

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065313.D
 Acq On : 25 Feb 2020 17:26
 Operator : VA/SY
 Sample : L1681-02RE
 Misc : 7.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

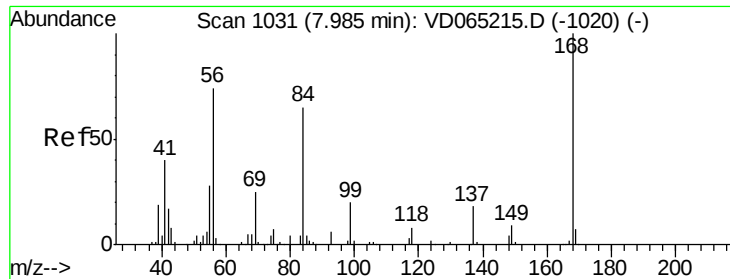
Quant Time: Feb 25 23:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	833146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	758265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	268082	62.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.34%	
35) Dibromofluoromethane	7.92	113	271721	53.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.98%	
50) Toluene-d8	10.34	98	1007748	51.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	330618	53.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.66	56	60	Below Cal	#	1
16) Acetone	4.17	43	3684	3.495	ug/l #	74
20) Methylene Chloride	4.96	84	18750	Below Cal		90
31) Cyclohexane	7.98	56	9287	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34156	4.213	ug/l #	50
38) Carbon Tetrachloride	7.99	117	45667	5.534	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	3778	1.207	ug/l #	1
68) m/p-Xylenes	11.86	106	21513	2.110	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	163624	54.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163624	117.162	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

Instrument :

MSVOA_D

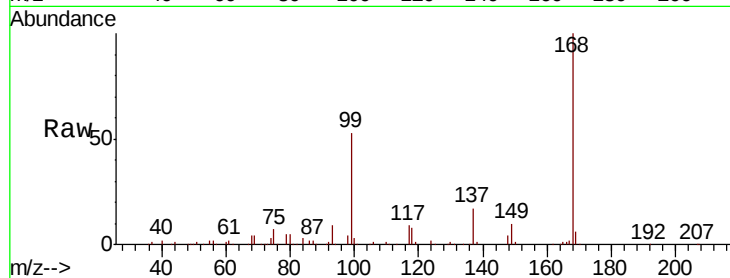
ClientSampled :

Tot Ion:168 Resp: 479299

Ion Ratio Lower Upper

168 100

99 52.7 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

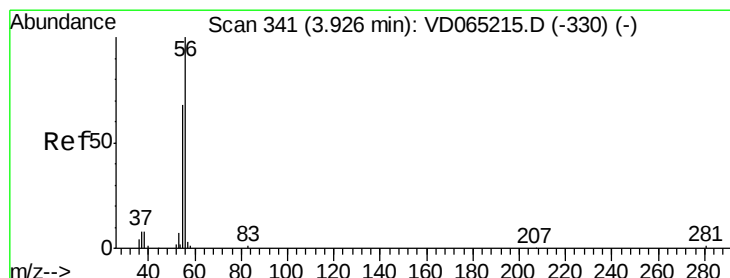
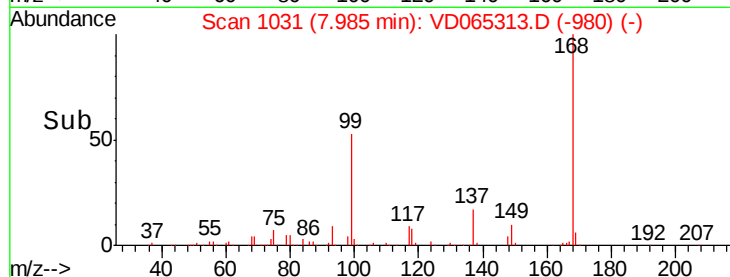
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.66 min Scan# 296

Delta R.T. -0.26 min

Lab File: VD065313.D

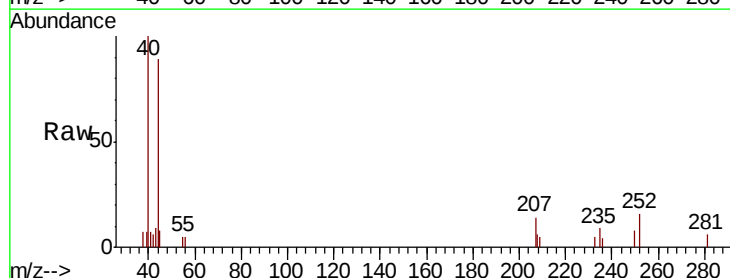
Acq: 25 Feb 2020 17:26

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 216.7 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.66

200

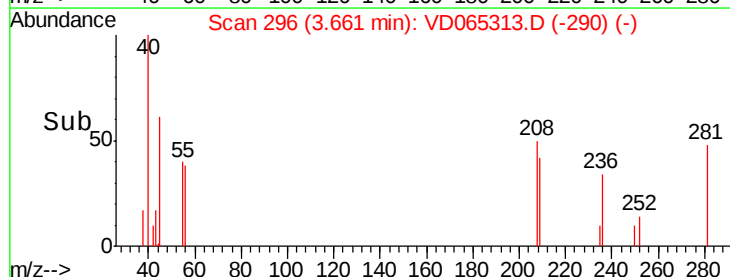
150

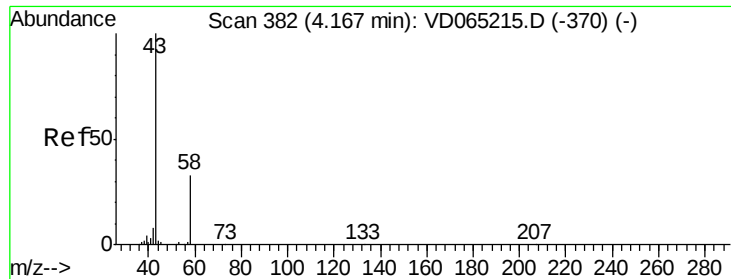
100

50

0

Time-->





#16

Acetone

Concen: 3.495 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

Instrument :

MSVOA_D

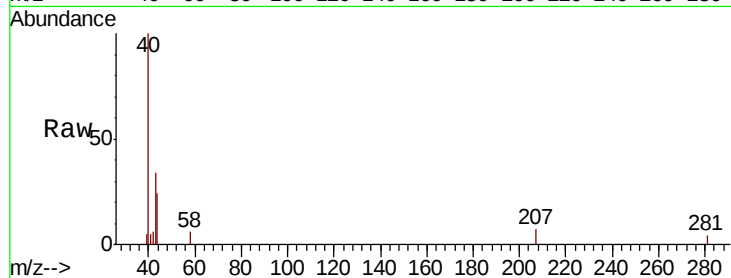
ClientSampleId :

Tot Ion: 43 Resp: 3684

Ion Ratio Lower Upper

43 100

58 18.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

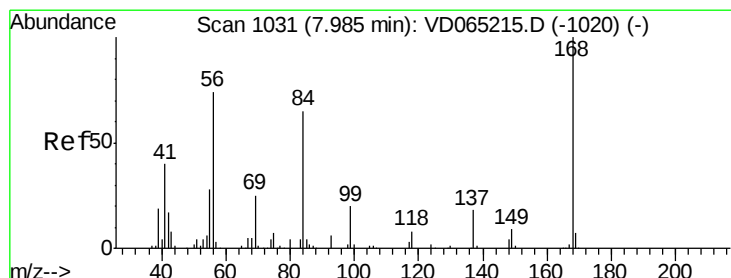
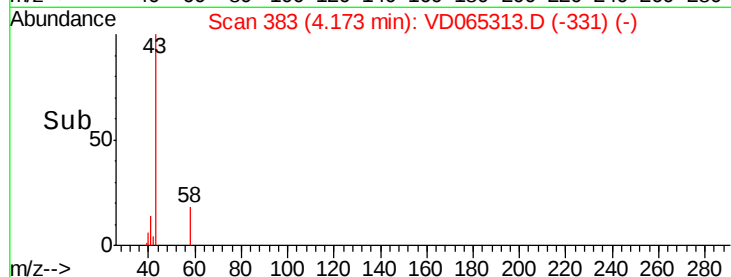
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

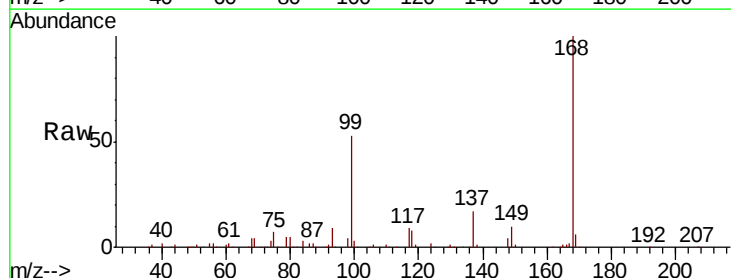
Tgt Ion: 56 Resp: 9287

Ion Ratio Lower Upper

56 100

69 171.2 27.4 41.0#

84 150.6 71.1 106.7#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

10000

8000

6000

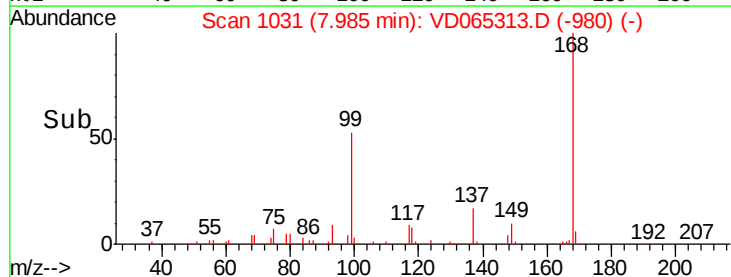
4000

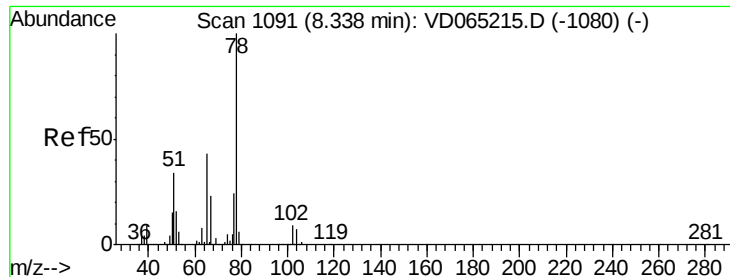
2000

0

7.90 7.95 8.00 8.05

Time-->

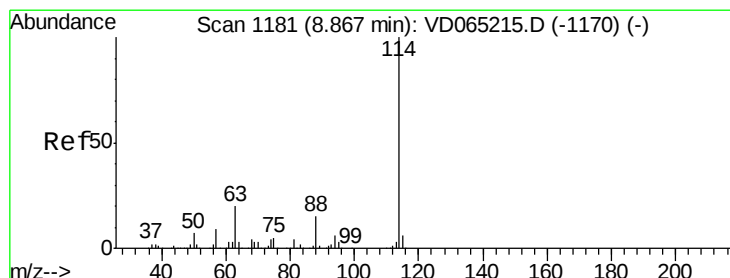
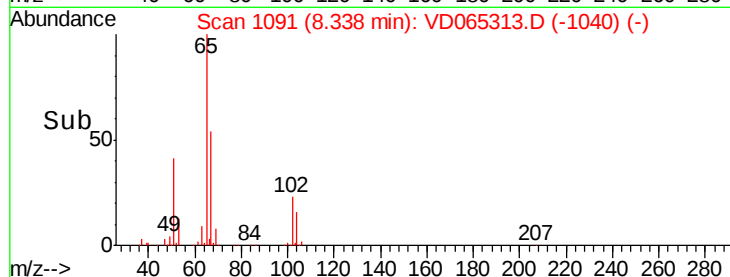
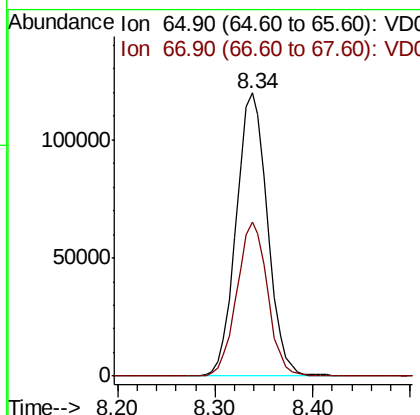
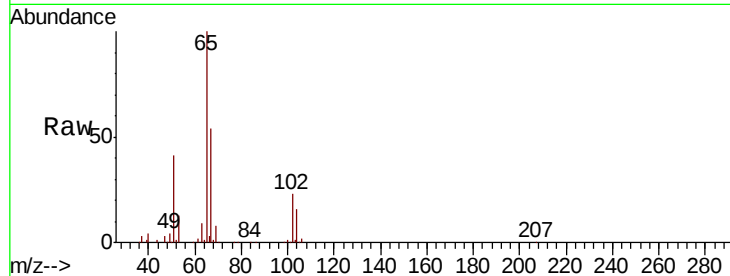




#33
 1,2-Dichloroethane-d4
 Concen: 62.174 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065313.D
 Acq: 25 Feb 2020 17:26

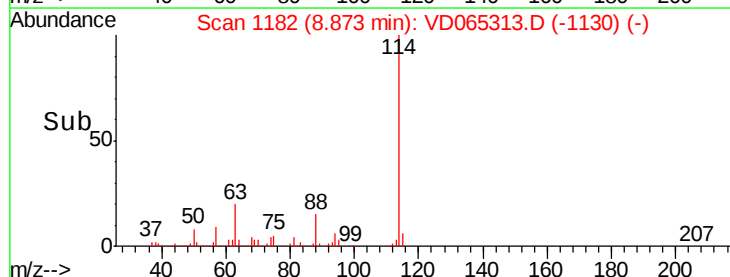
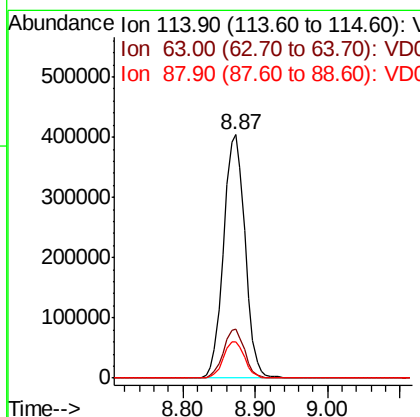
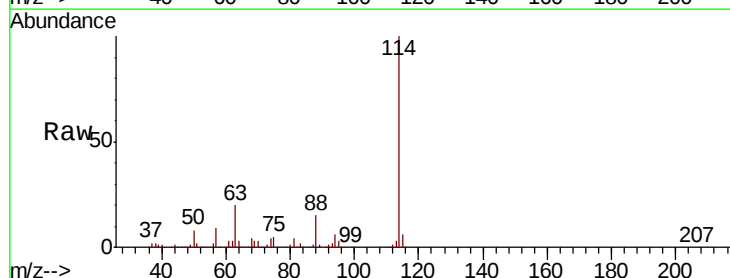
Instrument :
 MSVOA_D
 ClientSampleId :

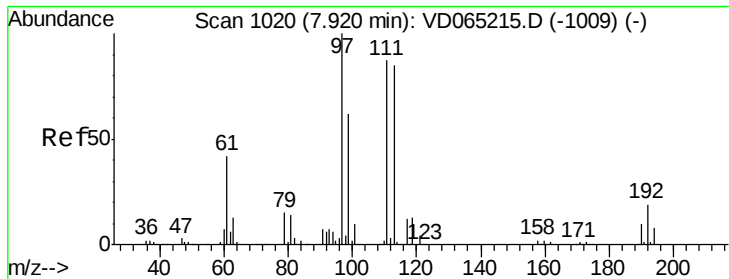
Tot Ion: 65 Resp: 268082
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065313.D
 Acq: 25 Feb 2020 17:26

Tgt Ion: 114 Resp: 833146
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.0 0.0 30.4

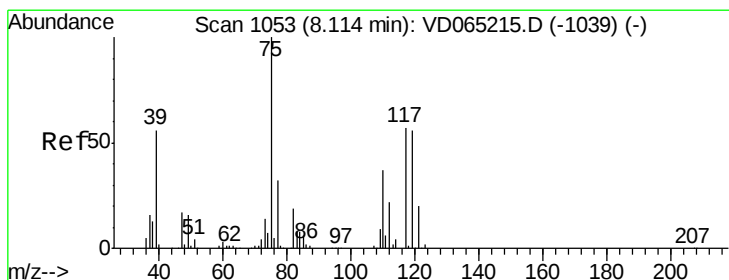
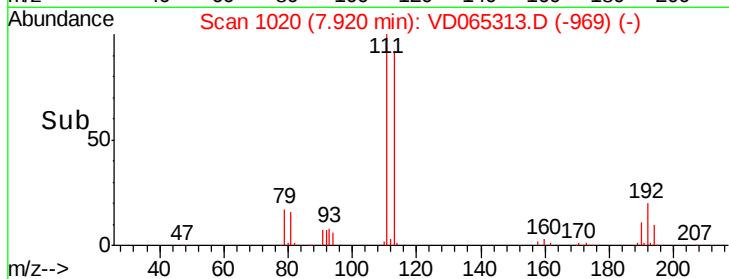
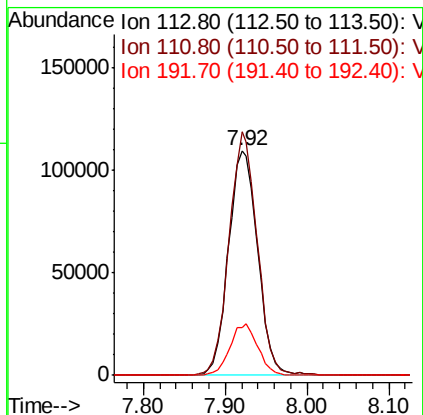
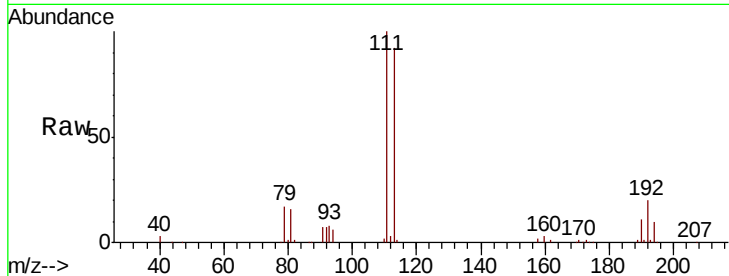




#35
 Dibromofluoromethane
 Concen: 53.488 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065313.D
 Acq: 25 Feb 2020 17:26

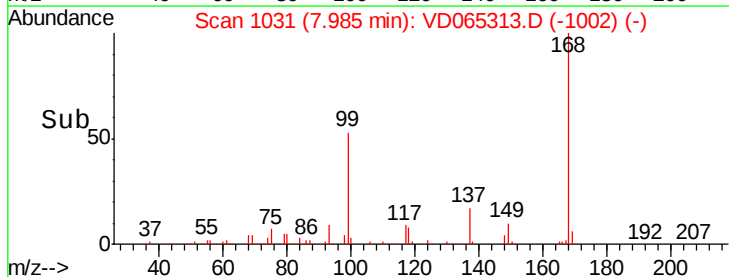
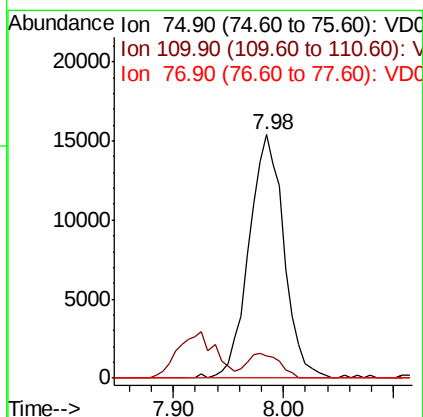
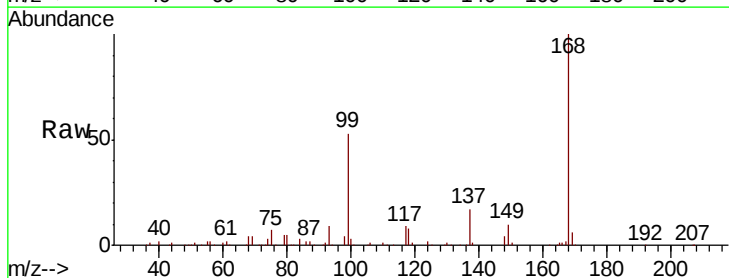
Instrument :
 MSVOA_D
 ClientSampleId :

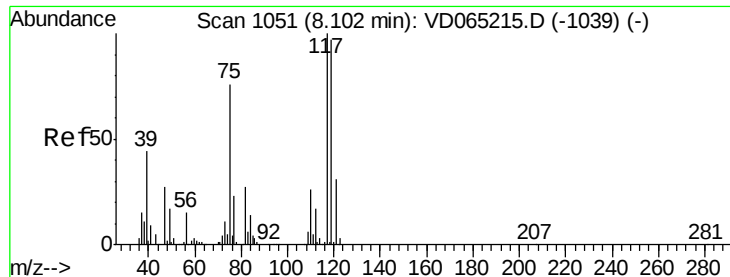
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.9	124.3
192	21.8	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.213 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065313.D
 Acq: 25 Feb 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.7#
77	0.0	25.1	37.7#

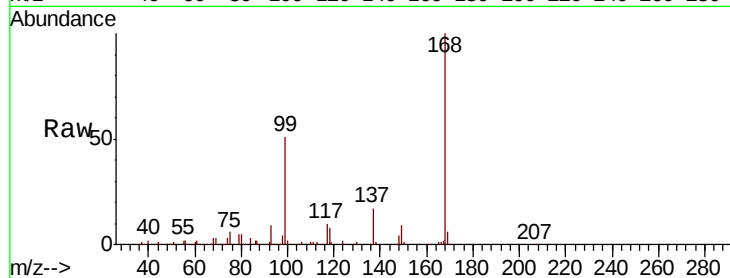




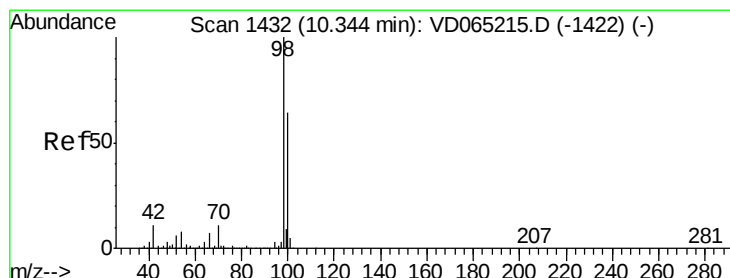
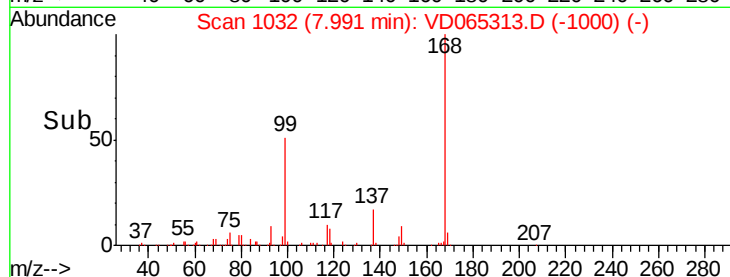
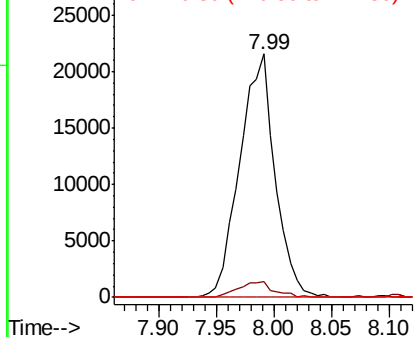
#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD065313.D
Acq: 25 Feb 2020 17:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 45667
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 24.8 37.2#

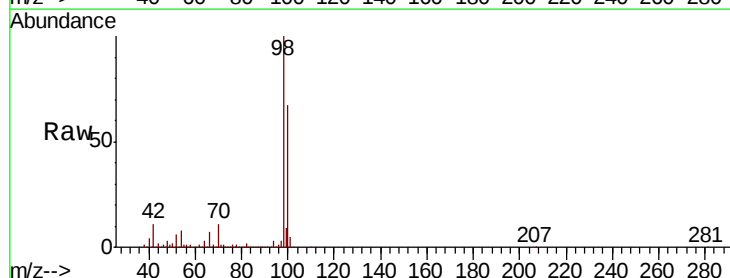


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

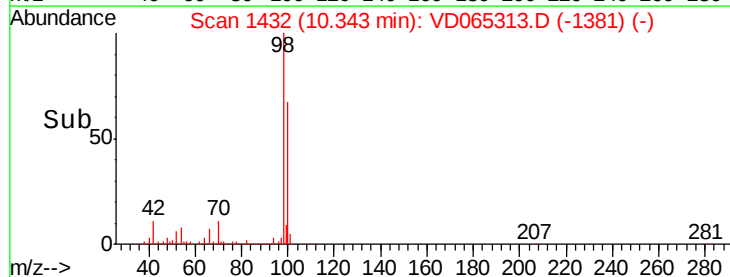
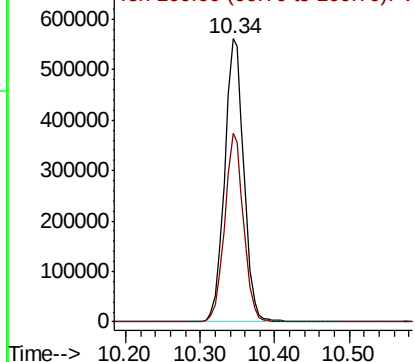


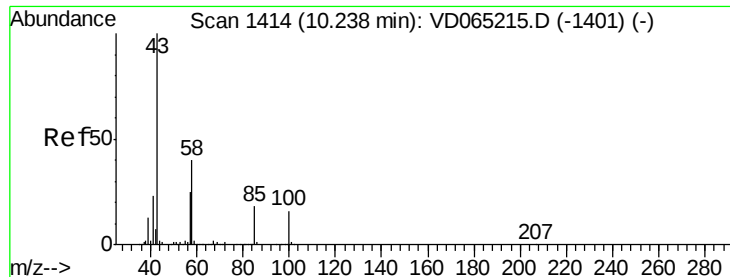
#50
Toluene-d8
Concen: 51.891 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065313.D
Acq: 25 Feb 2020 17:26

Tgt Ion: 98 Resp: 1007748
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.207 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

Instrument :

MSVOA_D

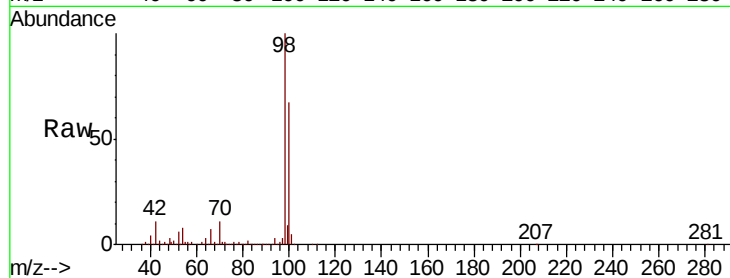
ClientSampleId :

Tot Ion: 43 Resp: 3778

Ion Ratio Lower Upper

43 100

58 208.1 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

5000

4000

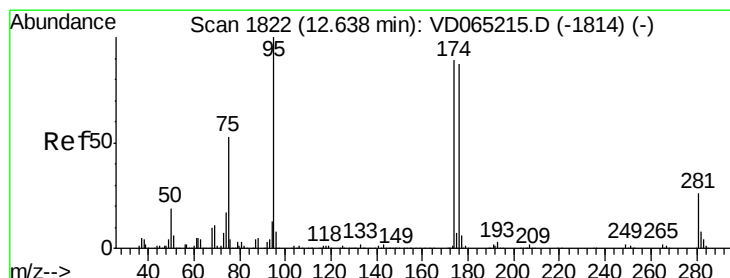
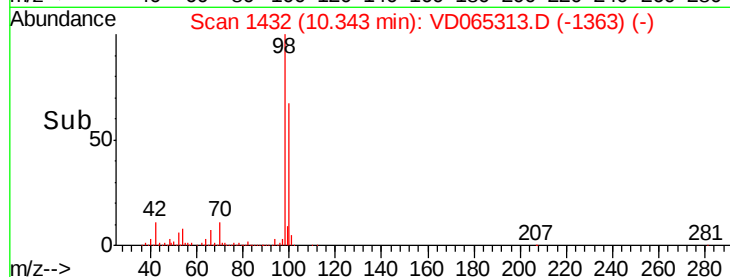
3000

2000

1000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.739 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

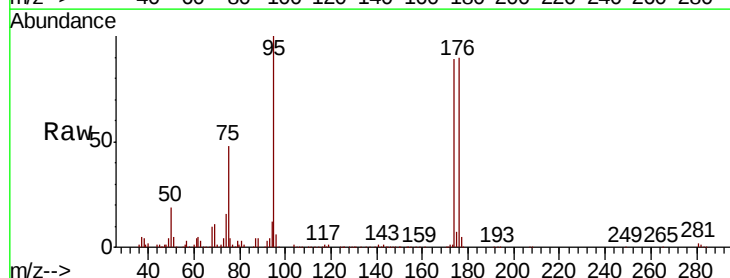
Tgt Ion: 95 Resp: 330618

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.0

176 86.6 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

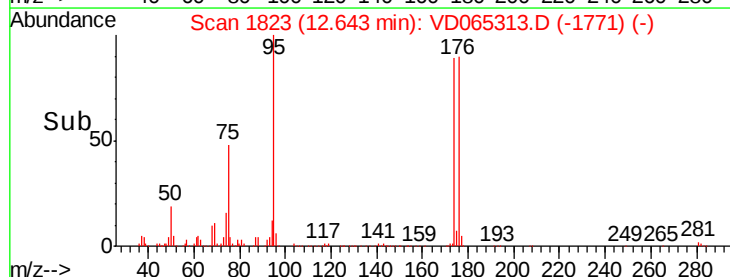
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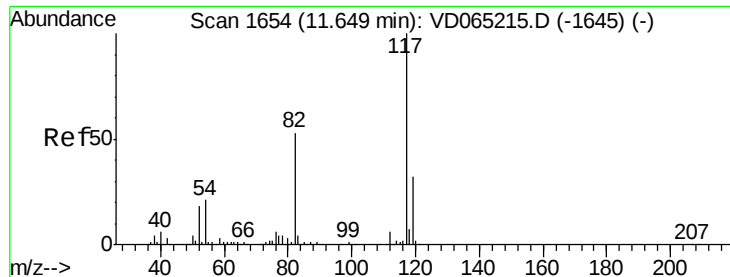
100000

50000

0

Time-->

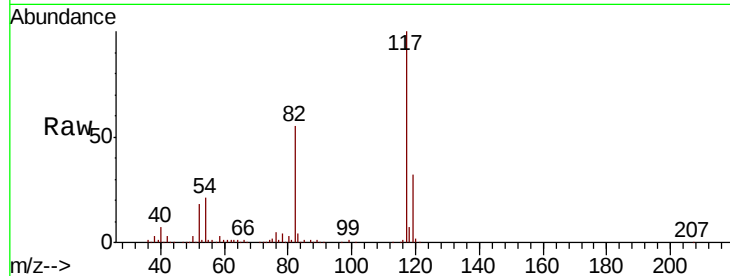




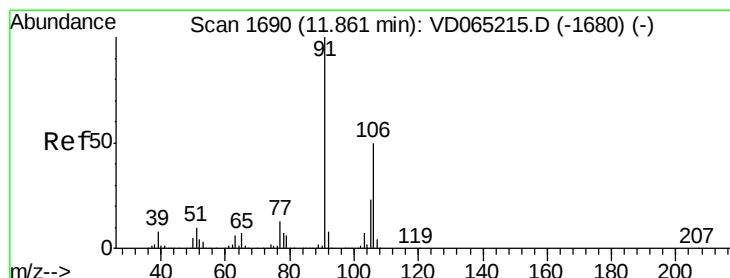
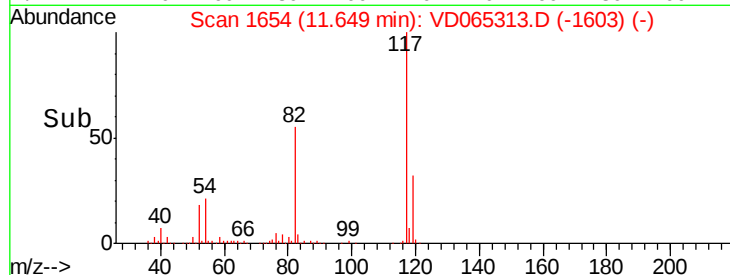
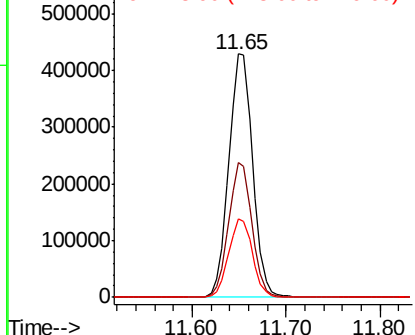
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065313.D
Acq: 25 Feb 2020 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 758265
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 32.3 25.5 38.3

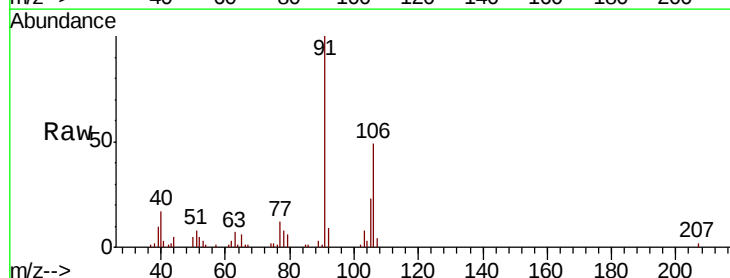


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

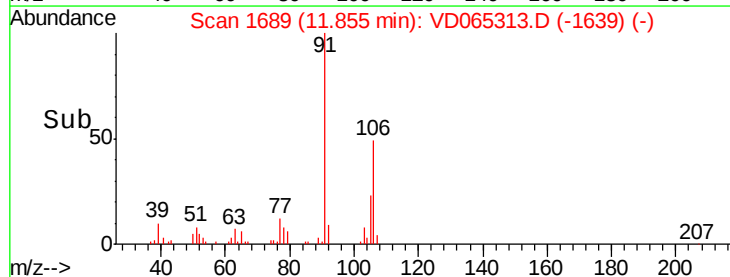
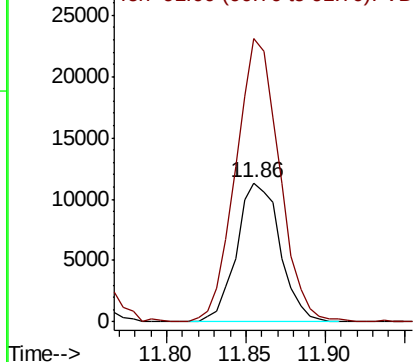


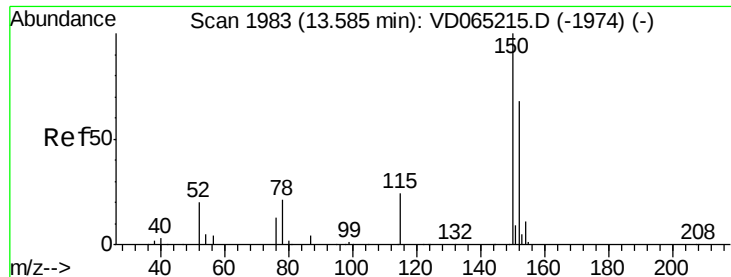
#68
m/p-Xylenes
Concen: 2.110 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065313.D
Acq: 25 Feb 2020 17:26

Tgt Ion:106 Resp: 21513
Ion Ratio Lower Upper
106 100
91 204.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

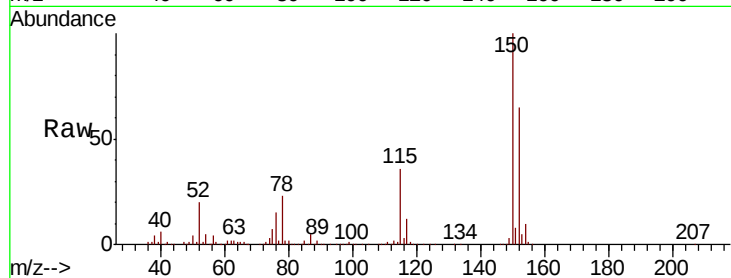
Tot Ion:152 Resp: 354409

Ion Ratio Lower Upper

152 100

115 54.8 27.6 82.8

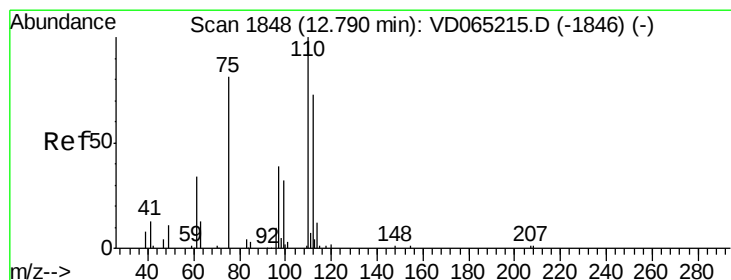
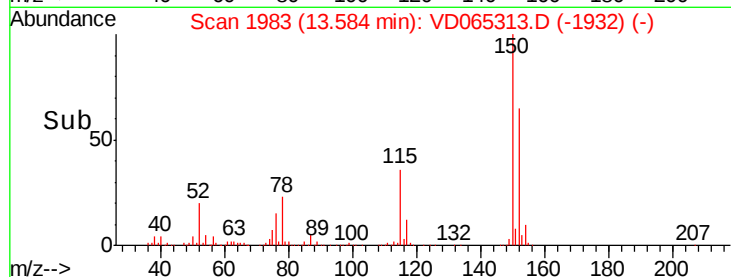
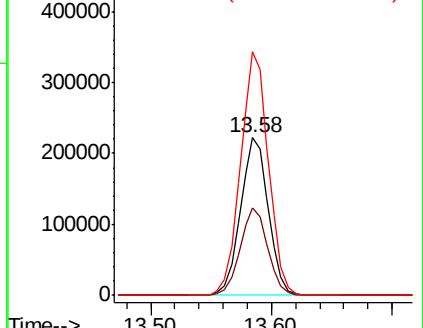
150 155.1 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 54.263 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065313.D

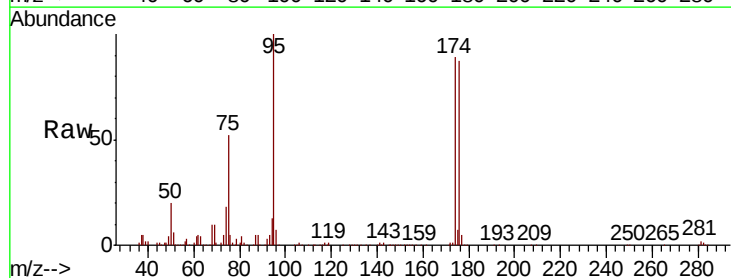
Acq: 25 Feb 2020 17:26

Tgt Ion: 75 Resp: 163624

Ion Ratio Lower Upper

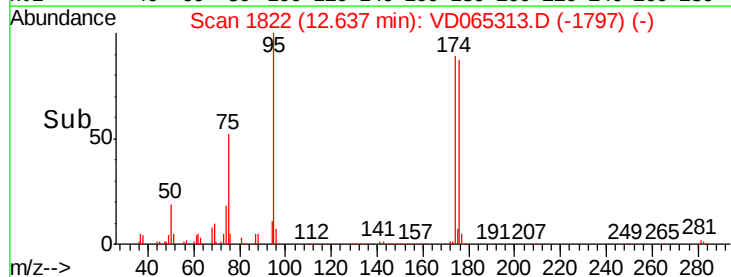
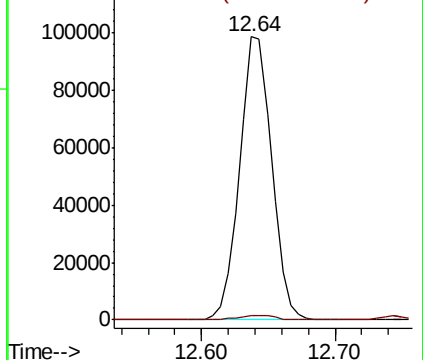
75 100

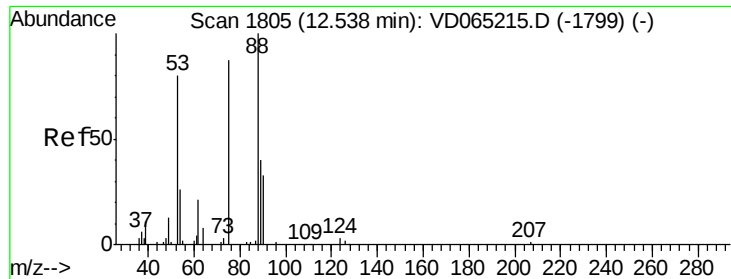
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.162 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065313.D

Acq: 25 Feb 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 163624

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.2 37.2 55.8#

