

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065273.D
 Acq On : 21 Feb 2020 14:10
 Operator : VA/SY
 Sample : L1635-01
 Misc : 6.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:23:15 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	357555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	598229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	523804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191396	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	215107	66.87	ug/l	0.00
Spiked Amount			Recovery	=	133.74%	
35) Dibromofluoromethane	7.92	113	200664	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
50) Toluene-d8	10.34	98	714858	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.64	95	193155	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

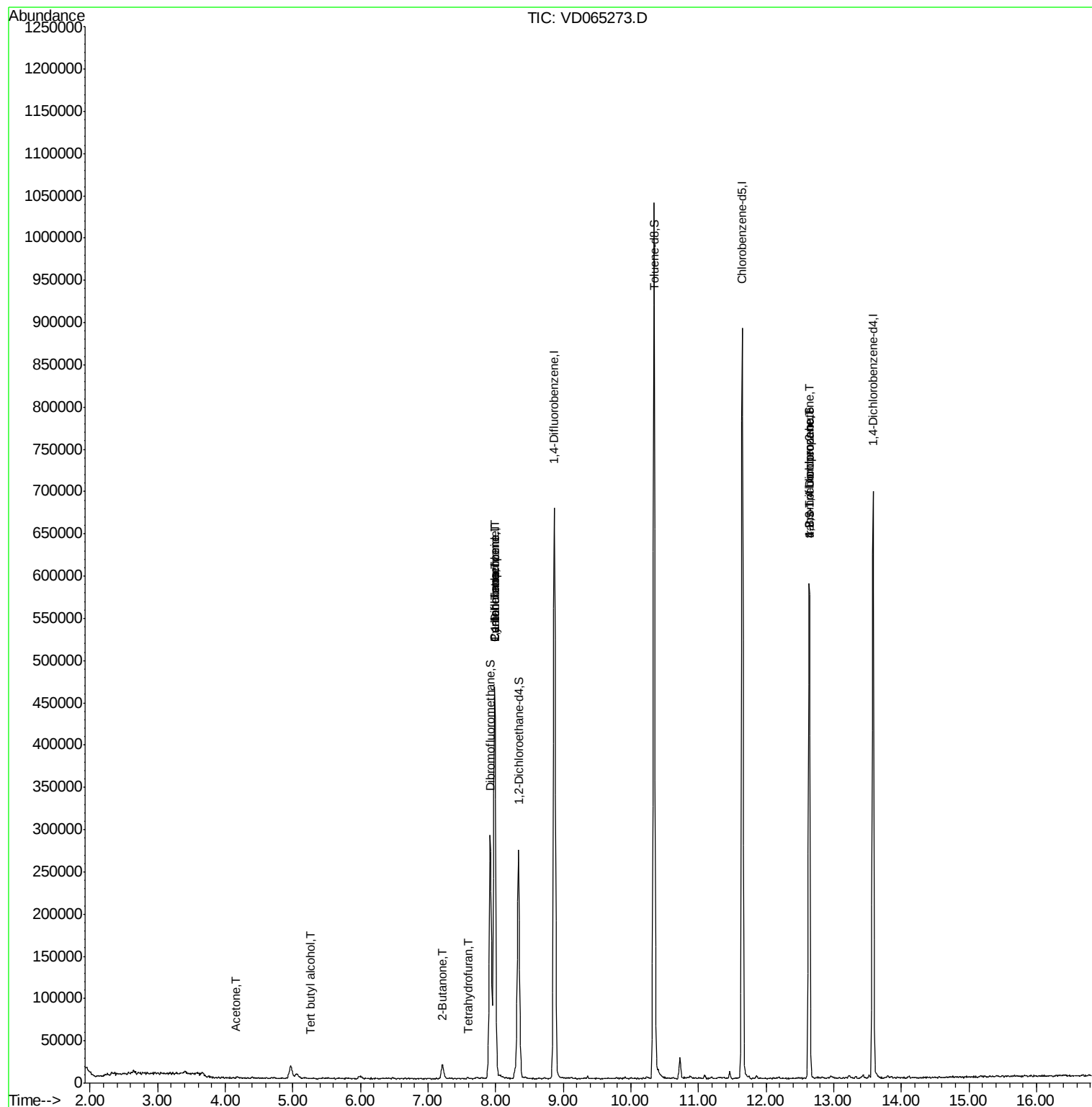
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	316	1.644	ug/l #	72
16) Acetone	4.17	43	2820	3.586	ug/l	97
20) Methylene Chloride	4.97	84	10896	Below Cal		98
25) 2-Butanone	7.22	43	1498	1.506	ug/l #	49
29) Tetrahydrofuran	7.59	42	646	1.108	ug/l #	50
31) Cyclohexane	7.98	56	9160	1.448	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	25400	4.364	ug/l #	49
38) Carbon Tetrachloride	7.98	117	34417	5.808	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	94967	58.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	94967	125.917	ug/l #	11

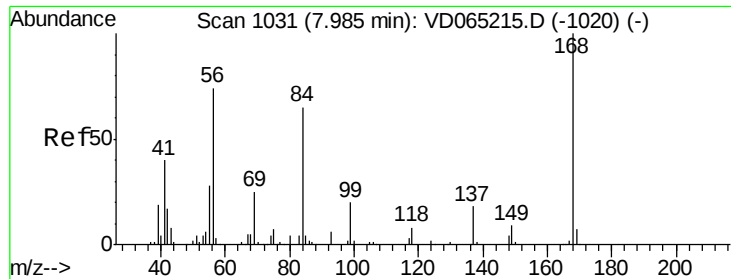
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022120\
Data File : VD065273.D
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Operator : VA/SY
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Misc : 6.33G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 22 02:23:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
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: VD065273.D

Acq: 21 Feb 2020 14:10

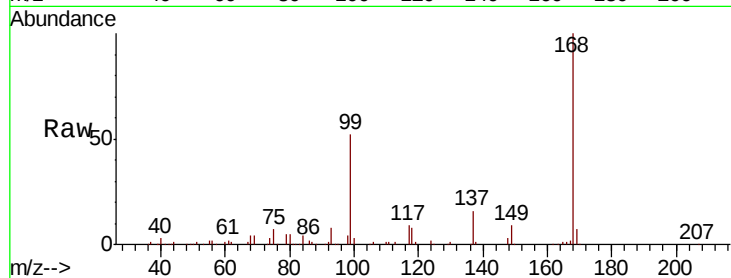
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 357555

Ion Ratio Lower Upper

168 100

99 52.3 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

150000

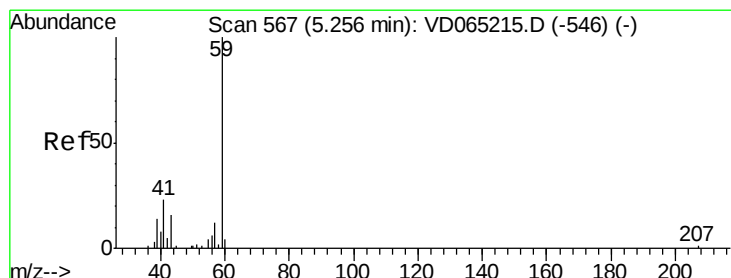
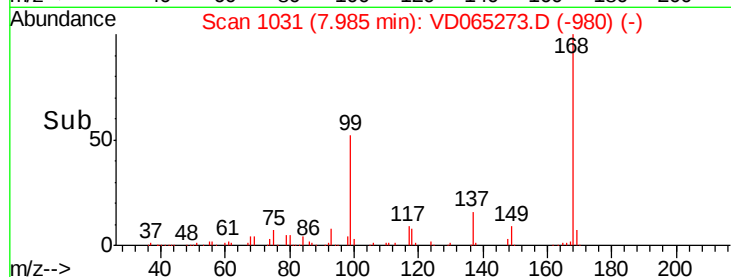
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.644 ug/l

RT: 5.26 min Scan# 567

Delta R.T. -0.00 min

Lab File: VD065273.D

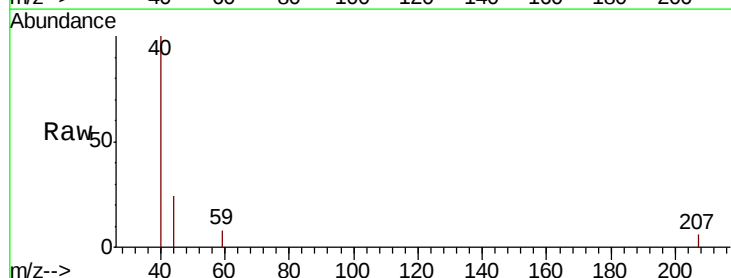
Acq: 21 Feb 2020 14:10

Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

300

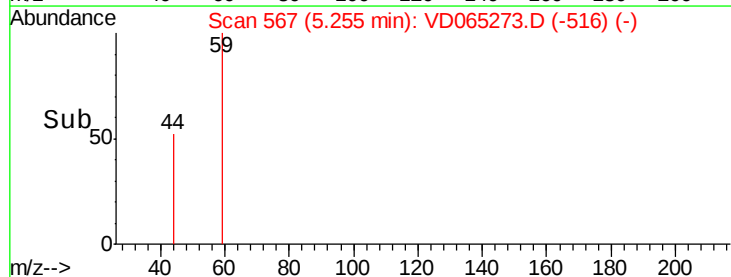
200

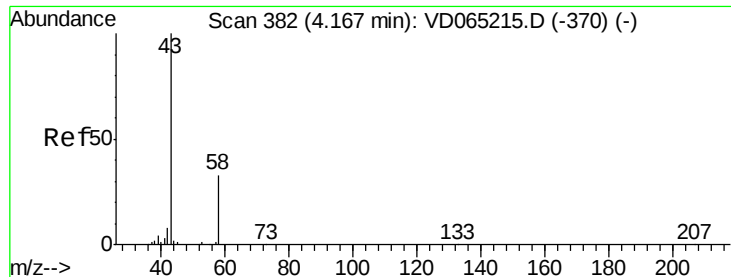
100

0

Time-->

5.22 5.24 5.26 5.28





#16

Acetone

Concen: 3.586 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

Instrument :

MSVOA_D

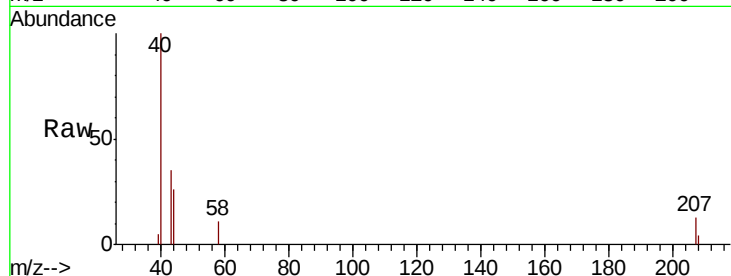
ClientSampled :

Tot Ion: 43 Resp: 2820

Ion Ratio Lower Upper

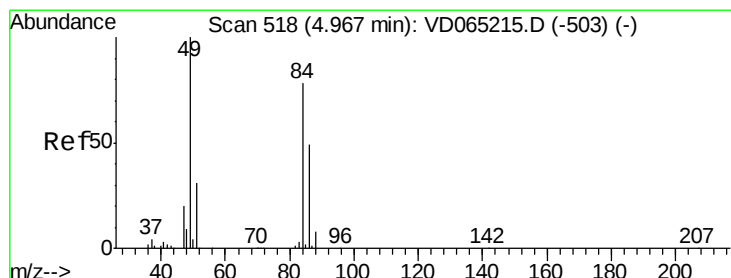
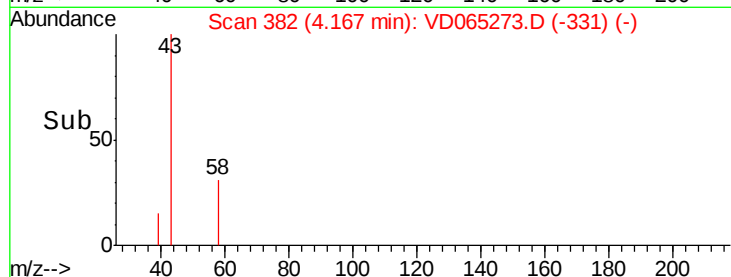
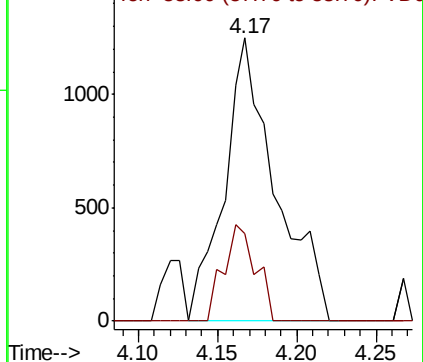
43 100

58 30.8 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

Tgt Ion: 84 Resp: 10896

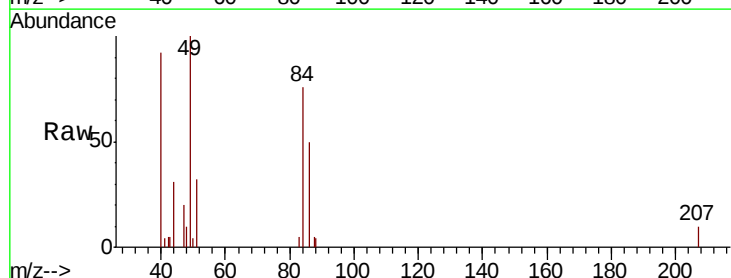
Ion Ratio Lower Upper

84 100

49 131.0 103.1 154.7

51 42.0 31.7 47.5

86 65.8 50.9 76.3

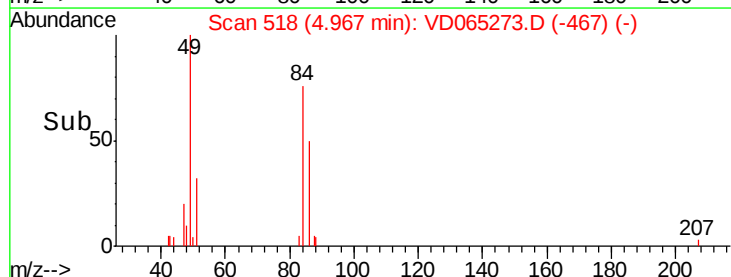
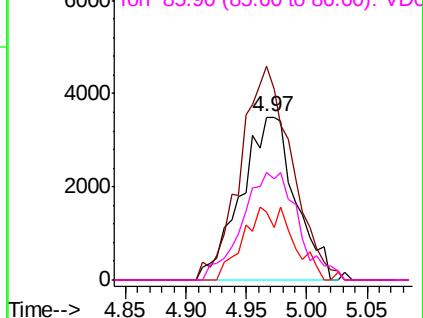


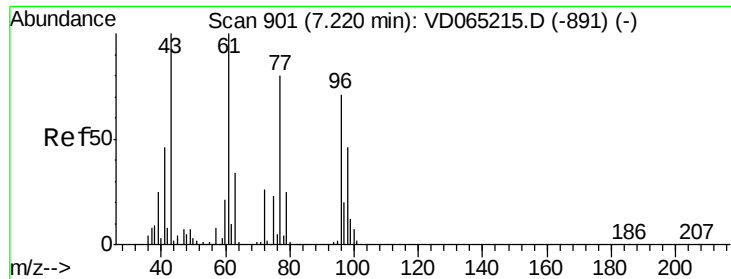
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

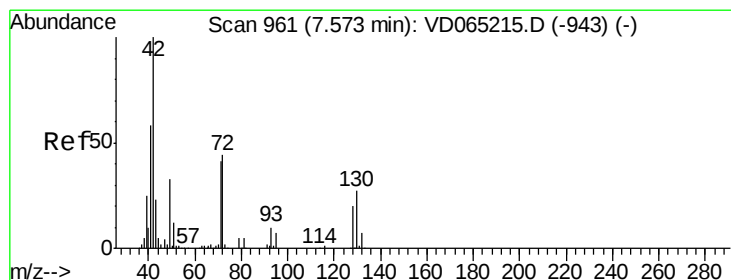
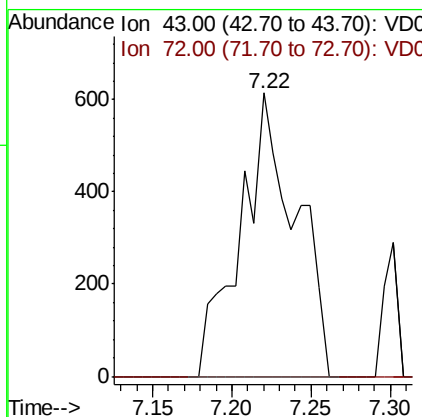
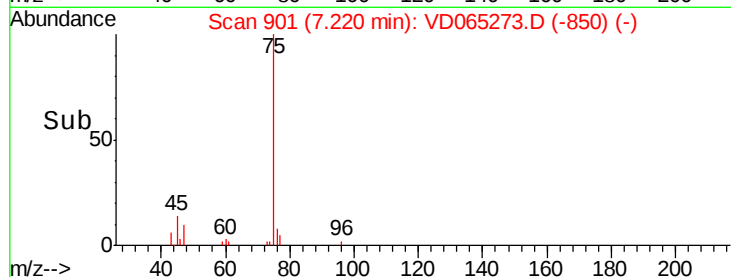
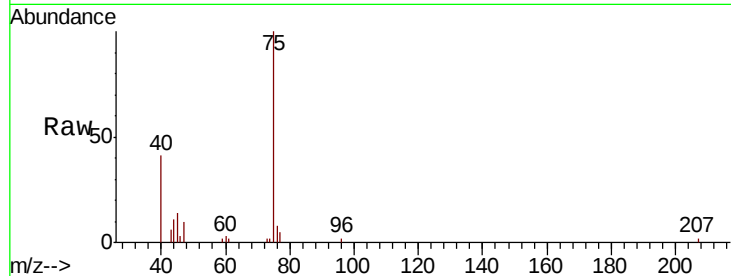




#25
2-Butanone
Concen: 1.506 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

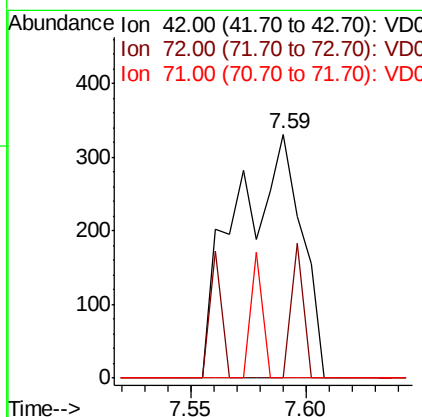
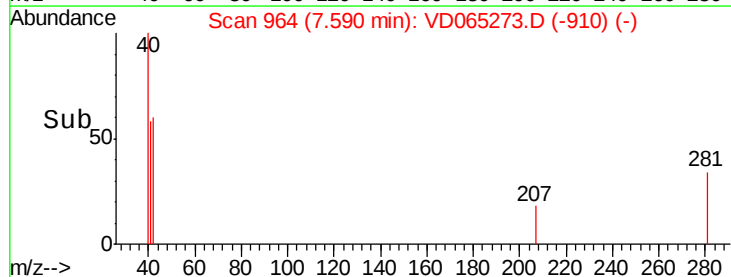
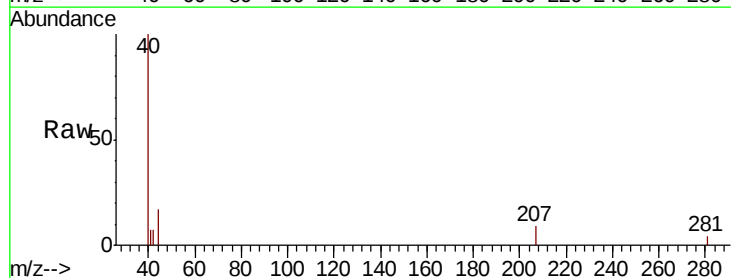
Instrument :
MSVOA_D
ClientSampleId :

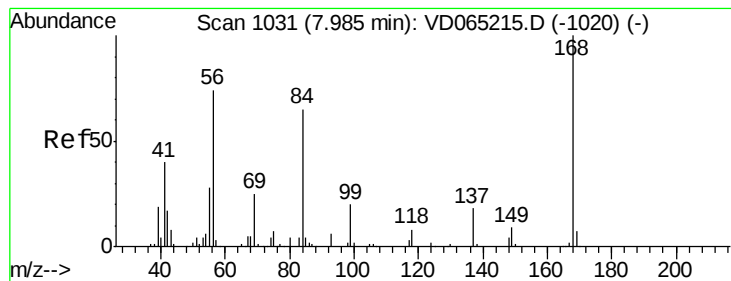
Tot Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#29
Tetrahydrofuran
Concen: 1.108 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

Tgt Ion: 42 Resp: 646
Ion Ratio Lower Upper
42 100
72 10.1 33.7 50.5#
71 9.3 31.4 47.2#





#31

Cyclohexane

Concen: 1.448 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

Instrument :
MSVOA_D
ClientSampled :

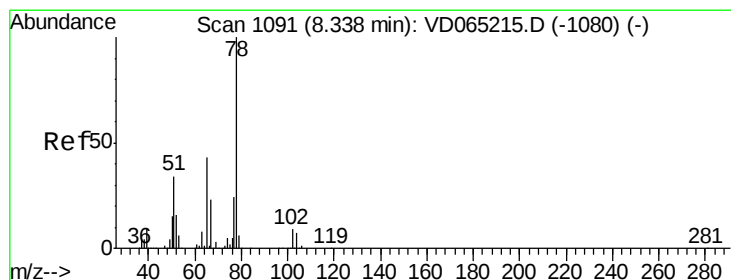
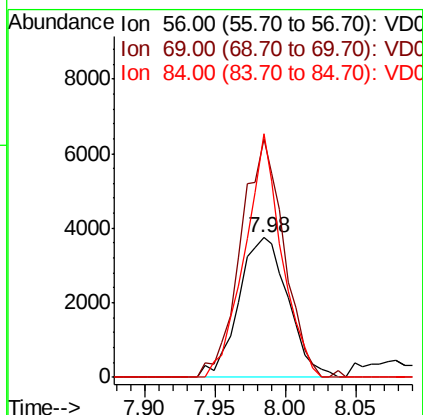
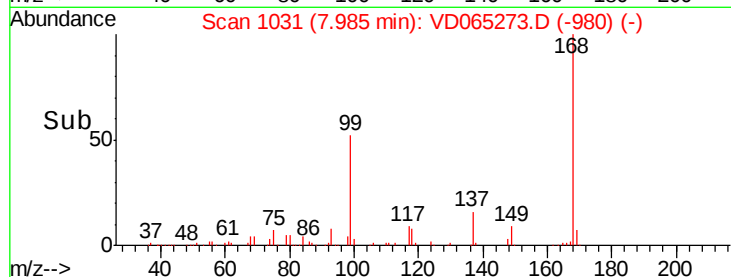
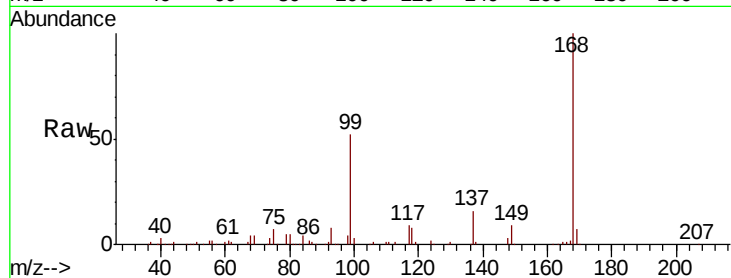
Tot Ion: 56 Resp: 9160

Ion Ratio Lower Upper

56 100

69 170.2 27.4 41.0#

84 174.2 71.1 106.7#



#33

1,2-Dichloroethane-d4

Concen: 66.874 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065273.D

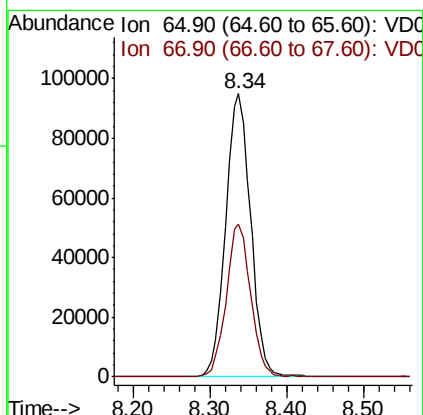
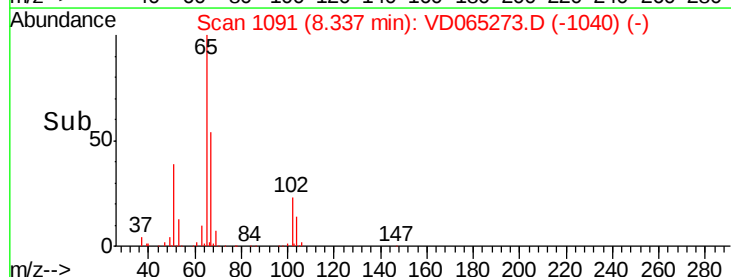
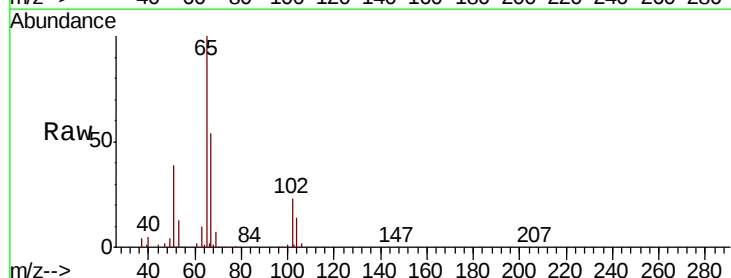
Acq: 21 Feb 2020 14:10

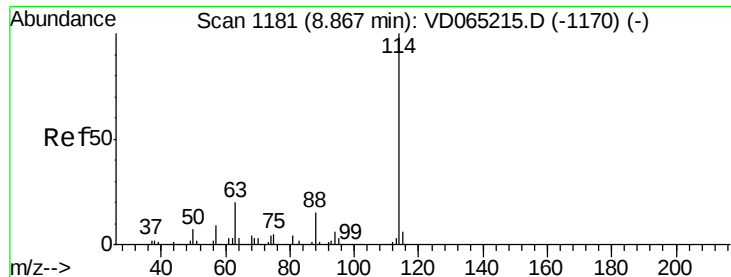
Tgt Ion: 65 Resp: 215107

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8

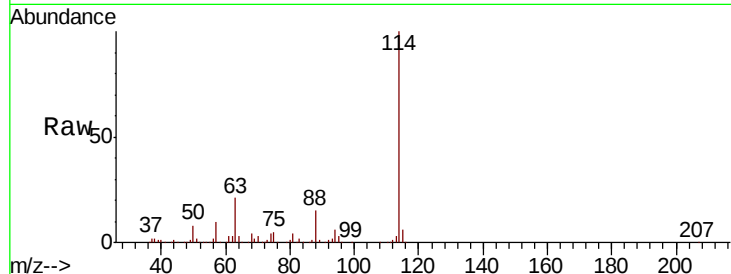




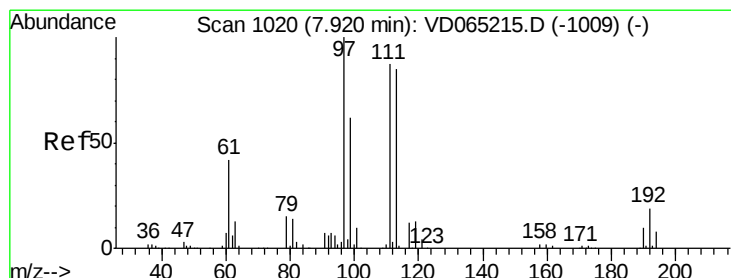
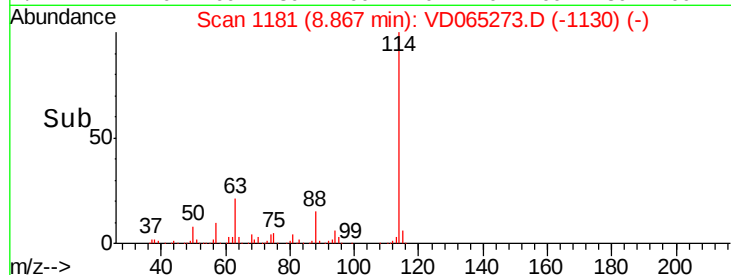
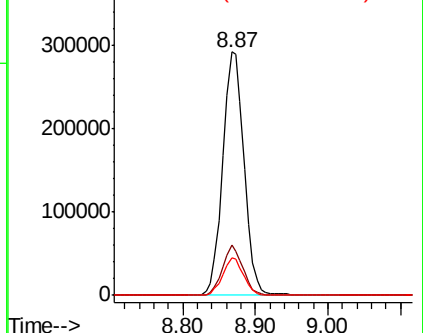
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065273.D
 Acq: 21 Feb 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.4
88	15.2	0.0	30.4

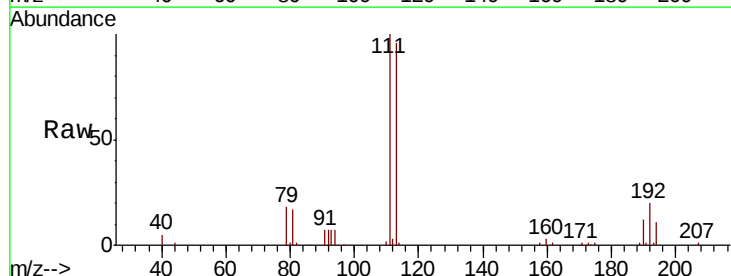


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

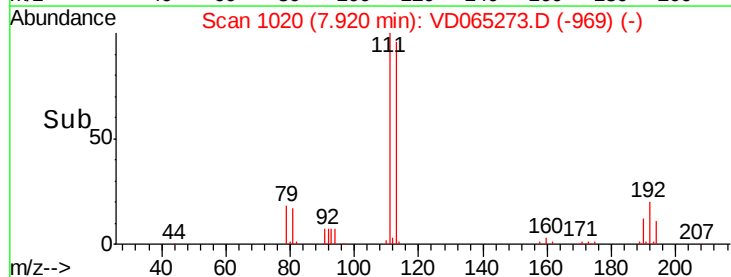
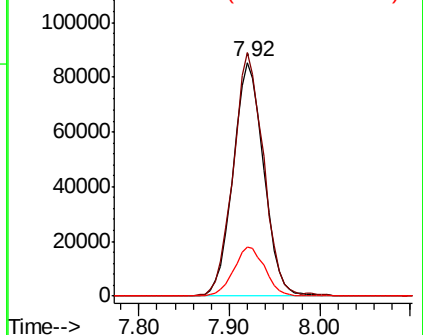


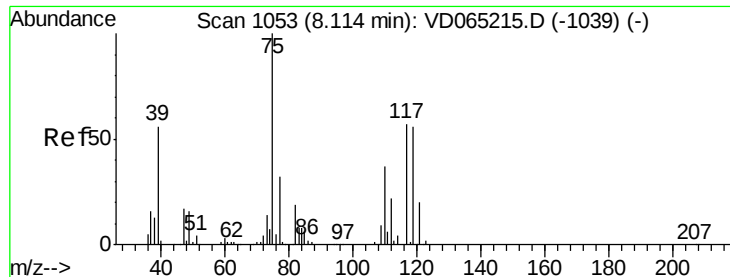
#35
 Dibromofluoromethane
 Concen: 55.012 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065273.D
 Acq: 21 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	21.4	17.3	25.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.364 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

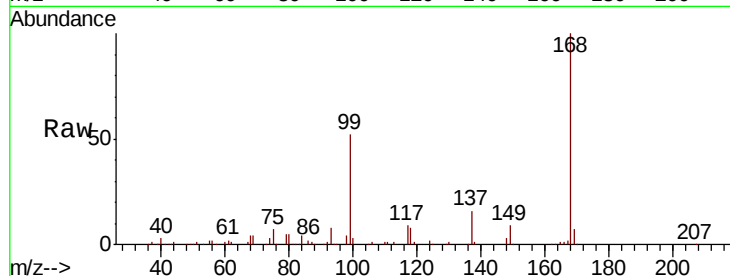
Tot Ion: 75 Resp: 25400

Ion Ratio Lower Upper

75 100

110 9.2 17.9 53.7#

77 0.0 25.1 37.7#

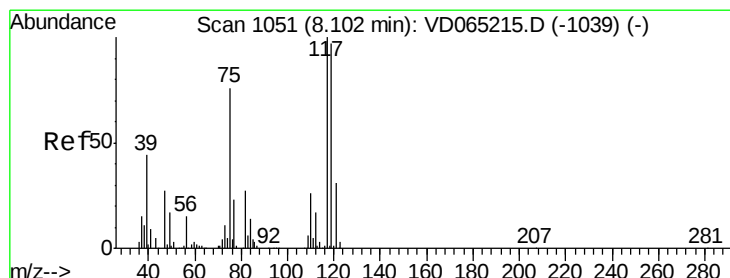
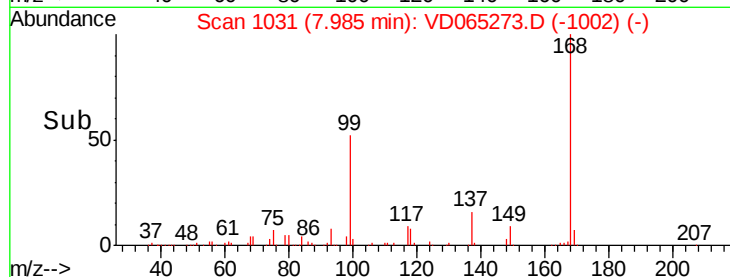


Abundance Ion 74.90 (74.60 to 75.60): VD065215.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD065215.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD065215.D (-1039) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.808 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

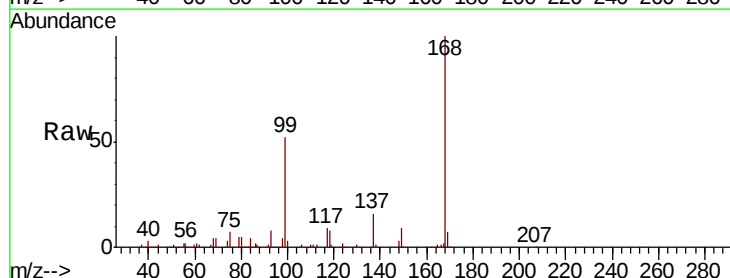
Tgt Ion: 117 Resp: 34417

Ion Ratio Lower Upper

117 100

119 5.5 77.6 116.4#

121 0.0 24.8 37.2#

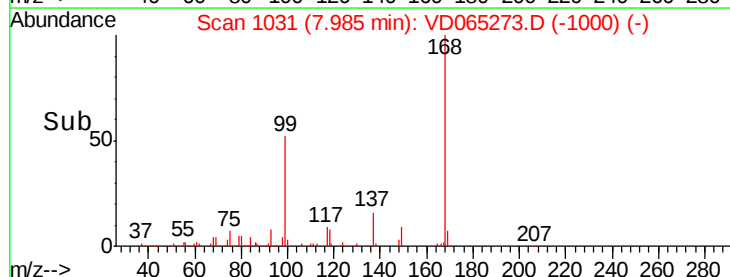


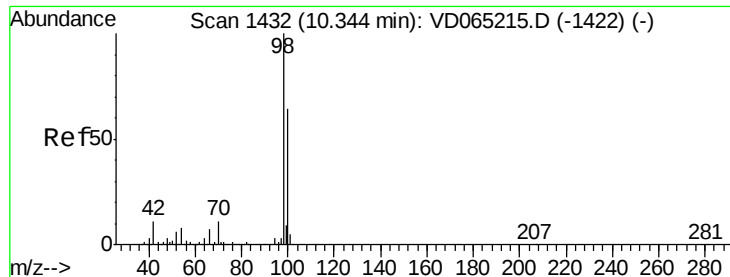
Abundance Ion 116.80 (116.50 to 117.50): VD065215.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD065215.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD065215.D (-1039) (-)

Time-->

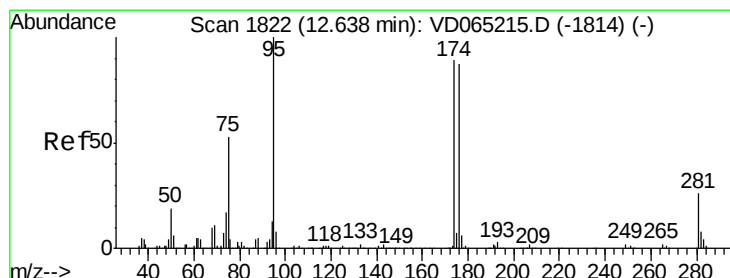
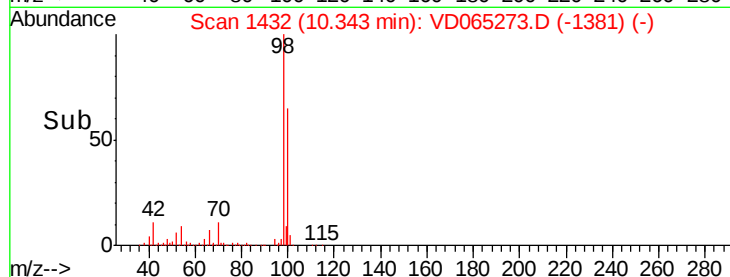
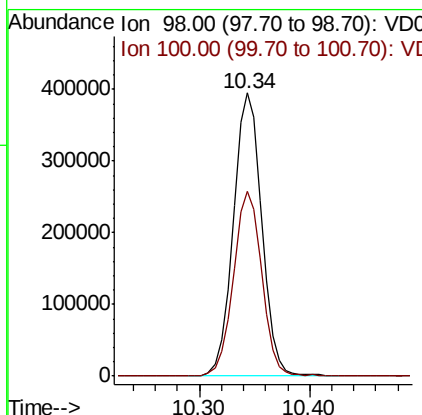
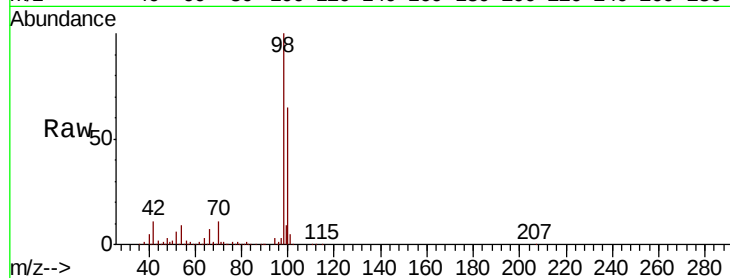




#50
Toluene-d8
Concen: 51.264 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

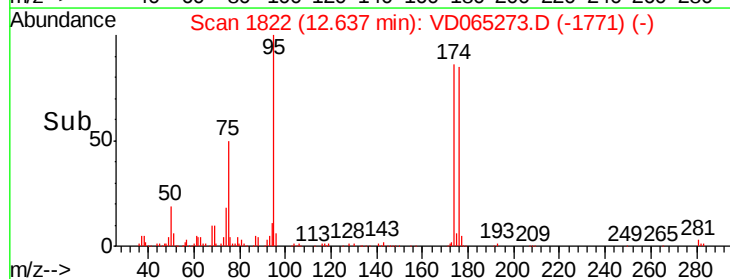
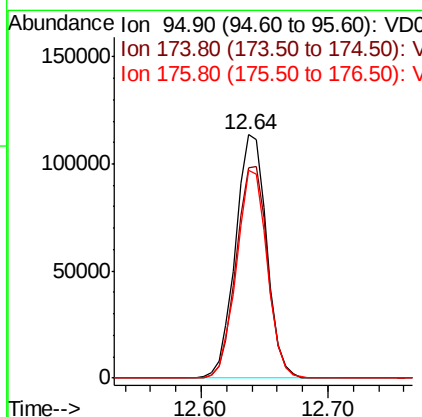
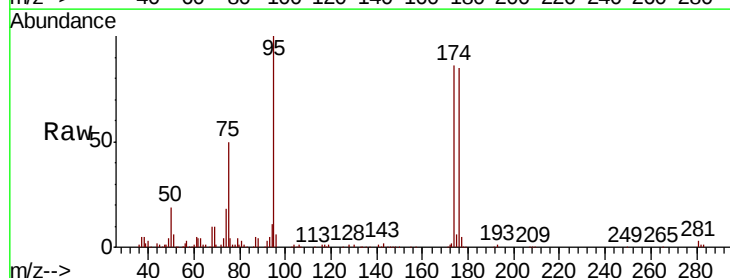
Instrument :
MSVOA_D
ClientSampleId :

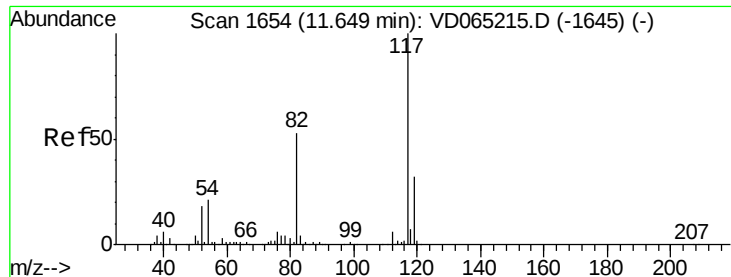
Tot Ion: 98 Resp: 714858
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.725 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

Tgt Ion: 95 Resp: 193155
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.0
176 84.0 0.0 174.4

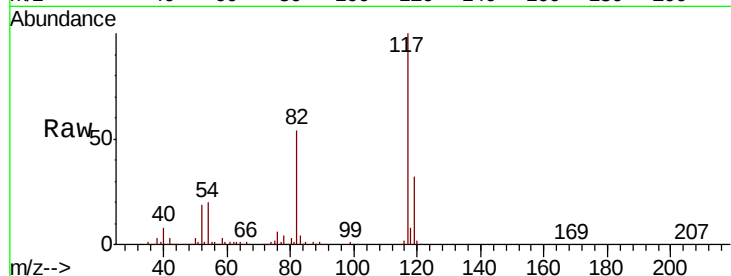




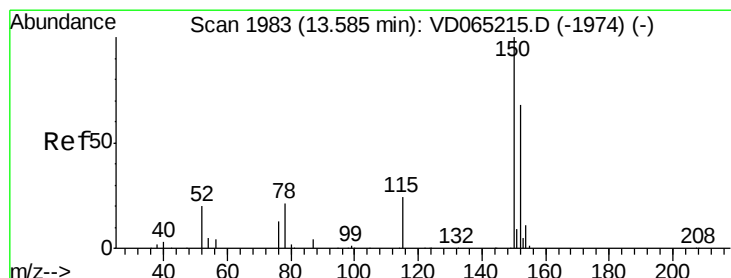
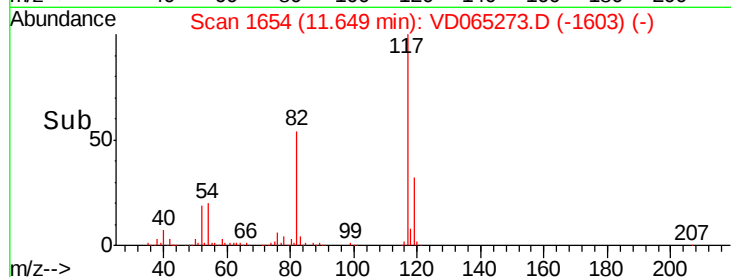
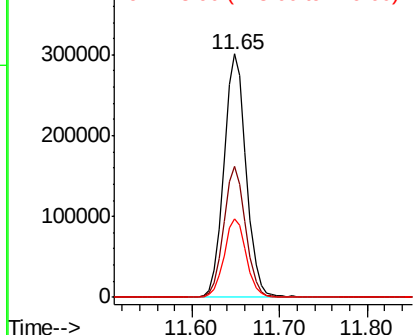
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 523804
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 32.4 25.5 38.3

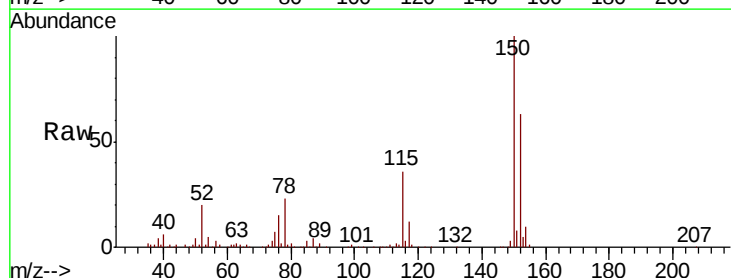


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

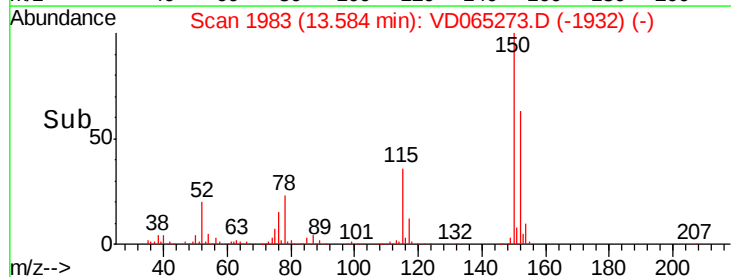
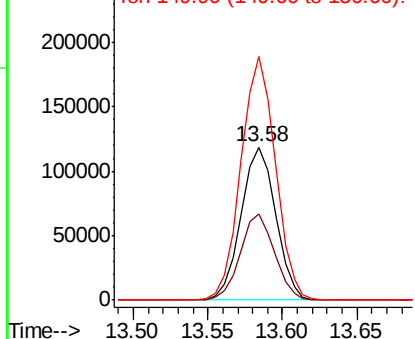


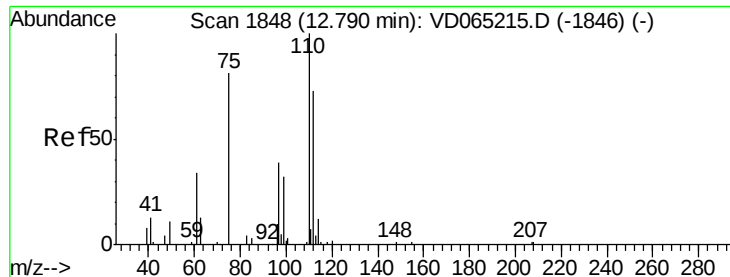
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065273.D
Acq: 21 Feb 2020 14:10

Tgt Ion:152 Resp: 191396
Ion Ratio Lower Upper
152 100
115 55.4 27.6 82.8
150 157.8 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: 58.317 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

Instrument :

MSVOA_D

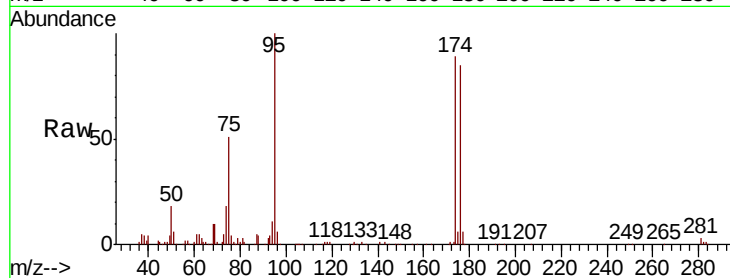
ClientSampleId :

Tot Ion: 75 Resp: 94967

Ion Ratio Lower Upper

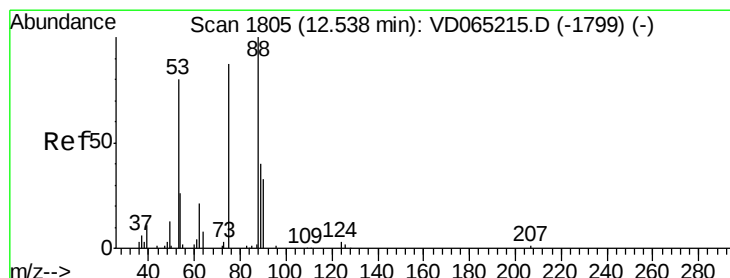
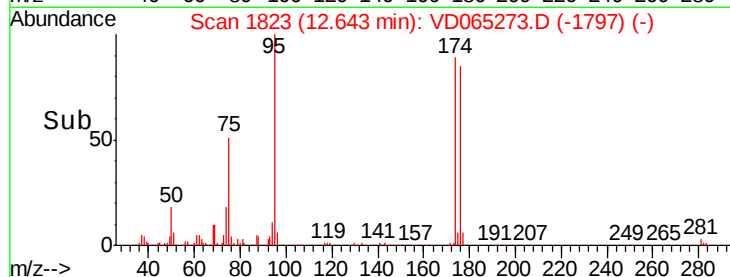
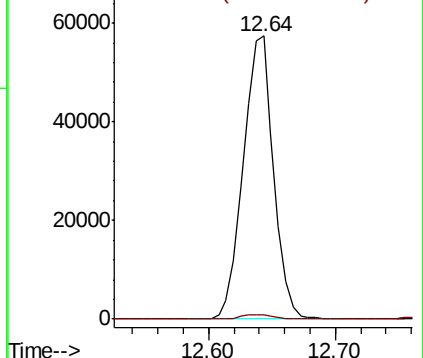
75 100

77 1.5 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: 125.917 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065273.D

Acq: 21 Feb 2020 14:10

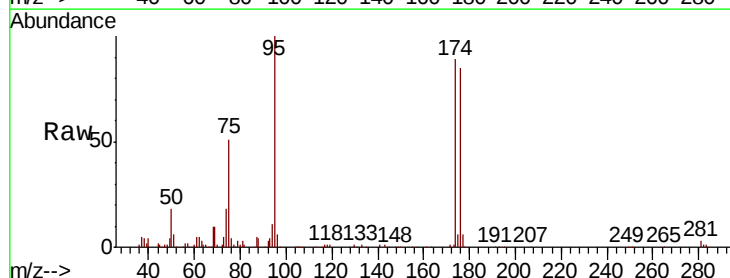
Tgt Ion: 75 Resp: 94967

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 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

