

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065982.D
 Acq On : 21 Jul 2020 16:12
 Operator : VA/SY
 Sample : L3308-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2

Quant Time: Jul 21 17:07:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

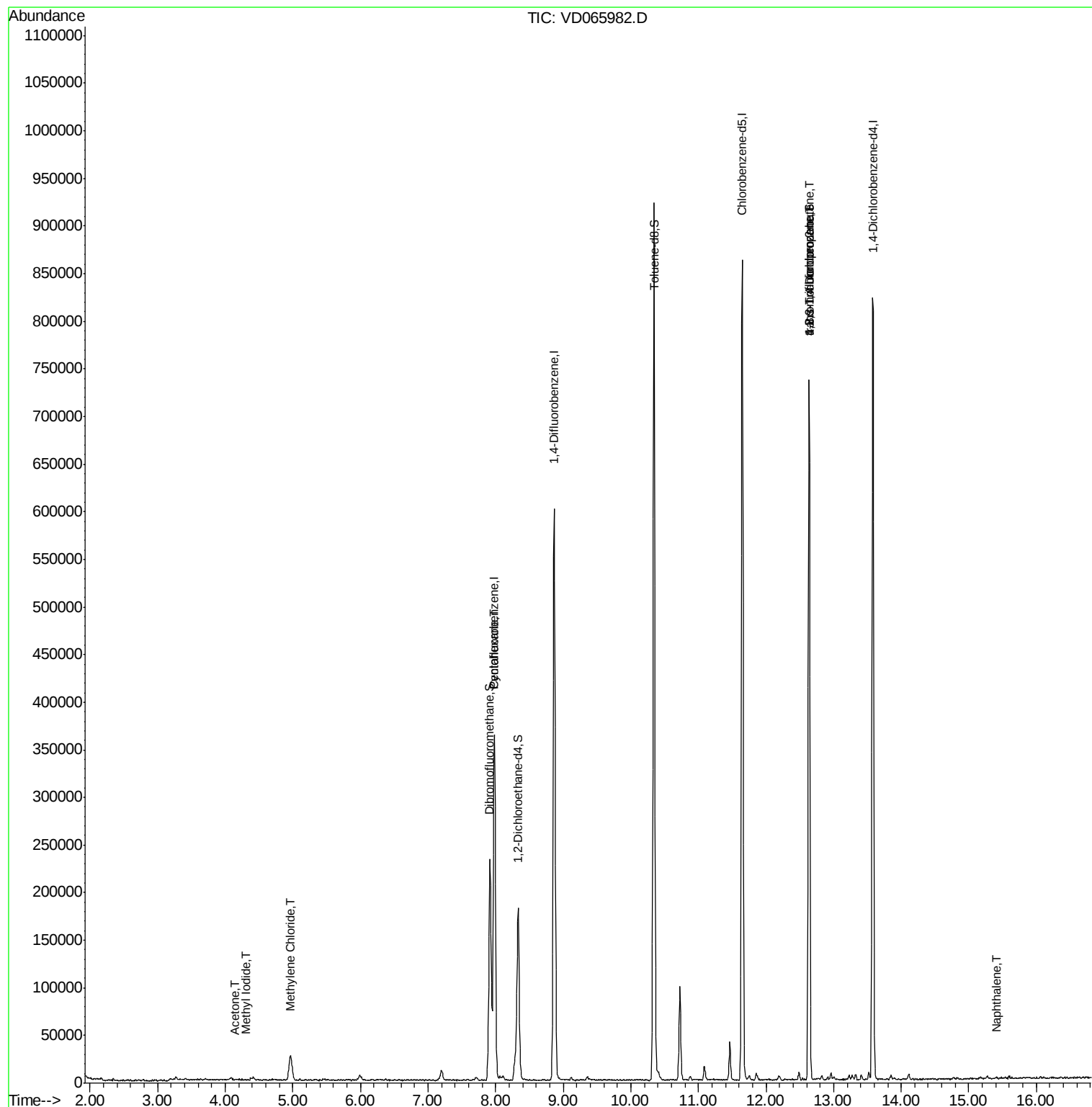
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	297034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	528344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	523012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	141015	58.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.68%	
35) Dibromofluoromethane	7.91	113	164549	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
50) Toluene-d8	10.34	98	624887	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	222999	53.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.74%	
Target Compounds						
5) Bromomethane	2.79	94	358	Below Cal	#	65
10) Methyl Iodide	4.30	142	423	8.947 ug/l	#	42
11) Tert butyl alcohol	5.23	59	121	Below Cal	#	83
16) Acetone	4.15	43	787	1.609 ug/l		99
20) Methylene Chloride	4.96	84	19559	4.534 ug/l		90
31) Cyclohexane	7.98	56	6416	1.476 ug/l	#	32
76) 1,2,3-Trichloropropane	12.64	75	111663	62.928 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111663	144.398 ug/l	#	11
95) Naphthalene	15.41	128	1111	3.685 ug/l	#	76

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

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065982.D

Acq: 21 Jul 2020 16:12

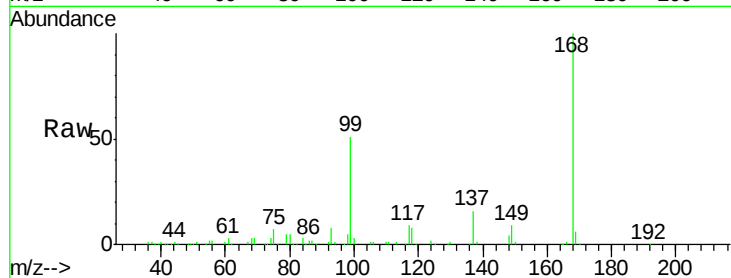
Instrument :
MSVOA_D
ClientSampleId :
2

Tgt Ion: 168 Resp: 297034

Ion Ratio Lower Upper

168 100

99 51.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

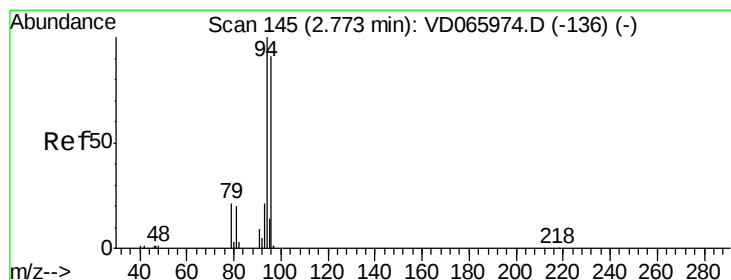
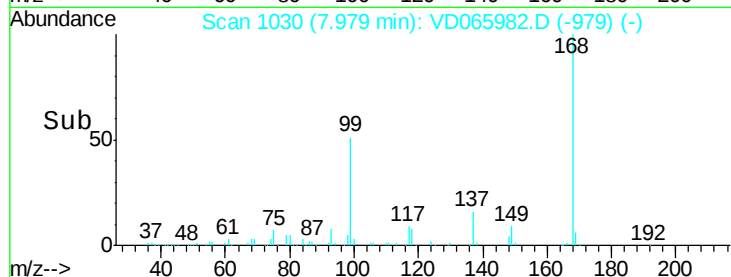
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065982.D

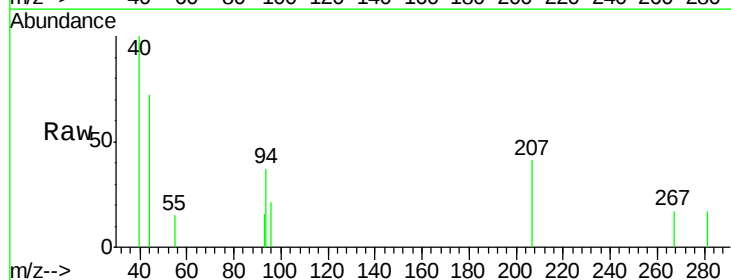
Acq: 21 Jul 2020 16:12

Tgt Ion: 94 Resp: 358

Ion Ratio Lower Upper

94 100

96 57.5 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

500

400

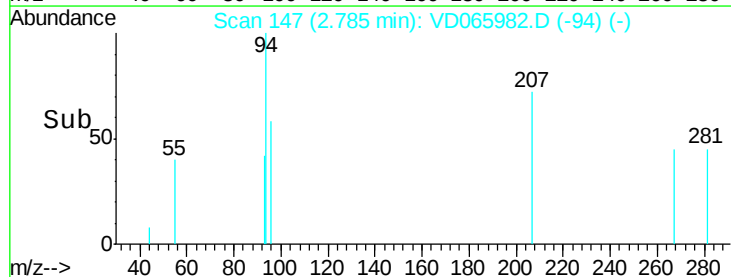
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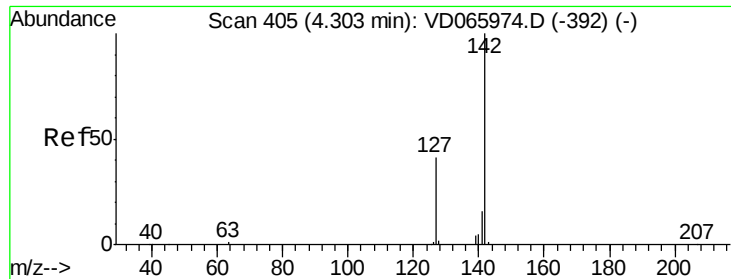
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100

0

Time-->

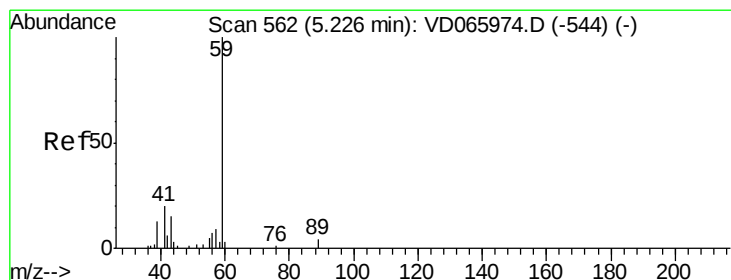
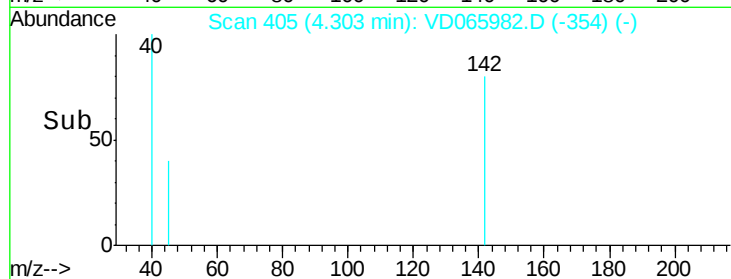
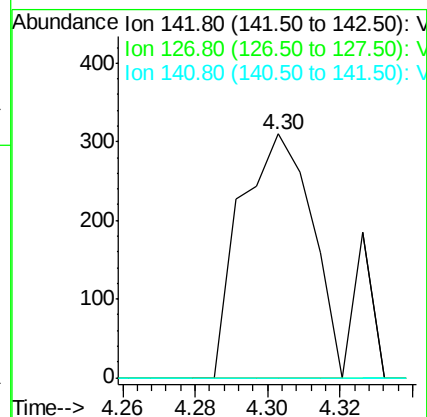
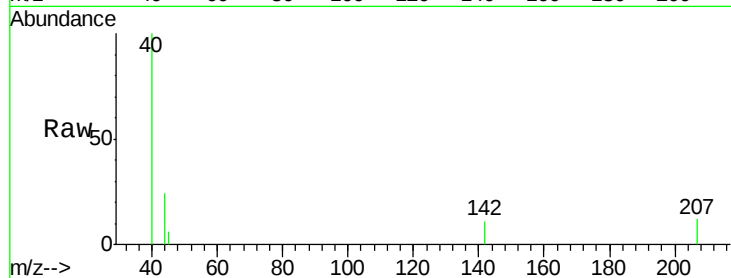




#10
Methyl Iodide
Concen: 8.947 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

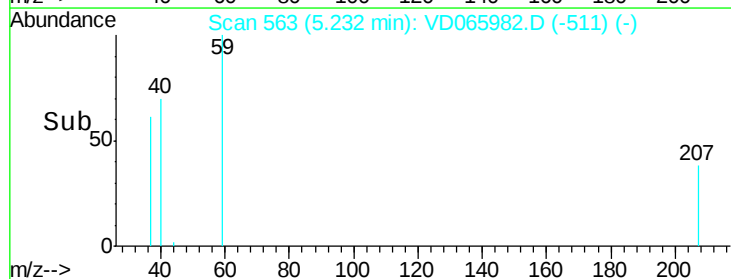
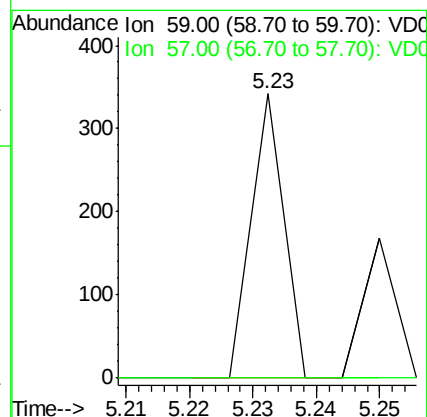
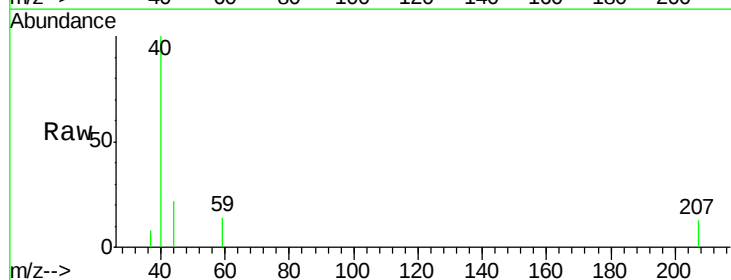
Instrument :
MSVOA_D
ClientSampled :
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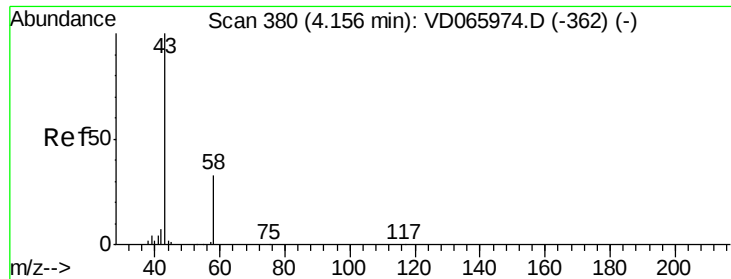
Tgt Ion: 142 Resp: 423
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

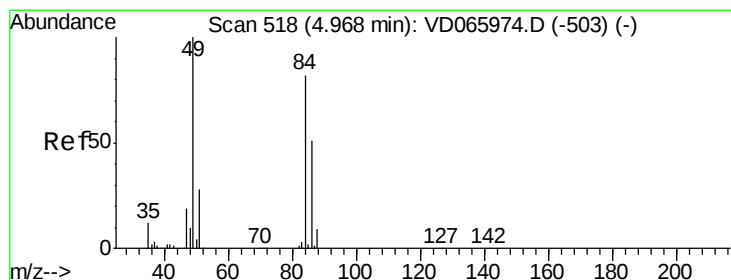
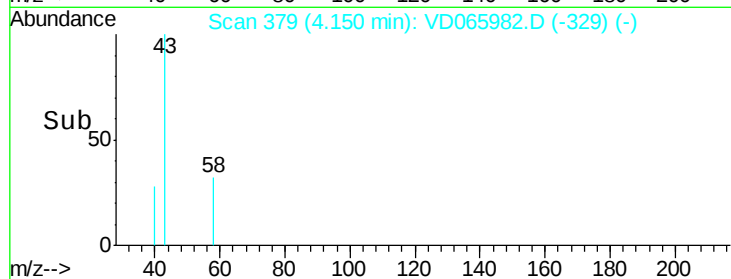
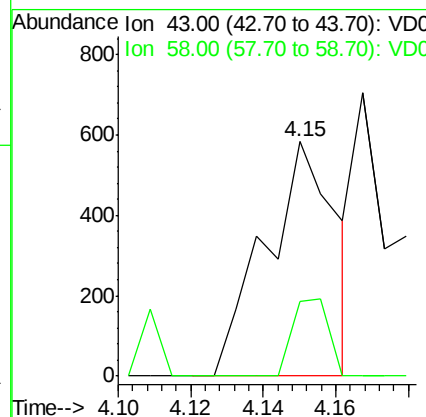
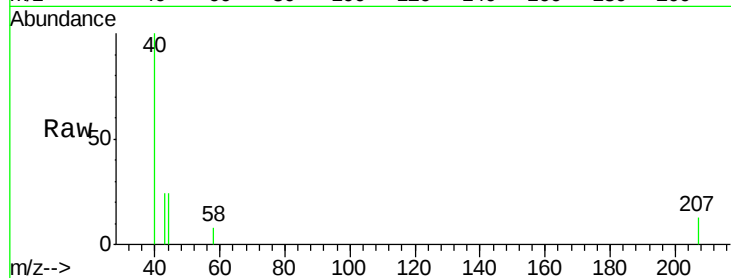




#16
Acetone
Concen: 1.609 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

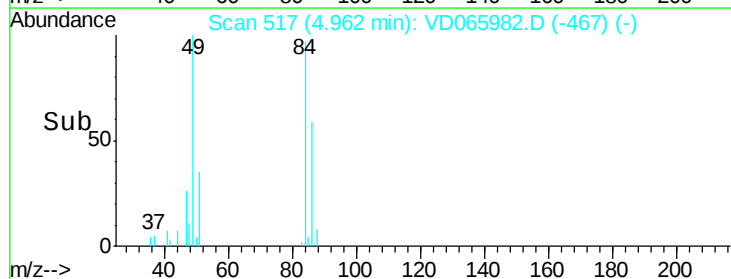
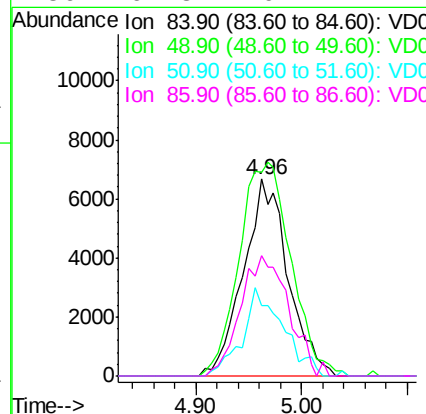
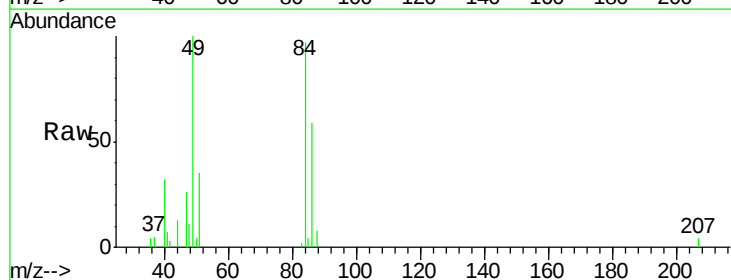
Instrument :
MSVOA_D
ClientSampleId :
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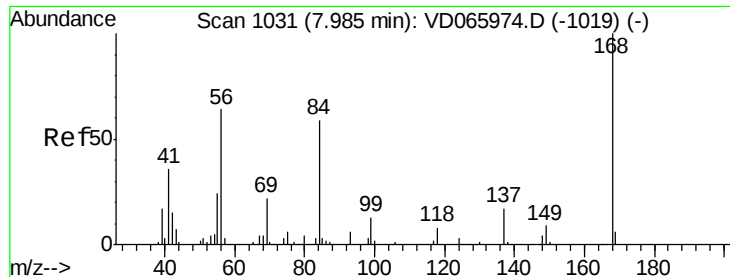
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
58 32.1 26.3 39.5



#20
Methylene Chloride
Concen: 4.534 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Tgt Ion: 84 Resp: 19559
Ion Ratio Lower Upper
84 100
49 103.1 97.7 146.5
51 35.9 27.4 41.2
86 61.3 49.4 74.2

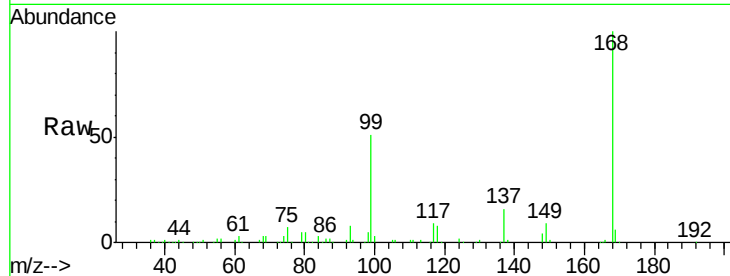




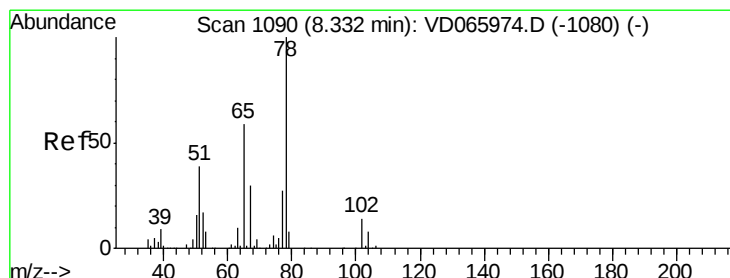
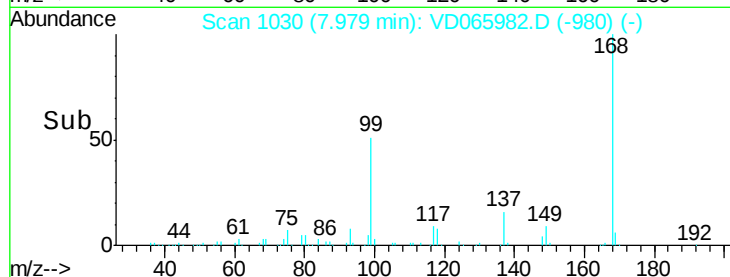
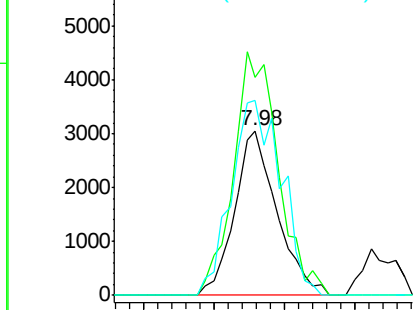
#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Instrument :
MSVOA_D
ClientSampleId :
2

Tgt Ion: 56 Resp: 6416
Ion Ratio Lower Upper
56 100
69 132.3 28.0 42.0#
84 118.4 72.6 109.0#

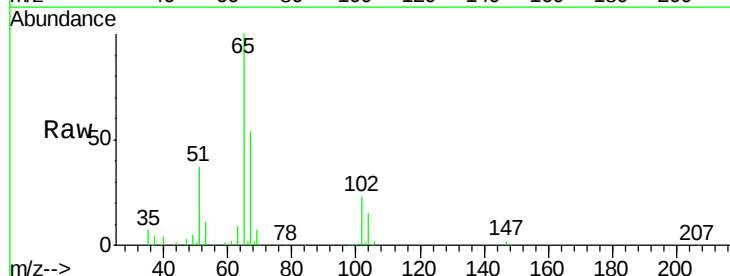


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

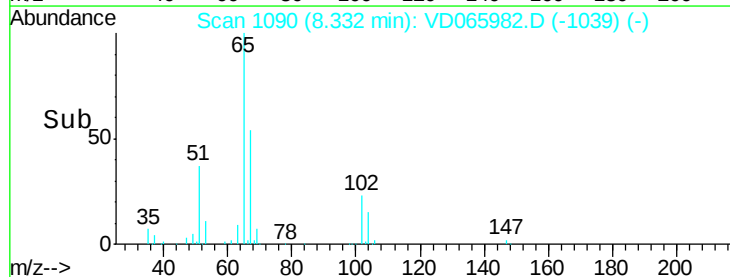
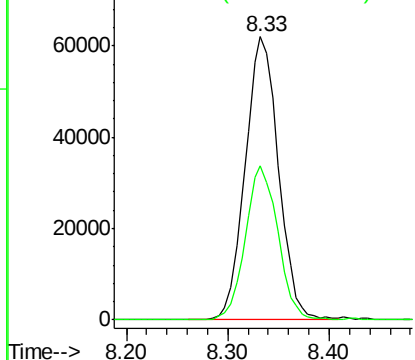


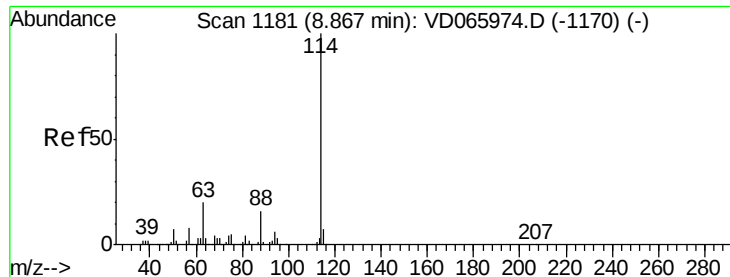
#33
1,2-Dichloroethane-d4
Concen: 58.345 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Tgt Ion: 65 Resp: 141015
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

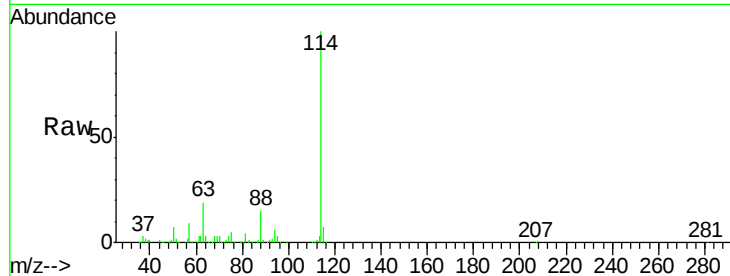




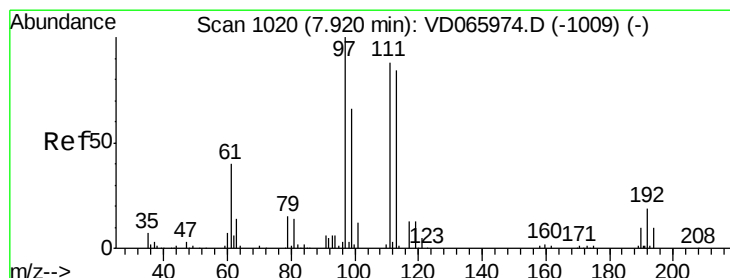
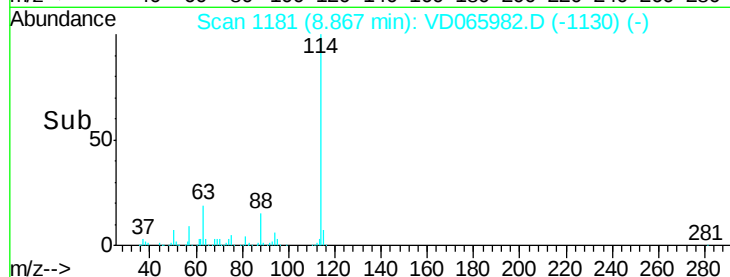
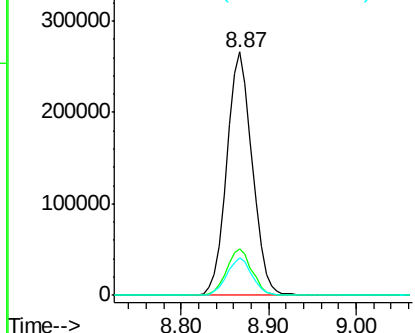
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065982.D
 Acq: 21 Jul 2020 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 2

Tgt Ion:114 Resp: 528344
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 15.3 0.0 31.2

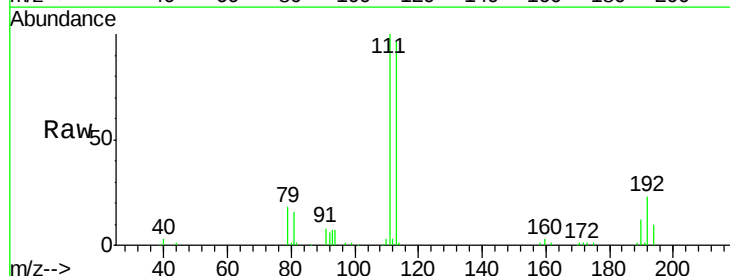


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

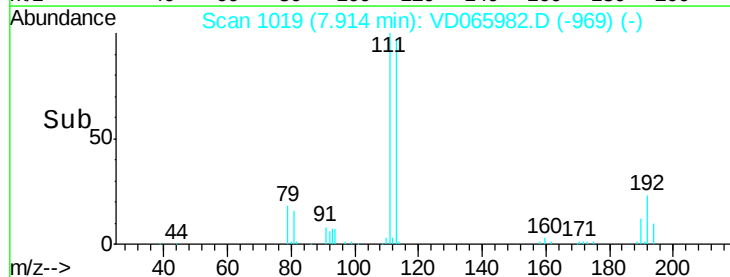
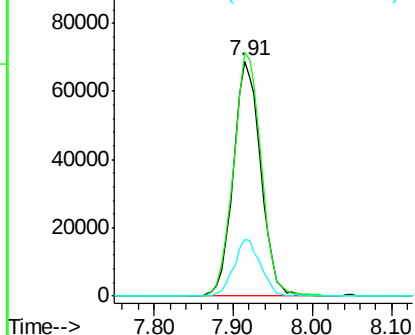


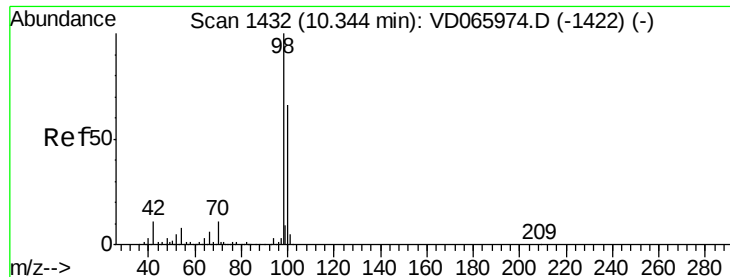
#35
 Dibromofluoromethane
 Concen: 51.348 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065982.D
 Acq: 21 Jul 2020 16:12

Tgt Ion:113 Resp: 164549
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.2 124.8
 192 23.5 18.7 28.1



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

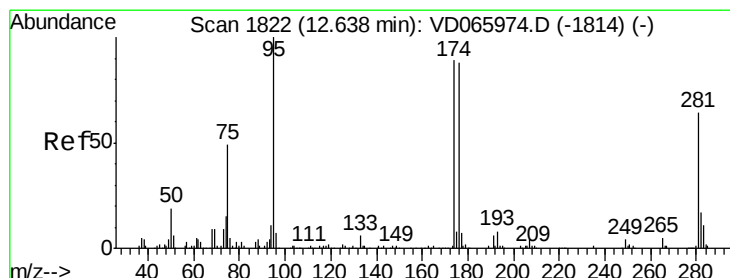
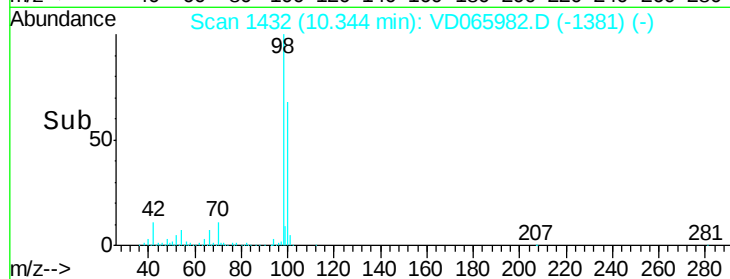
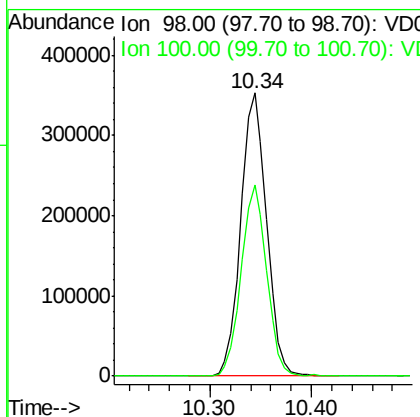
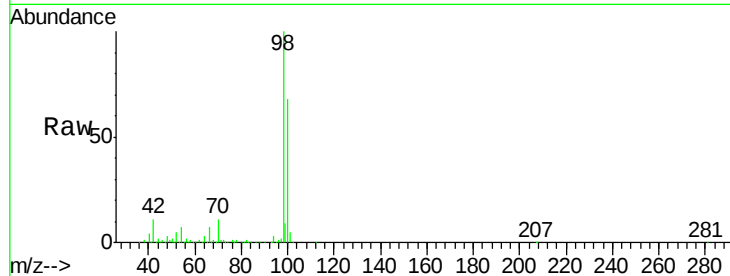




#50
Toluene-d8
Concen: 52.345 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

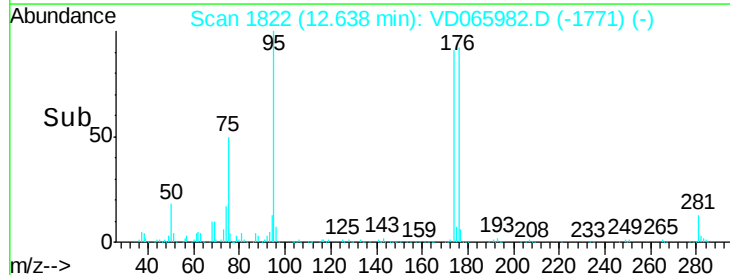
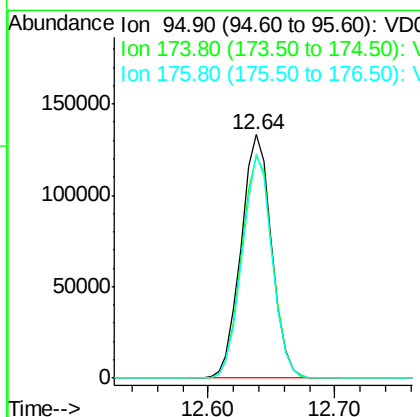
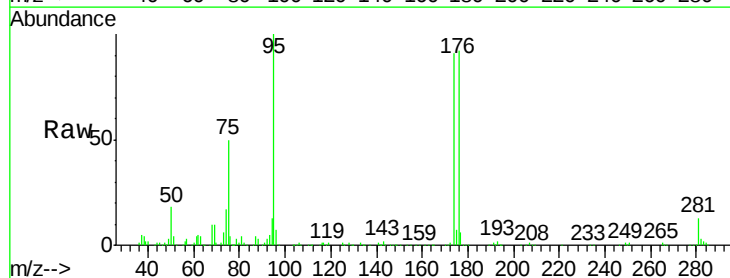
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MSVOA_D
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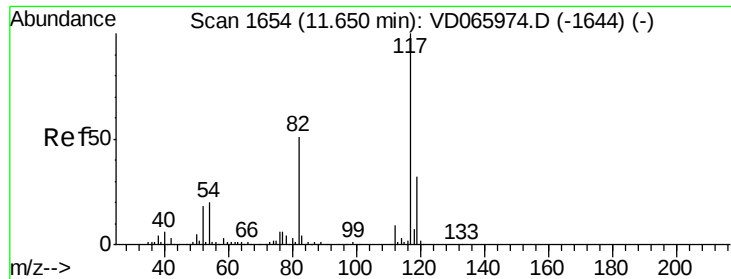
Tgt Ion: 98 Resp: 624887
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 53.873 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Tgt Ion: 95 Resp: 222999
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.8
176 89.7 0.0 172.6

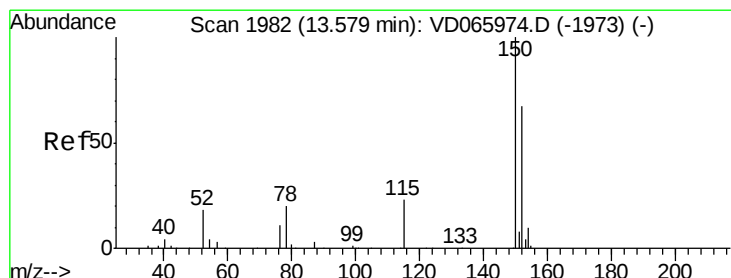
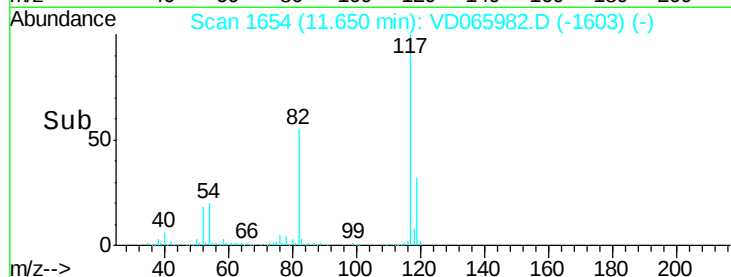
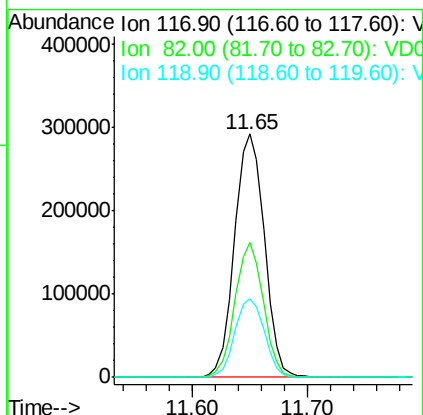
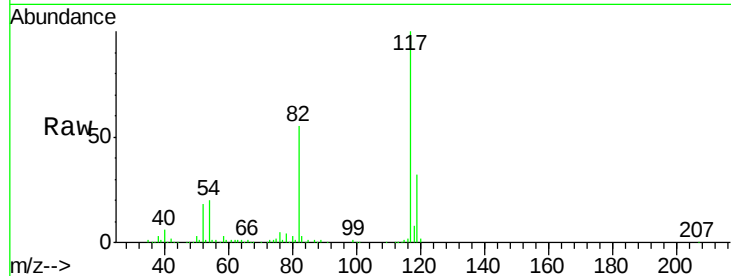




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

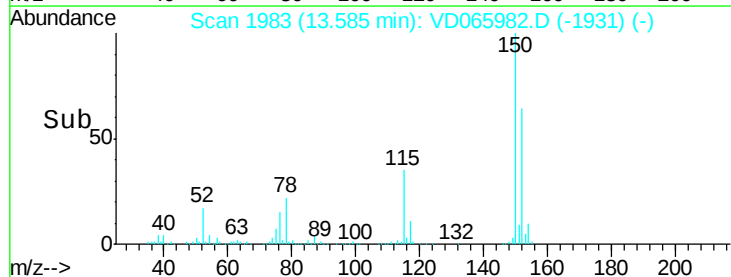
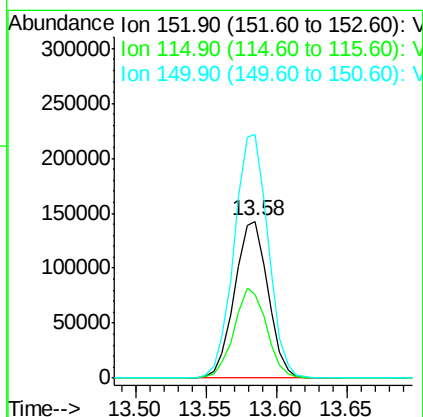
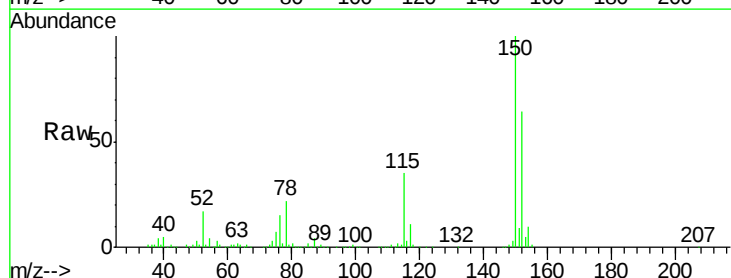
Instrument :
MSVOA_D
ClientSampleId :
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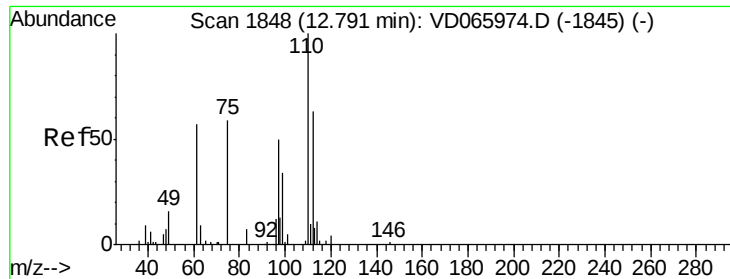
Tgt Ion:117 Resp: 523012
Ion Ratio Lower Upper
117 100
82 55.4 41.1 61.7
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065982.D
Acq: 21 Jul 2020 16:12

Tgt Ion:152 Resp: 235667
Ion Ratio Lower Upper
152 100
115 56.1 27.9 83.7
150 158.0 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 62.928 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065982.D

Acq: 21 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

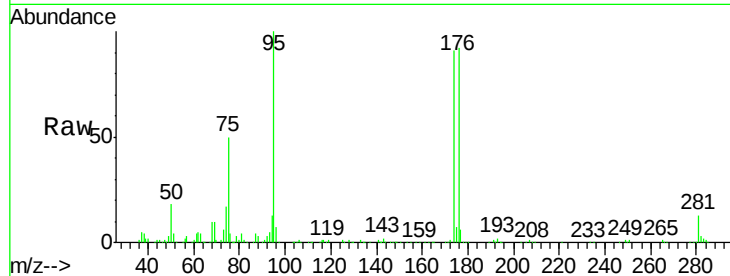
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Tgt Ion: 75 Resp: 111663

Ion Ratio Lower Upper

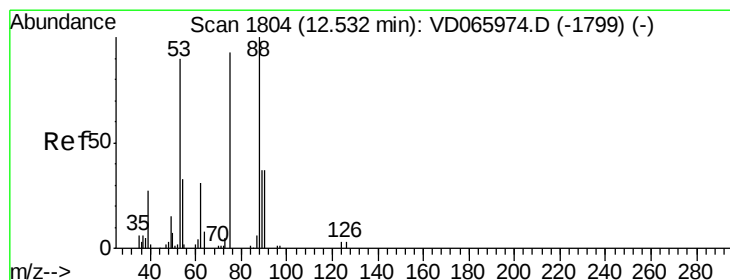
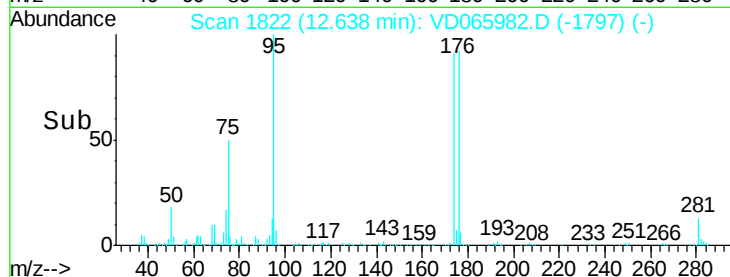
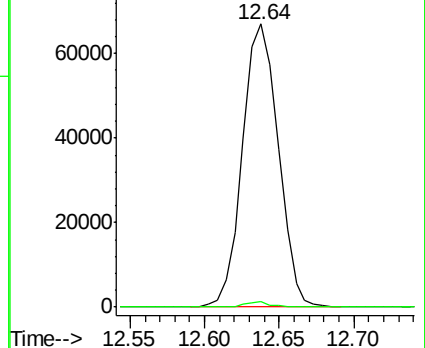
75 100

77 1.3 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: 144.398 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065982.D

Acq: 21 Jul 2020 16:12

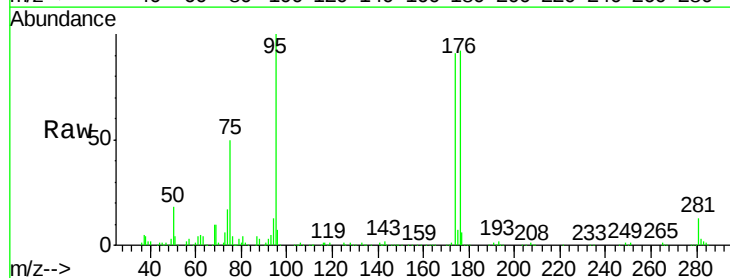
Tgt Ion: 75 Resp: 111663

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

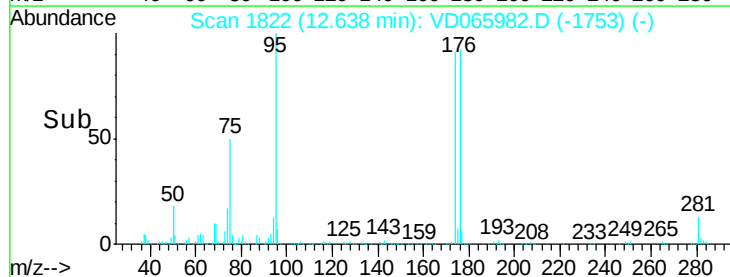
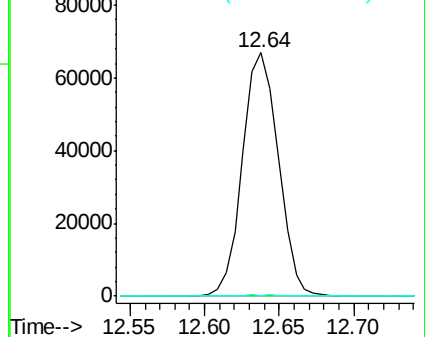
89 0.2 37.0 55.4#

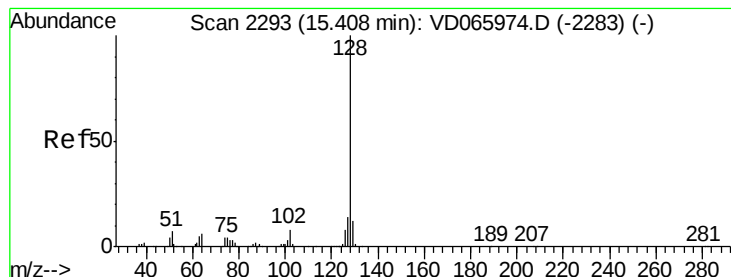


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.685 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065982.D

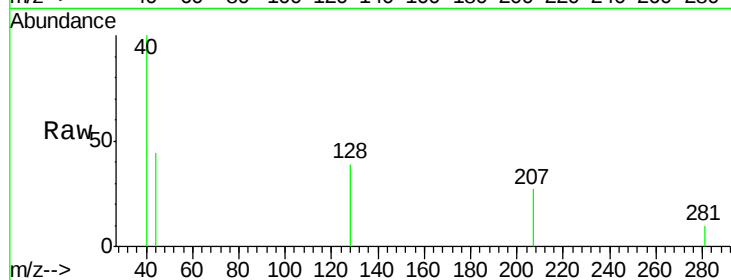
Acq: 21 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

2



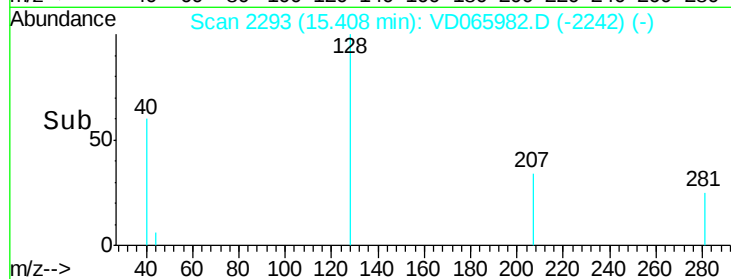
Tgt Ion:128 Resp: 1111

Ion Ratio Lower Upper

128 100

127 5.5 10.8 16.2#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

