

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066027.D
 Acq On : 23 Jul 2020 16:30
 Operator : VA/SY
 Sample : L3381-13
 Misc : 7.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 339-GRID-B3-B4

Quant Time: Jul 24 03:06:59 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	318237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	510539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131009	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.91	113	153121	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.34	98	618481	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.64	95	249520	62.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.76%	

Target Compounds

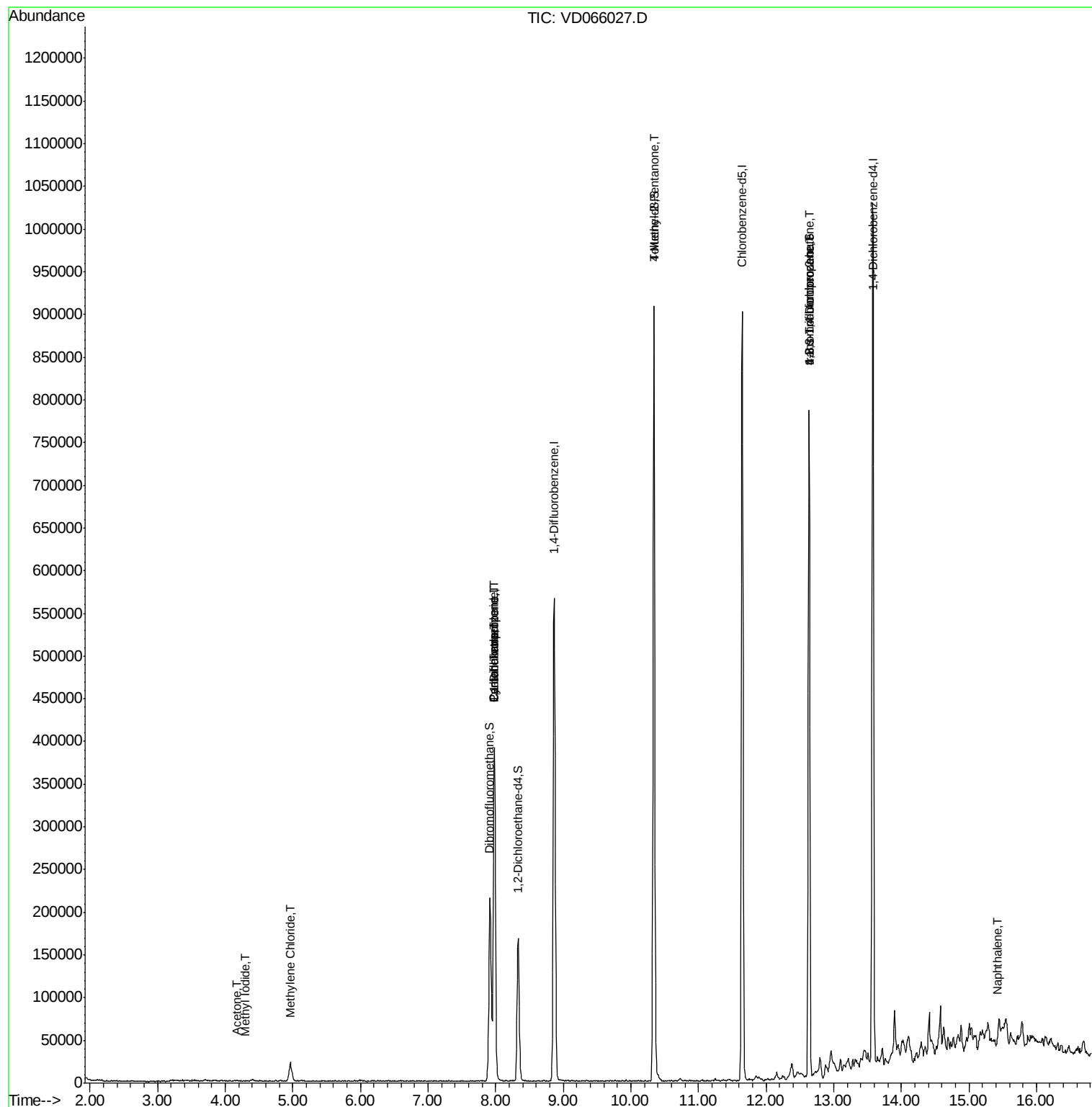
					Qvalue	
5) Bromomethane	2.77	94	131	Below Cal	#	4
10) Methyl Iodide	4.30	142	59	8.830	ug/l #	42
16) Acetone	4.17	43	669	1.276	ug/l #	42
20) Methylene Chloride	4.97	84	15178	2.415	ug/l #	91
31) Cyclohexane	7.98	56	5709	1.226	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	20961	4.811	ug/l #	48
38) Carbon Tetrachloride	7.98	117	30186	6.385	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	2697	1.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	119857	54.819	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	119857	125.792	ug/l #	11
95) Naphthalene	15.41	128	852	3.633	ug/l #	86

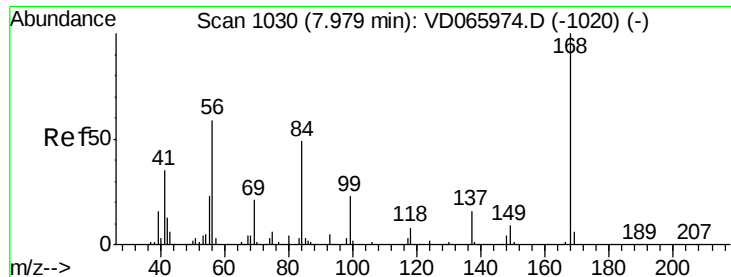
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066027.D
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MSVOA_D
ClientSampleId :
339-GRID-B3-B4

Quant Time: Jul 24 03:06:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
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# 1031

Delta R.T. 0.01 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

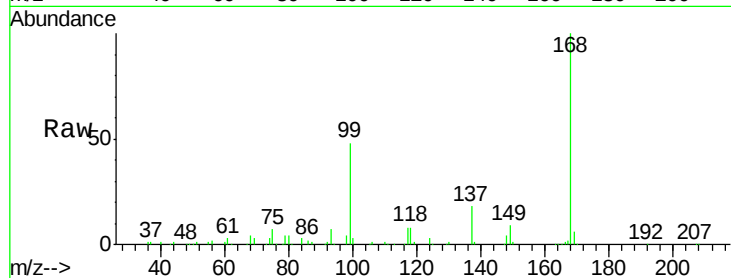
339-GRID-B3-B4

Tot Ion:168 Resp: 318237

Ion Ratio Lower Upper

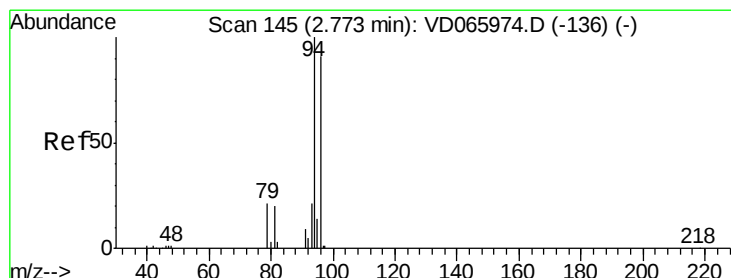
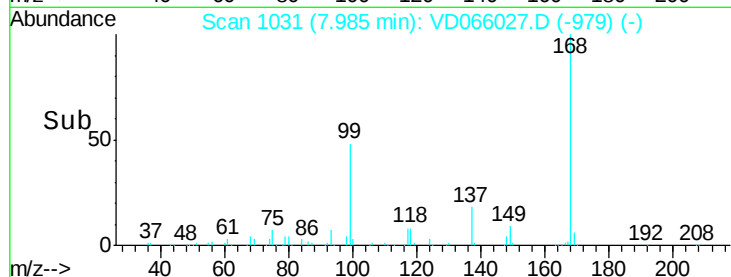
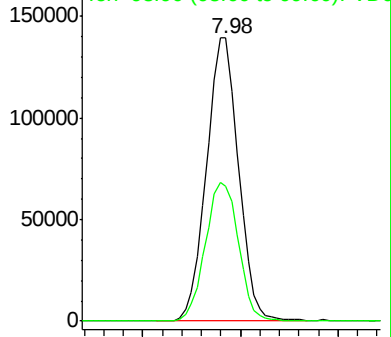
168 100

99 47.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066027.D

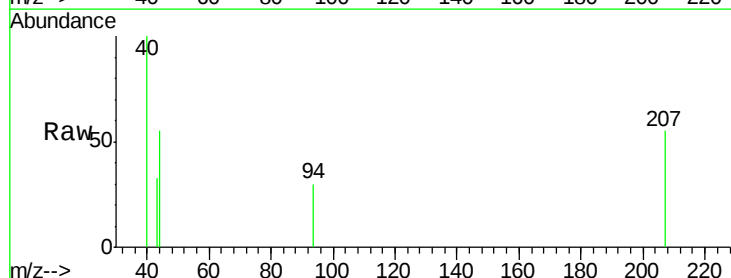
Acq: 23 Jul 2020 16:30

Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

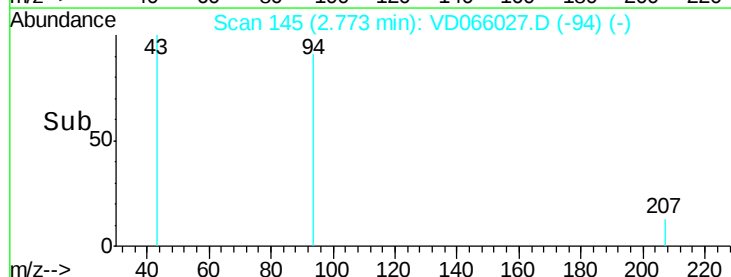
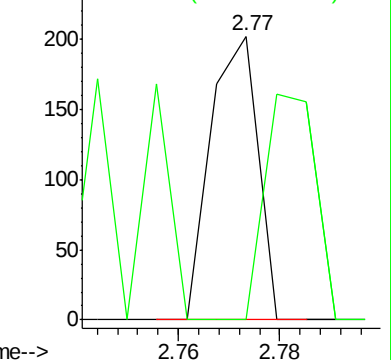
94 100

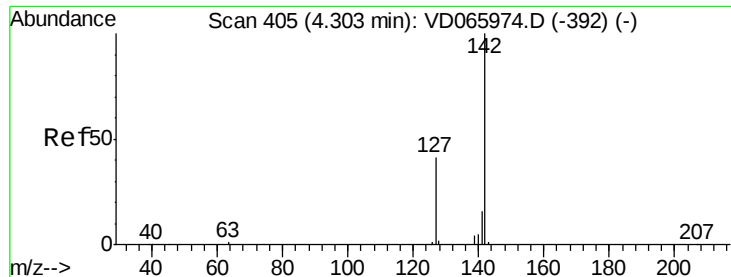
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

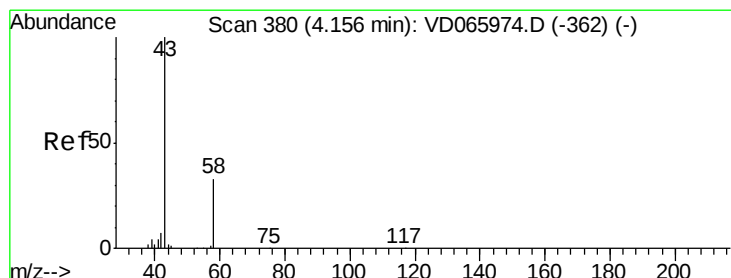
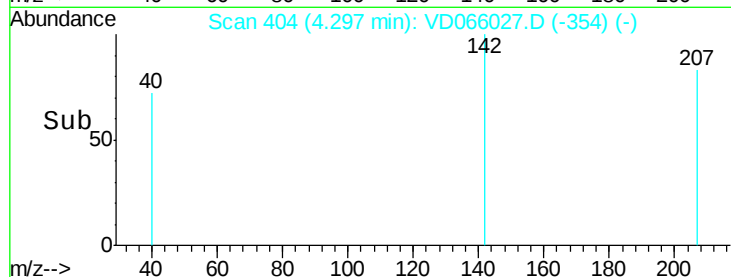
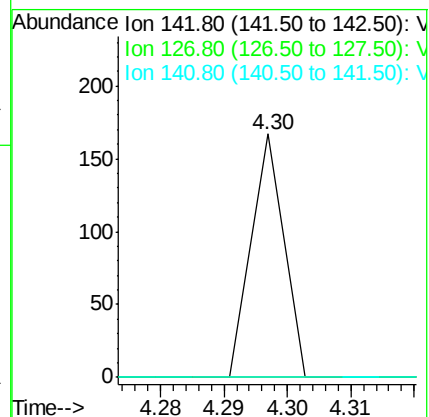
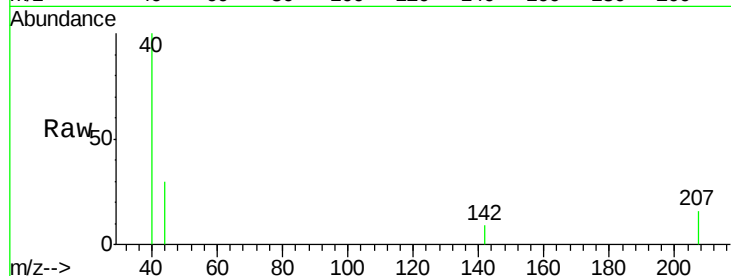




#10
Methvl Iodide
Concen: 8.830 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

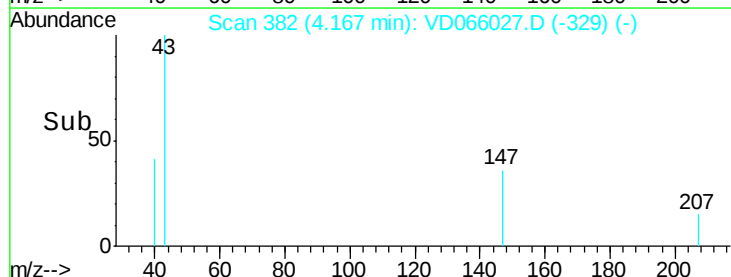
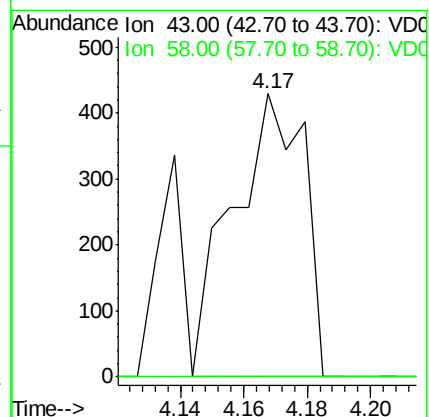
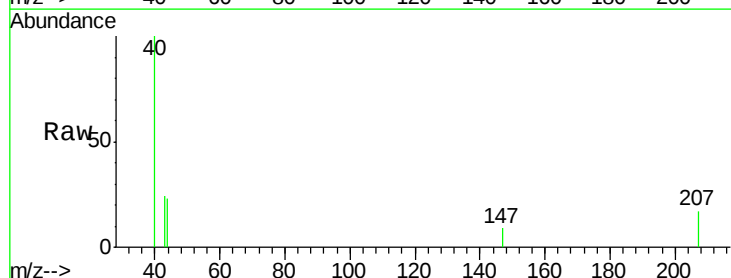
Instrument :
MSVOA_D
ClientSampleId :
339-GRID-B3-B4

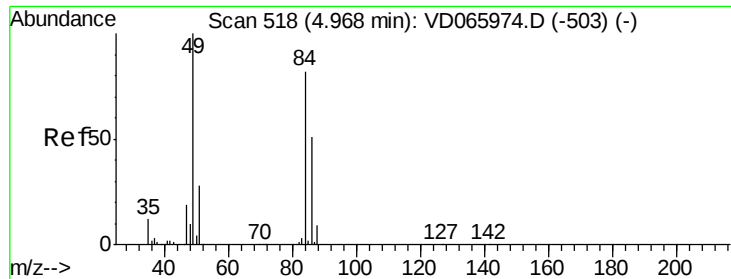
Tot Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 1.276 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#

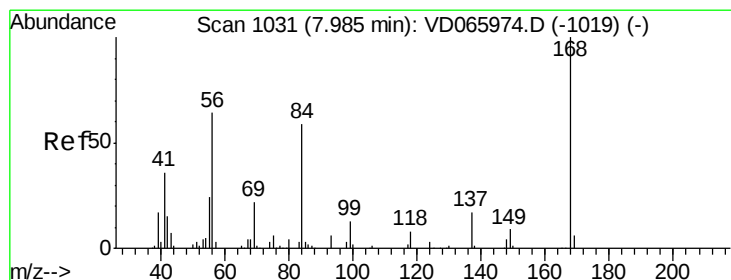
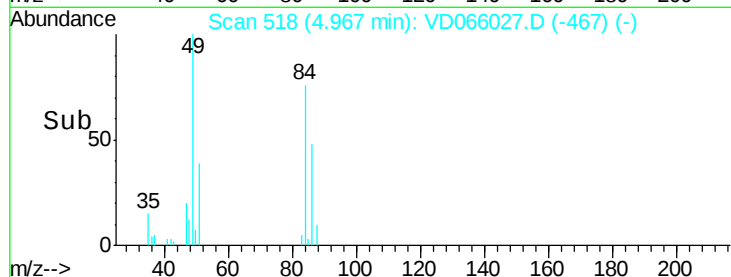
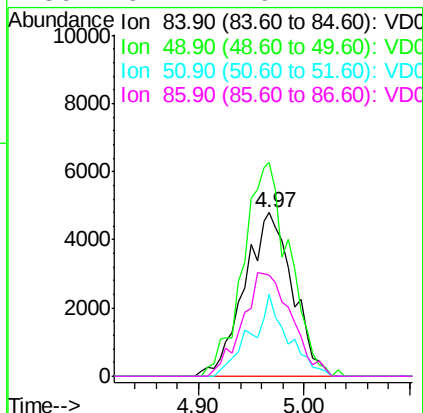
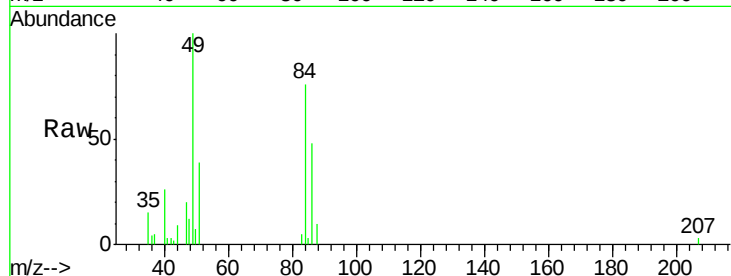




#20
Methvlene Chloride
Concen: 2.415 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

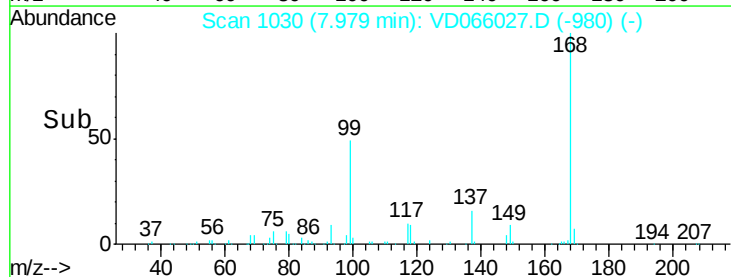
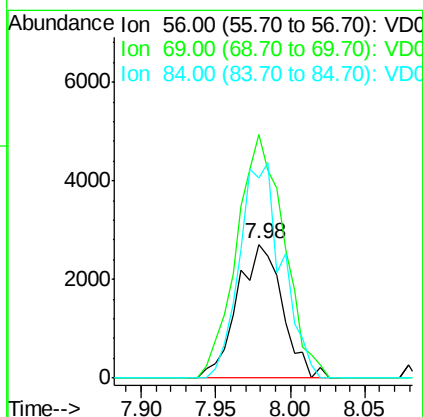
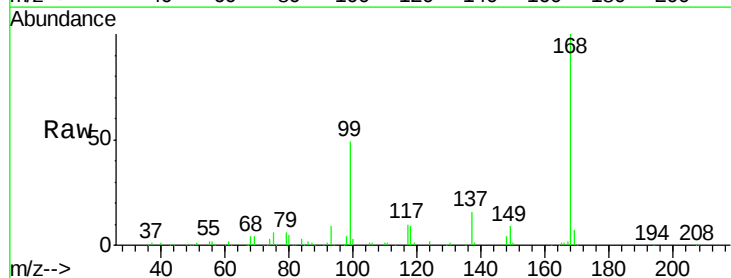
Instrument :
MSVOA_D
ClientSampleId :
339-GRID-B3-B4

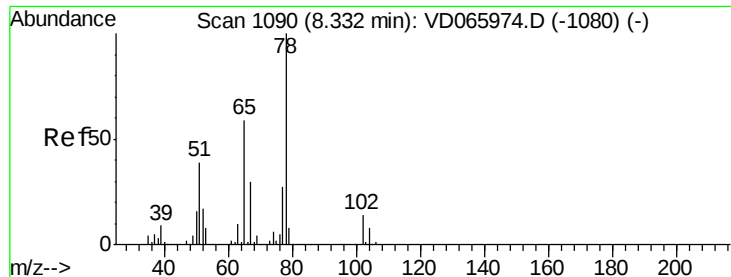
Tot Ion: 84 Resp: 15178
Ion Ratio Lower Upper
84 100
49 130.8 97.7 146.5
51 50.5 27.4 41.2#
86 62.2 49.4 74.2



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

Tgt Ion: 56 Resp: 5709
Ion Ratio Lower Upper
56 100
69 181.5 28.0 42.0#
84 149.6 72.6 109.0#

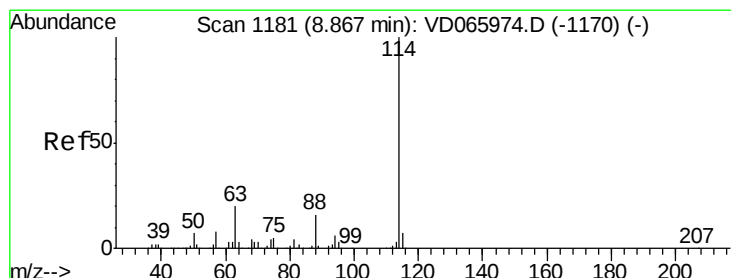
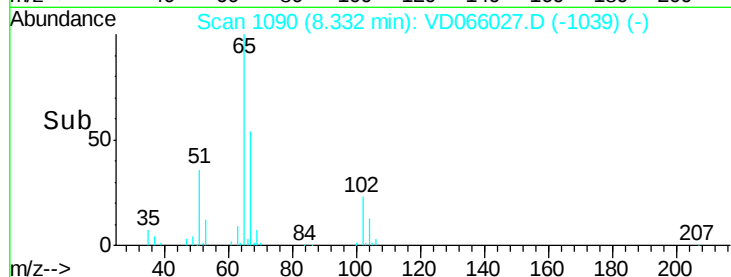
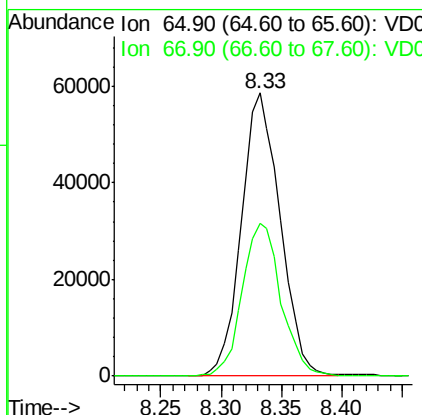
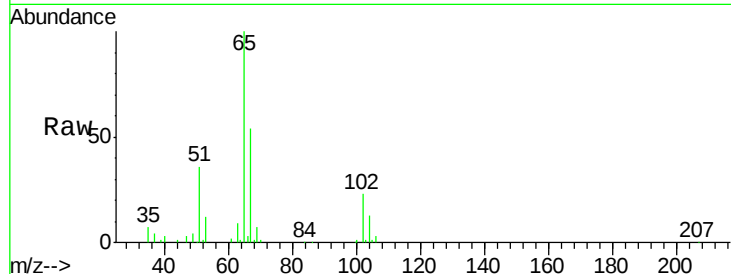




#33
 1,2-Dichloroethane-d4
 Concen: 50.593 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066027.D
 Acq: 23 Jul 2020 16:30

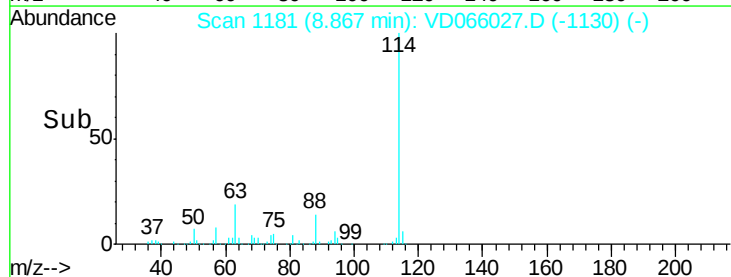
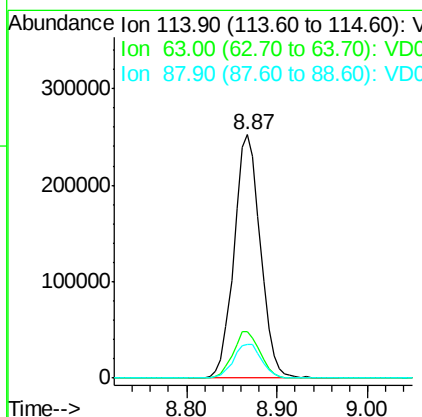
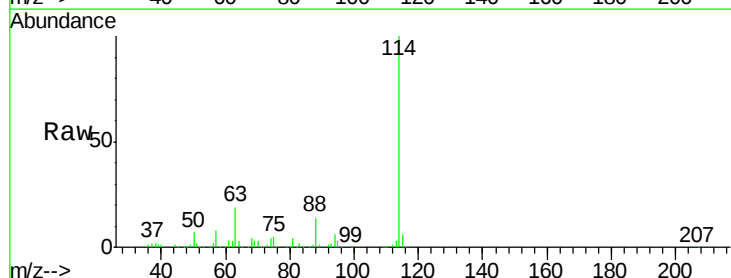
Instrument :
 MSVOA_D
 ClientSampleId :
 339-GRID-B3-B4

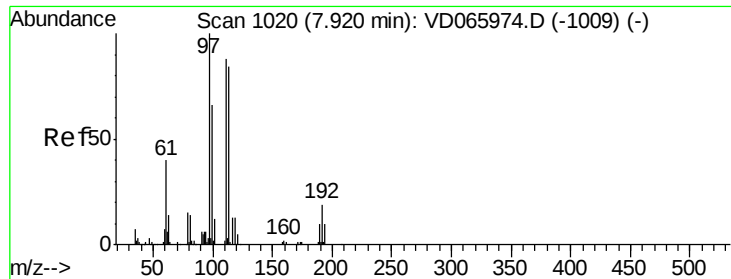
Tot Ion: 65 Resp: 131009
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066027.D
 Acq: 23 Jul 2020 16:30

Tgt Ion: 114 Resp: 510539
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 13.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.448 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

339-GRID-B3-B4

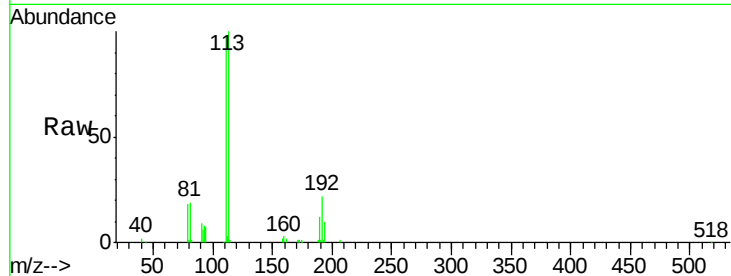
Tot Ion:113 Resp: 153121

Ion Ratio Lower Upper

113 100

111 103.9 83.2 124.8

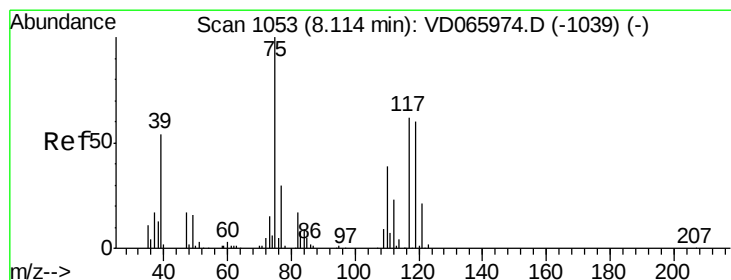
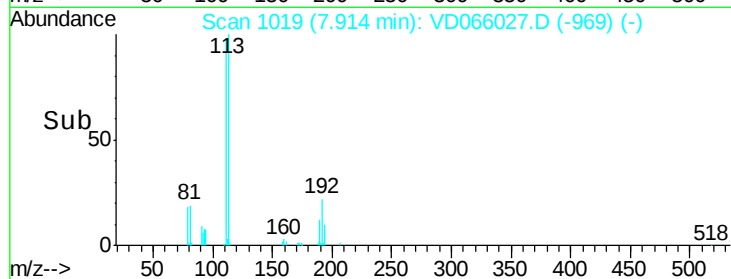
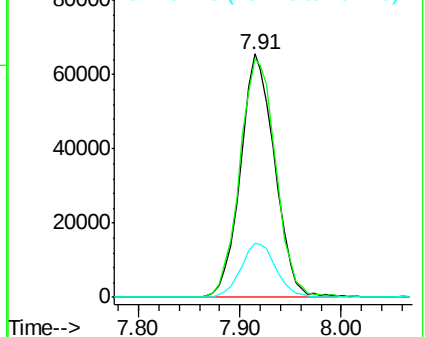
192 23.0 18.7 28.1



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



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

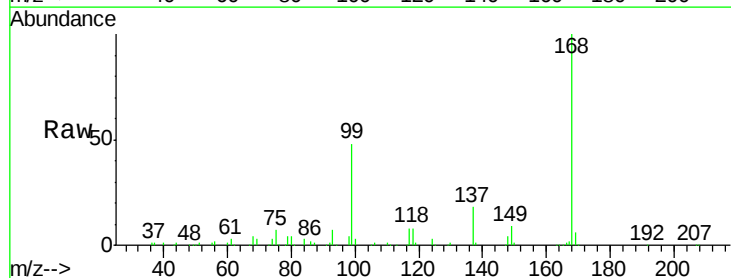
Tgt Ion: 75 Resp: 20961

Ion Ratio Lower Upper

75 100

110 9.3 19.5 58.5#

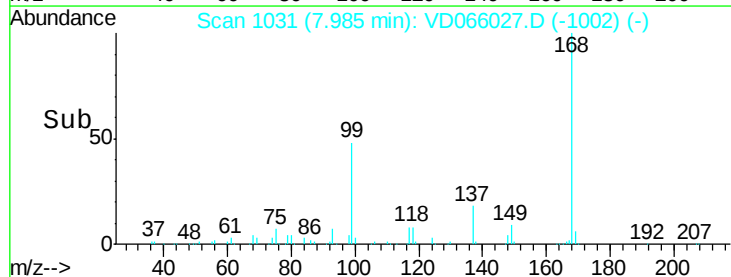
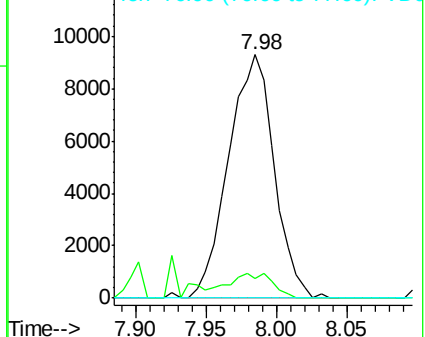
77 0.0 24.7 37.1#

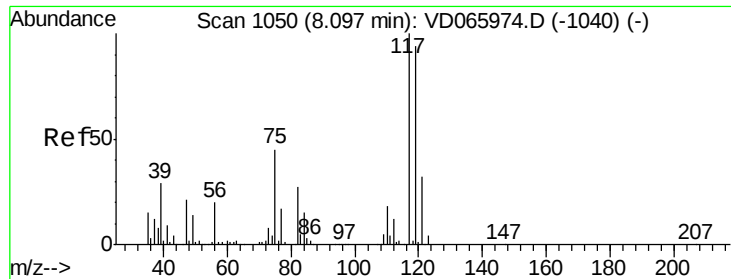


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

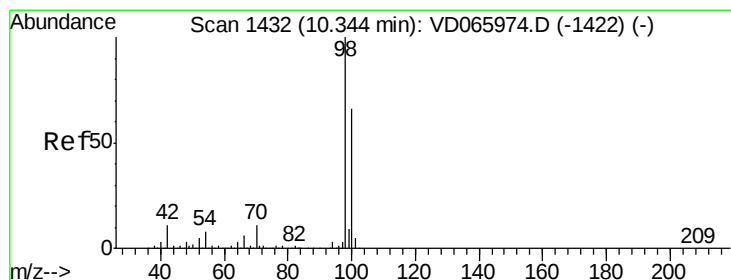
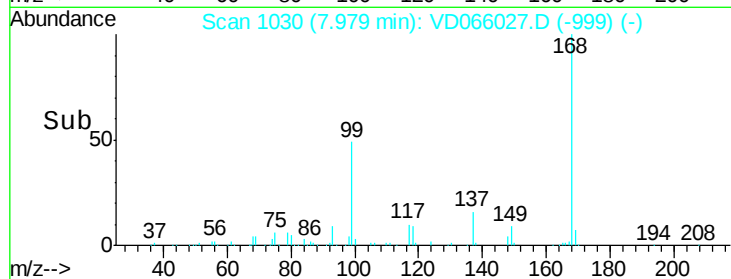
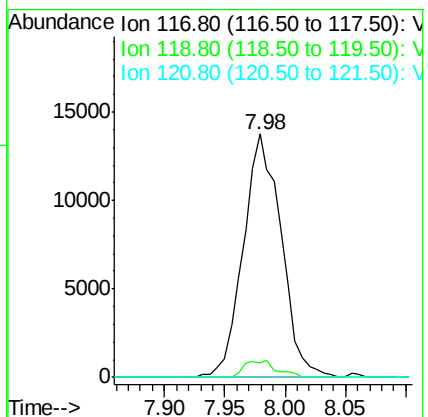
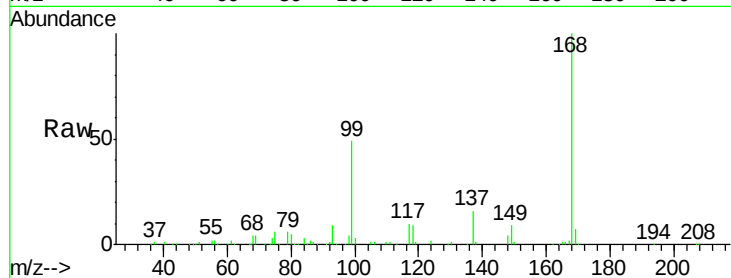




#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

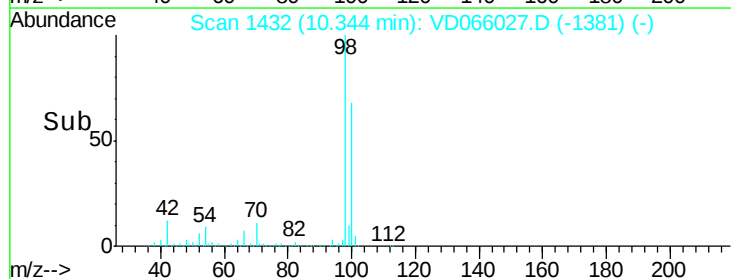
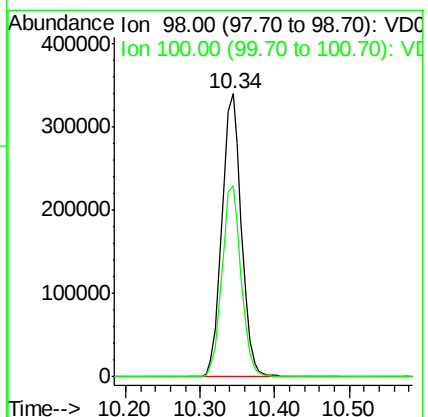
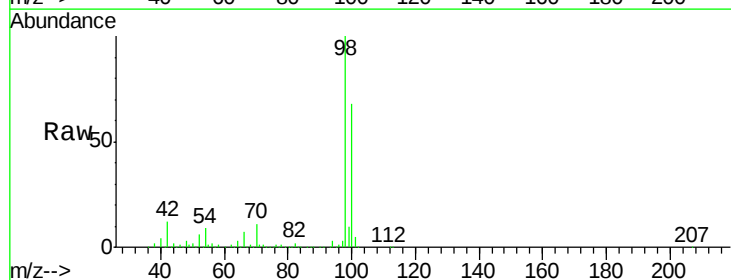
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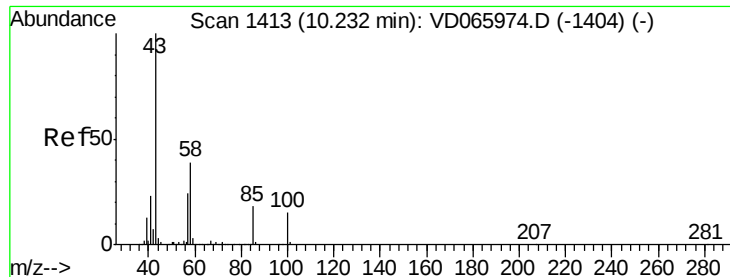
Tot Ion:117 Resp: 30186
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.615 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

Tgt Ion: 98 Resp: 618481
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.647 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

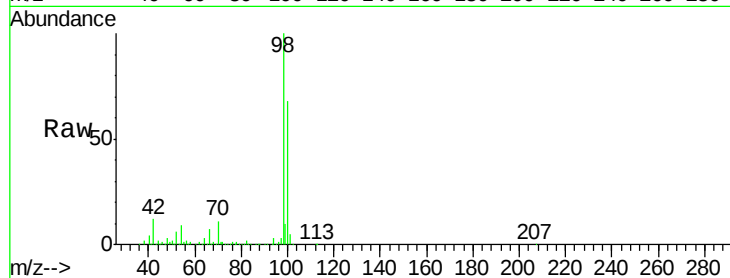
339-GRID-B3-B4

Tot Ion: 43 Resp: 2697

Ion Ratio Lower Upper

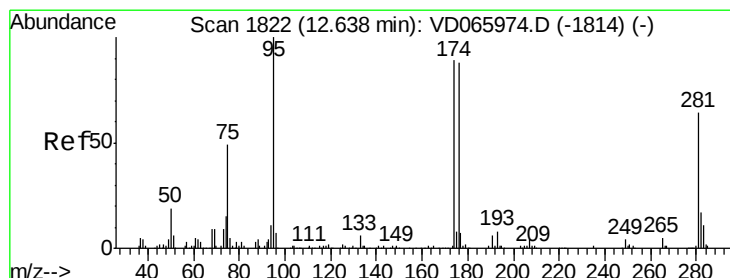
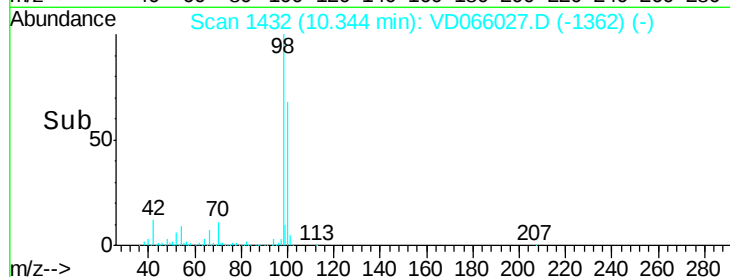
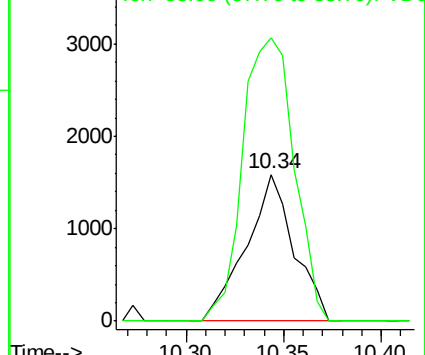
43 100

58 207.3 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 62.383 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

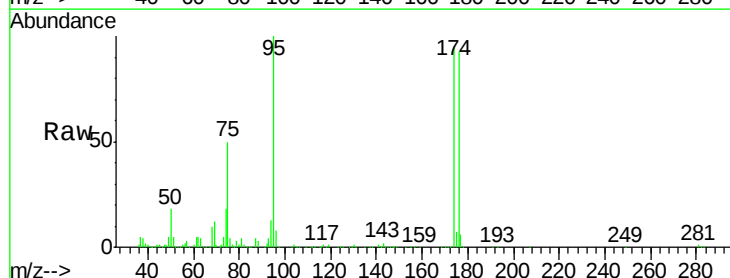
Tgt Ion: 95 Resp: 249520

Ion Ratio Lower Upper

95 100

174 92.1 0.0 178.8

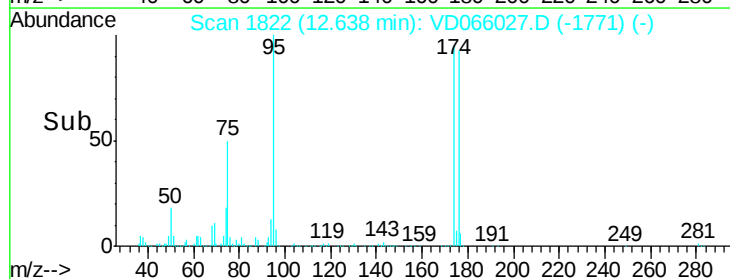
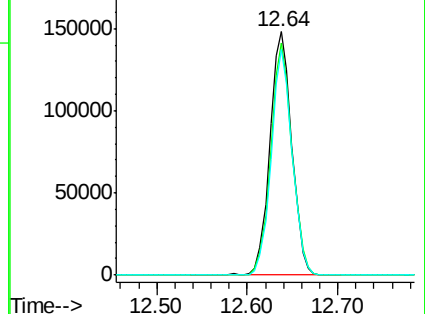
176 88.4 0.0 172.6

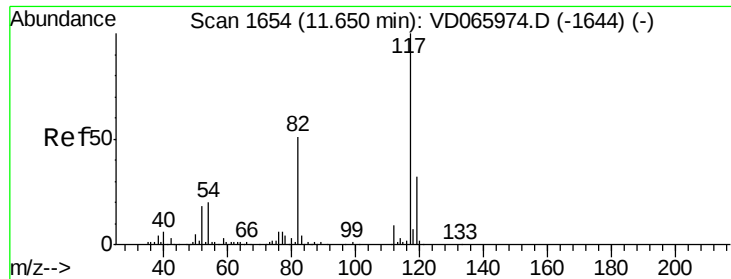


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

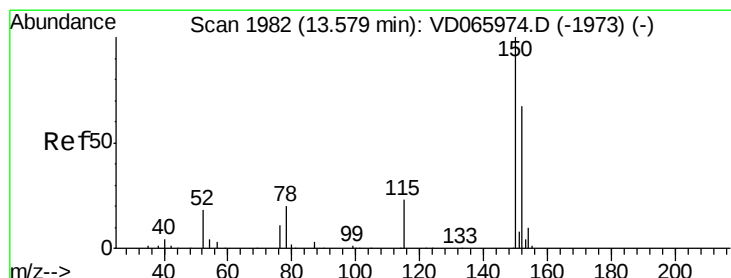
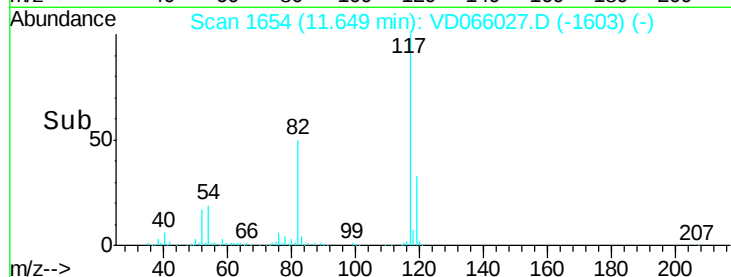
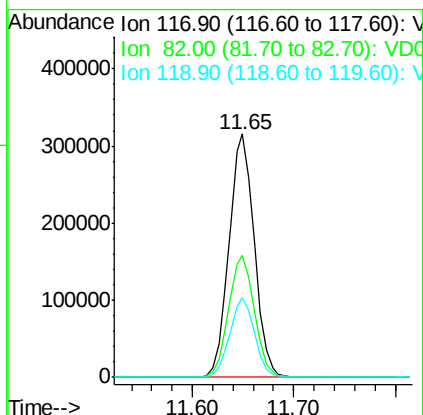
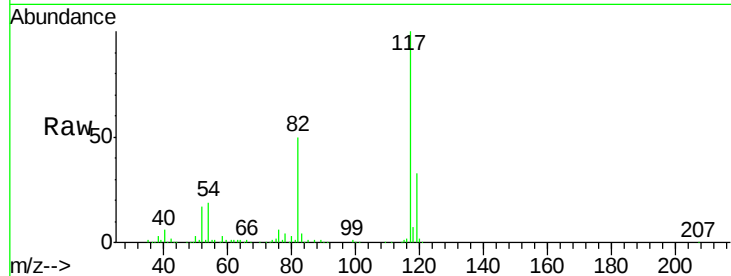




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

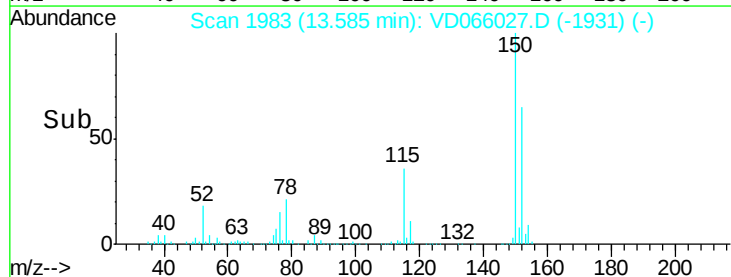
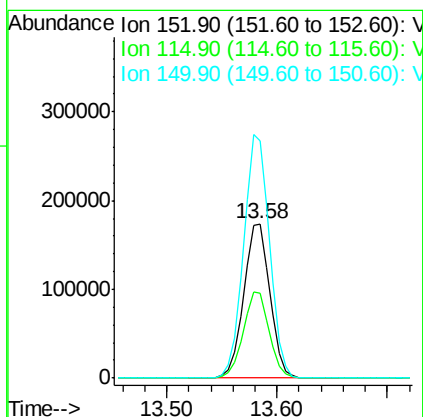
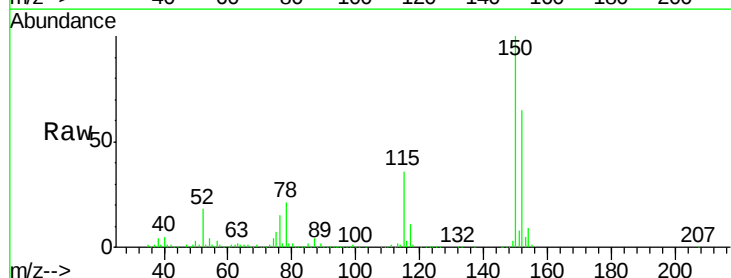
Instrument :
MSVOA_D
ClientSampleId :
339-GRID-B3-B4

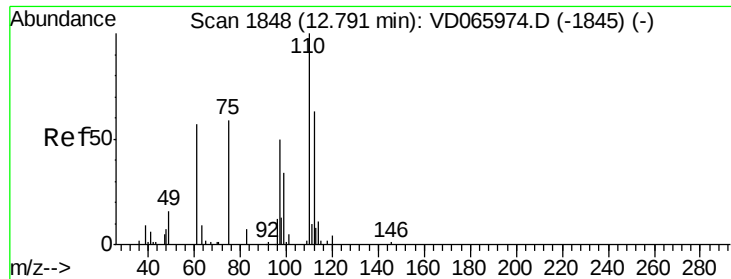
Tot Ion:117 Resp: 543550
Ion Ratio Lower Upper
117 100
82 50.2 41.1 61.7
119 32.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066027.D
Acq: 23 Jul 2020 16:30

Tgt Ion:152 Resp: 290378
Ion Ratio Lower Upper
152 100
115 54.8 27.9 83.7
150 155.7 0.0 348.2

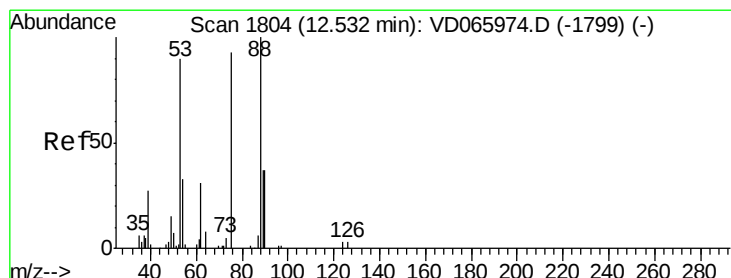
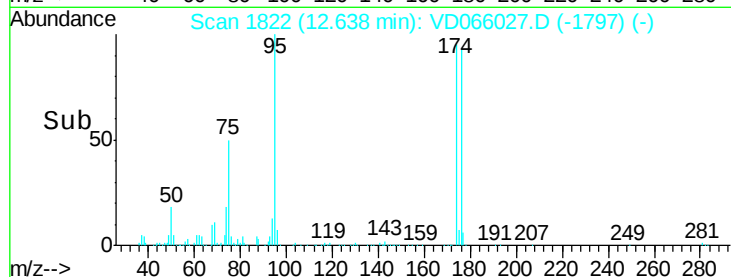
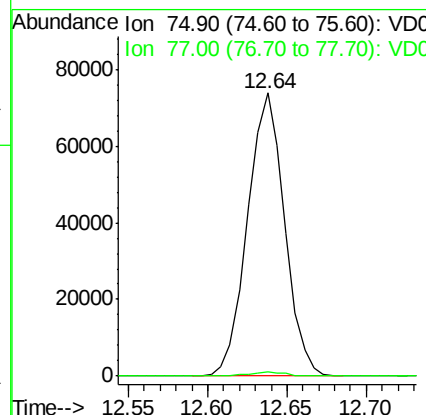
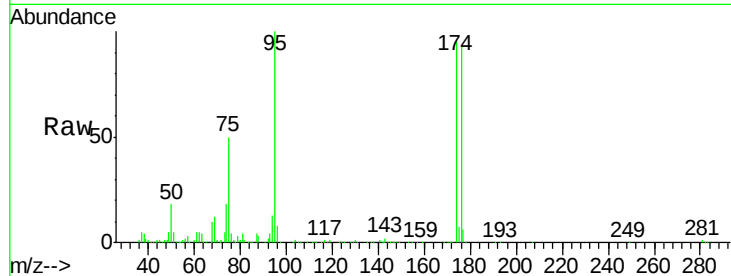




#76
 1,2,3-Trichloropropane
 Concen: 54.819 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066027.D
 Acq: 23 Jul 2020 16:30

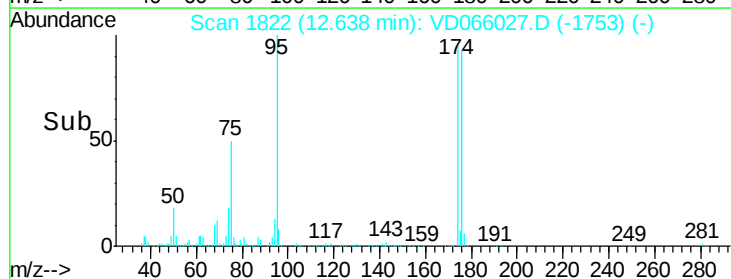
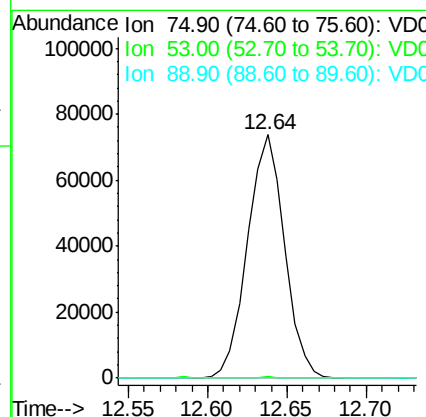
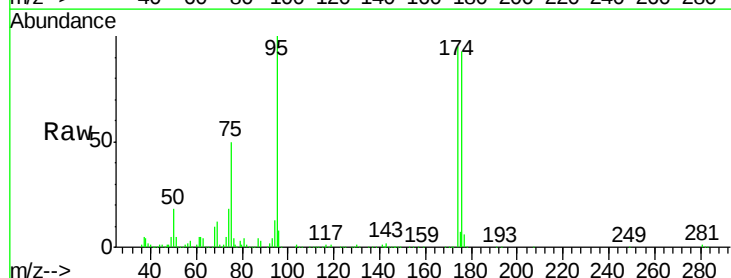
Instrument :
 MSVOA_D
 ClientSampleId :
 339-GRID-B3-B4

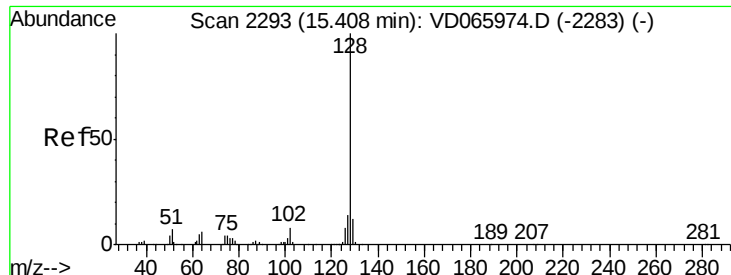
Tot Ion: 75 Resp: 119857
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.792 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066027.D
 Acq: 23 Jul 2020 16:30

Tgt Ion: 75 Resp: 119857
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.633 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066027.D

Acq: 23 Jul 2020 16:30

Instrument :

MSVOA_D

ClientSampleId :

339-GRID-B3-B4

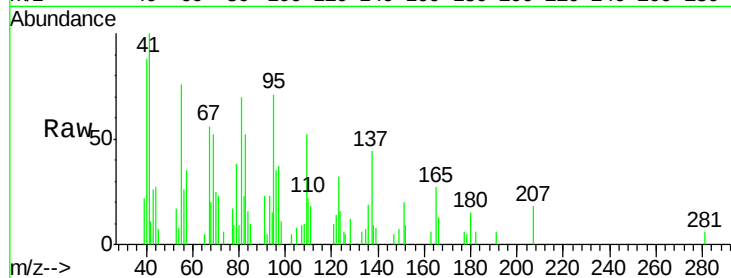
Tot Ion:128 Resp: 852

Ion Ratio Lower Upper

128 100

127 7.0 10.8 16.2#

129 7.0 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

