

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062247.D
 Acq On : 11 May 2019 19:45
 Operator : FY/SY
 Sample : K2719-22RE
 Misc : 5.64g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS011-1824-01

Quant Time: May 11 22:24:02 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	616009	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	783560	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	583069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	175977	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	335225	58.56	ug/l	0.03
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	6.92	113	368033	56.61	ug/l	0.03
Spiked Amount			Recovery	=	113.22%	
50) Toluene-d8	10.41	98	714468	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
62) 4-Bromofluorobenzene	13.56	95	207246	32.92	ug/l	0.00
Spiked Amount			Recovery	=	65.84%	

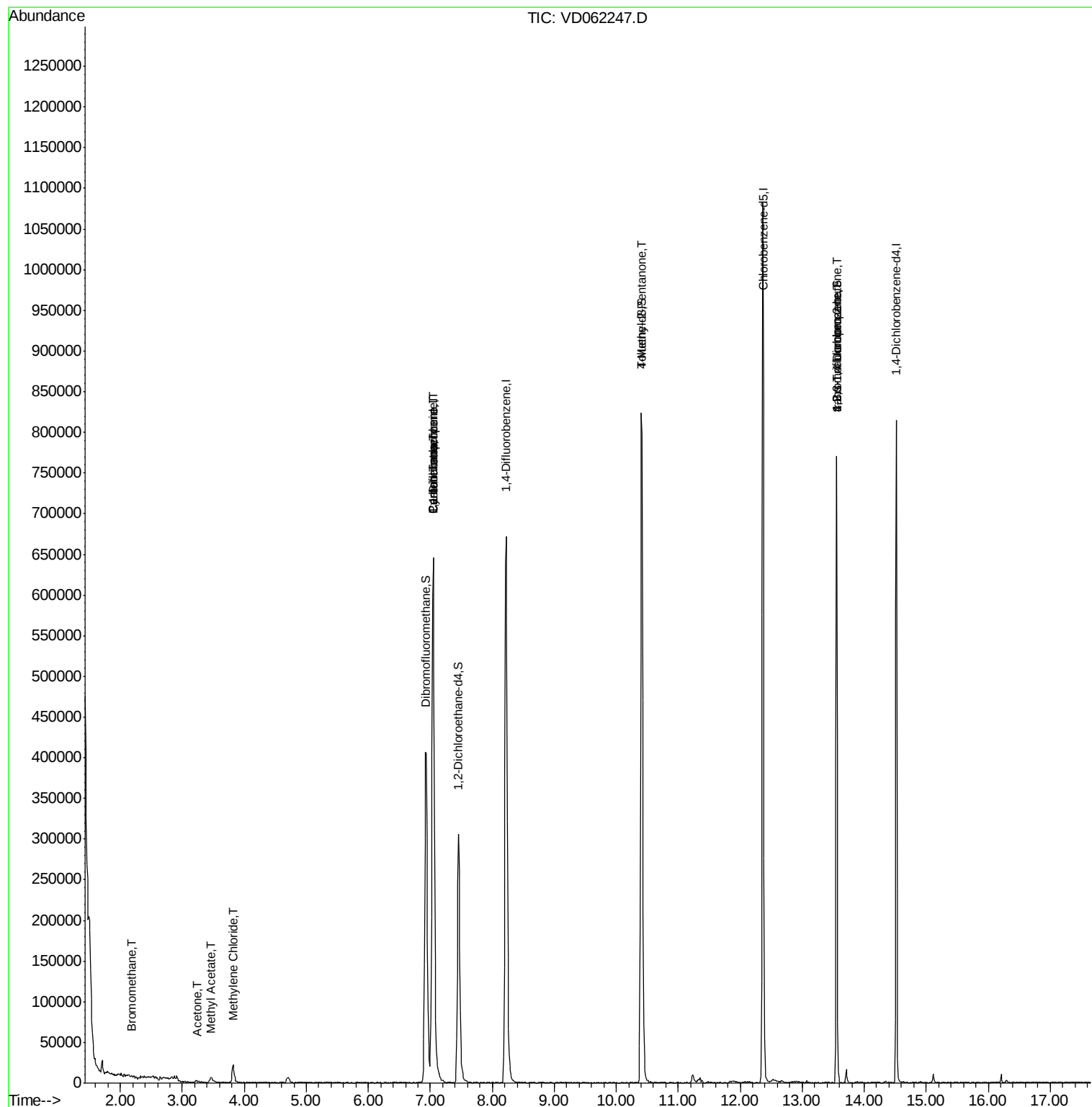
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1821	1.858	ug/l #	12
16) Acetone	3.23	43	5445	4.536	ug/l #	86
18) Methyl Acetate	3.47	43	2801	1.007	ug/l #	53
20) Methylene Chloride	3.82	84	12137	2.421	ug/l #	78
31) Cyclohexane	7.04	56	12754	2.123	ug/l #	11
36) 1,1-Dichloropropene	7.05	75	48445	7.541	ug/l #	49
38) Carbon Tetrachloride	7.05	117	64499	7.254	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	3922	1.579	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	61785	29.543	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	88652	150.156	ug/l #	16

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

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Quant Time: May 11 22:24:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

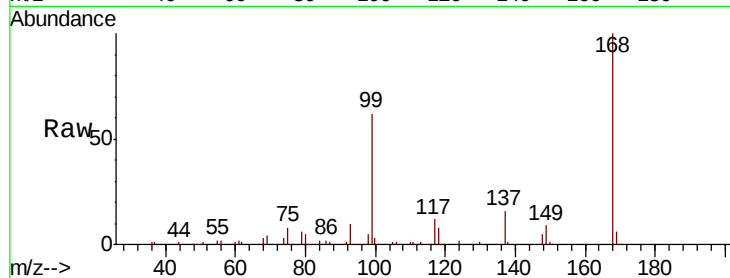
P026-SS011-1824-01

Tot Ion:168 Resp: 616009

Ion Ratio Lower Upper

168 100

99 62.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

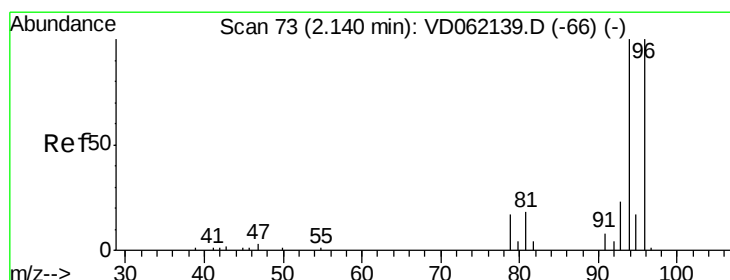
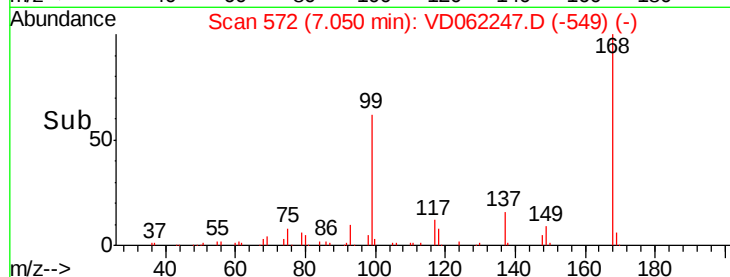
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.858 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

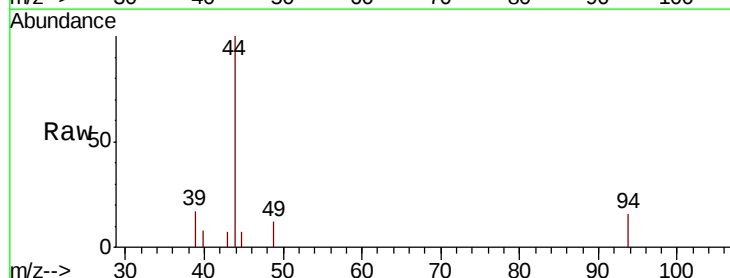
Tgt Ion: 94 Resp: 1821

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

1000

800

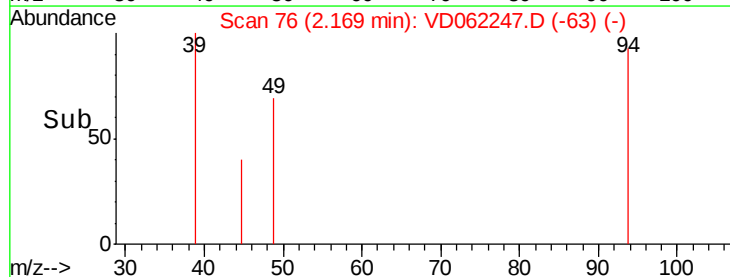
600

400

200

0

Time-->





#16

Acetone

Concen: 4.536 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

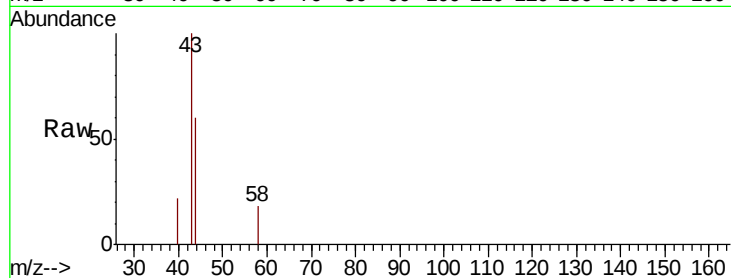
P026-SS011-1824-01

Tot Ion: 43 Resp: 5445

Ion Ratio Lower Upper

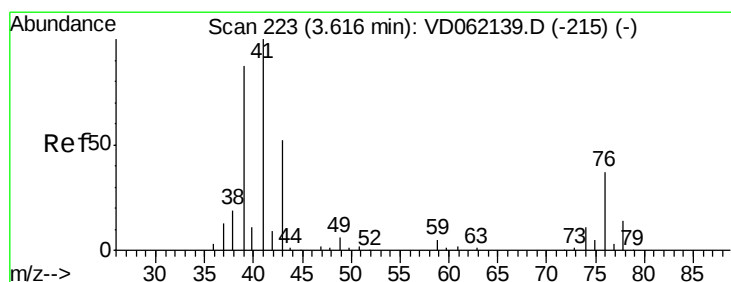
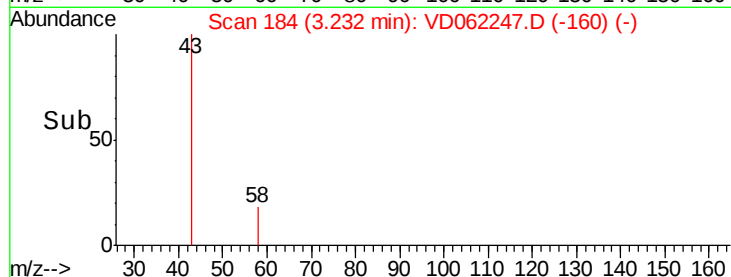
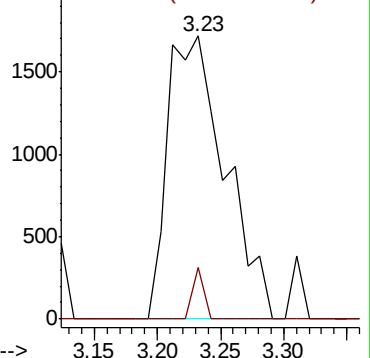
43 100

58 18.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.007 ug/l

RT: 3.47 min Scan# 208

Delta R.T. -0.15 min

Lab File: VD062247.D

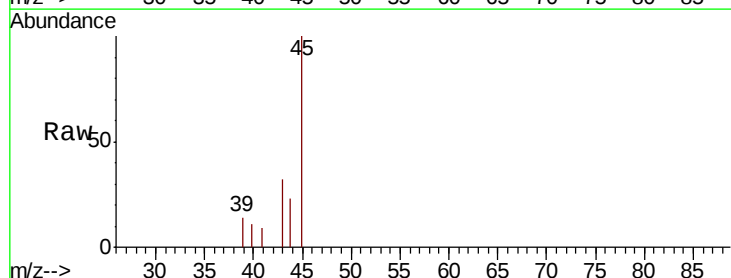
Acq: 11 May 2019 19:45

Tgt Ion: 43 Resp: 2801

Ion Ratio Lower Upper

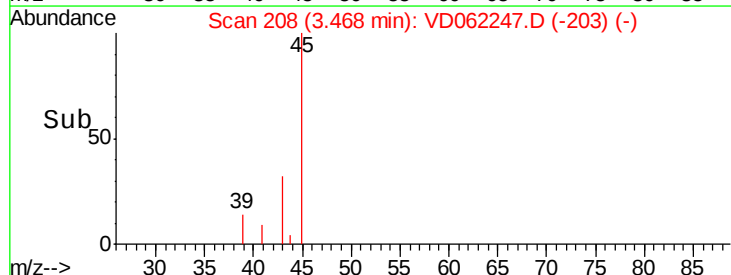
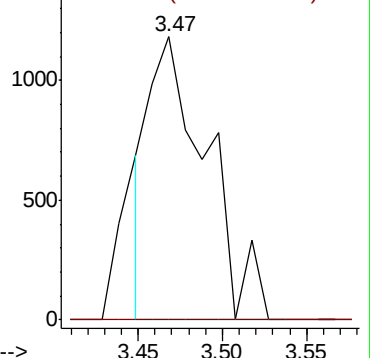
43 100

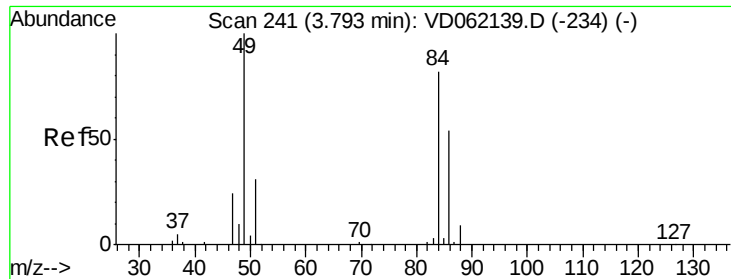
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

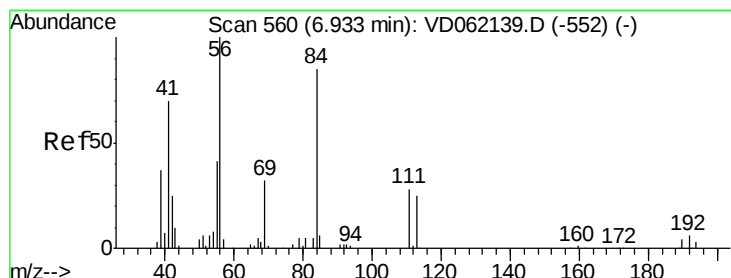
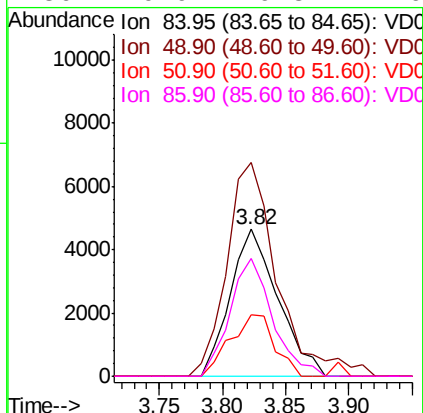
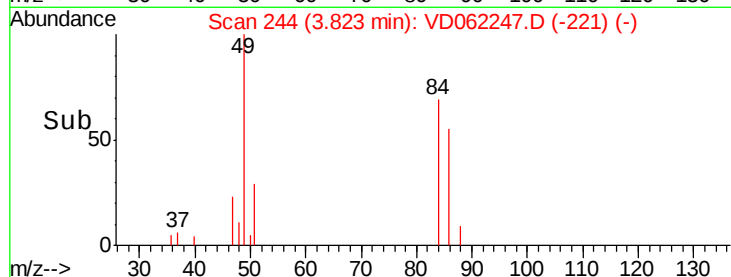
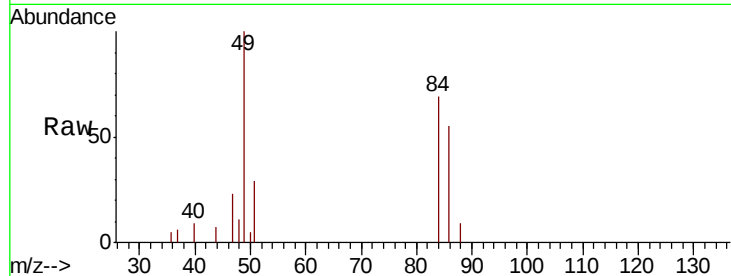




#20
Methvlene Chloride
Concen: 2.421 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

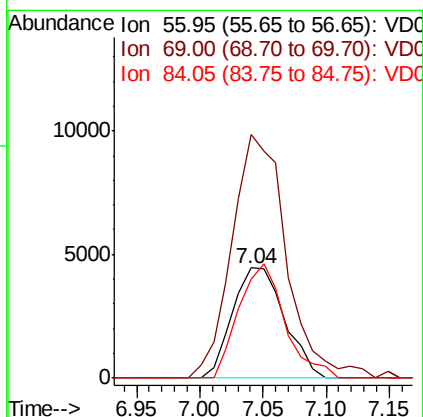
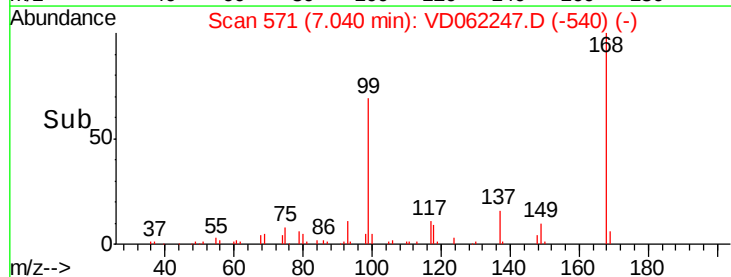
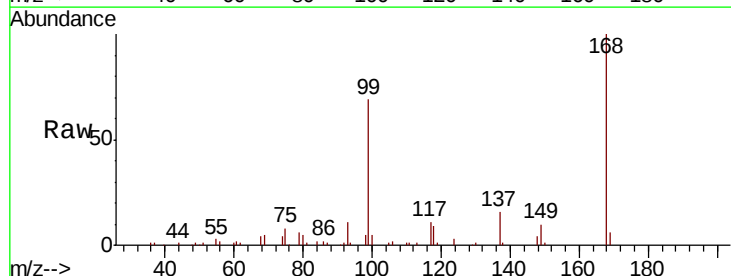
Instrument :
MSVOA_D
ClientSampleId :
P026-SS011-1824-01

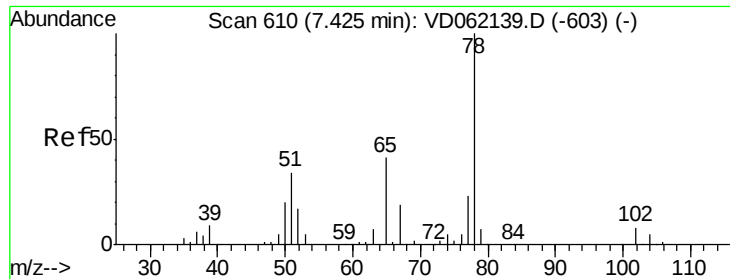
Tot Ion: 84 Resp: 12137
Ion Ratio Lower Upper
84 100
49 145.3 94.0 141.0#
51 42.0 29.0 43.4
86 79.9 49.8 74.6#



#31
Cyclohexane
Concen: 2.123 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

Tgt Ion: 56 Resp: 12754
Ion Ratio Lower Upper
56 100
69 220.6 25.8 38.6#
84 90.1 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 58.558 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

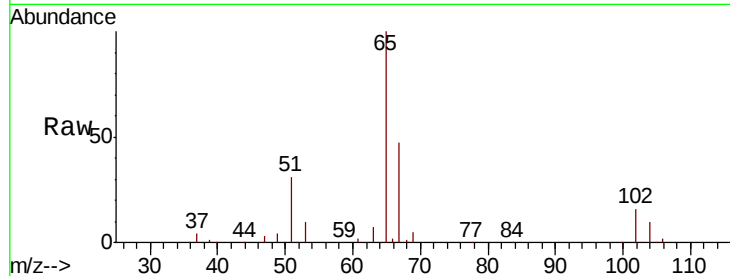
P026-SS011-1824-01

Tot Ion: 65 Resp: 335225

Ion Ratio Lower Upper

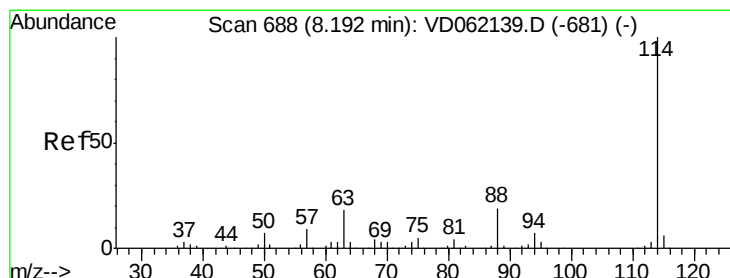
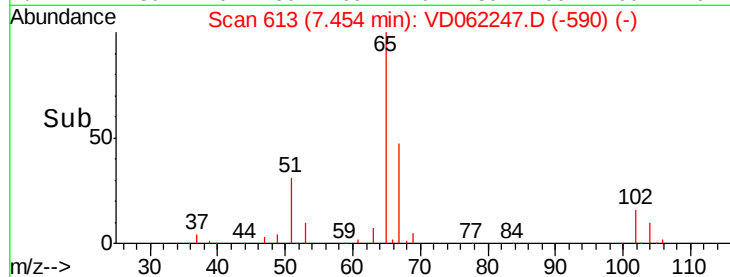
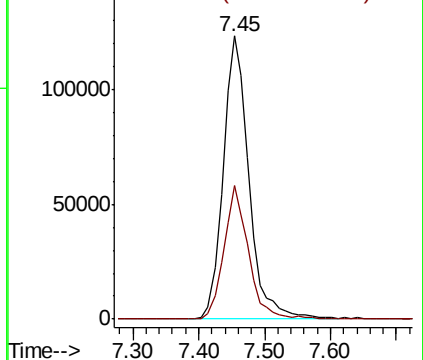
65 100

67 47.1 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: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

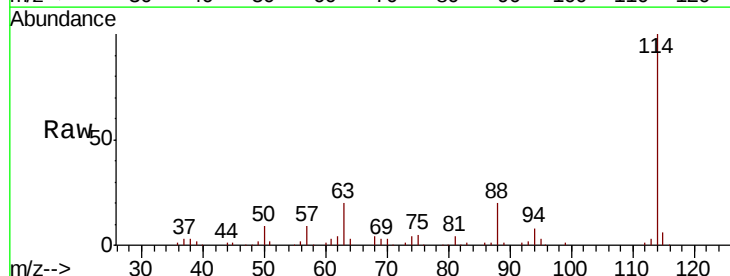
Tgt Ion: 114 Resp: 783560

Ion Ratio Lower Upper

114 100

63 19.6 0.0 32.4

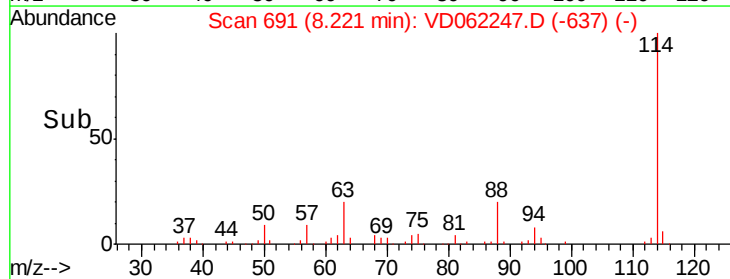
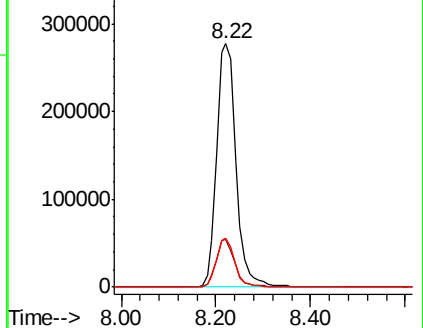
88 20.2 0.0 33.6

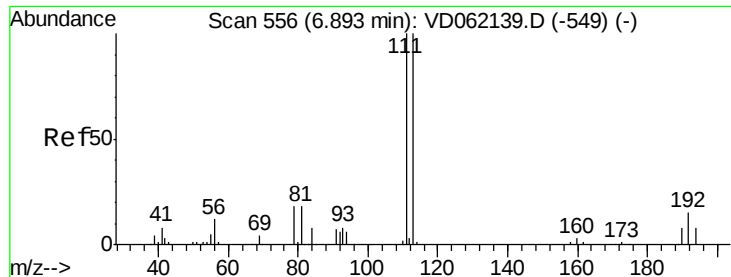


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.609 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

P026-SS011-1824-01

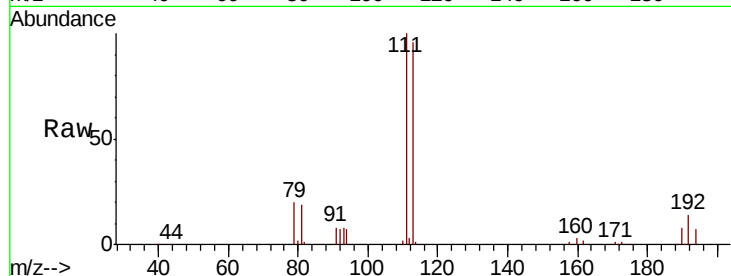
Tot Ion:113 Resp: 368033

Ion Ratio Lower Upper

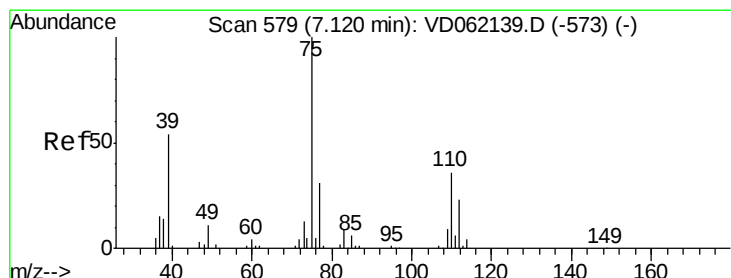
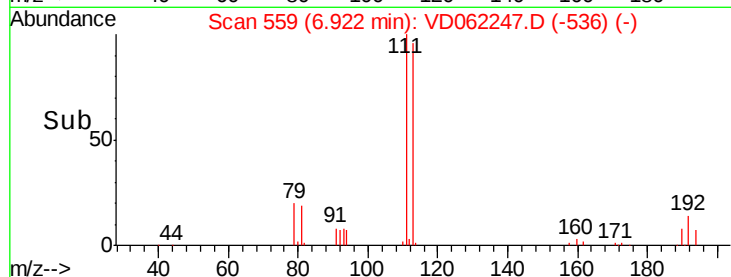
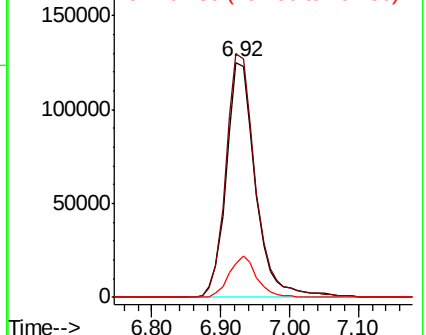
113 100

111 103.7 78.5 117.7

192 14.5 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: 7.541 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

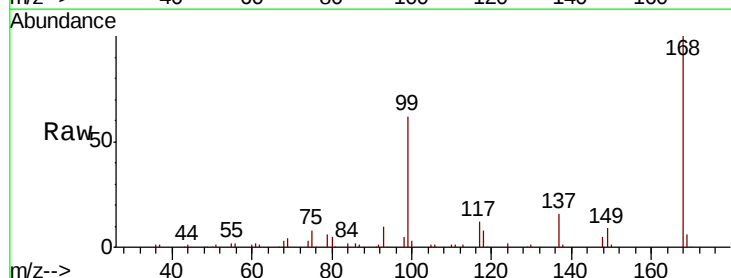
Tgt Ion: 75 Resp: 48445

Ion Ratio Lower Upper

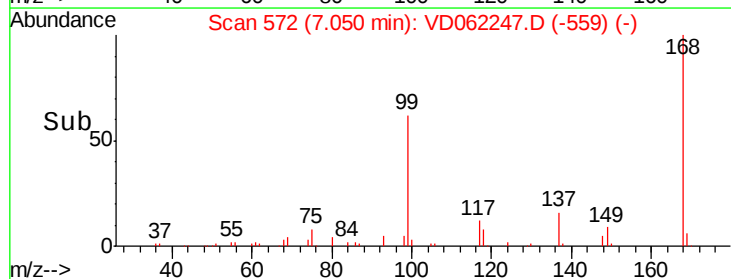
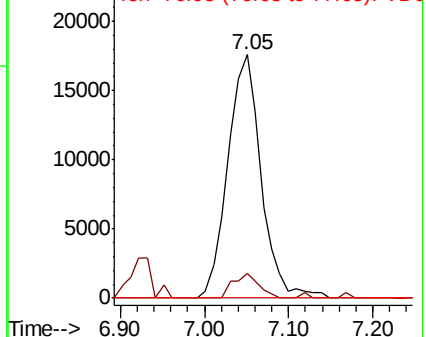
75 100

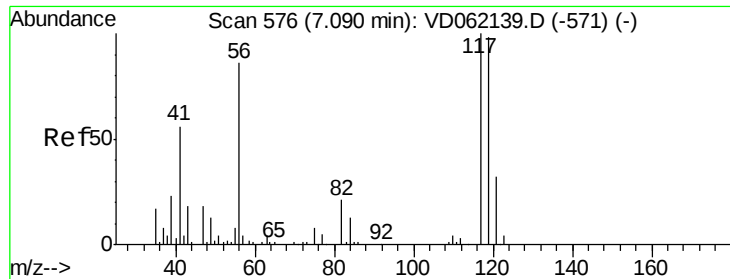
110 10.1 19.1 57.1#

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

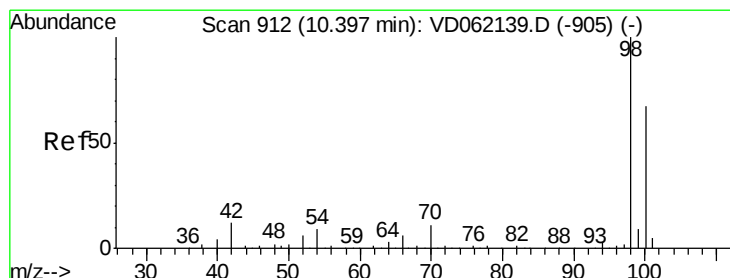
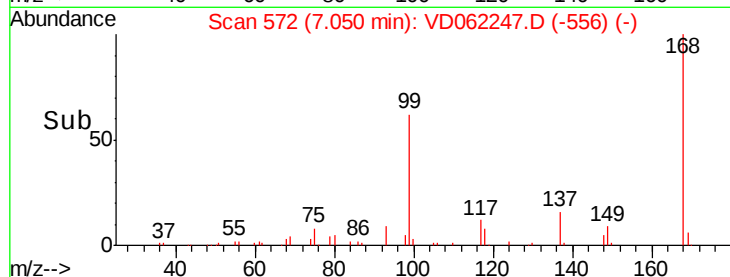
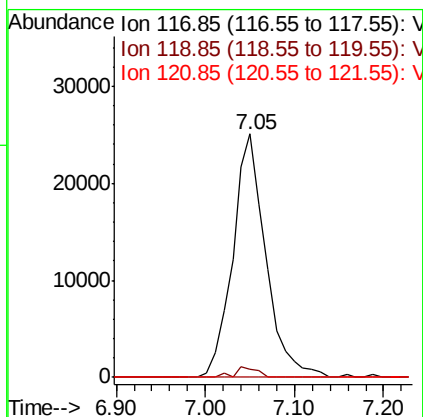
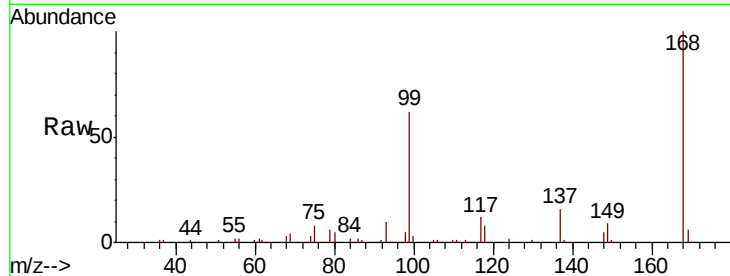




#38
Carbon Tetrachloride
Concen: 7.254 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

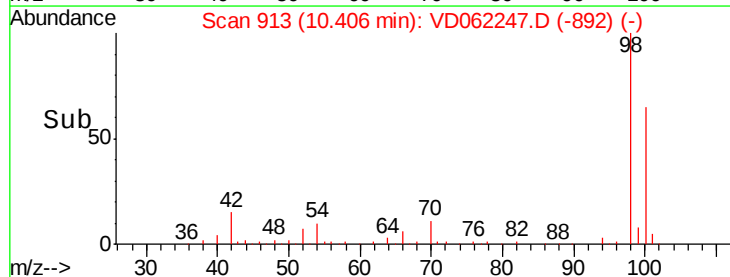
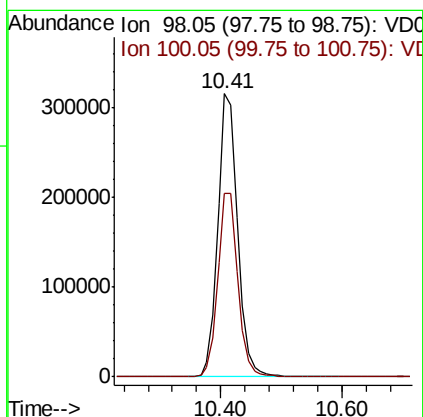
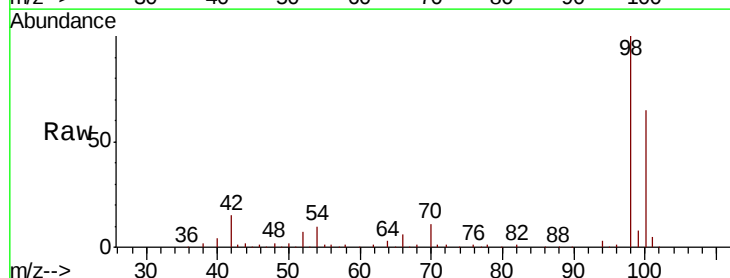
Instrument :
MSVOA_D
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P026-SS011-1824-01

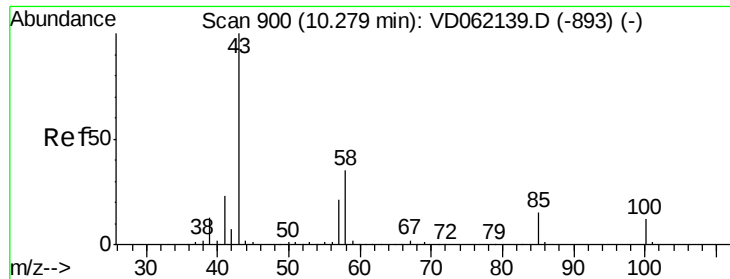
Tot Ion:117 Resp: 64499
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 45.580 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

Tgt Ion: 98 Resp: 714468
Ion Ratio Lower Upper
98 100
100 64.7 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.579 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

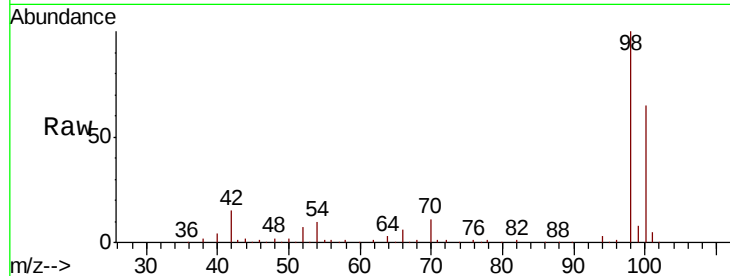
P026-SS011-1824-01

Tot Ion: 43 Resp: 3922

Ion Ratio Lower Upper

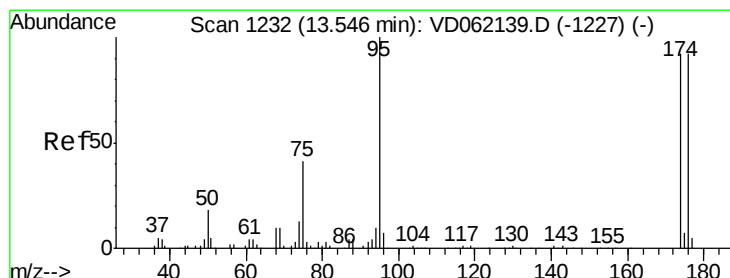
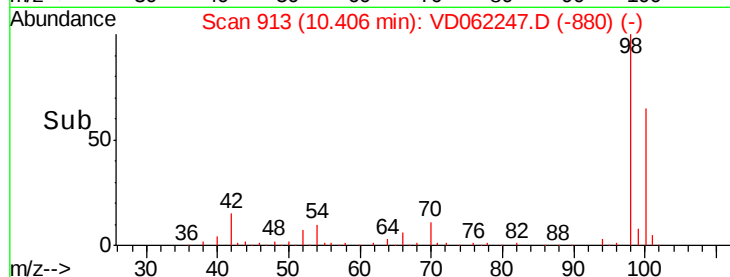
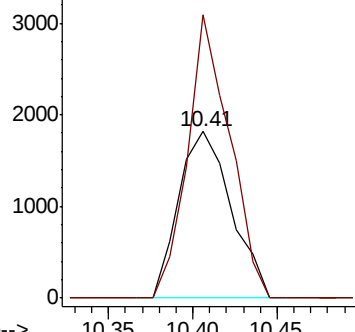
43 100

58 170.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 32.925 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062247.D

Acq: 11 May 2019 19:45

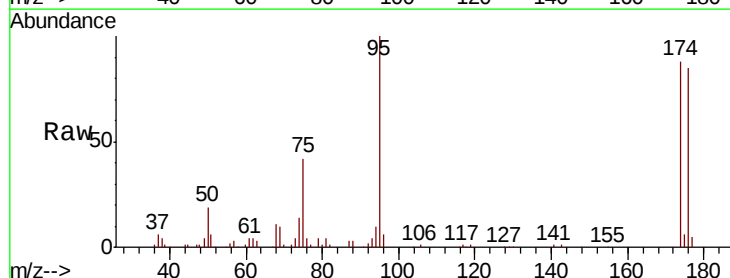
Tgt Ion: 95 Resp: 207246

Ion Ratio Lower Upper

95 100

174 88.2 0.0 181.8

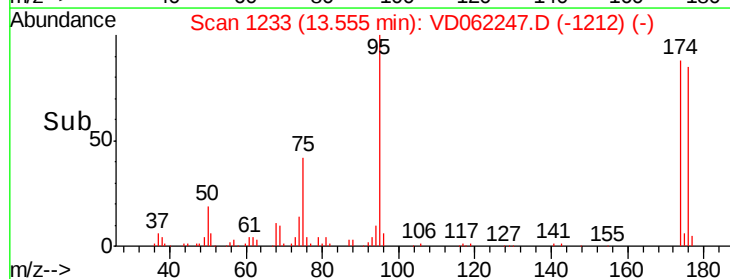
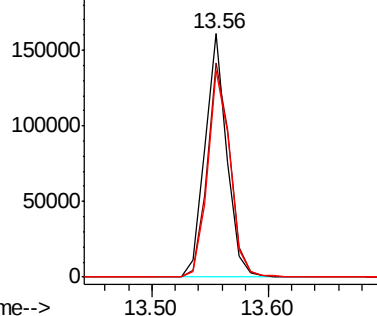
176 85.0 0.0 174.4

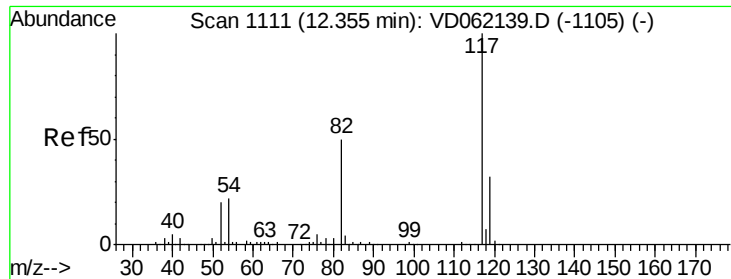


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

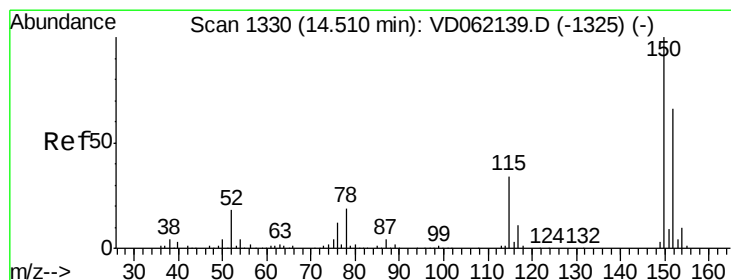
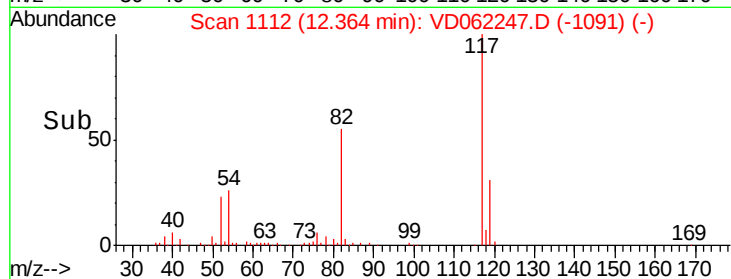
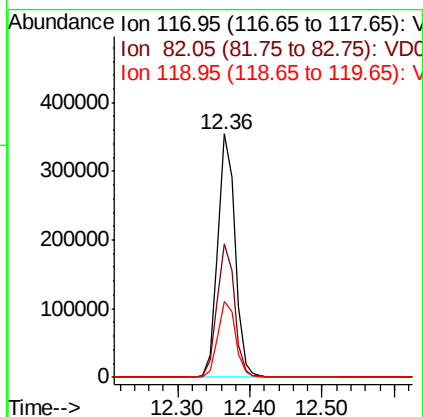
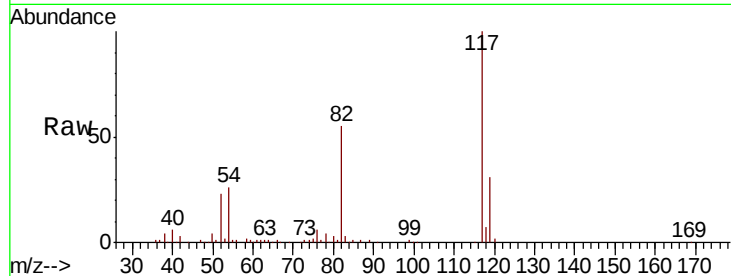




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

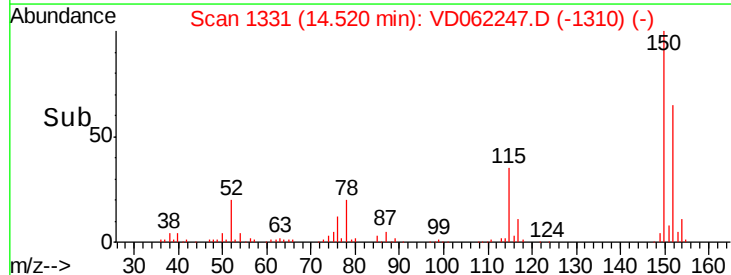
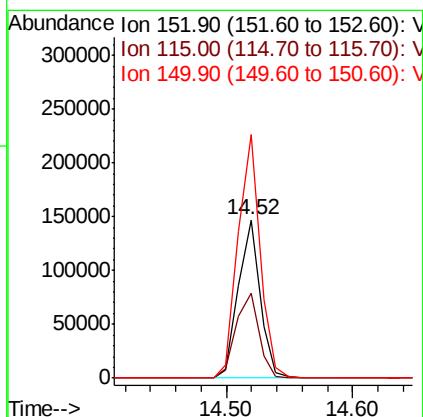
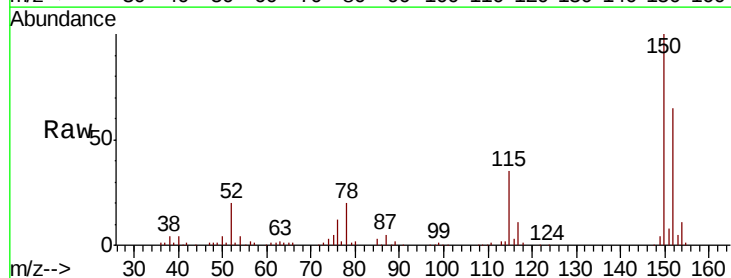
Instrument :
MSVOA_D
ClientSampleId :
P026-SS011-1824-01

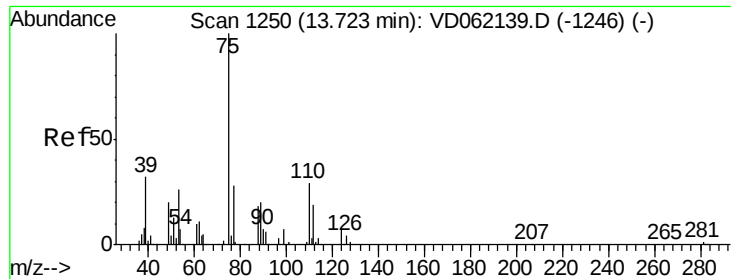
Tot Ion:117 Resp: 583069
Ion Ratio Lower Upper
117 100
82 55.0 36.2 54.2#
119 31.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062247.D
Acq: 11 May 2019 19:45

Tgt Ion:152 Resp: 175977
Ion Ratio Lower Upper
152 100
115 53.9 30.9 92.7
150 153.8 0.0 314.8

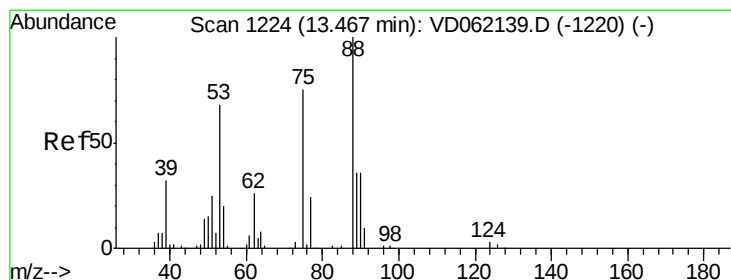
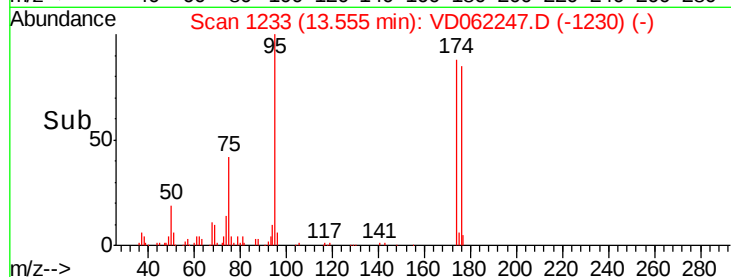
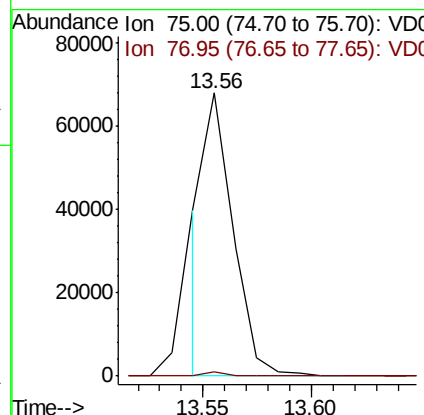
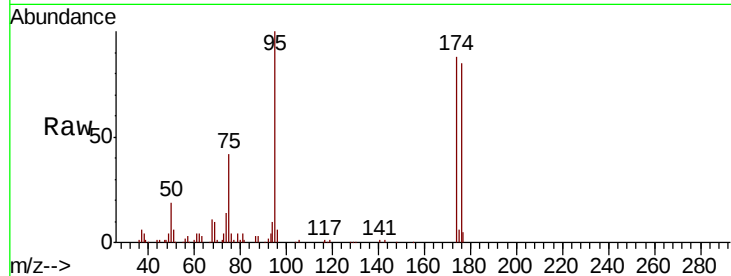




#76
 1,2,3-Trichloropropane
 Concen: 29.543 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD062247.D
 Acq: 11 May 2019 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS011-1824-01

Tot Ion: 75 Resp: 61785
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.156 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062247.D
 Acq: 11 May 2019 19:45

Tgt Ion: 75 Resp: 88652
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

