

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065840.D
 Acq On : 19 Jun 2020 20:29
 Operator : VA/SY
 Sample : L3035-16
 Misc : 7.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2-SP-3-5

Quant Time: Jun 20 01:28:42 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	132184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	236839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	201870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	74763	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	65943	50.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.98%	
35) Dibromofluoromethane	7.91	113	69300	46.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.64%	
50) Toluene-d8	10.34	98	246637	44.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.42%	
62) 4-Bromofluorobenzene	12.64	95	64075	33.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.74%	

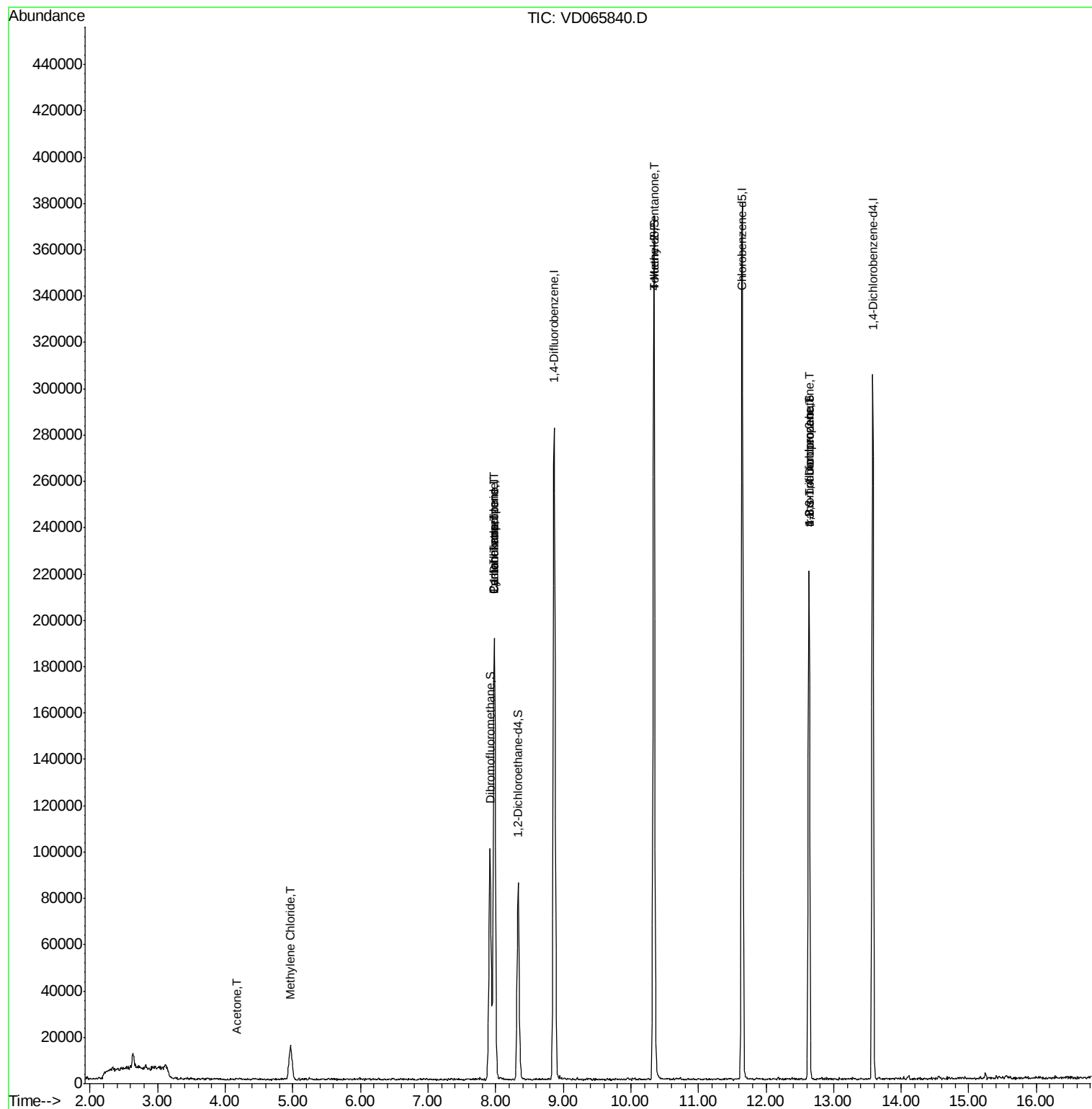
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	135	Below Cal	#	43
16) Acetone	4.16	43	341	1.384	ug/l #	47
18) Methyl Acetate	4.77	43	56	Below Cal	#	52
20) Methylene Chloride	4.96	84	11084	4.414	ug/l #	92
31) Cyclohexane	7.98	56	3854	1.645	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	11585	5.106	ug/l #	52
38) Carbon Tetrachloride	7.98	117	13846	5.799	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	1389	1.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	37172	63.931	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	37172	138.130	ug/l #	9

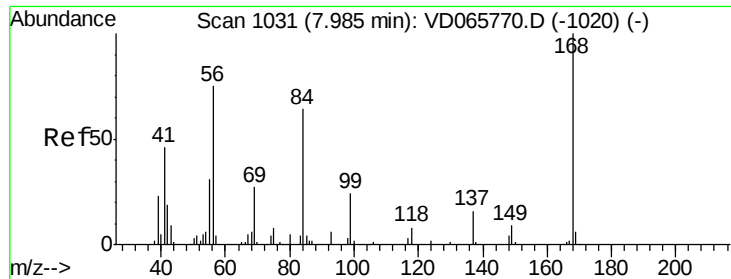
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

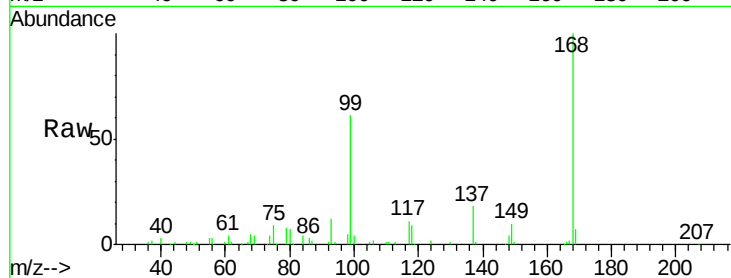
2-SP-3-5

Tgt Ion:168 Resp: 132184

Ion Ratio Lower Upper

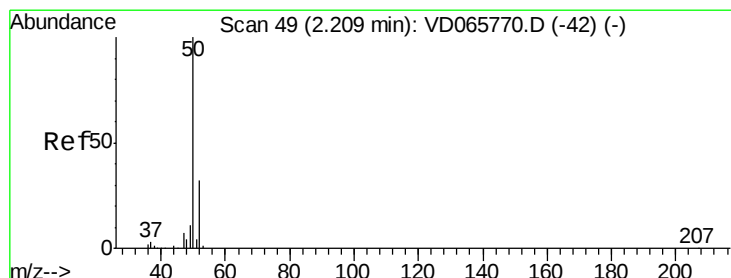
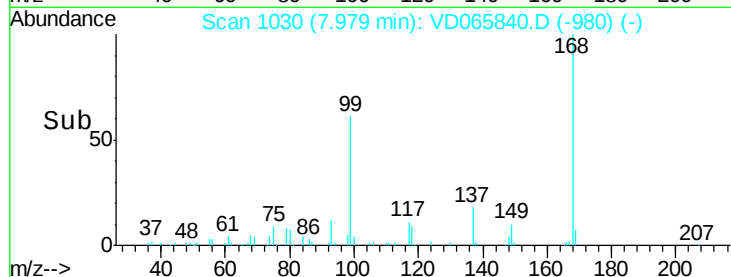
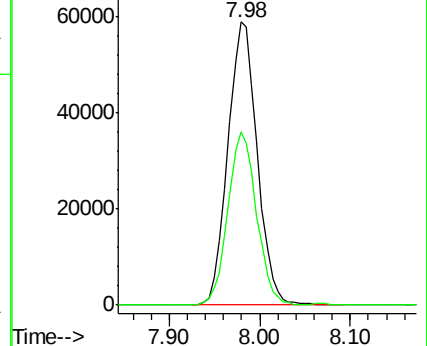
168 100

99 61.3 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# 47

Delta R.T. -0.01 min

Lab File: VD065840.D

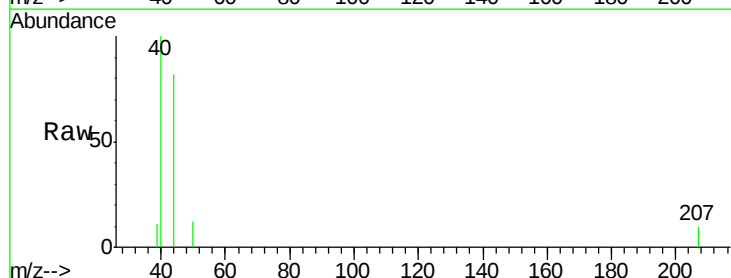
Acq: 19 Jun 2020 20:29

Tgt Ion: 50 Resp: 135

Ion Ratio Lower Upper

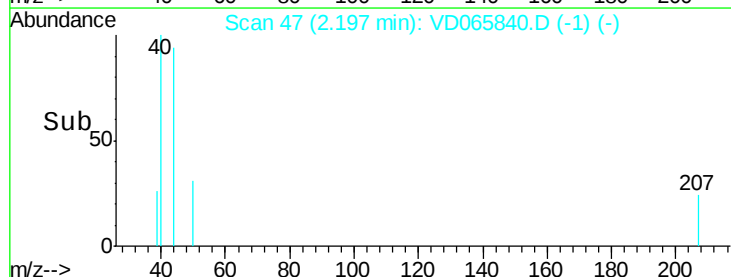
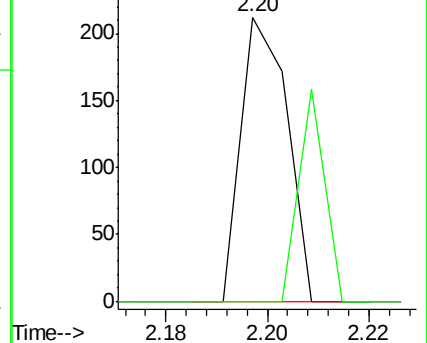
50 100

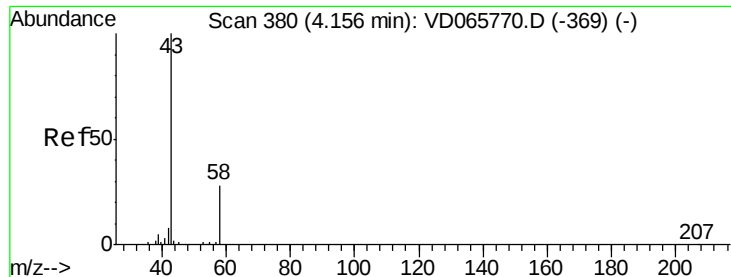
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 1.384 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

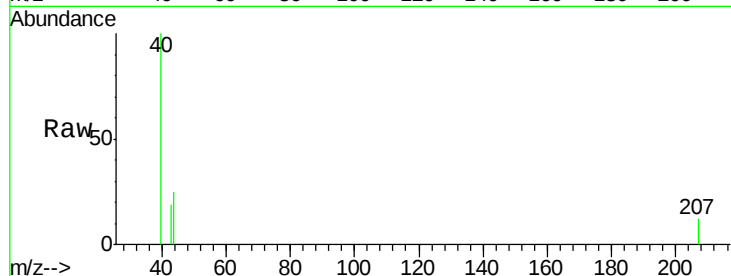
2-SP-3-5

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

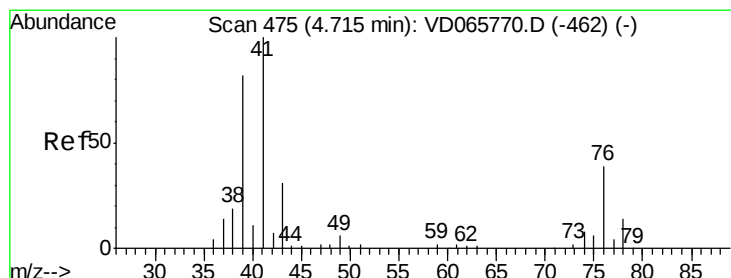
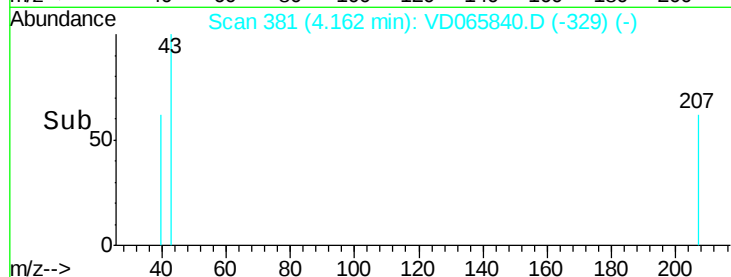
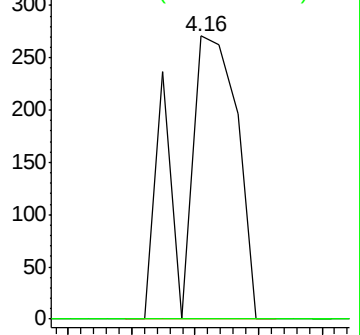
43 100

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: 4.77 min Scan# 485

Delta R.T. 0.06 min

Lab File: VD065840.D

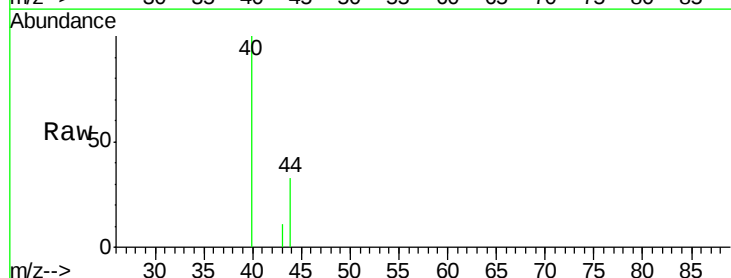
Acq: 19 Jun 2020 20:29

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

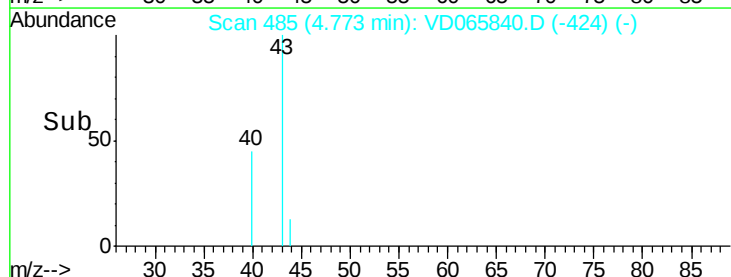
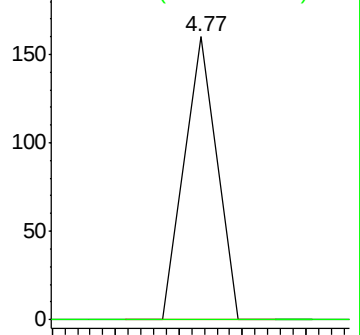
43 100

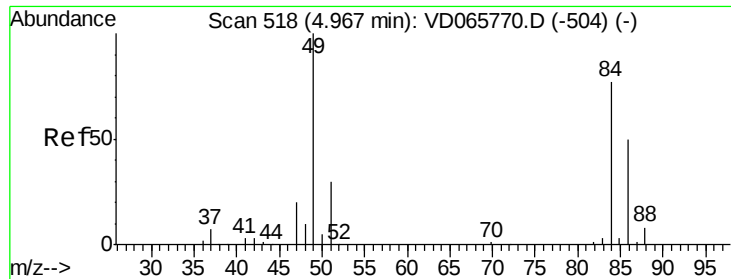
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

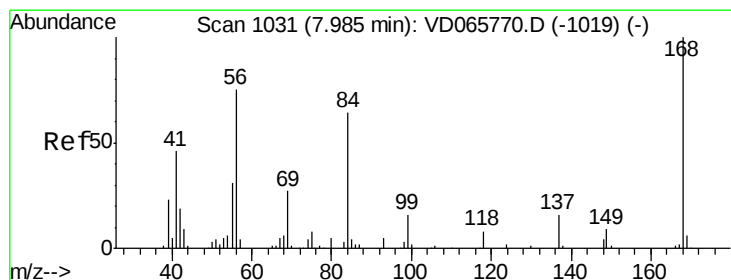
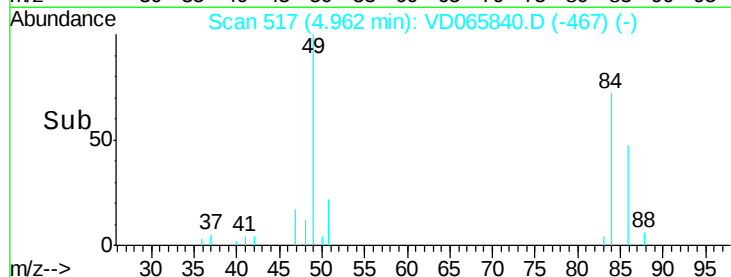
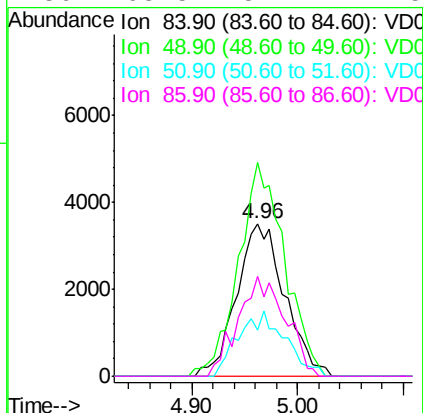
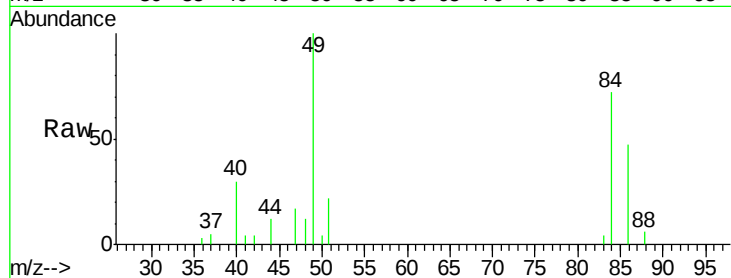




#20
Methylene Chloride
Concen: 4.414 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065840.D
Acq: 19 Jun 2020 20:29

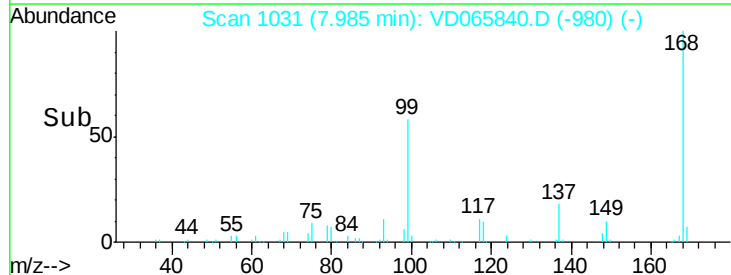
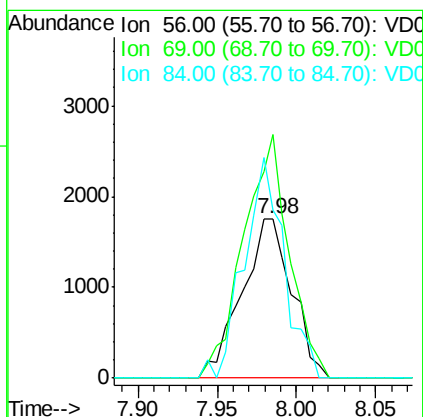
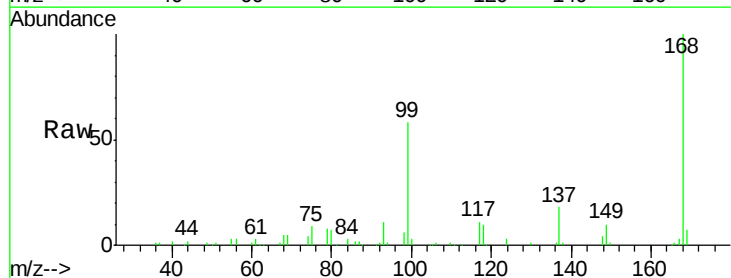
Instrument :
MSVOA_D
ClientSampleId :
2-SP-3-5

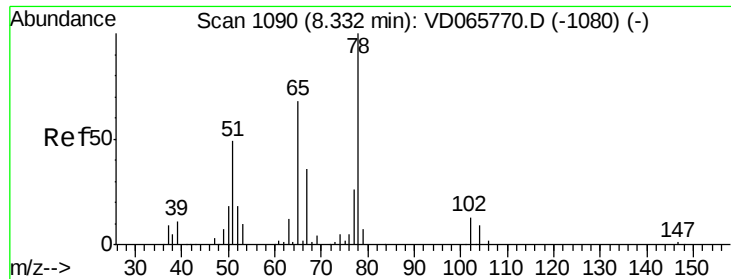
Tgt Ion: 84 Resp: 11084
Ion Ratio Lower Upper
84 100
49 139.8 103.4 155.0
51 30.4 31.4 47.2#
86 65.5 51.7 77.5



#31
Cyclohexane
Concen: 1.645 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065840.D
Acq: 19 Jun 2020 20:29

Tgt Ion: 56 Resp: 3854
Ion Ratio Lower Upper
56 100
69 152.6 28.5 42.7#
84 105.4 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 50.486 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

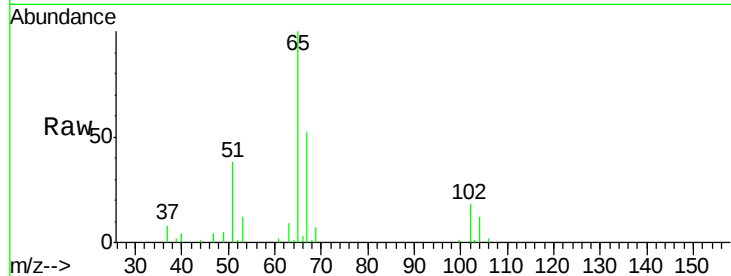
2-SP-3-5

Tgt Ion: 65 Resp: 65943

Ion Ratio Lower Upper

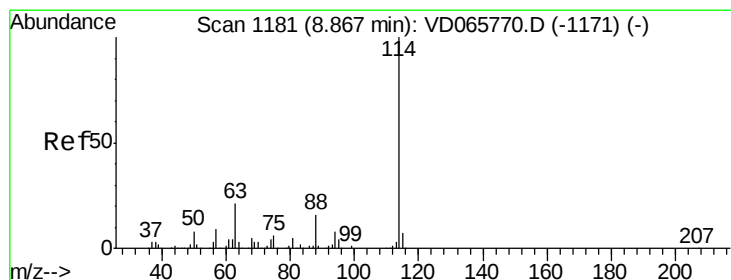
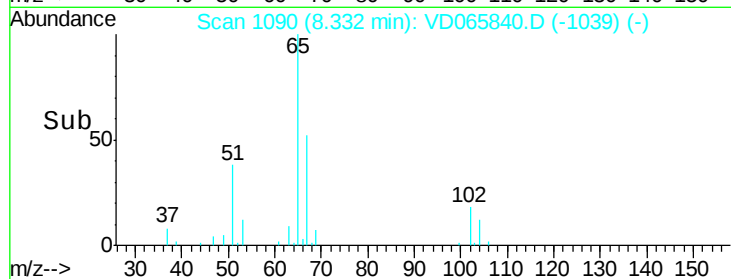
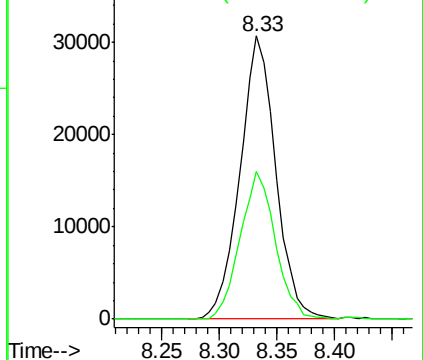
65 100

67 51.4 0.0 103.6



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: VD065840.D

Acq: 19 Jun 2020 20:29

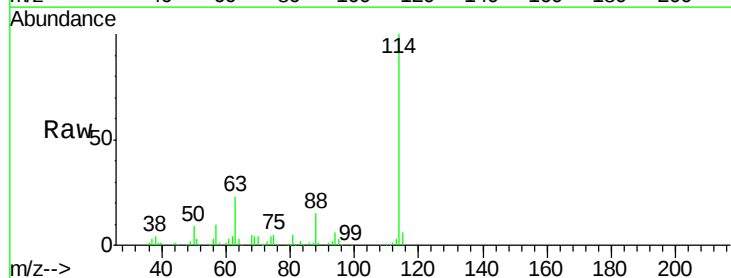
Tgt Ion: 114 Resp: 236839

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

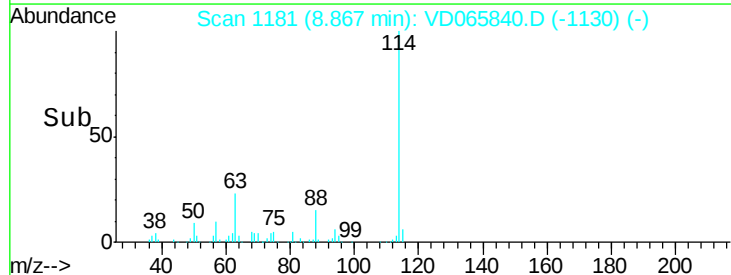
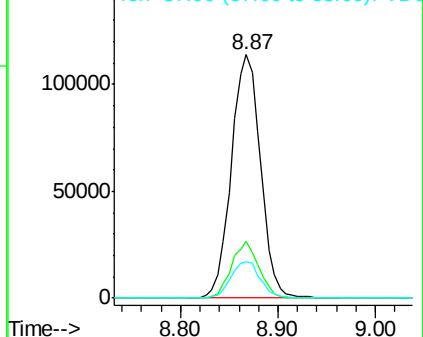
88 15.0 0.0 32.0

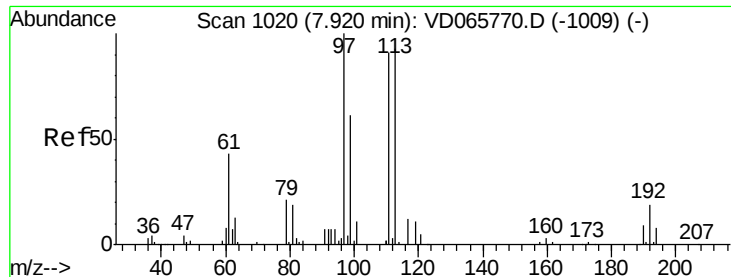


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

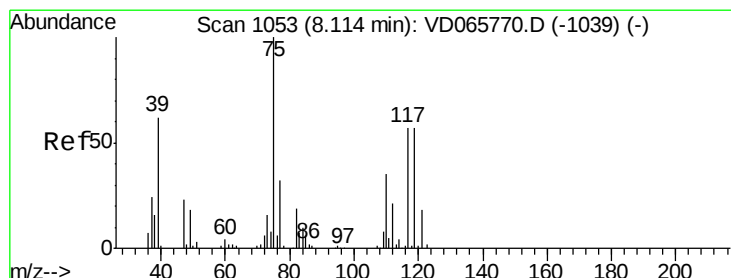
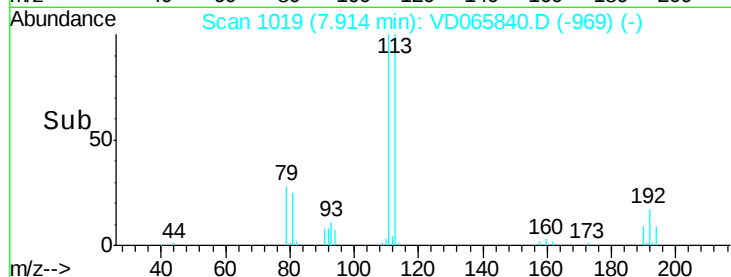
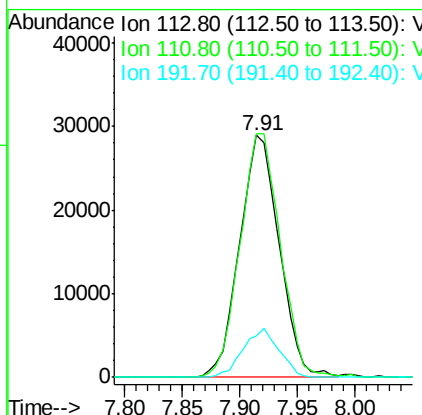
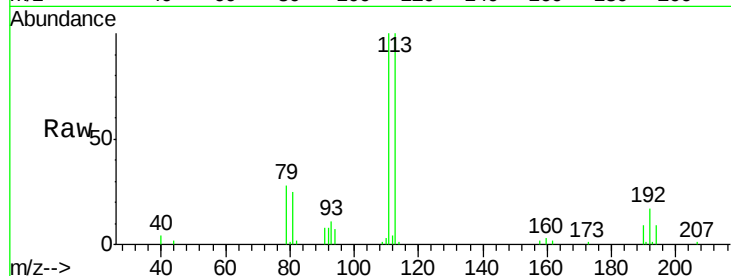




#35
 Dibromofluoromethane
 Concen: 46.323 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065840.D
 Acq: 19 Jun 2020 20:29

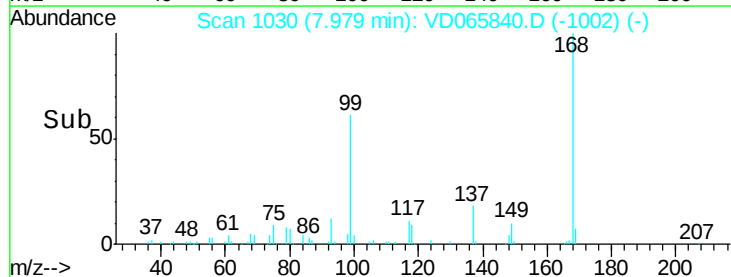
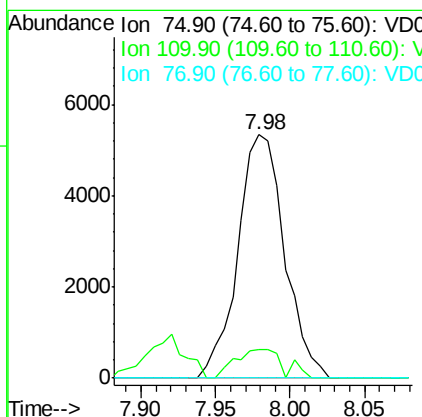
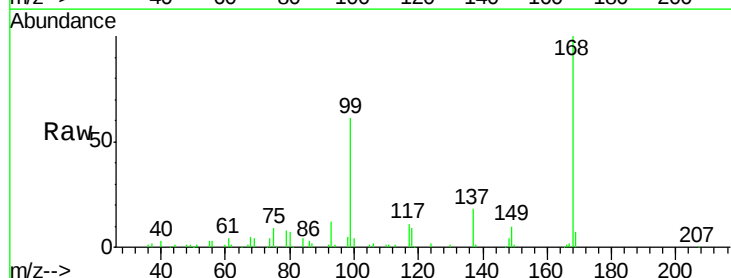
Instrument :
 MSVOA_D
 ClientSampleId :
 2-SP-3-5

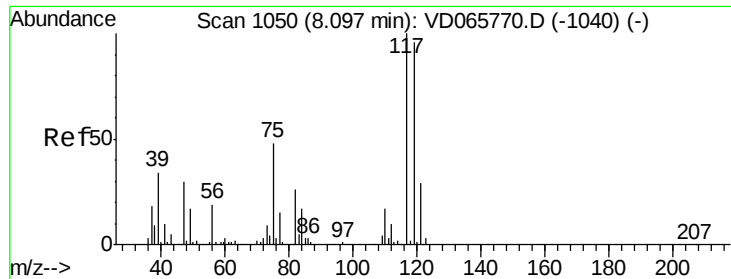
Tgt Ion: 113 Resp: 69300
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.0
 192 18.3 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065840.D
 Acq: 19 Jun 2020 20:29

Tgt Ion: 75 Resp: 11585
 Ion Ratio Lower Upper
 75 100
 110 12.3 17.6 52.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

2-SP-3-5

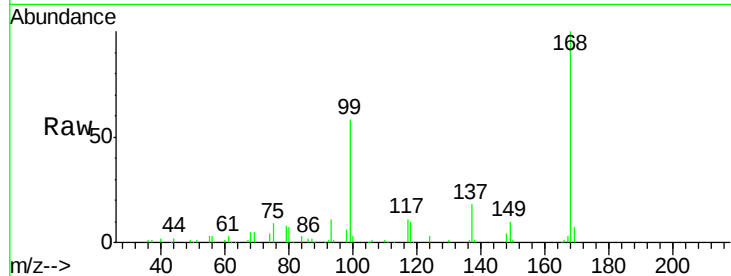
Tgt Ion:117 Resp: 13846

Ion Ratio Lower Upper

117 100

119 3.3 76.8 115.2#

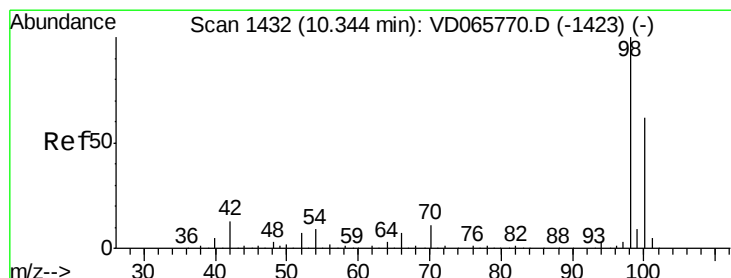
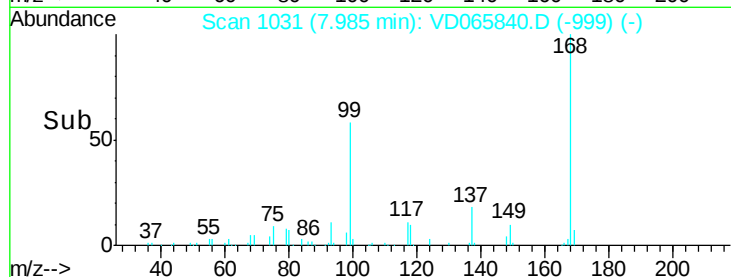
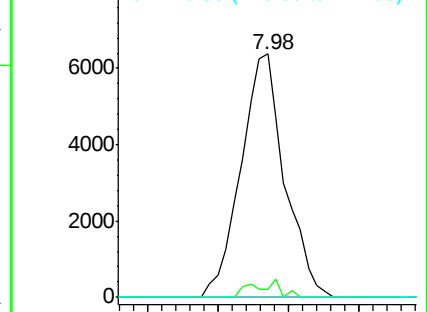
121 0.0 23.4 35.2#



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: 44.212 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065840.D

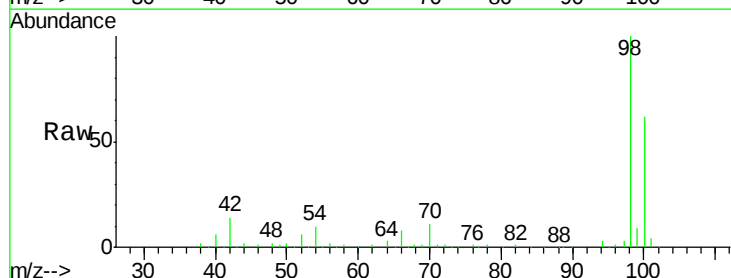
Acq: 19 Jun 2020 20:29

Tgt Ion: 98 Resp: 246637

Ion Ratio Lower Upper

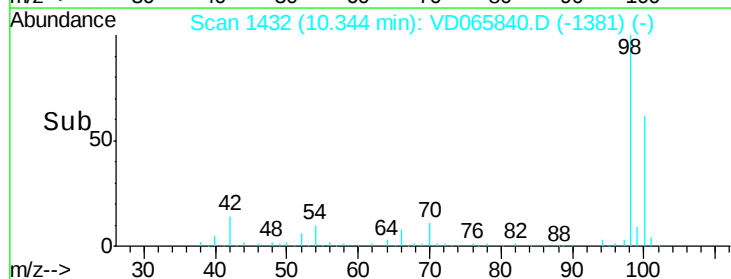
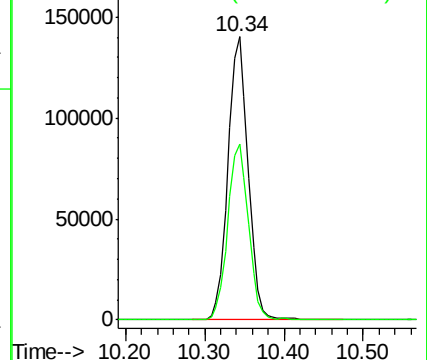
98 100

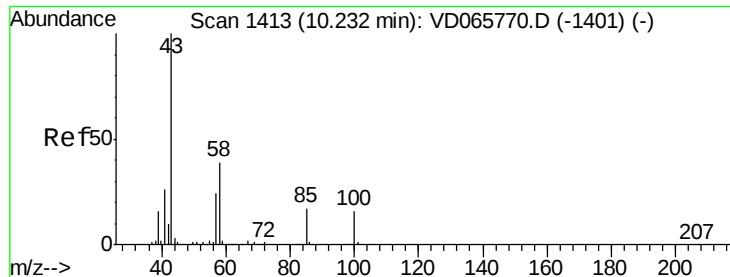
100 64.1 51.4 77.2



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: 1.595 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

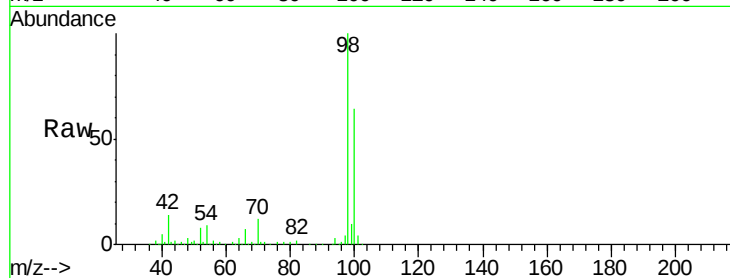
2-SP-3-5

Tgt Ion: 43 Resp: 1389

Ion Ratio Lower Upper

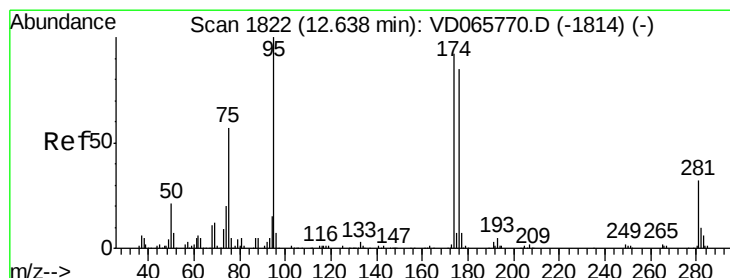
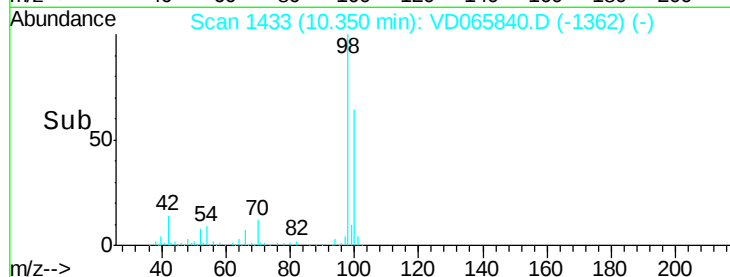
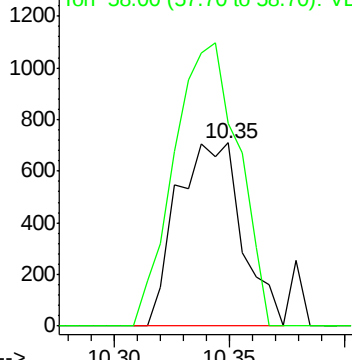
43 100

58 153.6 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 33.869 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

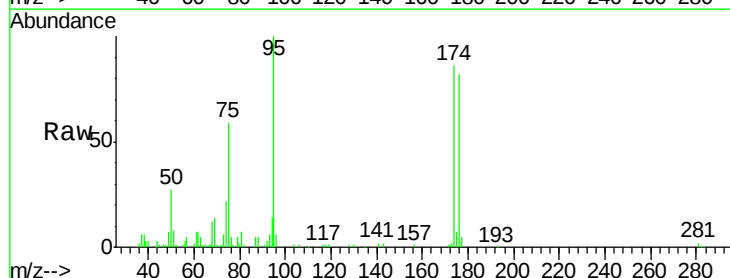
Tgt Ion: 95 Resp: 64075

Ion Ratio Lower Upper

95 100

174 82.4 0.0 175.2

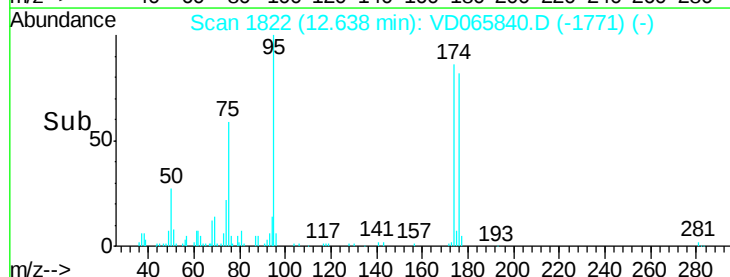
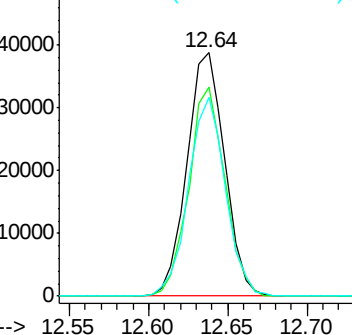
176 80.2 0.0 163.0

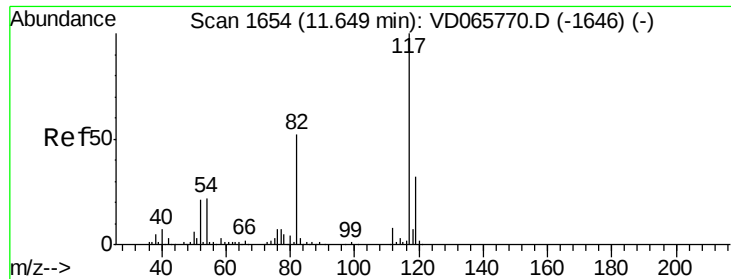


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

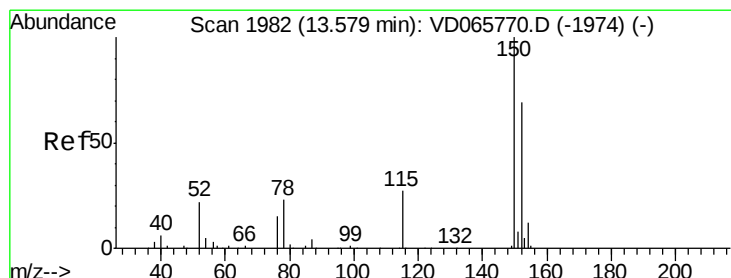
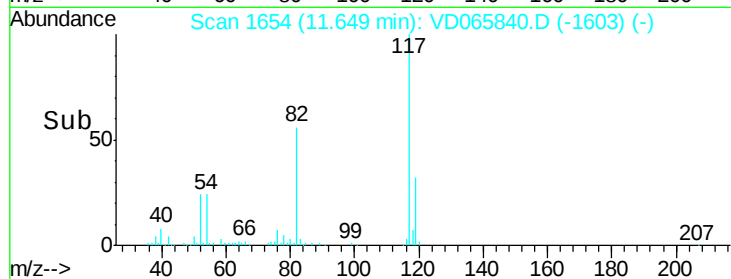
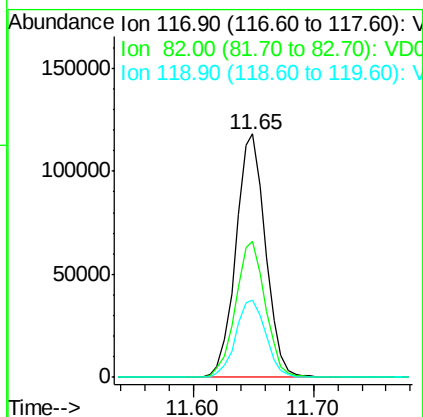
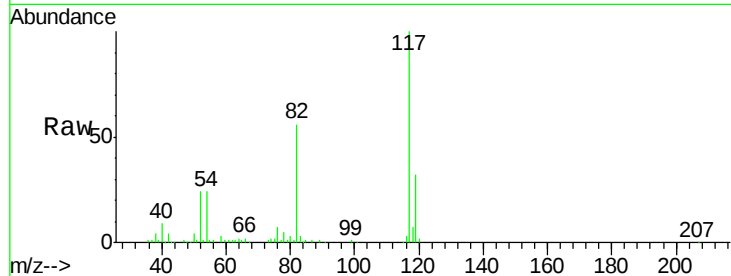




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065840.D
Acq: 19 Jun 2020 20:29

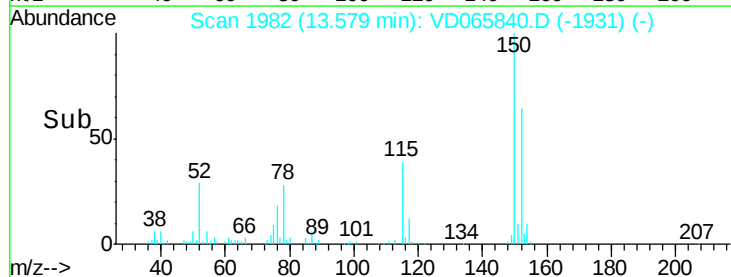
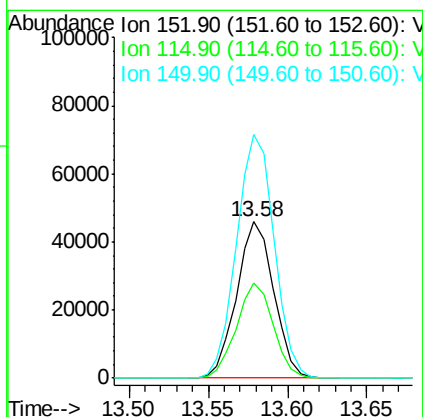
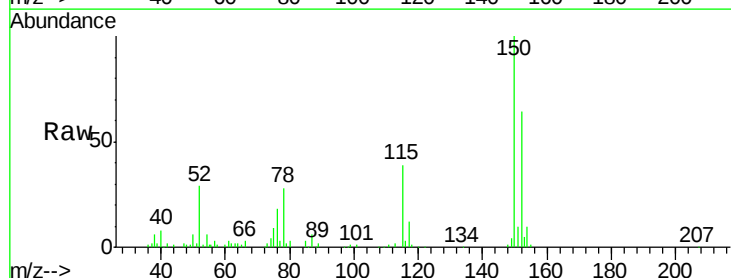
Instrument :
MSVOA_D
ClientSampleId :
2-SP-3-5

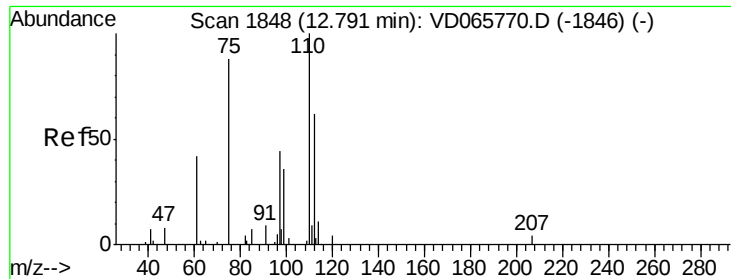
Tgt Ion:117 Resp: 201870
Ion Ratio Lower Upper
117 100
82 55.9 41.9 62.9
119 31.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065840.D
Acq: 19 Jun 2020 20:29

Tgt Ion:152 Resp: 74763
Ion Ratio Lower Upper
152 100
115 60.2 28.7 86.1
150 158.1 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 63.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Instrument :

MSVOA_D

ClientSampled :

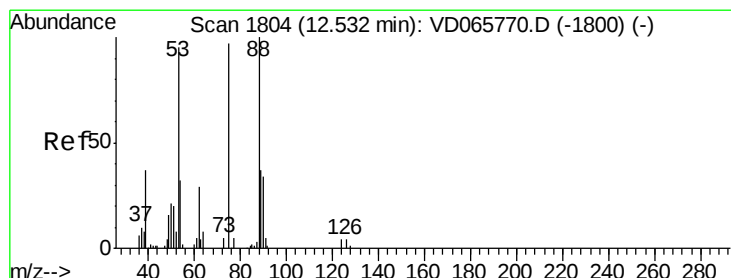
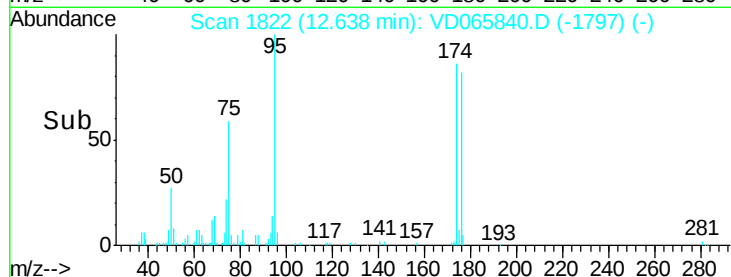
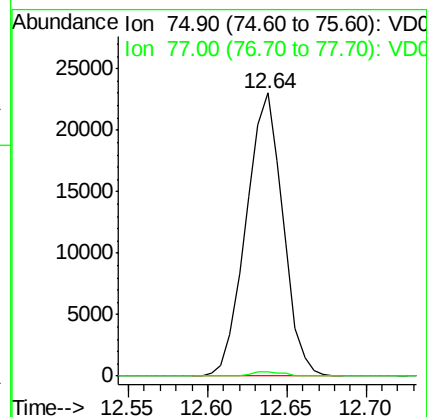
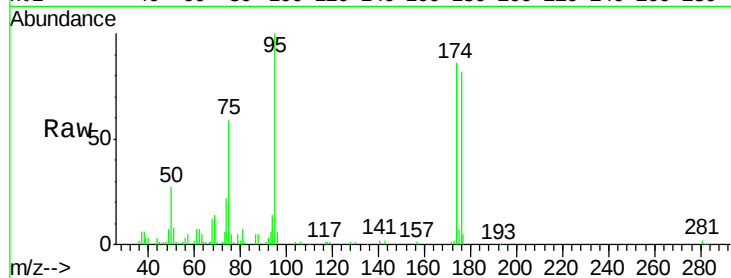
2-SP-3-5

Tgt Ion: 75 Resp: 37172

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.130 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065840.D

Acq: 19 Jun 2020 20:29

Tgt Ion: 75 Resp: 37172

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

