

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062197.D
 Acq On : 9 May 2019 19:28
 Operator : FY/SY
 Sample : K2717-03
 Misc : 5.66g/5mL/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-0612-01

Quant Time: May 10 04:22:06 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	7.03	168	230026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	446785	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	423384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	189208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	253985	118.81	ug/l	0.00
Spiked Amount			Recovery	=	237.62%	
35) Dibromofluoromethane	6.90	113	270898	73.08	ug/l	0.00
Spiked Amount			Recovery	=	146.16%	
50) Toluene-d8	10.39	98	485800	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
62) 4-Bromofluorobenzene	13.54	95	220338	61.39	ug/l	0.00
Spiked Amount			Recovery	=	122.78%	

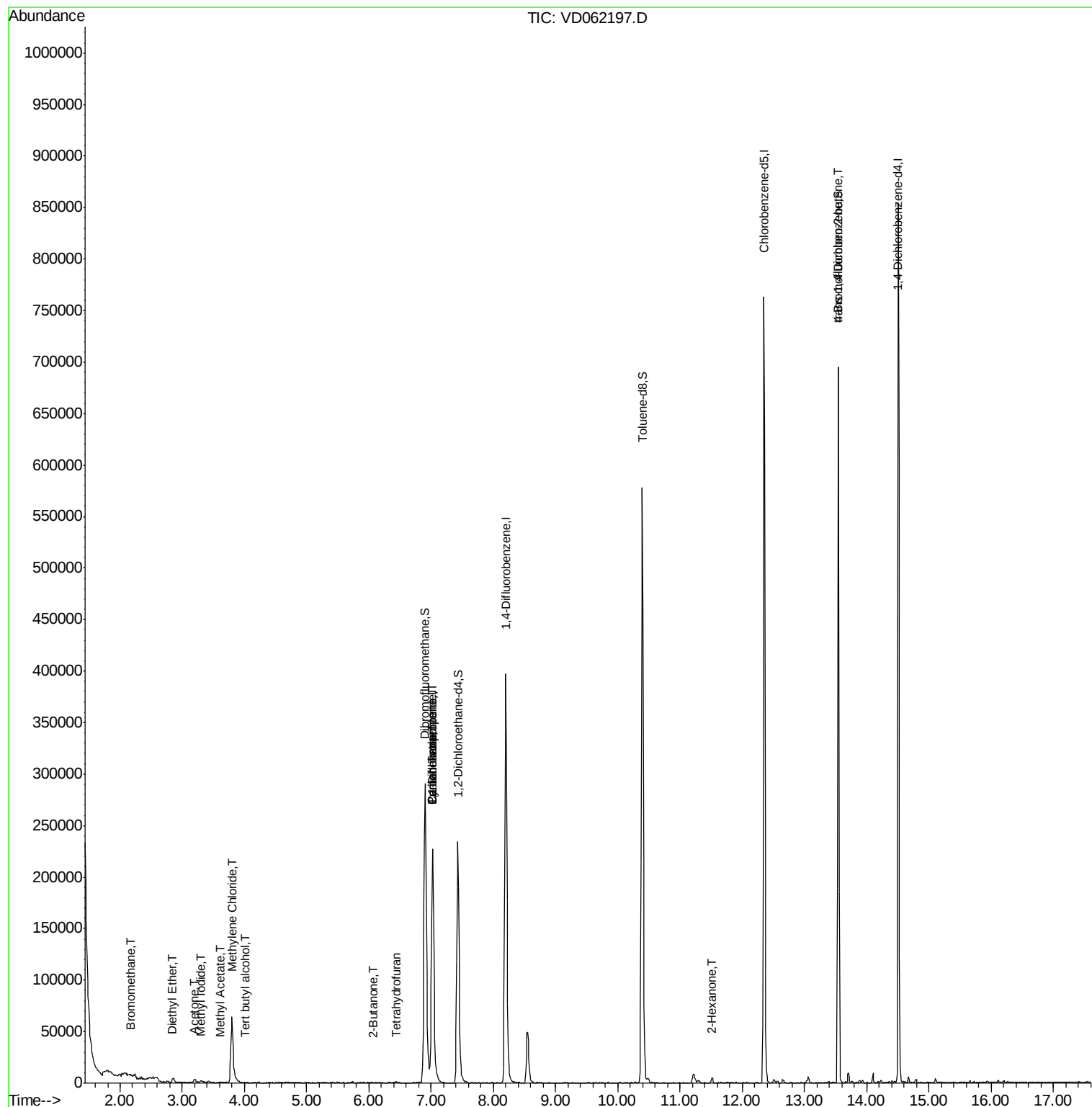
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1281	3.499	ug/l #	53
8) Diethyl Ether	2.84	74	1957	3.341	ug/l	99
10) Methyl Iodide	3.30	142	3481	1.002	ug/l #	88
11) Tert butyl alcohol	4.02	59	183	1.677	ug/l #	76
16) Acetone	3.21	43	7330	16.351	ug/l #	83
18) Methyl Acetate	3.61	43	1411	1.465	ug/l #	53
20) Methylene Chloride	3.80	84	43416	23.195	ug/l	85
25) 2-Butanone	6.06	43	570	1.166	ug/l #	56
29) Tetrahydrofuran	6.45	42	972	4.314	ug/l #	44
31) Cyclohexane	7.02	56	5131	2.288	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	15440	4.215	ug/l #	44
38) Carbon Tetrachloride	7.02	117	22958	4.528	ug/l #	18
59) 2-Hexanone	11.51	43	1370	1.312	ug/l #	27
81) trans-1,4-Dichloro-2-buten	13.54	75	93448	147.211	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

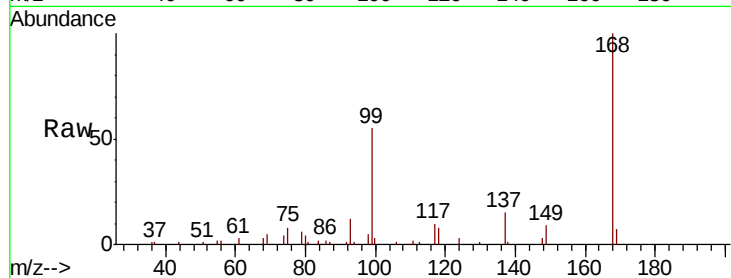
P026-SS001-0612-01

Tgt Ion:168 Resp: 230026

Ion Ratio Lower Upper

168 100

99 55.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

80000

60000

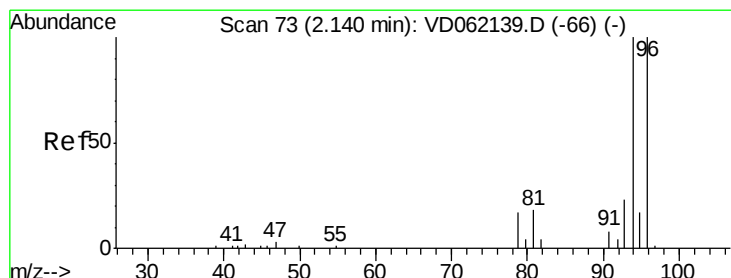
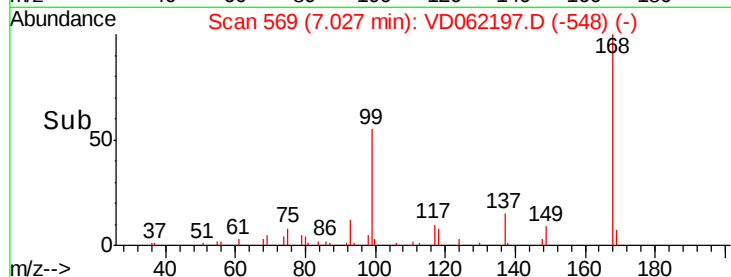
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 3.499 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

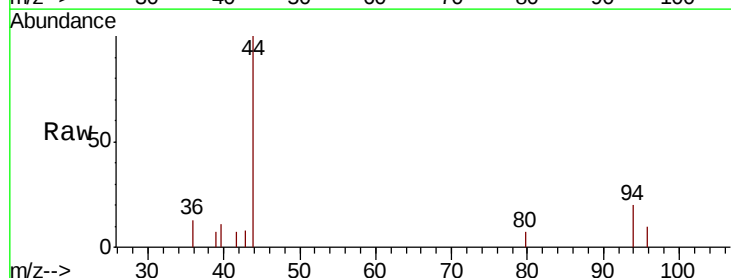
Tgt Ion: 94 Resp: 1281

Ion Ratio Lower Upper

94 100

96 50.1 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.17

1200

1000

800

600

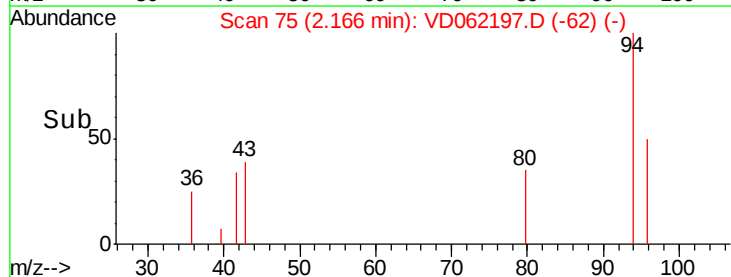
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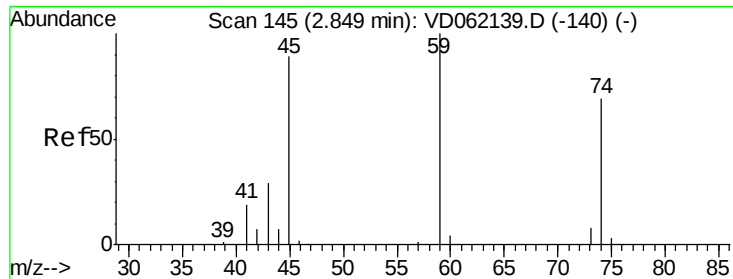
200

0

2.15 2.20

Time-->





#8

Diethyl Ether

Concen: 3.341 ug/l

RT: 2.84 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

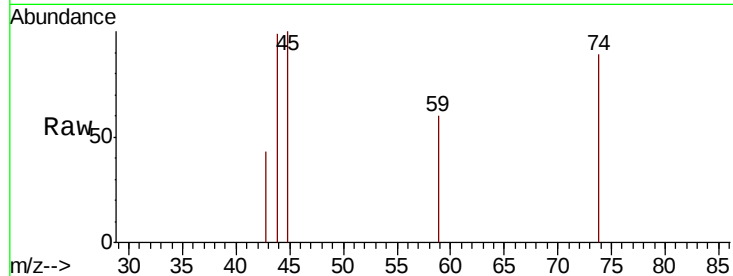
P026-SS001-0612-01

Tgt Ion: 74 Resp: 1957

Ion Ratio Lower Upper

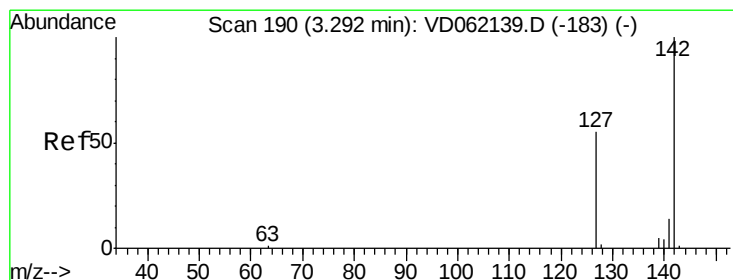
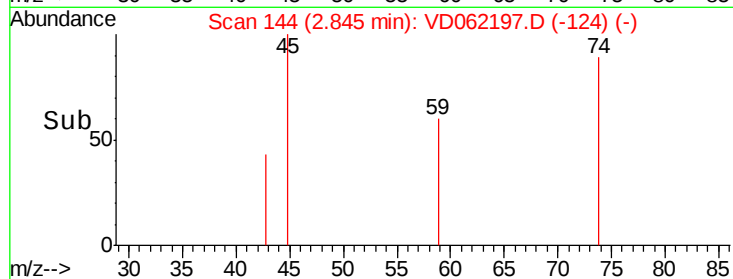
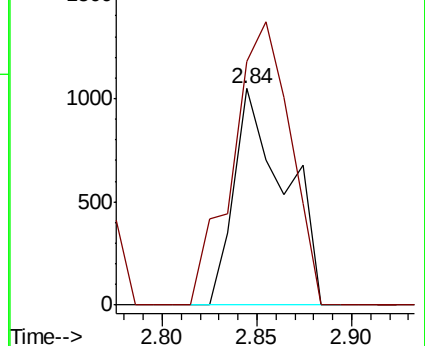
74 100

45 112.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 1.002 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

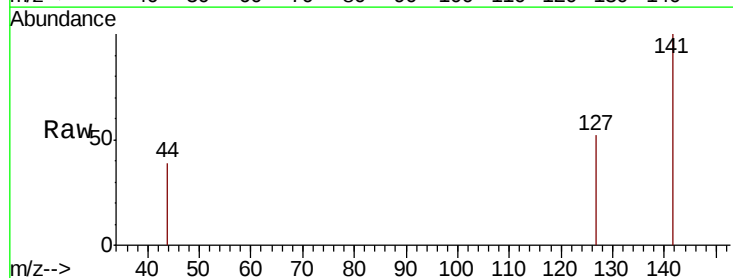
Tgt Ion: 142 Resp: 3481

Ion Ratio Lower Upper

142 100

127 52.0 38.8 58.2

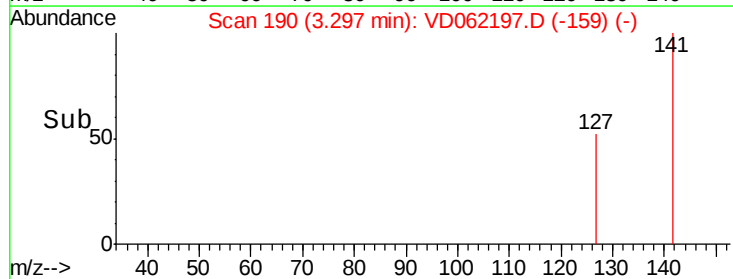
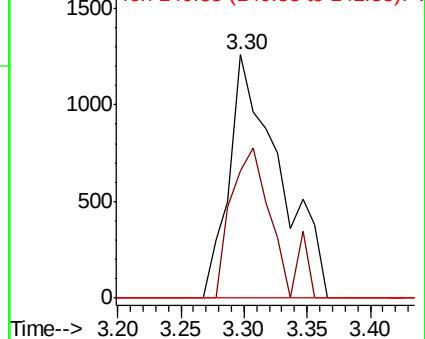
141 0.0 11.4 17.0#

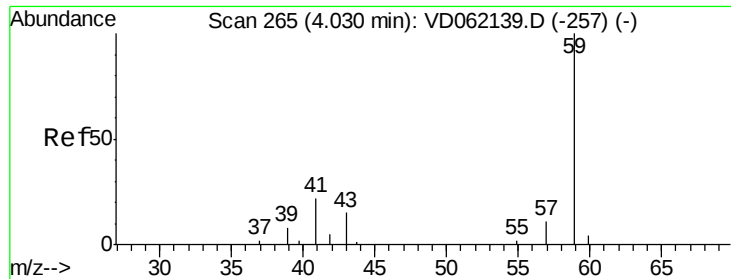


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

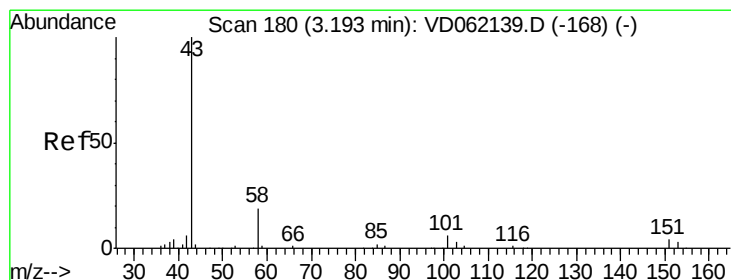
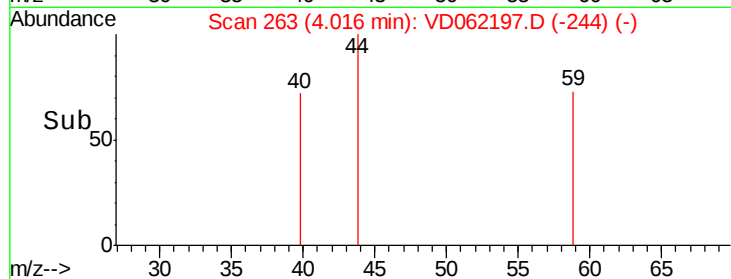
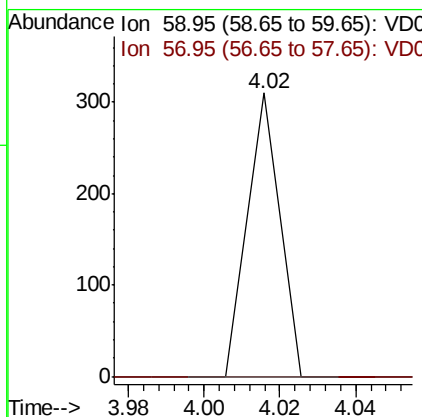
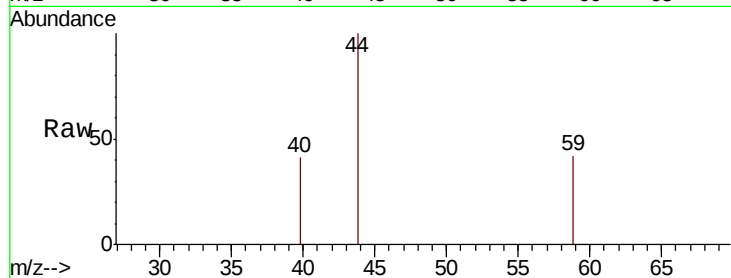




#11
Tert butyl alcohol
Concen: 1.677 ug/l
RT: 4.02 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

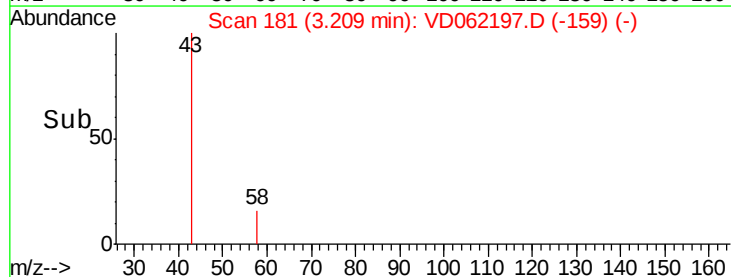
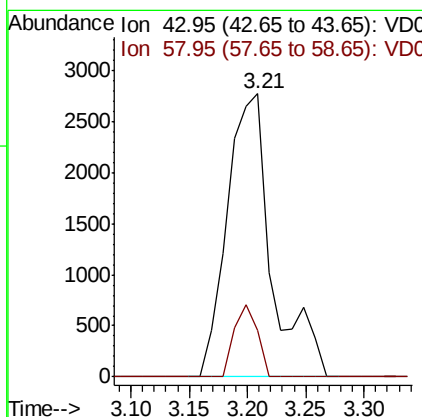
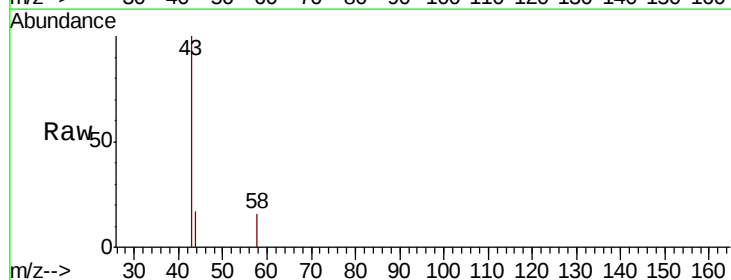
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0612-01

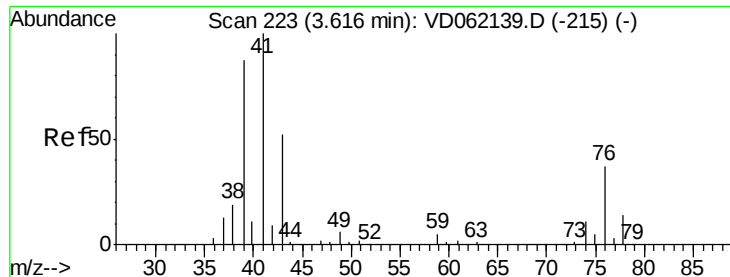
Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#16
Acetone
Concen: 16.351 ug/l
RT: 3.21 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

Tgt Ion: 43 Resp: 7330
Ion Ratio Lower Upper
43 100
58 16.4 19.9 29.9#

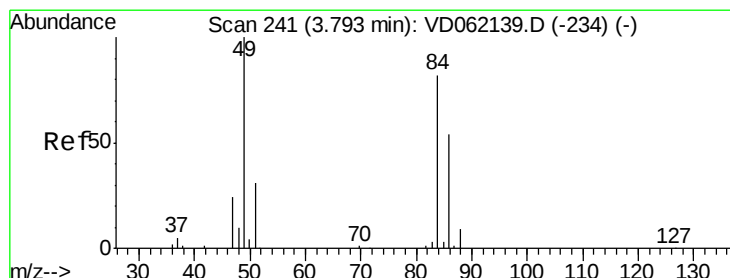
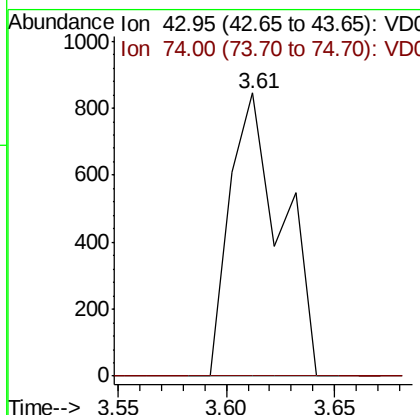
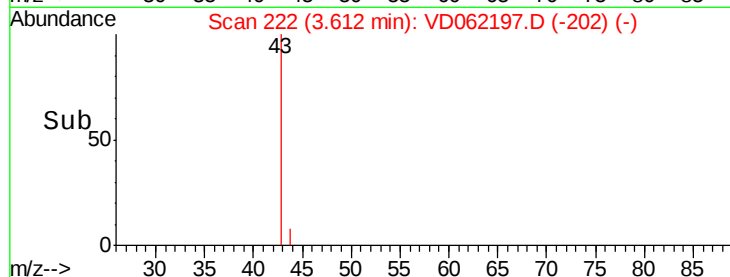
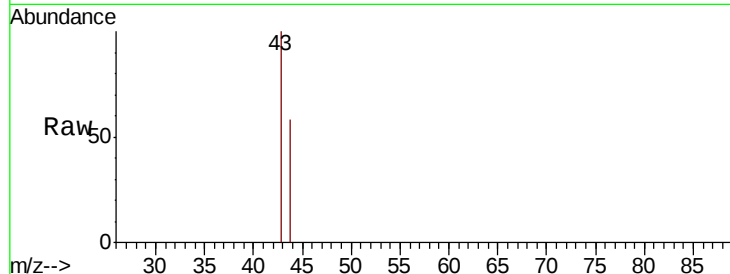




#18
Methyl Acetate
Concen: 1.465 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

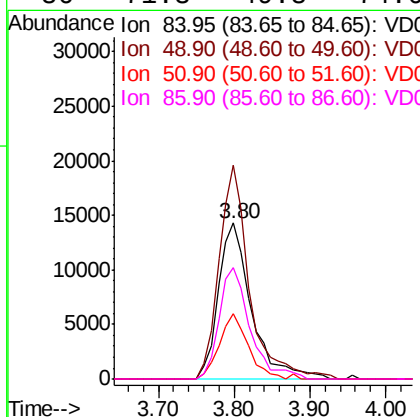
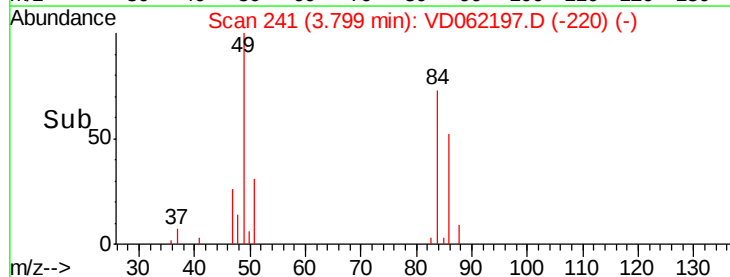
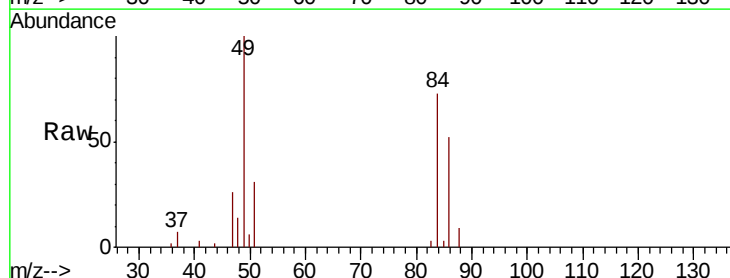
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0612-01

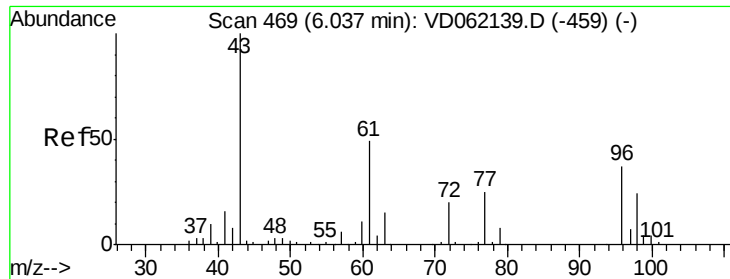
Tgt Ion: 43 Resp: 1411
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 23.195 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

Tgt Ion: 84 Resp: 43416
Ion Ratio Lower Upper
84 100
49 136.9 94.0 141.0
51 42.2 29.0 43.4
86 71.3 49.8 74.6





#25

2-Butanone

Concen: 1.166 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

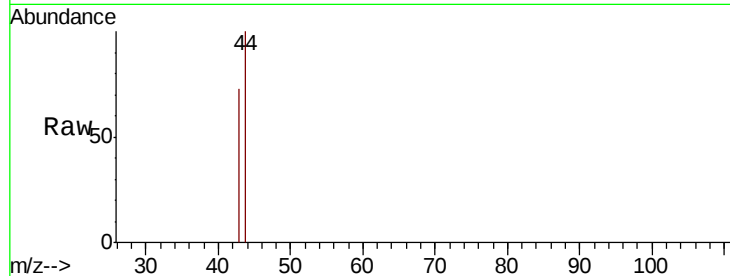
P026-SS001-0612-01

Tgt Ion: 43 Resp: 570

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

6.06

300

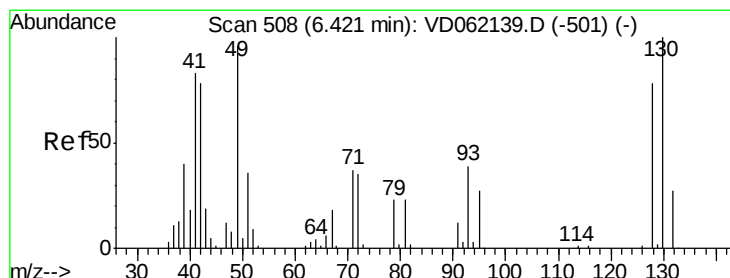
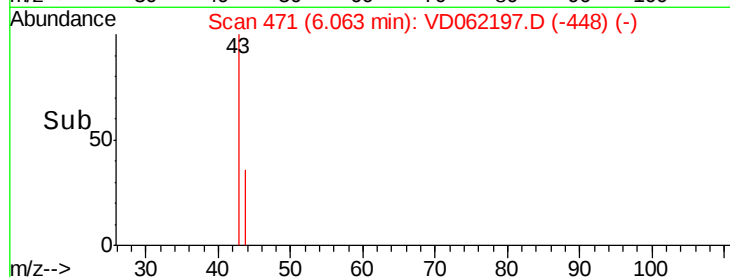
200

100

0

6.00 6.05 6.10

Time-->



#29

Tetrahydrofuran

Concen: 4.314 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

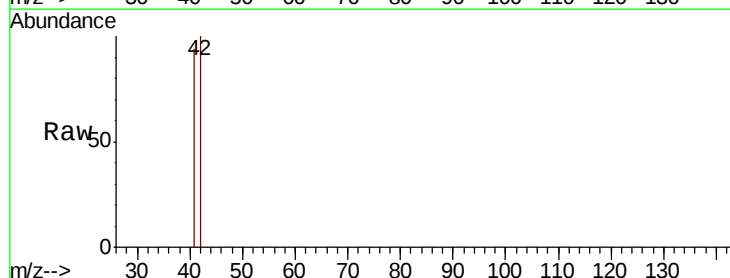
Tgt Ion: 42 Resp: 972

Ion Ratio Lower Upper

42 100

72 18.8 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

6.45

500

400

300

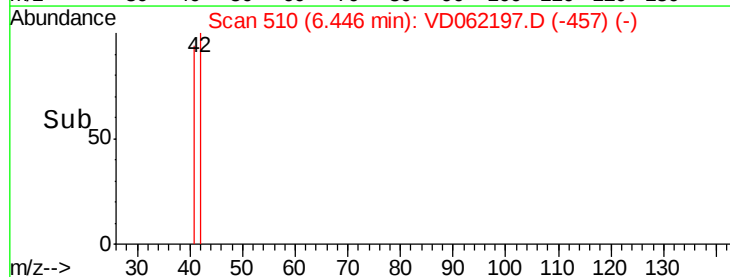
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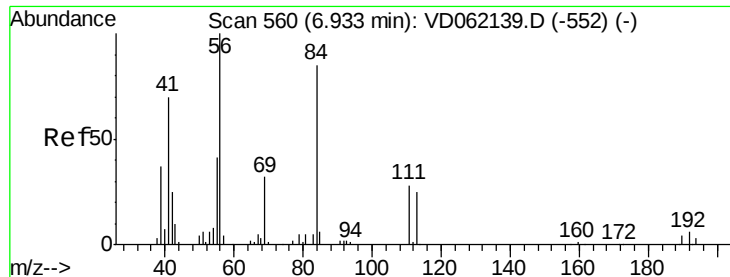
100

0

6.40 6.45 6.50

Time-->

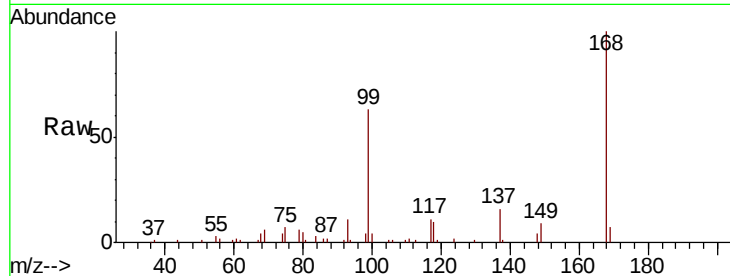




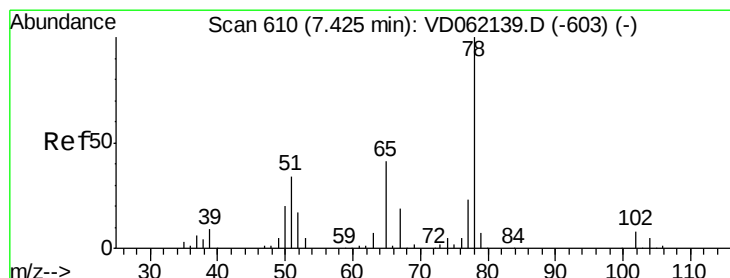
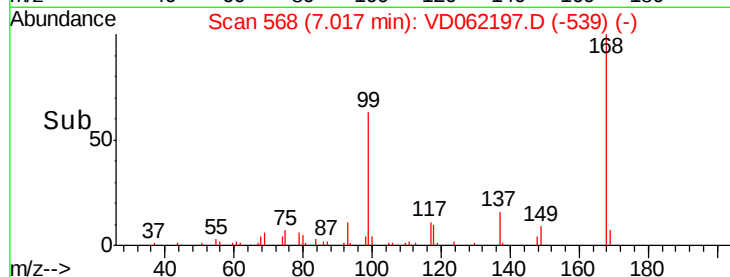
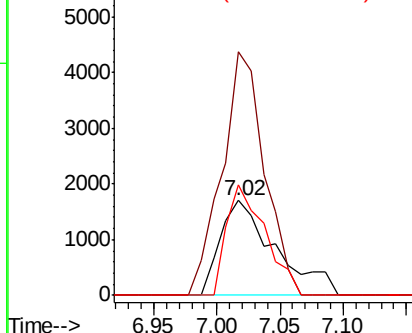
#31
Cyclohexane
Concen: 2.288 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0612-01

Tgt Ion: 56 Resp: 5131
Ion Ratio Lower Upper
56 100
69 257.5 25.8 38.6#
84 116.7 72.2 108.4#

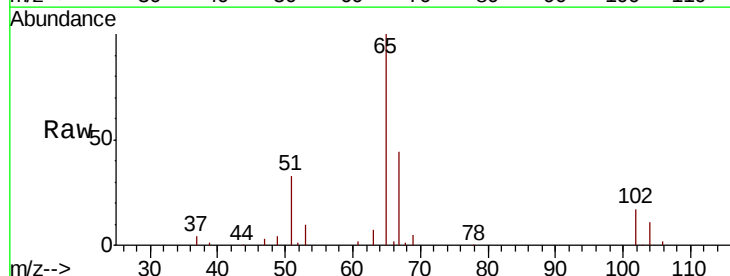


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

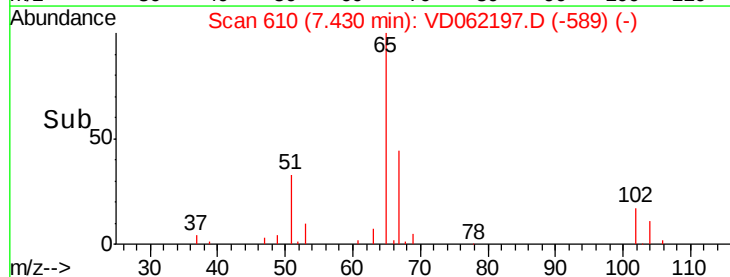
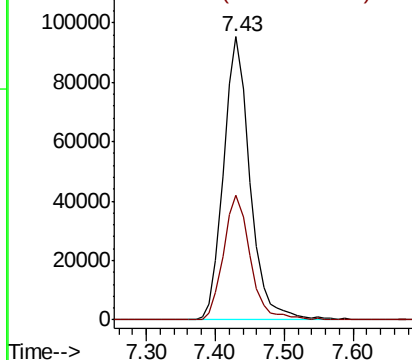


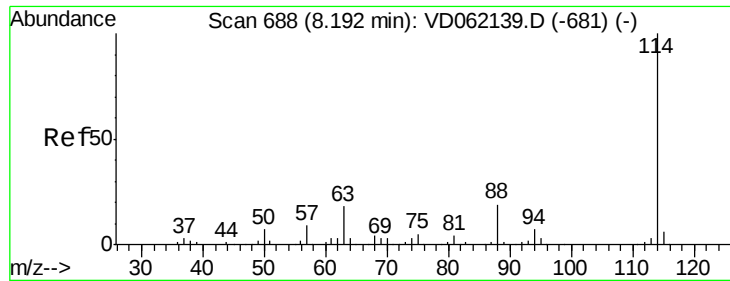
#33
1,2-Dichloroethane-d4
Concen: 118.814 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.01 min
Lab File: VD062197.D
Acq: 9 May 2019 19:28

Tgt Ion: 65 Resp: 253985
Ion Ratio Lower Upper
65 100
67 44.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

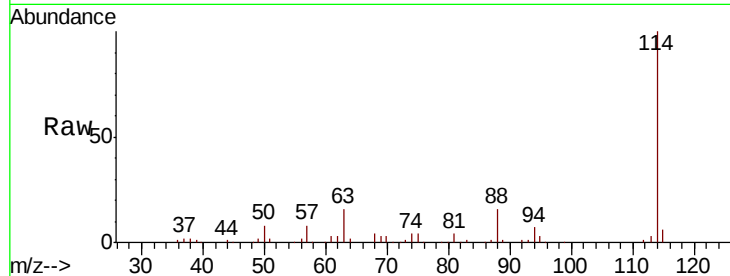




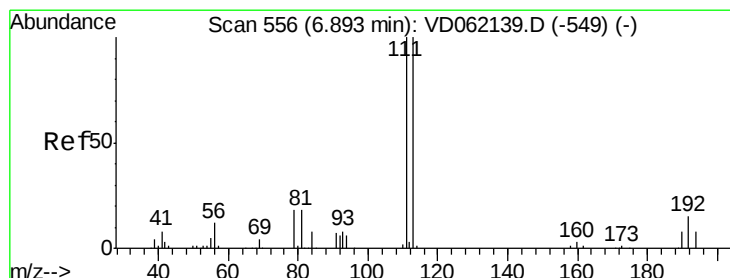
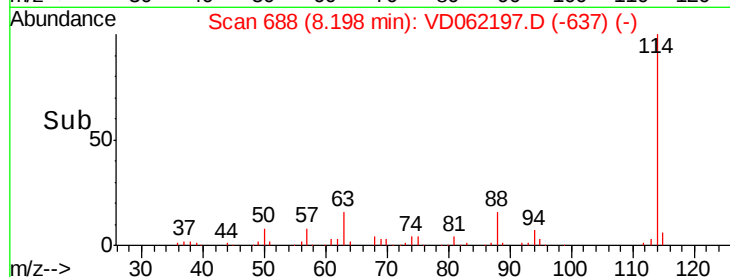
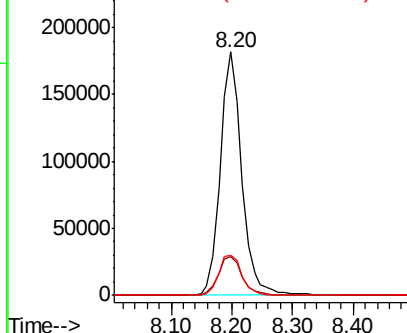
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062197.D
 Acq: 9 May 2019 19:28

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-0612-01

Tgt Ion:114 Resp: 446785
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.4
 88 16.5 0.0 33.6

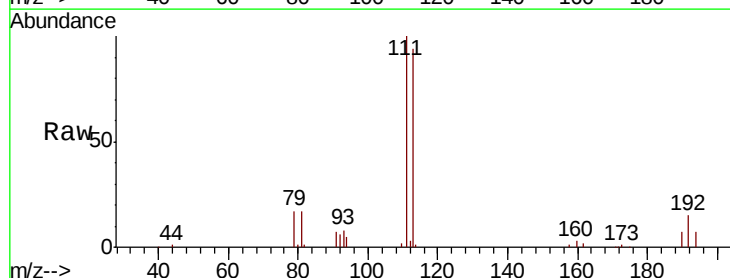


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

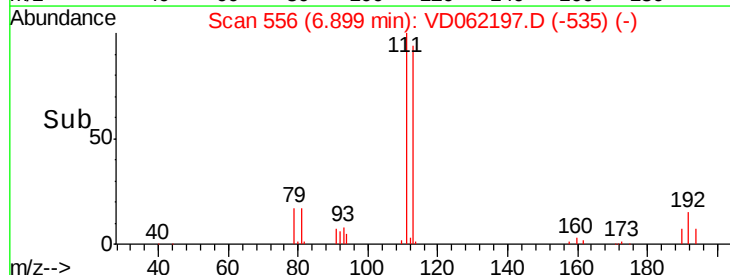
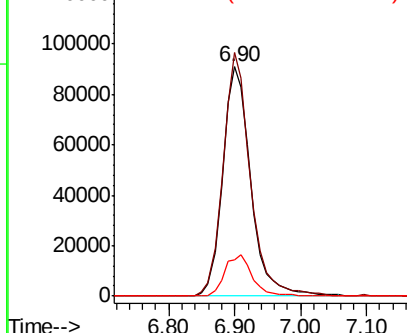


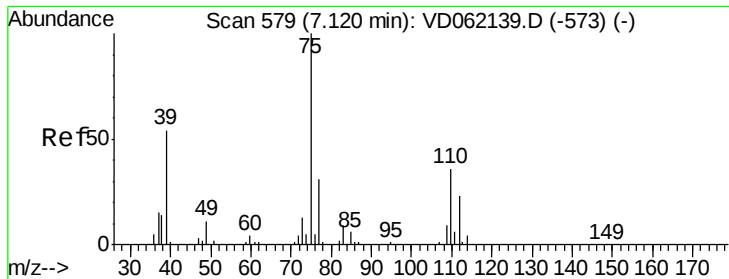
#35
 Dibromofluoromethane
 Concen: 73.077 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VD062197.D
 Acq: 9 May 2019 19:28

Tgt Ion:113 Resp: 270898
 Ion Ratio Lower Upper
 113 100
 111 106.2 78.5 117.7
 192 15.8 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





#36

1,1-Dichloropropene

Concen: 4.215 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0612-01

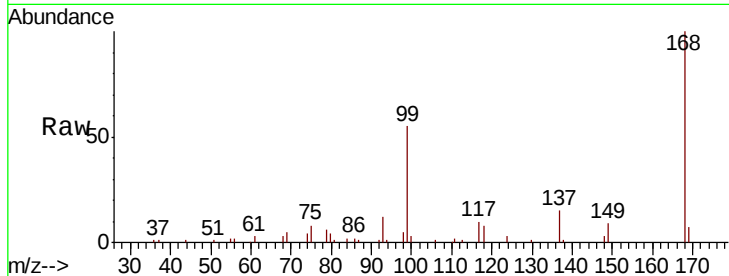
Tgt Ion: 75 Resp: 15440

Ion Ratio Lower Upper

75 100

110 5.2 19.1 57.1#

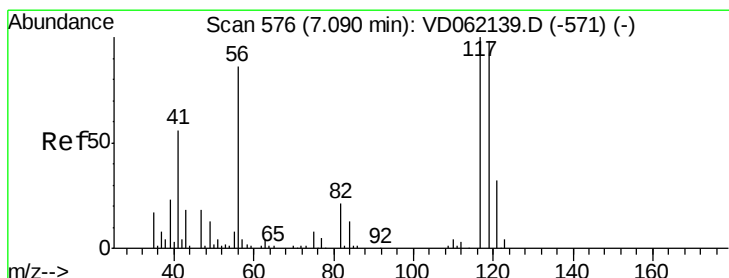
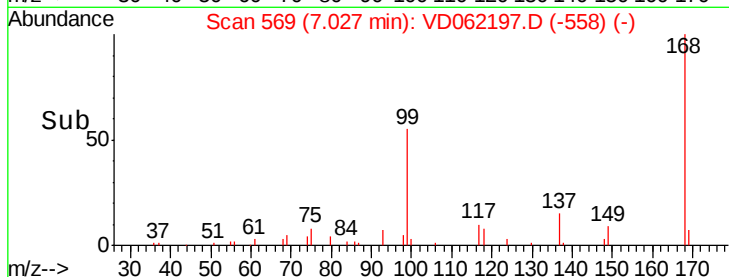
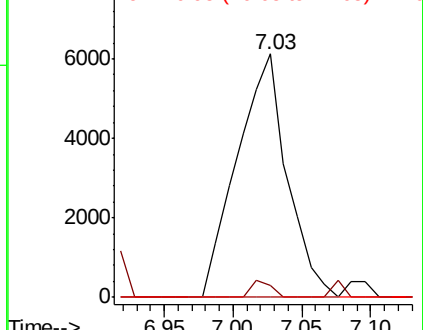
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.528 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

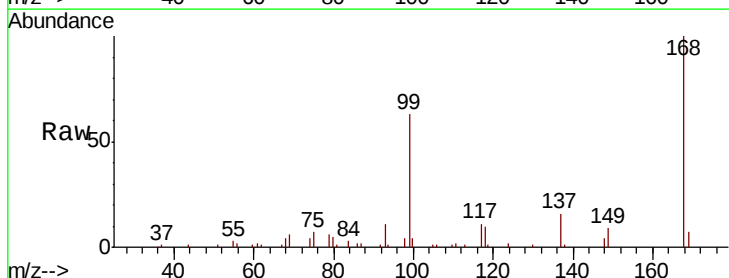
Tgt Ion: 117 Resp: 22958

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

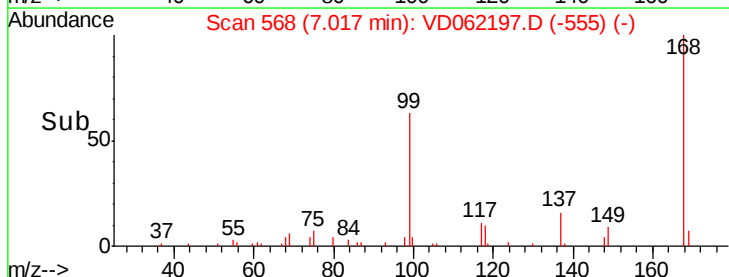
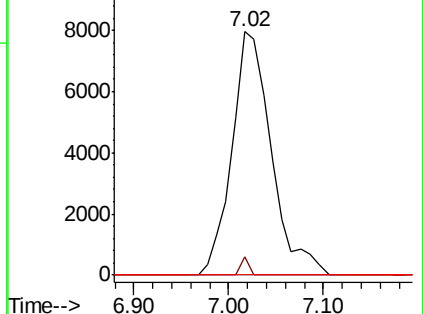
121 0.0 25.9 38.9#

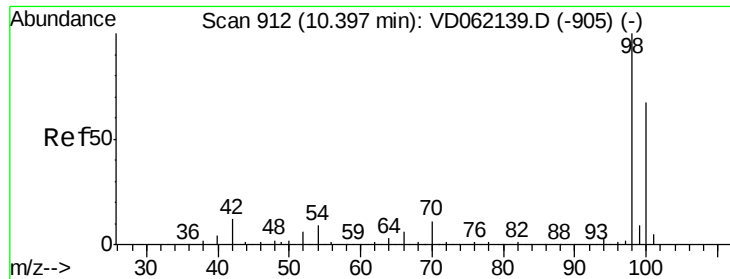


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 54.353 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

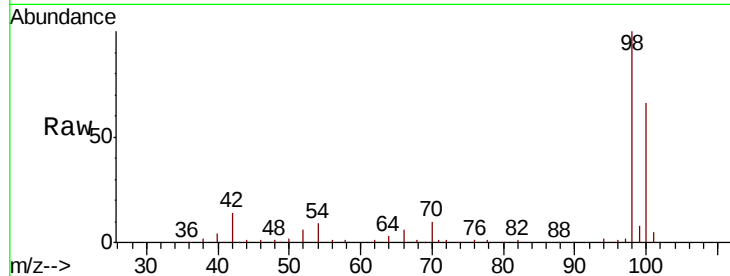
P026-SS001-0612-01

Tgt Ion: 98 Resp: 485800

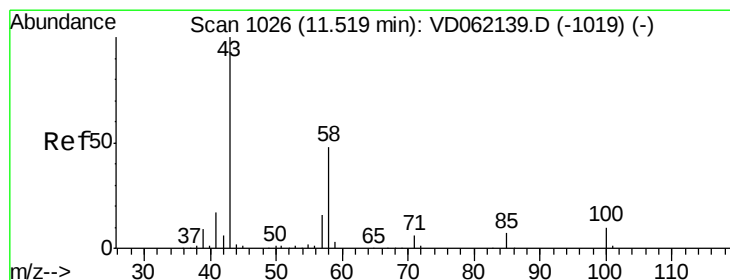
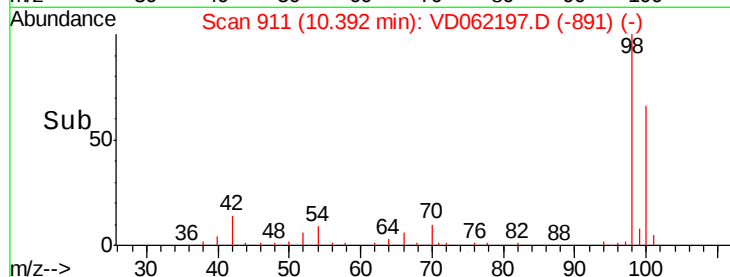
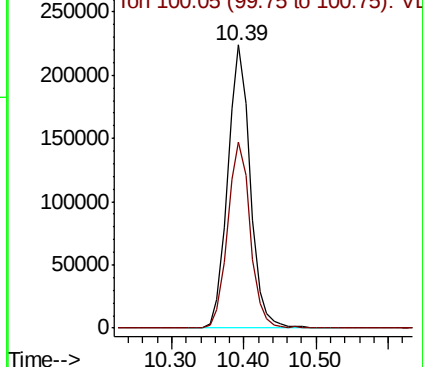
Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)



#59

2-Hexanone

Concen: 1.312 ug/l

RT: 11.51 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VD062197.D

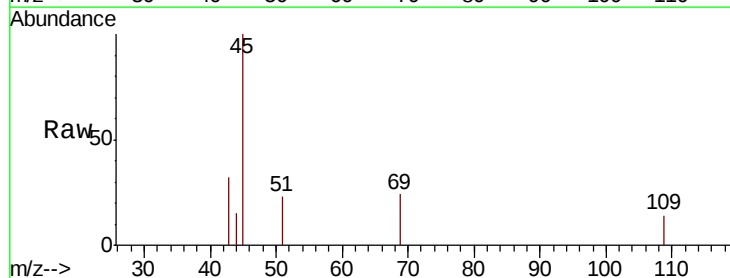
Acq: 9 May 2019 19:28

Tgt Ion: 43 Resp: 1370

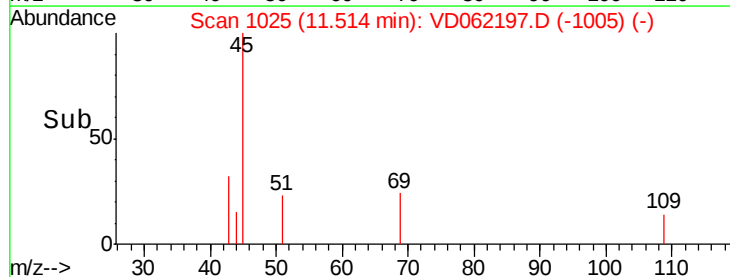
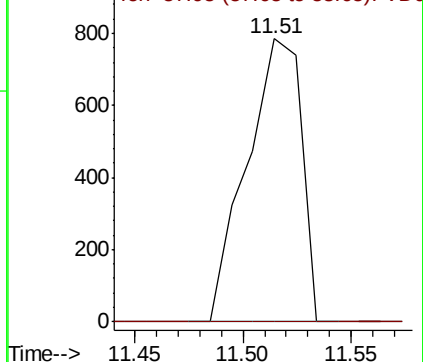
Ion Ratio Lower Upper

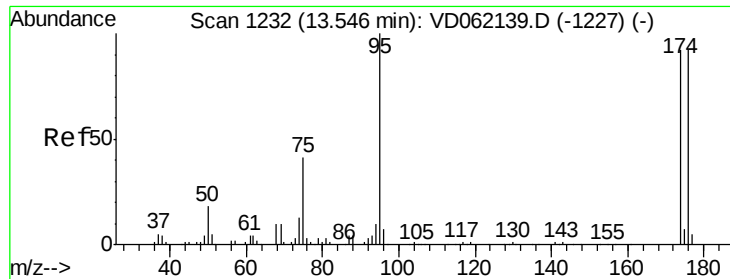
43 100

58 0.0 25.4 76.4#



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-1019) (-)





#62

4-Bromofluorobenzene

Concen: 61.390 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0612-01

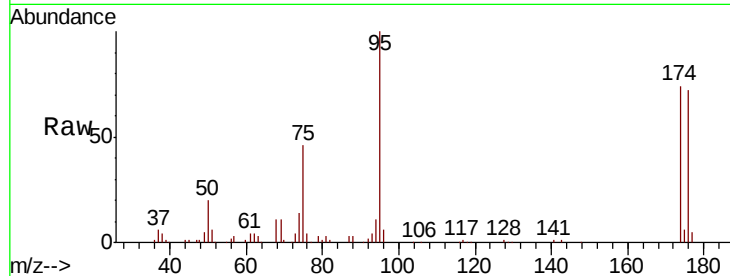
Tgt Ion: 95 Resp: 220338

Ion Ratio Lower Upper

95 100

174 74.5 0.0 181.8

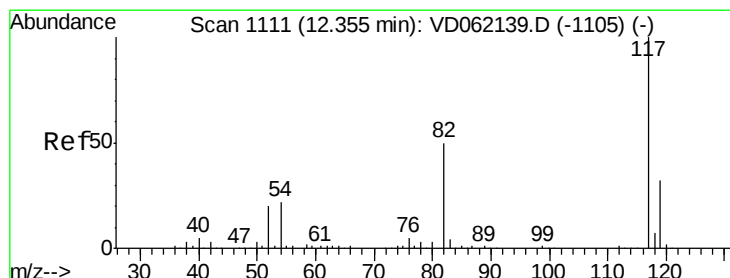
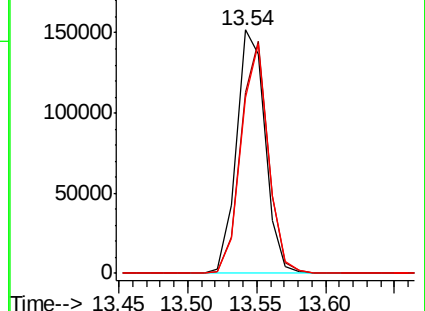
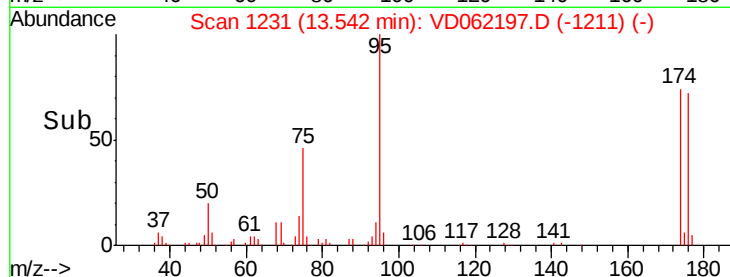
176 72.2 0.0 174.4



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: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

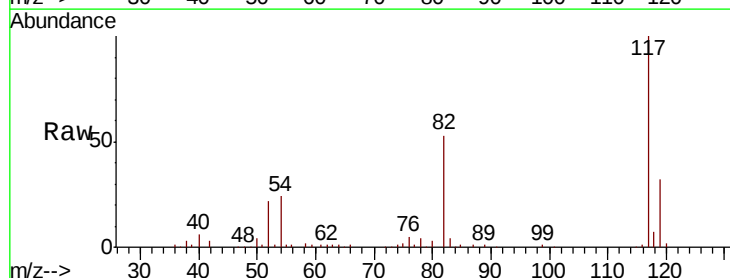
Tgt Ion: 117 Resp: 423384

Ion Ratio Lower Upper

117 100

82 53.1 36.2 54.2

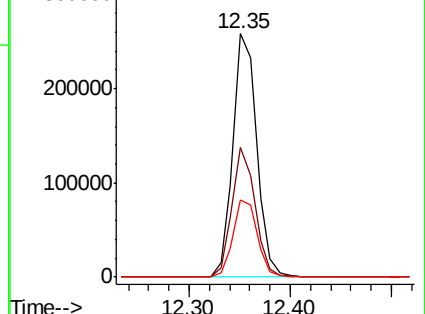
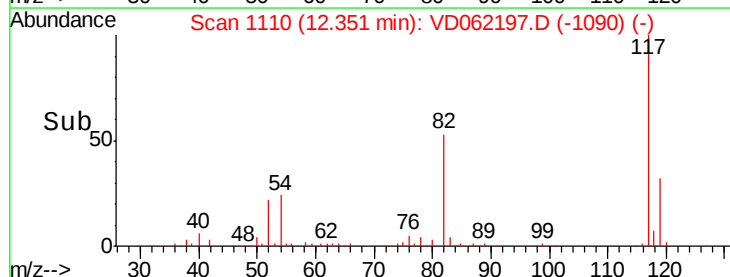
119 31.8 26.2 39.4

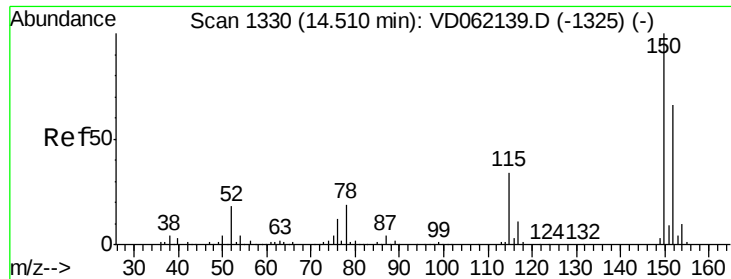


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0612-01

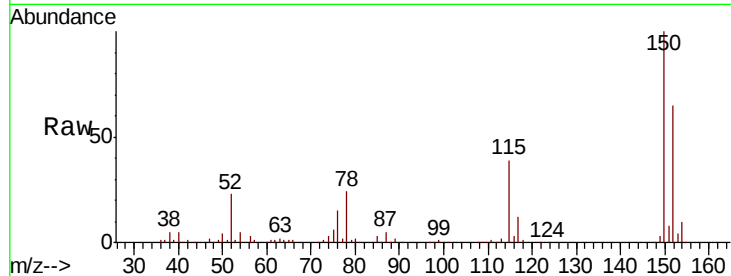
Tgt Ion: 152 Resp: 189208

Ion Ratio Lower Upper

152 100

115 60.9 30.9 92.7

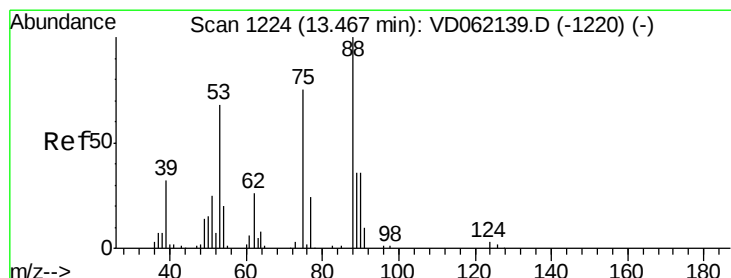
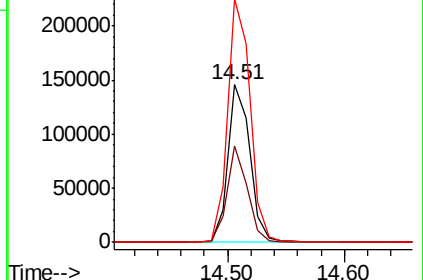
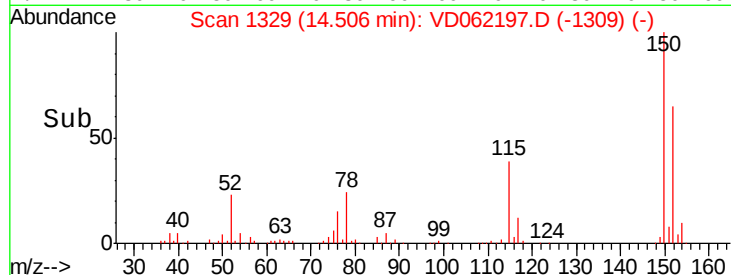
150 154.8 0.0 314.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 147.211 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062197.D

Acq: 9 May 2019 19:28

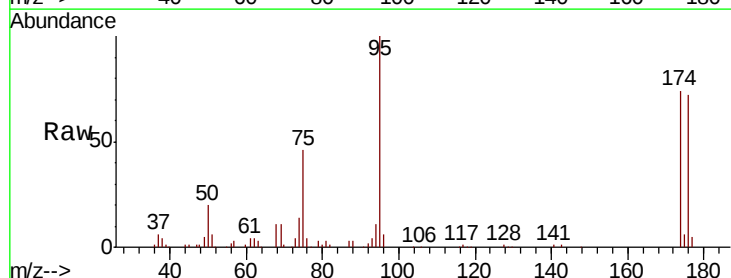
Tgt Ion: 75 Resp: 93448

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

