

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062315.D
 Acq On : 13 May 2019 20:02
 Operator : FY/SY
 Sample : K2733-15
 Misc : 5.33g/5mL/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0206-01RE

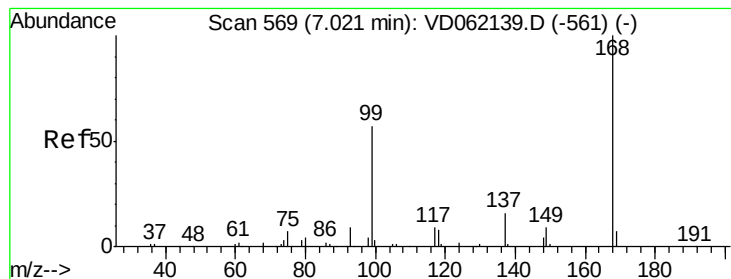
Quant Time: May 14 05:12:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	492004	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	663710	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	430831	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	176097	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	236993	51.83	ug/l	0.04
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	6.94	113	268258	48.71	ug/l	0.04
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.42	98	386212	29.09	ug/l	0.02
Spiked Amount			Recovery	=	58.18%	
62) 4-Bromofluorobenzene	13.56	95	165295	31.00	ug/l	0.01
Spiked Amount			Recovery	=	62.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1489	1.902	ug/l #	12
16) Acetone	3.23	43	5033	5.249	ug/l #	87
18) Methyl Acetate	3.66	43	416	Below Cal	#	53
31) Cyclohexane	7.06	56	11010	2.295	ug/l #	2
36) 1,1-Dichloropropene	7.06	75	41867	7.694	ug/l #	47
38) Carbon Tetrachloride	7.06	117	52786	7.008	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	2392	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	71761	34.290	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	73414	124.262	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

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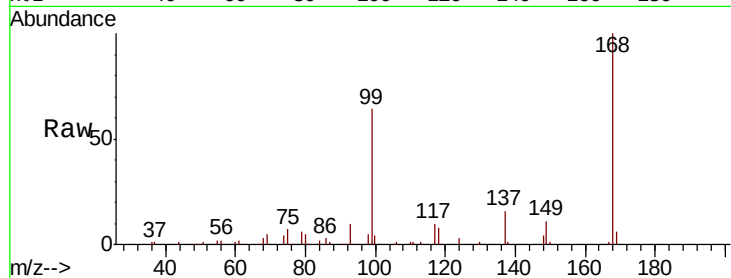
P021-SS003-0206-01RE

Tot Ion:168 Resp: 492004

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): V

7.06

200000

150000

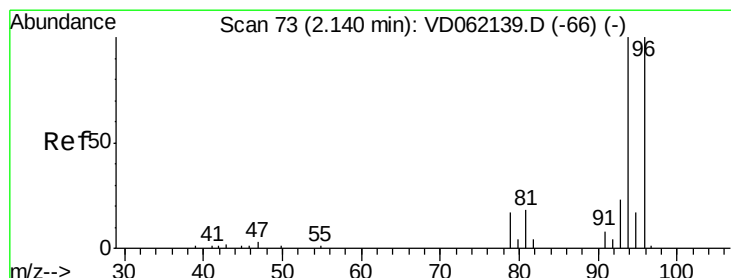
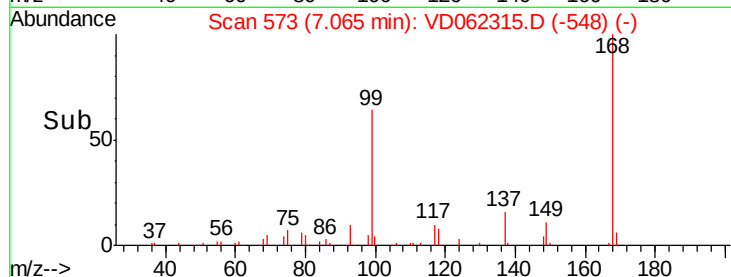
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.902 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD062315.D

Acq: 13 May 2019 20:02

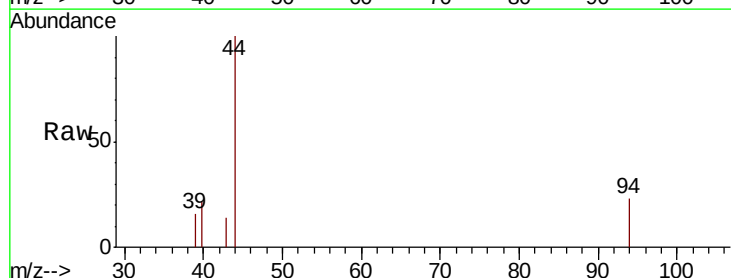
Tgt Ion: 94 Resp: 1489

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

800

600

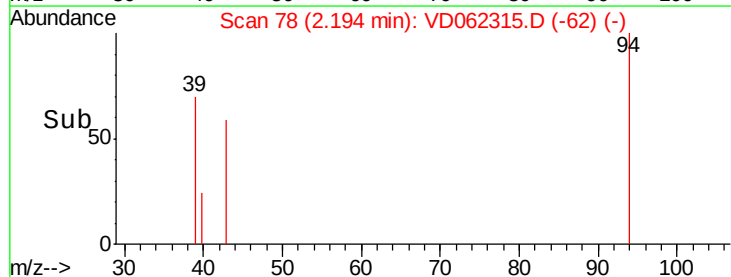
400

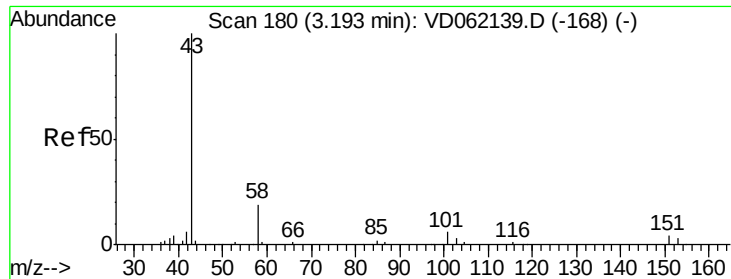
200

0

Time-->

2.15 2.20





#16

Acetone

Concen: 5.249 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062315.D

Acq: 13 May 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

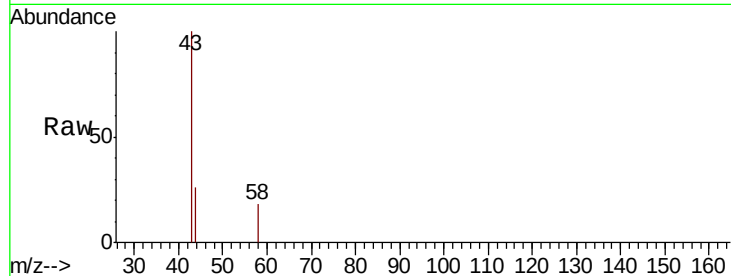
P021-SS003-0206-01RE

Tot Ion: 43 Resp: 5033

Ion Ratio Lower Upper

43 100

58 18.4 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

2500

2000

1500

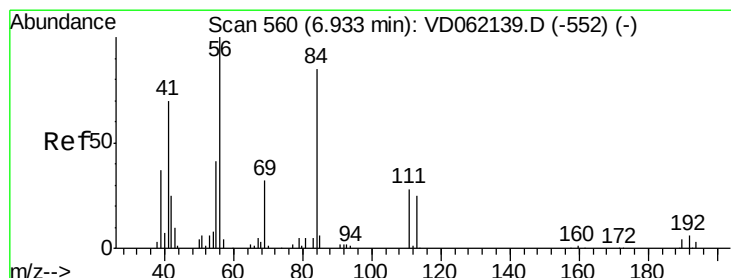
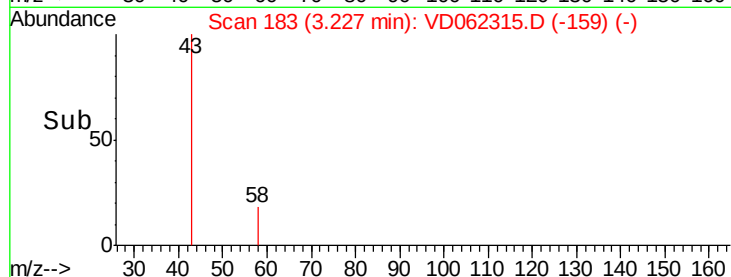
1000

500

0

Time-->

3.15 3.20 3.25 3.30



#31

Cyclohexane

Concen: 2.295 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062315.D

Acq: 13 May 2019 20:02

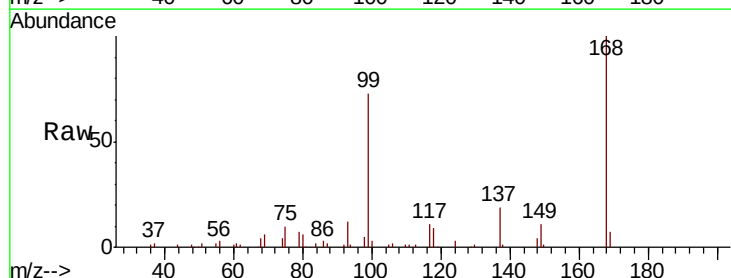
Tgt Ion: 56 Resp: 11010

Ion Ratio Lower Upper

56 100

69 194.9 25.8 38.6#

84 62.8 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

12000

10000

8000

6000

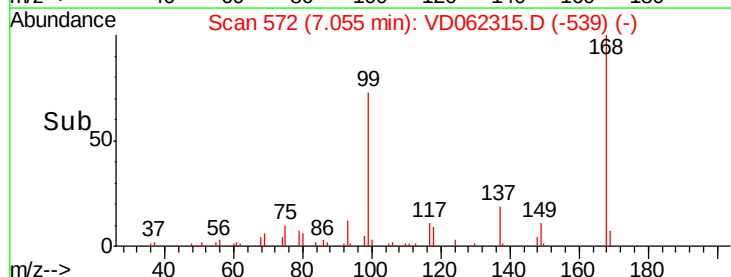
4000

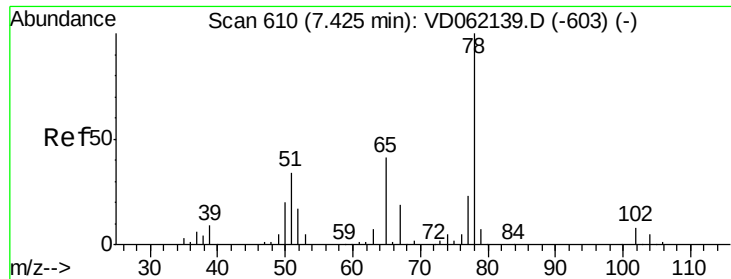
2000

0

Time-->

6.95 7.00 7.05 7.10 7.15

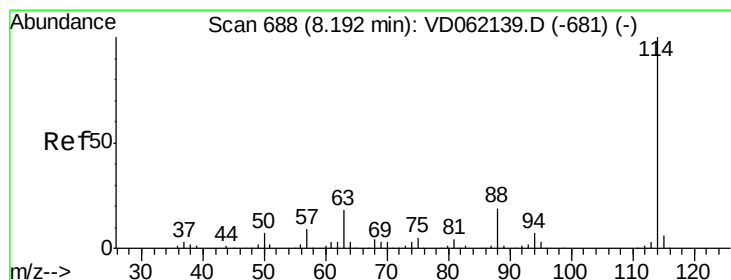
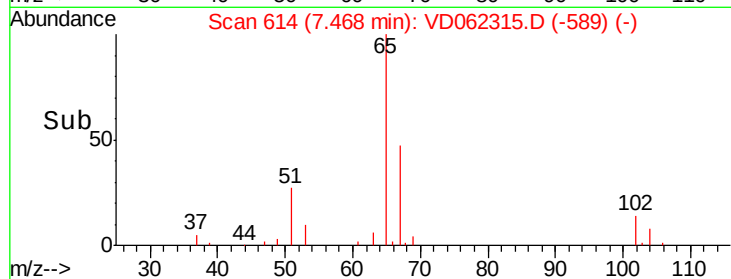
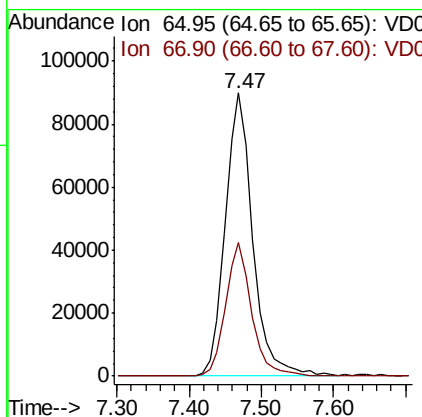
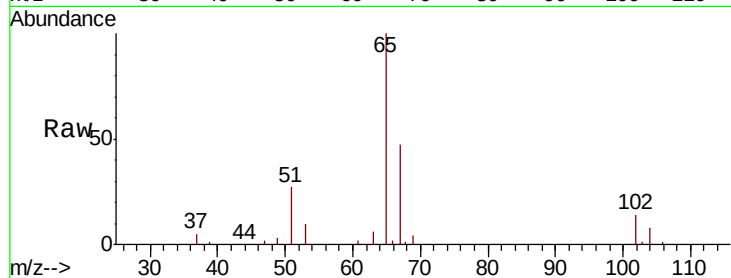




#33
 1,2-Dichloroethane-d4
 Concen: 51.833 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

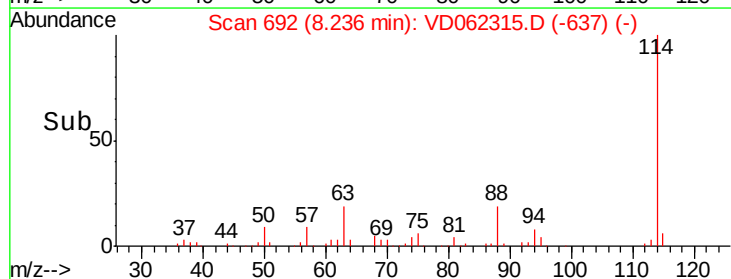
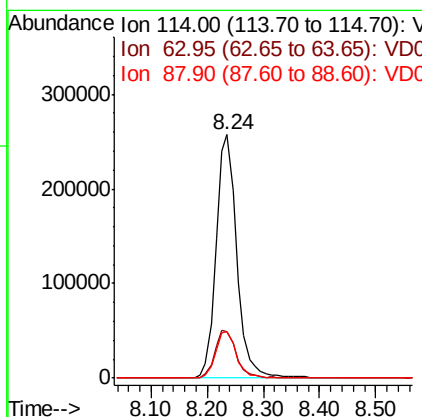
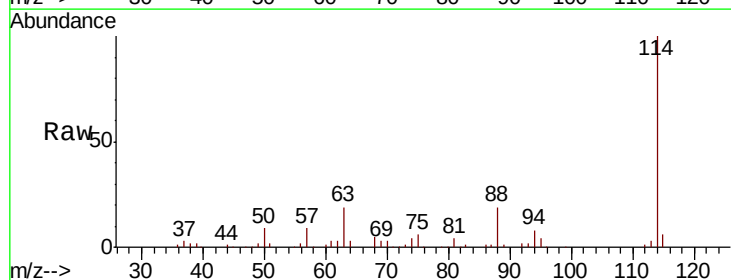
Instrument :
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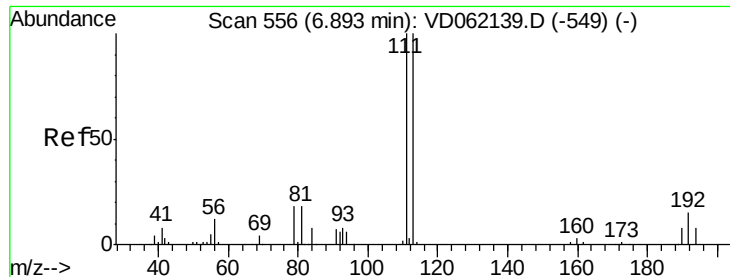
Tot Ion: 65 Resp: 236993
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

Tgt Ion: 114 Resp: 663710
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 32.4
 88 18.9 0.0 33.6

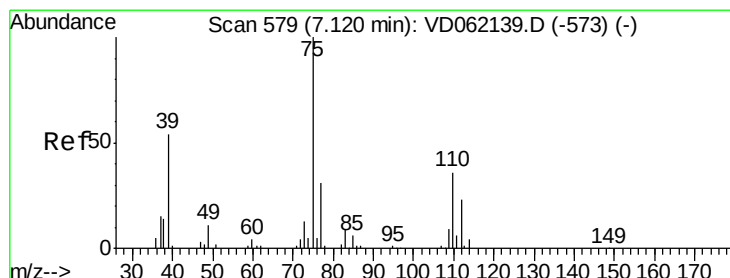
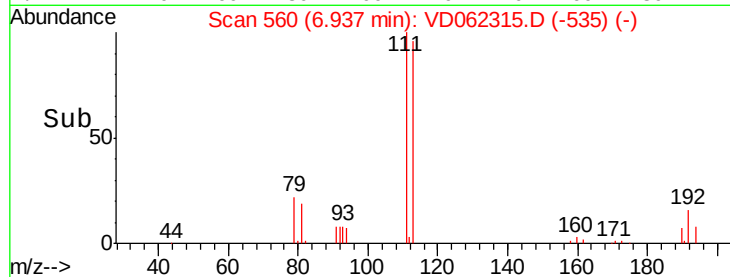
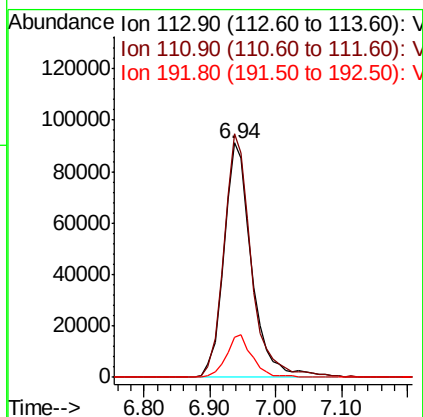
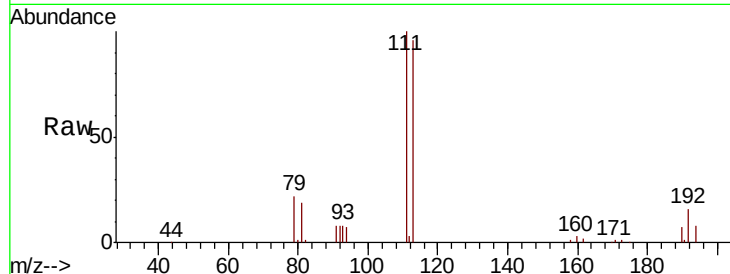




#35
 Dibromofluoromethane
 Concen: 48.713 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

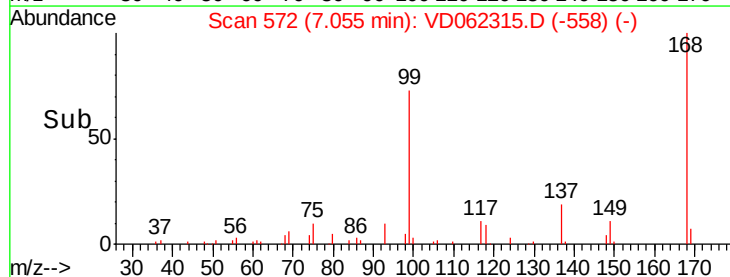
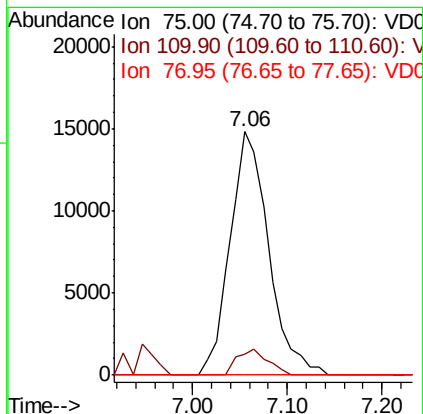
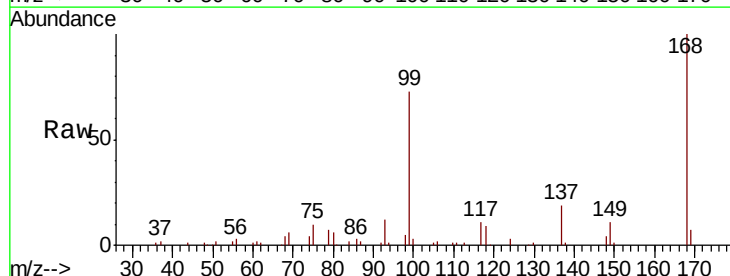
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0206-01RE

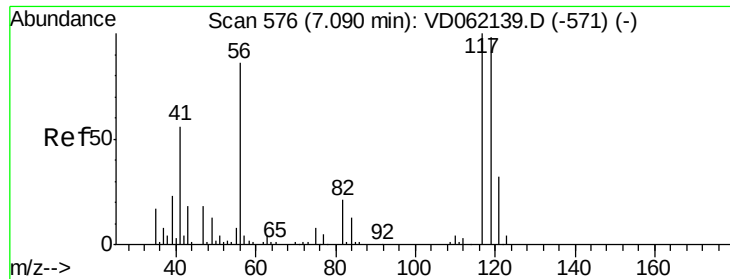
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	78.5	117.7
192	17.0	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 7.694 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.1#
77	0.0	25.6	38.4#

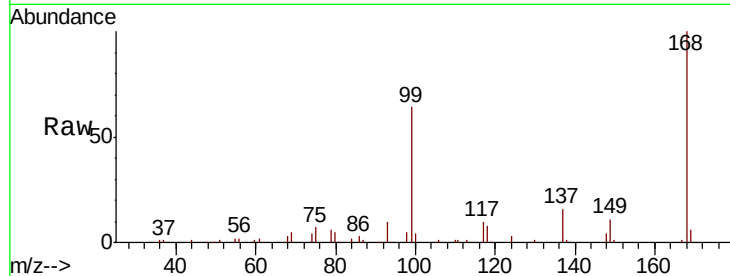




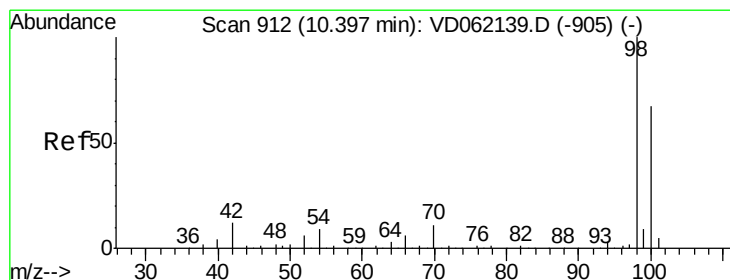
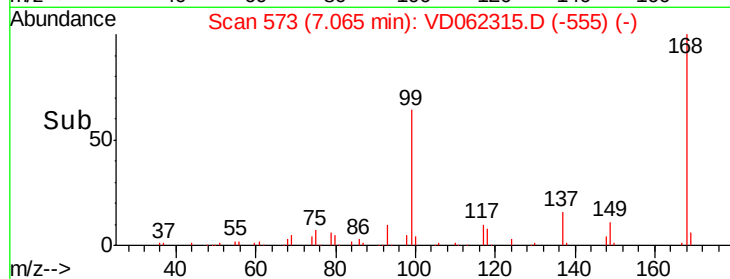
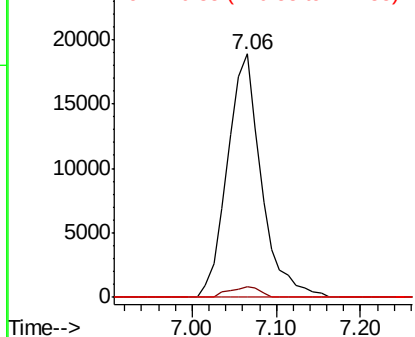
#38
Carbon Tetrachloride
Concen: 7.008 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062315.D
Acq: 13 May 2019 20:02

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0206-01RE

Tot Ion:117 Resp: 52786
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 25.9 38.9#

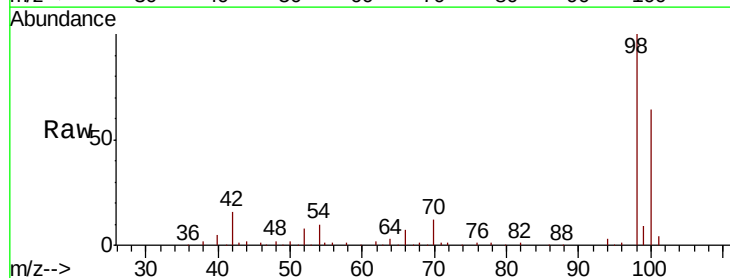


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

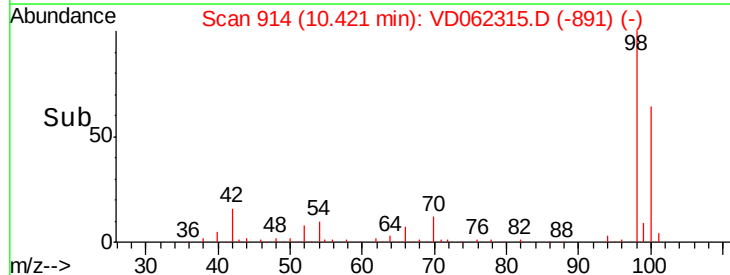
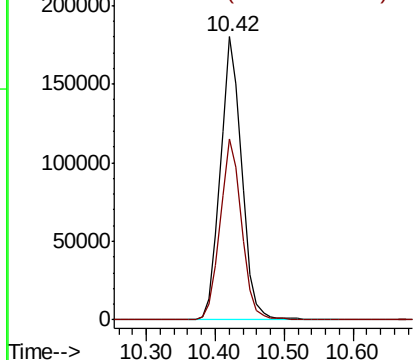


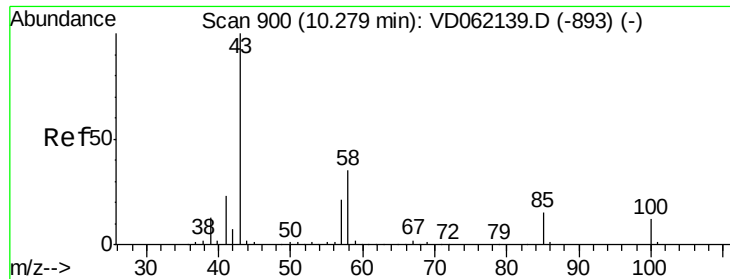
#50
Toluene-d8
Concen: 29.088 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062315.D
Acq: 13 May 2019 20:02

Tgt Ion: 98 Resp: 386212
Ion Ratio Lower Upper
98 100
100 63.9 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.137 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062315.D

Acq: 13 May 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

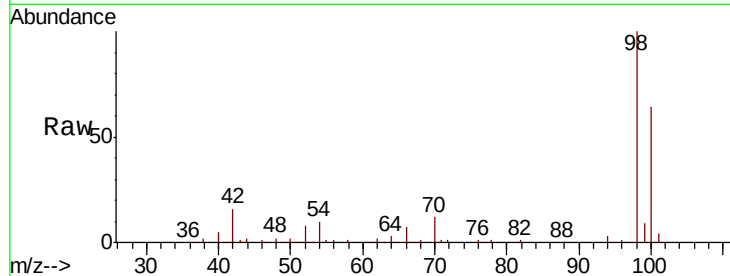
P021-SS003-0206-01RE

Tot Ion: 43 Resp: 2392

Ion Ratio Lower Upper

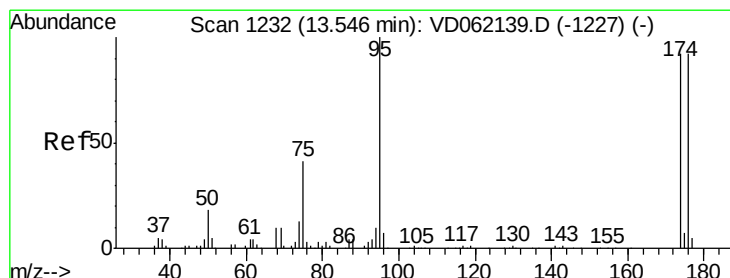
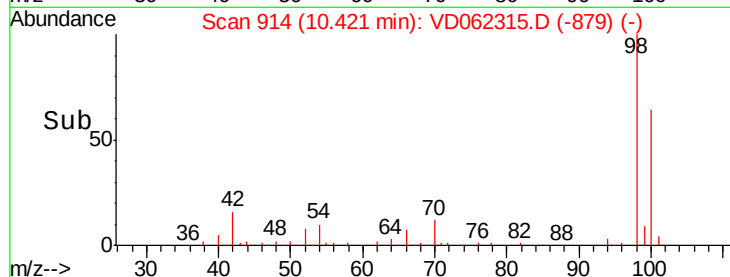
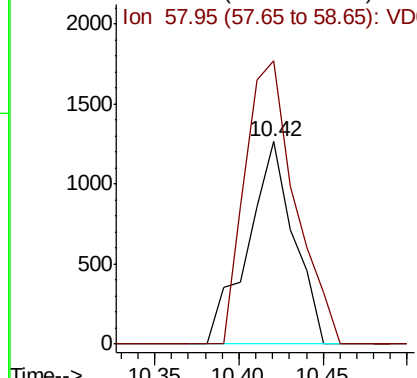
43 100

58 139.8 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: 31.002 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062315.D

Acq: 13 May 2019 20:02

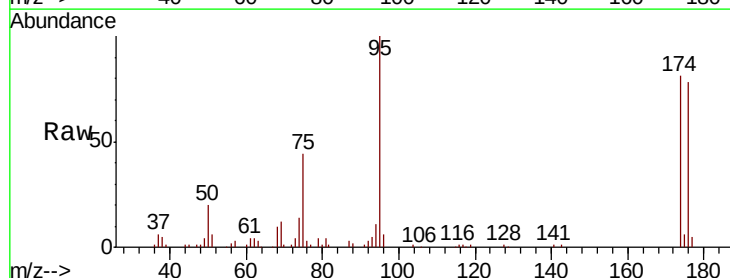
Tgt Ion: 95 Resp: 165295

Ion Ratio Lower Upper

95 100

174 80.6 0.0 181.8

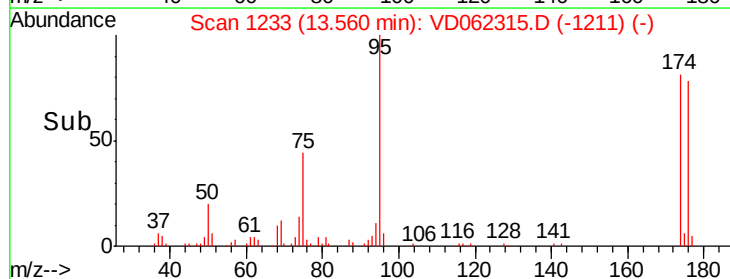
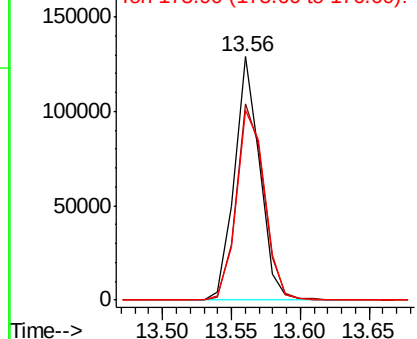
176 78.2 0.0 174.4

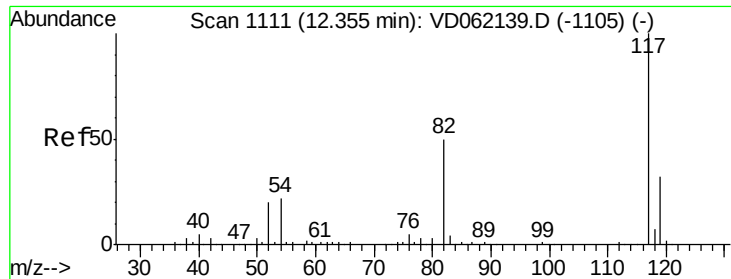


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

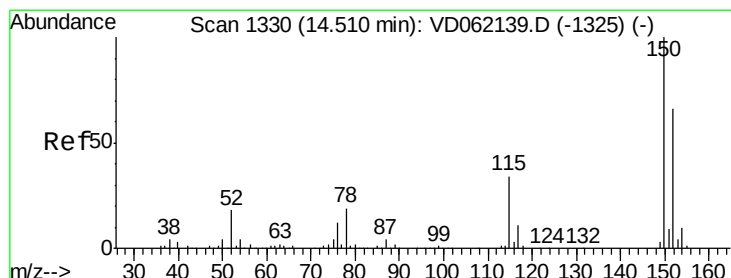
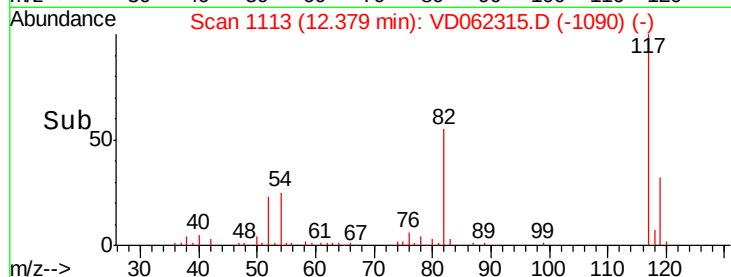
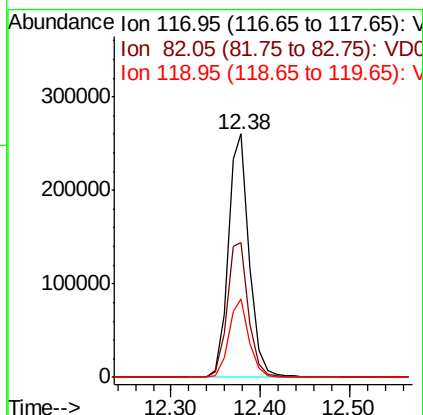
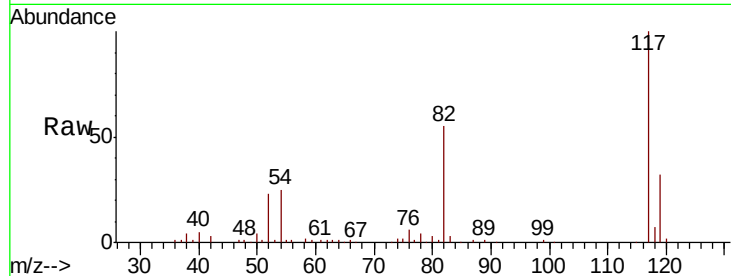




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062315.D
Acq: 13 May 2019 20:02

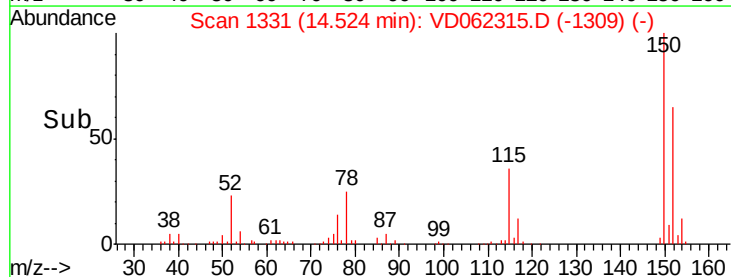
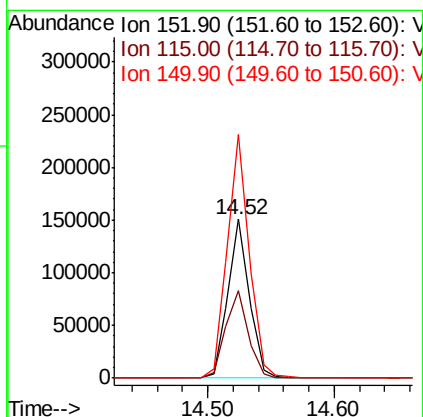
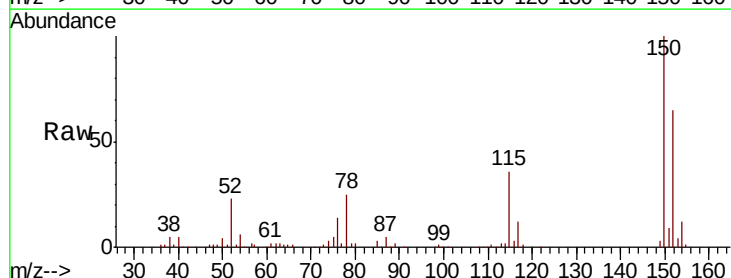
Instrument :
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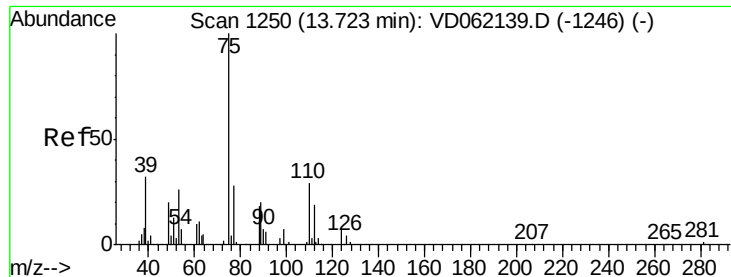
Tot Ion:117 Resp: 430831
Ion Ratio Lower Upper
117 100
82 55.2 36.2 54.2#
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062315.D
Acq: 13 May 2019 20:02

Tgt Ion:152 Resp: 176097
Ion Ratio Lower Upper
152 100
115 55.4 30.9 92.7
150 153.5 0.0 314.8

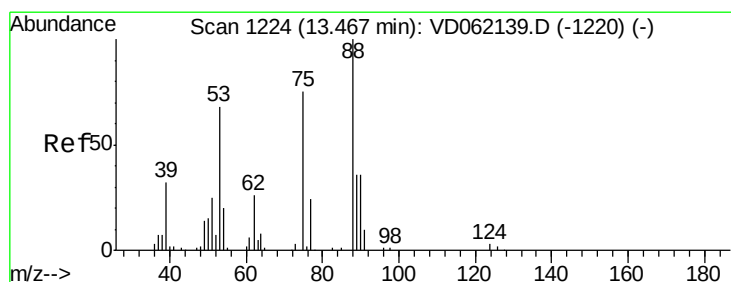
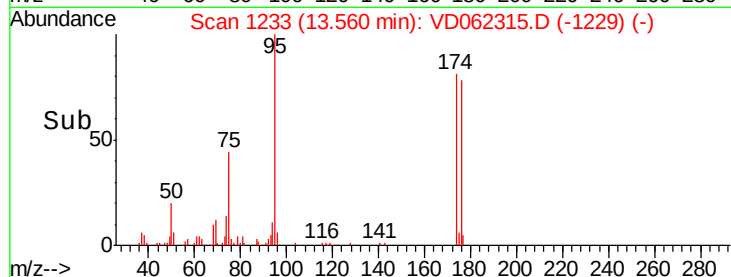
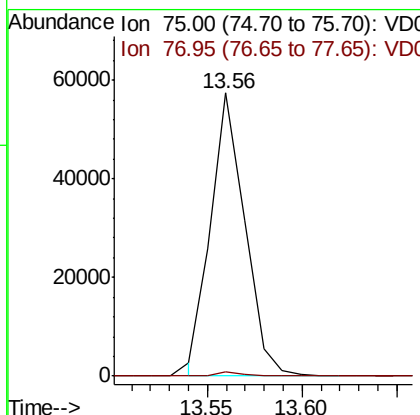
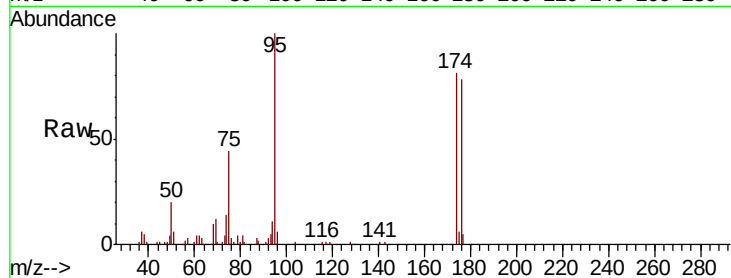




#76
 1,2,3-Trichloropropane
 Concen: 34.290 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0206-01RE

Tot Ion: 75 Resp: 71761
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.262 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062315.D
 Acq: 13 May 2019 20:02

Tgt Ion: 75 Resp: 73414
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

