

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062262.D
 Acq On : 12 May 2019 16:42
 Operator : FY/SY
 Sample : K2733-07
 Misc : 6.52g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-1218-01

Quant Time: May 13 01:34:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	519581	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	800913	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	520102	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	167589	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	274302	56.81	ug/l	0.05
Spiked Amount			Recovery	=	113.62%	
35) Dibromofluoromethane	6.94	113	332340	50.01	ug/l	0.05
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.42	98	586713	36.62	ug/l	0.03
Spiked Amount			Recovery	=	73.24%	
62) 4-Bromofluorobenzene	13.56	95	195714	30.42	ug/l	0.02
Spiked Amount			Recovery	=	60.84%	

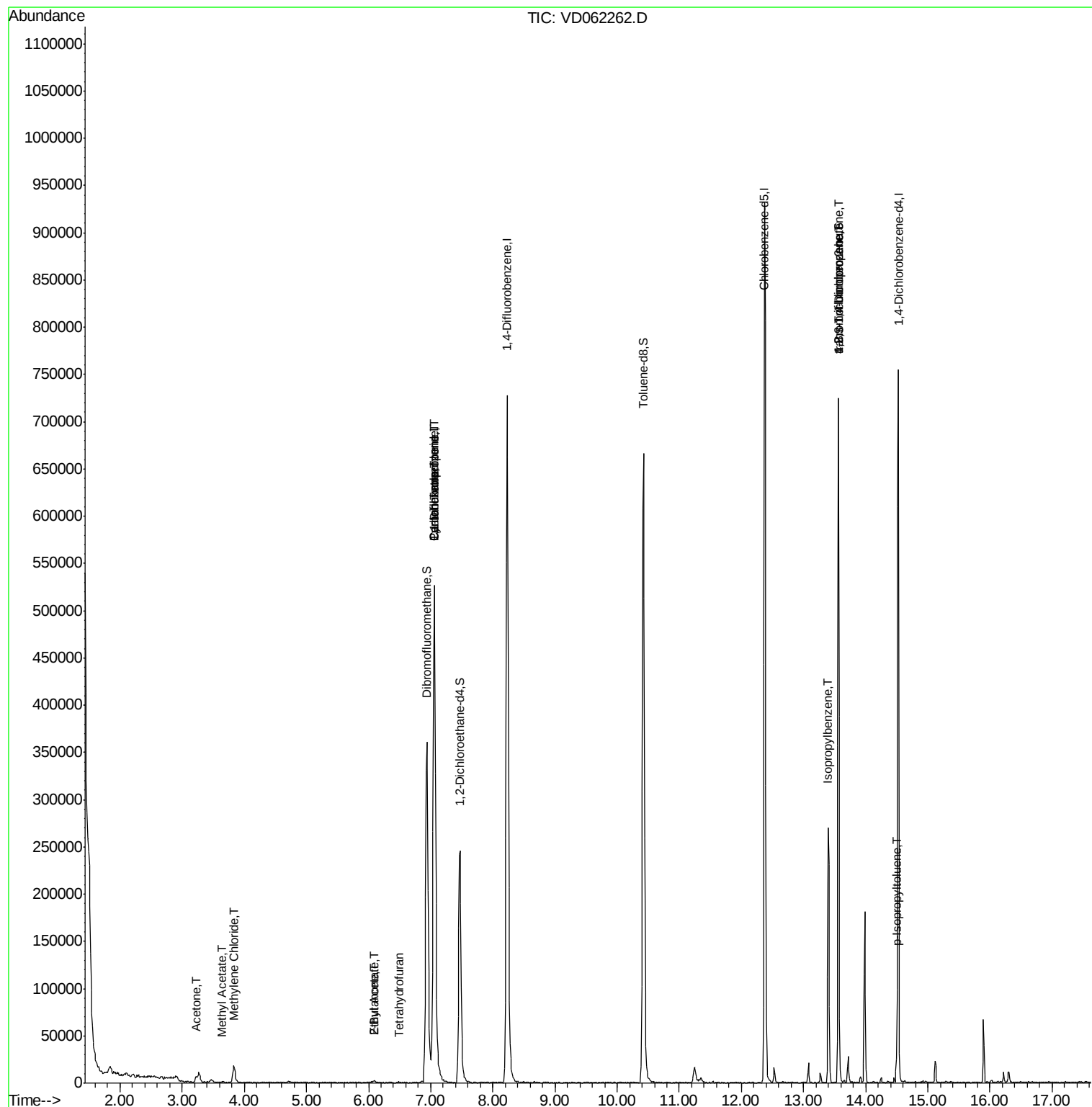
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	12329	12.176	ug/l #	86
18) Methyl Acetate	3.64	43	2416	1.037	ug/l #	53
20) Methylene Chloride	3.83	84	11742	2.777	ug/l #	88
25) 2-Butanone	6.09	43	4908	4.444	ug/l	99
29) Tetrahydrofuran	6.49	42	564	1.108	ug/l #	30
31) Cyclohexane	7.06	56	10219	2.017	ug/l #	17
36) 1,1-Dichloropropene	7.06	75	39639	6.036	ug/l #	47
37) Ethyl Acetate	6.09	43	4908	1.762	ug/l #	64
38) Carbon Tetrachloride	7.06	117	54644	6.012	ug/l #	16
73) Isopropylbenzene	13.39	105	13009	1.295	ug/l #	51
76) 1,2,3-Trichloropropane	13.56	75	80641	40.489	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	84209	149.770	ug/l #	16
86) p-Isopropyltoluene	14.50	119	11255	1.208	ug/l	89

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

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Quant Time: May 13 01:34:19 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

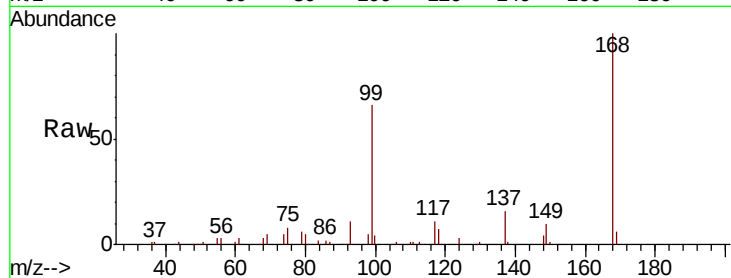
P021-SS001-1218-01

Tot Ion:168 Resp: 519581

Ion Ratio Lower Upper

168 100

99 65.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

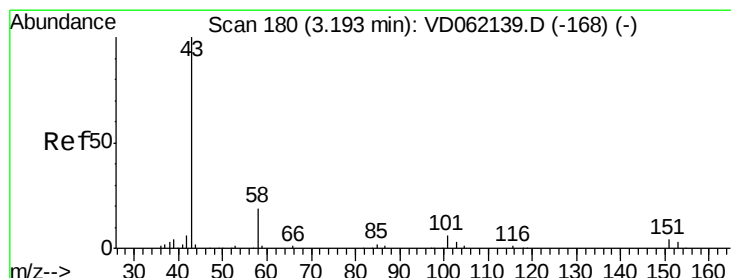
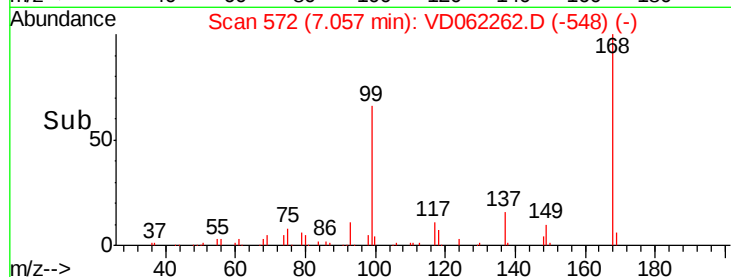
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 12.176 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD062262.D

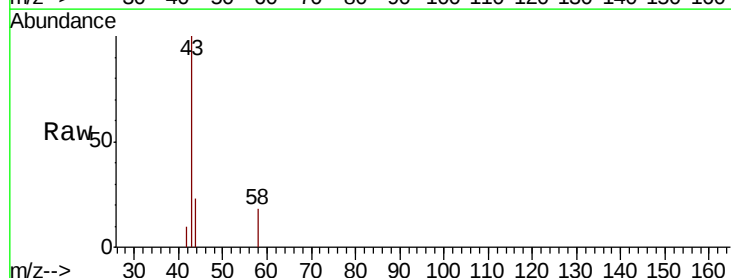
Acq: 12 May 2019 16:42

Tgt Ion: 43 Resp: 12329

Ion Ratio Lower Upper

43 100

58 17.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

5000

4000

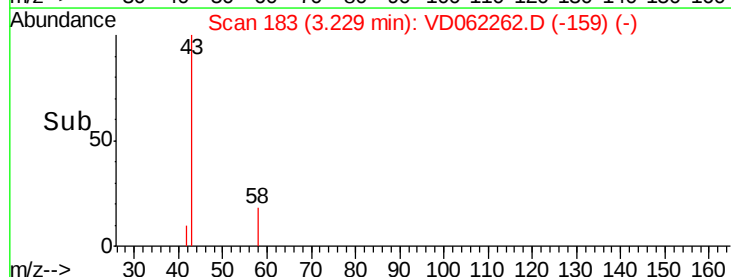
3000

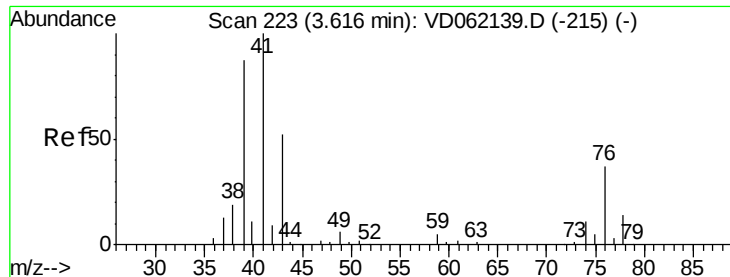
2000

1000

0

Time--> 3.20 3.30





#18

Methyl Acetate

Concen: 1.037 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

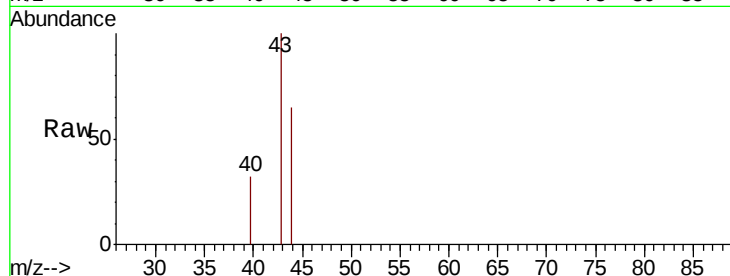
P021-SS001-1218-01

Tot Ion: 43 Resp: 2416

Ion Ratio Lower Upper

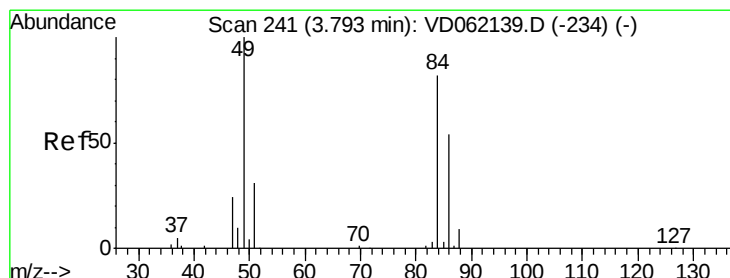
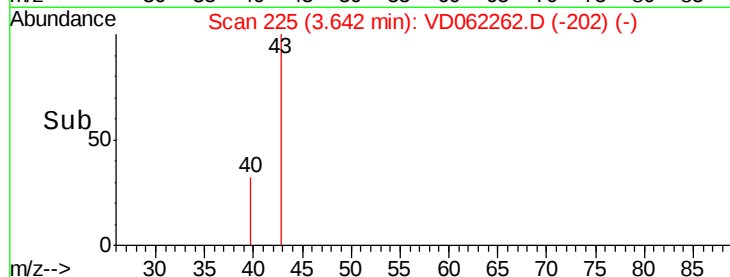
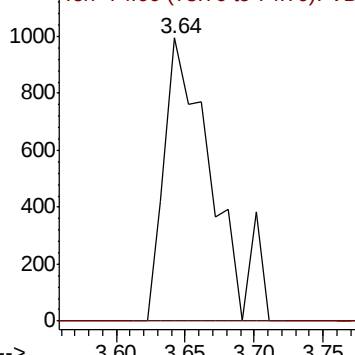
43 100

74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 2.777 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.04 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Tgt Ion: 84 Resp: 11742

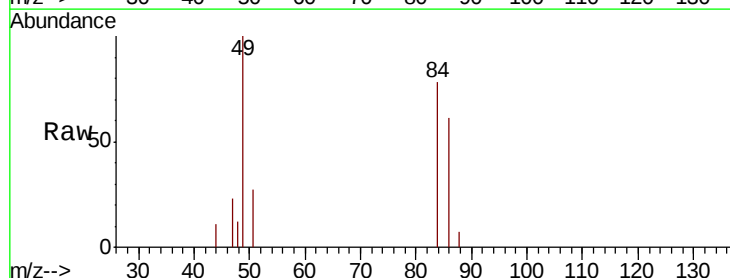
Ion Ratio Lower Upper

84 100

49 128.5 94.0 141.0

51 35.3 29.0 43.4

86 78.3 49.8 74.6#

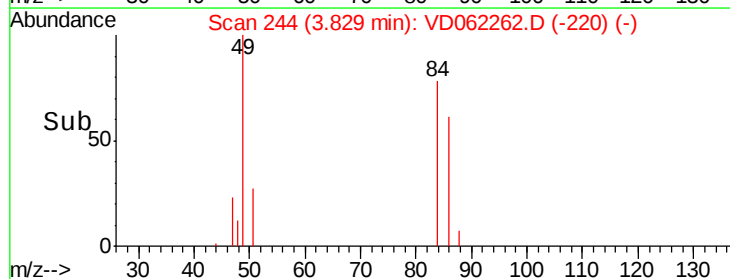
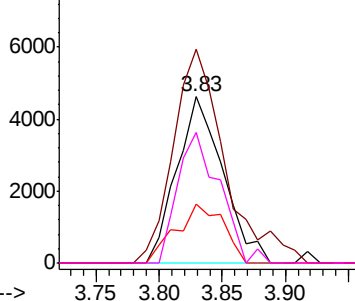


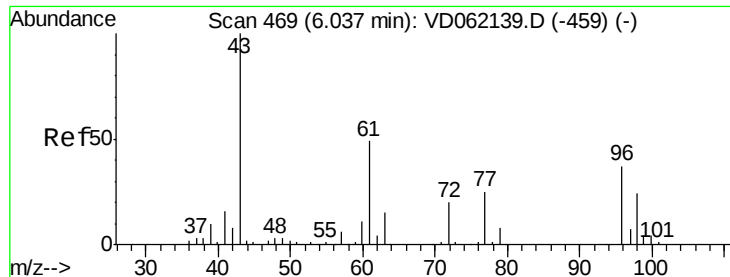
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.444 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.06 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

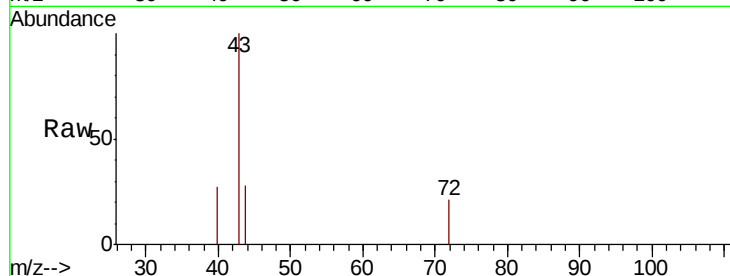
P021-SS001-1218-01

Tot Ion: 43 Resp: 4908

Ion Ratio Lower Upper

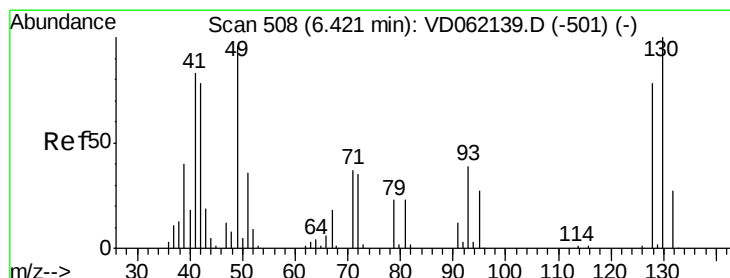
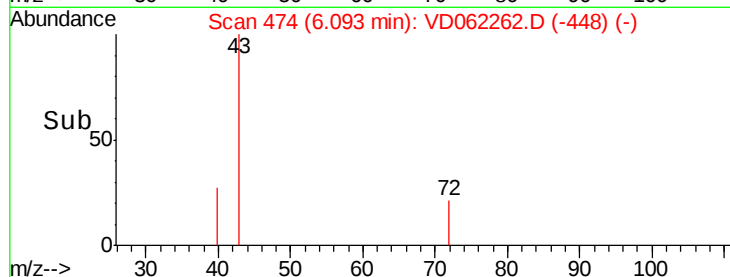
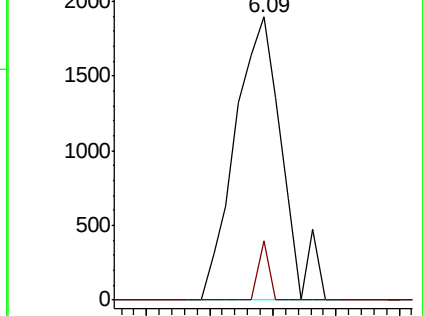
43 100

72 20.9 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: 1.108 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.07 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

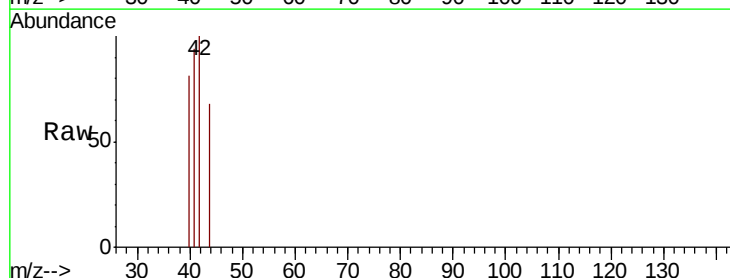
Tgt Ion: 42 Resp: 564

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

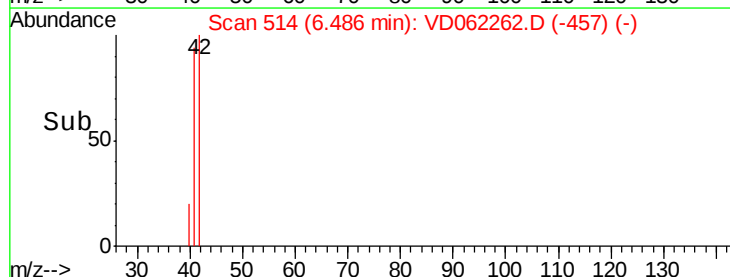
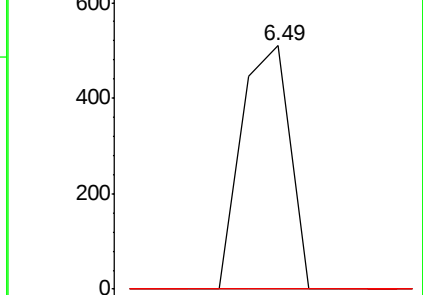
71 0.0 36.7 55.1#

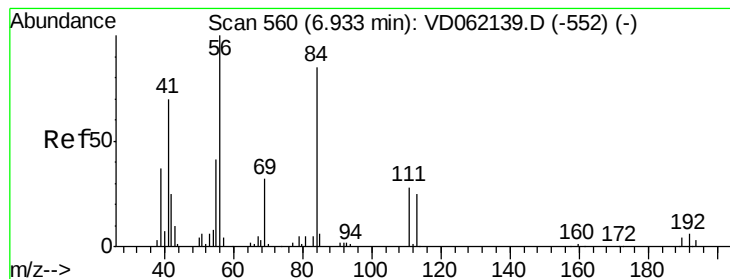


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cvclohexane

Concen: 2.017 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1218-01

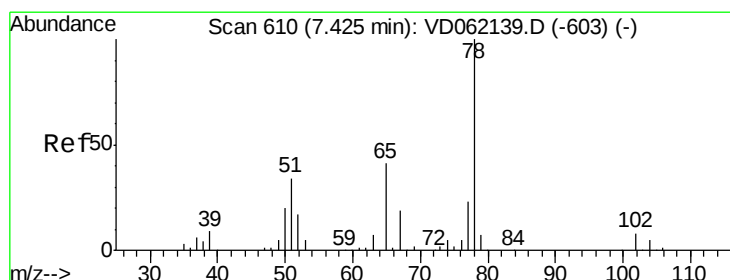
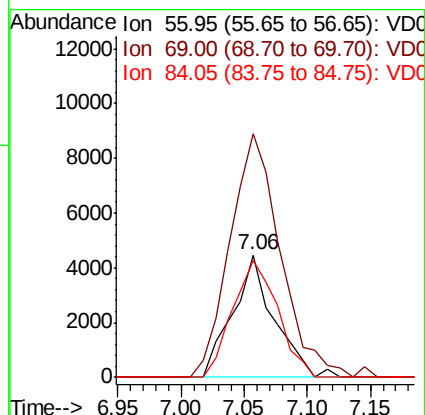
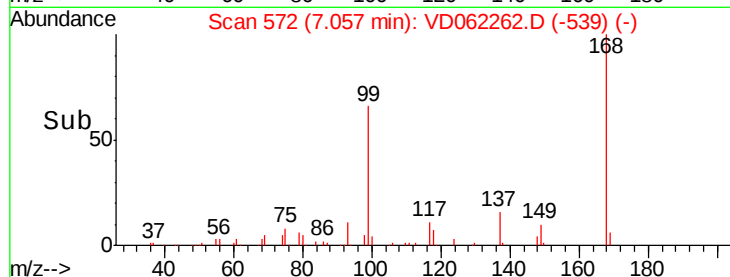
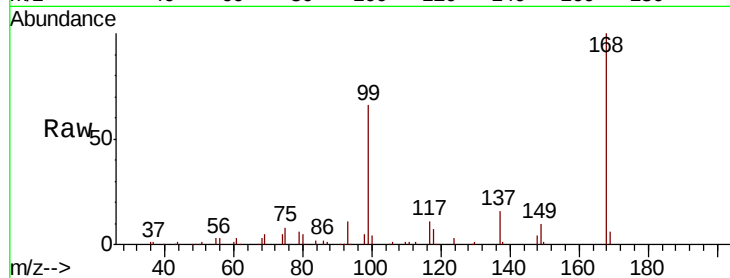
Tot Ion: 56 Resp: 10219

Ion Ratio Lower Upper

56 100

69 199.1 25.8 38.6#

84 95.9 72.2 108.4



#33

1,2-Dichloroethane-d4

Concen: 56.809 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.05 min

Lab File: VD062262.D

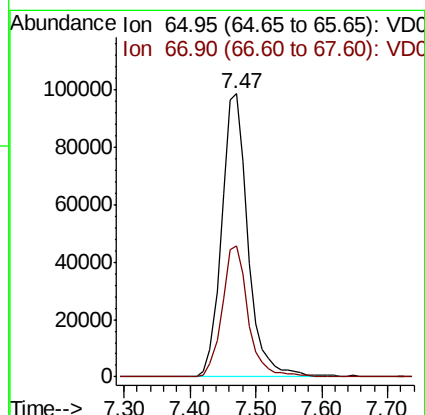
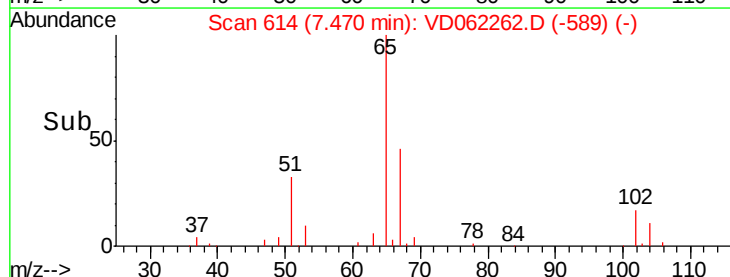
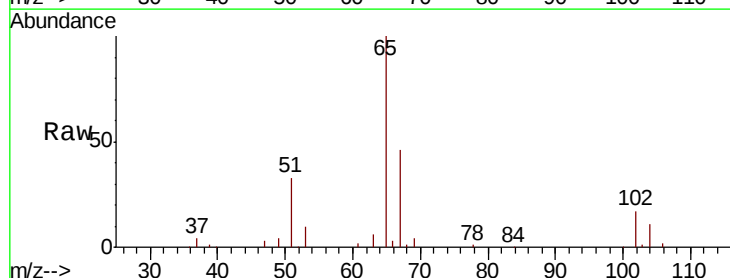
Acq: 12 May 2019 16:42

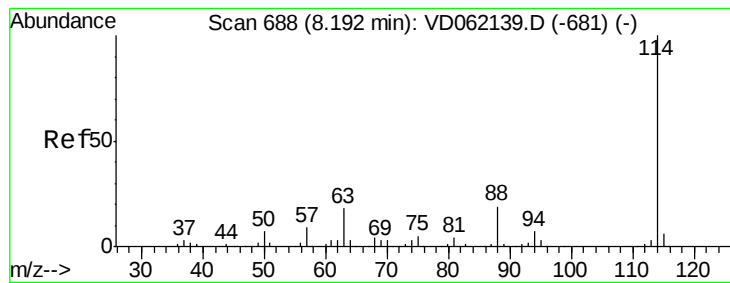
Tgt Ion: 65 Resp: 274302

Ion Ratio Lower Upper

65 100

67 46.3 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1218-01

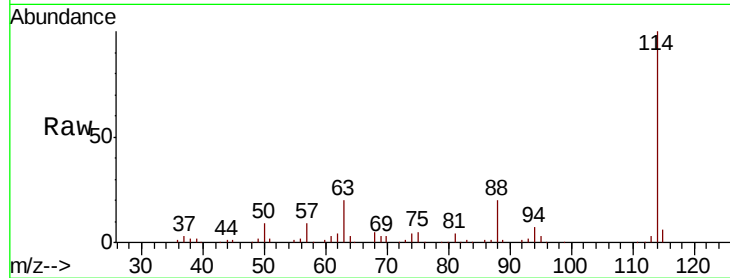
Tot Ion:114 Resp: 800913

Ion Ratio Lower Upper

114 100

63 20.1 0.0 32.4

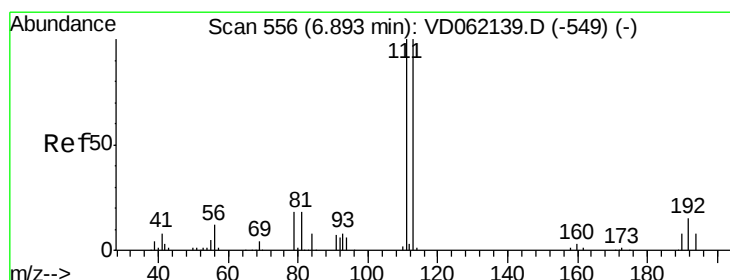
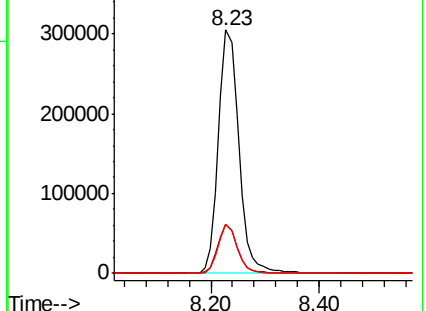
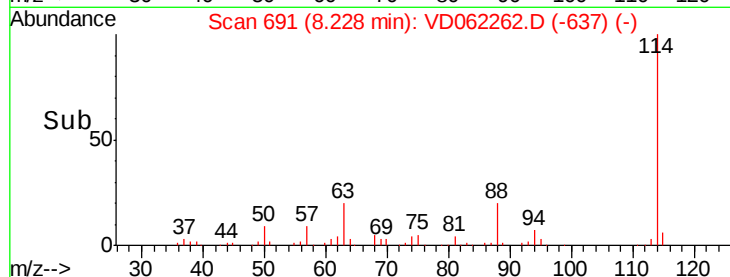
88 20.1 0.0 33.6



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



#35

Dibromofluoromethane

Concen: 50.012 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.05 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

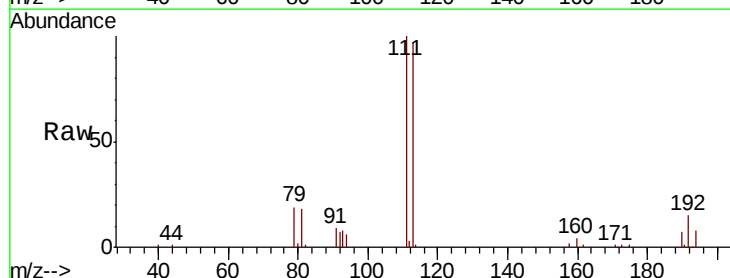
Tgt Ion:113 Resp: 332340

Ion Ratio Lower Upper

113 100

111 103.2 78.5 117.7

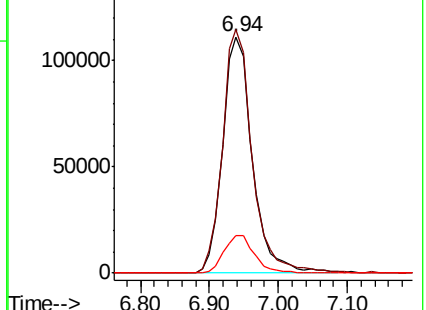
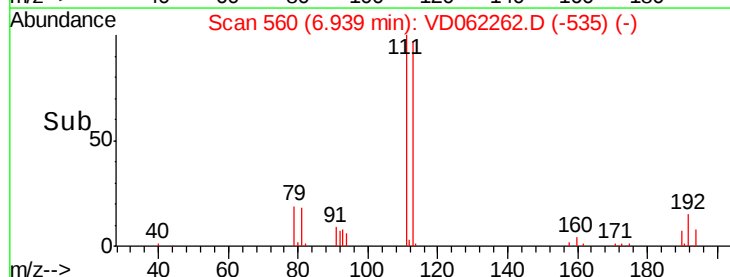
192 15.7 13.0 19.4

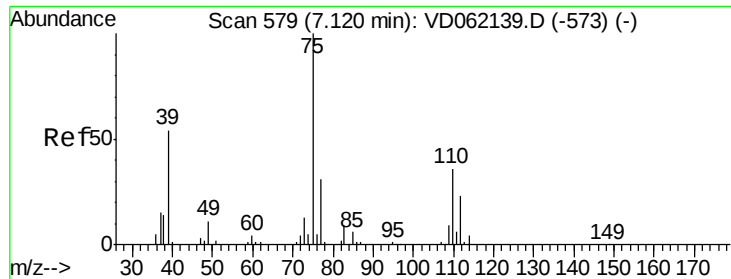


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.036 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

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P021-SS001-1218-01

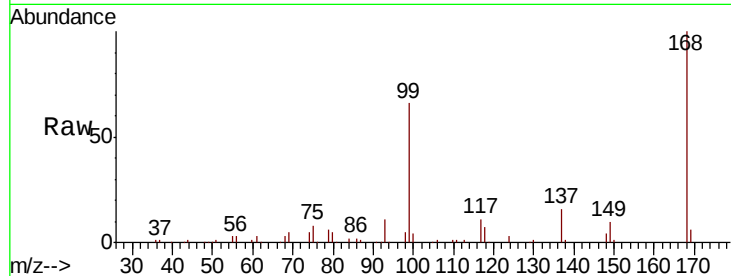
Tot Ion: 75 Resp: 39639

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.1#

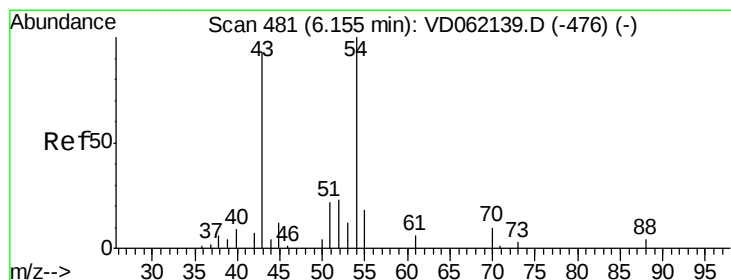
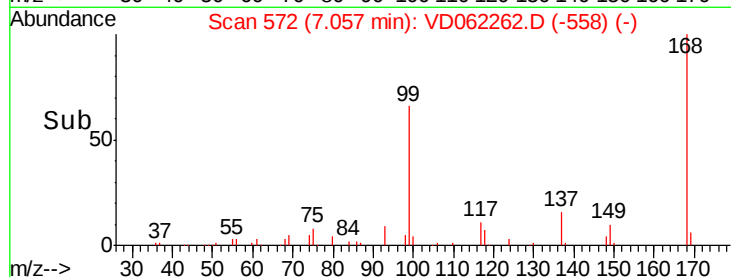
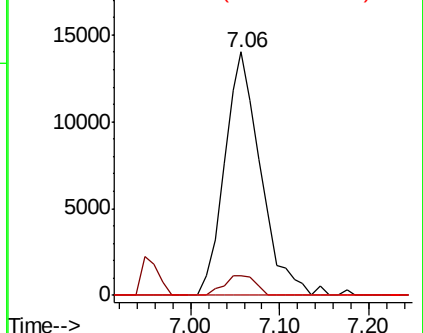
77 0.0 25.6 38.4#



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: 1.762 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.06 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

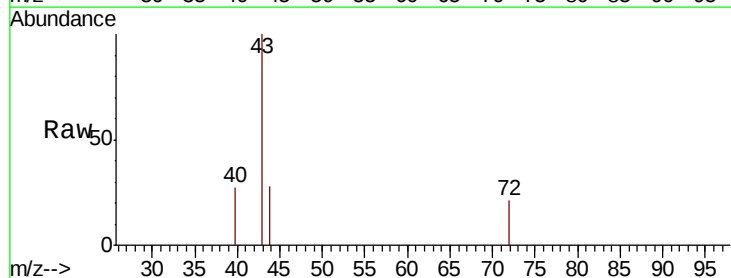
Tgt Ion: 43 Resp: 4908

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

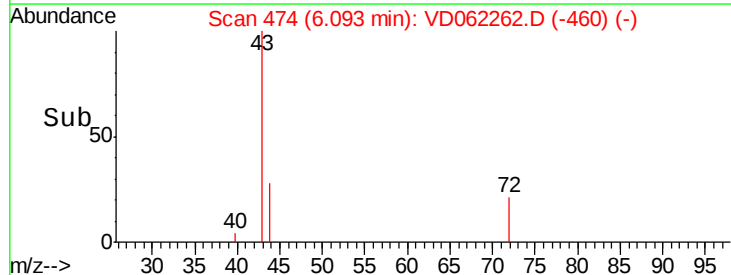
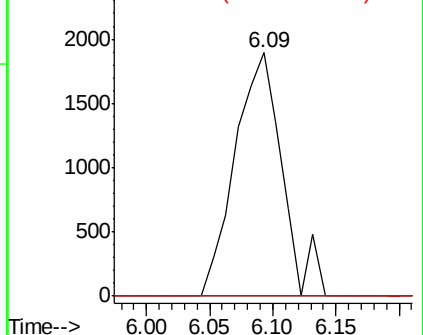
70 0.0 7.8 11.6#

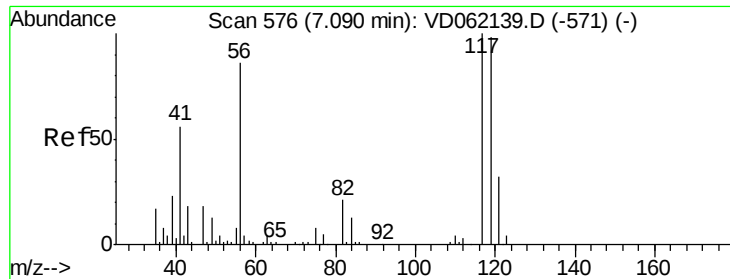


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

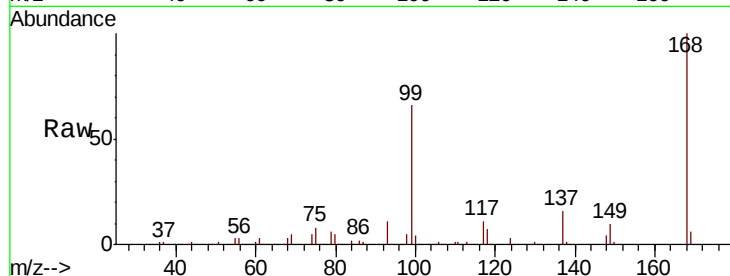




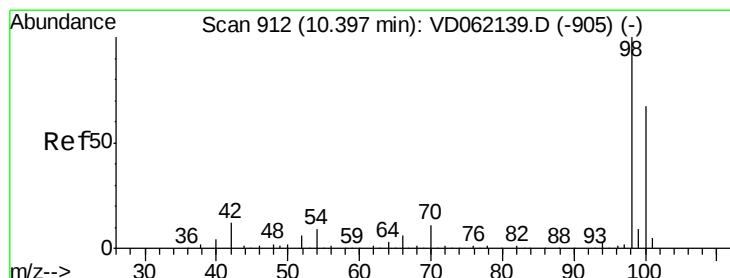
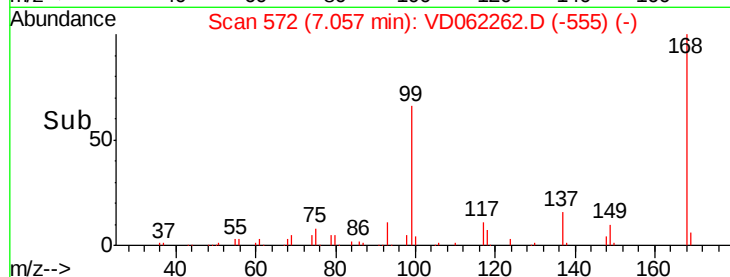
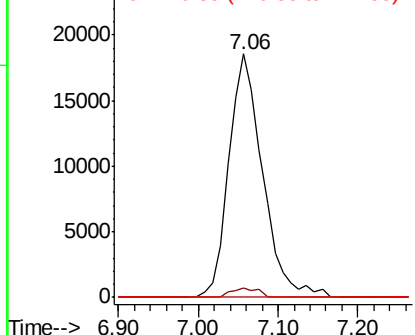
#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062262.D
Acq: 12 May 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-1218-01

Tot Ion:117 Resp: 54644
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 25.9 38.9#

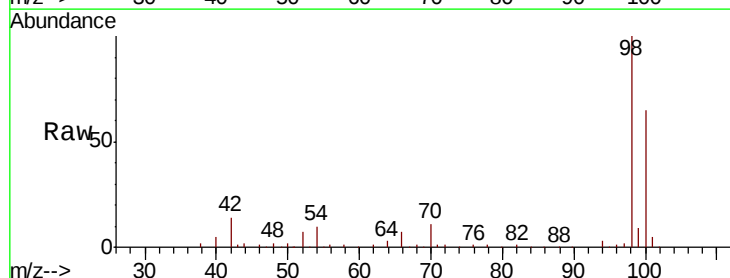


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

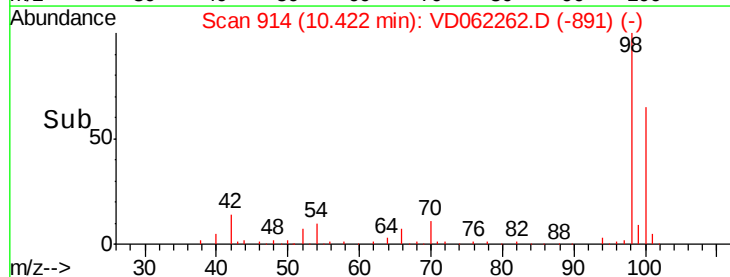
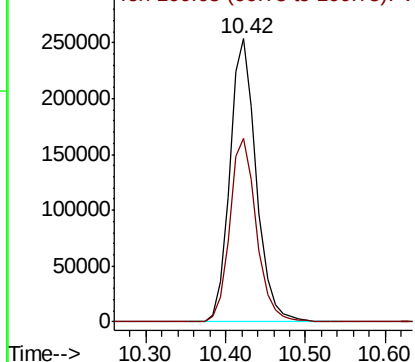


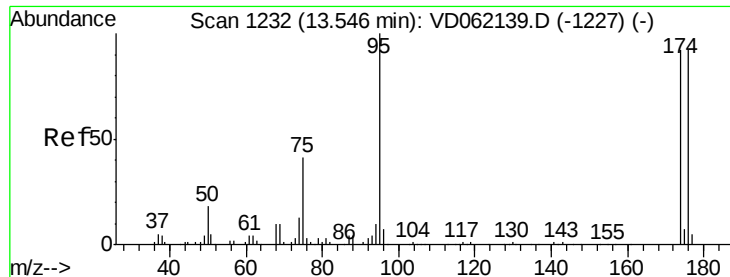
#50
Toluene-d8
Concen: 36.619 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062262.D
Acq: 12 May 2019 16:42

Tgt Ion: 98 Resp: 586713
Ion Ratio Lower Upper
98 100
100 64.9 53.8 80.8



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

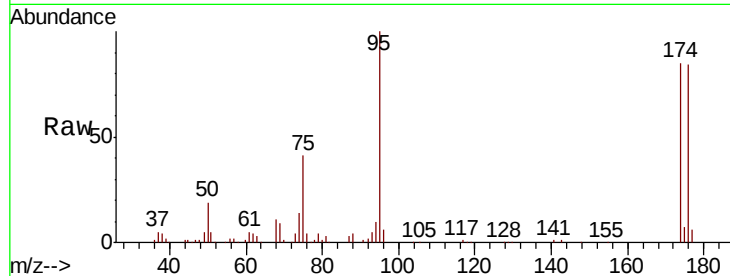




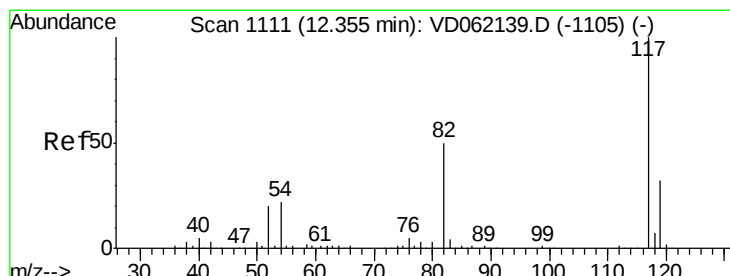
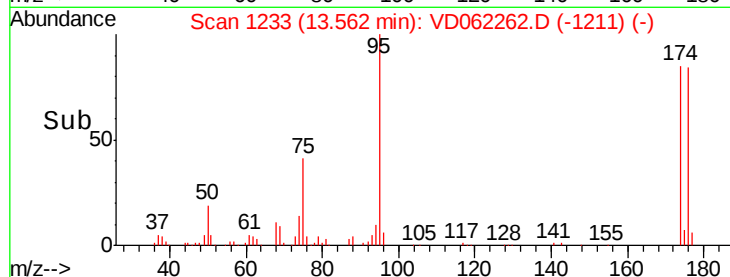
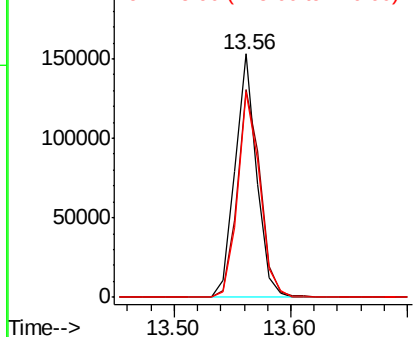
#62
4-Bromofluorobenzene
Concen: 30.419 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD062262.D
Acq: 12 May 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-1218-01

Tot Ion: 95 Resp: 195714
Ion Ratio Lower Upper
95 100
174 85.1 0.0 181.8
176 84.4 0.0 174.4

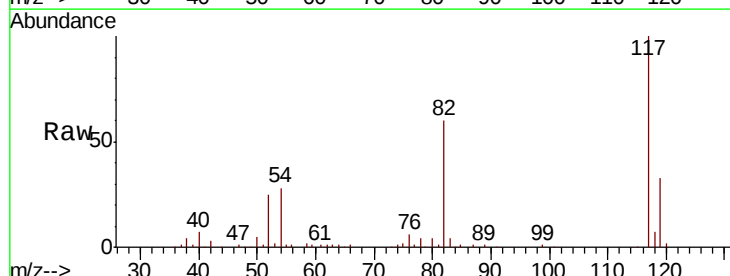


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

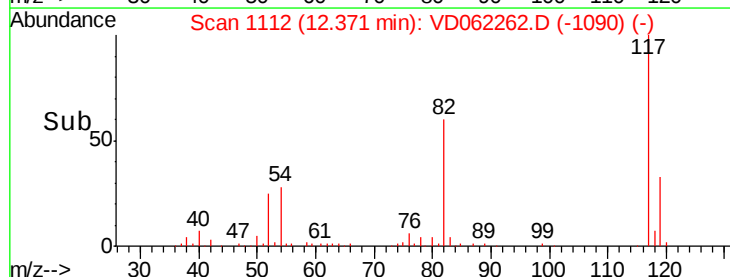
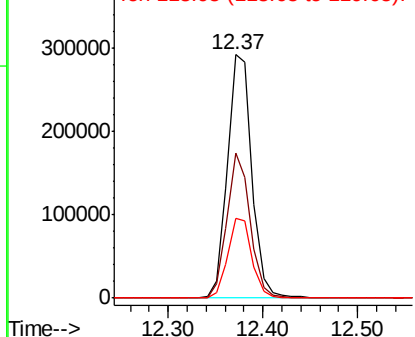


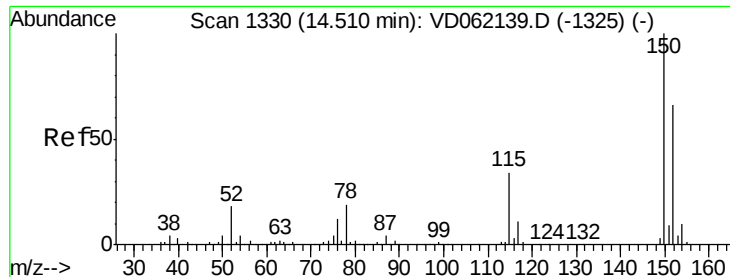
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062262.D
Acq: 12 May 2019 16:42

Tgt Ion: 117 Resp: 520102
Ion Ratio Lower Upper
117 100
82 59.7 36.2 54.2#
119 32.6 26.2 39.4



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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1218-01

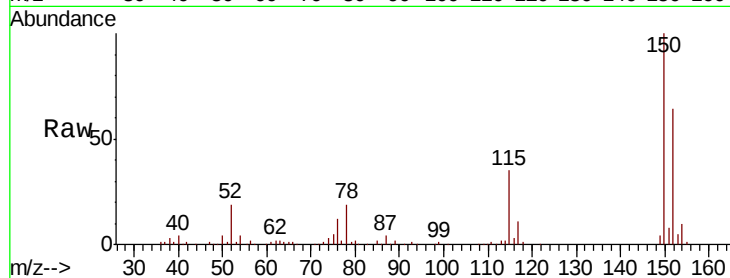
Tot Ion:152 Resp: 167589

Ion Ratio Lower Upper

152 100

115 54.2 30.9 92.7

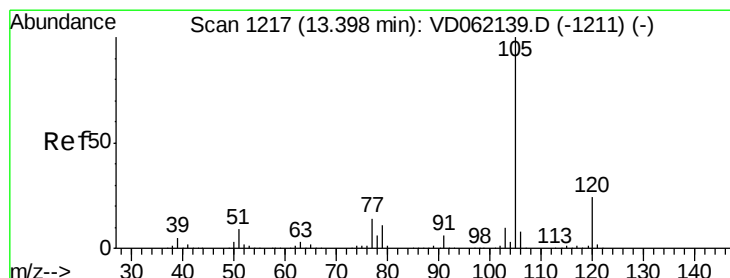
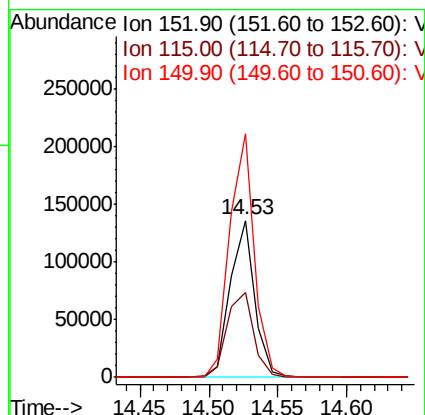
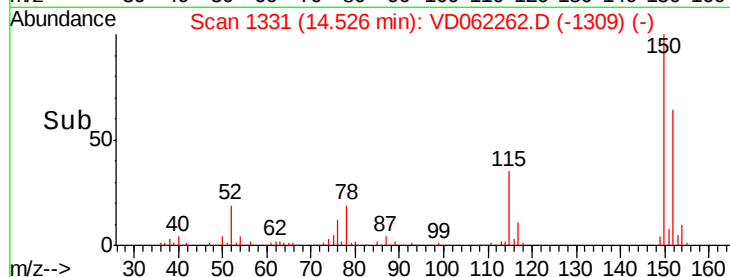
150 155.0 0.0 314.8



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



#73

Isopropylbenzene

Concen: 1.295 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062262.D

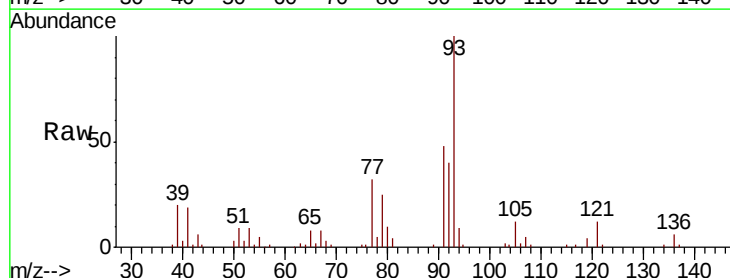
Acq: 12 May 2019 16:42

Tgt Ion:105 Resp: 13009

Ion Ratio Lower Upper

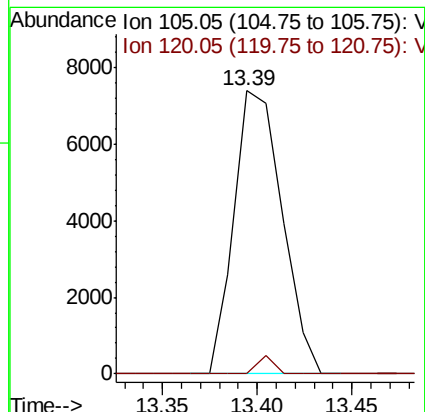
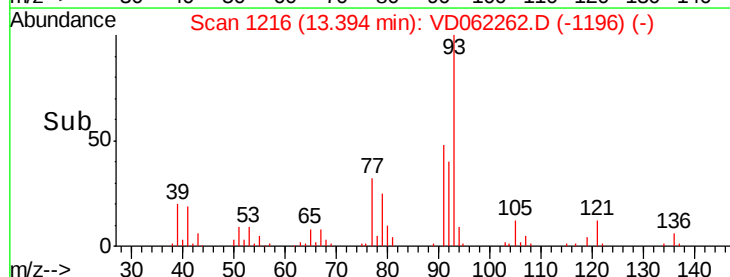
105 100

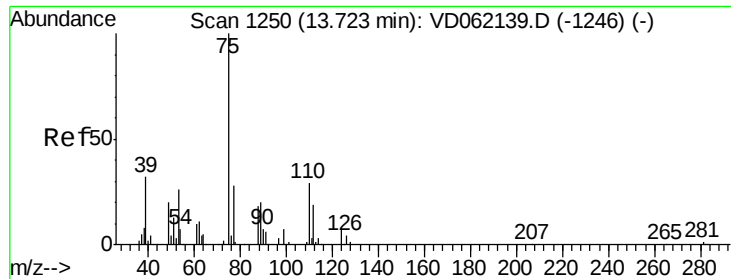
120 0.0 12.0 36.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#76

1,2,3-Trichloropropane

Concen: 40.489 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

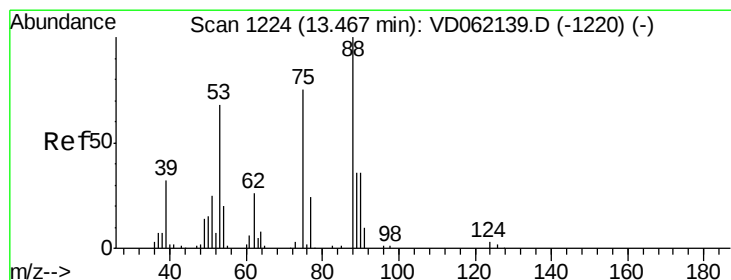
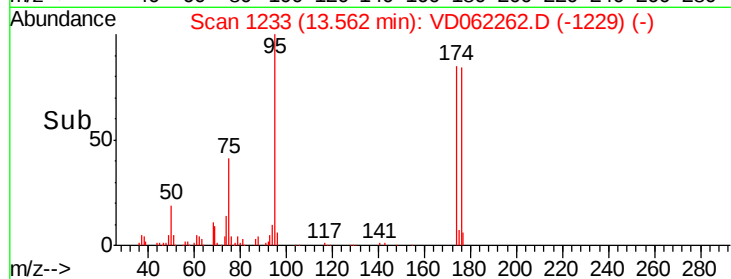
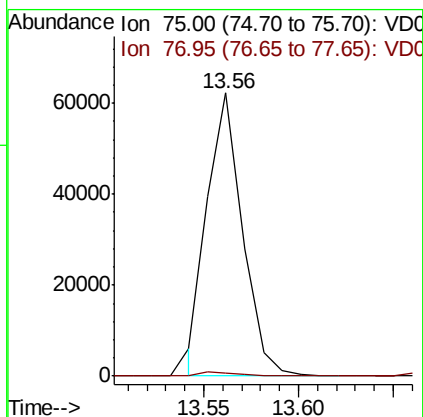
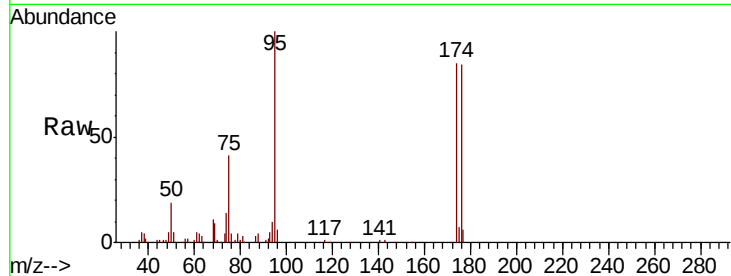
P021-SS001-1218-01

Tot Ion: 75 Resp: 80641

Ion Ratio Lower Upper

75 100

77 1.1 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.770 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062262.D

Acq: 12 May 2019 16:42

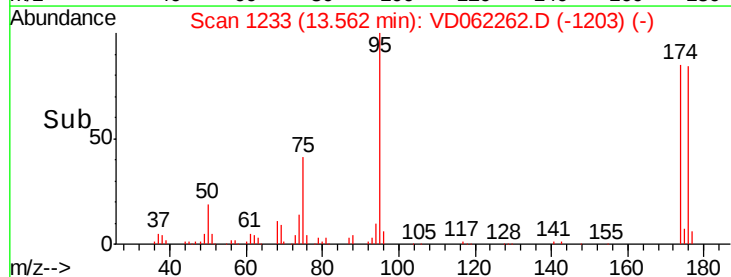
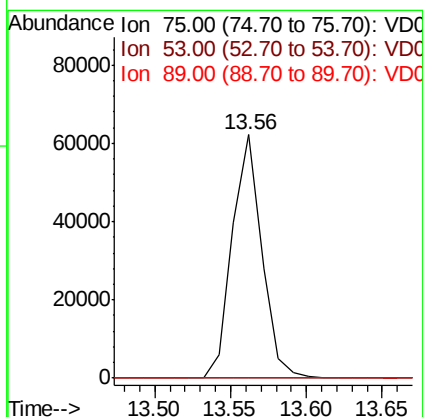
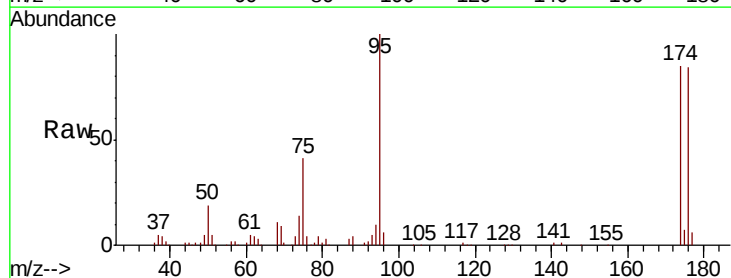
Tgt Ion: 75 Resp: 84209

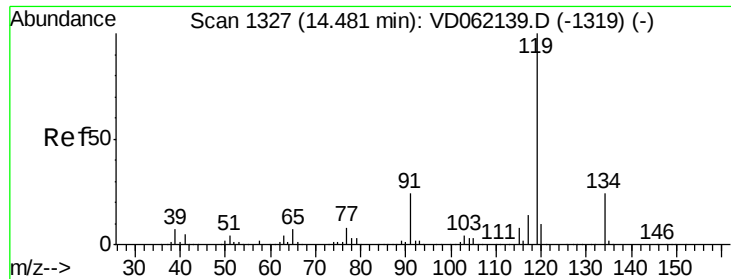
Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#





#86
 p-Isopropyltoluene
 Concen: 1.208 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062262.D
 Acq: 12 May 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.7	12.8	38.3
91	30.1	10.7	32.1

