

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065812.D
 Acq On : 18 Jun 2020 17:01
 Operator : VA/SY
 Sample : L3024-04
 Misc : 7.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-25

Quant Time: Jun 19 01:03:10 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	7.99	168	145987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	254895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	220210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84773	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	80616	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	7.92	113	77855	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	10.34	98	267537	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	
62) 4-Bromofluorobenzene	12.64	95	78471	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	

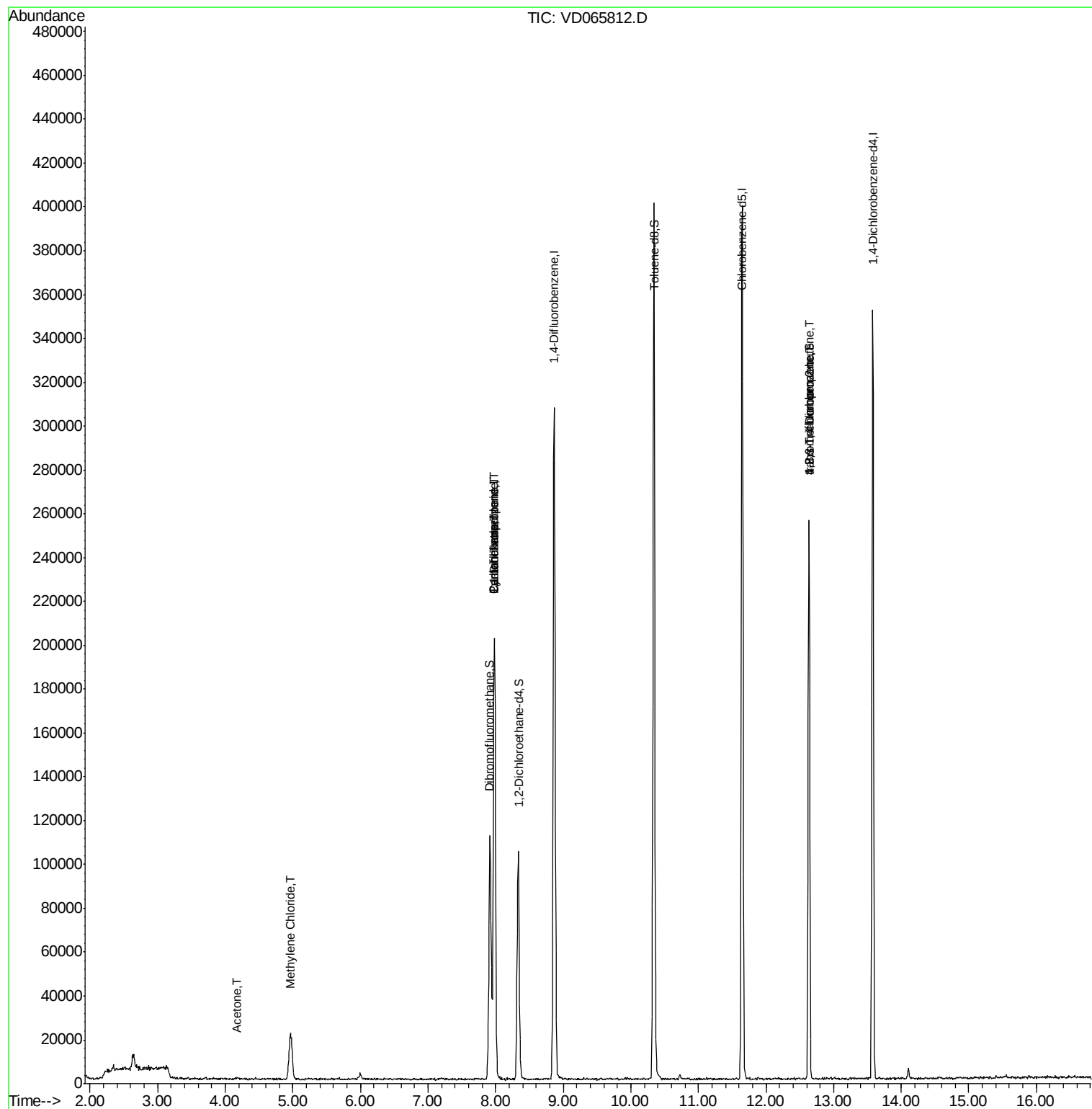
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	140	Below Cal	#	43
16) Acetone	4.17	43	1235	4.539	ug/l #	47
18) Methyl Acetate	4.67	43	56	Below Cal	#	52
20) Methylene Chloride	4.96	84	16551	7.688	ug/l	97
31) Cyclohexane	7.98	56	3955	1.529	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	12564	5.146	ug/l #	50
38) Carbon Tetrachloride	7.99	117	15313	5.959	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	43622	66.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	43622	142.957	ug/l #	9

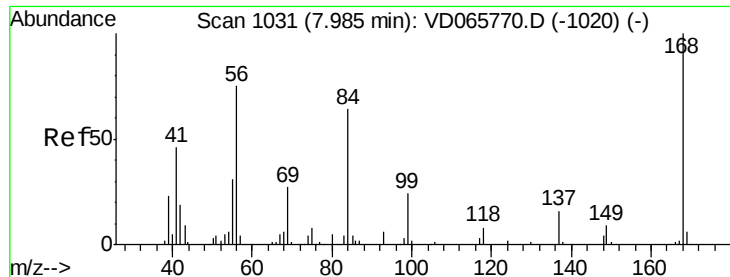
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

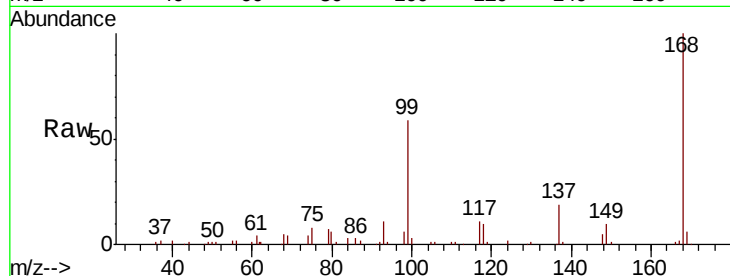
RO-25

Tot Ion:168 Resp: 145987

Ion Ratio Lower Upper

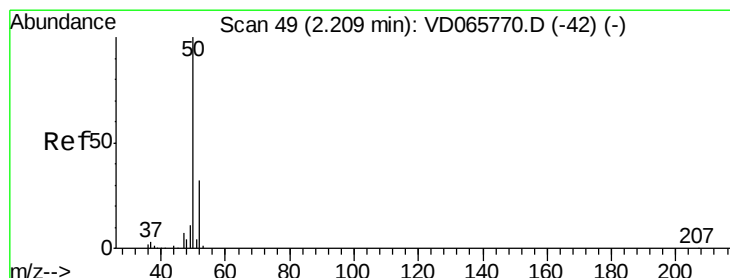
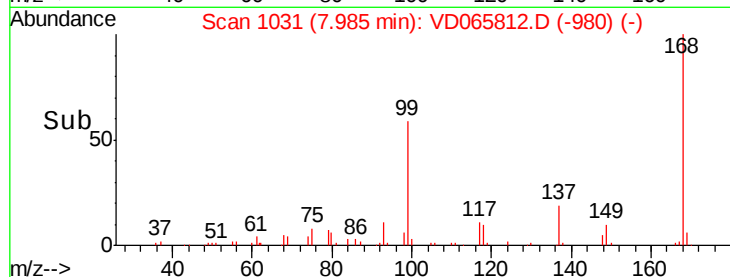
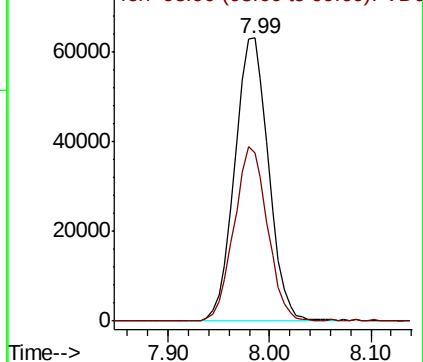
168 100

99 59.3 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065812.D

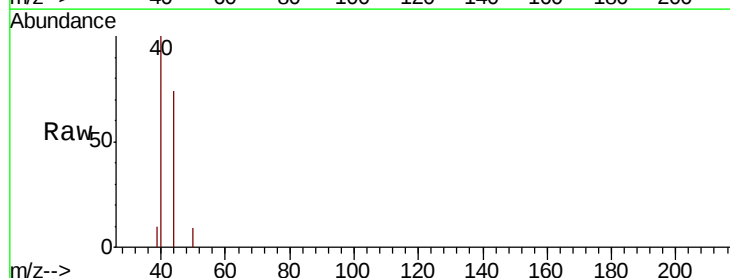
Acq: 18 Jun 2020 17:01

Tgt Ion: 50 Resp: 140

Ion Ratio Lower Upper

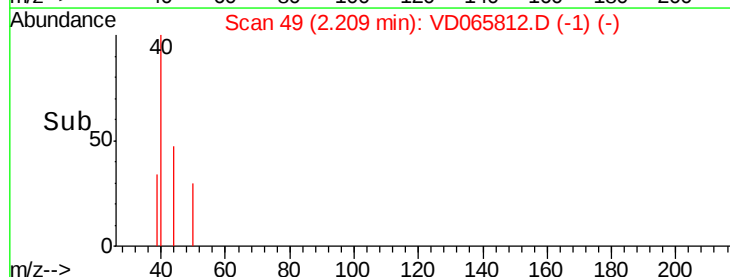
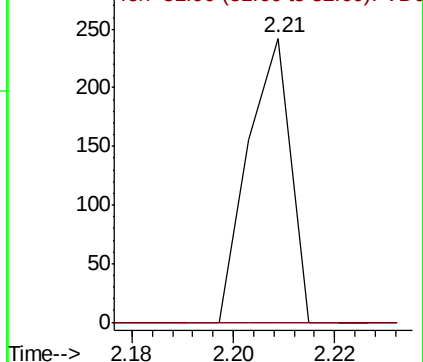
50 100

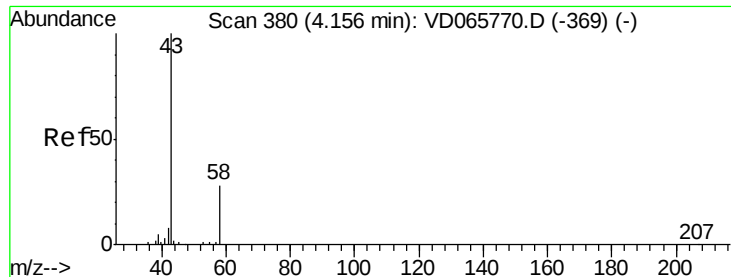
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 4.539 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

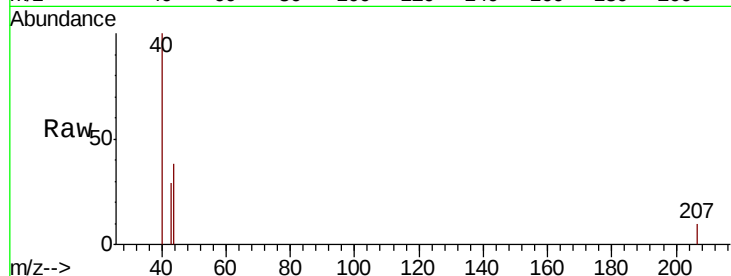
RO-25

Tot Ion: 43 Resp: 1235

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

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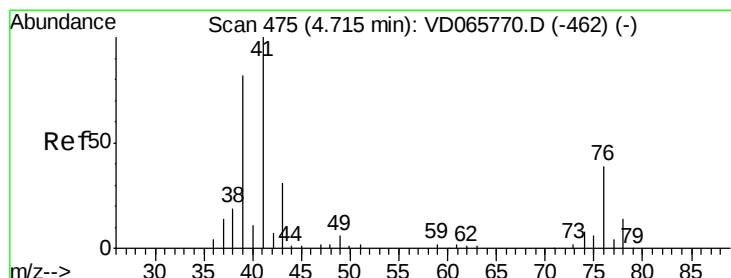
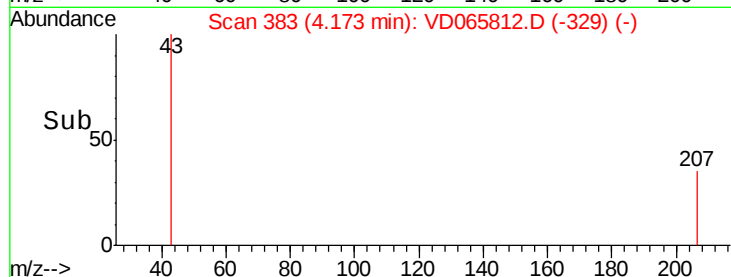
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#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 467

Delta R.T. -0.05 min

Lab File: VD065812.D

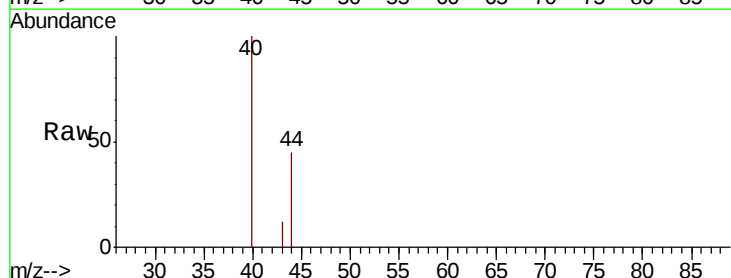
Acq: 18 Jun 2020 17:01

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

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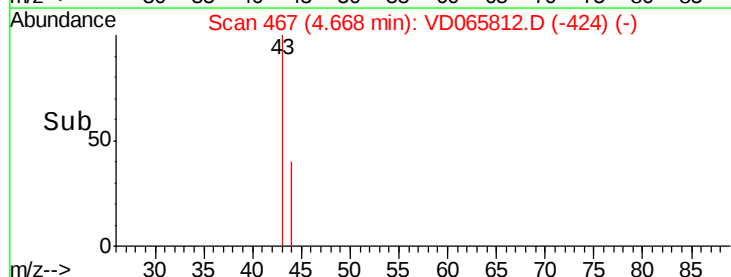
4.67

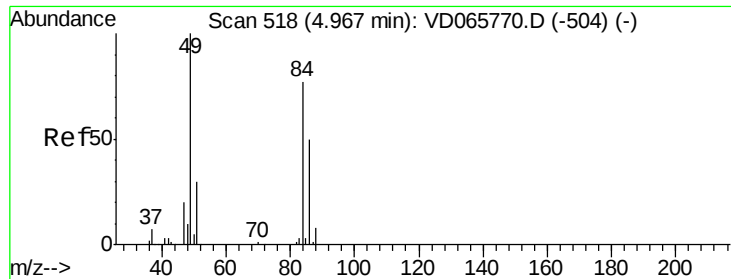
4.67

4.67

4.67

4.67

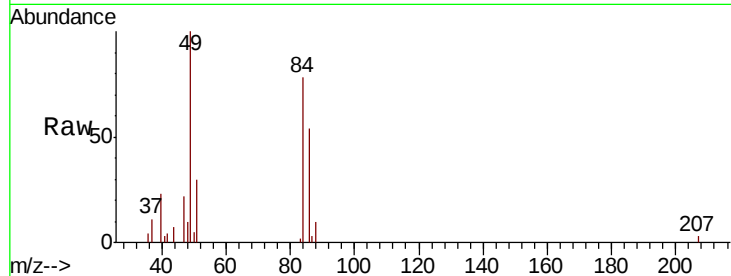




#20
Methvlene Chloride
Concen: 7.688 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065812.D
Acq: 18 Jun 2020 17:01

Instrument :
MSVOA_D
ClientSampled :
RO-25

Tot Ion:	84	Resp:	16551
Ion	Ratio	Lower	Upper
84	100		
49	128.2	103.4	155.0
51	38.4	31.4	47.2
86	69.8	51.7	77.5



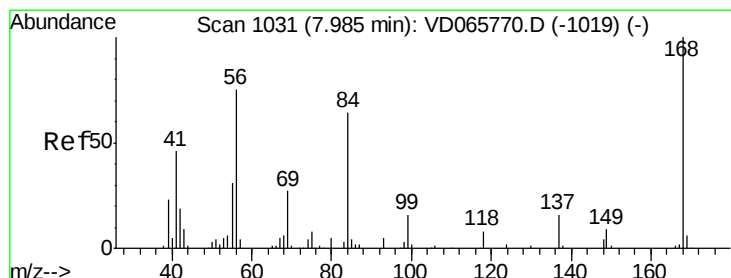
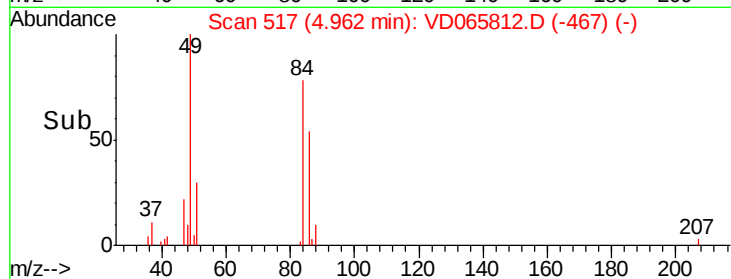
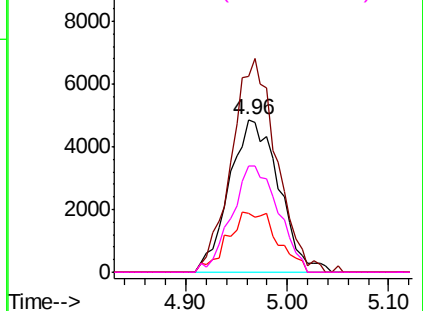
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

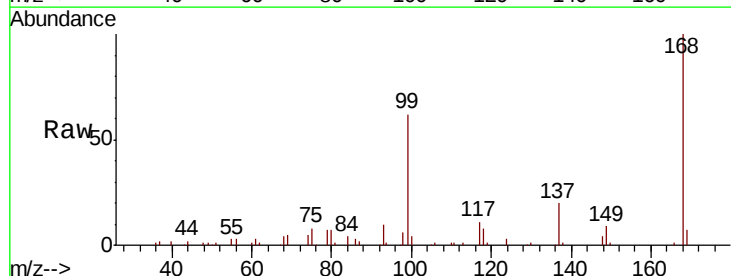
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.529 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065812.D
Acq: 18 Jun 2020 17:01

Tgt Ion:	56	Resp:	3955
Ion	Ratio	Lower	Upper
56	100		
69	139.0	28.5	42.7#
84	121.2	68.4	102.6#

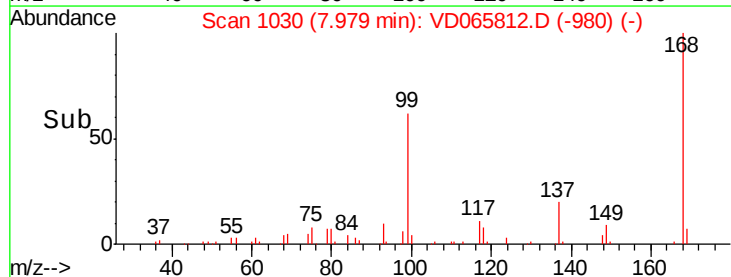
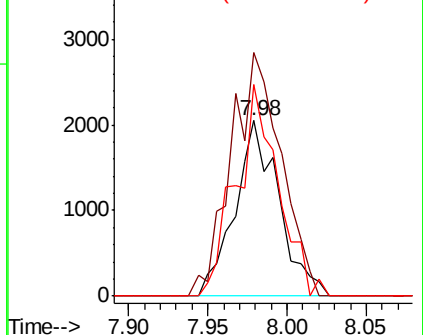


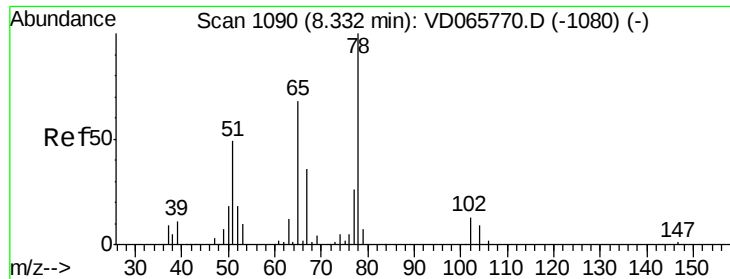
Abundance

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: 55.885 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

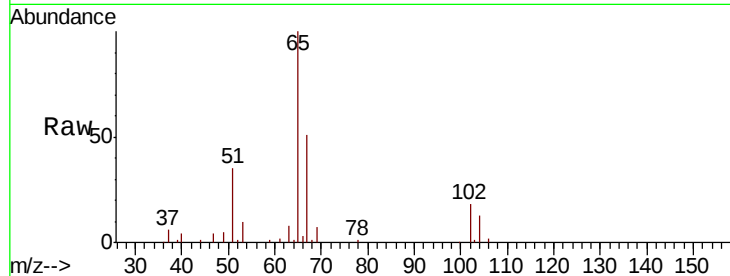
RO-25

Tot Ion: 65 Resp: 80616

Ion Ratio Lower Upper

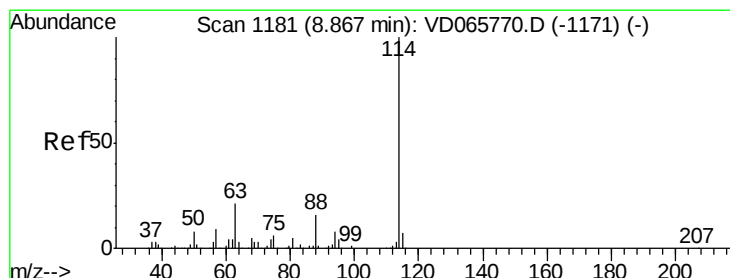
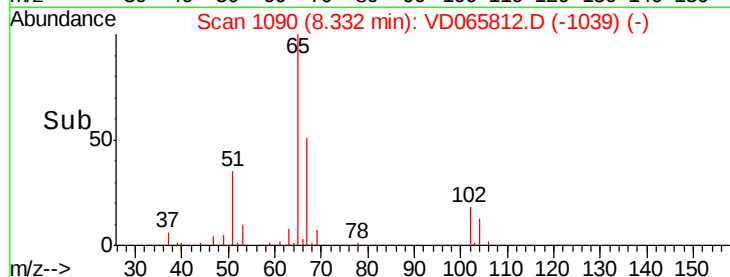
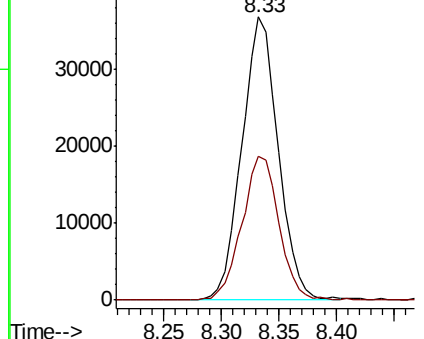
65 100

67 51.6 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: VD065812.D

Acq: 18 Jun 2020 17:01

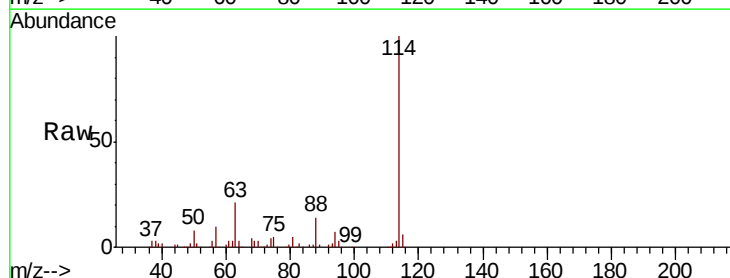
Tgt Ion: 114 Resp: 254895

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

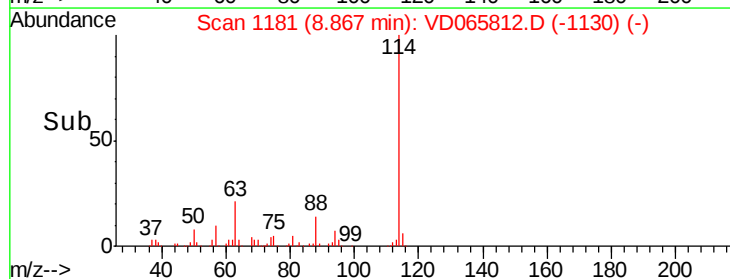
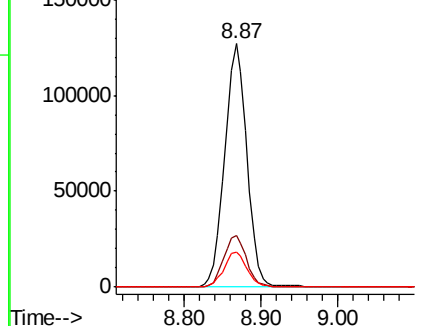
88 14.1 0.0 32.0

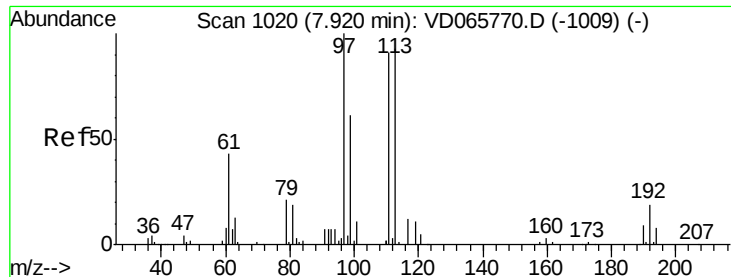


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

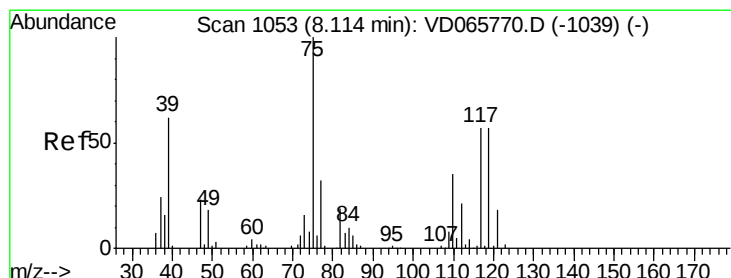
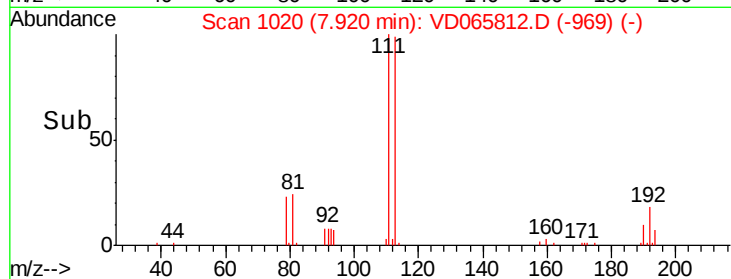
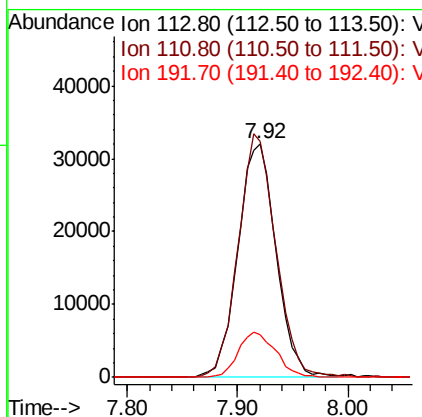
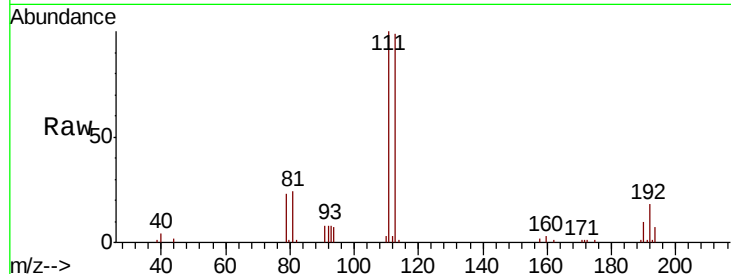




#35
 Dibromofluoromethane
 Concen: 48.355 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065812.D
 Acq: 18 Jun 2020 17:01

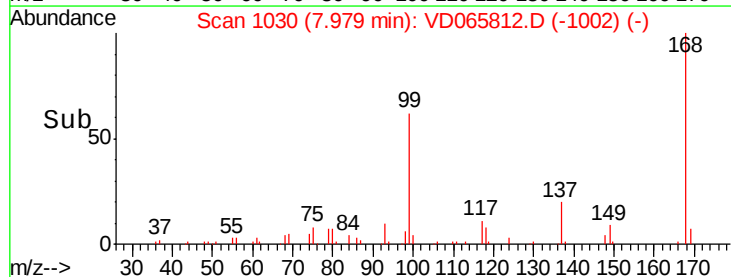
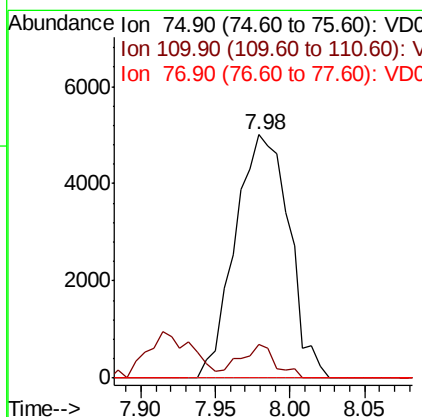
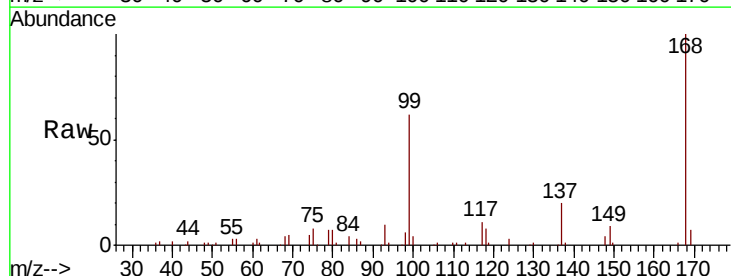
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-25

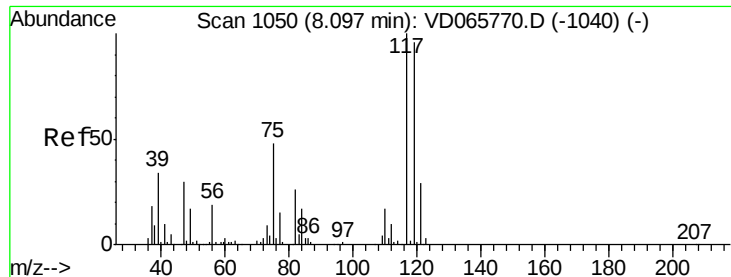
Tot Ion:113 Resp: 77855
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.0
 192 18.9 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065812.D
 Acq: 18 Jun 2020 17:01

Tgt Ion: 75 Resp: 12564
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.6 52.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.959 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

RO-25

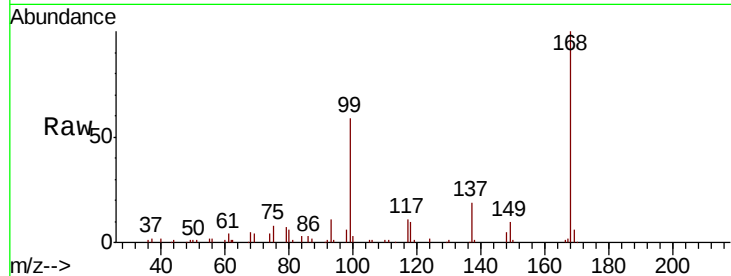
Tot Ion:117 Resp: 15313

Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

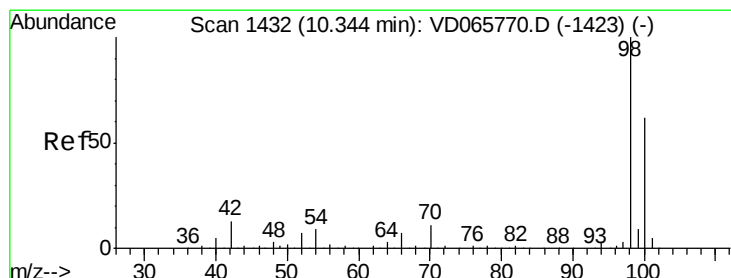
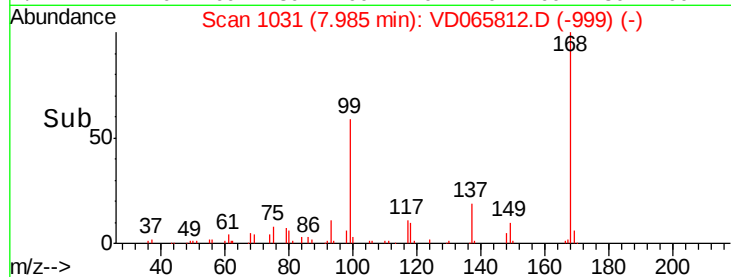
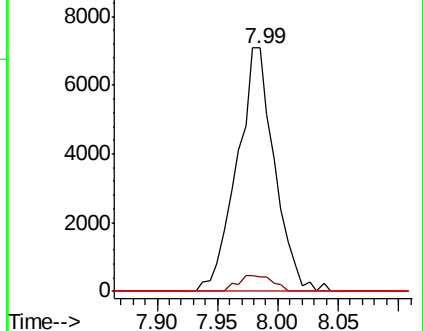
121 0.0 23.4 35.2#



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: 44.562 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065812.D

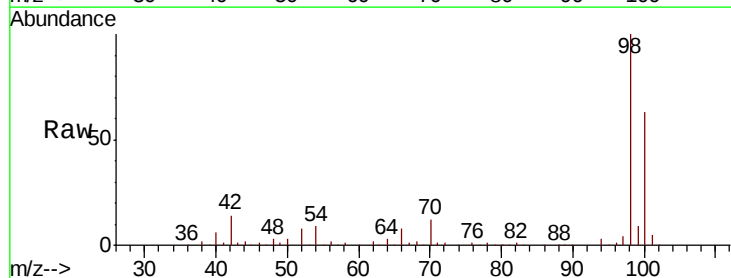
Acq: 18 Jun 2020 17:01

Tgt Ion: 98 Resp: 267537

Ion Ratio Lower Upper

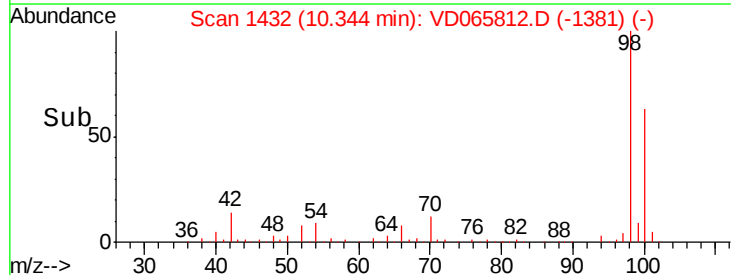
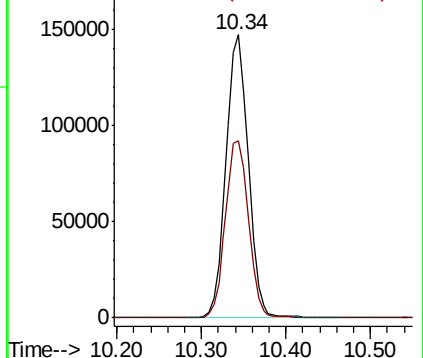
98 100

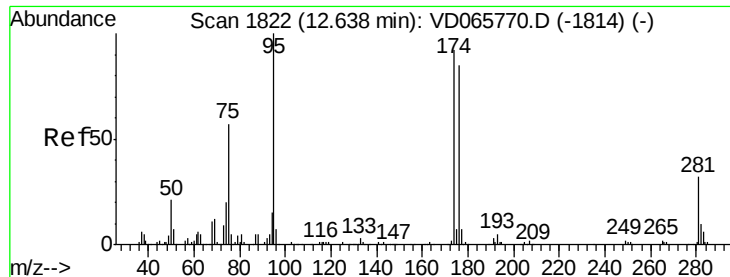
100 65.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 38.540 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

RO-25

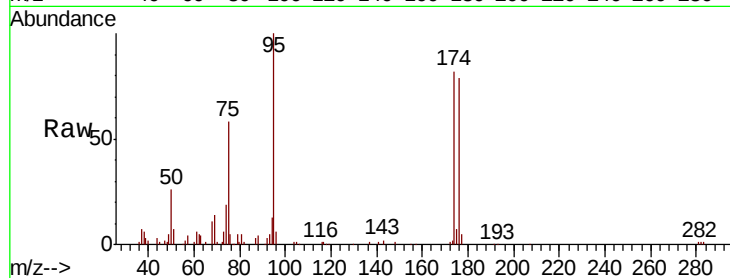
Tot Ion: 95 Resp: 78471

Ion Ratio Lower Upper

95 100

174 79.9 0.0 175.2

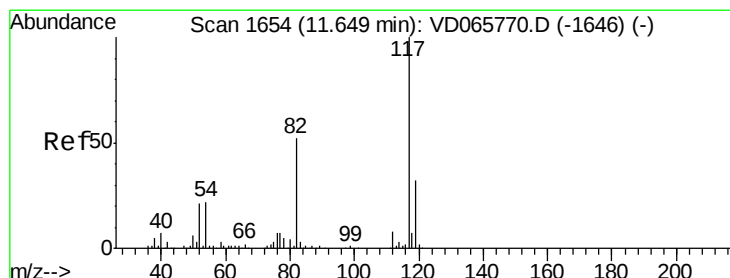
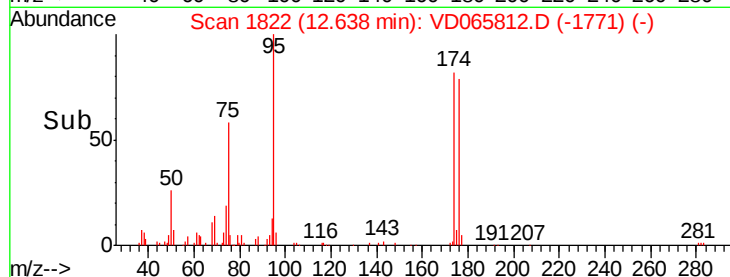
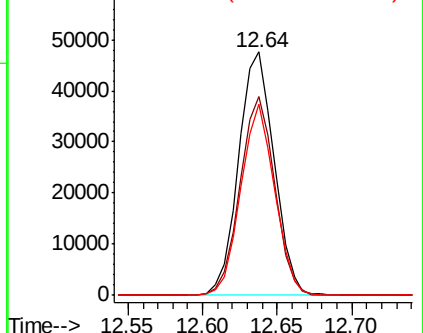
176 74.8 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065812.D

Acq: 18 Jun 2020 17:01

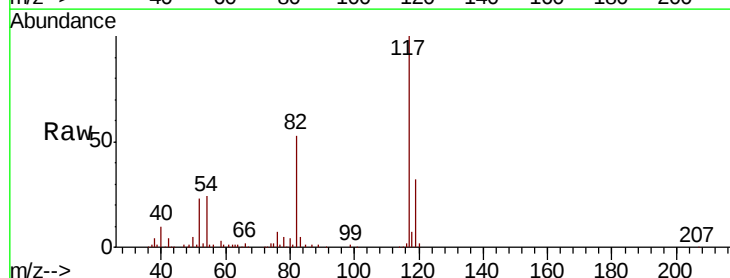
Tgt Ion: 117 Resp: 220210

Ion Ratio Lower Upper

117 100

82 53.5 41.9 62.9

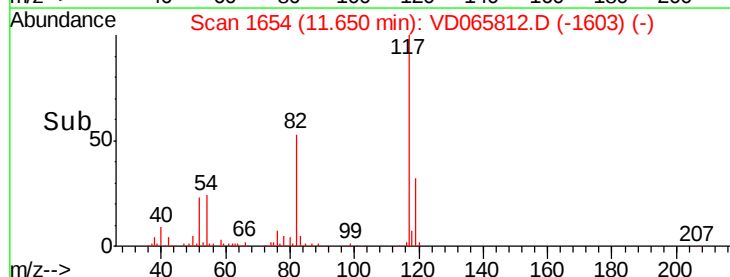
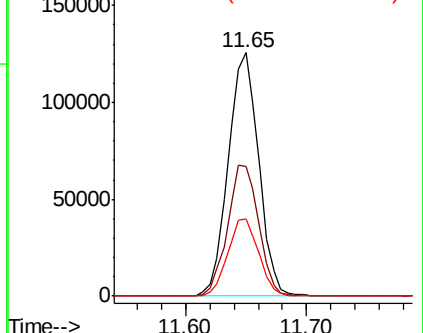
119 31.9 25.3 37.9

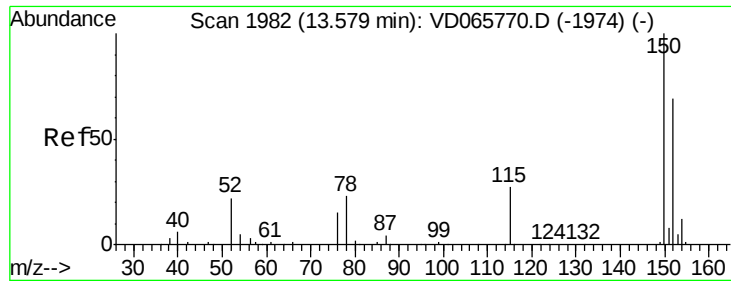


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

RO-25

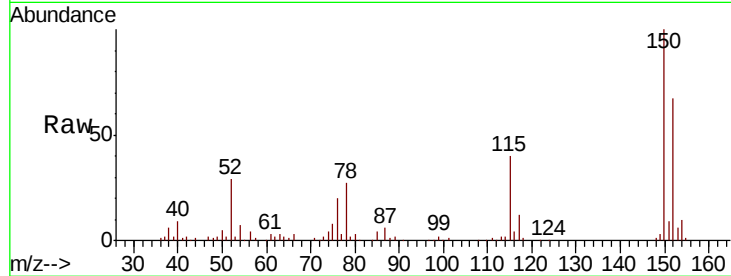
Tot Ion:152 Resp: 84773

Ion Ratio Lower Upper

152 100

115 60.9 28.7 86.1

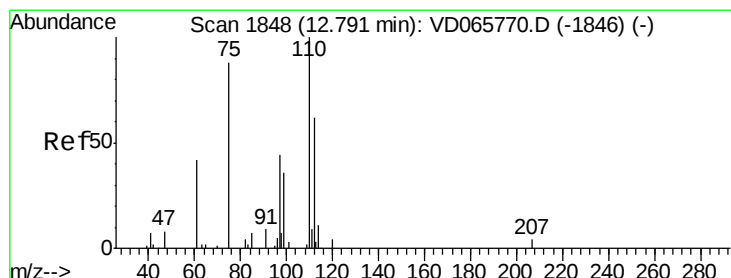
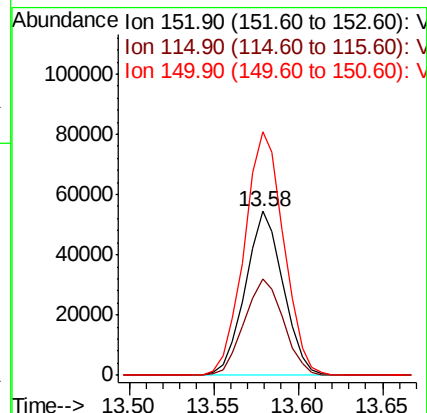
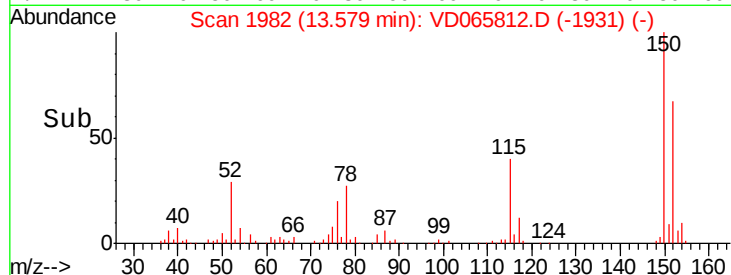
150 155.4 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.165 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065812.D

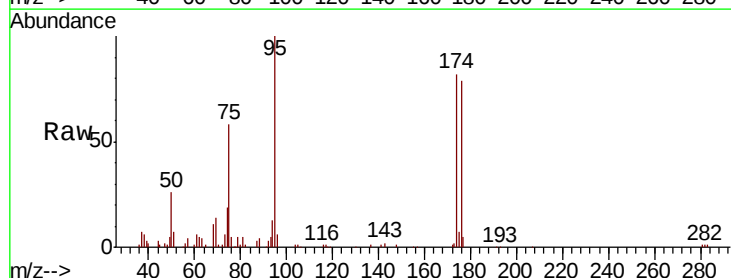
Acq: 18 Jun 2020 17:01

Tgt Ion: 75 Resp: 43622

Ion Ratio Lower Upper

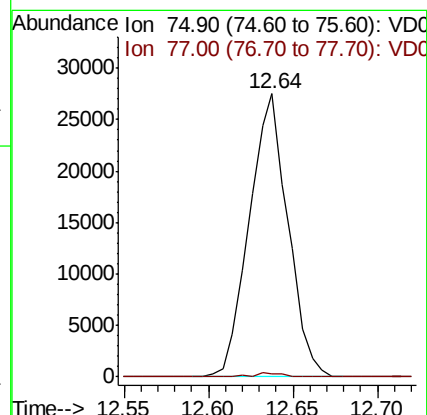
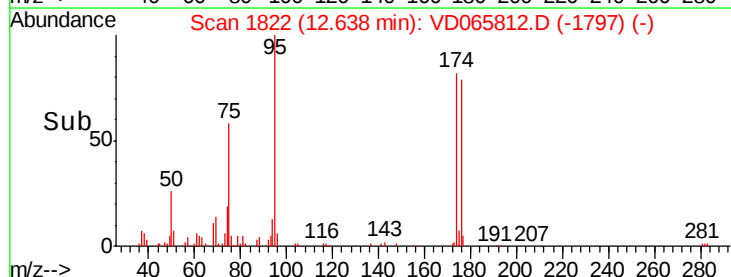
75 100

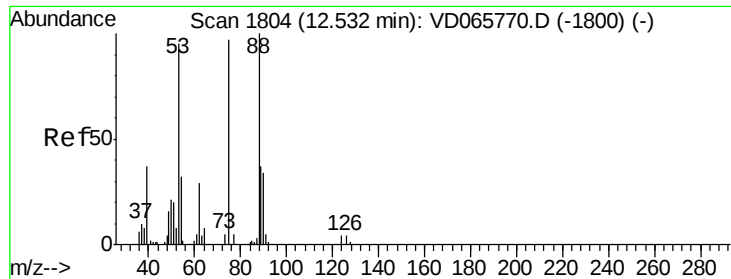
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 142.957 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065812.D

Acq: 18 Jun 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

RO-25

Tot Ion: 75 Resp: 43622

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

