

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066057.D
 Acq On : 24 Jul 2020 19:46
 Operator : VA/SY
 Sample : L3436-02
 Misc : 6.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2

Quant Time: Jul 24 23:55:44 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	299512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	459876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	492229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253160	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	119364	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	7.91	113	140967	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.34	98	553608	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.64	95	222006	61.62	ug/l	0.00
Spiked Amount			Recovery	=	123.24%	

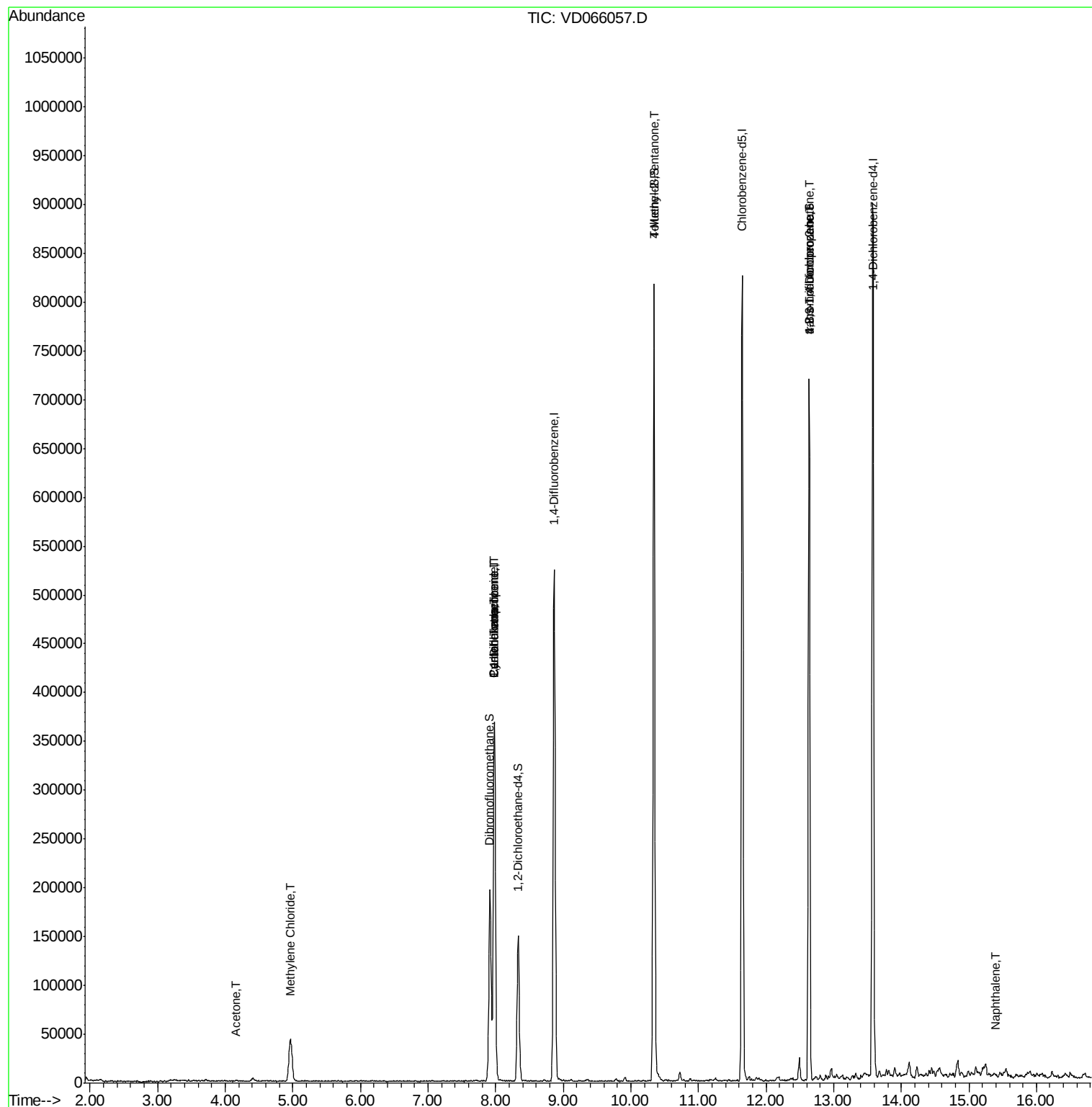
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	809	1.640	ug/l #	42
20) Methylene Chloride	4.96	84	35575	10.712	ug/l	91
31) Cyclohexane	7.98	56	5696	1.299	ug/l #	12
36) 1,1-Dichloropropene	7.98	75	19830	5.052	ug/l #	50
38) Carbon Tetrachloride	7.98	117	28325	6.651	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	2471	1.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	111490	58.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111490	134.212	ug/l #	11
95) Naphthalene	15.40	128	949	3.657	ug/l #	85

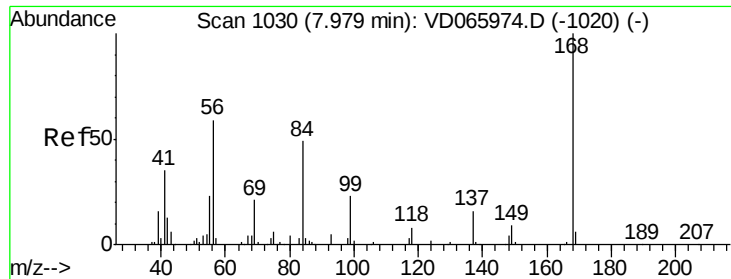
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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2

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Quant Title : SW846 8260
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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: VD066057.D

Acq: 24 Jul 2020 19:46

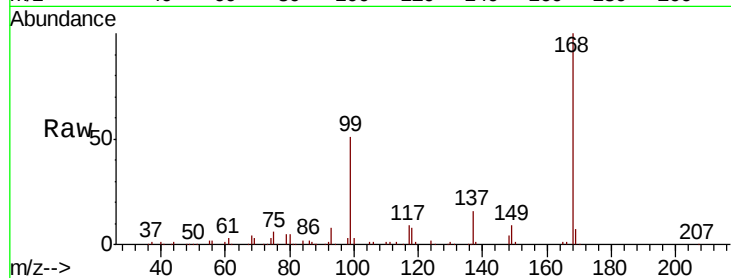
Instrument :
MSVOA_D
ClientSampled :
2

Tot Ion:168 Resp: 299512

Ion Ratio Lower Upper

168 100

99 51.1 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

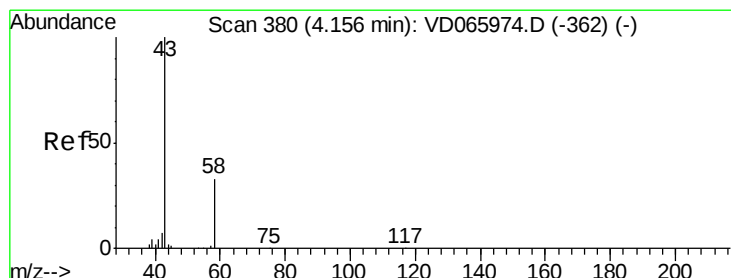
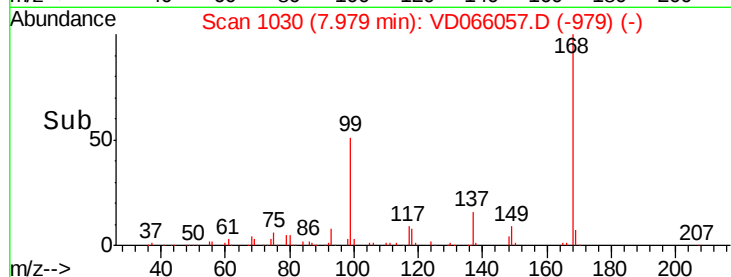
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.640 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066057.D

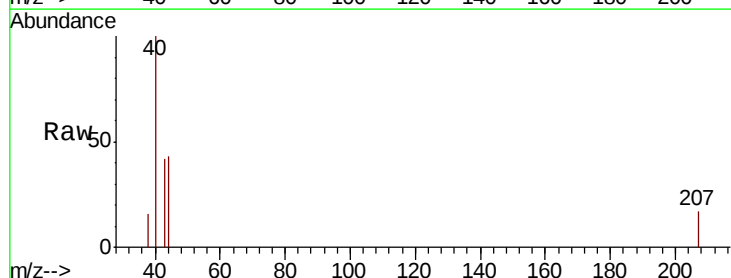
Acq: 24 Jul 2020 19:46

Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

600

500

400

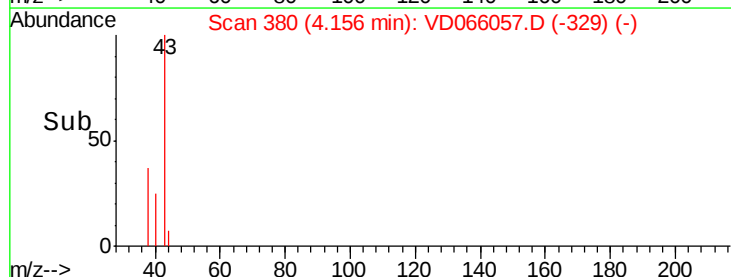
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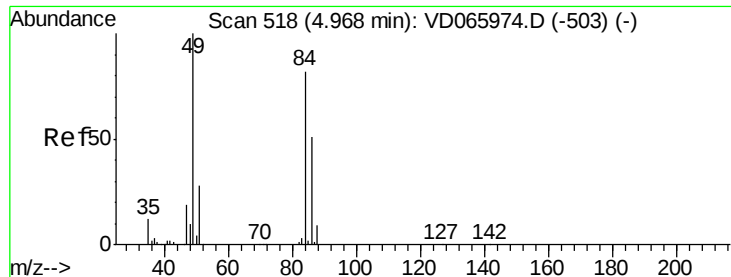
200

100

0

Time-->





#20

Methylene Chloride

Concen: 10.712 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

2

Tot Ion: 84 Resp: 35575

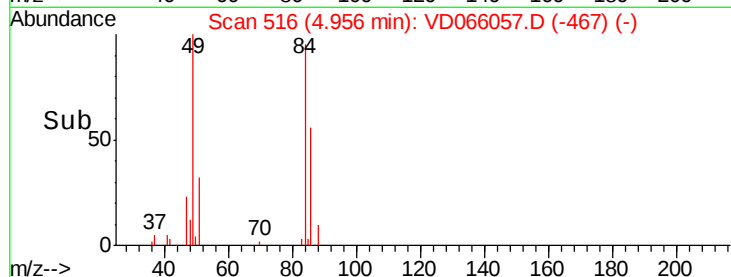
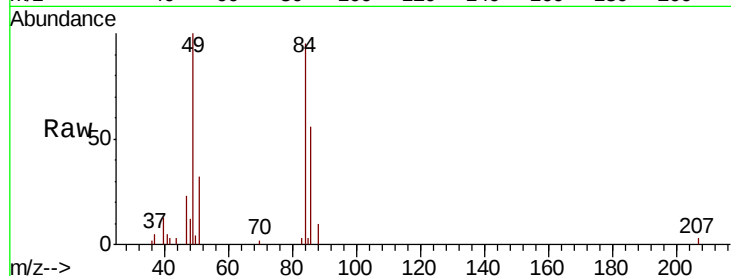
Ion Ratio Lower Upper

84 100

49 105.7 97.7 146.5

51 34.3 27.4 41.2

86 58.9 49.4 74.2

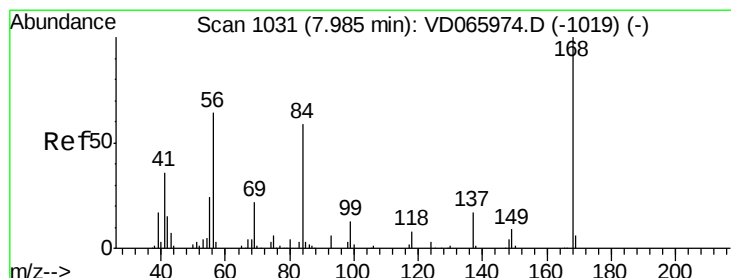
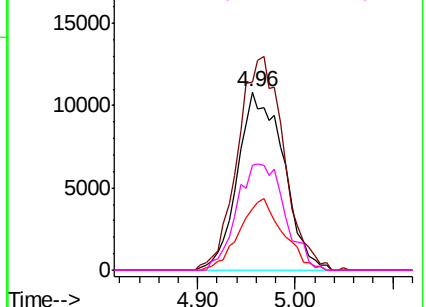


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.299 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

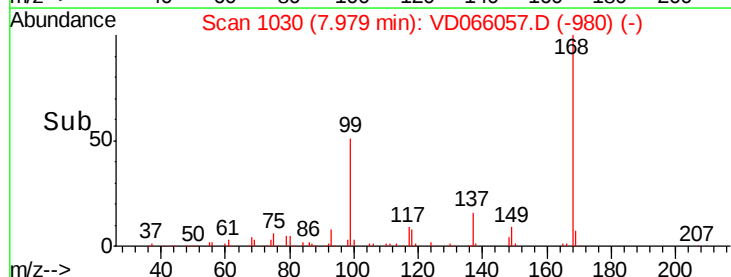
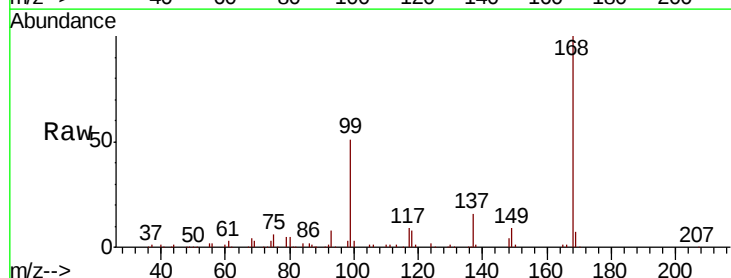
Tgt Ion: 56 Resp: 5696

Ion Ratio Lower Upper

56 100

69 180.4 28.0 42.0#

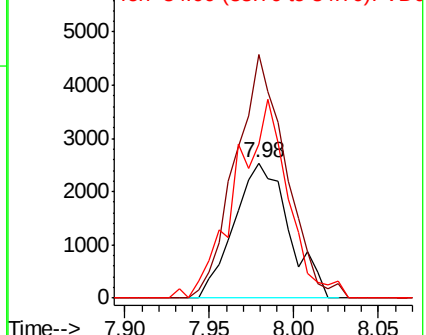
84 114.3 72.6 109.0#

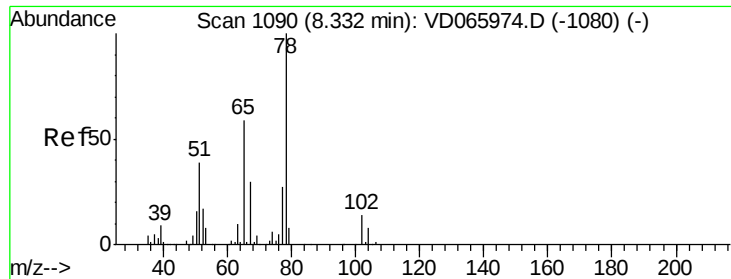


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

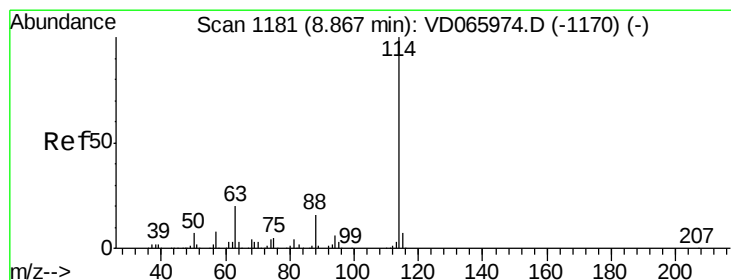
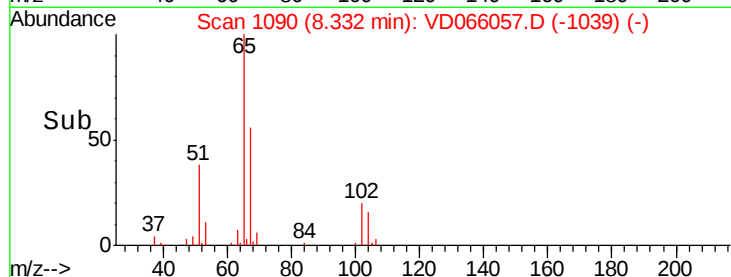
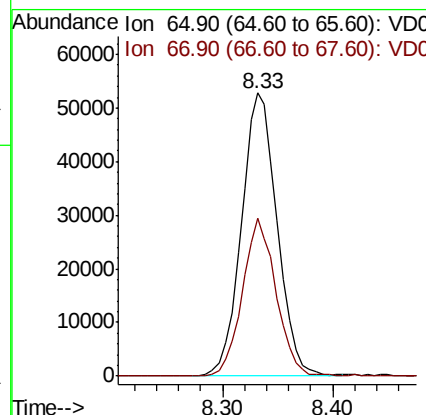
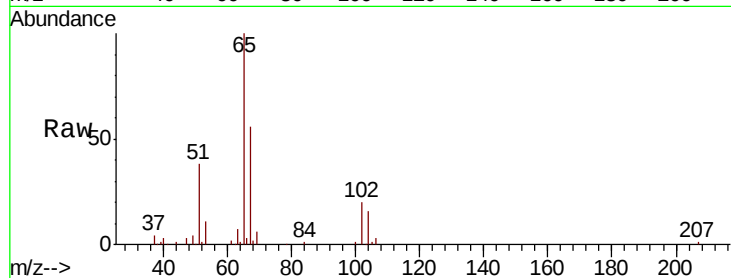




#33
 1,2-Dichloroethane-d4
 Concen: 48.978 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066057.D
 Acq: 24 Jul 2020 19:46

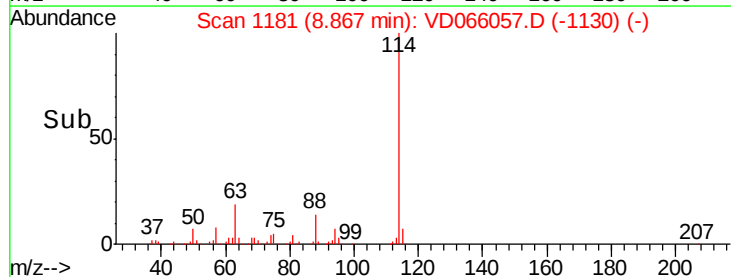
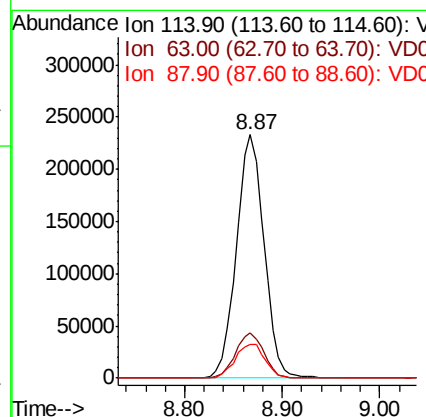
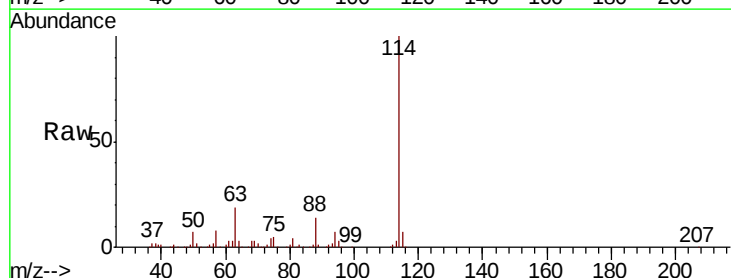
Instrument :
 MSVOA_D
 ClientSampleId :
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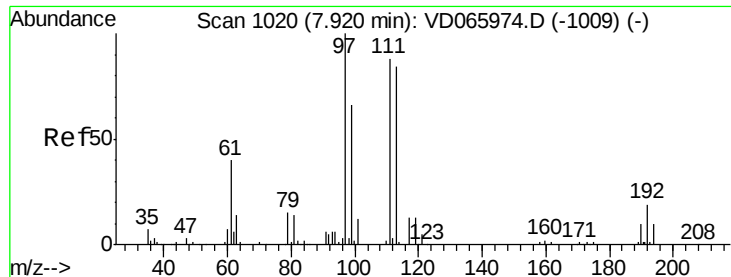
Tot Ion: 65 Resp: 119364
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066057.D
 Acq: 24 Jul 2020 19:46

Tgt Ion: 114 Resp: 459876
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 14.0 0.0 31.2

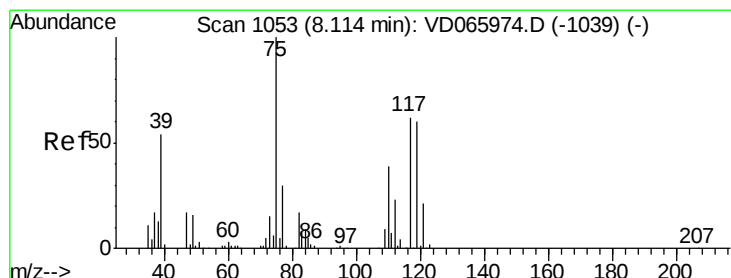
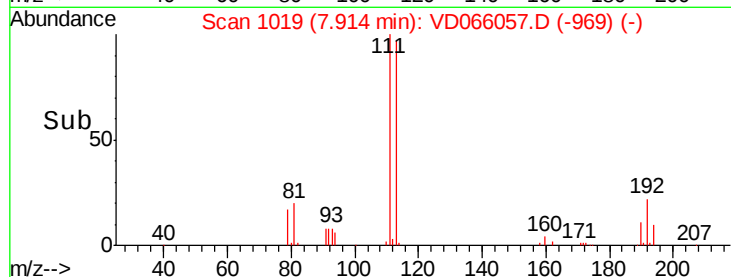
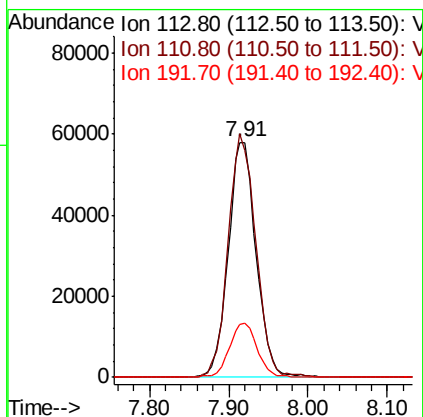
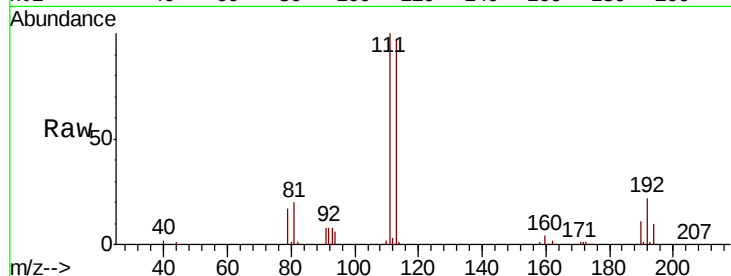




#35
 Dibromofluoromethane
 Concen: 50.539 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066057.D
 Acq: 24 Jul 2020 19:46

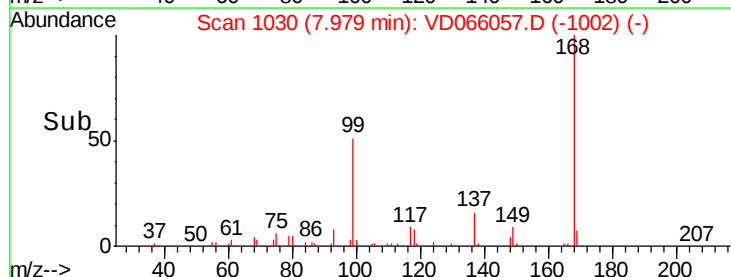
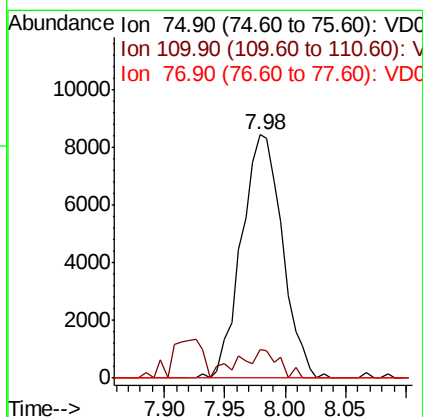
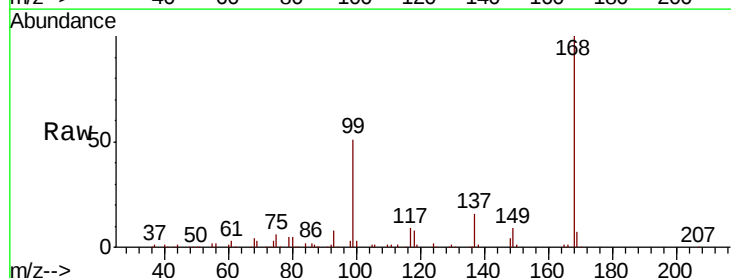
Instrument :
 MSVOA_D
 ClientSampleId :
 2

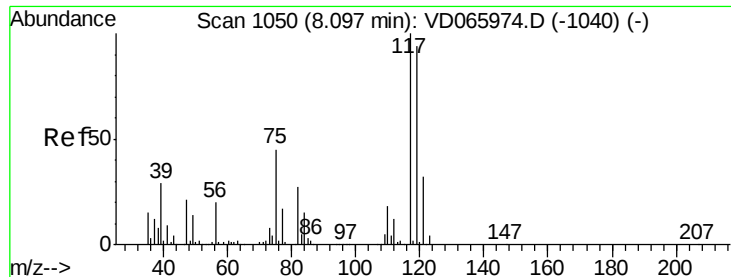
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	22.6	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 5.052 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066057.D
 Acq: 24 Jul 2020 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	19.5	58.5#
77	0.0	24.7	37.1#

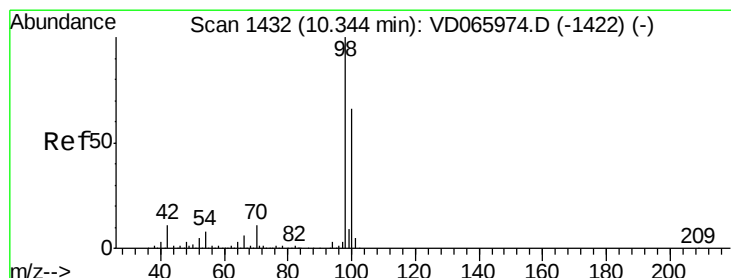
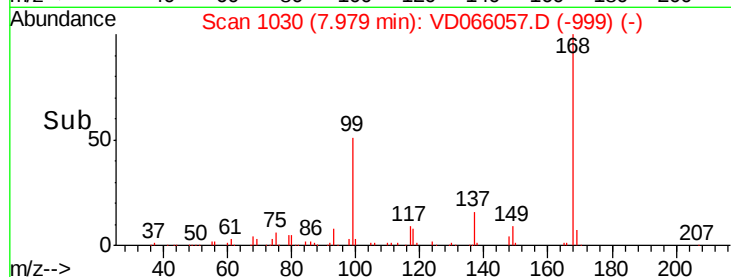
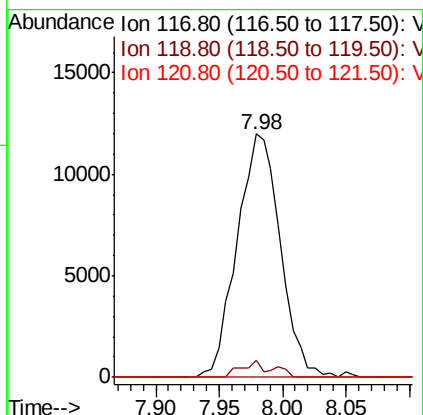
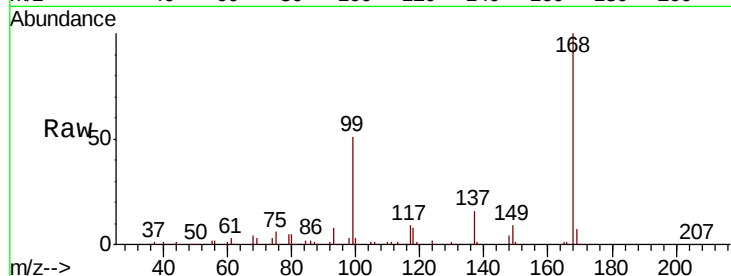




#38
Carbon Tetrachloride
Concen: 6.651 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066057.D
Acq: 24 Jul 2020 19:46

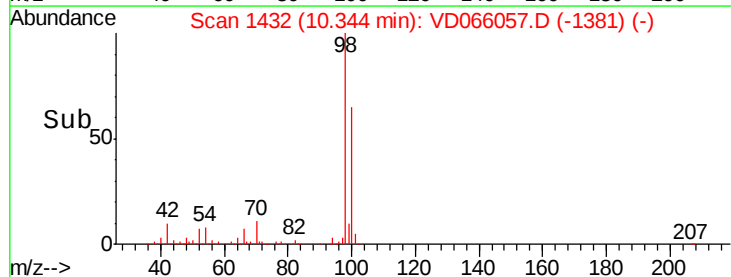
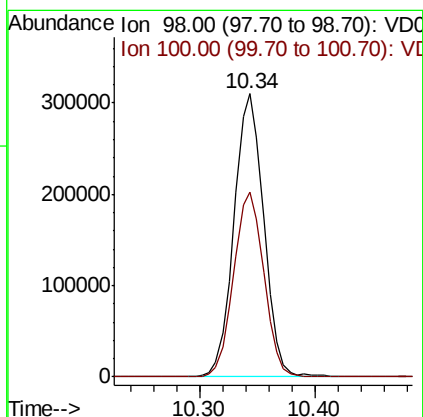
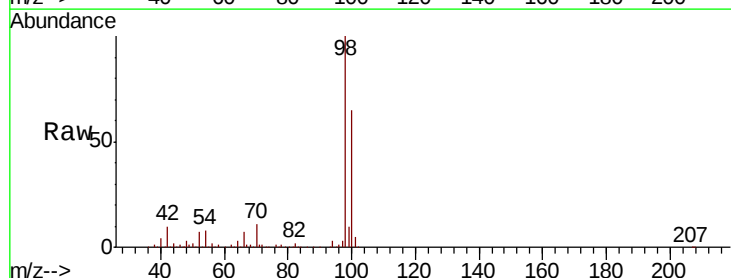
Instrument :
MSVOA_D
ClientSampleId :
2

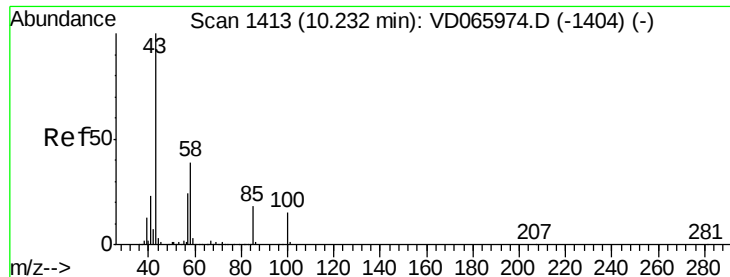
Tot Ion:117 Resp: 28325
Ion Ratio Lower Upper
117 100
119 7.1 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.278 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066057.D
Acq: 24 Jul 2020 19:46

Tgt Ion: 98 Resp: 553608
Ion Ratio Lower Upper
98 100
100 66.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.675 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

Instrument :

MSVOA_D

ClientSampled :

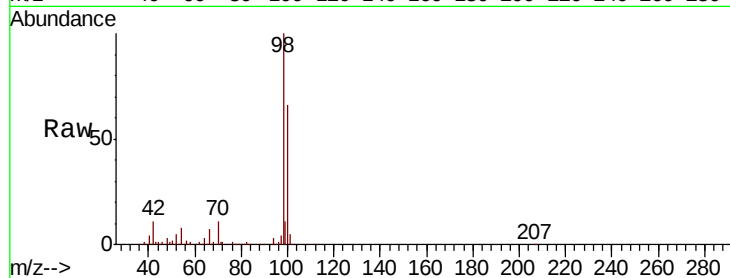
2

Tot Ion: 43 Resp: 2471

Ion Ratio Lower Upper

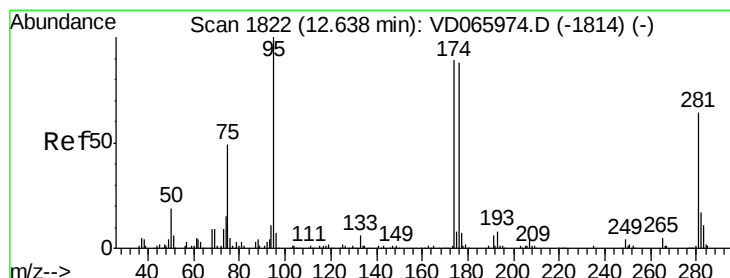
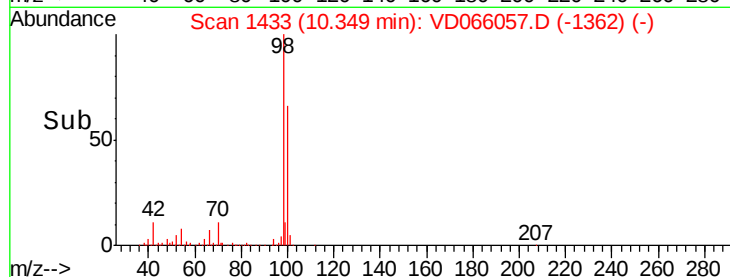
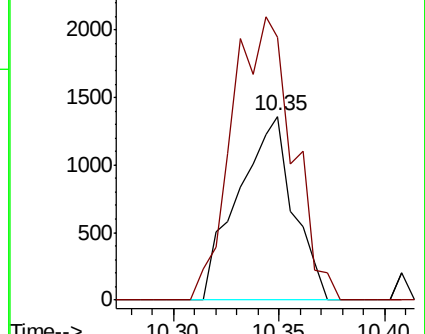
43 100

58 169.9 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: 61.619 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

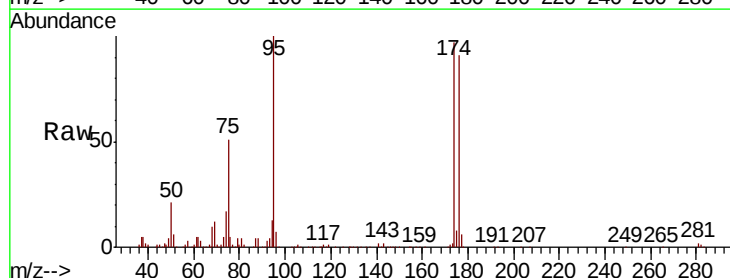
Tgt Ion: 95 Resp: 222006

Ion Ratio Lower Upper

95 100

174 95.8 0.0 178.8

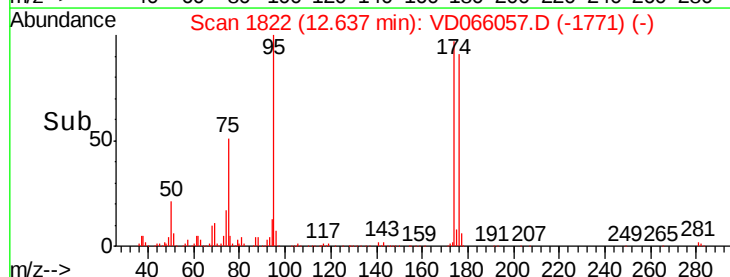
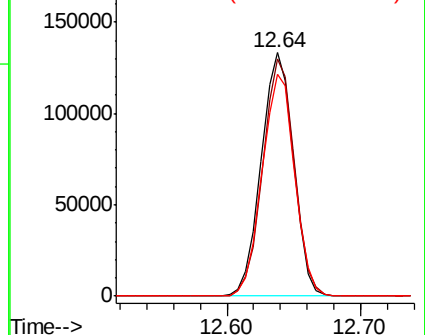
176 92.2 0.0 172.6

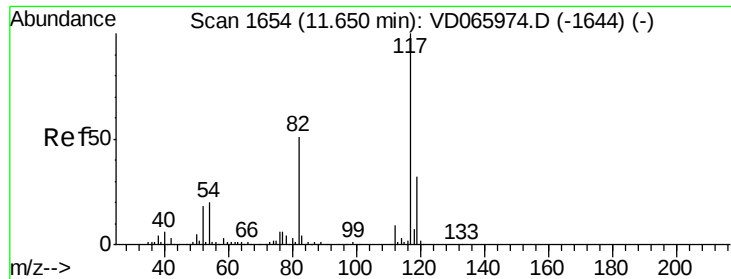


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

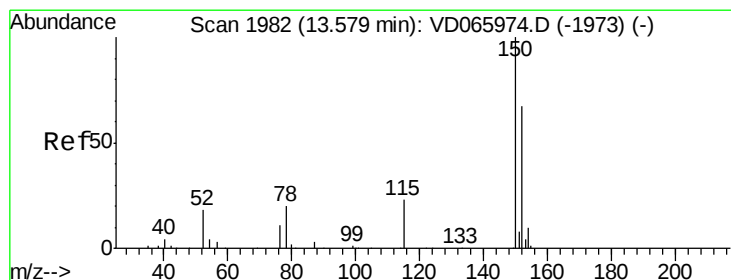
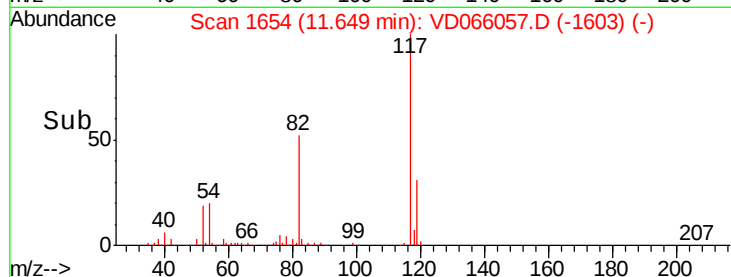
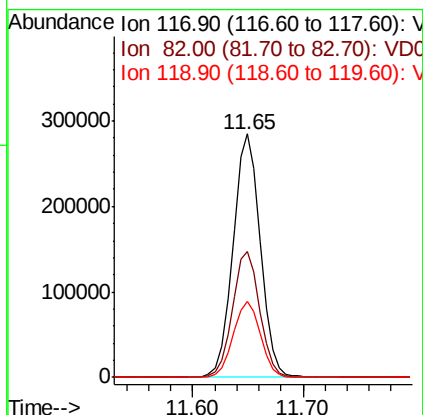
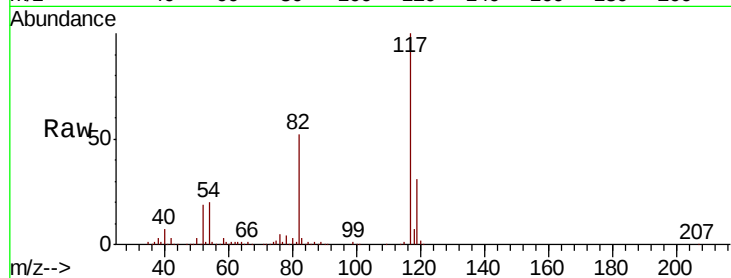




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066057.D
Acq: 24 Jul 2020 19:46

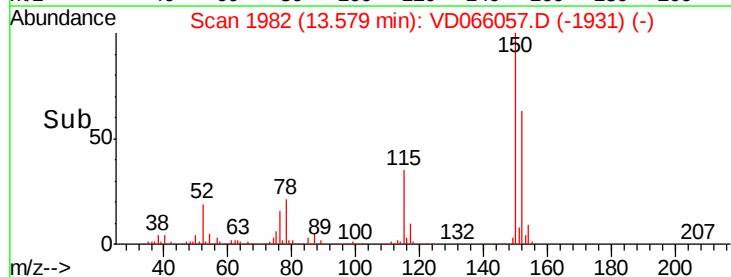
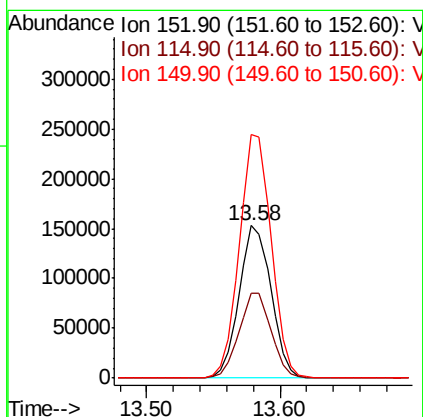
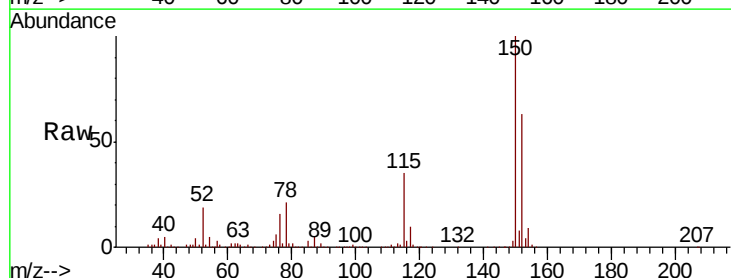
Instrument :
MSVOA_D
ClientSampleId :
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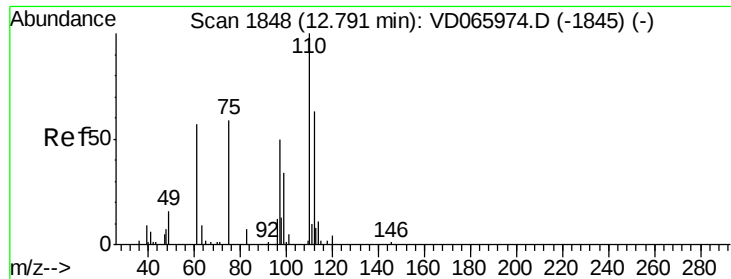
Tot Ion:117 Resp: 492229
Ion Ratio Lower Upper
117 100
82 51.7 41.1 61.7
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066057.D
Acq: 24 Jul 2020 19:46

Tgt Ion:152 Resp: 253160
Ion Ratio Lower Upper
152 100
115 55.8 27.9 83.7
150 159.3 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 58.489 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

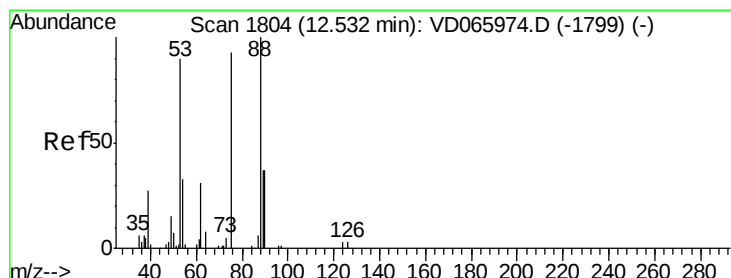
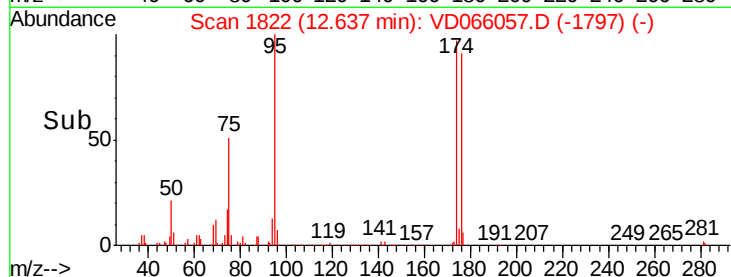
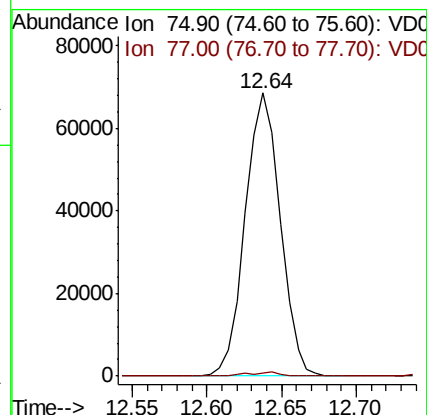
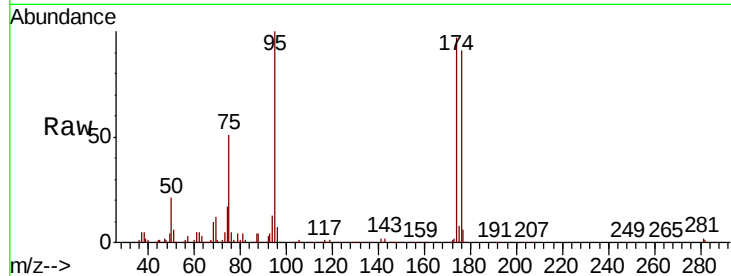
2

Tot Ion: 75 Resp: 111490

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.212 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

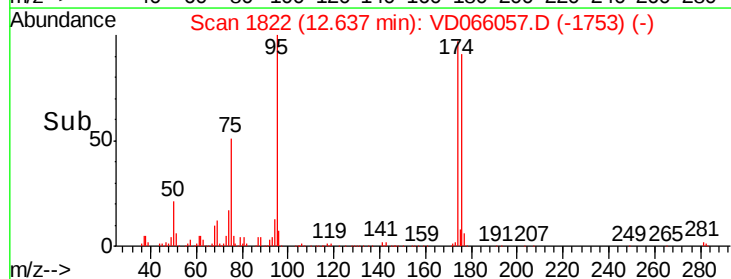
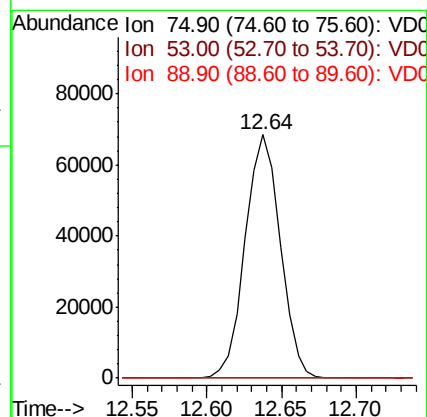
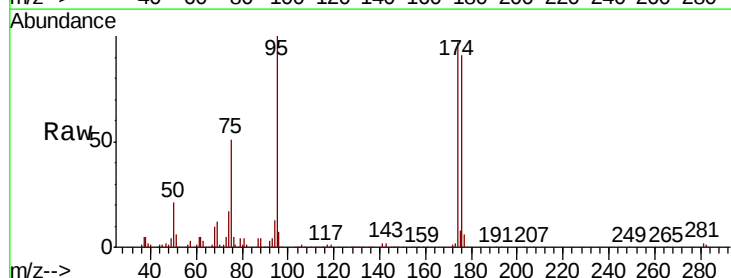
Tgt Ion: 75 Resp: 111490

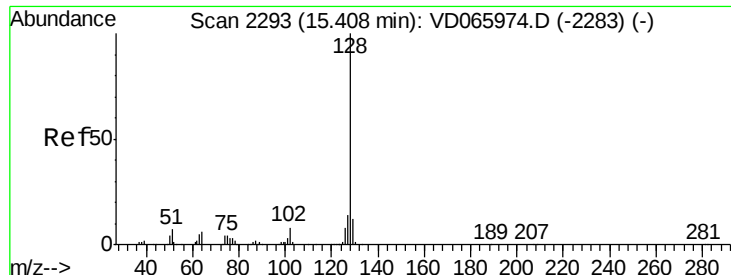
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 3.657 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.01 min

Lab File: VD066057.D

Acq: 24 Jul 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

2

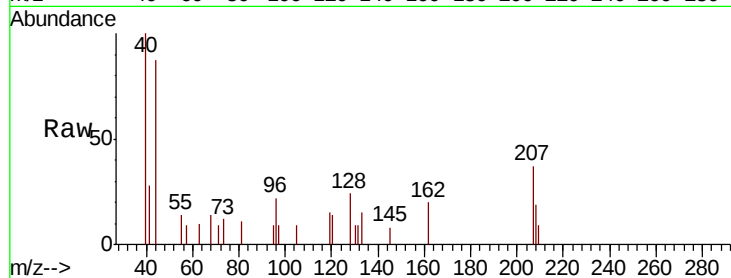
Tot Ion:128 Resp: 949

Ion Ratio Lower Upper

128 100

127 7.1 10.8 16.2#

129 5.7 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

