

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062201.D
 Acq On : 9 May 2019 21:17
 Operator : FY/SY
 Sample : K2717-13
 Misc : 5.42g/5mL/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1824-01

Quant Time: May 10 04:22:46 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	7.04	168	665925	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	922577	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	686374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	246789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	416360	67.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	134.56%	
35) Dibromofluoromethane	6.91	113	497654	65.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	130.02%	
50) Toluene-d8	10.39	98	946576	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	13.54	95	307758	41.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.06%	

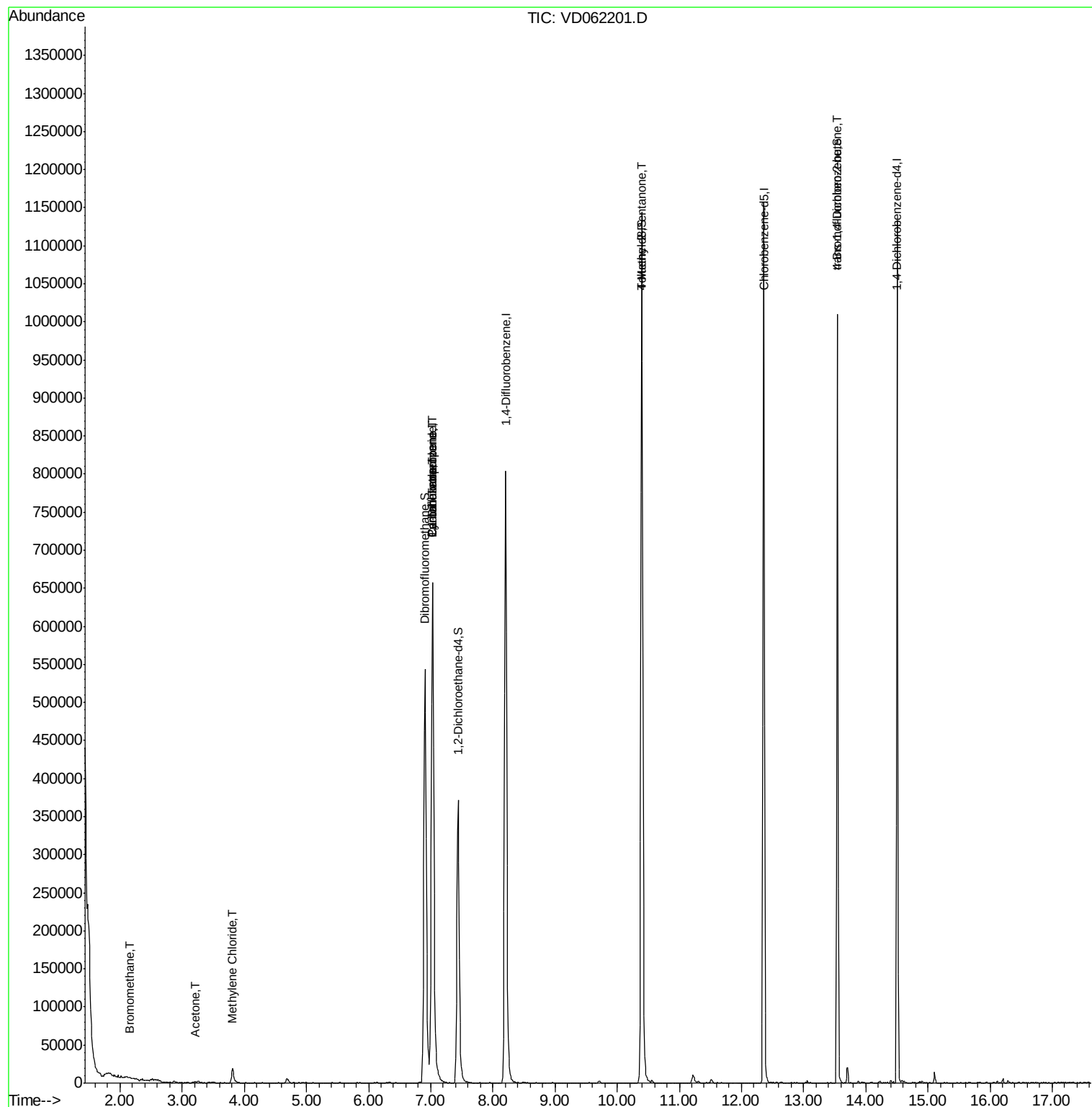
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	2551	2.407	ug/l #	12
16) Acetone	3.22	43	2179	1.679	ug/l #	50
18) Methyl Acetate	3.73	43	220	Below Cal	#	53
20) Methylene Chloride	3.81	84	12457	2.299	ug/l #	94
31) Cyclohexane	7.03	56	14127	2.176	ug/l #	21
36) 1,1-Dichloropropene	7.03	75	50746	6.709	ug/l #	45
38) Carbon Tetrachloride	7.04	117	64947	6.203	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	4576	1.565	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	132095	159.541	ug/l #	16

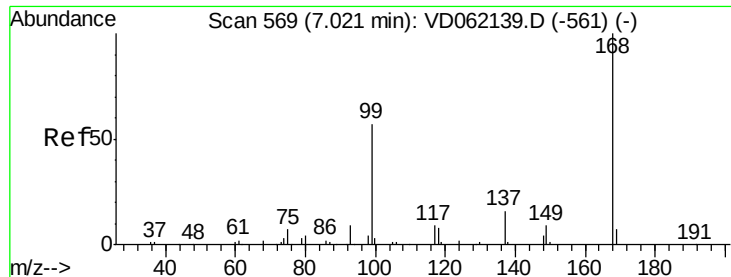
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

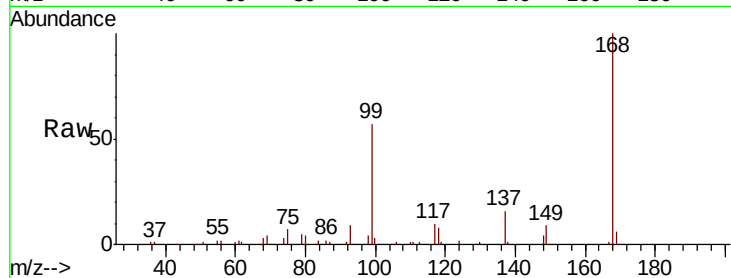
P026-SS002-1824-01

Tgt Ion:168 Resp: 665925

Ion Ratio Lower Upper

168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

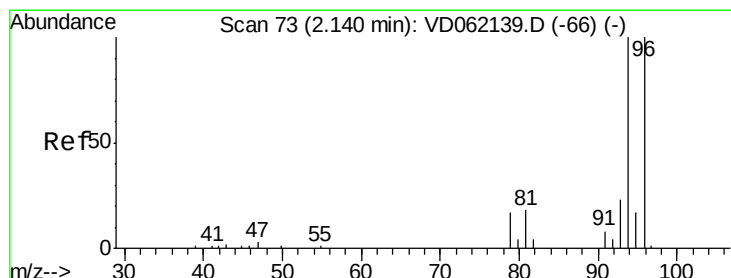
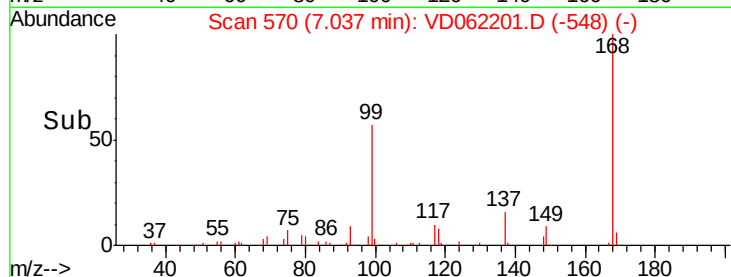
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 2.407 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

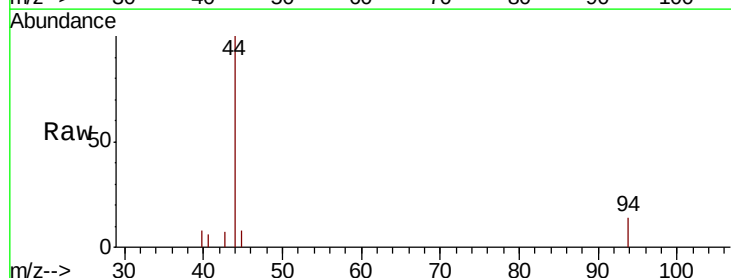
Tgt Ion: 94 Resp: 2551

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): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V

2.15

800

600

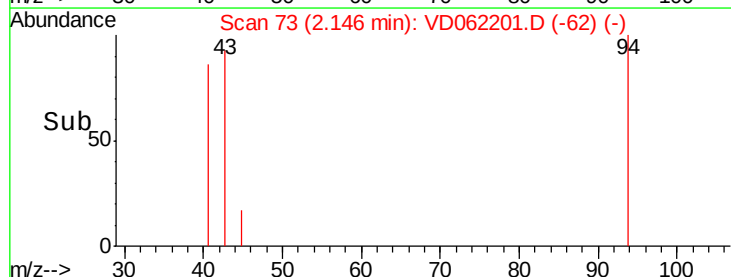
400

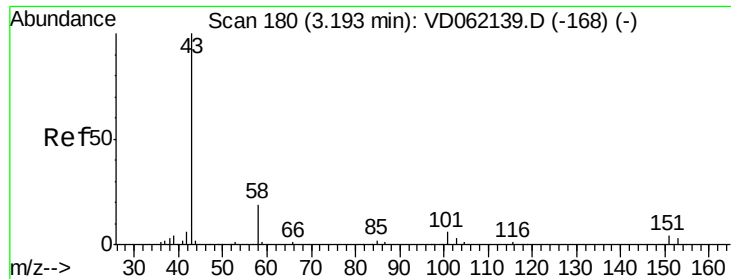
200

0

2.05 2.10 2.15 2.20

Time-->





#16

Acetone

Concen: 1.679 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

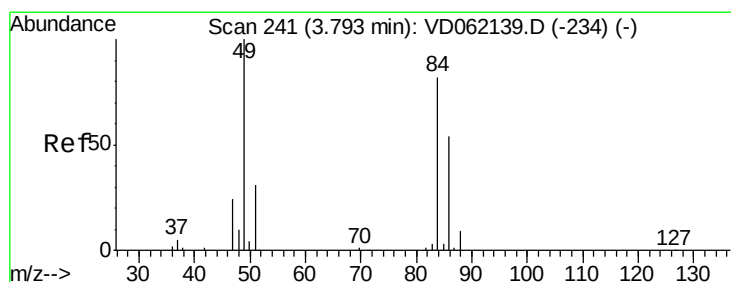
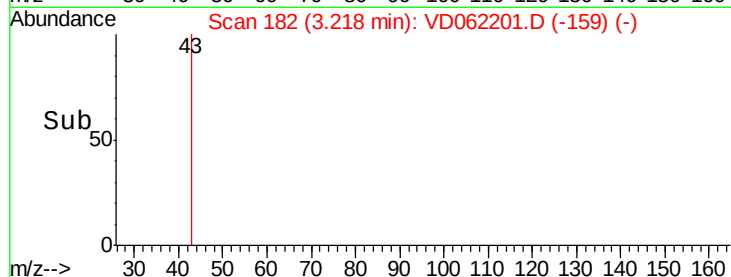
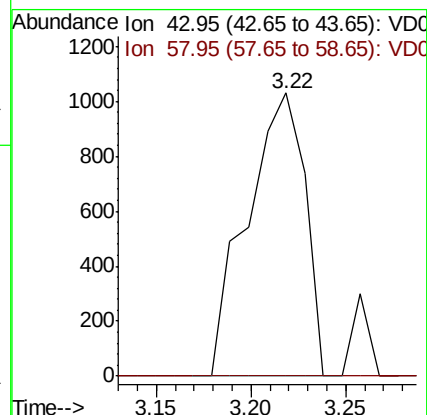
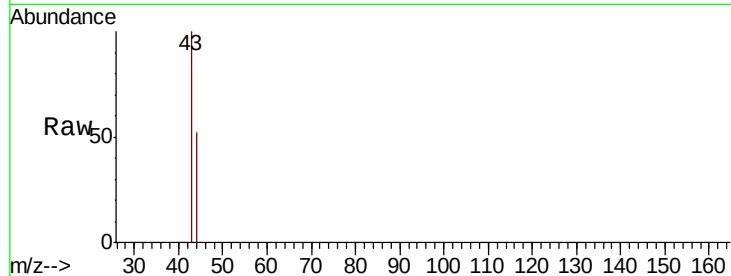
P026-SS002-1824-01

Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#20

Methylene Chloride

Concen: 2.299 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.02 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

Tgt Ion: 84 Resp: 12457

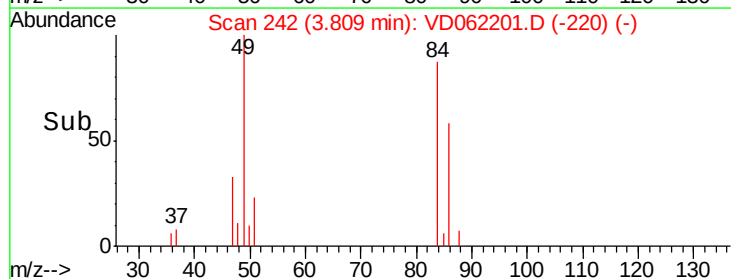
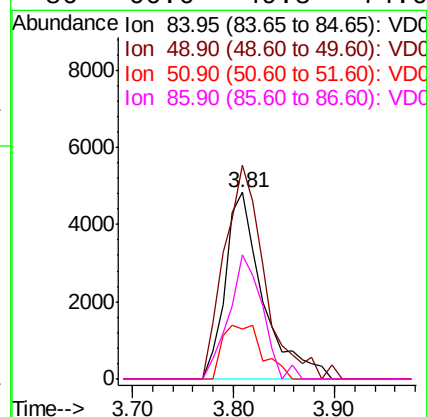
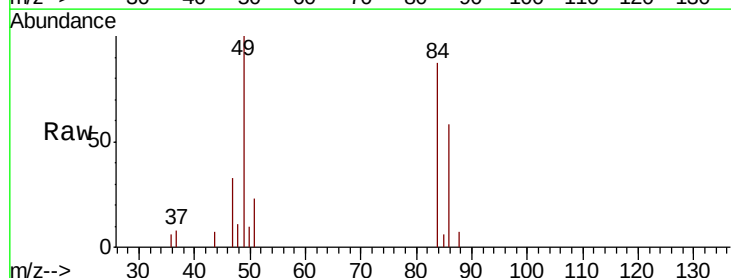
Ion Ratio Lower Upper

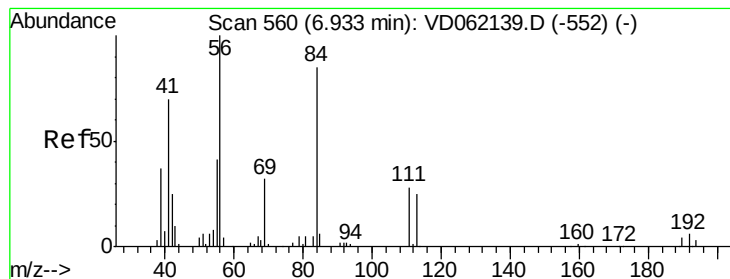
84 100

49 114.6 94.0 141.0

51 26.9 29.0 43.4#

86 66.6 49.8 74.6





#31

Cyclohexane

Concen: 2.176 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1824-01

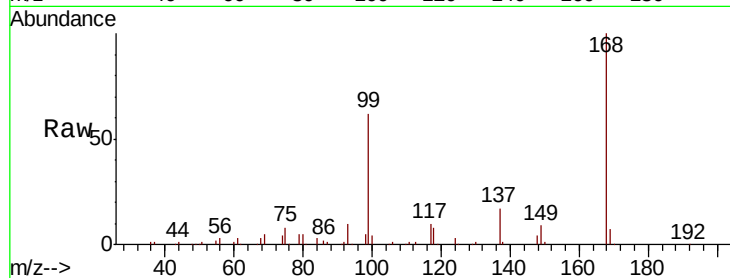
Tgt Ion: 56 Resp: 14127

Ion Ratio Lower Upper

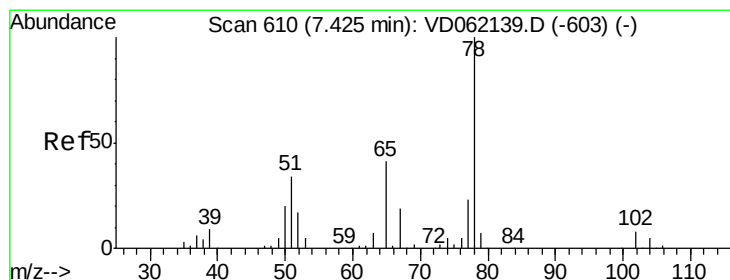
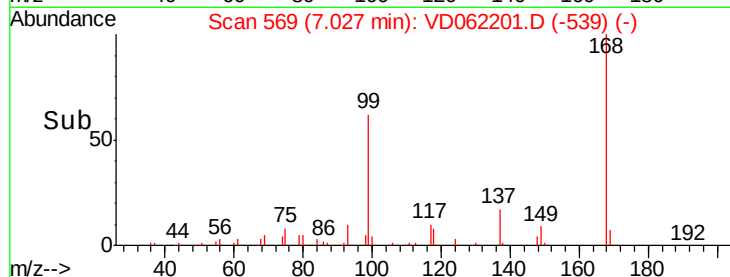
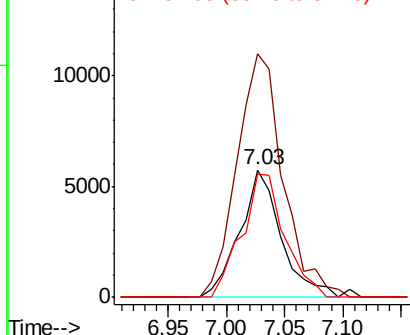
56 100

69 190.7 25.8 38.6#

84 96.6 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: 67.279 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.02 min

Lab File: VD062201.D

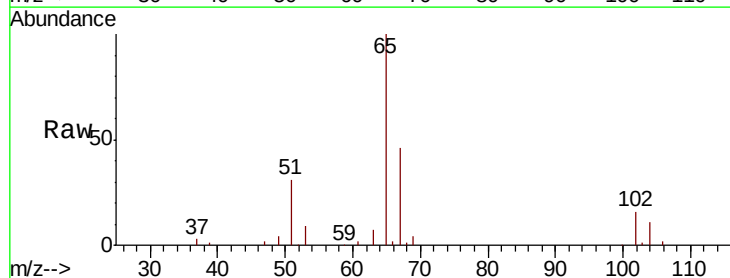
Acq: 9 May 2019 21:17

Tgt Ion: 65 Resp: 416360

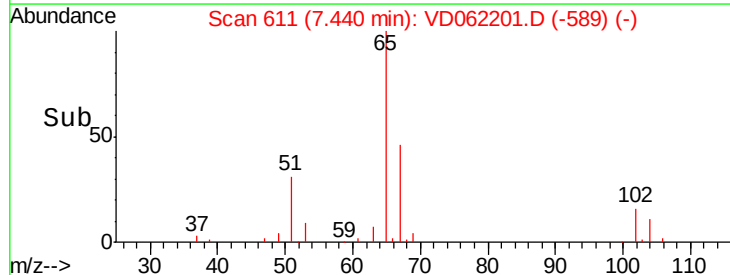
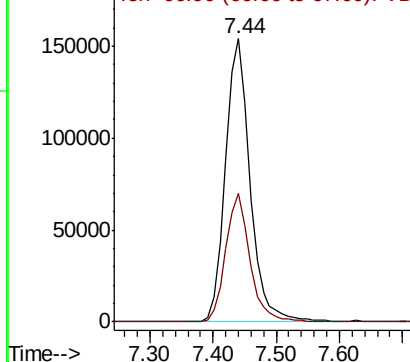
Ion Ratio Lower Upper

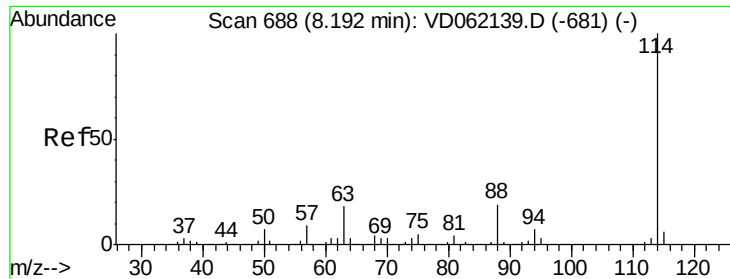
65 100

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

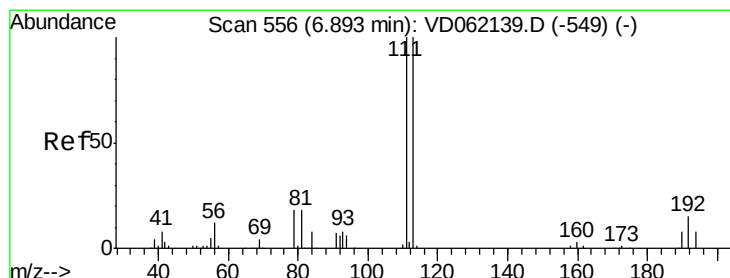
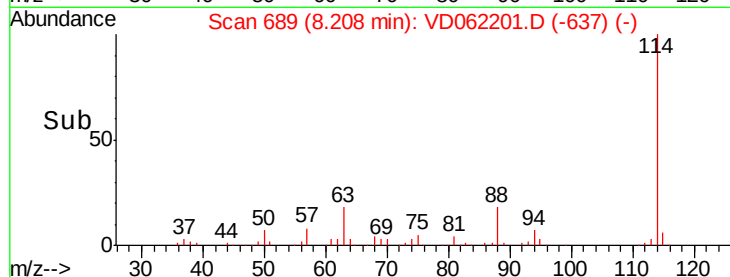
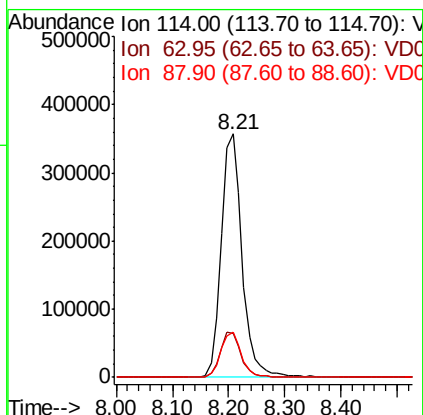
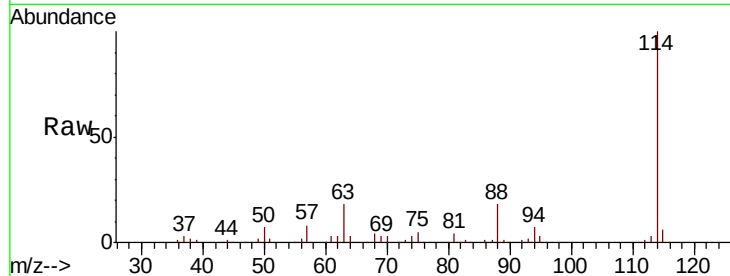




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD062201.D
 Acq: 9 May 2019 21:17

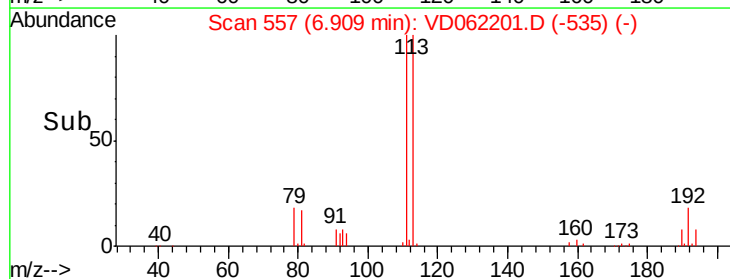
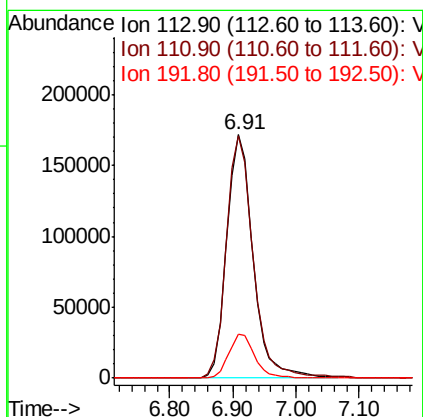
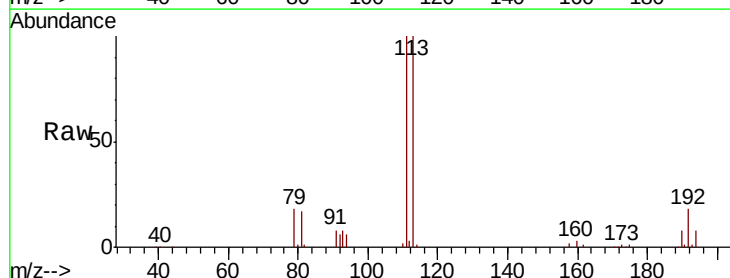
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1824-01

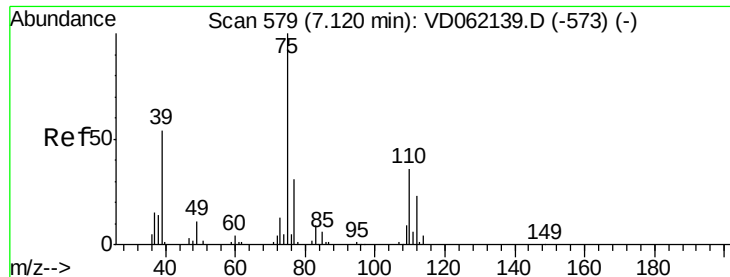
Tgt Ion:	114	Resp:	922577
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	32.4
88	18.4	0.0	33.6



#35
 Dibromofluoromethane
 Concen: 65.013 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: VD062201.D
 Acq: 9 May 2019 21:17

Tgt Ion:	113	Resp:	497654
Ion	Ratio	Lower	Upper
113	100		
111	99.7	78.5	117.7
192	18.0	13.0	19.4





#36

1,1-Dichloropropene

Concen: 6.709 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1824-01

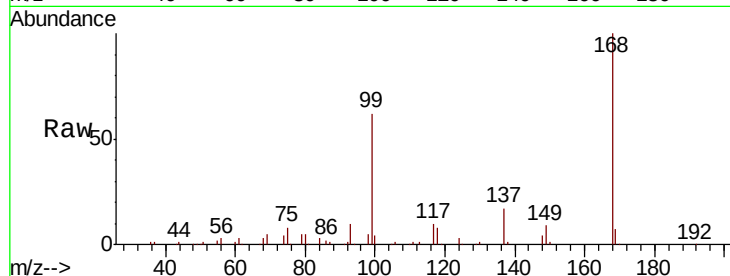
Tgt Ion: 75 Resp: 50746

Ion Ratio Lower Upper

75 100

110 5.8 19.1 57.1#

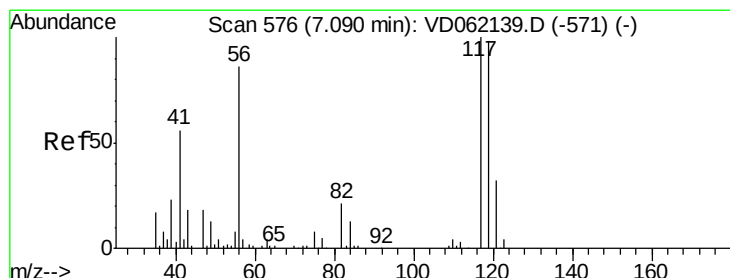
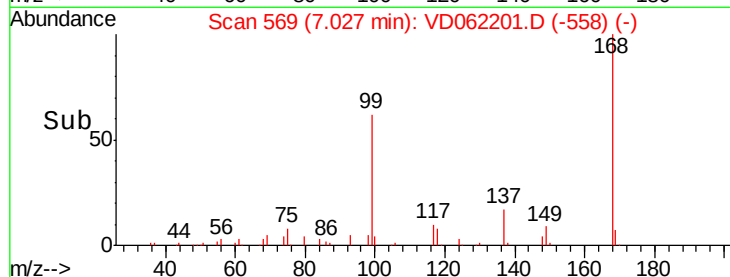
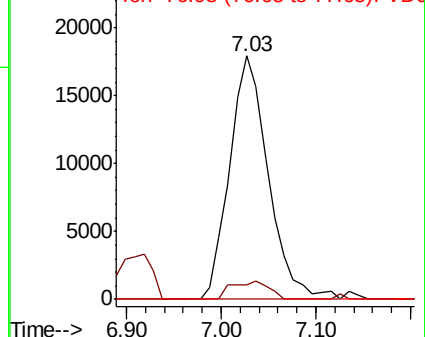
77 0.0 25.6 38.4#



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



#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD062201.D

Acq: 9 May 2019 21:17

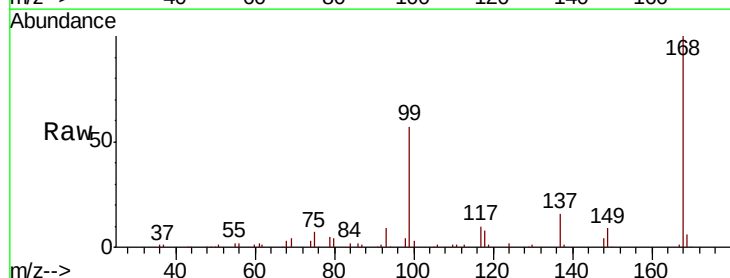
Tgt Ion: 117 Resp: 64947

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

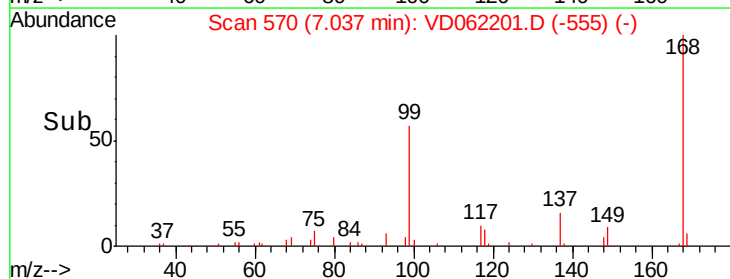
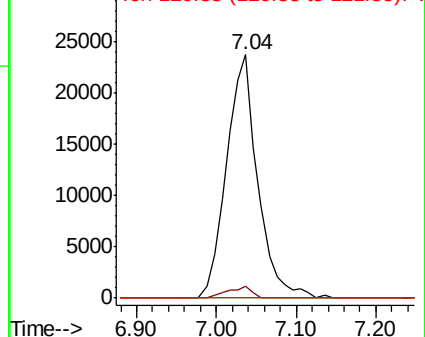
121 0.0 25.9 38.9#

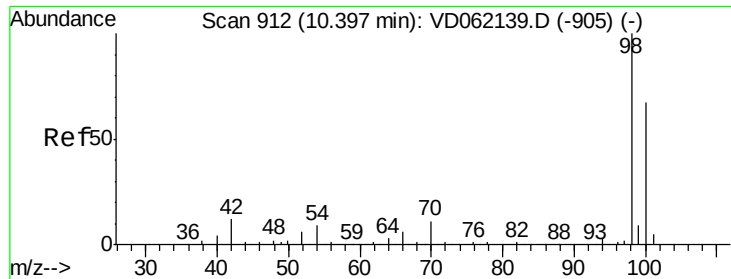


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

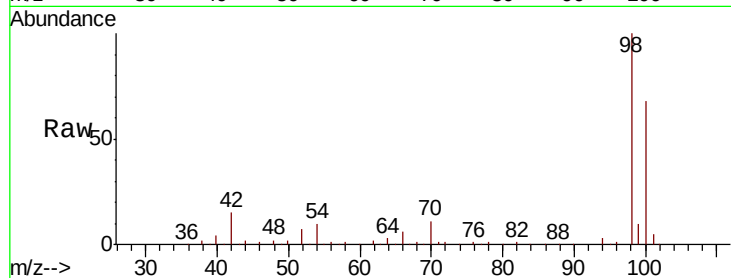




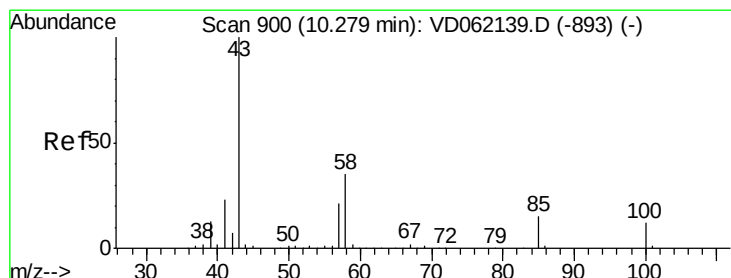
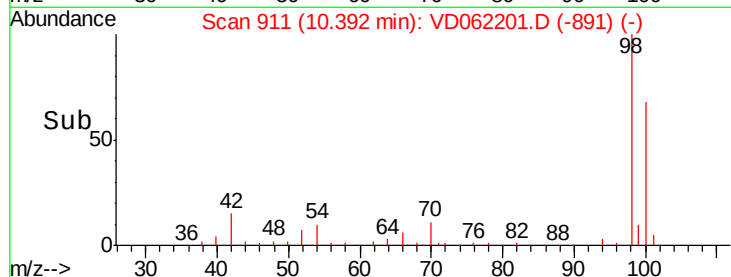
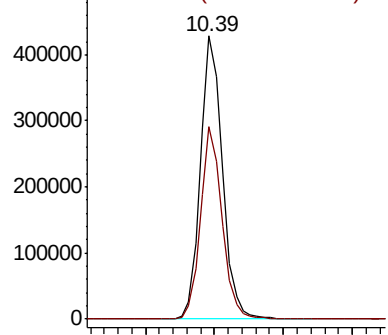
#50
Toluene-d8
Concen: 51.288 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062201.D
Acq: 9 May 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1824-01

Tgt Ion: 98 Resp: 946576
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8

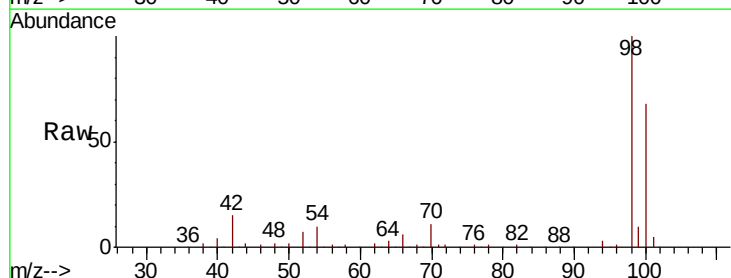


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

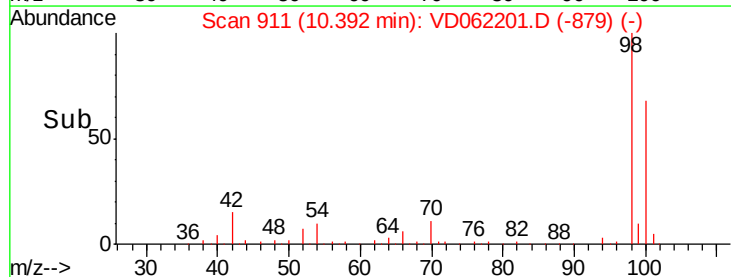
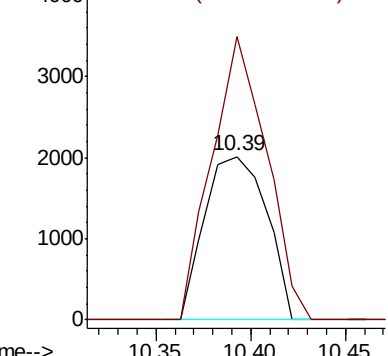


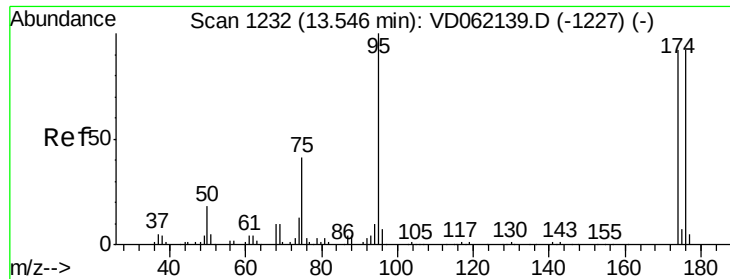
#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.11 min
Lab File: VD062201.D
Acq: 9 May 2019 21:17

Tgt Ion: 43 Resp: 4576
Ion Ratio Lower Upper
43 100
58 173.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-893) (-)
Ion 57.95 (57.65 to 58.65): VD062139.D (-893) (-)

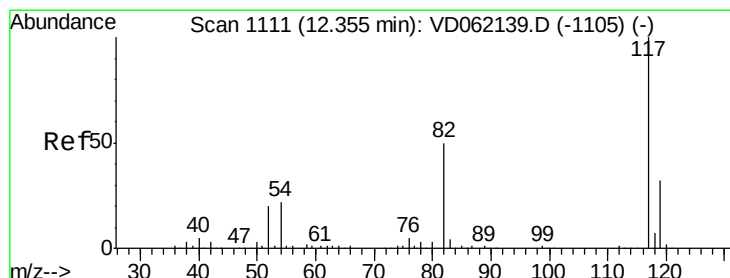
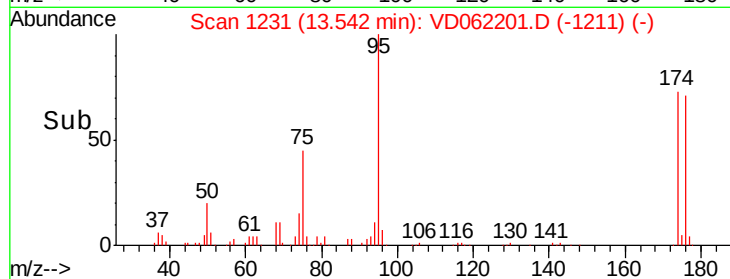
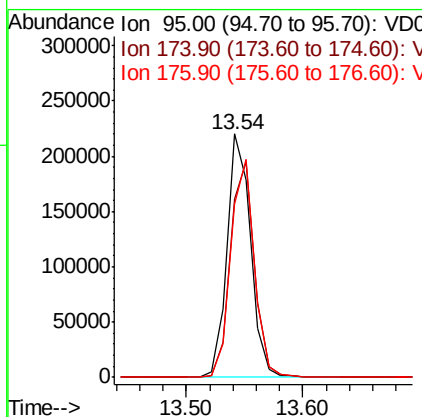
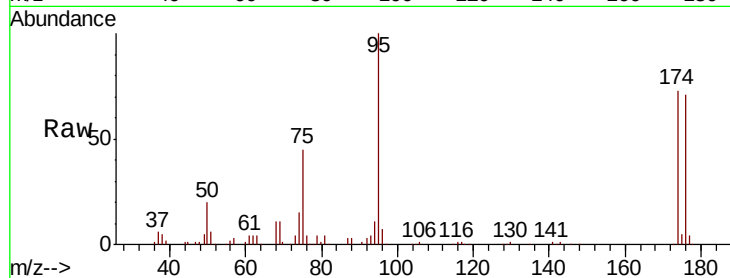




#62
4-Bromofluorobenzene
Concen: 41.525 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD062201.D
Acq: 9 May 2019 21:17

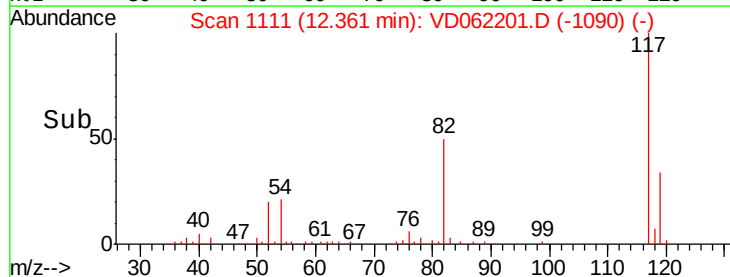
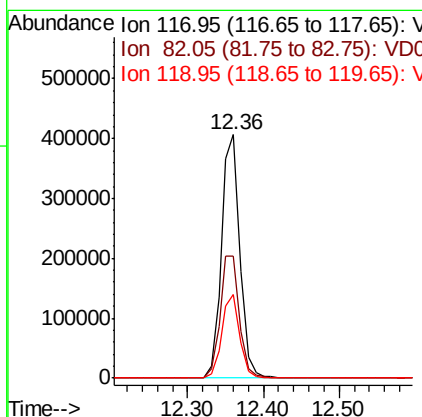
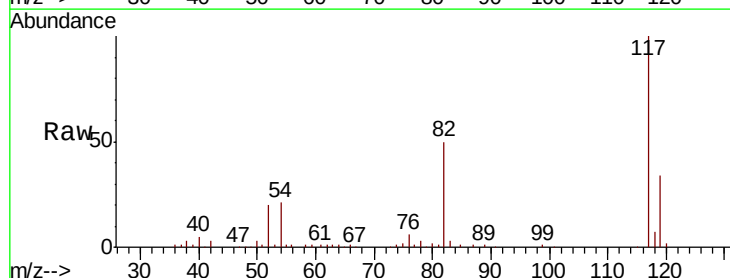
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1824-01

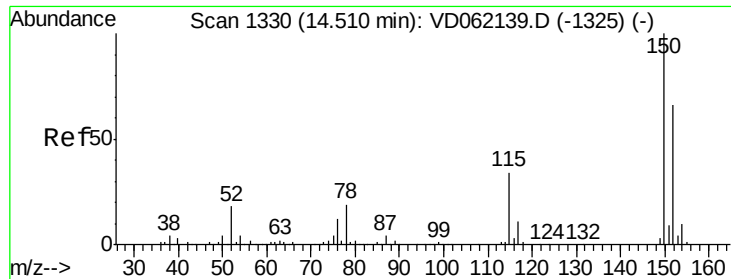
Tgt Ion: 95 Resp: 307758
Ion Ratio Lower Upper
95 100
174 73.1 0.0 181.8
176 71.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062201.D
Acq: 9 May 2019 21:17

Tgt Ion: 117 Resp: 686374
Ion Ratio Lower Upper
117 100
82 50.4 36.2 54.2
119 34.2 26.2 39.4

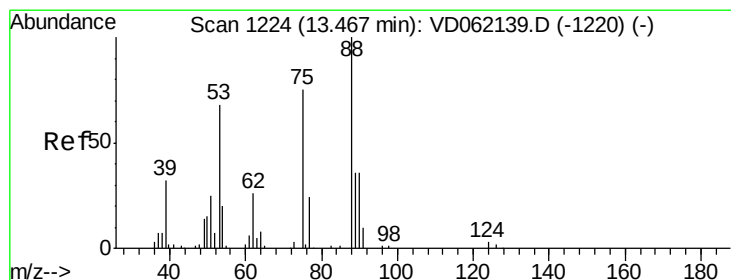
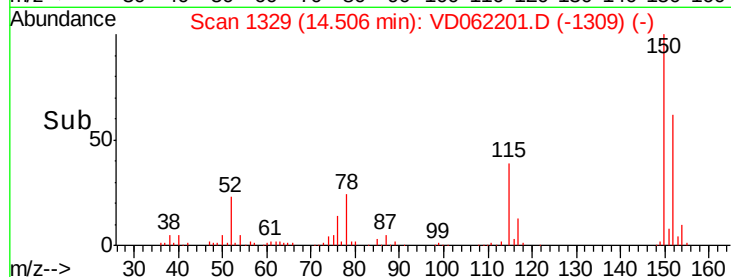
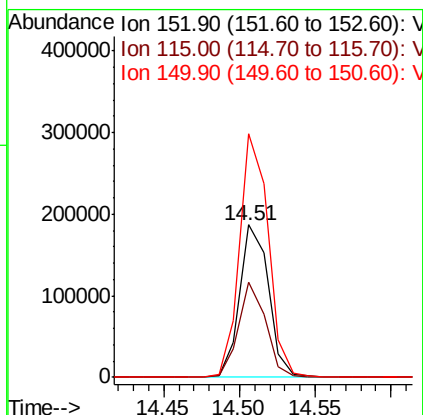
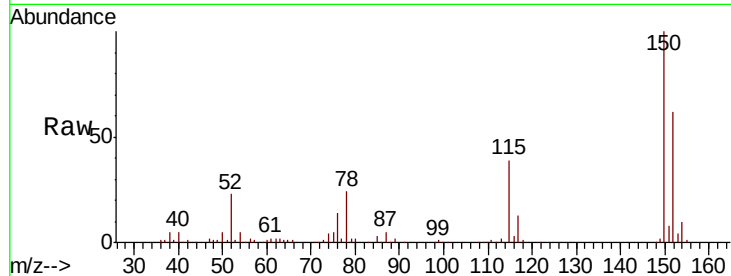




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD062201.D
 Acq: 9 May 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1824-01

Tgt Ion: 152 Resp: 246789
 Ion Ratio Lower Upper
 152 100
 115 62.5 30.9 92.7
 150 160.0 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.541 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD062201.D
 Acq: 9 May 2019 21:17

Tgt Ion: 75 Resp: 132095
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

