

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065838.D
 Acq On : 19 Jun 2020 19:35
 Operator : VA/SY
 Sample : L3035-08
 Misc : 6.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2-UNIVERISTY-SW-3

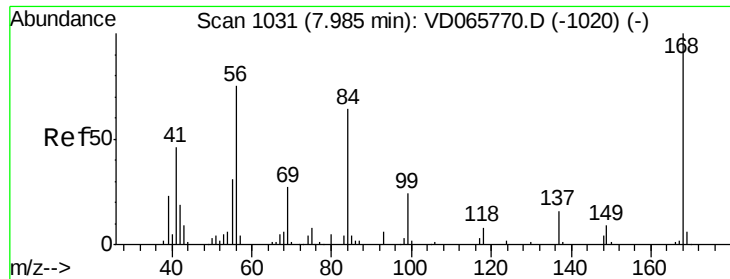
Quant Time: Jun 20 01:28:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	133972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	239804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	216637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	89194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	78469	59.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.54%	
35) Dibromofluoromethane	7.91	113	77601	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	
50) Toluene-d8	10.34	98	276956	49.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	80406	41.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	72	Below Cal	#	43
16) Acetone	4.15	43	478	1.914	ug/l #	47
18) Methyl Acetate	4.70	43	80	Below Cal	#	52
20) Methylene Chloride	4.97	84	11432	4.578	ug/l	91
31) Cyclohexane	7.97	56	3563	1.501	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	11966	5.209	ug/l #	48
38) Carbon Tetrachloride	7.98	117	14579	6.030	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	1478	1.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	46552	67.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	46552	144.998	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

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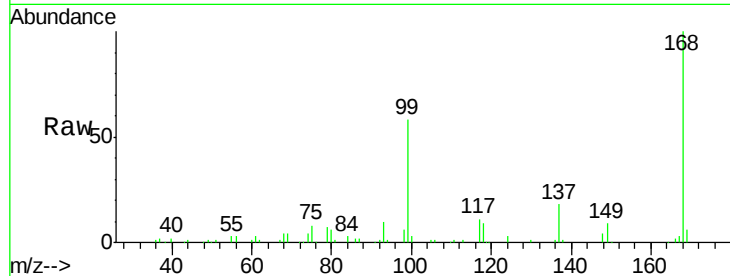
2-UNIVERISTY-SW-3

Tgt Ion:168 Resp: 133972

Ion Ratio Lower Upper

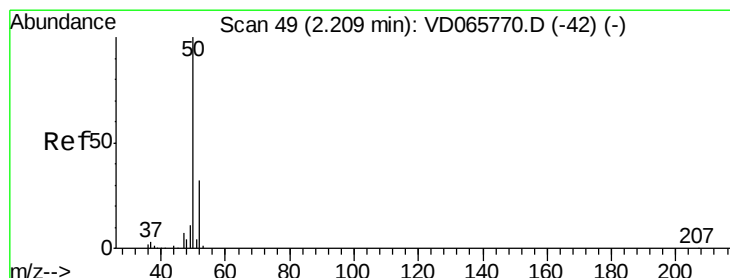
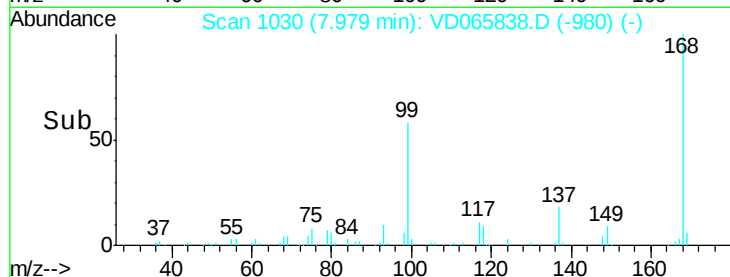
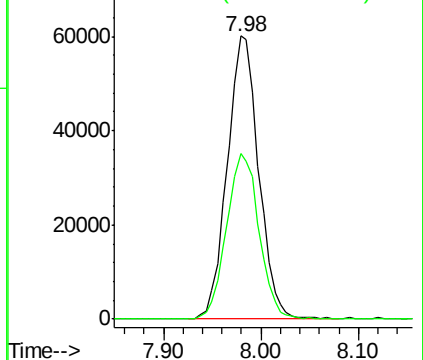
168 100

99 58.4 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065838.D

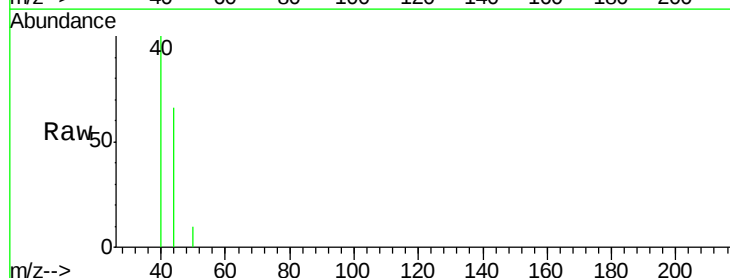
Acq: 19 Jun 2020 19:35

Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

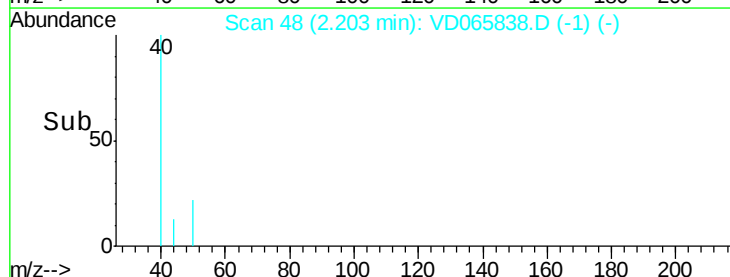
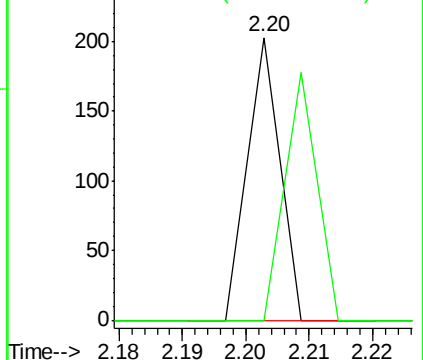
50 100

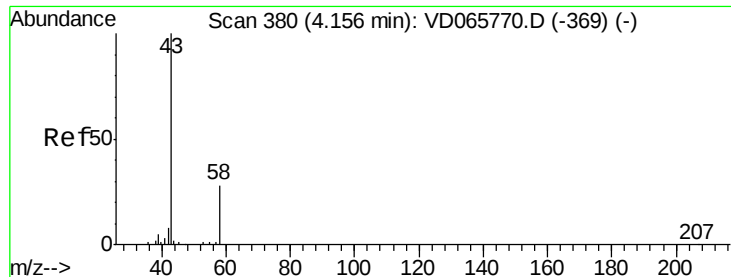
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 1.914 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065838.D

Acq: 19 Jun 2020 19:35

Instrument :

MSVOA_D

ClientSampleId :

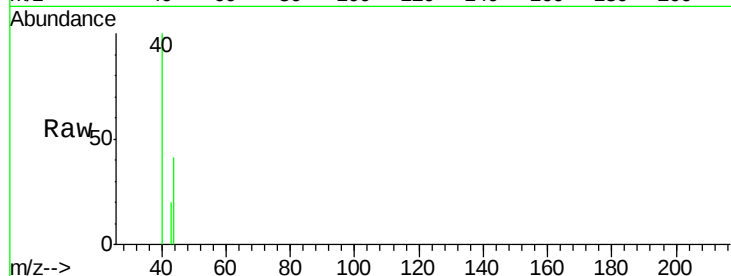
2-UNIVERISTY-SW-3

Tgt Ion: 43 Resp: 478

Ion Ratio Lower Upper

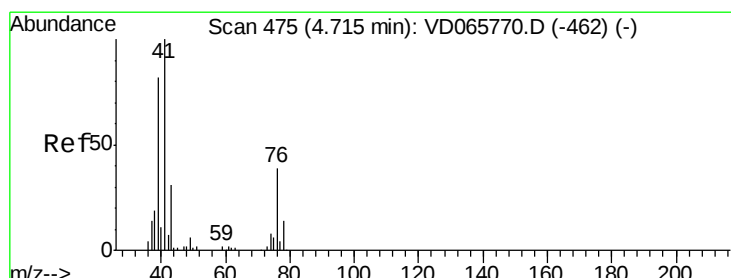
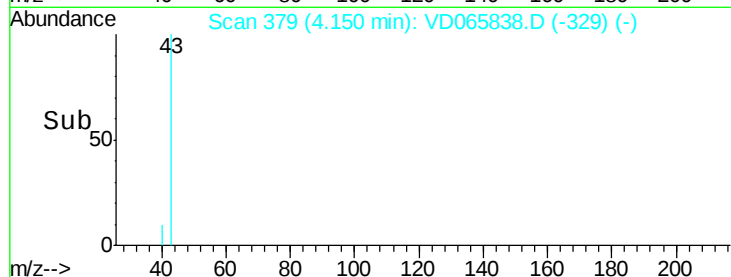
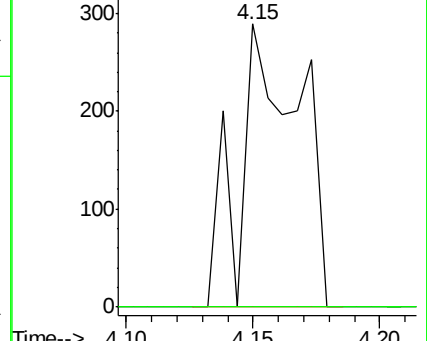
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.70 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD065838.D

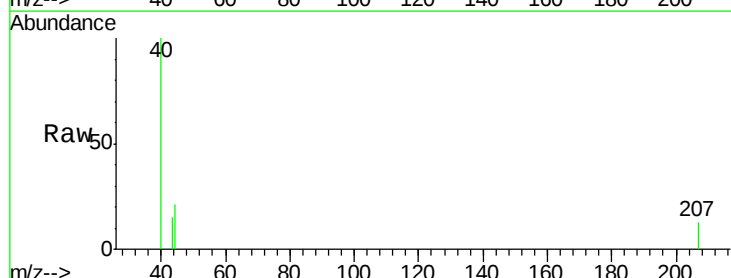
Acq: 19 Jun 2020 19:35

Tgt Ion: 43 Resp: 80

Ion Ratio Lower Upper

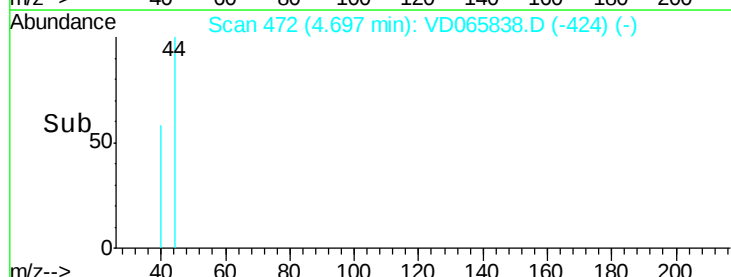
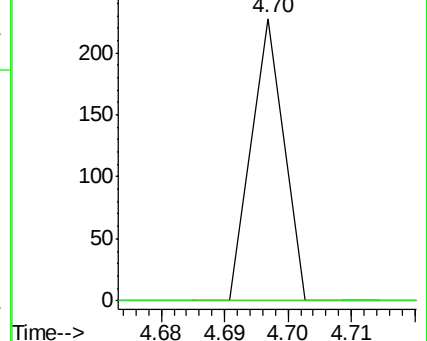
43 100

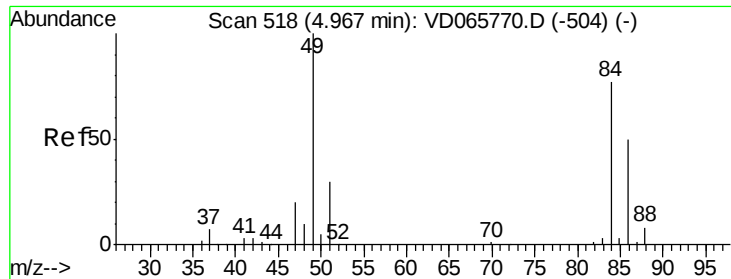
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

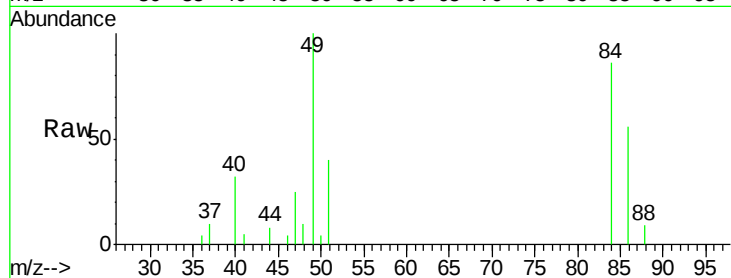




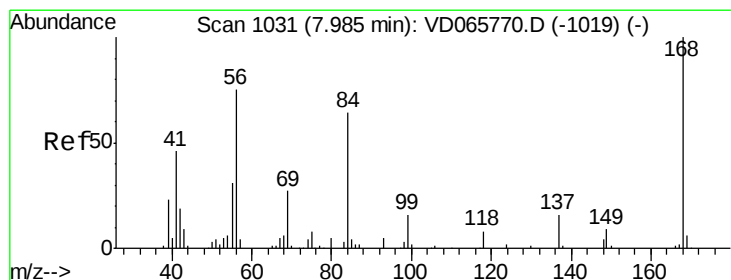
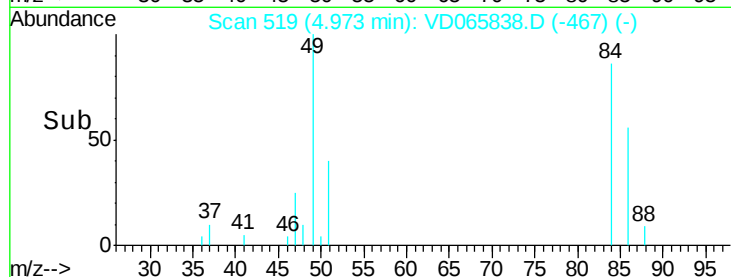
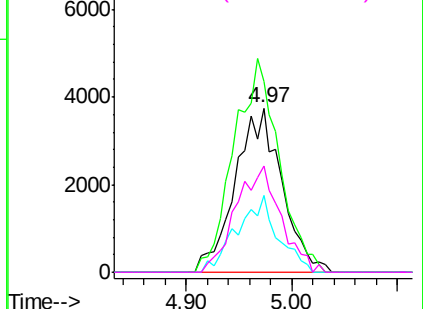
#20
Methylene Chloride
Concen: 4.578 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065838.D
Acq: 19 Jun 2020 19:35

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MSVOA_D
ClientSampleId :
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Tgt Ion: 84 Resp: 11432
Ion Ratio Lower Upper
84 100
49 115.7 103.4 155.0
51 46.6 31.4 47.2
86 64.4 51.7 77.5

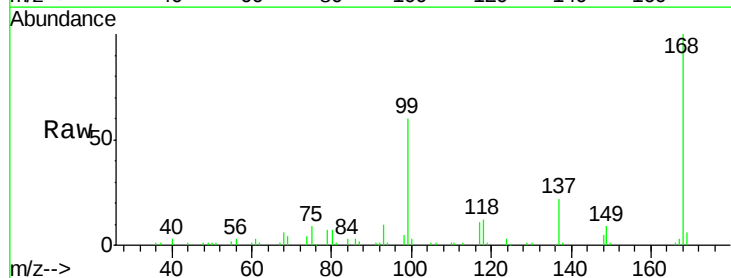


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

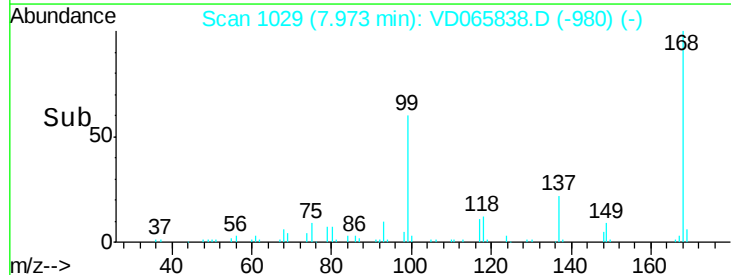
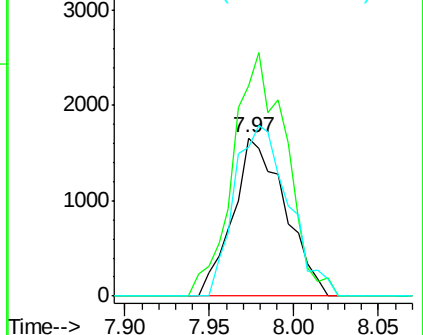


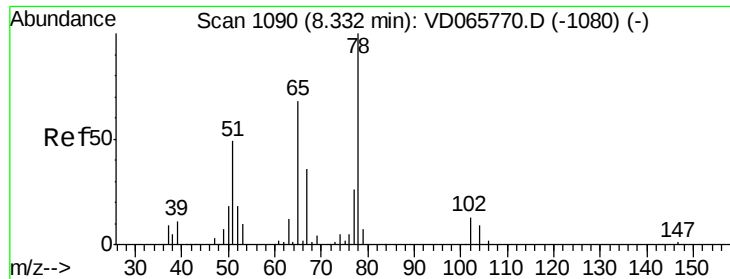
#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065838.D
Acq: 19 Jun 2020 19:35

Tgt Ion: 56 Resp: 3563
Ion Ratio Lower Upper
56 100
69 132.5 28.5 42.7#
84 94.3 68.4 102.6



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

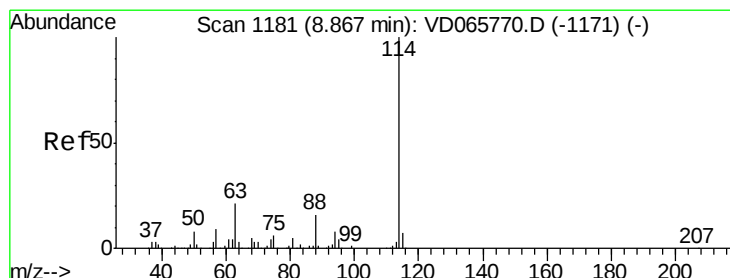
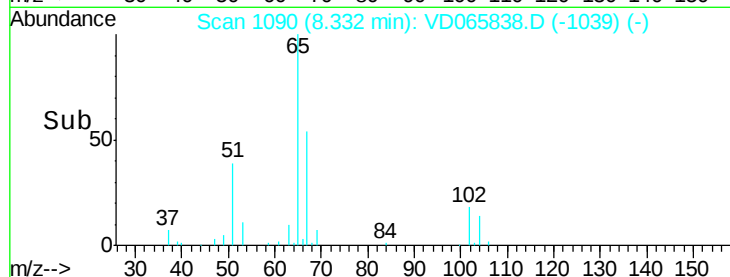
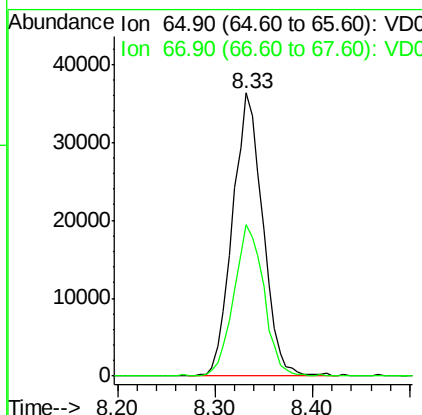
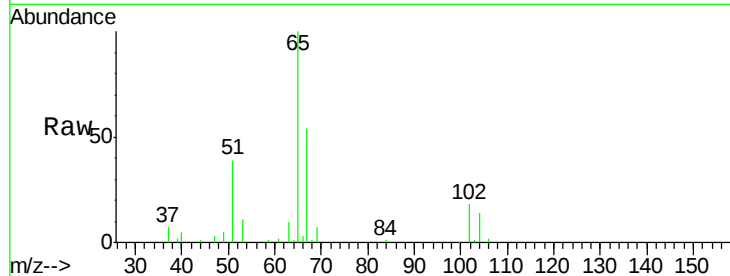




#33
 1,2-Dichloroethane-d4
 Concen: 59.275 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

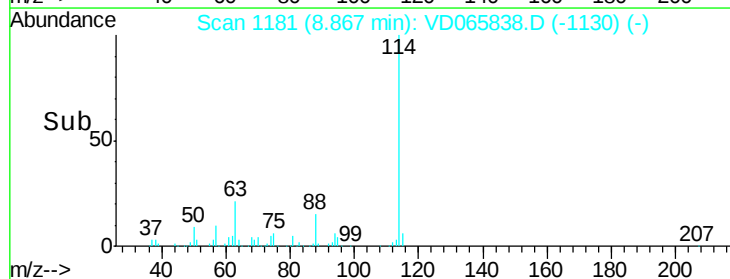
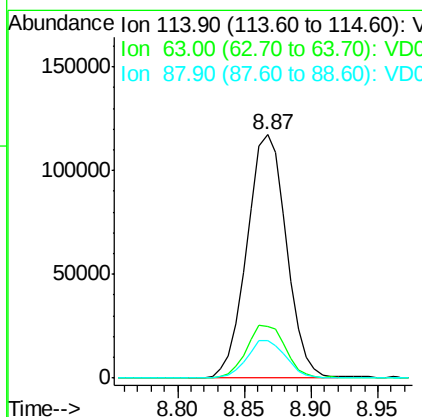
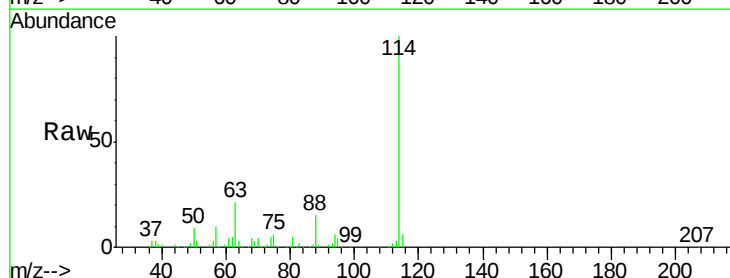
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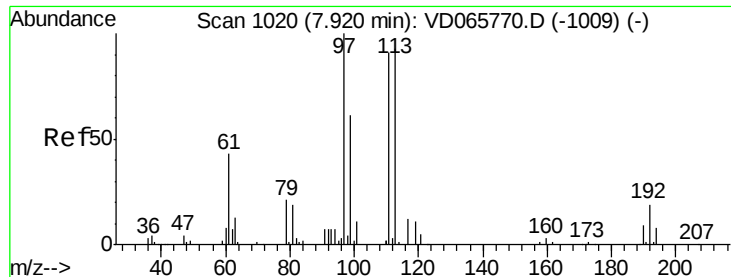
Tgt Ion: 65 Resp: 78469
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

Tgt Ion: 114 Resp: 239804
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.8
 88 15.2 0.0 32.0

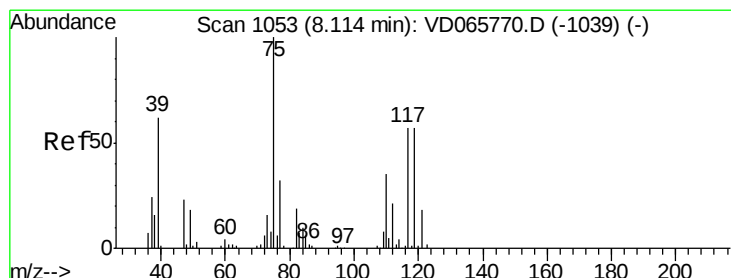
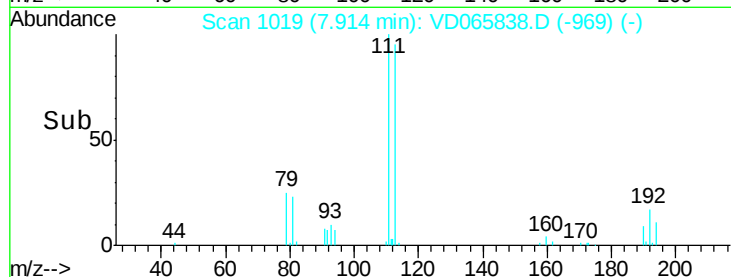
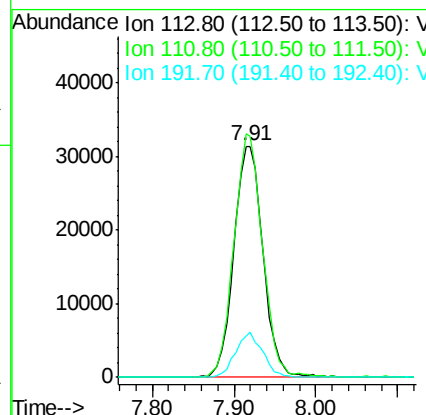
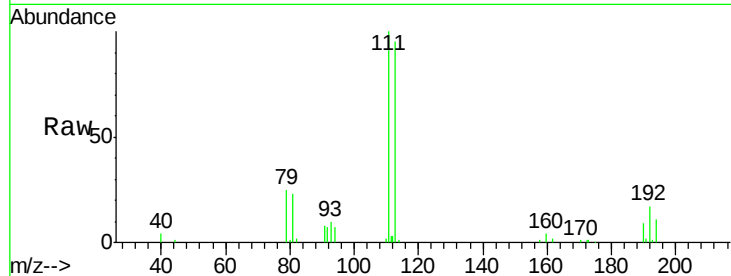




#35
 Dibromofluoromethane
 Concen: 51.230 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

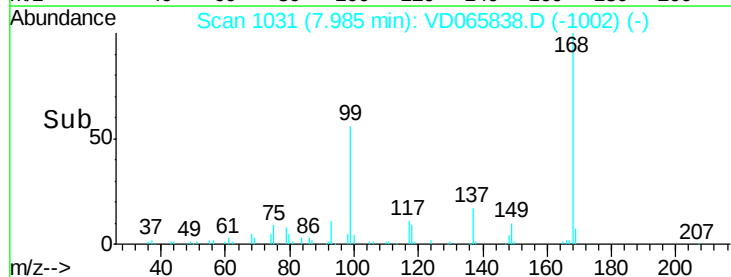
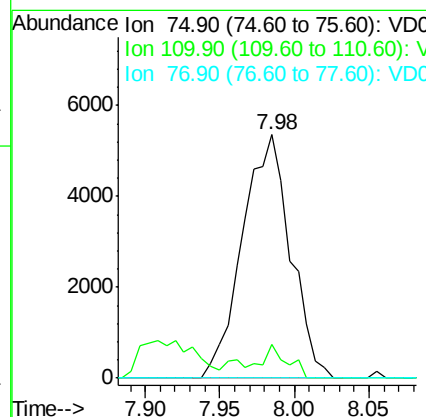
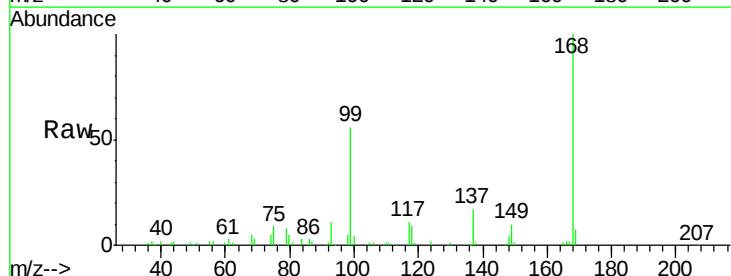
Instrument :
 MSVOA_D
 ClientSampleId :
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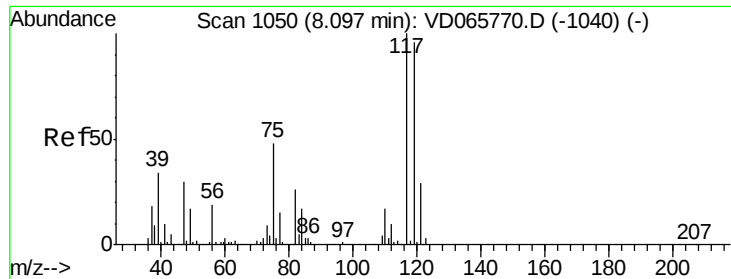
Tgt Ion: 113 Resp: 77601
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 18.1 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.209 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

Tgt Ion: 75 Resp: 11966
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.6 52.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065838.D

Acq: 19 Jun 2020 19:35

Instrument :

MSVOA_D

ClientSampleId :

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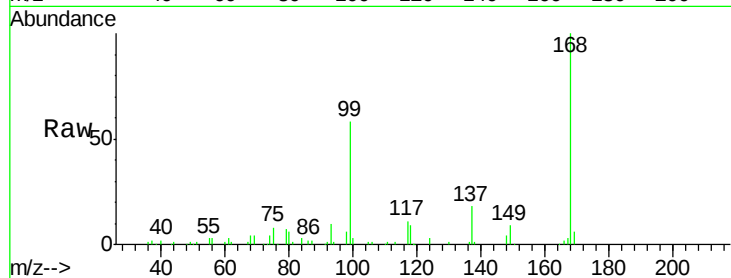
Tgt Ion:117 Resp: 14579

Ion Ratio Lower Upper

117 100

119 7.8 76.8 115.2#

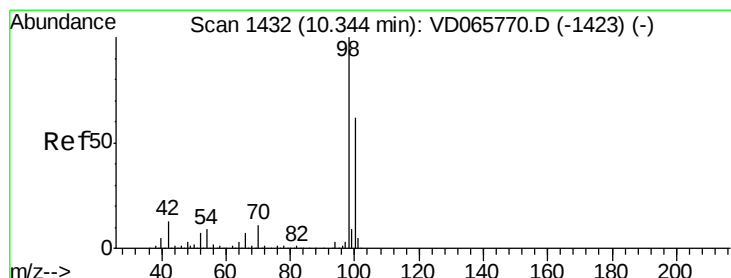
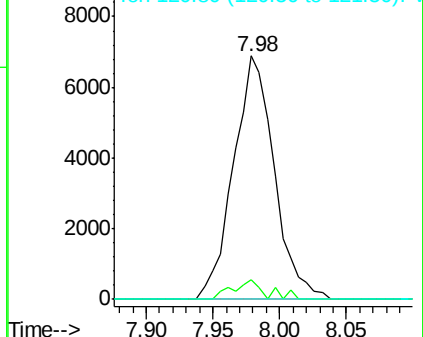
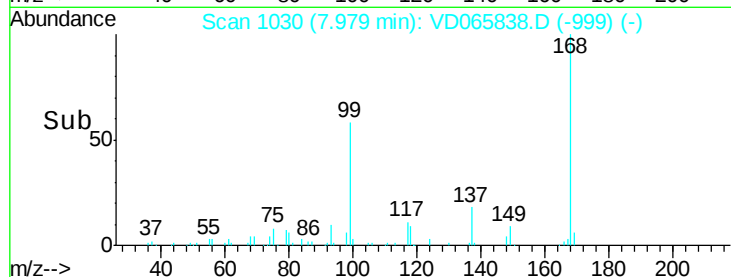
121 0.0 23.4 35.2#



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: 49.033 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065838.D

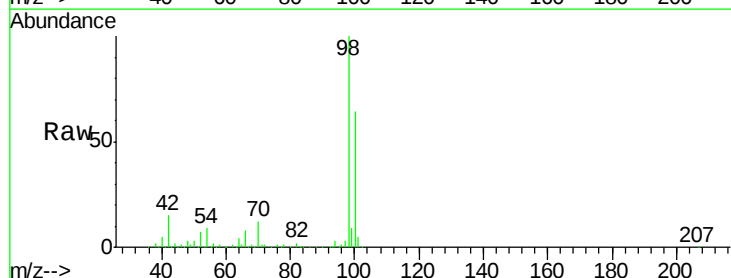
Acq: 19 Jun 2020 19:35

Tgt Ion: 98 Resp: 276956

Ion Ratio Lower Upper

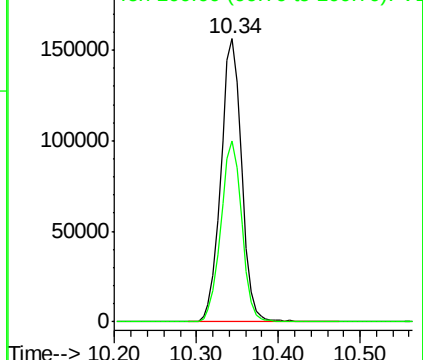
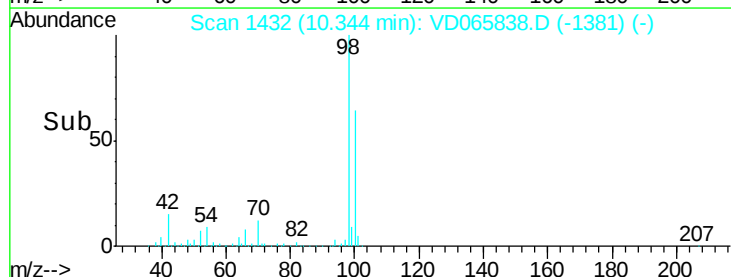
98 100

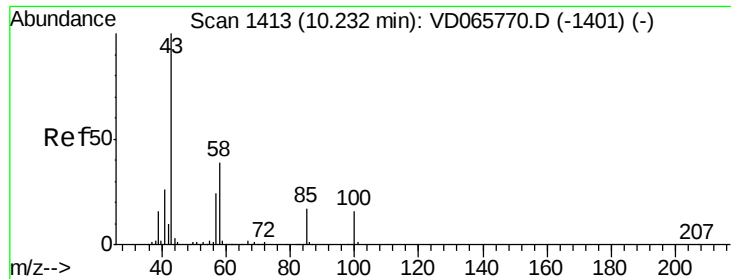
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

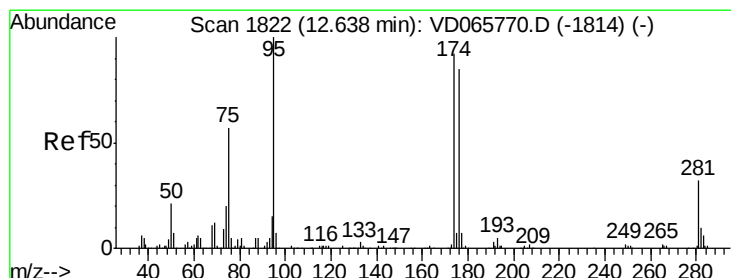
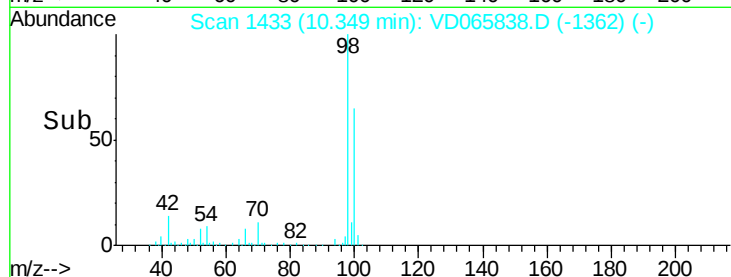
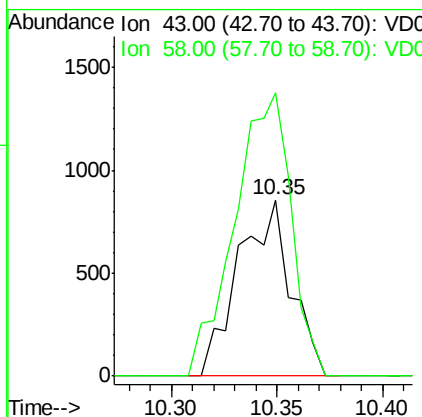
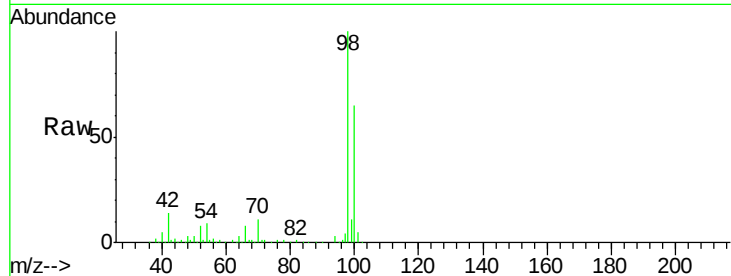




#51
 4-Methyl-2-Pentanone
 Concen: 1.676 ug/l
 RT: 10.35 min Scan# 1433
 Delta R.T. 0.12 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

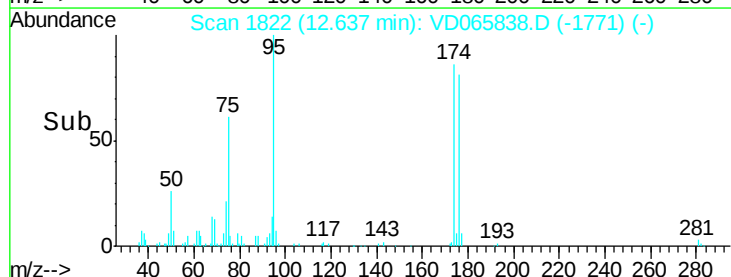
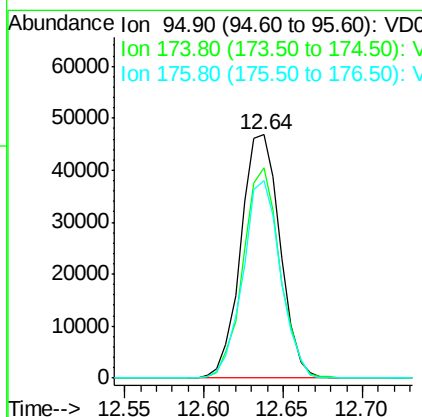
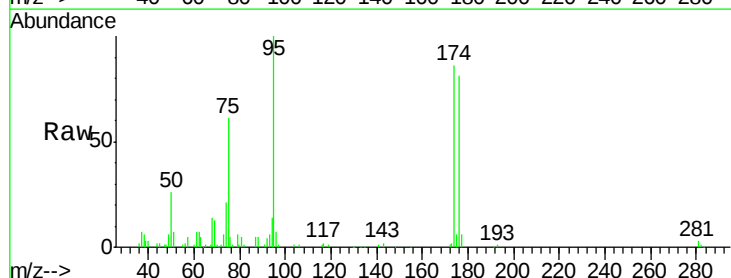
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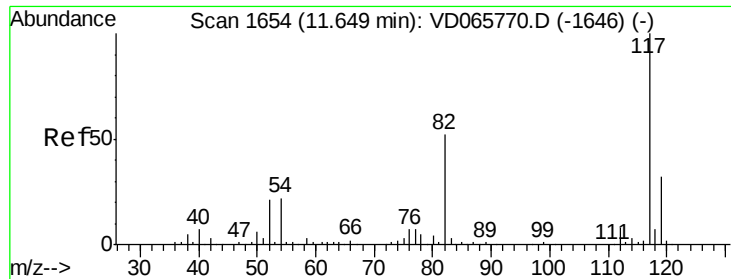
Tgt Ion: 43 Resp: 1478
 Ion Ratio Lower Upper
 43 100
 58 172.9 30.7 46.1#



#62
 4-Bromofluorobenzene
 Concen: 41.976 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

Tgt Ion: 95 Resp: 80406
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 175.2
 176 77.3 0.0 163.0

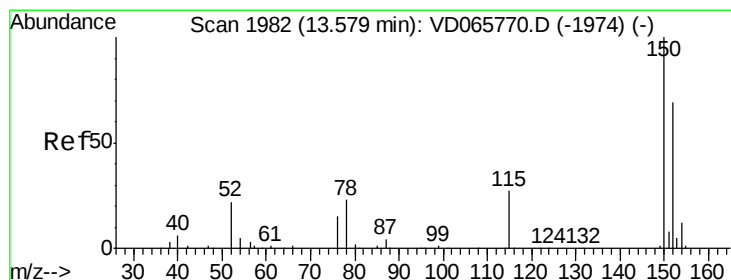
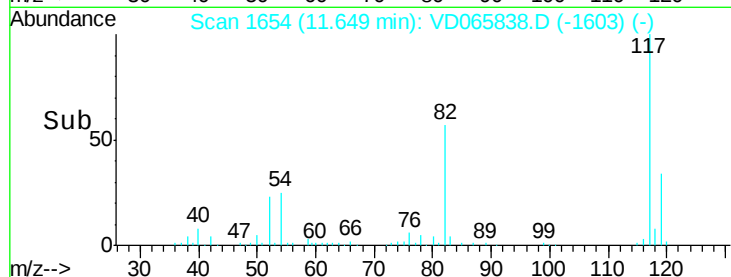
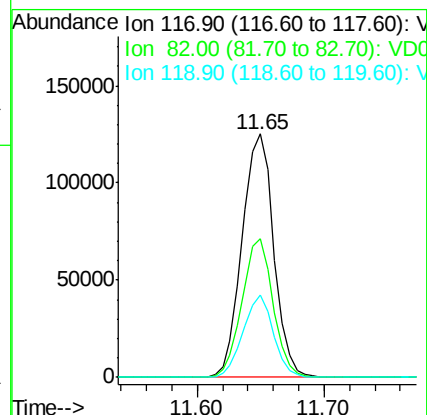
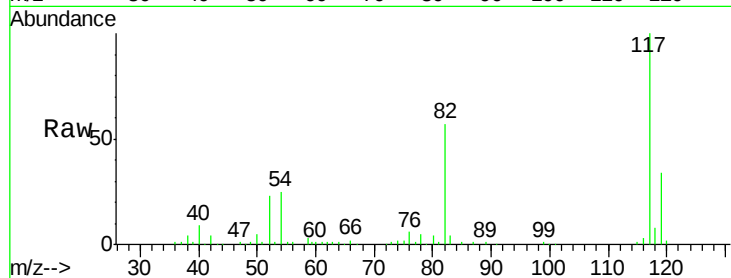




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065838.D
Acq: 19 Jun 2020 19:35

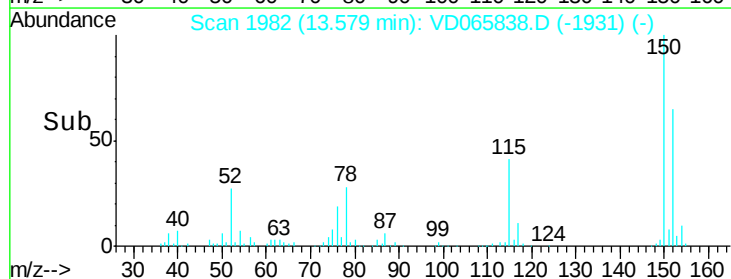
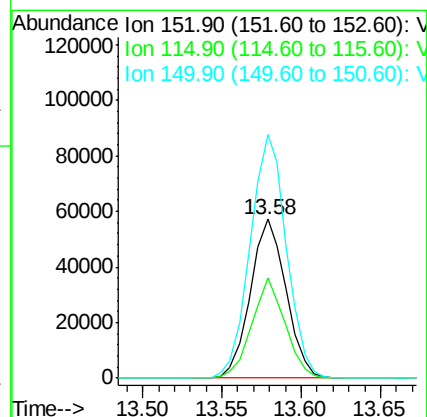
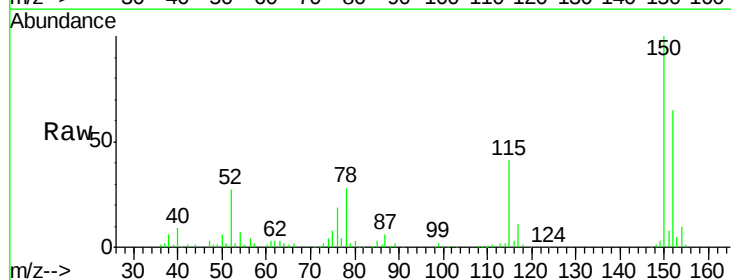
Instrument :
MSVOA_D
ClientSampleId :
2-UNIVERISTY-SW-3

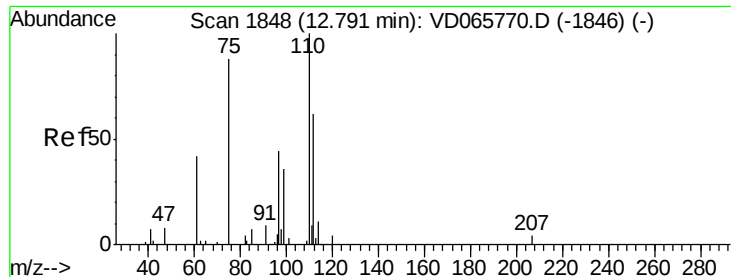
Tgt Ion:117 Resp: 216637
Ion Ratio Lower Upper
117 100
82 57.0 41.9 62.9
119 33.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065838.D
Acq: 19 Jun 2020 19:35

Tgt Ion:152 Resp: 89194
Ion Ratio Lower Upper
152 100
115 58.9 28.7 86.1
150 155.7 0.0 348.0

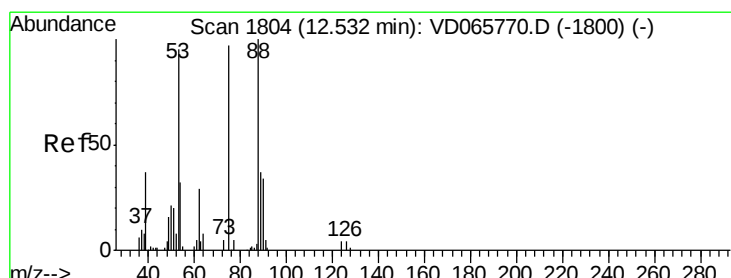
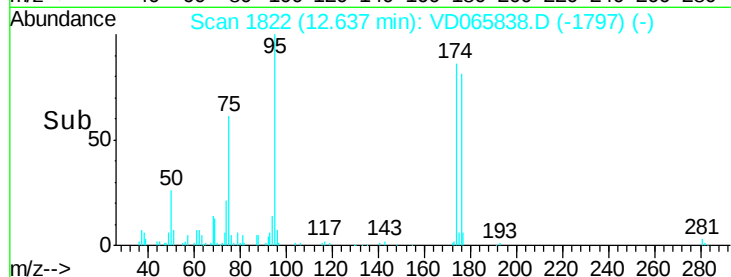
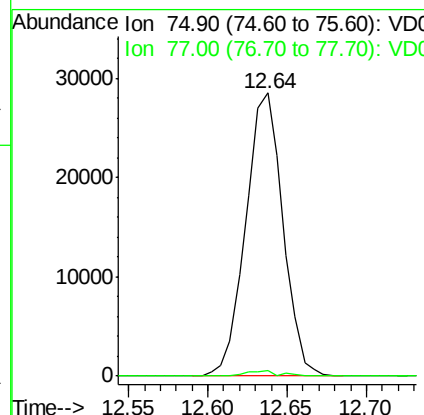
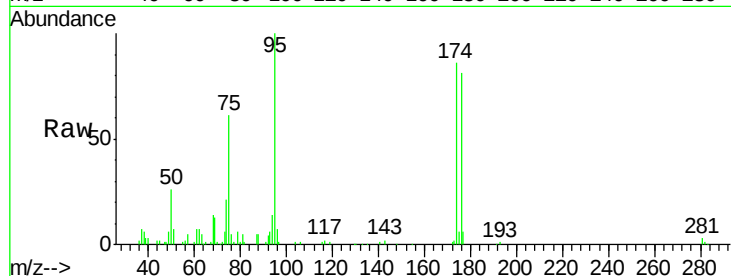




#76
 1,2,3-Trichloropropane
 Concen: 67.109 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 2-UNIVERISTY-SW-3

Tgt Ion: 75 Resp: 46552
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.998 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065838.D
 Acq: 19 Jun 2020 19:35

Tgt Ion: 75 Resp: 46552
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.6 123.8#
 89 0.0 35.9 53.9#

