59 Resp: 1687

Ion Ratio Lower Upper

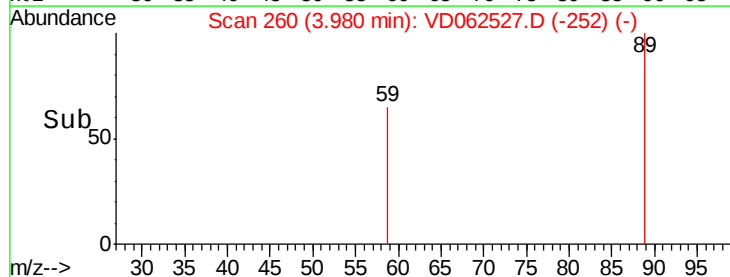
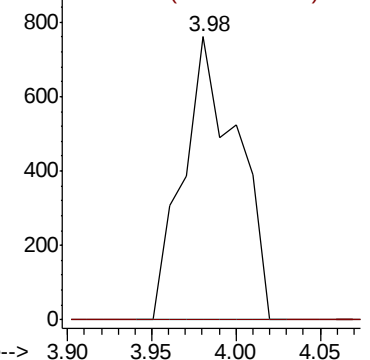
59 100

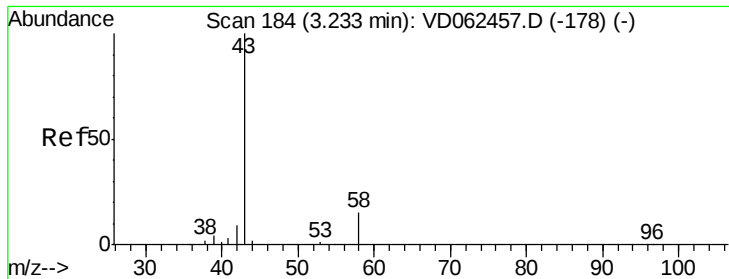
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.024 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

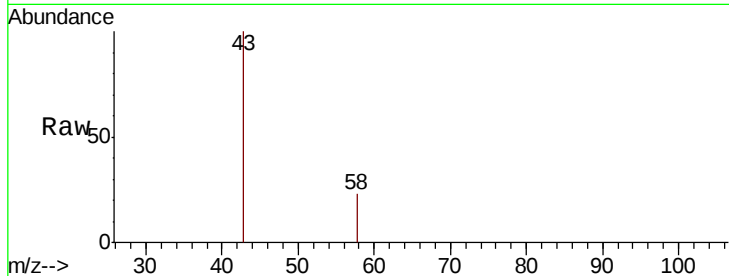
VD0524SBL01

Tot Ion: 43 Resp: 3666

Ion Ratio Lower Upper

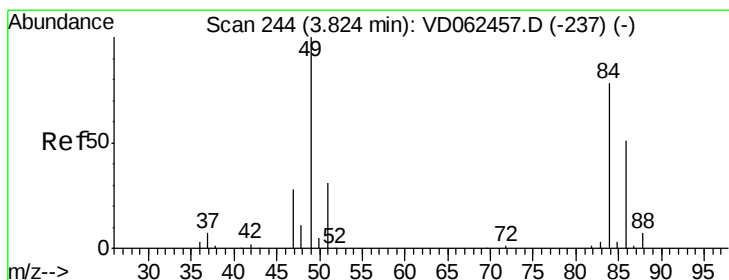
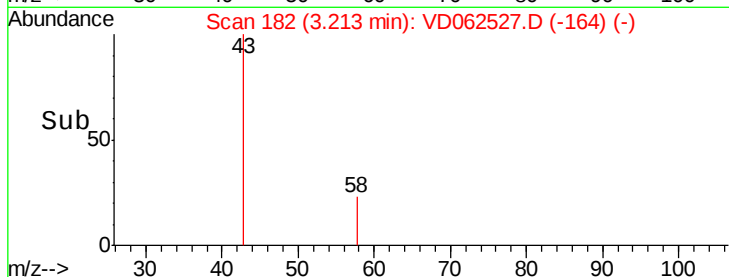
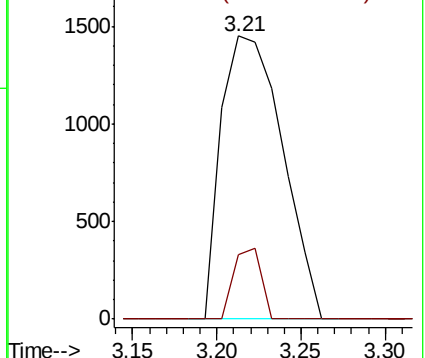
43 100

58 22.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Tgt Ion: 84 Resp: 12209

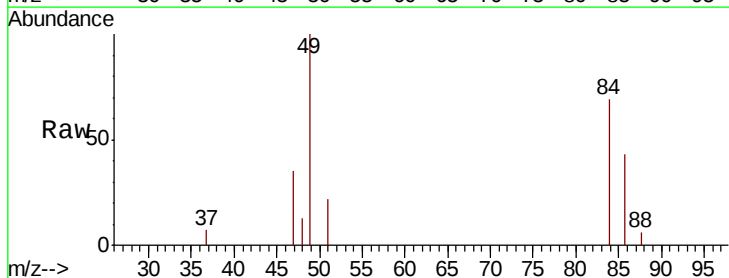
Ion Ratio Lower Upper

84 100

49 145.7 94.0 141.0#

51 31.7 29.0 43.4

86 62.4 49.8 74.6

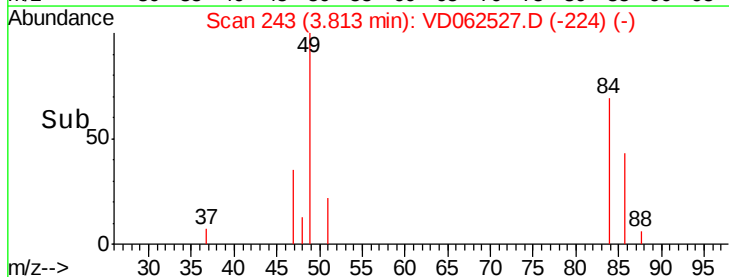
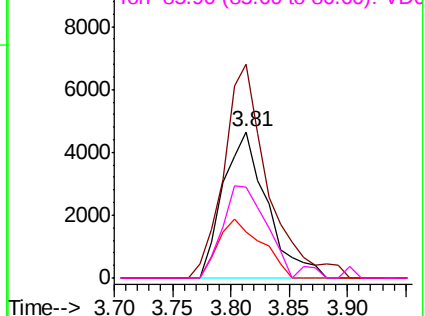


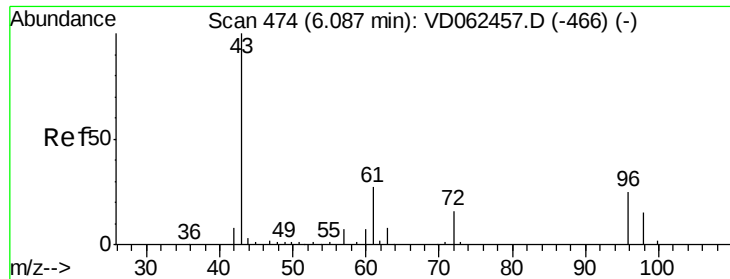
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 7.566 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.06 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

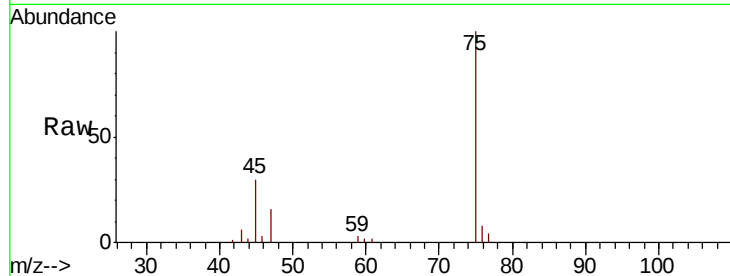
VD0524SBL01

Tot Ion: 43 Resp: 5774

Ion Ratio Lower Upper

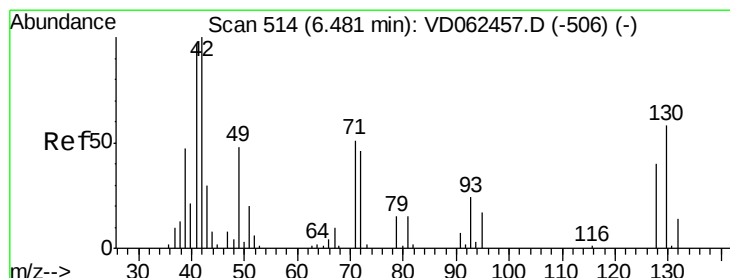
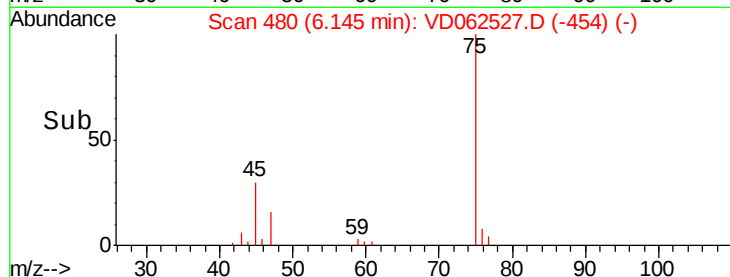
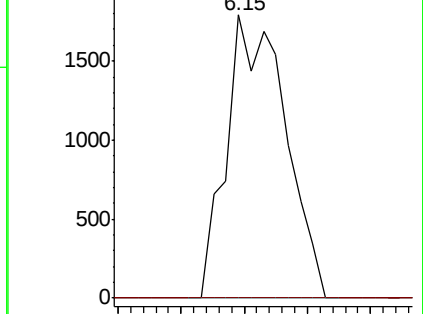
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.888 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.33 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

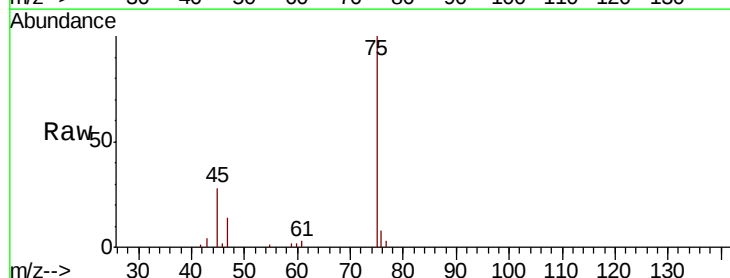
Tgt Ion: 42 Resp: 1417

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

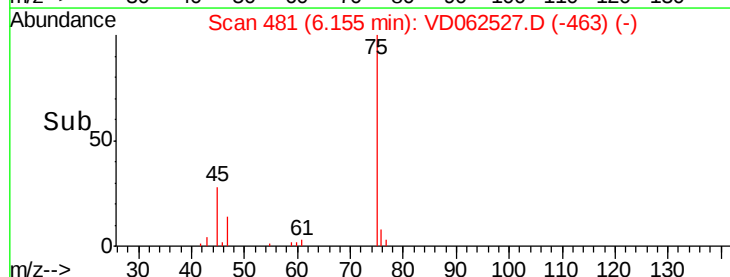
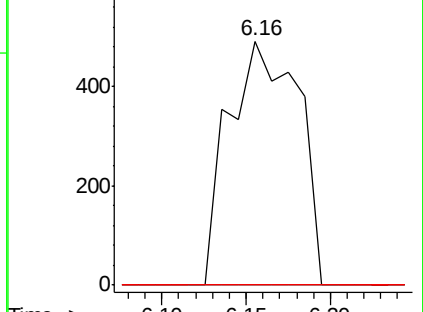
71 0.0 36.7 55.1#

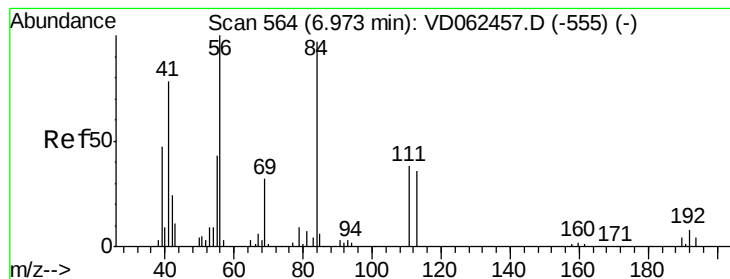


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.337 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.06 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBL01

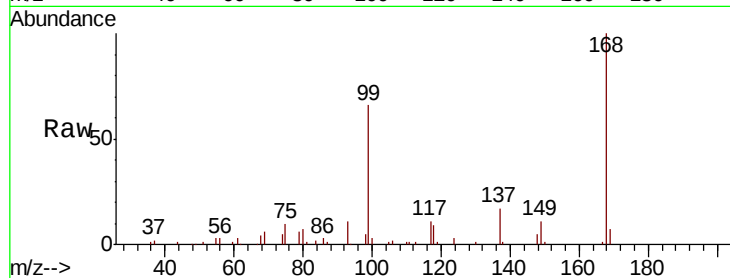
Tot Ion: 56 Resp: 8983

Ion Ratio Lower Upper

56 100

69 197.4 25.8 38.6#

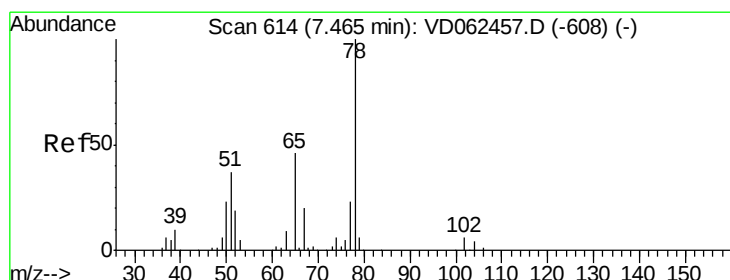
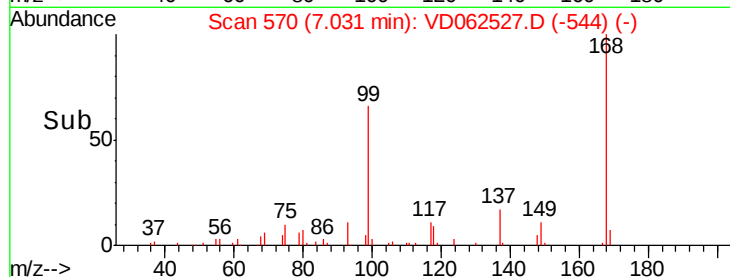
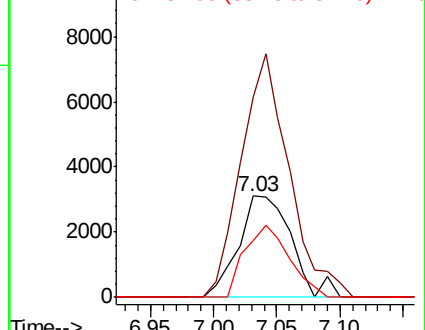
84 56.4 72.2 108.4#



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: 51.045 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062527.D

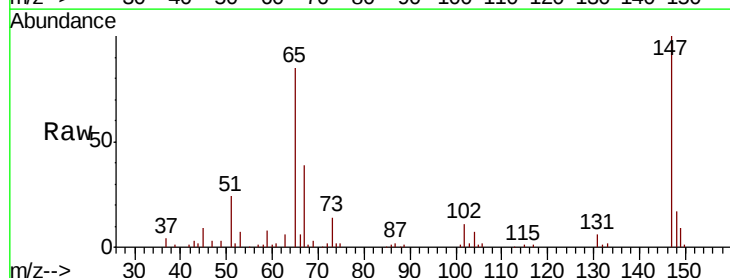
Acq: 24 May 2019 12:55

Tgt Ion: 65 Resp: 207837

Ion Ratio Lower Upper

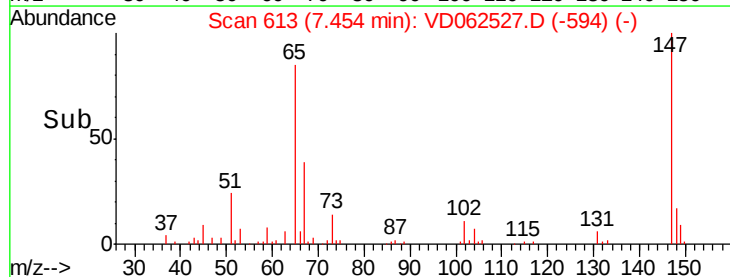
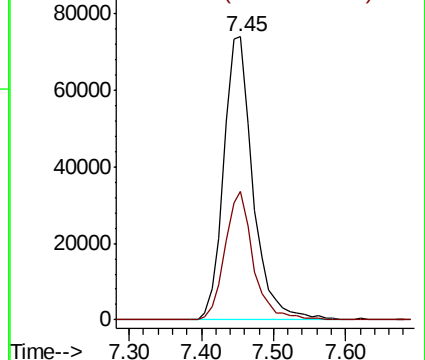
65 100

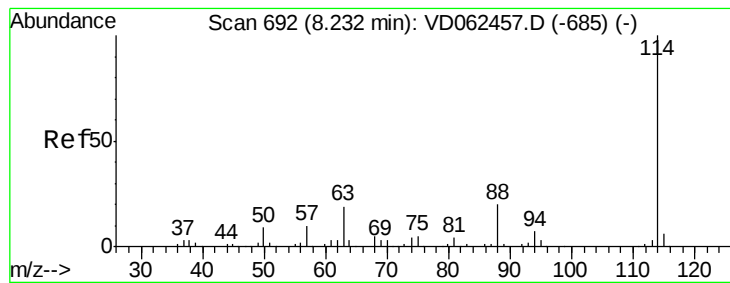
67 45.5 0.0 98.0



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# 690

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBL01

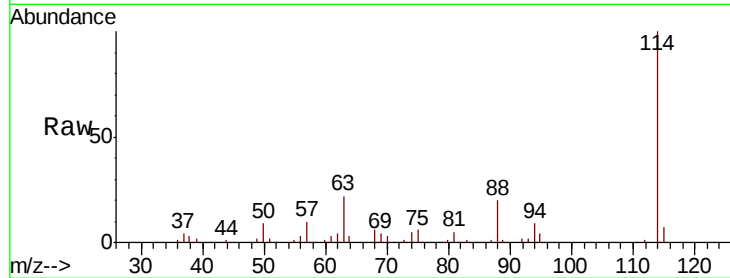
Tot Ion:114 Resp: 491346

Ion Ratio Lower Upper

114 100

63 21.8 0.0 32.4

88 19.7 0.0 33.6

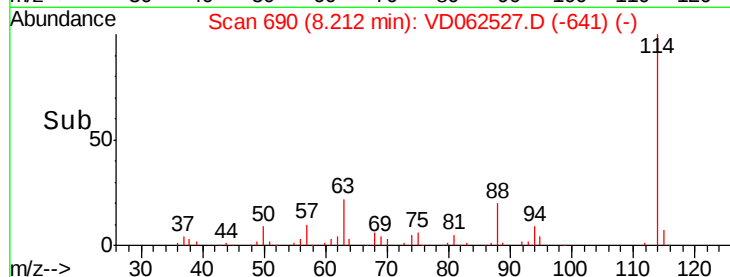


Abundance Ion 114.00 (113.70 to 114.70): V

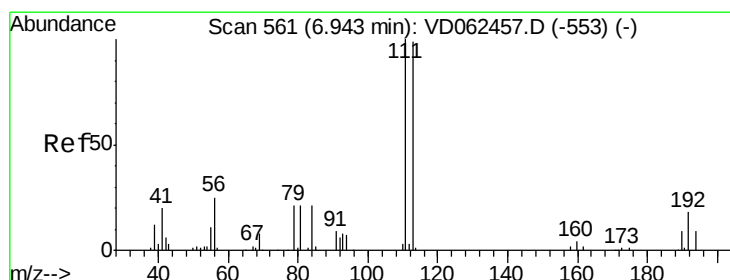
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.21



Time-->



#35

Dibromofluoromethane

Concen: 46.175 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

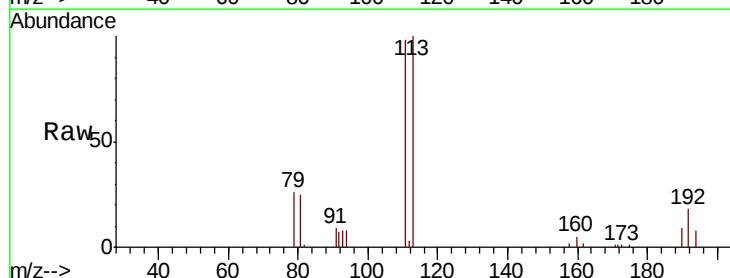
Tgt Ion:113 Resp: 204671

Ion Ratio Lower Upper

113 100

111 98.5 78.5 117.7

192 17.8 13.0 19.4

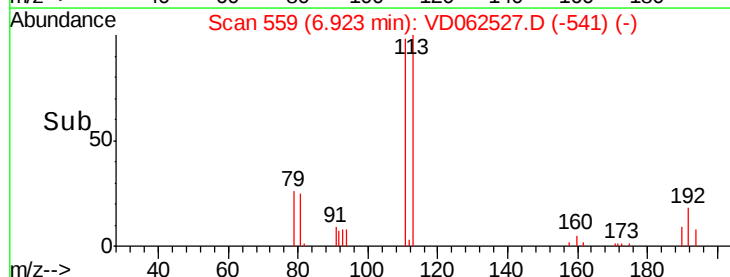


Abundance Ion 112.90 (112.60 to 113.60): V

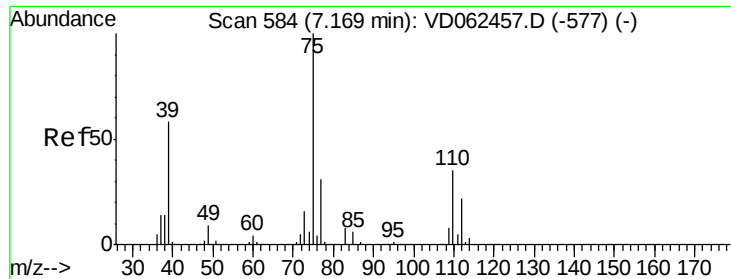
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.92



Time-->



#36

1,1-Dichloropropene

Concen: 6.691 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.13 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBL01

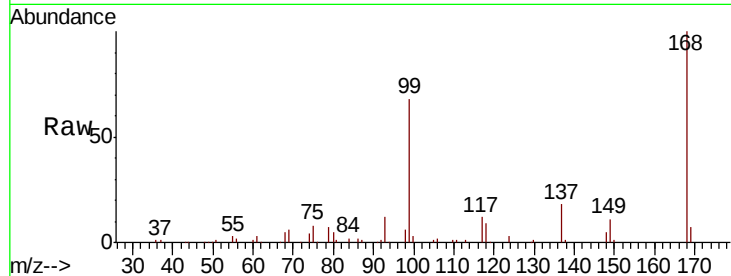
Tot Ion: 75 Resp: 31430

Ion Ratio Lower Upper

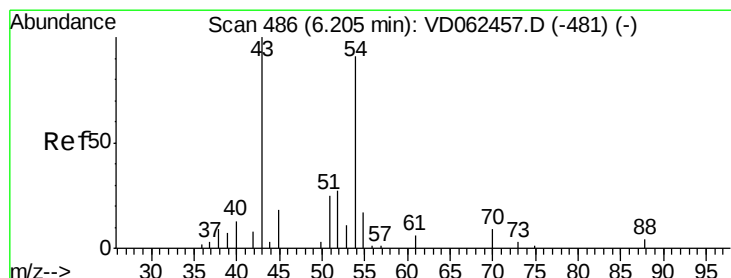
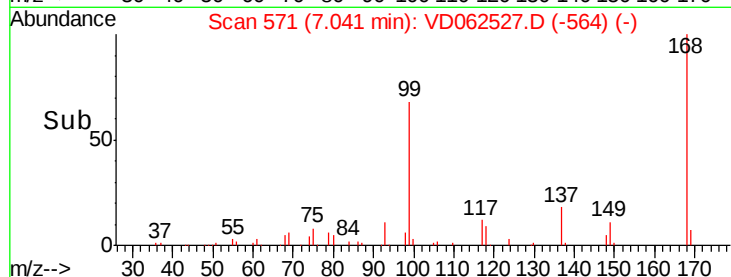
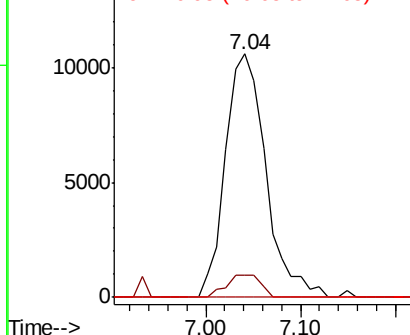
75 100

110 9.3 19.1 57.1#

77 0.0 25.6 38.4#



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



#37

Ethyl Acetate

Concen: 3.164 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.06 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

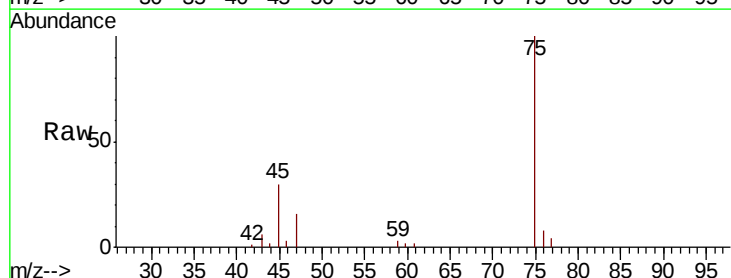
Tgt Ion: 43 Resp: 5774

Ion Ratio Lower Upper

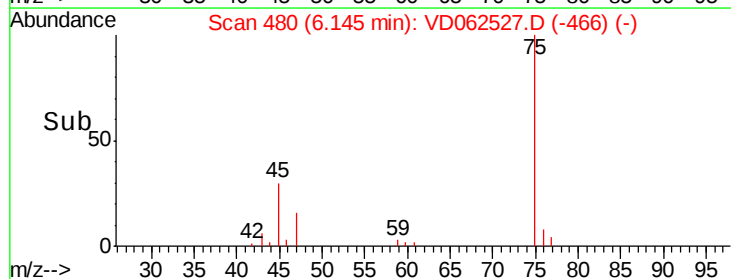
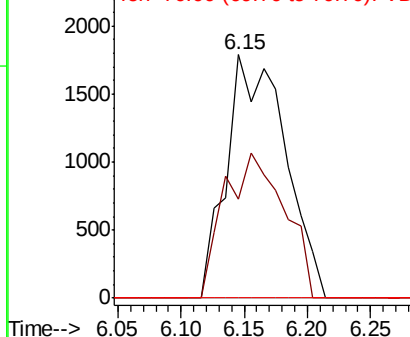
43 100

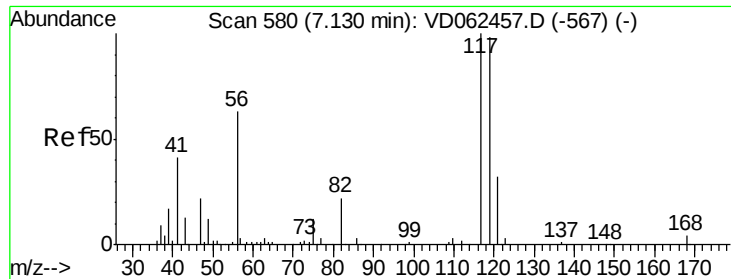
61 40.8 14.7 22.1#

70 0.0 7.8 11.6#



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

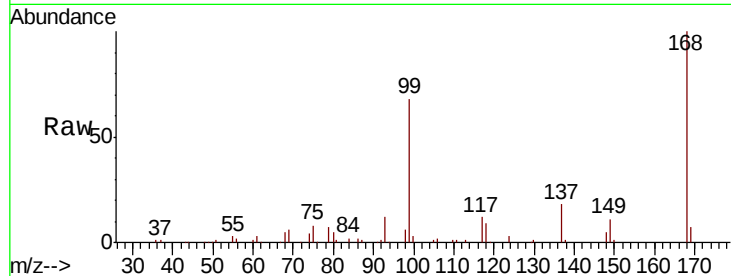




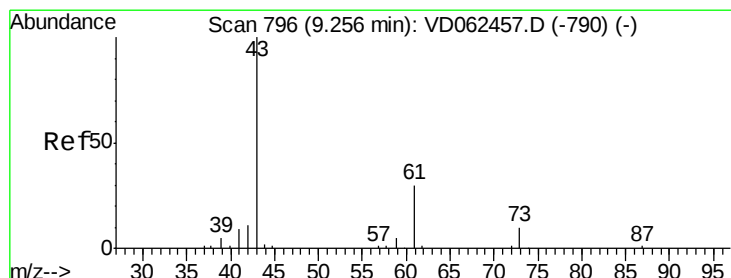
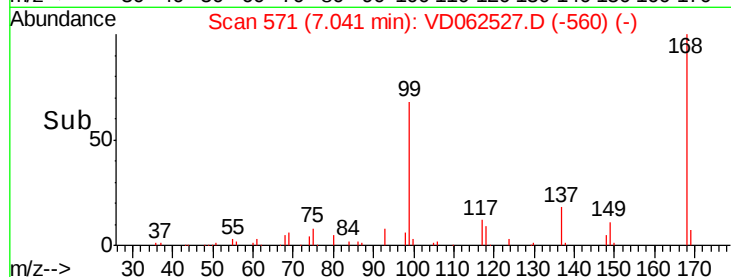
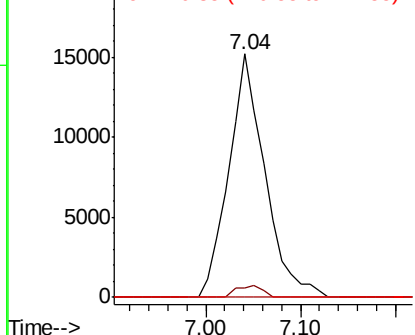
#38
Carbon Tetrachloride
Concen: 5.765 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.09 min
Lab File: VD062527.D
Acq: 24 May 2019 12:55

Instrument :
MSVOA_D
ClientSampleId :
VD0524SBL01

Tot Ion:117 Resp: 40252
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 25.9 38.9#

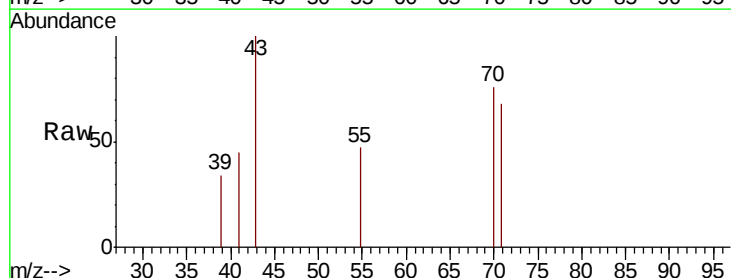


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

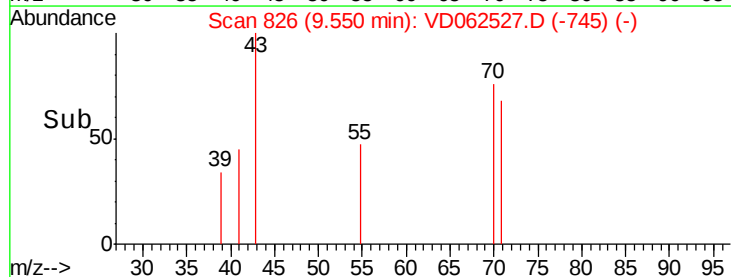
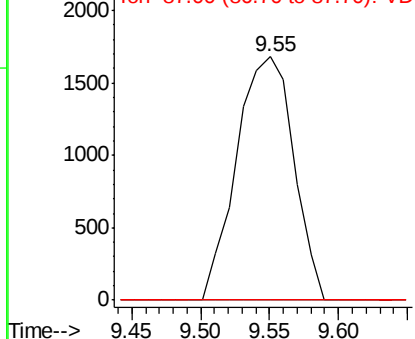


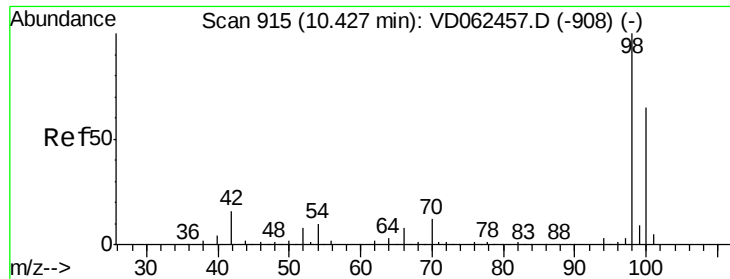
#43
Isopropyl Acetate
Concen: 1.999 ug/l
RT: 9.55 min Scan# 826
Delta R.T. 0.29 min
Lab File: VD062527.D
Acq: 24 May 2019 12:55

Tgt Ion: 43 Resp: 4839
Ion Ratio Lower Upper
43 100
61 0.0 25.1 37.7#
87 0.0 0.0 0.0



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





#50

Toluene-d8

Concen: 43.932 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

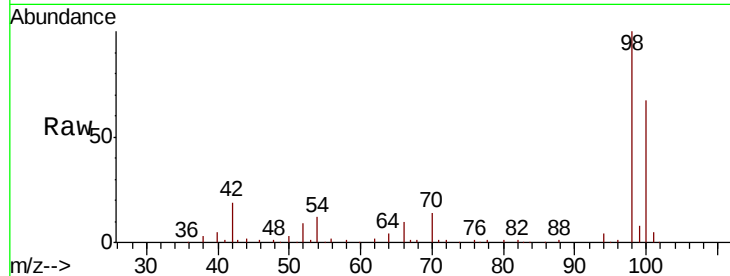
VD0524SBL01

Tot Ion: 98 Resp: 426148

Ion Ratio Lower Upper

98 100

100 67.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)

Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

200000

150000

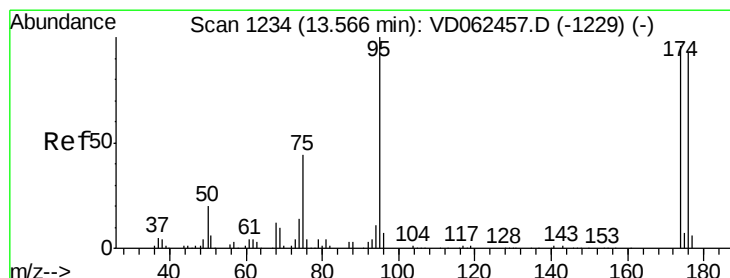
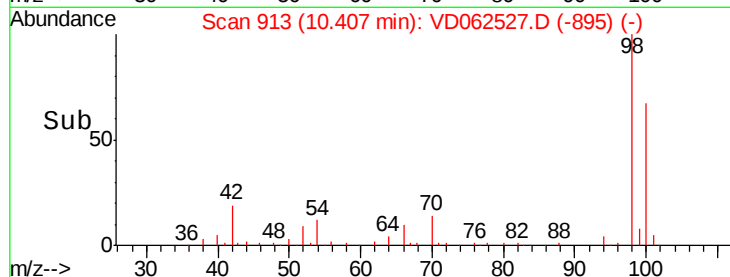
100000

50000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 47.918 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

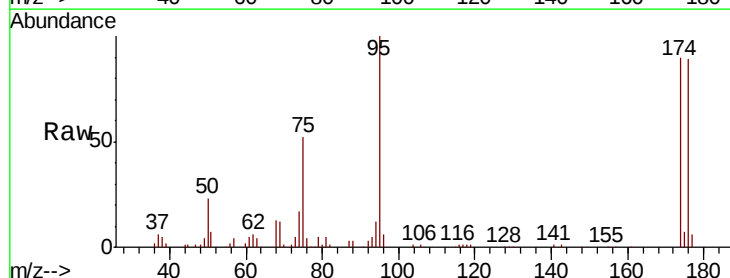
Tgt Ion: 95 Resp: 203327

Ion Ratio Lower Upper

95 100

174 90.2 0.0 181.8

176 89.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)

Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)

Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)

200000

150000

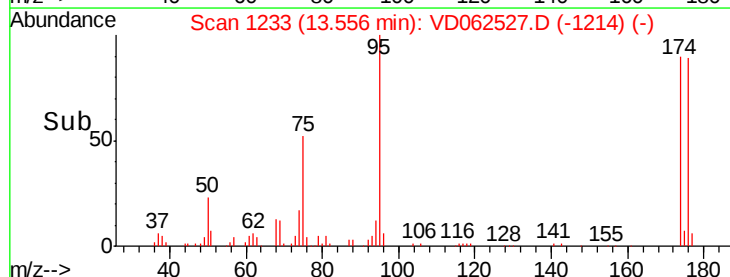
100000

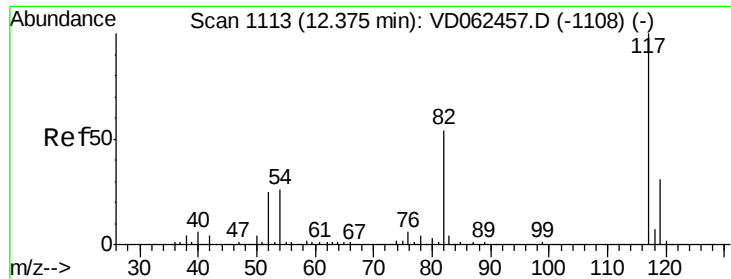
50000

0

13.50 13.55 13.60 13.65

Time-->

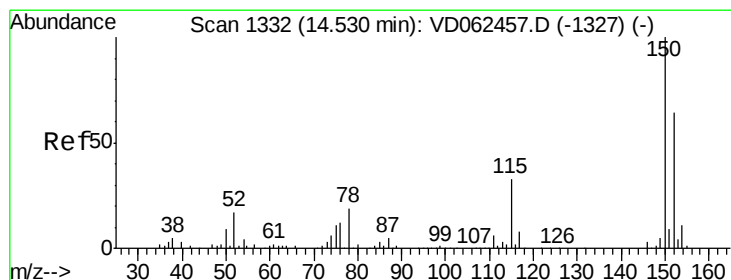
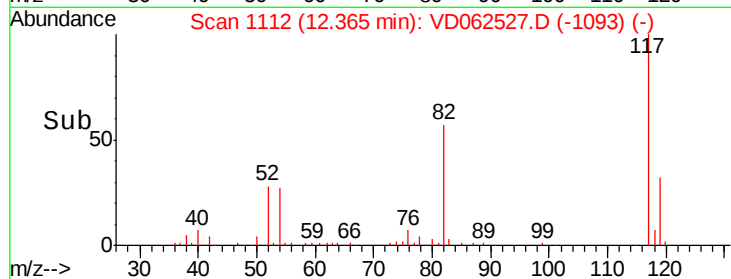
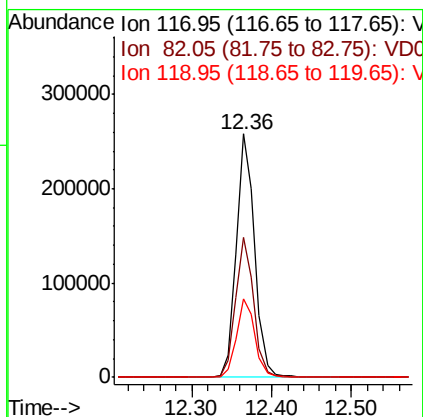
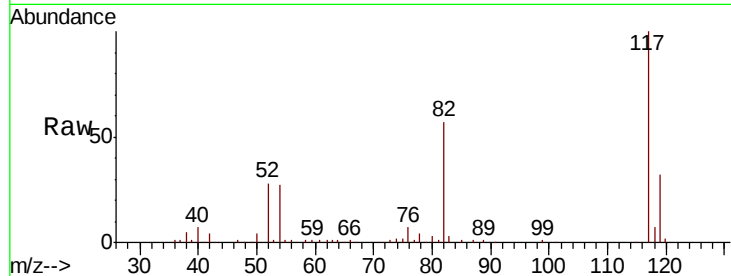




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062527.D
Acq: 24 May 2019 12:55

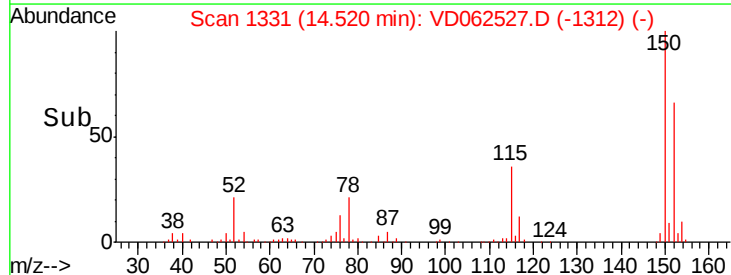
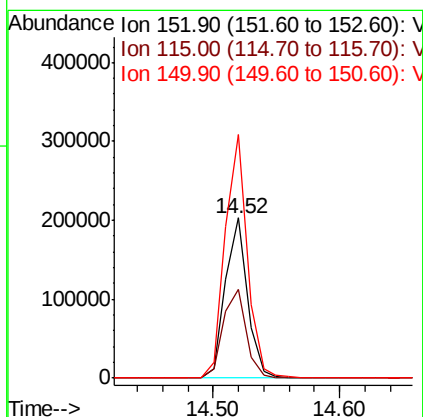
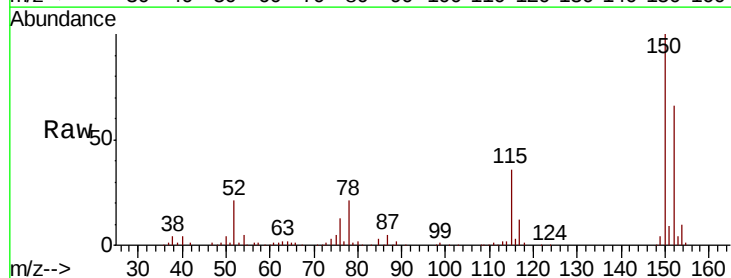
Instrument :
MSVOA_D
ClientSampleId :
VD0524SBL01

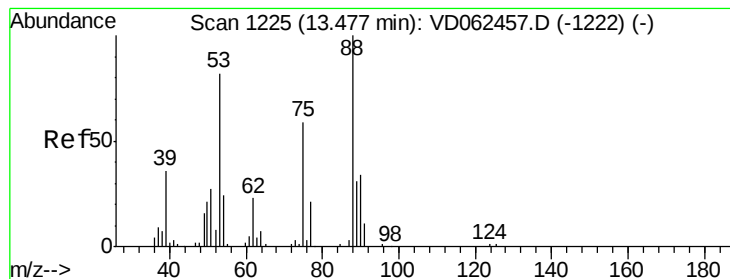
Tot Ion:117 Resp: 415114
Ion Ratio Lower Upper
117 100
82 57.3 36.2 54.2#
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062527.D
Acq: 24 May 2019 12:55

Tgt Ion:152 Resp: 246093
Ion Ratio Lower Upper
152 100
115 55.4 30.9 92.7
150 151.8 0.0 314.8





#81

trans-1,4-Dichloro-2-butene

Concen: 130.070 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062527.D

Acq: 24 May 2019 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0524SBL01

Tot Ion: 75 Resp: 106333

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

