

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066007.D
 Acq On : 22 Jul 2020 17:43
 Operator : VA/SY
 Sample : L3187-09
 Misc : 6.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-072120

Quant Time: Jul 23 01:05:58 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	307220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	546383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298641	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	146719	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
35) Dibromofluoromethane	7.91	113	170130	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.34	98	654211	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.64	95	260902	60.95	ug/l	0.00
Spiked Amount			Recovery	=	121.90%	

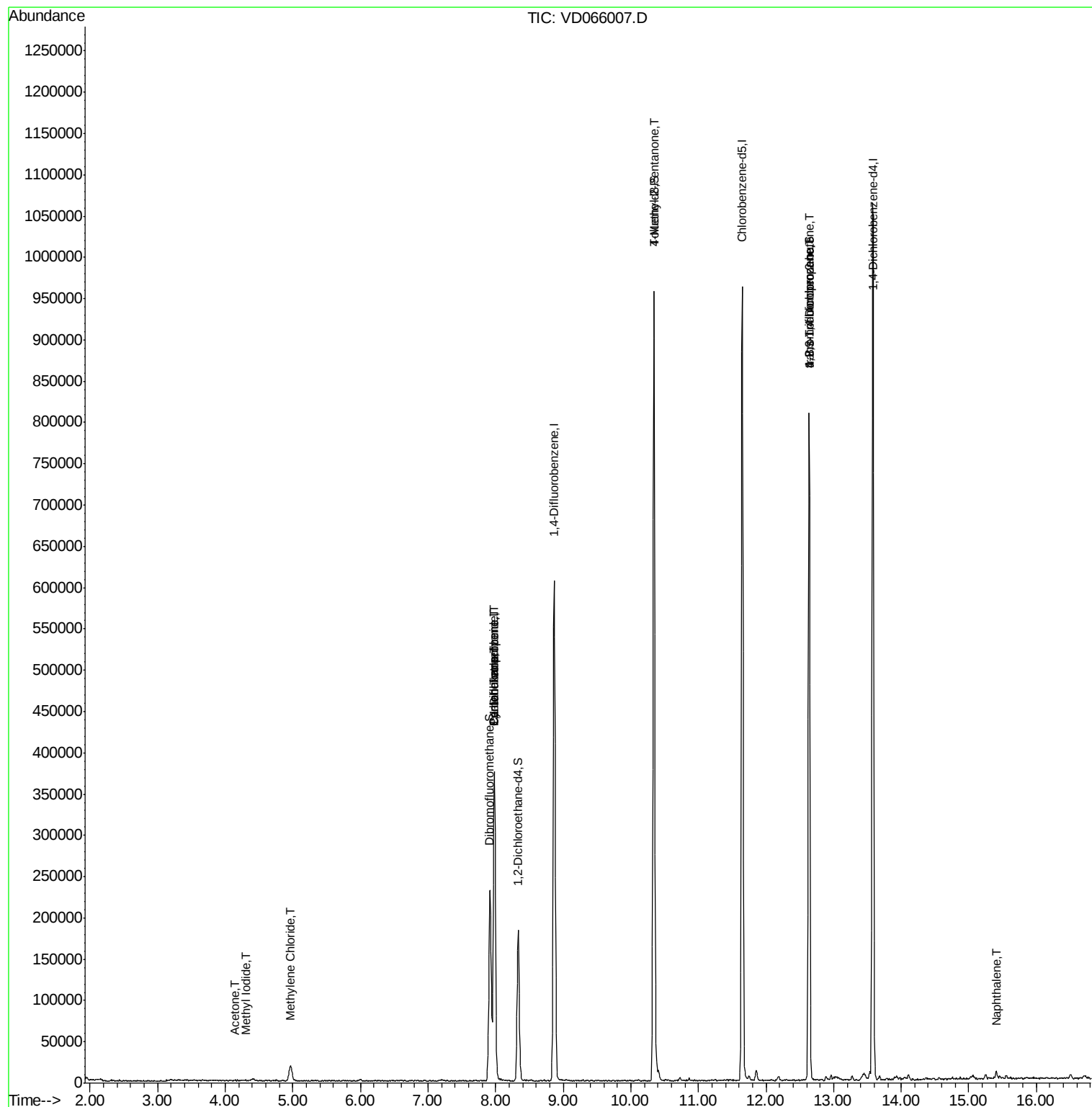
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	69	Below Cal	#	4
10) Methyl Iodide	4.30	142	60	8.831	ug/l #	42
16) Acetone	4.16	43	957	1.891	ug/l #	86
20) Methylene Chloride	4.96	84	13527	1.988	ug/l #	96
31) Cyclohexane	7.99	56	5350	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	21680	4.649	ug/l #	48
38) Carbon Tetrachloride	7.98	117	27568	5.449	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3124	1.783	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127367	56.642	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127367	129.975	ug/l #	11
95) Naphthalene	15.40	128	8429	4.373	ug/l	98

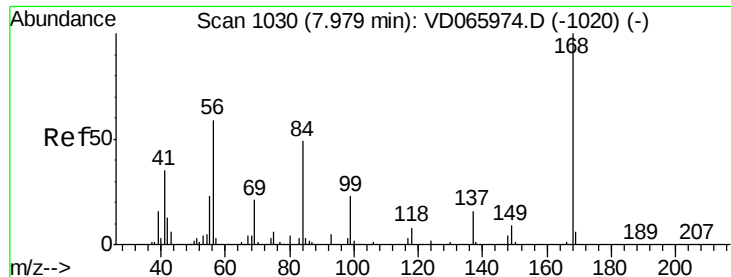
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
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Quant Time: Jul 23 01:05:58 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# 1030

Delta R.T. 0.00 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

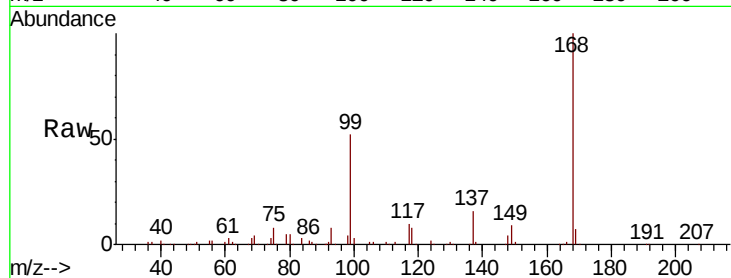
SU-04-072120

Tot Ion:168 Resp: 307220

Ion Ratio Lower Upper

168 100

99 51.8 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

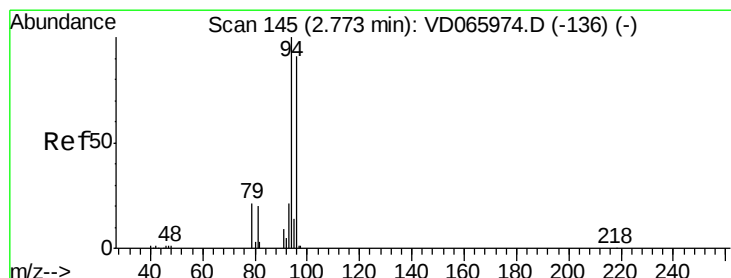
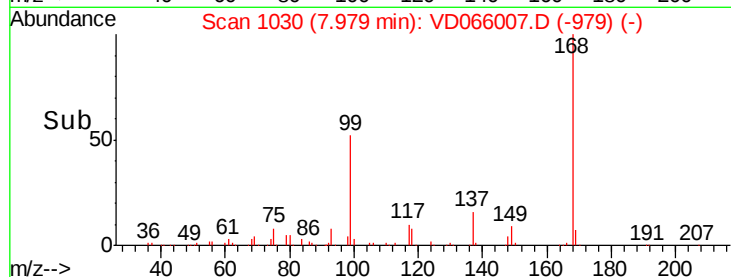
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066007.D

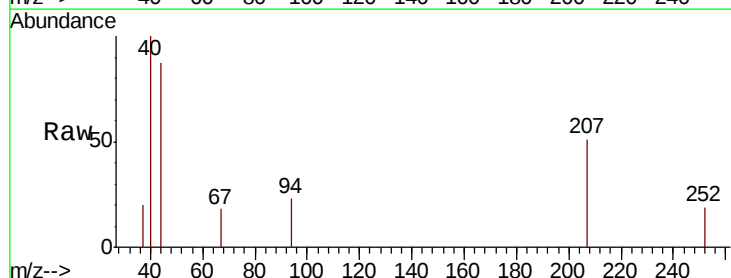
Acq: 22 Jul 2020 17:43

Tgt Ion: 94 Resp: 69

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

2.78

200

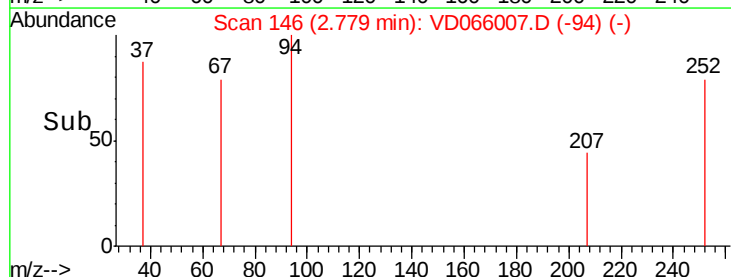
150

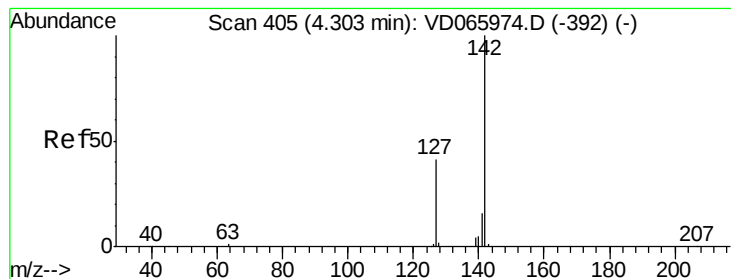
100

50

0

Time-->





#10

Methyl Iodide

Concen: 8.831 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

SU-04-072120

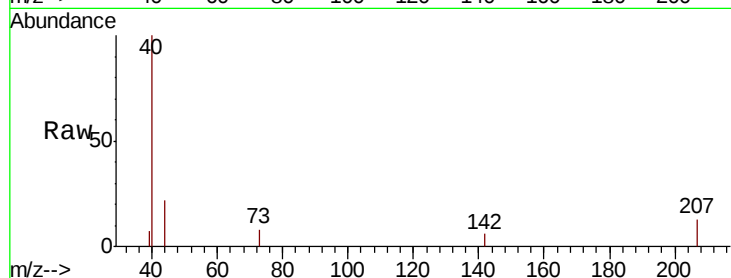
Tot Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

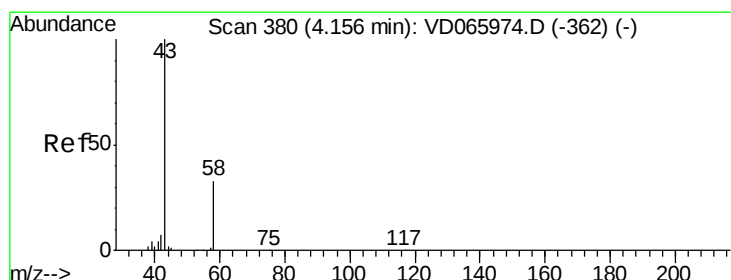
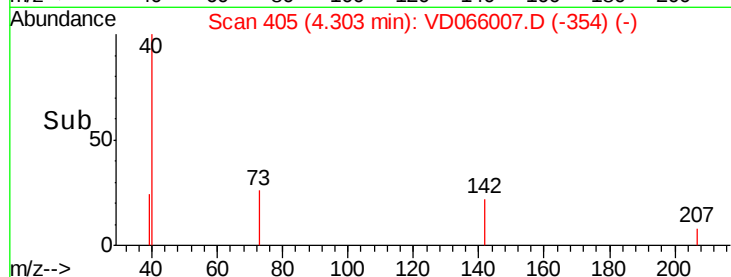
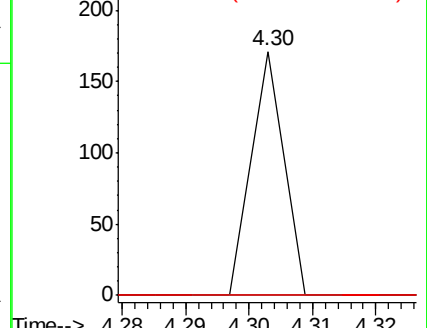
141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 1.891 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066007.D

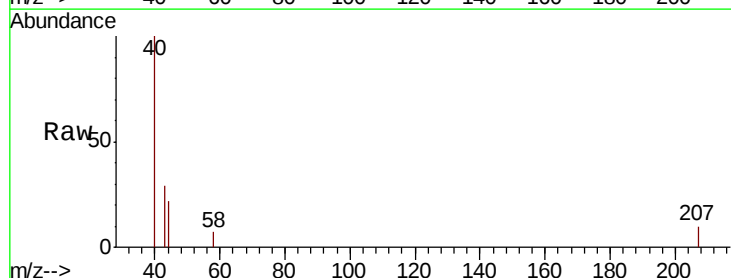
Acq: 22 Jul 2020 17:43

Tgt Ion: 43 Resp: 957

Ion Ratio Lower Upper

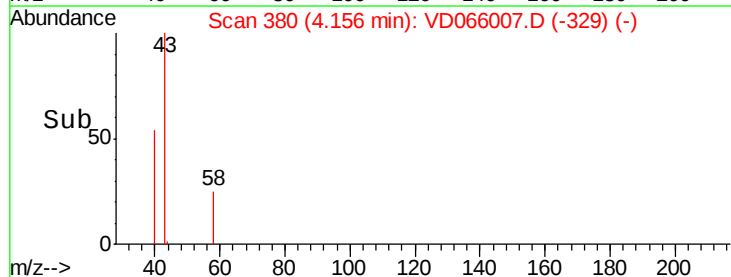
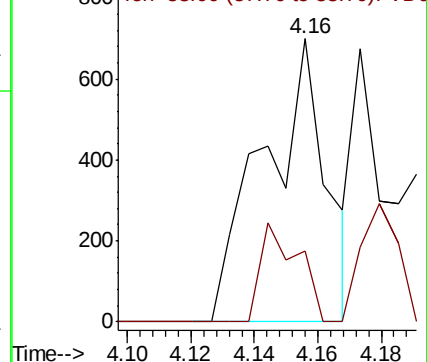
43 100

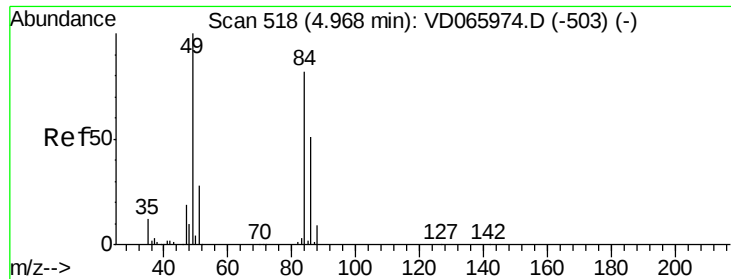
58 25.2 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#20

Methylene Chloride

Concen: 1.988 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

SU-04-072120

Tot Ion: 84 Resp: 13527

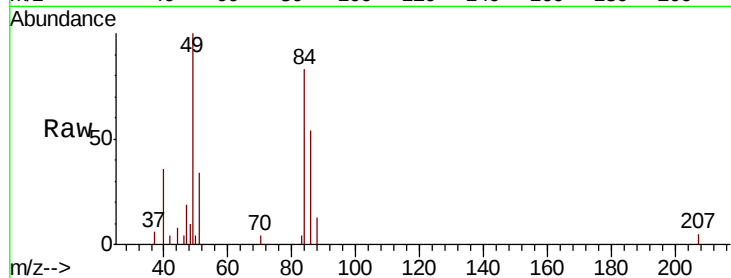
Ion Ratio Lower Upper

84 100

49 120.3 97.7 146.5

51 41.4 27.4 41.2#

86 65.3 49.4 74.2



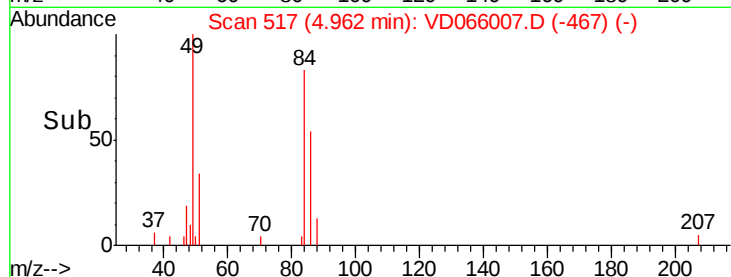
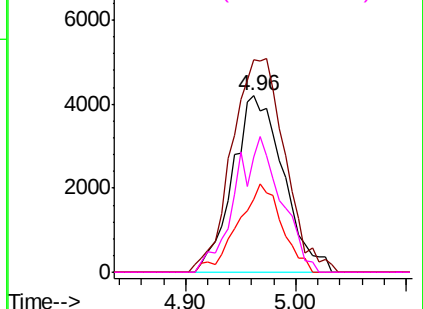
Abundance

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: 1.190 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

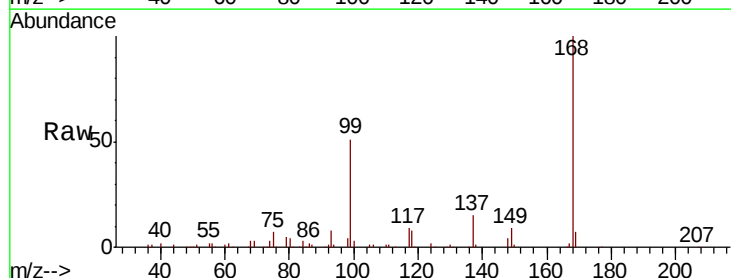
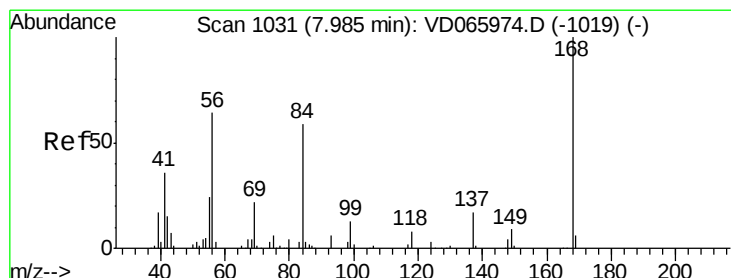
Tgt Ion: 56 Resp: 5350

Ion Ratio Lower Upper

56 100

69 153.4 28.0 42.0#

84 154.3 72.6 109.0#

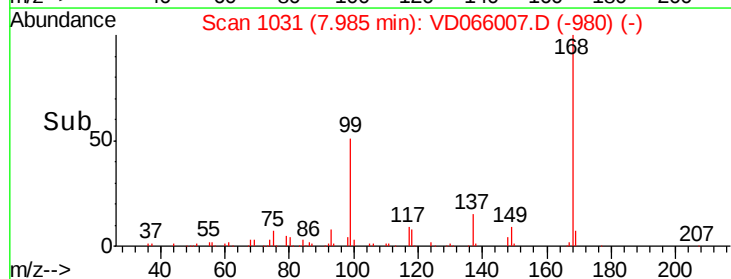
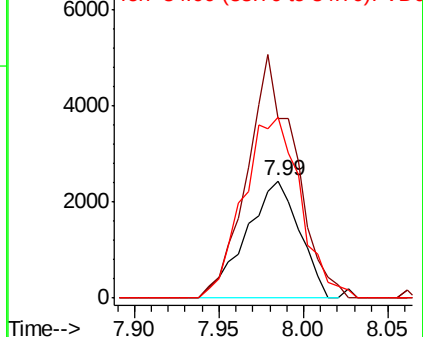


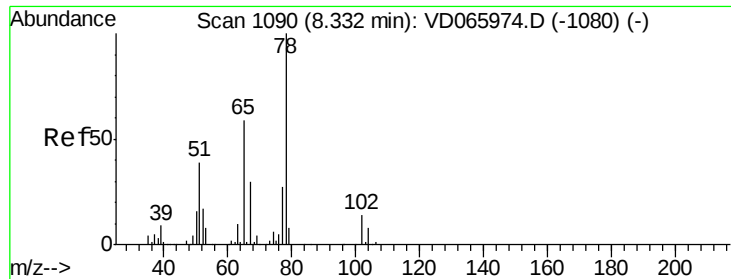
Abundance

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

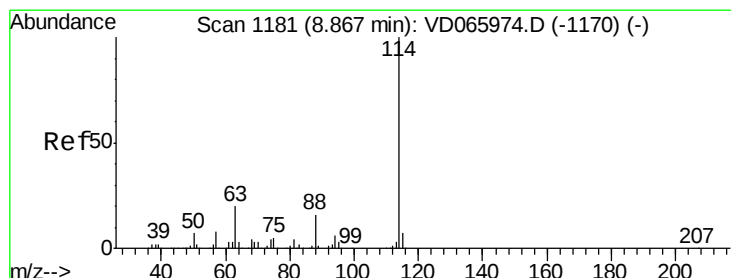
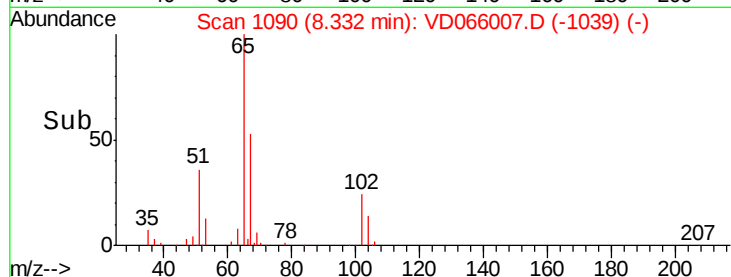
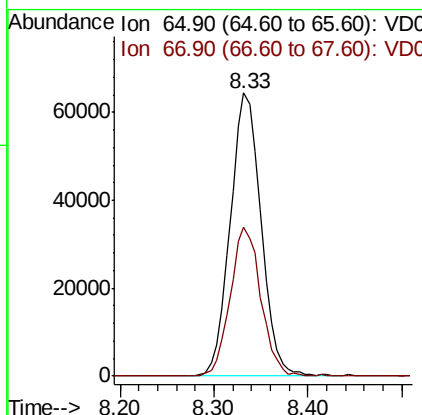
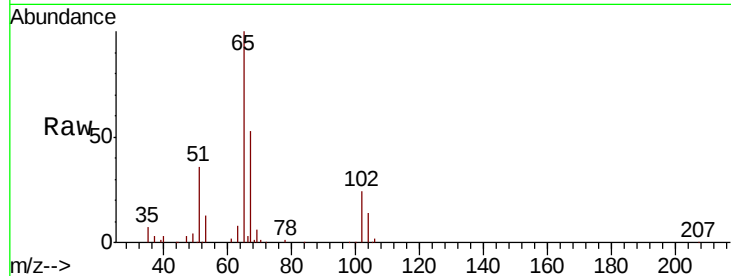




#33
 1,2-Dichloroethane-d4
 Concen: 58.692 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

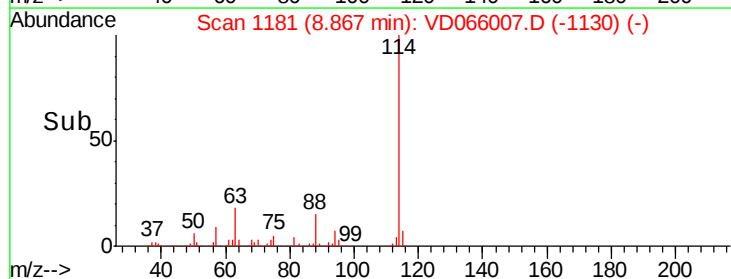
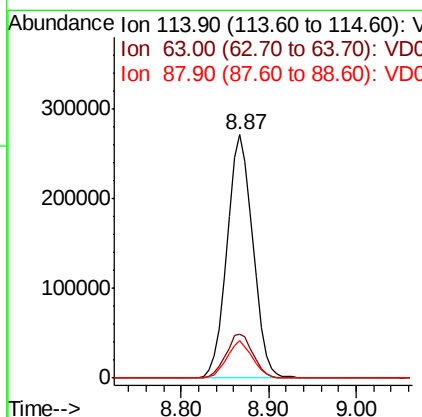
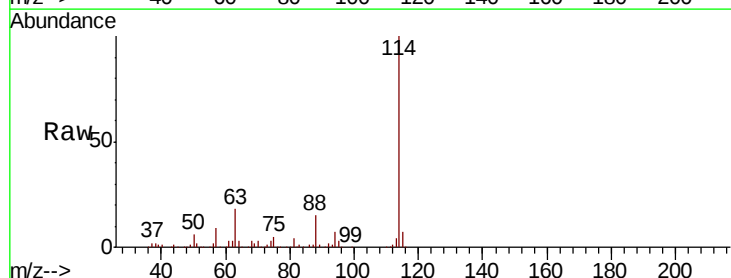
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-072120

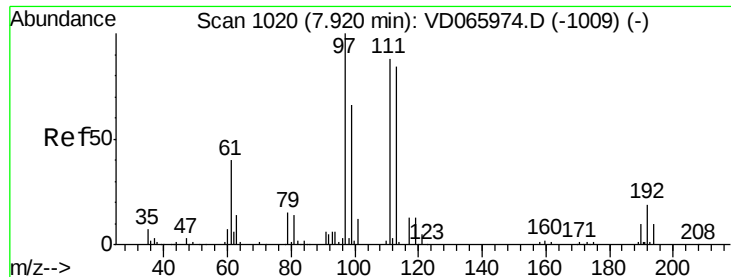
Tot Ion: 65 Resp: 146719
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

Tgt Ion: 114 Resp: 546383
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 15.3 0.0 31.2

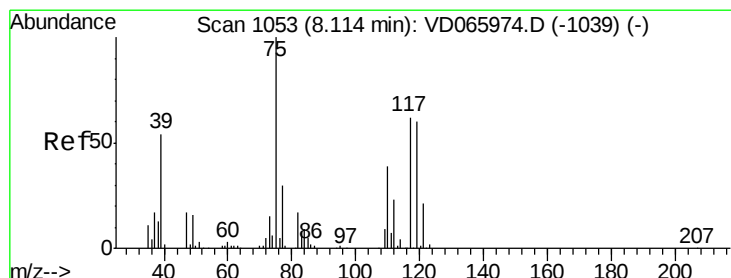
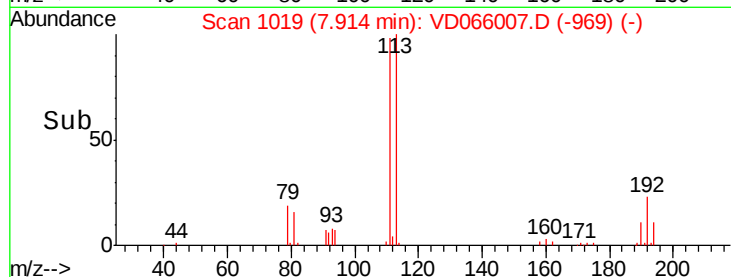
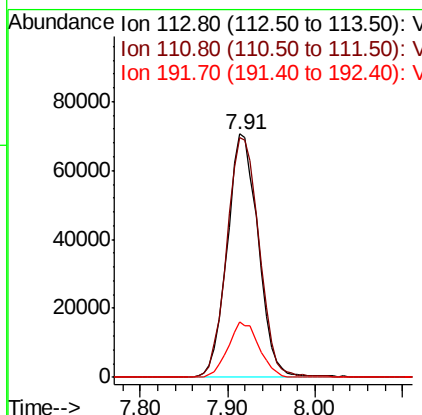
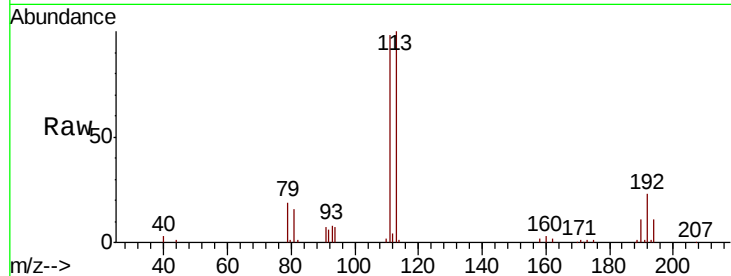




#35
 Dibromofluoromethane
 Concen: 51.337 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

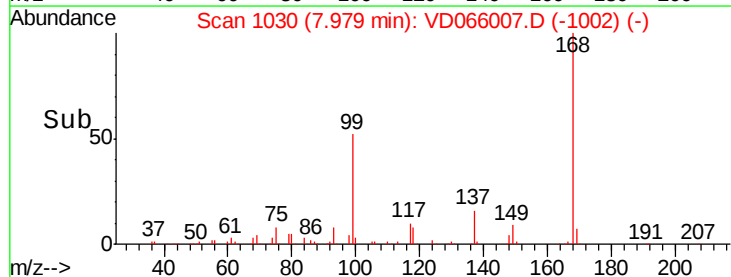
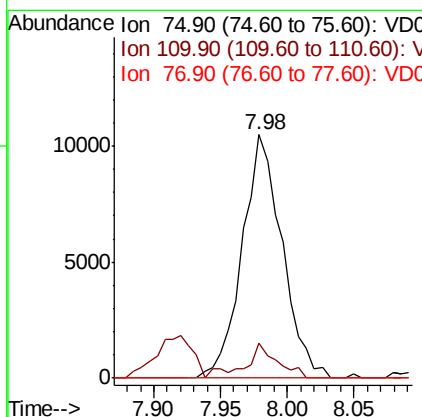
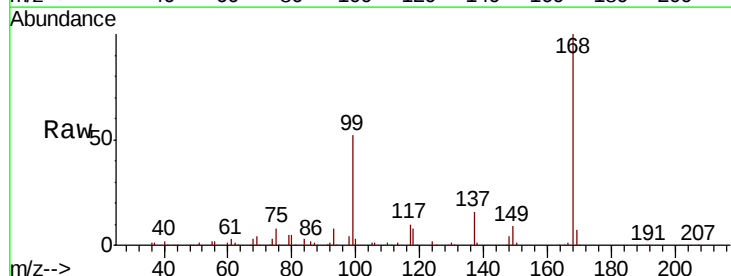
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-072120

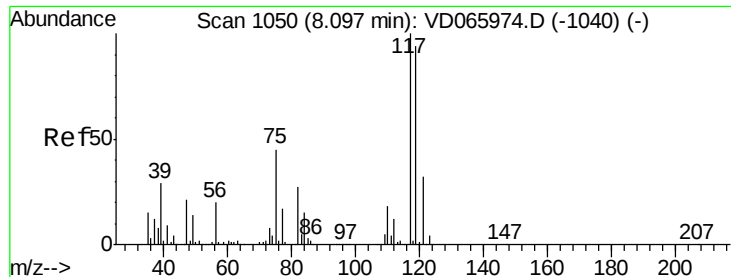
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.2	124.8
192	22.8	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.649 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.5	58.5#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.449 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

SU-04-072120

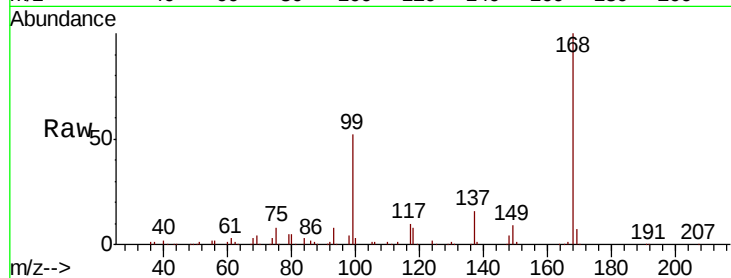
Tot Ion:117 Resp: 27568

Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

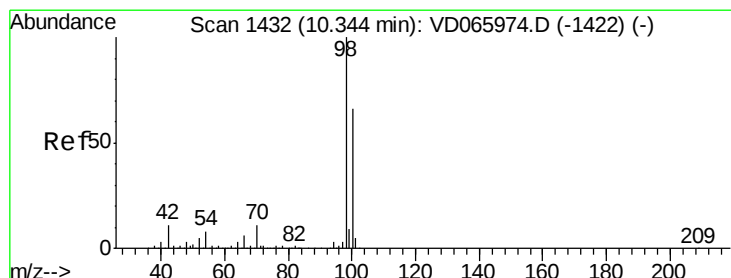
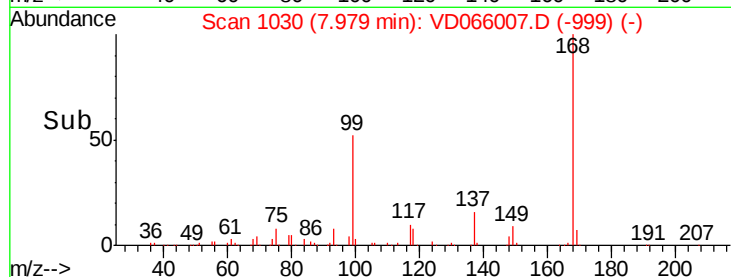
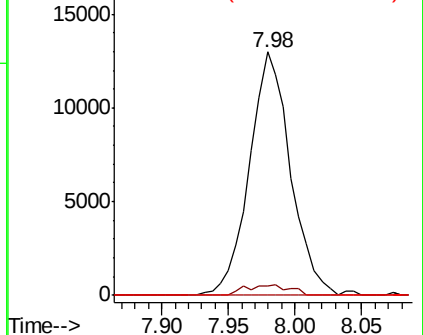
121 0.0 25.5 38.3#



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: 52.992 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066007.D

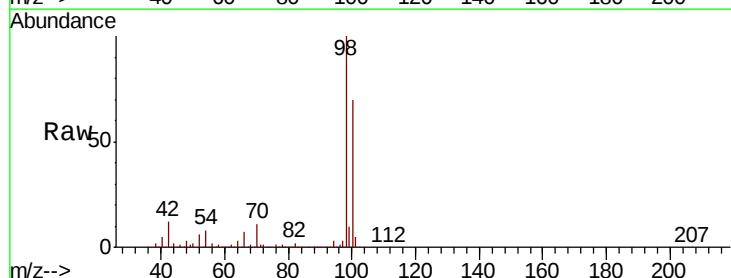
Acq: 22 Jul 2020 17:43

Tgt Ion: 98 Resp: 654211

Ion Ratio Lower Upper

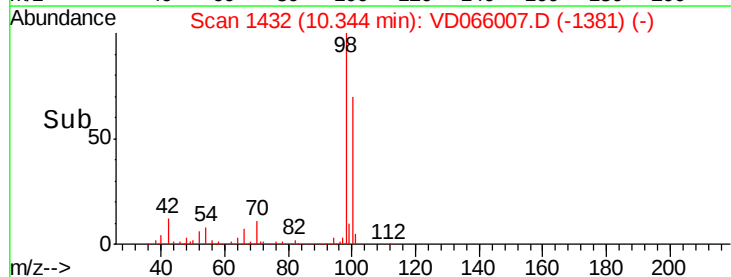
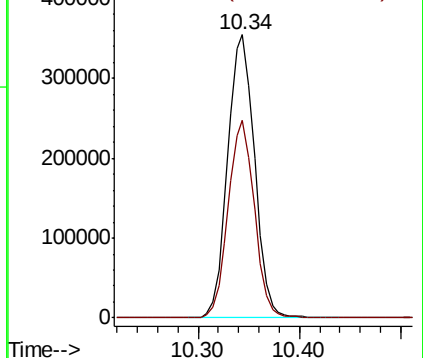
98 100

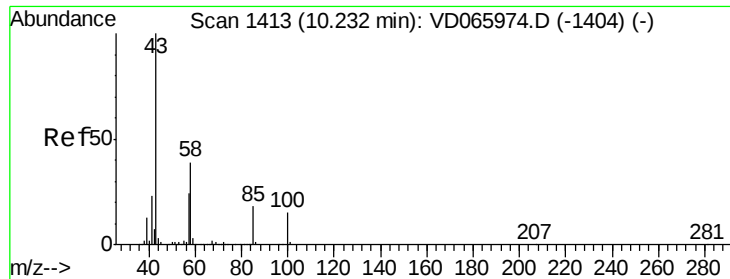
100 67.9 52.7 79.1



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: 1.783 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

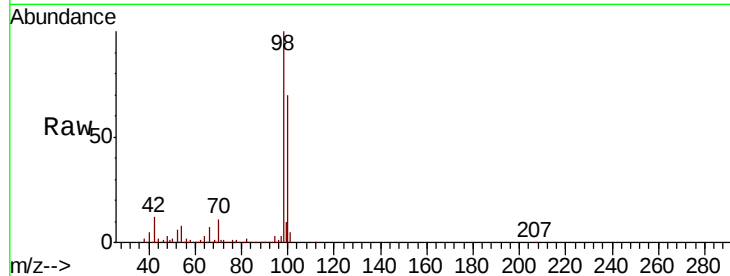
SU-04-072120

Tot Ion: 43 Resp: 3124

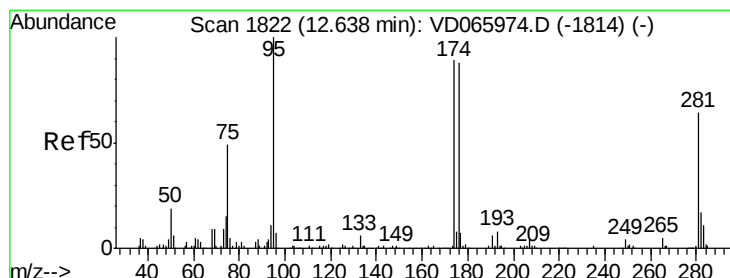
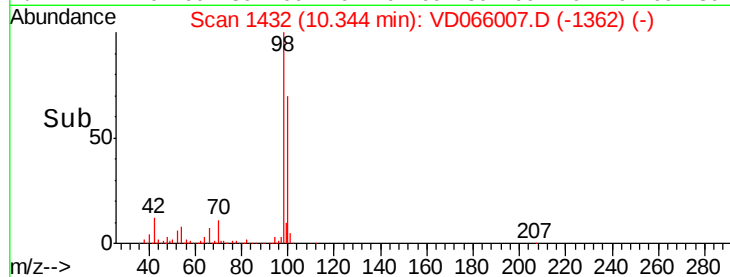
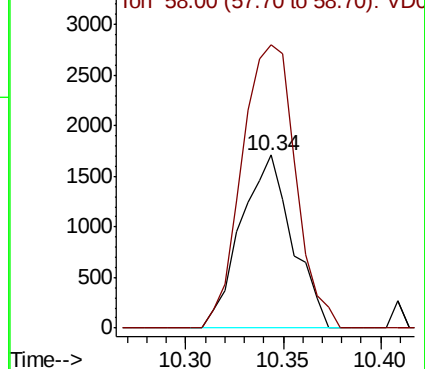
Ion Ratio Lower Upper

43 100

58 170.7 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.949 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066007.D

Acq: 22 Jul 2020 17:43

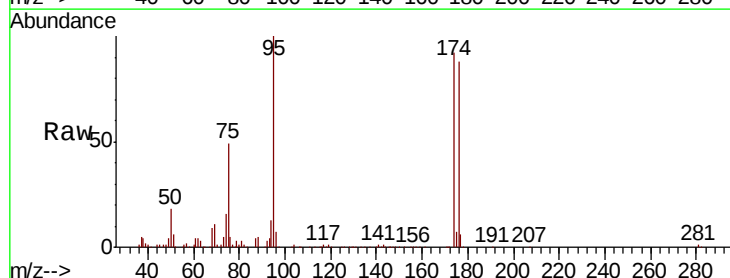
Tgt Ion: 95 Resp: 260902

Ion Ratio Lower Upper

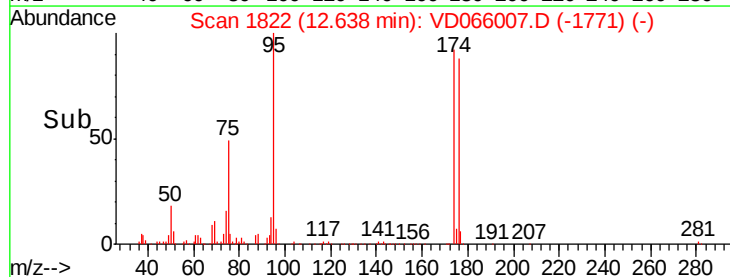
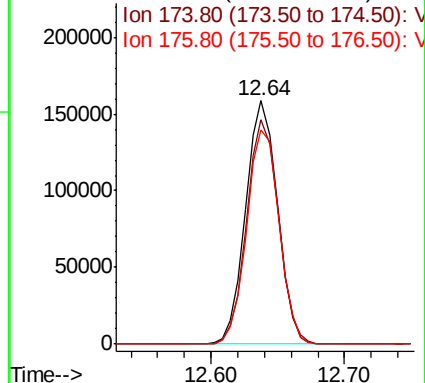
95 100

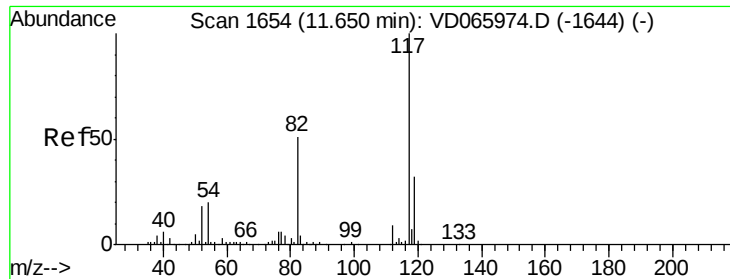
174 92.3 0.0 178.8

176 89.6 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

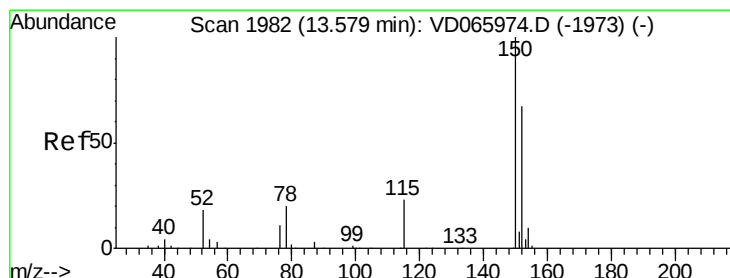
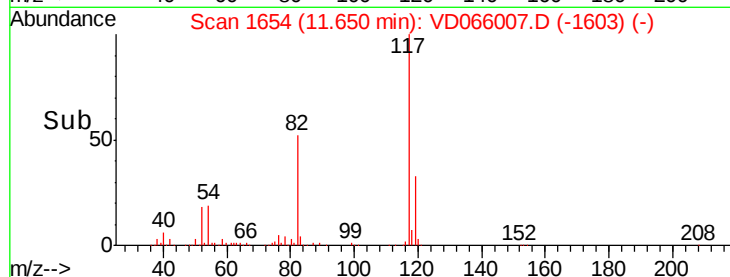
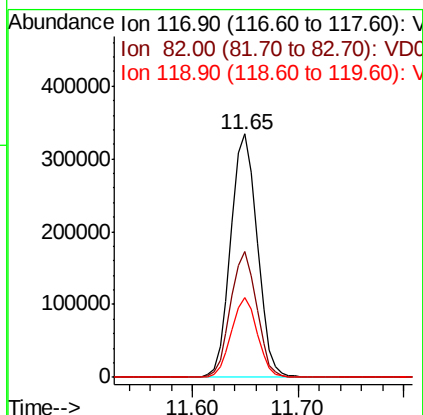
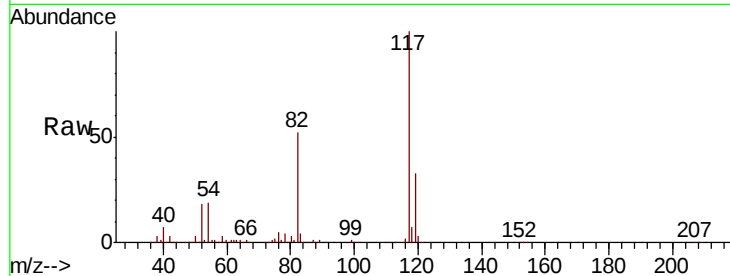




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066007.D
Acq: 22 Jul 2020 17:43

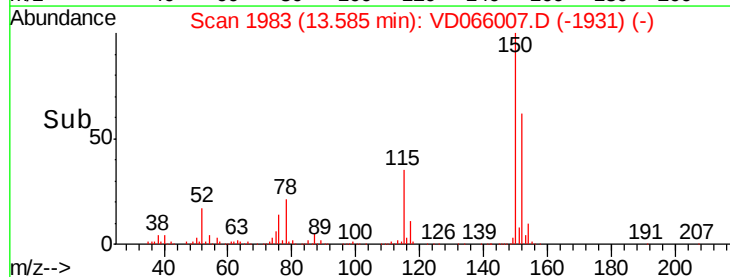
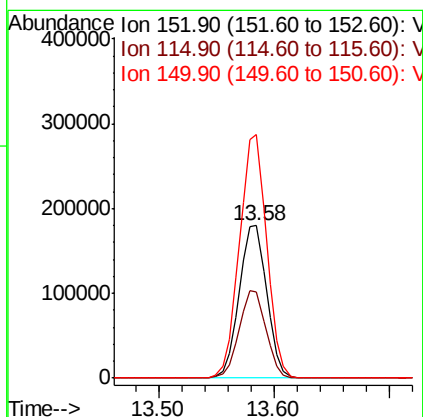
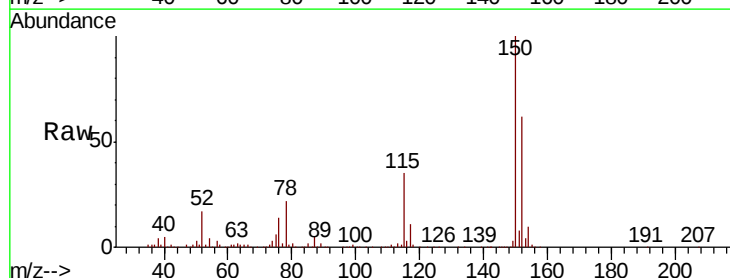
Instrument :
MSVOA_D
ClientSampleId :
SU-04-072120

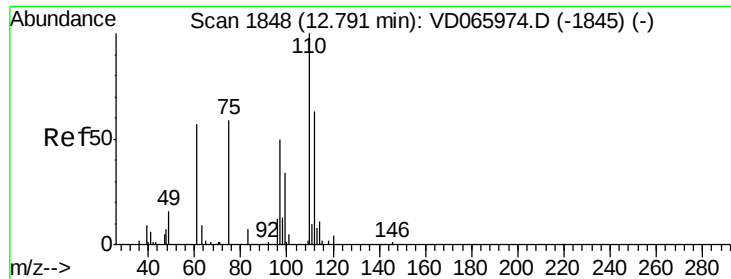
Tot Ion:117 Resp: 580111
Ion Ratio Lower Upper
117 100
82 51.8 41.1 61.7
119 32.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066007.D
Acq: 22 Jul 2020 17:43

Tgt Ion:152 Resp: 298641
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 157.4 0.0 348.2

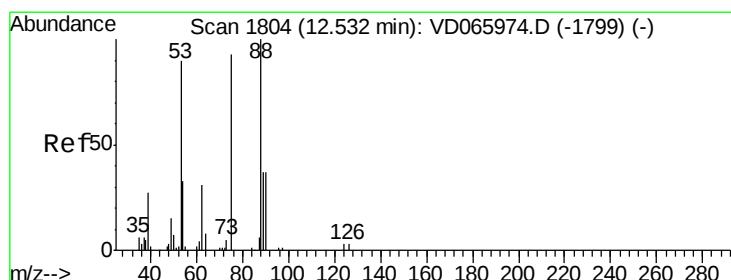
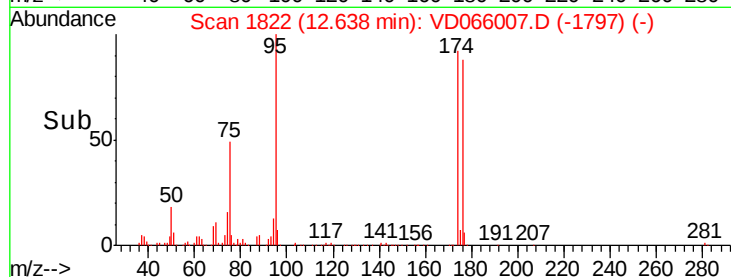
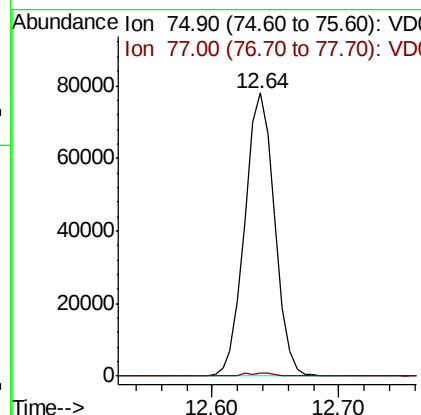
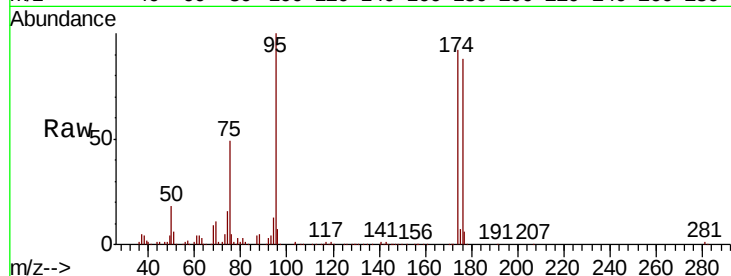




#76
 1,2,3-Trichloropropane
 Concen: 56.642 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

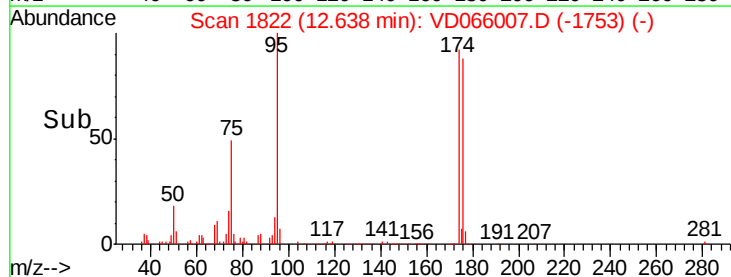
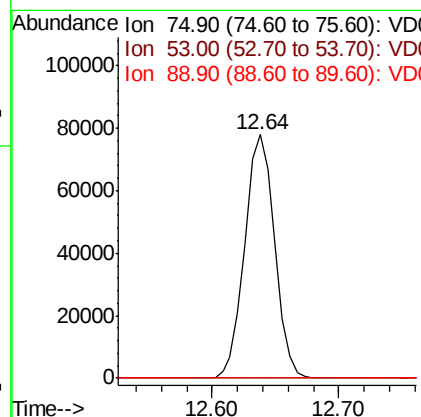
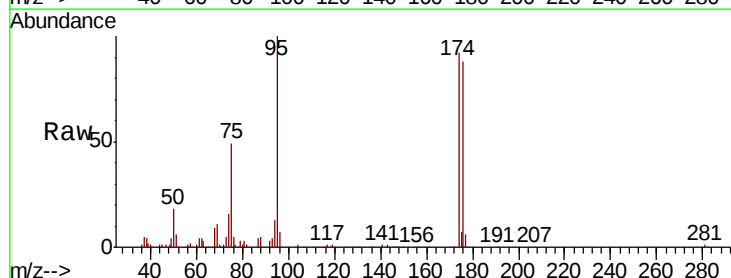
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-072120

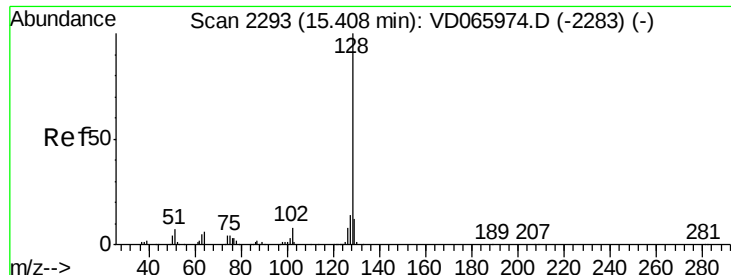
Tot Ion: 75 Resp: 127367
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.975 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066007.D
 Acq: 22 Jul 2020 17:43

Tgt Ion: 75 Resp: 127367
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.373 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066007.D
Acq: 22 Jul 2020 17:43

Instrument :
MSVOA_D
ClientSampleId :
SU-04-072120

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	10.1	8.9	13.3

