

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065348.D
 Acq On : 27 Feb 2020 16:53
 Operator : VA/SY
 Sample : L1719-02RE
 Misc : 7.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:36:22 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	498875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	832594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	760098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	339030	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	271249	60.44	ug/l	0.00
Spiked Amount			Recovery	=	120.88%	
35) Dibromofluoromethane	7.92	113	271717	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	10.34	98	1008892	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.64	95	302896	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

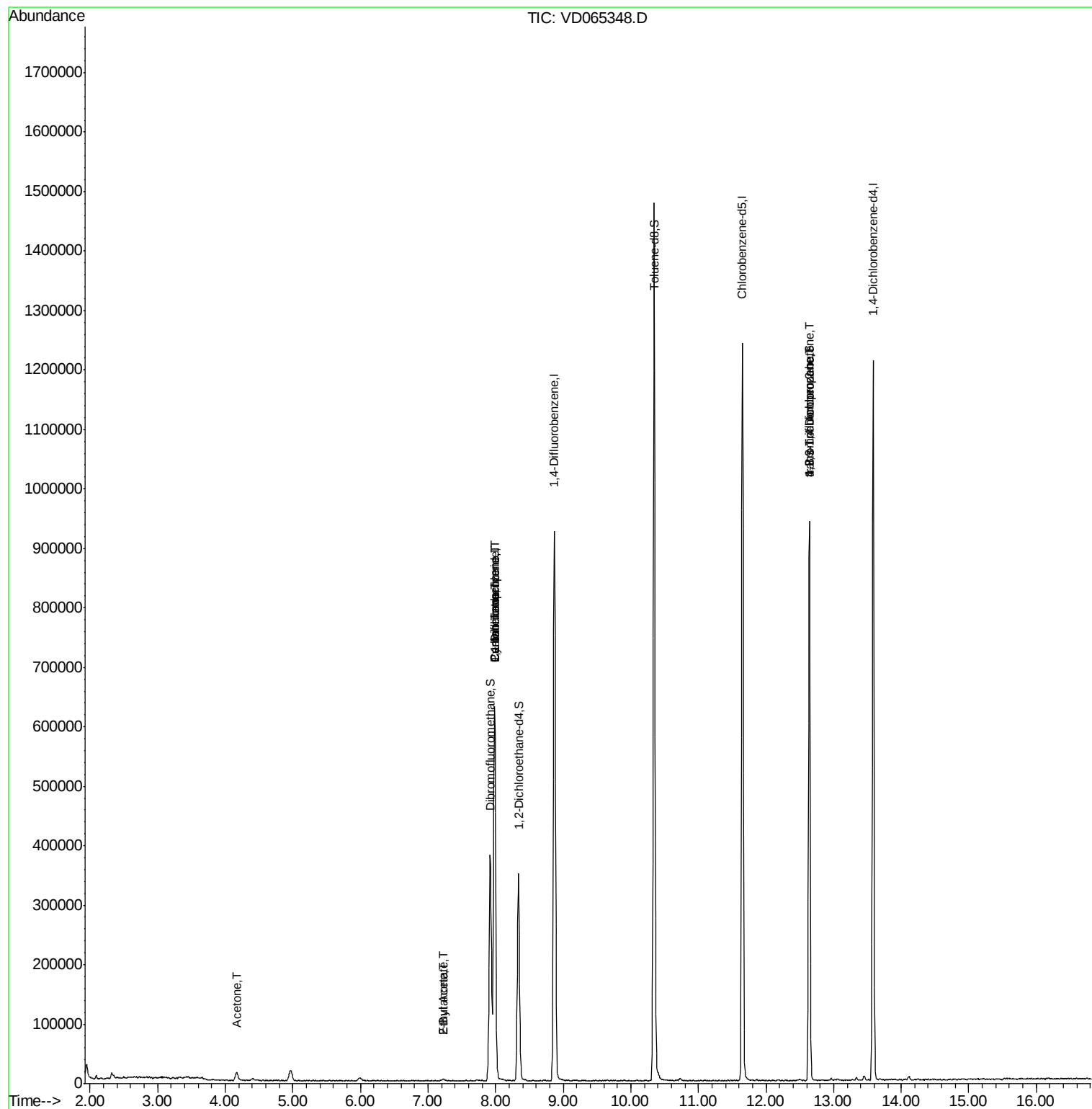
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	57	Below Cal	#	1
16) Acetone	4.17	43	24978	22.768	ug/l	93
20) Methylene Chloride	4.97	84	14852	Below Cal	#	82
25) 2-Butanone	7.23	43	4229	3.047	ug/l	86
31) Cyclohexane	7.98	56	9237	1.047	ug/l	1
36) 1,1-Dichloropropene	7.98	75	37047	4.573	ug/l	48
37) Ethyl Acetate	7.23	43	4229	1.249	ug/l	69
38) Carbon Tetrachloride	7.98	117	45494	5.516	ug/l	17
76) 1,2,3-Trichloropropane	12.64	75	145936	50.592	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145936	109.237	ug/l	11

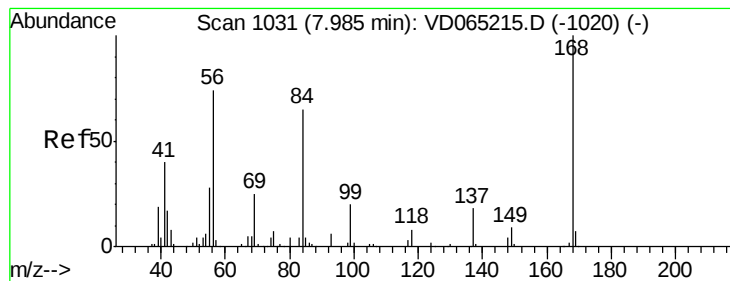
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

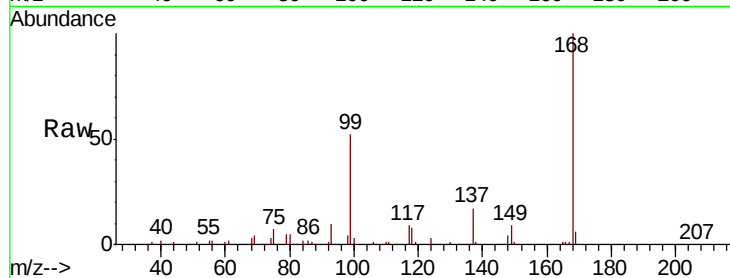
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 498875

Ion Ratio Lower Upper

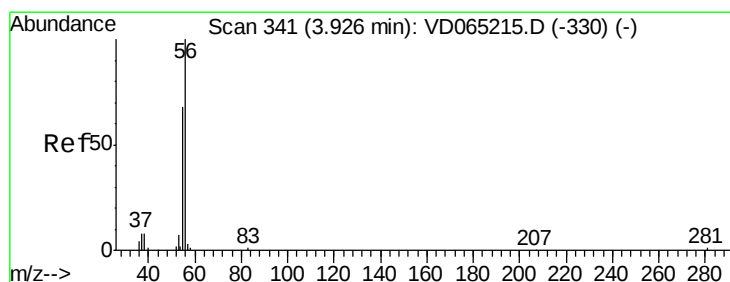
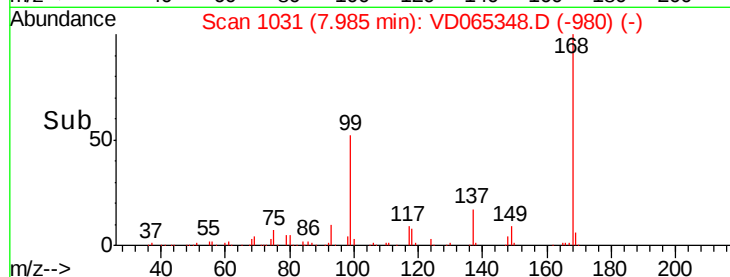
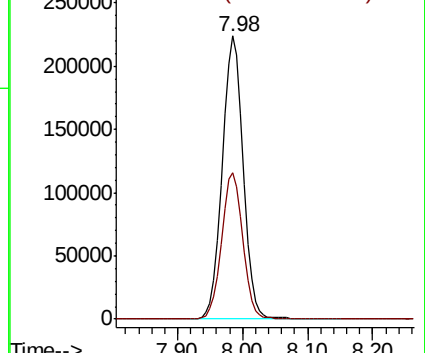
168 100

99 51.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.64 min Scan# 293

Delta R.T. -0.28 min

Lab File: VD065348.D

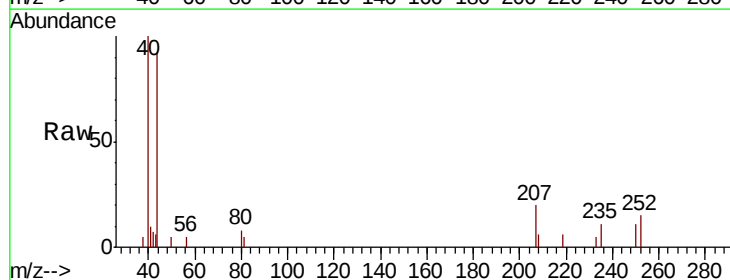
Acq: 27 Feb 2020 16:53

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

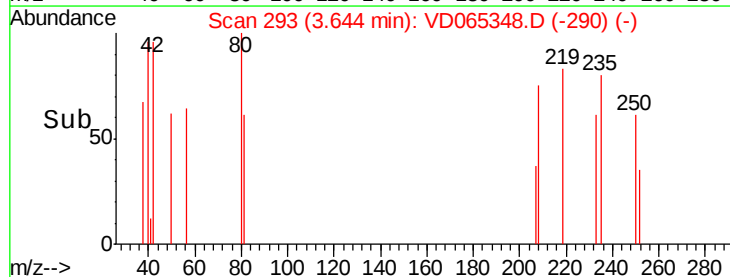
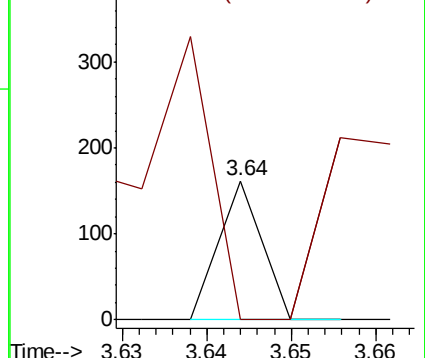
56 100

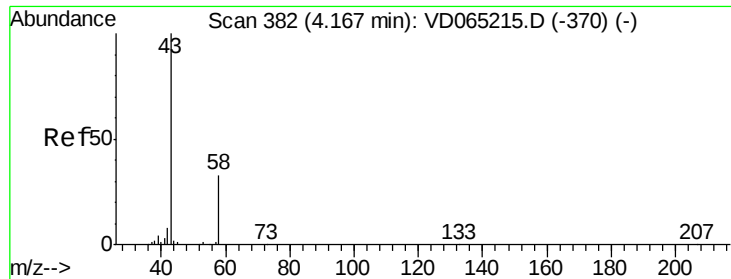
55 257.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 22.768 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Instrument :

MSVOA_D

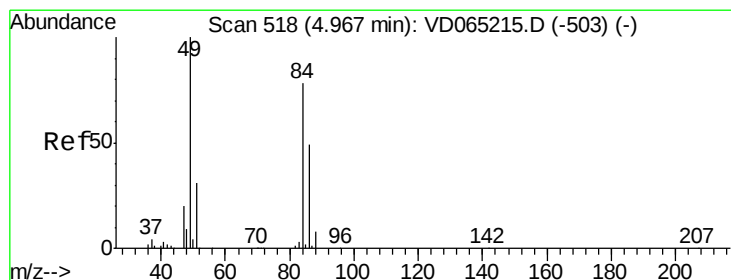
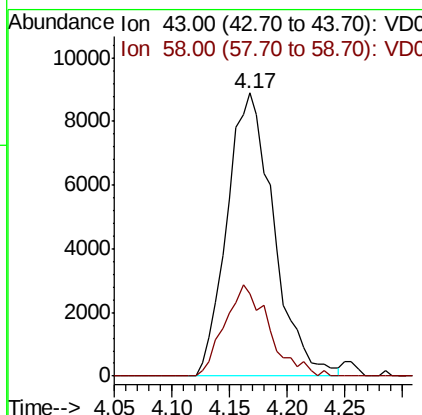
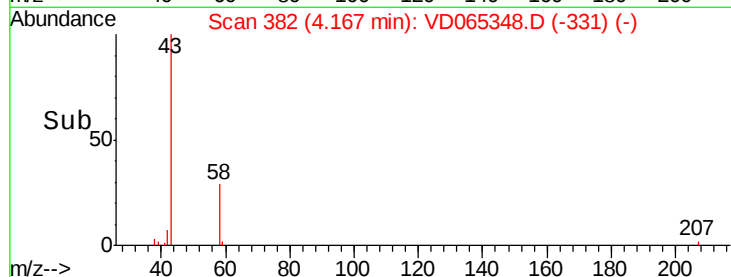
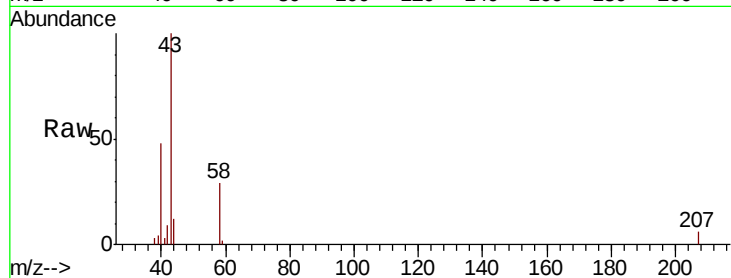
ClientSampleId :

Tot Ion: 43 Resp: 24978

Ion Ratio Lower Upper

43 100

58 28.9 26.2 39.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Tgt Ion: 84 Resp: 14852

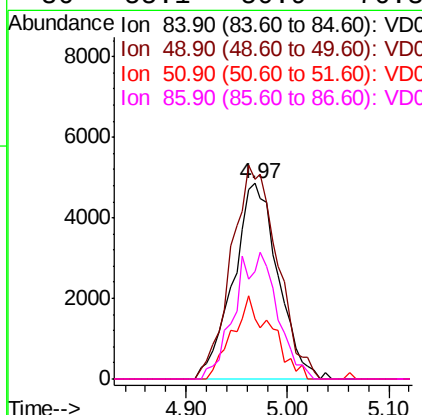
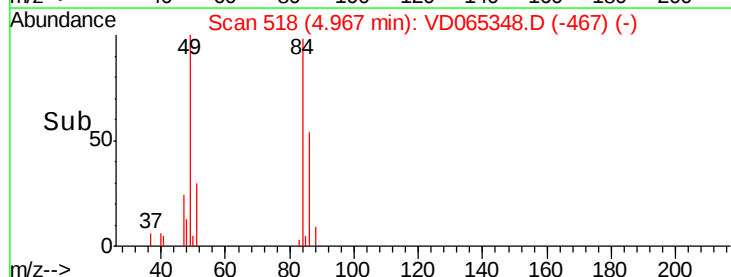
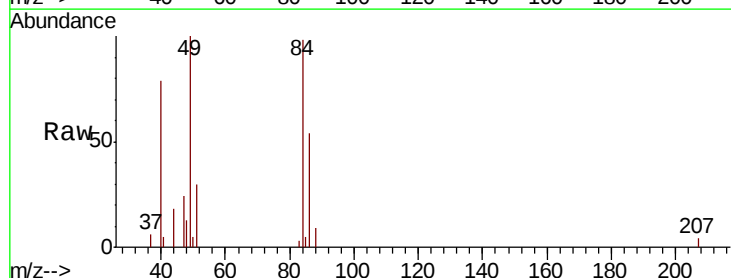
Ion Ratio Lower Upper

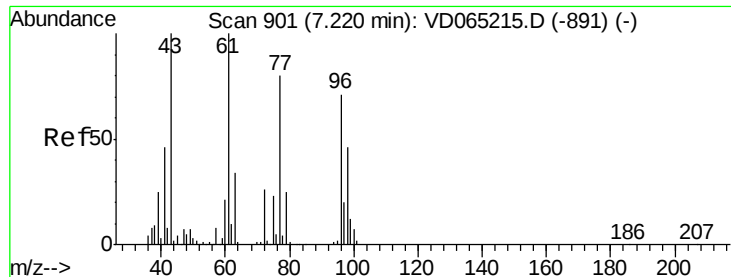
84 100

49 102.0 103.1 154.7#

51 30.9 31.7 47.5#

86 55.1 50.9 76.3





#25

2-Butanone

Concen: 3.047 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Instrument :

MSVOA_D

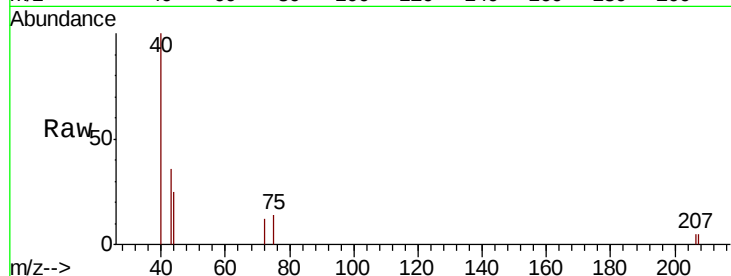
ClientSampleId :

Tot Ion: 43 Resp: 4229

Ion Ratio Lower Upper

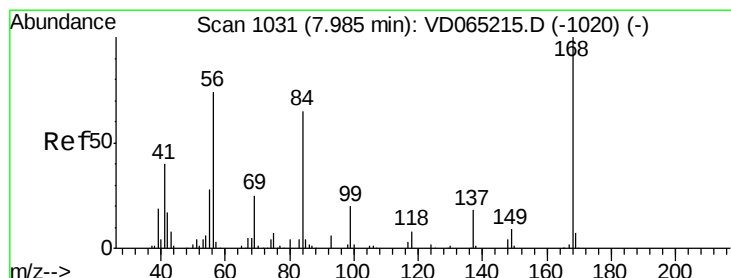
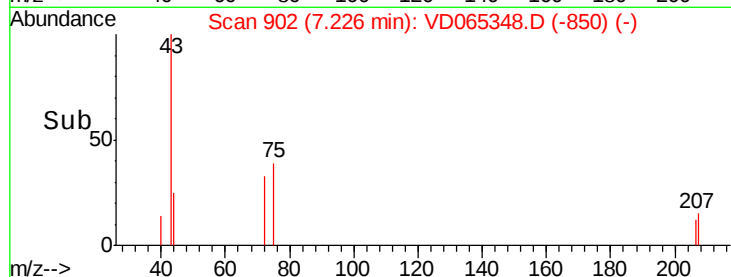
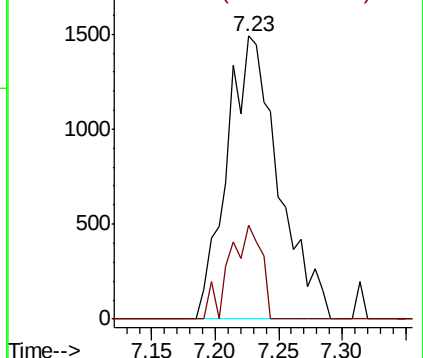
43 100

72 33.4 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

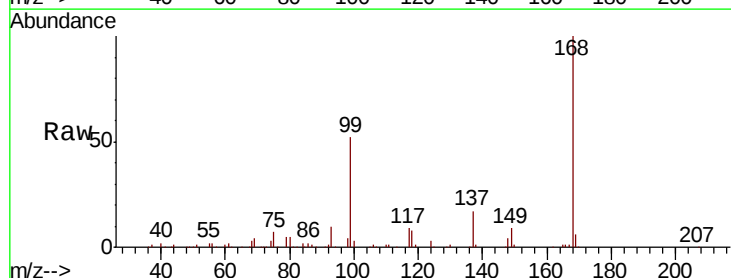
Tgt Ion: 56 Resp: 9237

Ion Ratio Lower Upper

56 100

69 199.3 27.4 41.0#

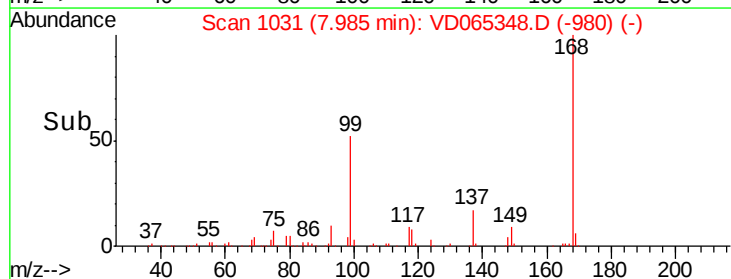
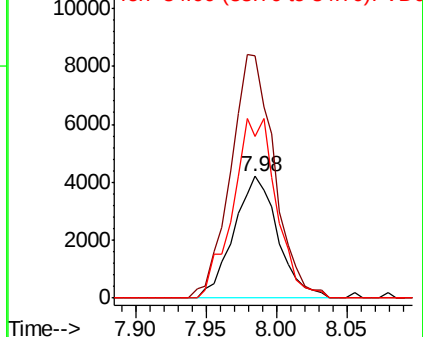
84 146.7 71.1 106.7#

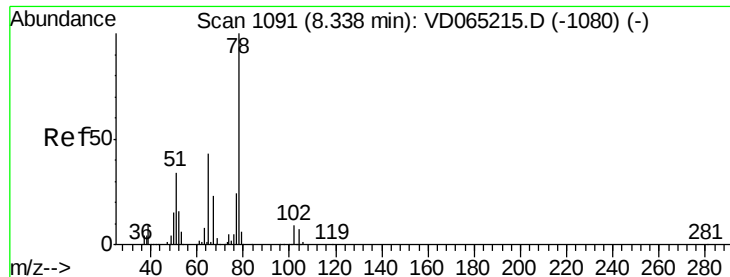


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.440 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Instrument :

MSVOA_D

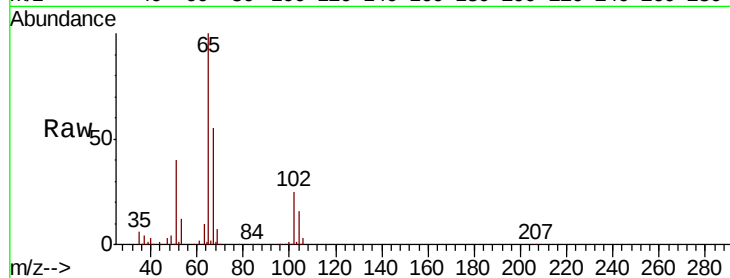
ClientSampleId :

Tot Ion: 65 Resp: 271249

Ion Ratio Lower Upper

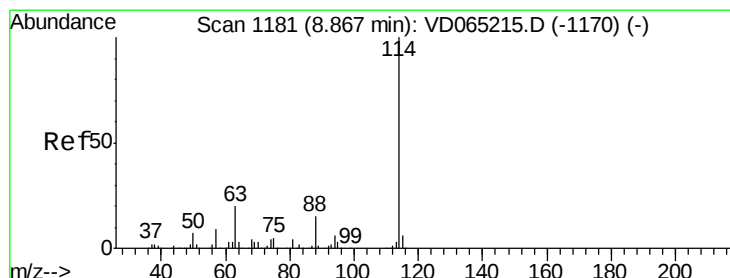
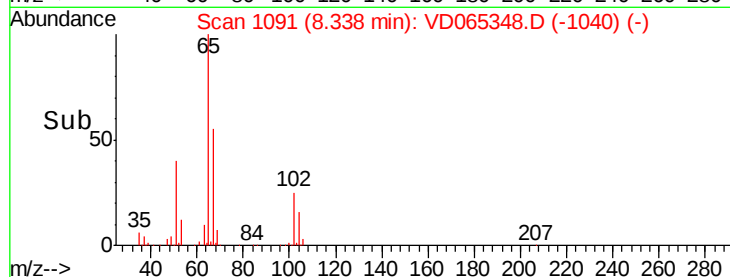
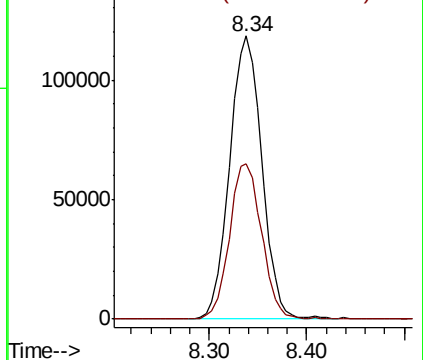
65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

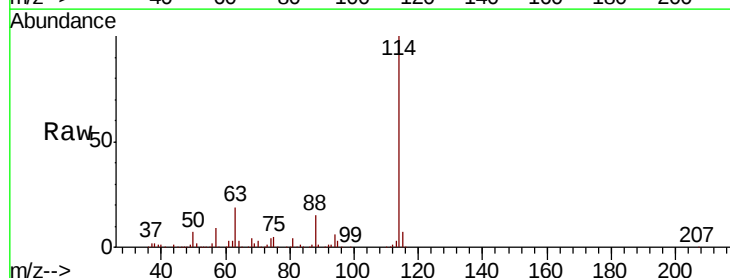
Tgt Ion: 114 Resp: 832594

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

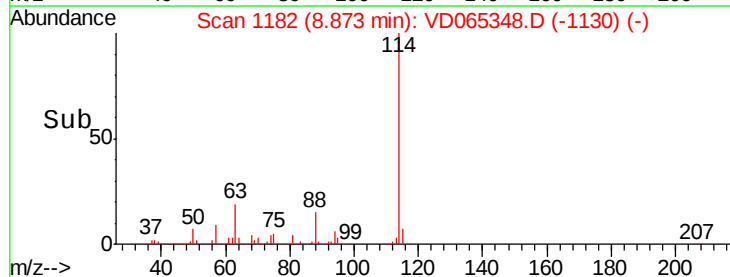
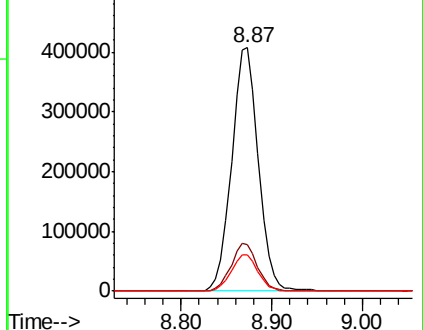
88 15.0 0.0 30.4

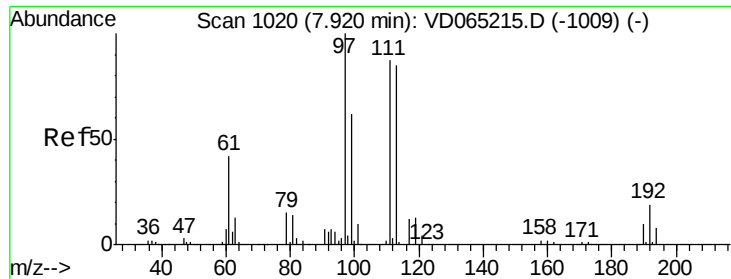


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

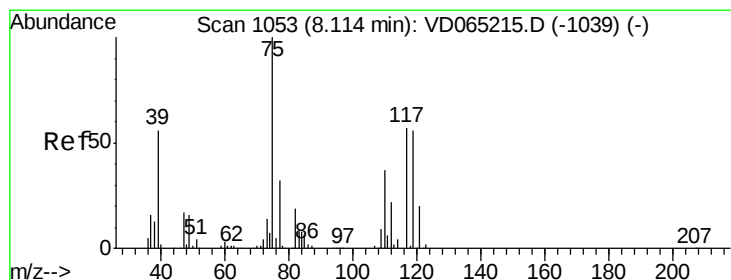
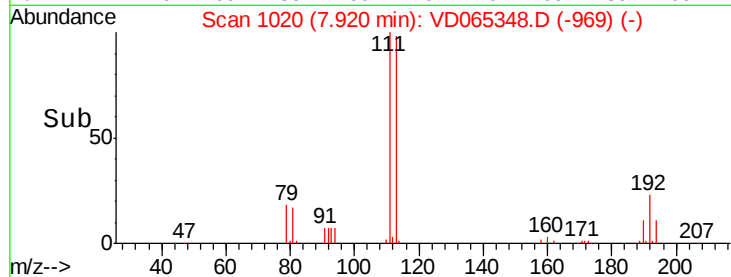
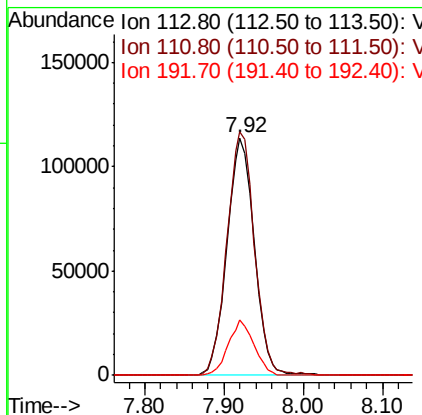
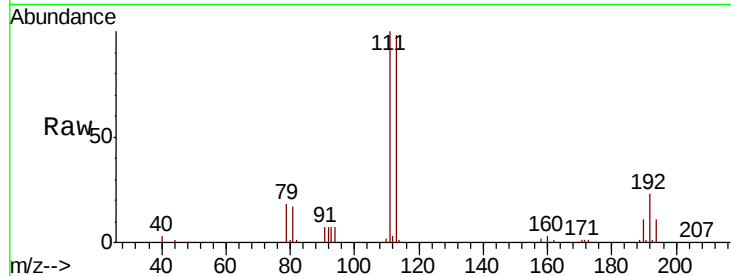




#35
 Dibromofluoromethane
 Concen: 53.523 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065348.D
 Acq: 27 Feb 2020 16:53

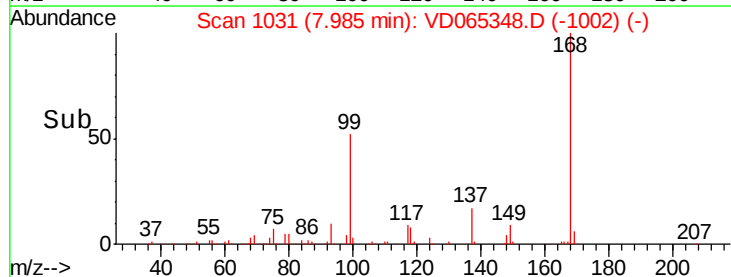
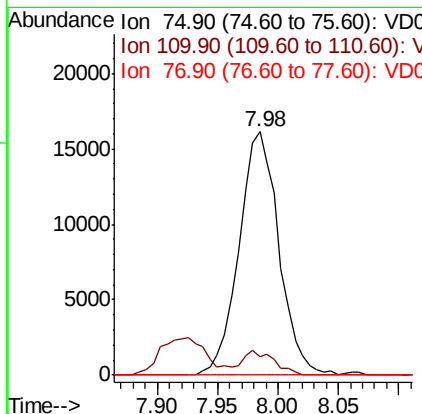
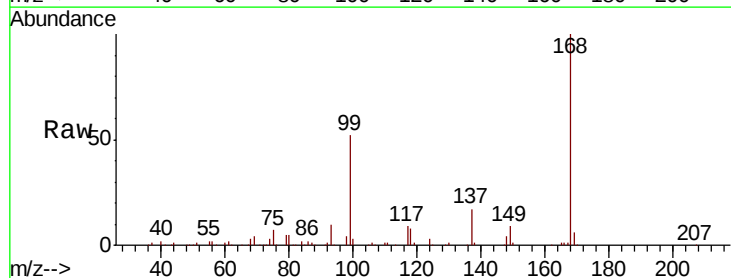
Instrument :
 MSVOA_D
 ClientSampleId :

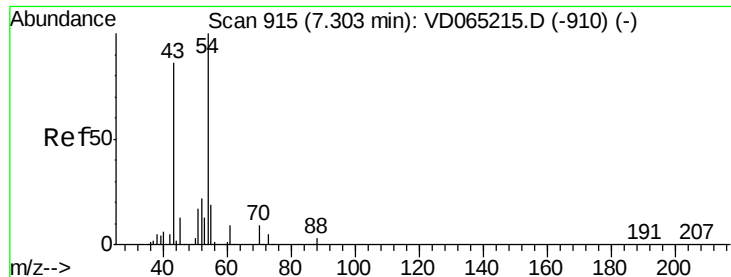
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	21.8	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065348.D
 Acq: 27 Feb 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.7#
77	0.0	25.1	37.7#

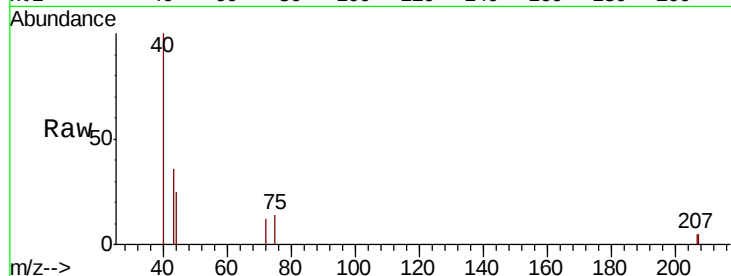




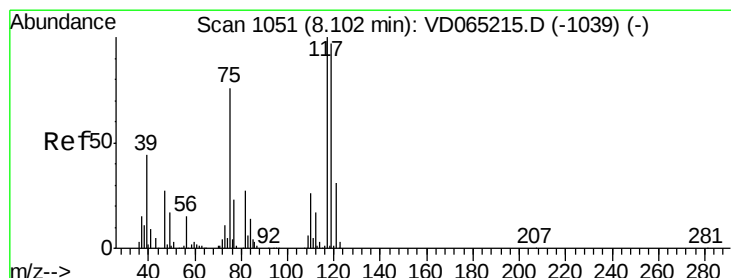
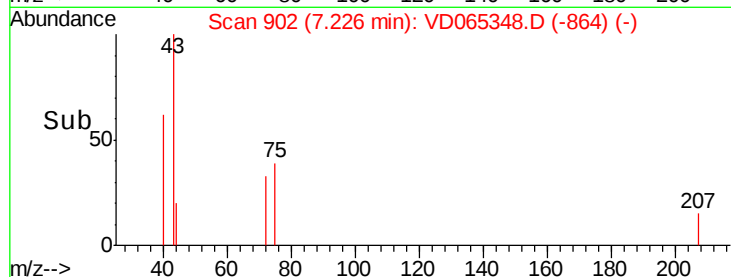
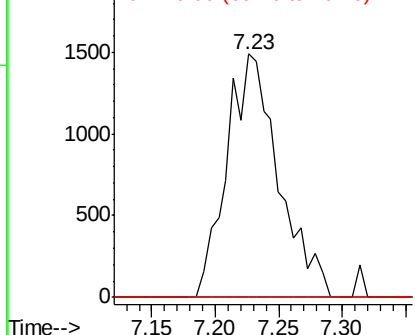
#37
Ethyl Acetate
Concen: 1.249 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD065348.D
Acq: 27 Feb 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4229
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.2 12.2#

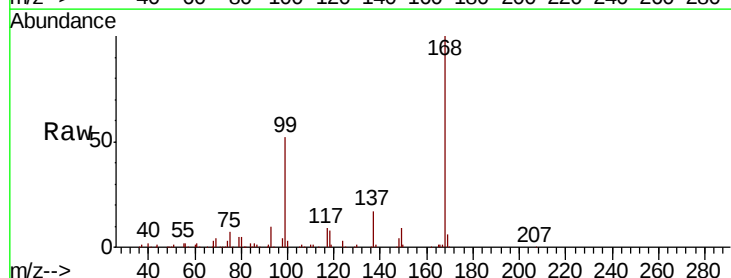


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

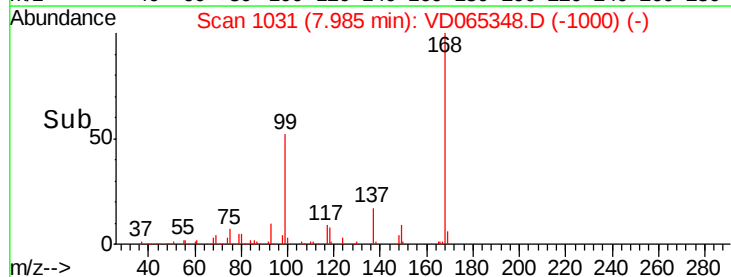
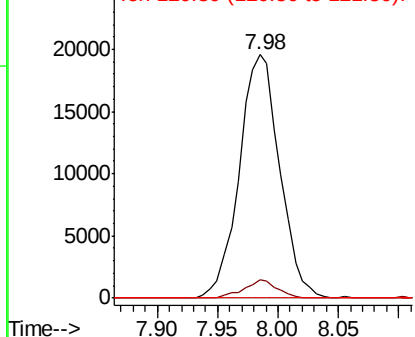


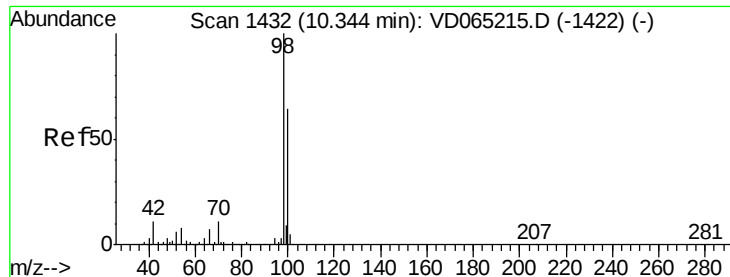
#38
Carbon Tetrachloride
Concen: 5.516 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065348.D
Acq: 27 Feb 2020 16:53

Tgt Ion: 117 Resp: 45494
Ion Ratio Lower Upper
117 100
119 7.7 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: 51.984 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Instrument :

MSVOA_D

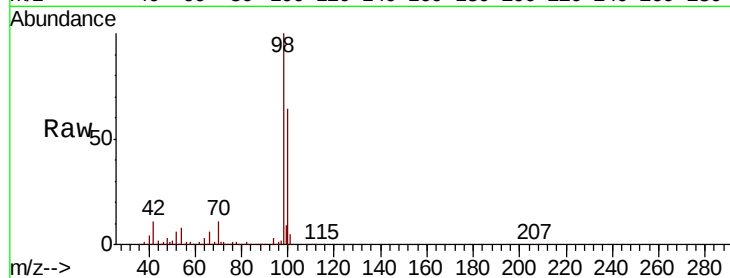
ClientSampleId :

Tot Ion: 98 Resp: 1008892

Ion Ratio Lower Upper

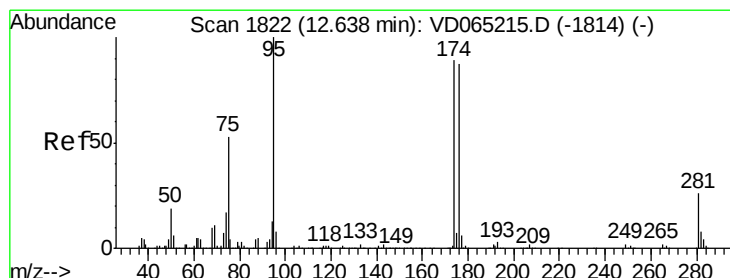
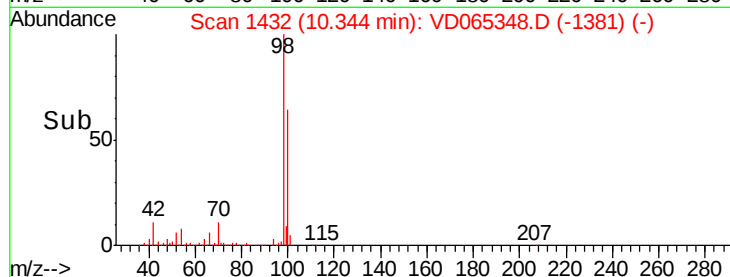
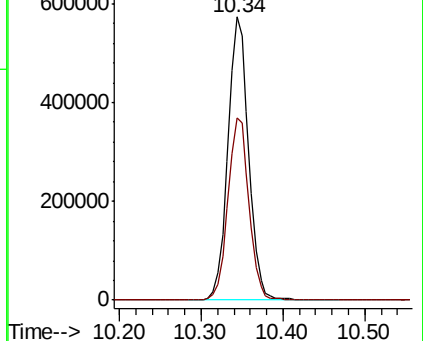
98 100

100 65.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.266 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

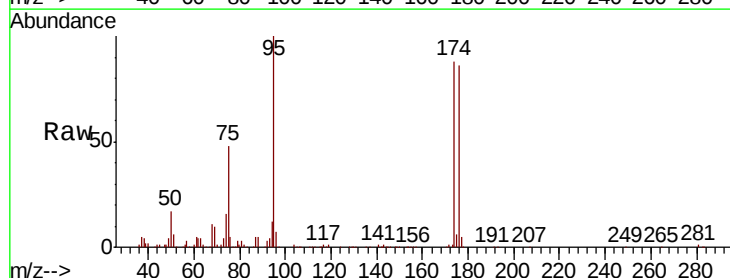
Tgt Ion: 95 Resp: 302896

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.0

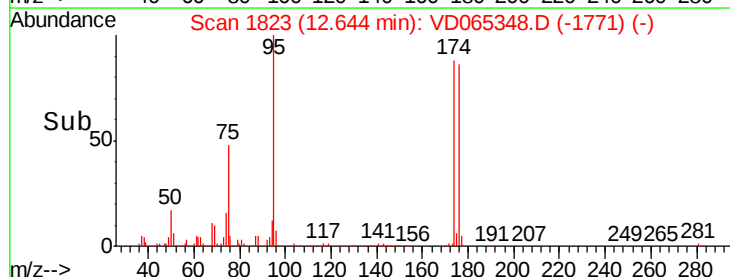
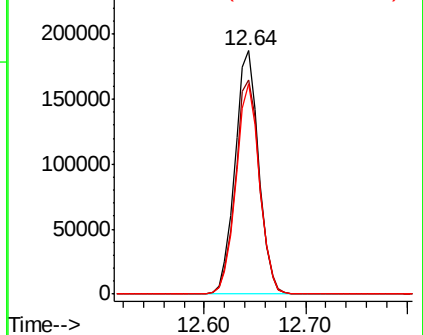
176 86.0 0.0 174.4

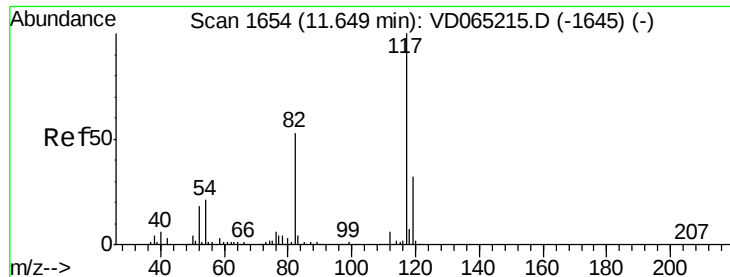


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

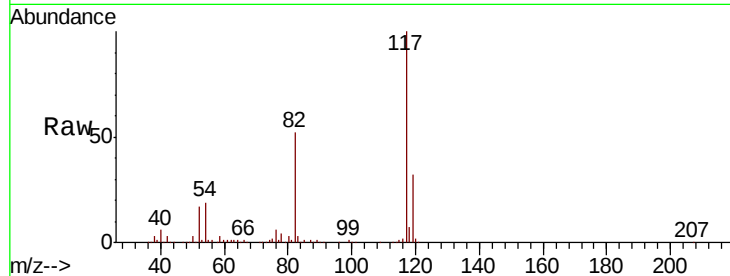




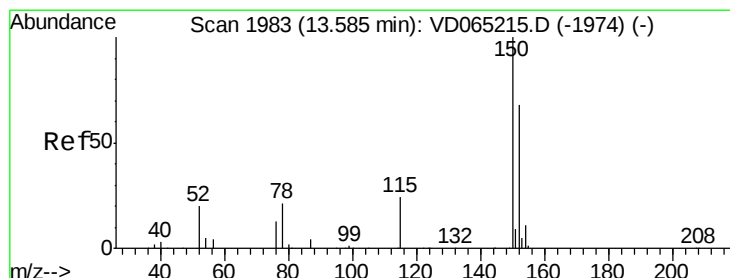
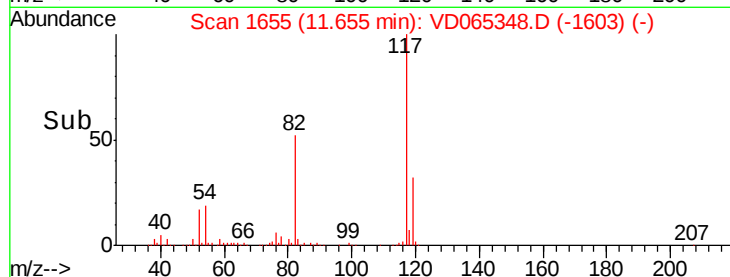
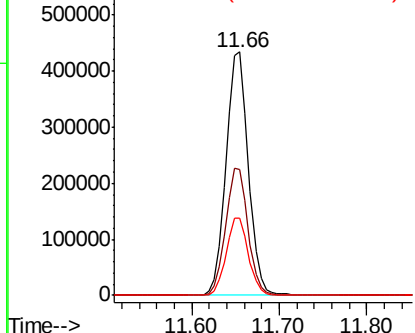
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065348.D
Acq: 27 Feb 2020 16:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.7	64.1
119	32.0	25.5	38.3

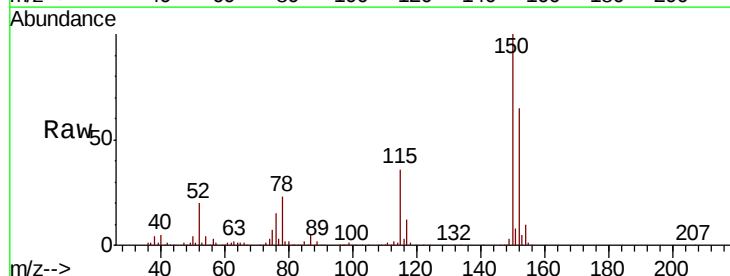


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

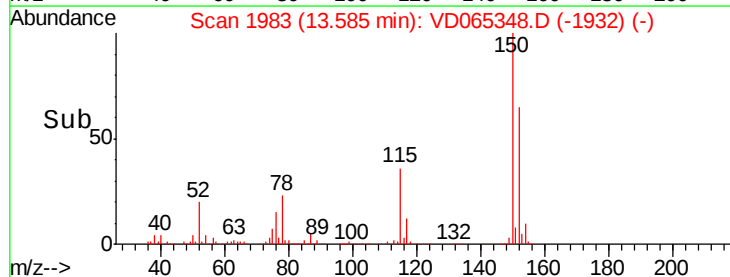
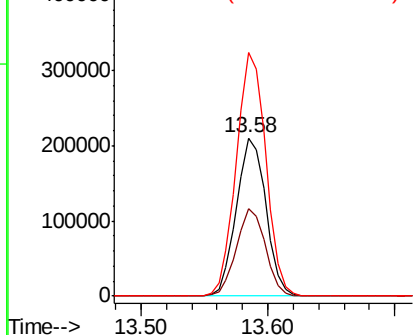


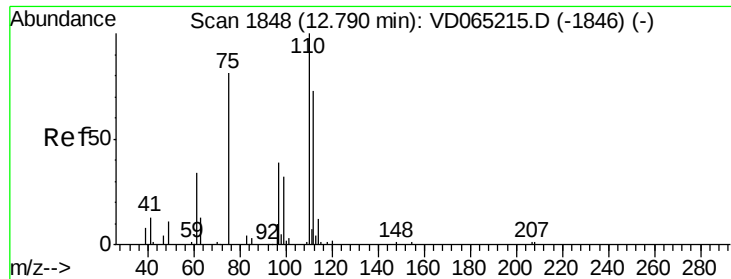
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065348.D
Acq: 27 Feb 2020 16:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.6	82.8
150	155.2	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: 50.592 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

Instrument :

MSVOA_D

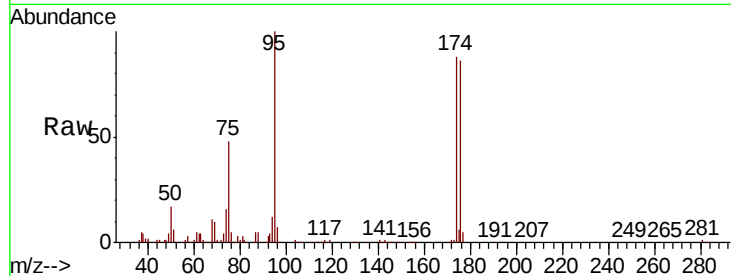
ClientSampled :

Tot Ion: 75 Resp: 145936

Ion Ratio Lower Upper

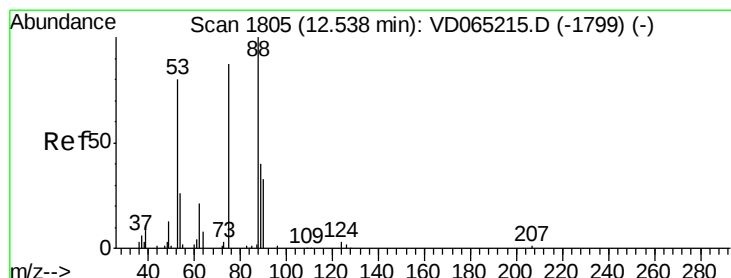
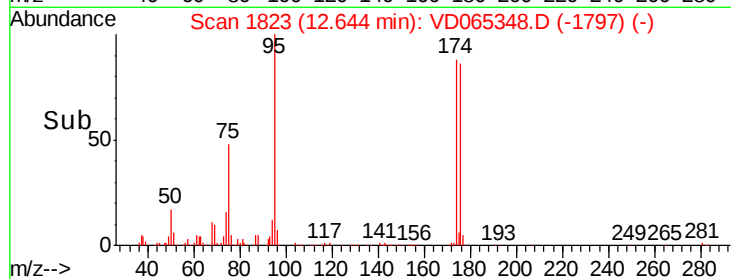
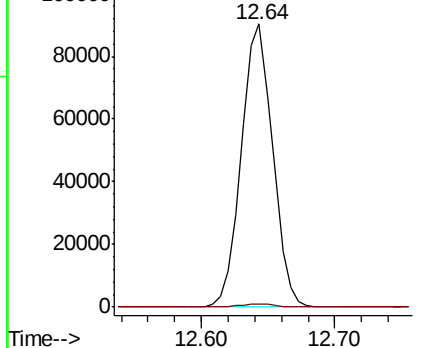
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 109.237 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065348.D

Acq: 27 Feb 2020 16:53

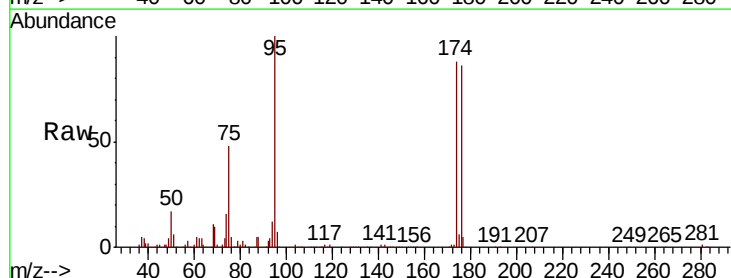
Tgt Ion: 75 Resp: 145936

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

