

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062246.D
 Acq On : 11 May 2019 19:17
 Operator : FY/SY
 Sample : K2719-19RE
 Misc : 2.76g/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS011-0206-01RE

Quant Time: May 11 22:23:51 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	7.05	168	361852	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	459091	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	174751	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	36339	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	262718	78.13	ug/l	0.03
Spiked Amount			Recovery	=	156.26%	
35) Dibromofluoromethane	6.93	113	252703	66.34	ug/l	0.03
Spiked Amount			Recovery	=	132.68%	
50) Toluene-d8	10.41	98	319388	34.78	ug/l	0.01
Spiked Amount			Recovery	=	69.56%	
62) 4-Bromofluorobenzene	13.55	95	55742	15.11	ug/l	0.00
Spiked Amount			Recovery	=	30.22%	

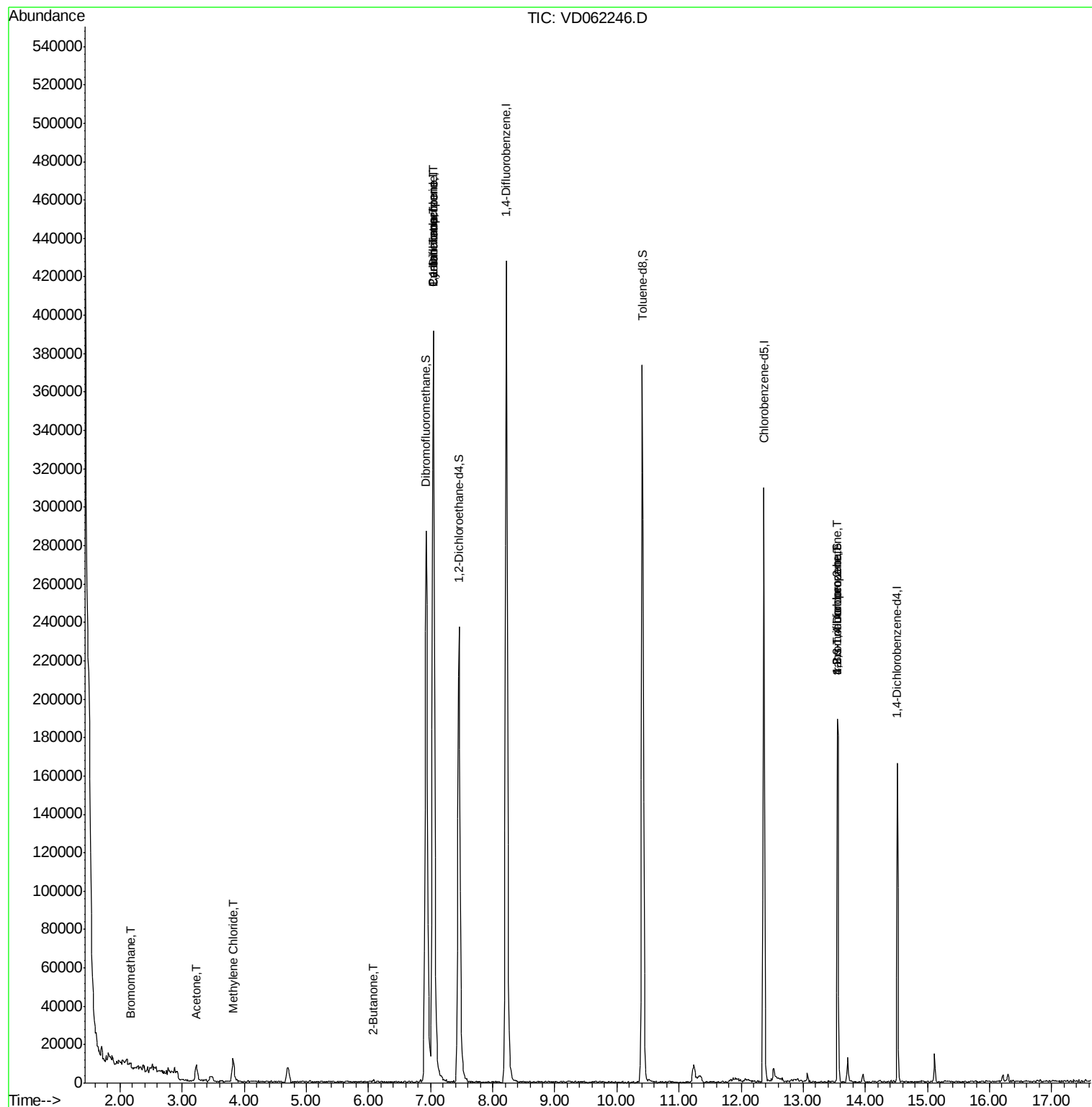
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	840	1.459	ug/l #	12
16) Acetone	3.23	43	17444	24.736	ug/l #	89
20) Methylene Chloride	3.82	84	8382	2.847	ug/l #	87
25) 2-Butanone	6.08	43	775	1.008	ug/l #	56
31) Cyclohexane	7.06	56	7773	2.203	ug/l #	23
36) 1,1-Dichloropropene	7.05	75	28117	7.470	ug/l #	46
38) Carbon Tetrachloride	7.05	117	38335	7.358	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	22343	51.737	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	26784	219.692	ug/l #	16

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

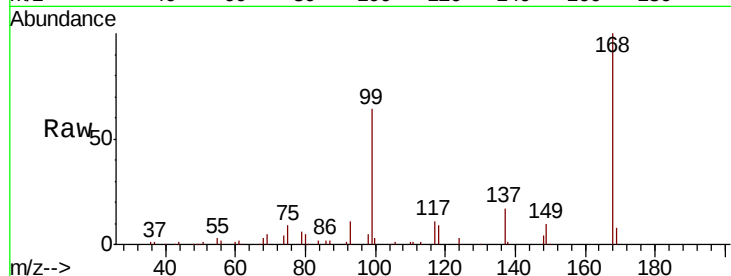
P026-SS011-0206-01RE

Tot Ion:168 Resp: 361852

Ion Ratio Lower Upper

168 100

99 63.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

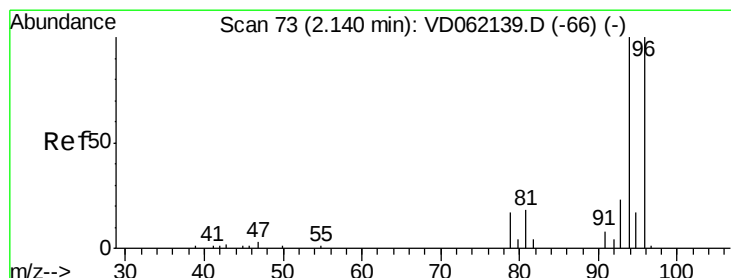
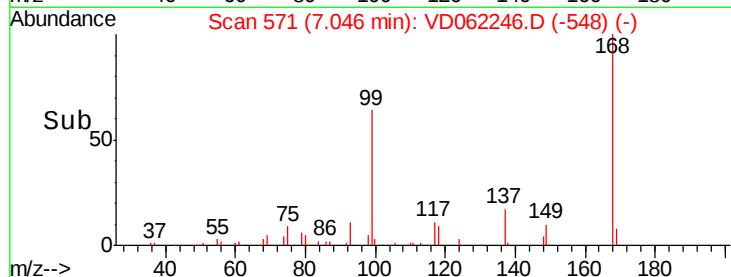
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.459 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

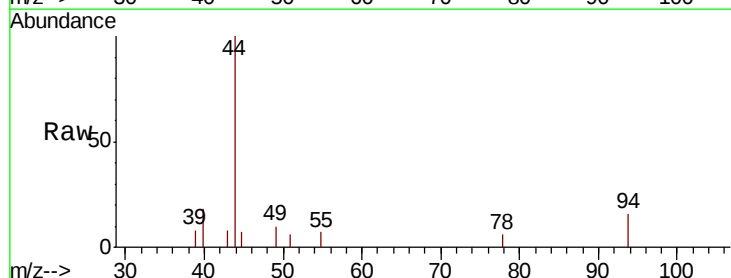
Tgt Ion: 94 Resp: 840

Ion Ratio Lower Upper

94 100

96 0.0 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

1500

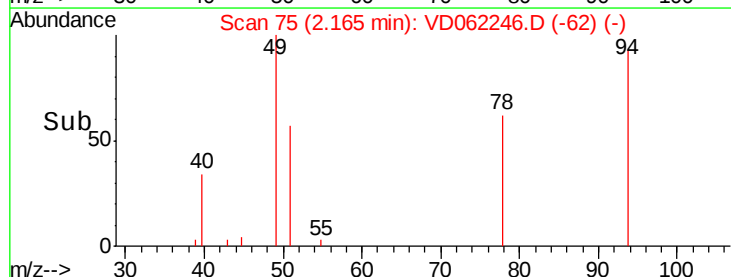
1000

500

0

Time-->

2.10 2.15 2.20





#16

Acetone

Concen: 24.736 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

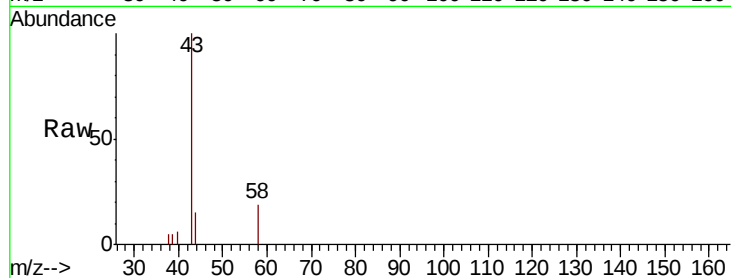
P026-SS011-0206-01RE

Tot Ion: 43 Resp: 17444

Ion Ratio Lower Upper

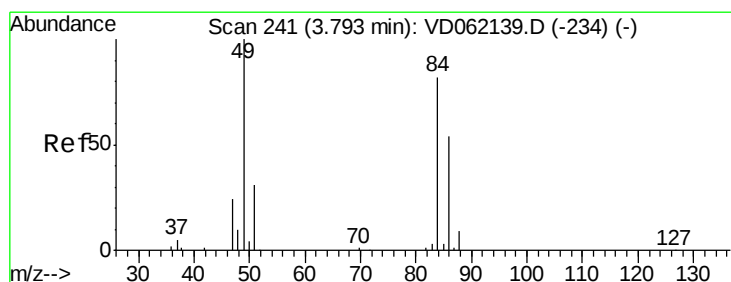
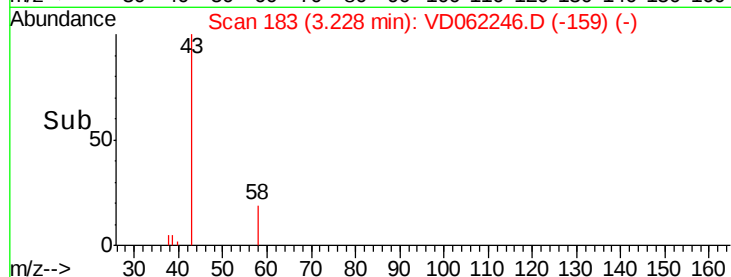
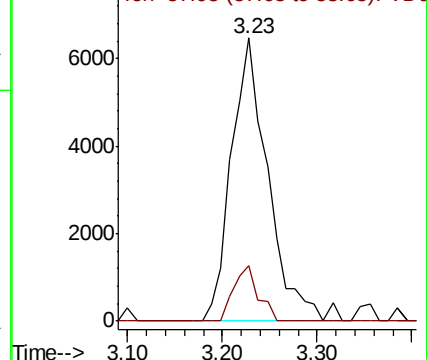
43 100

58 19.4 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: 2.847 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Tgt Ion: 84 Resp: 8382

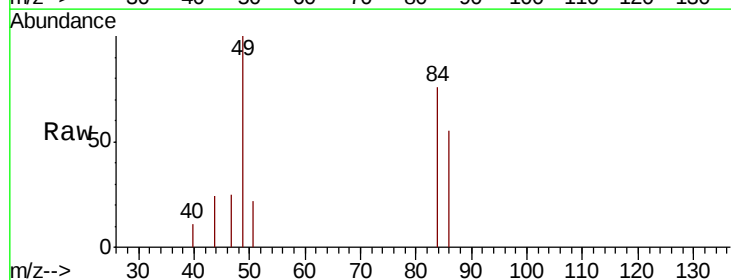
Ion Ratio Lower Upper

84 100

49 131.5 94.0 141.0

51 28.3 29.0 43.4#

86 72.9 49.8 74.6

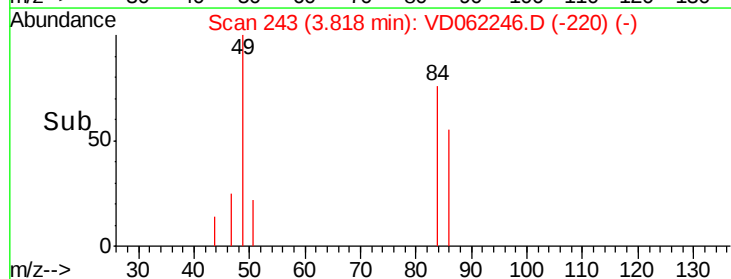
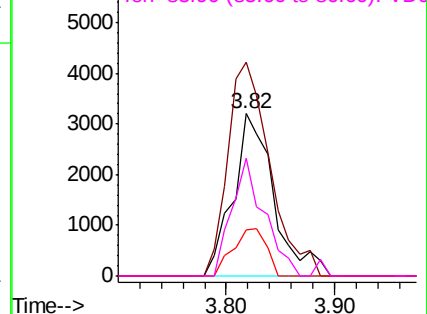


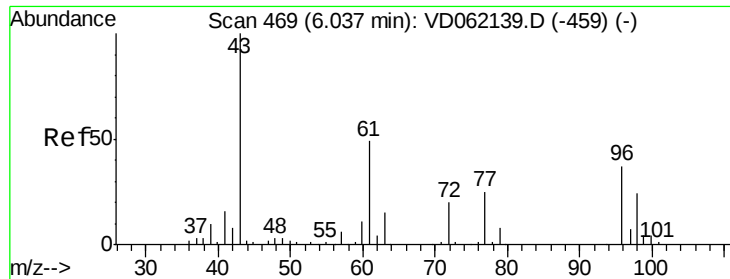
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.008 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

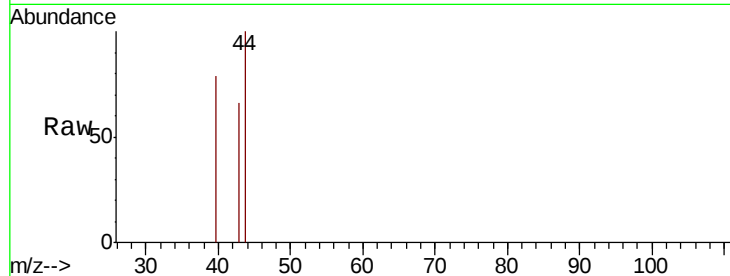
P026-SS011-0206-01RE

Tot Ion: 43 Resp: 775

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

6.08

500

400

300

200

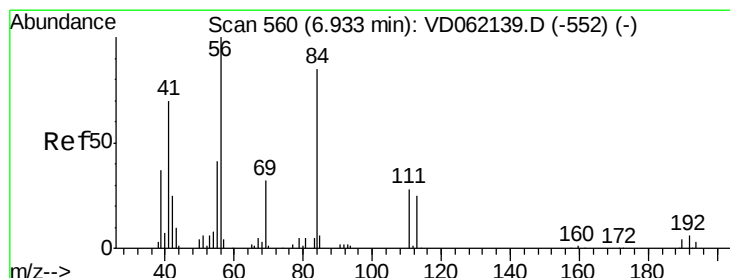
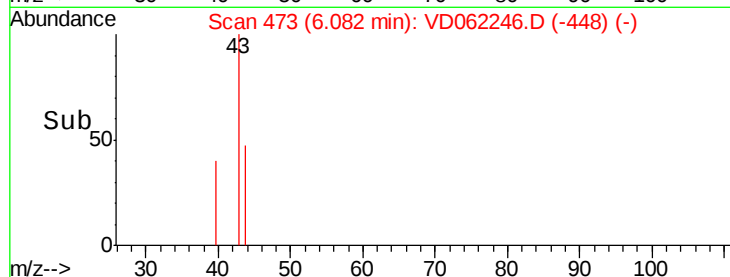
100

0

6.05

6.10

Time-->



#31

Cyclohexane

Concen: 2.203 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

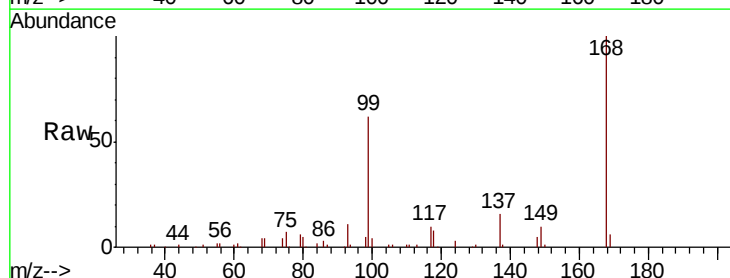
Tgt Ion: 56 Resp: 7773

Ion Ratio Lower Upper

56 100

69 179.2 25.8 38.6#

84 80.5 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

8000

6000

4000

2000

0

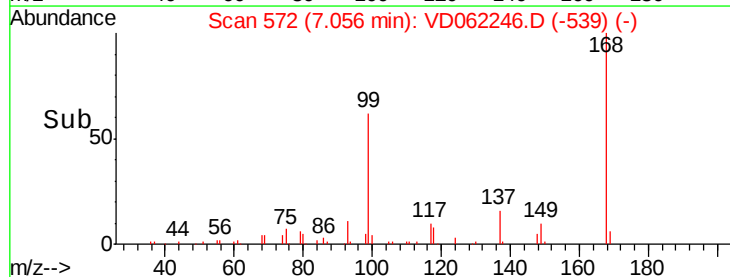
6.95

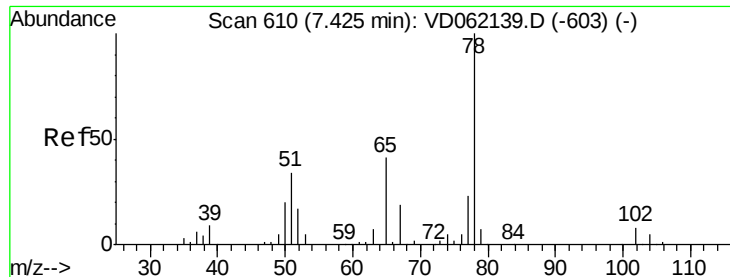
7.00

7.05

7.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: 78.126 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

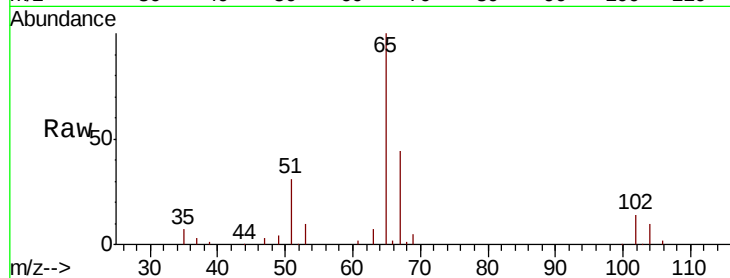
P026-SS011-0206-01RE

Tot Ion: 65 Resp: 262718

Ion Ratio Lower Upper

65 100

67 43.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

60000

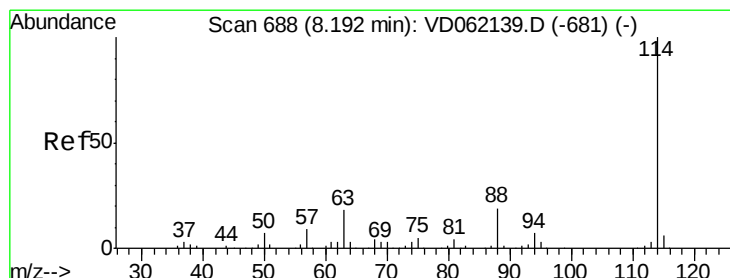
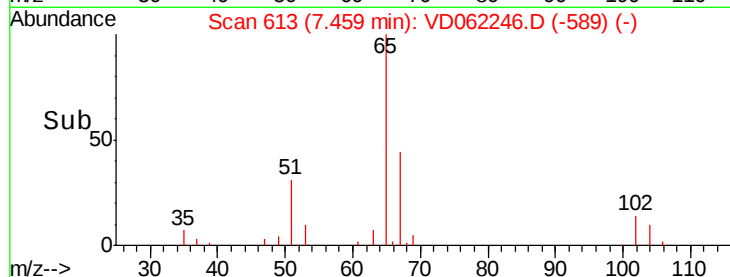
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

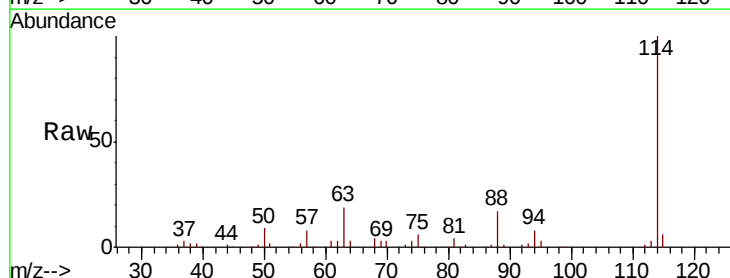
Tgt Ion: 114 Resp: 459091

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

88 17.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

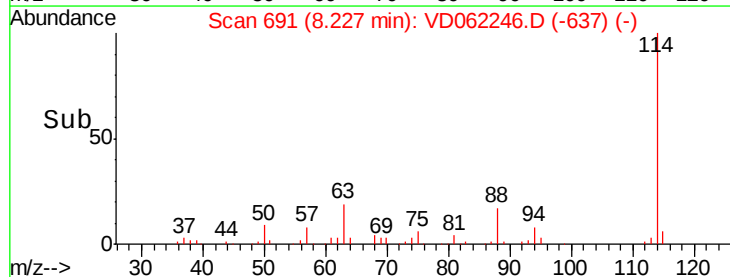
100000

50000

0

Time-->

8.20 8.40

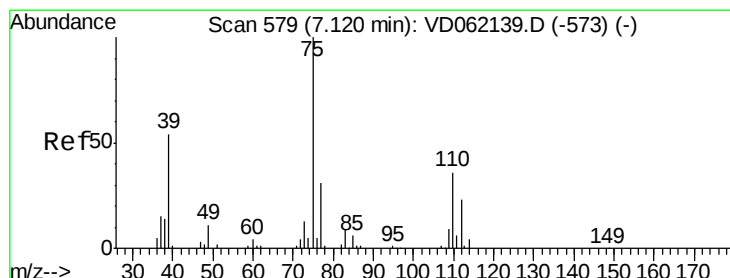
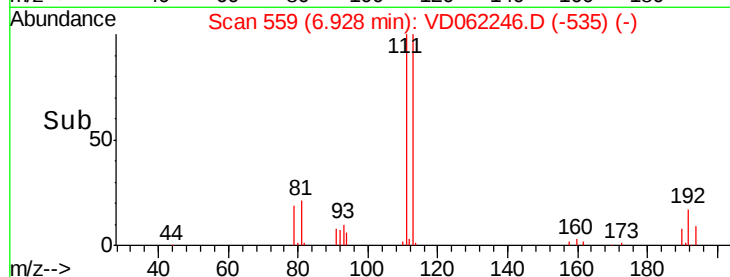
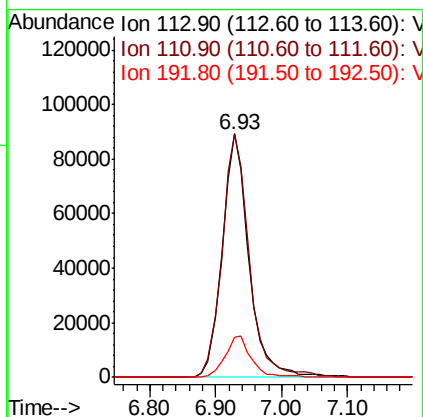
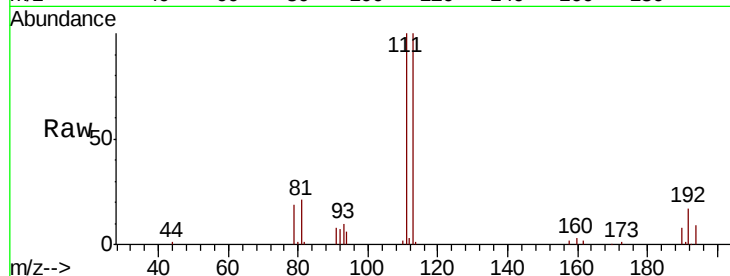




#35
 Dibromofluoromethane
 Concen: 66.341 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062246.D
 Acq: 11 May 2019 19:17

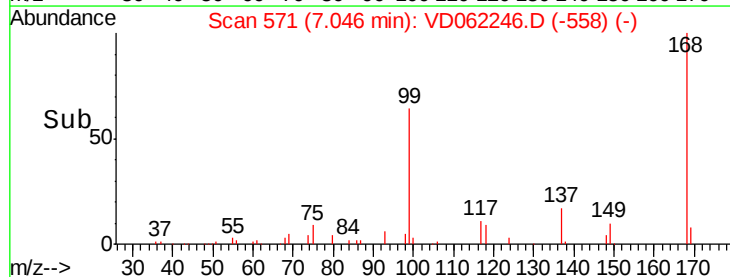
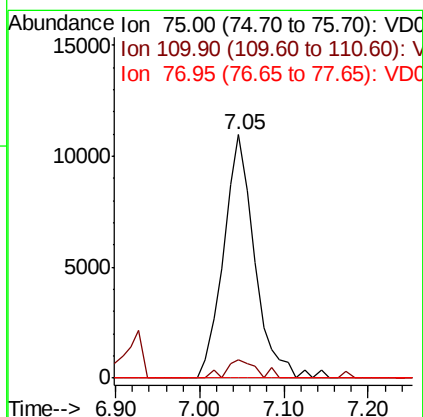
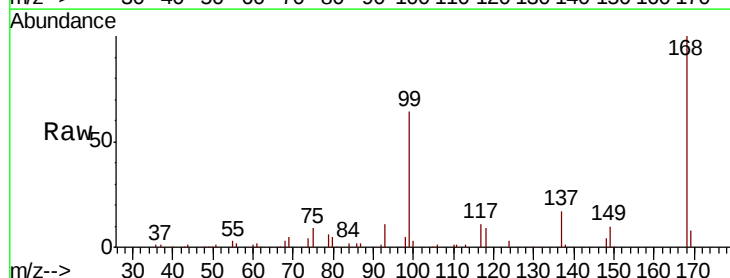
Instrument :
 MSVOA_D
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 P026-SS011-0206-01RE

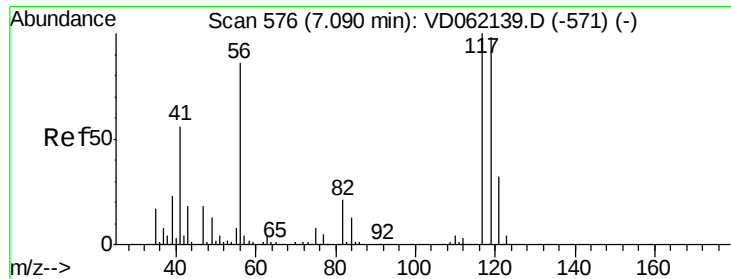
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	78.5	117.7
192	16.7	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 7.470 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD062246.D
 Acq: 11 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.1	57.1#
77	0.0	25.6	38.4#

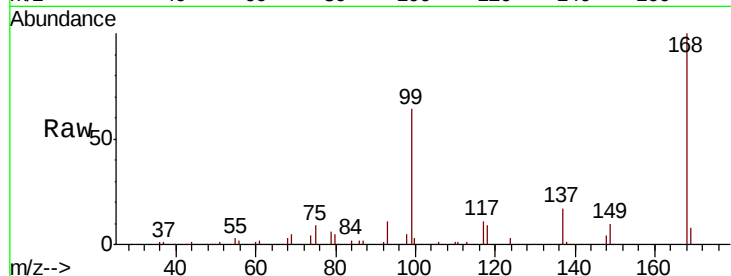




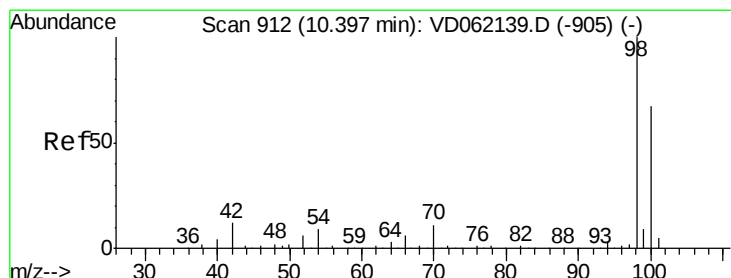
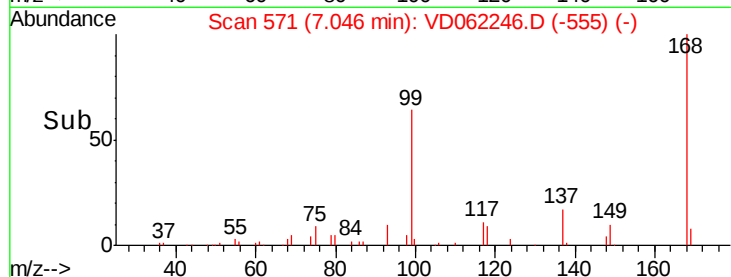
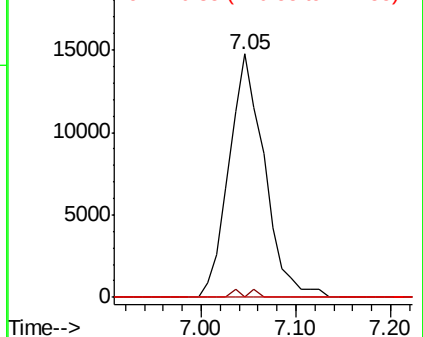
#38
Carbon Tetrachloride
Concen: 7.358 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD062246.D
Acq: 11 May 2019 19:17

Instrument :
MSVOA_D
ClientSampleId :
P026-SS011-0206-01RE

Tot Ion:117 Resp: 38335
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

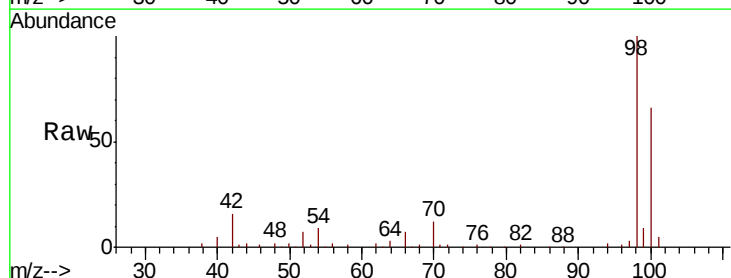


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

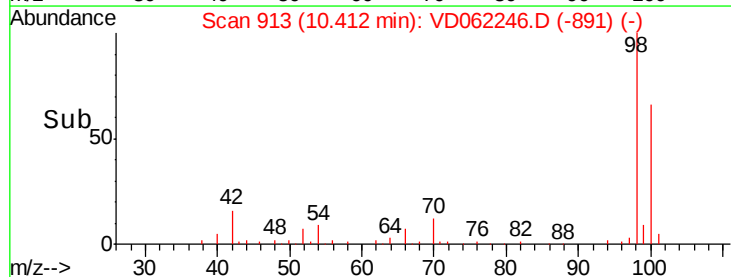
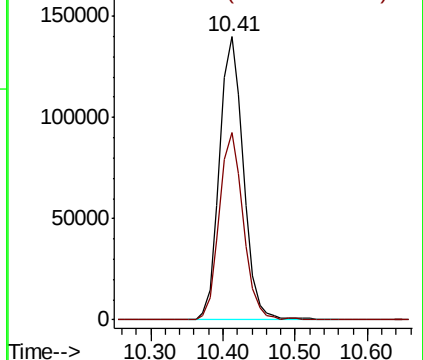


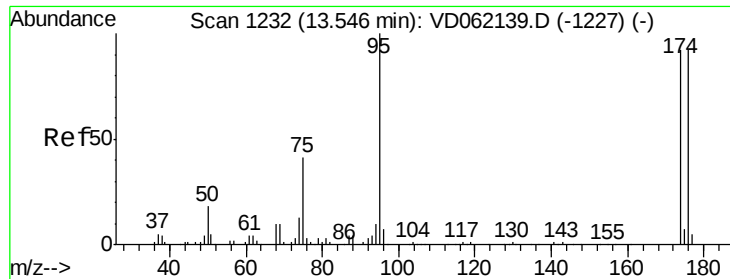
#50
Toluene-d8
Concen: 34.776 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062246.D
Acq: 11 May 2019 19:17

Tgt Ion: 98 Resp: 319388
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.8



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

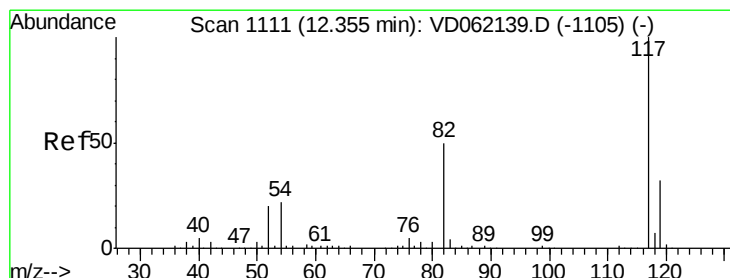
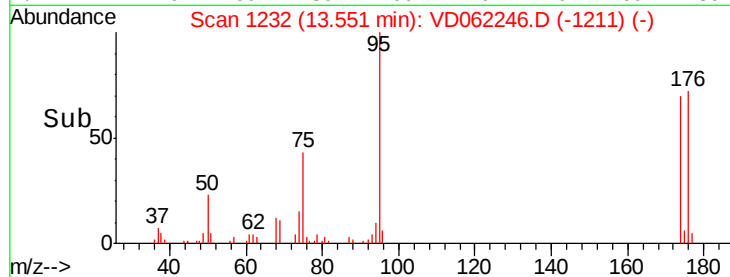
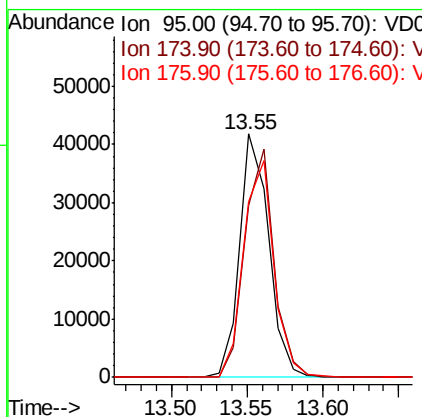
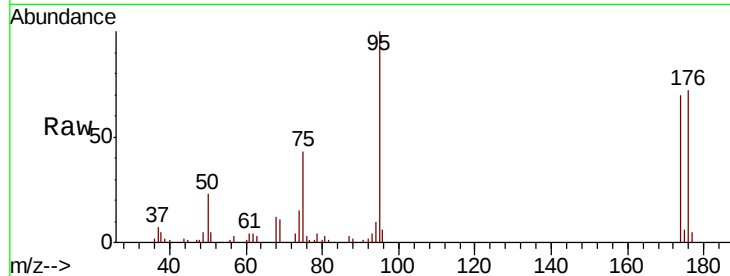




#62
4-Bromofluorobenzene
Concen: 15.114 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062246.D
Acq: 11 May 2019 19:17

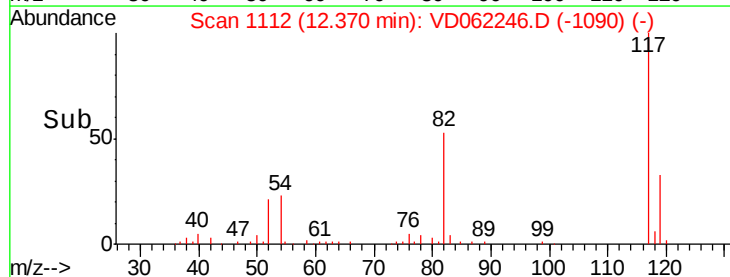
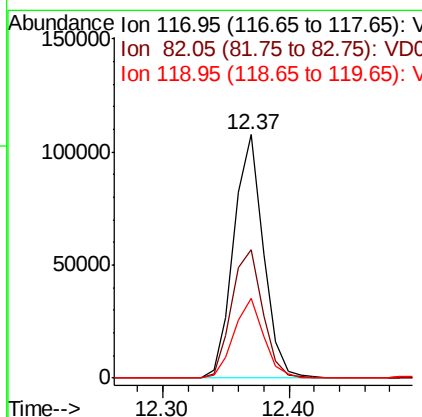
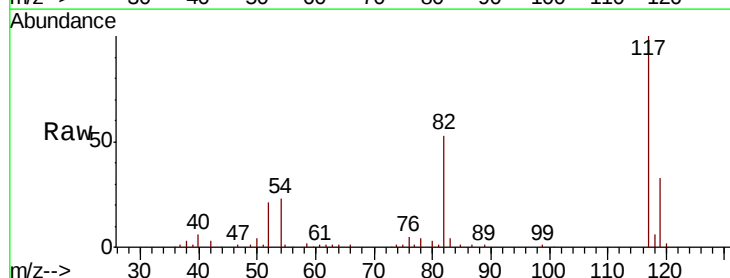
Instrument :
MSVOA_D
ClientSampleId :
P026-SS011-0206-01RE

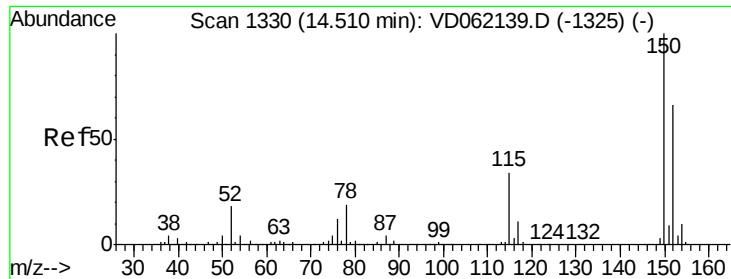
Tot Ion: 95 Resp: 55742
Ion Ratio Lower Upper
95 100
174 70.4 0.0 181.8
176 72.1 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062246.D
Acq: 11 May 2019 19:17

Tgt Ion: 117 Resp: 174751
Ion Ratio Lower Upper
117 100
82 52.7 36.2 54.2
119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

P026-SS011-0206-01RE

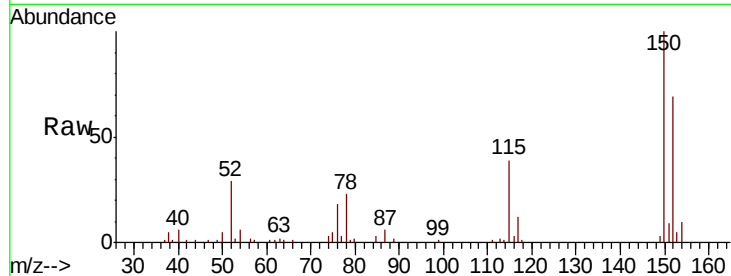
Tot Ion:152 Resp: 36339

Ion Ratio Lower Upper

152 100

115 56.7 30.9 92.7

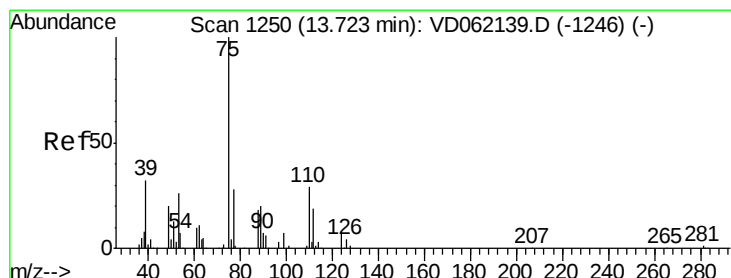
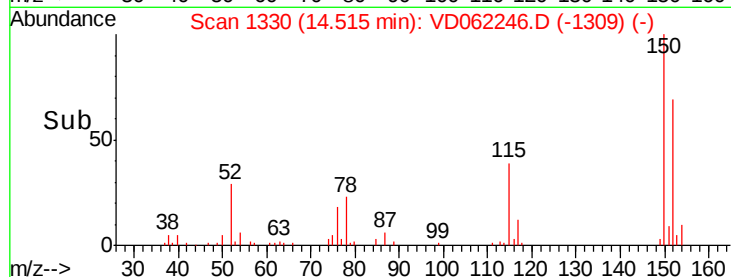
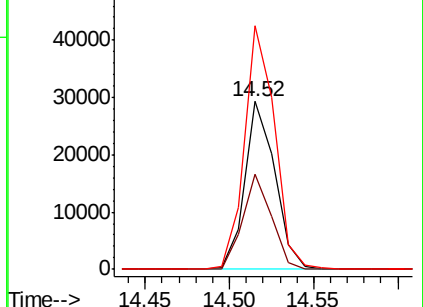
150 145.1 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 51.737 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062246.D

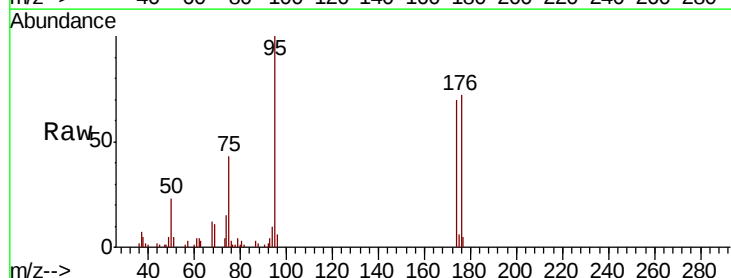
Acq: 11 May 2019 19:17

Tgt Ion: 75 Resp: 22343

Ion Ratio Lower Upper

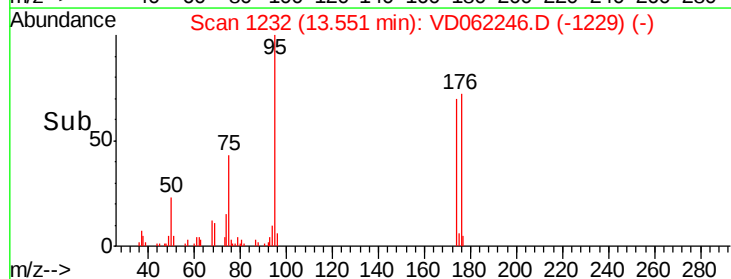
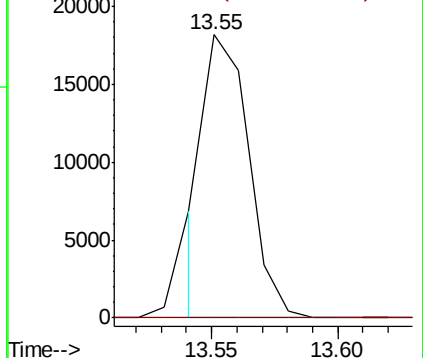
75 100

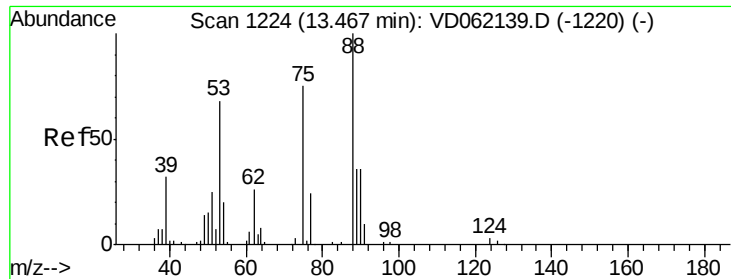
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 219.692 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062246.D

Acq: 11 May 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

P026-SS011-0206-01RE

Tot Ion: 75 Resp: 26784

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

