

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065815.D
 Acq On : 18 Jun 2020 18:22
 Operator : VA/SY
 Sample : L3024-13
 Misc : 5.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1

Quant Time: Jun 19 01:03:42 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	7.99	168	148336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	258415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	220541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84405	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	85120	58.07	ug/l	0.00
Spiked Amount						
			Recovery	=	116.14%	
35) Dibromofluoromethane	7.91	113	16326	10.00	ug/l	0.00
Spiked Amount						
			Recovery	=	20.00%	
50) Toluene-d8	10.34	98	287325	47.21	ug/l	0.00
Spiked Amount						
			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.64	95	78675	38.11	ug/l	0.00
Spiked Amount						
			Recovery	=	76.22%	

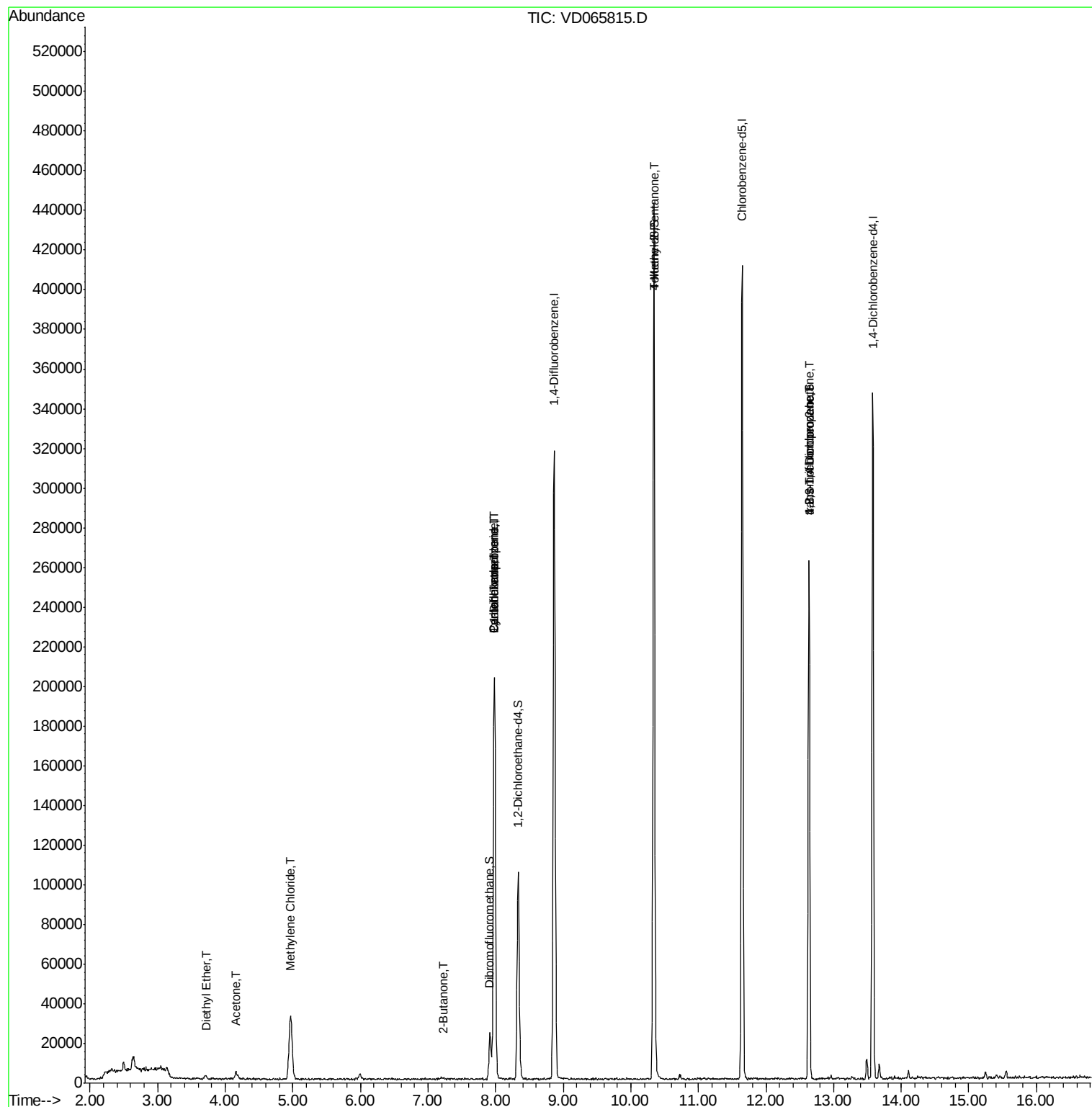
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	58	Below Cal	#	43
8) Diethyl Ether	3.71	74	897	1.376	ug/l	84
16) Acetone	4.16	43	6450	23.328	ug/l	92
18) Methyl Acetate	4.96	43	54	Below Cal	#	52
20) Methylene Chloride	4.97	84	23603	12.761	ug/l	93
25) 2-Butanone	7.23	43	1597	4.182	ug/l #	52
31) Cyclohexane	7.98	56	4615	1.756	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	13336	5.387	ug/l #	50
38) Carbon Tetrachloride	7.98	117	15421	5.919	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1834	1.930	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	43792	66.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	43792	144.140	ug/l #	9

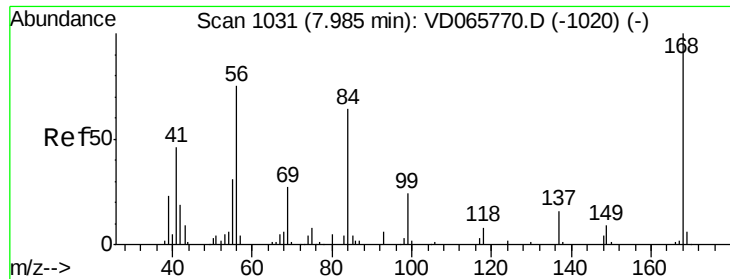
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

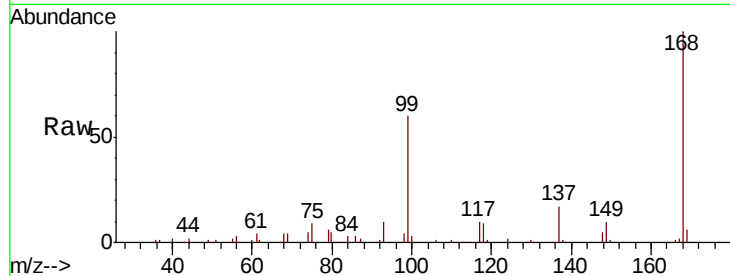
RO-1

Tot Ion:168 Resp: 148336

Ion Ratio Lower Upper

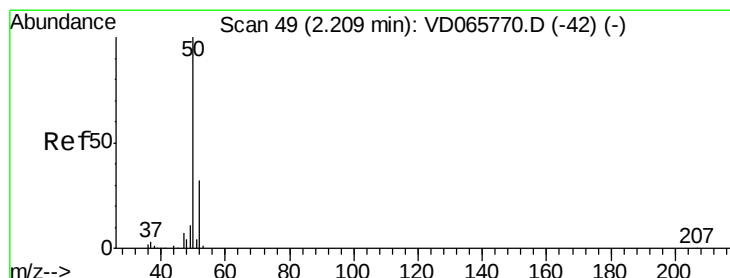
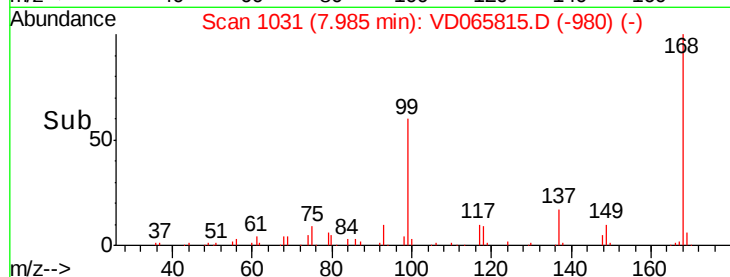
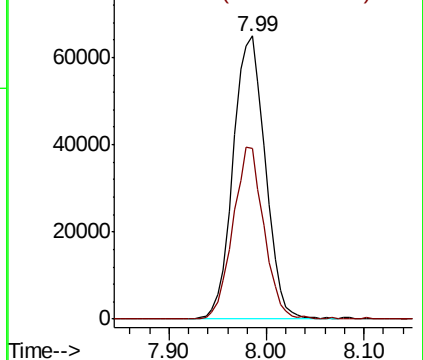
168 100

99 60.1 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: VD065815.D

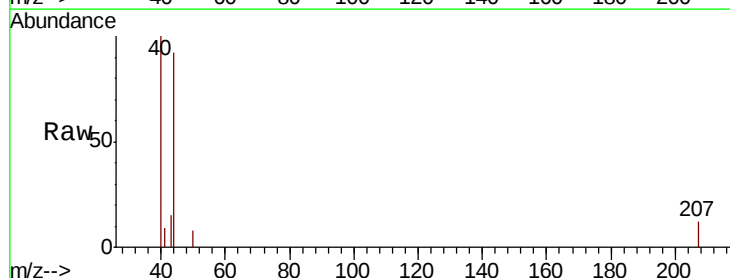
Acq: 18 Jun 2020 18:22

Tgt Ion: 50 Resp: 58

Ion Ratio Lower Upper

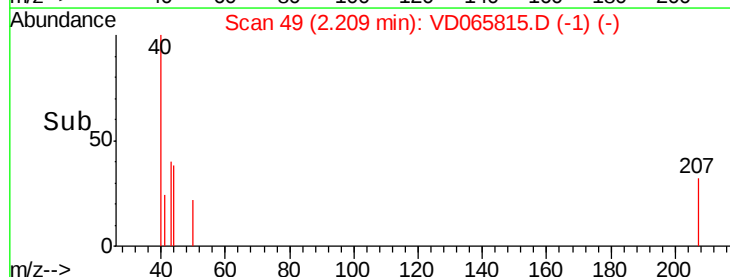
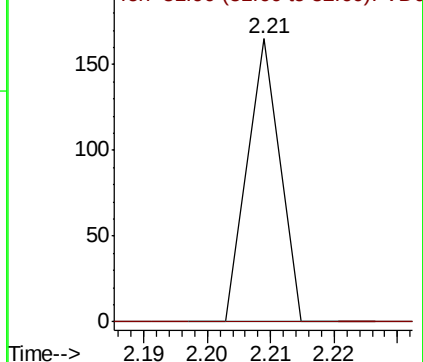
50 100

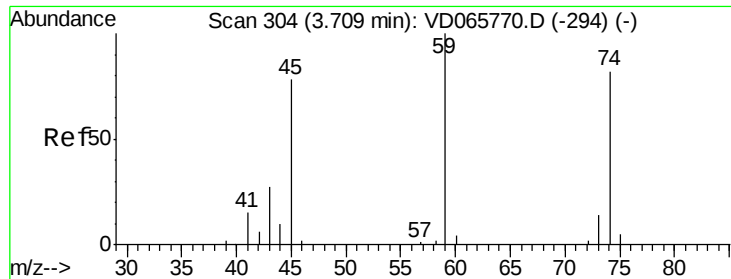
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.376 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampled :

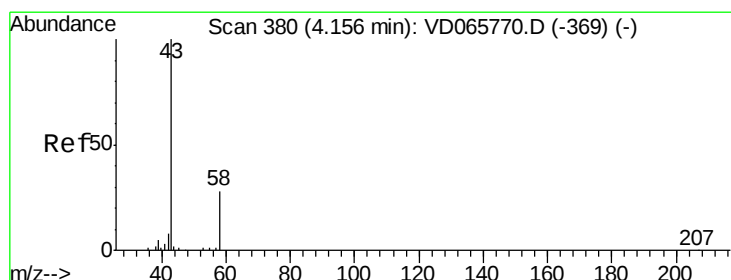
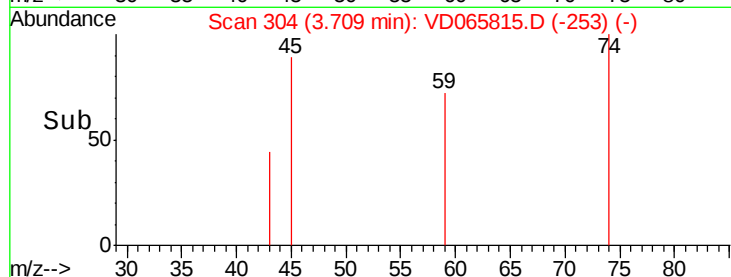
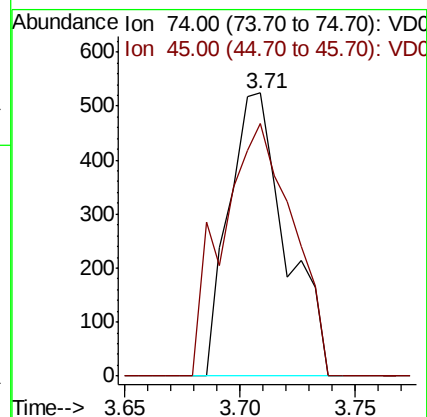
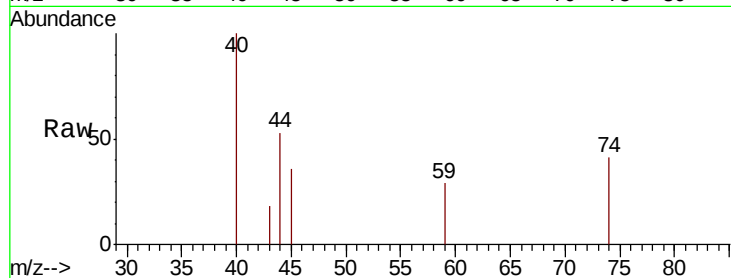
RO-1

Tot Ion: 74 Resp: 897

Ion Ratio Lower Upper

74 100

45 111.1 47.9 143.8



#16

Acetone

Concen: 23.328 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065815.D

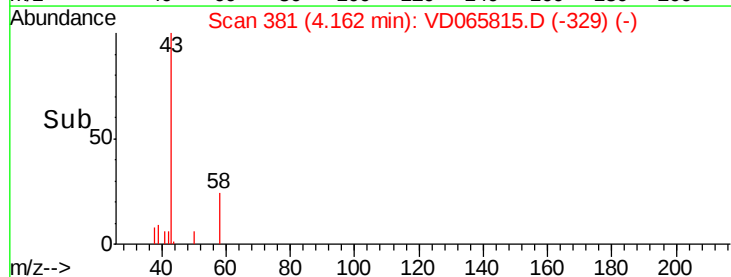
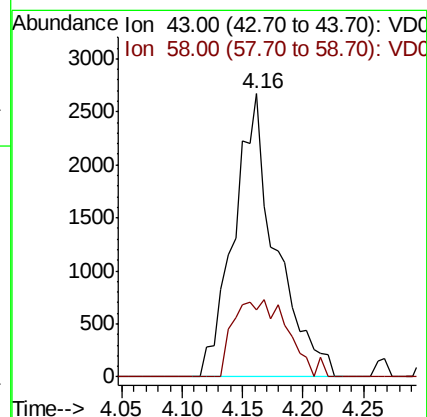
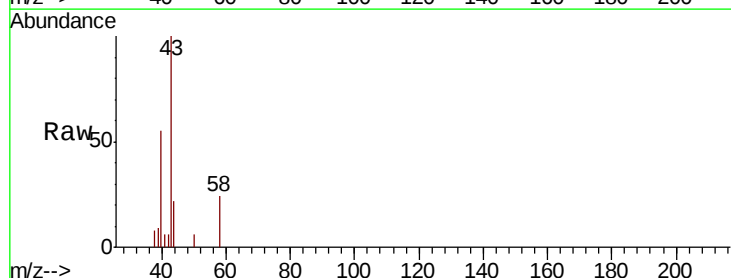
Acq: 18 Jun 2020 18:22

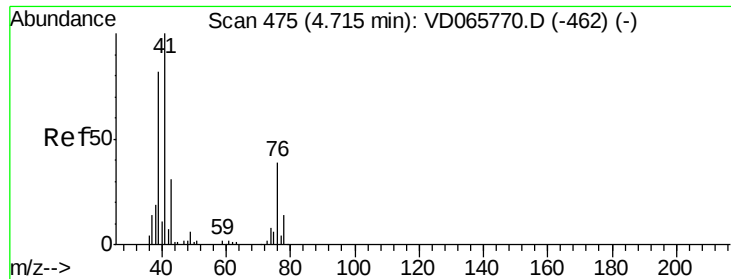
Tgt Ion: 43 Resp: 6450

Ion Ratio Lower Upper

43 100

58 23.7 22.3 33.5





#18

Methyl Acetate

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.25 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

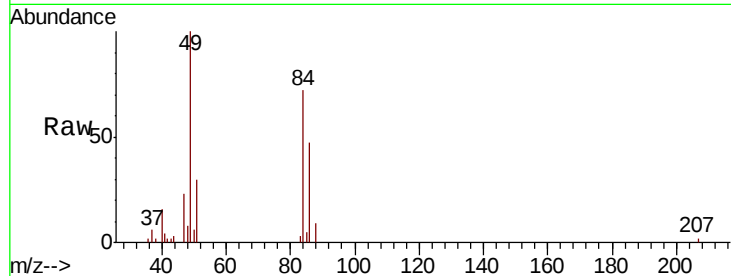
RO-1

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

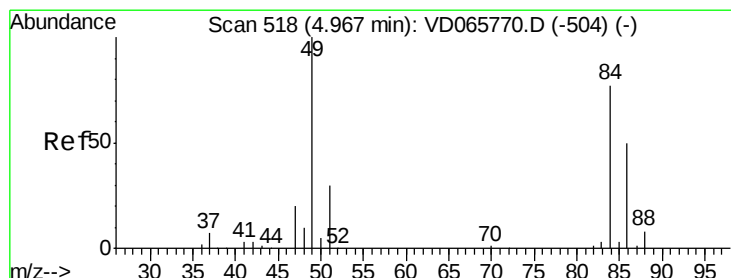
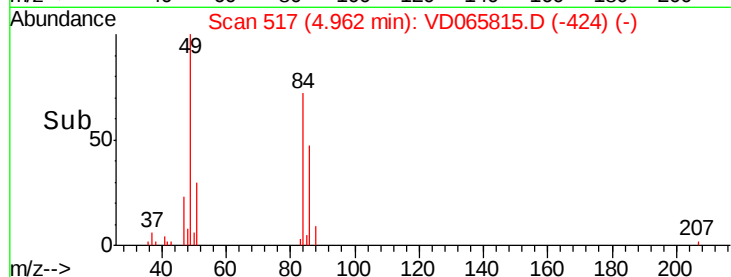
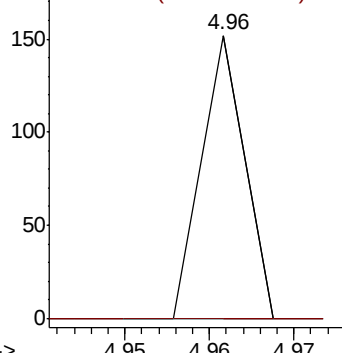
43 100

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: 12.761 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Tgt Ion: 84 Resp: 23603

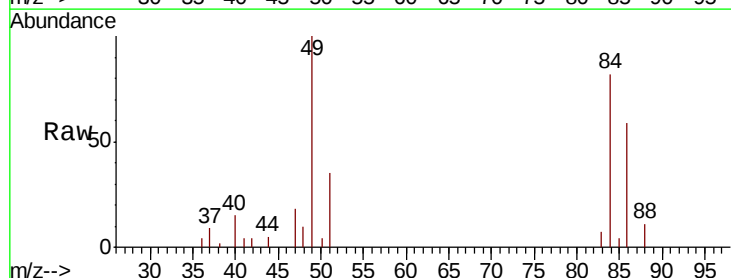
Ion Ratio Lower Upper

84 100

49 121.3 103.4 155.0

51 42.7 31.4 47.2

86 71.4 51.7 77.5

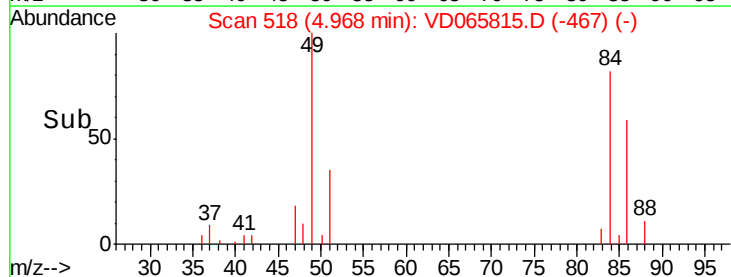
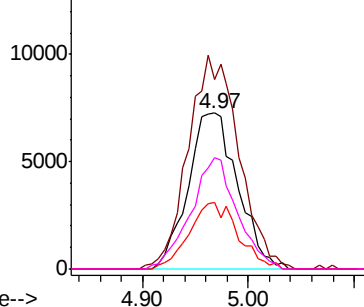


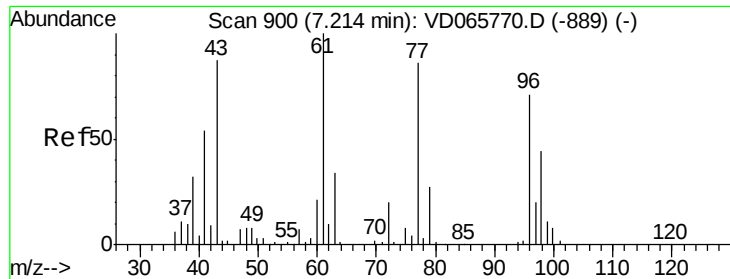
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 4.182 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

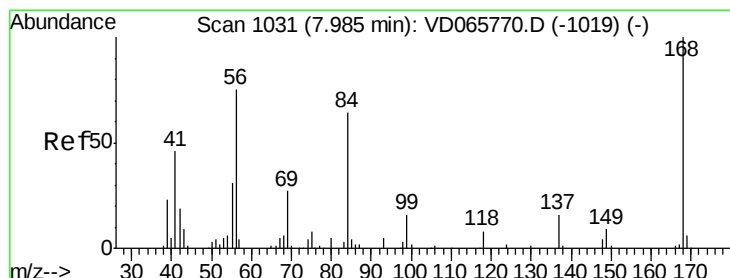
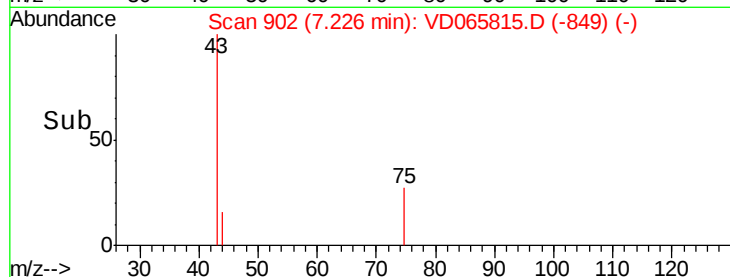
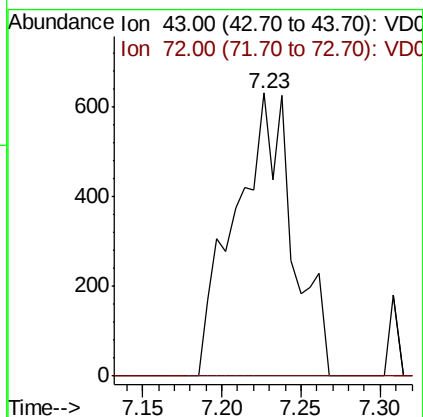
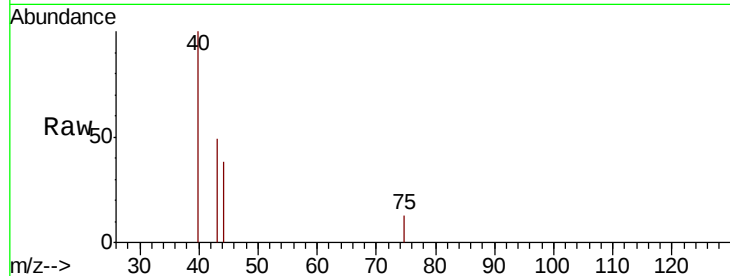
RO-1

Tot Ion: 43 Resp: 1597

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#31

Cyclohexane

Concen: 1.756 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

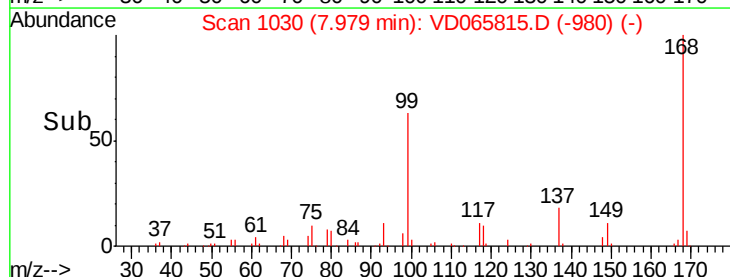
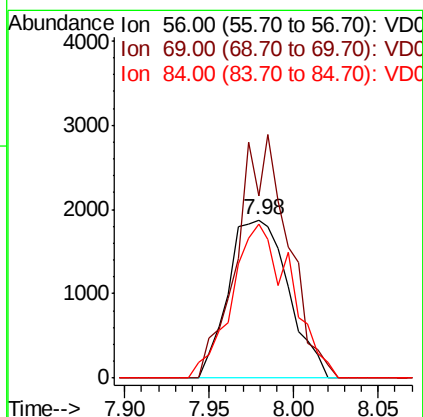
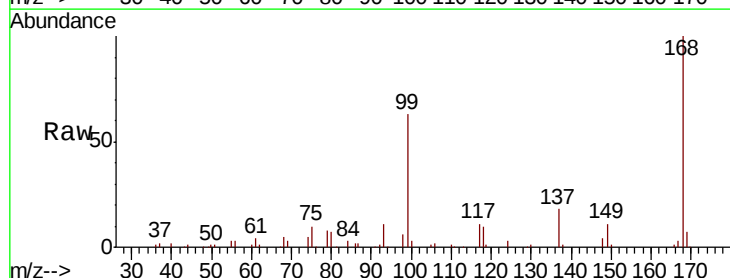
Tgt Ion: 56 Resp: 4615

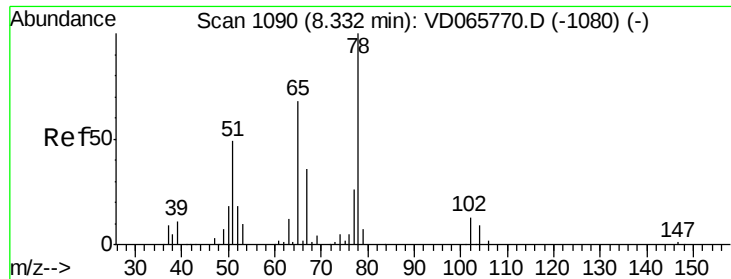
Ion Ratio Lower Upper

56 100

69 114.9 28.5 42.7#

84 97.9 68.4 102.6

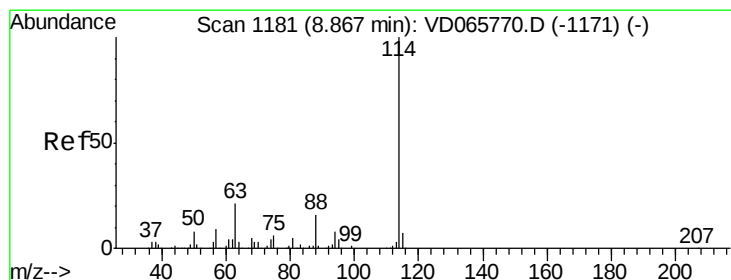
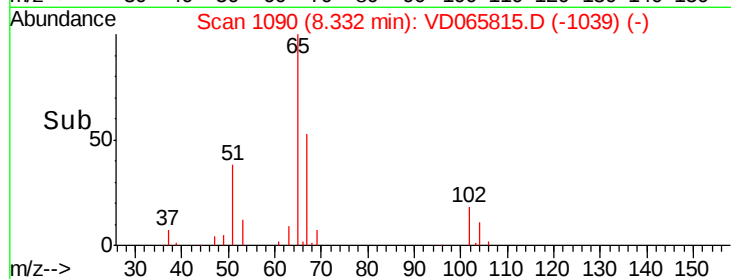
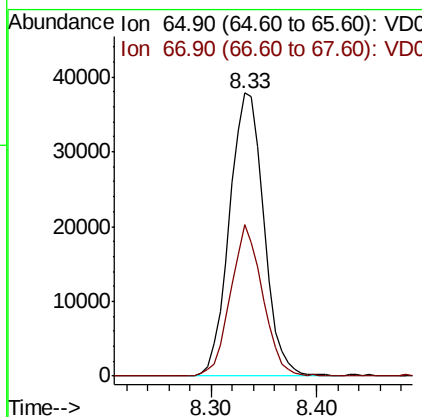
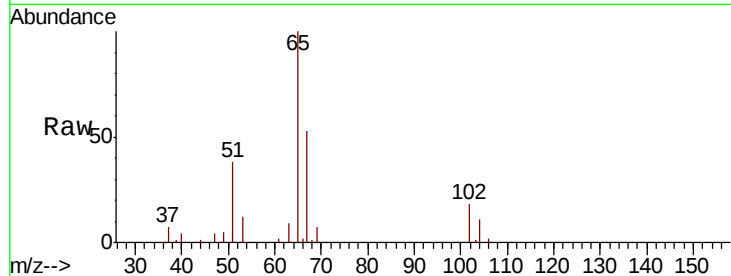




#33
 1,2-Dichloroethane-d4
 Concen: 58.072 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065815.D
 Acq: 18 Jun 2020 18:22

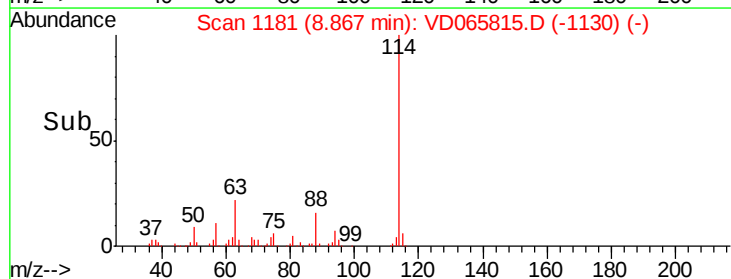
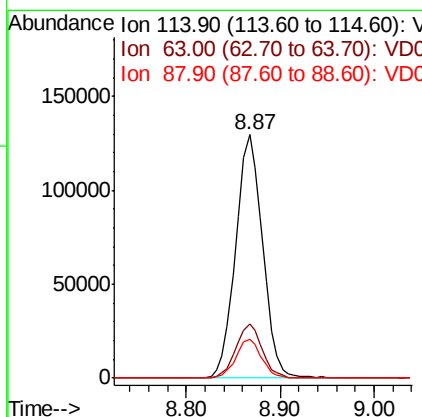
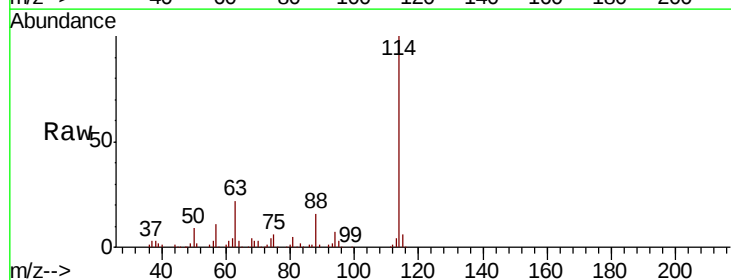
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1

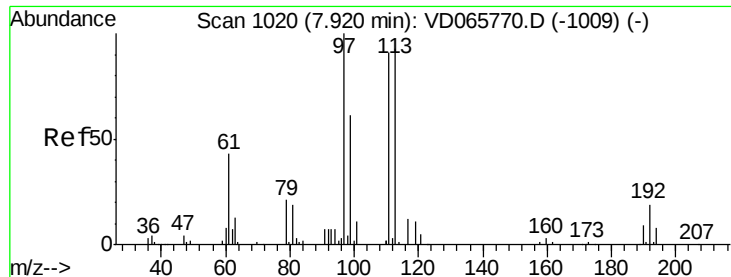
Tot Ion: 65 Resp: 85120
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065815.D
 Acq: 18 Jun 2020 18:22

Tgt Ion: 114 Resp: 258415
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 15.9 0.0 32.0

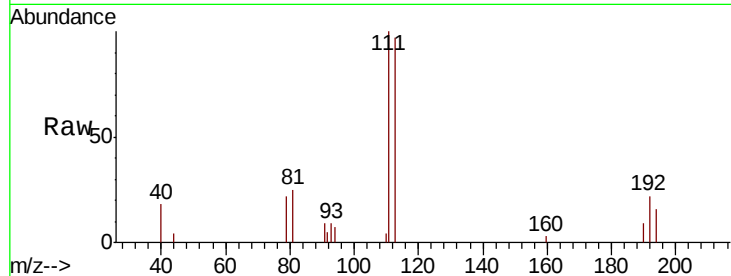




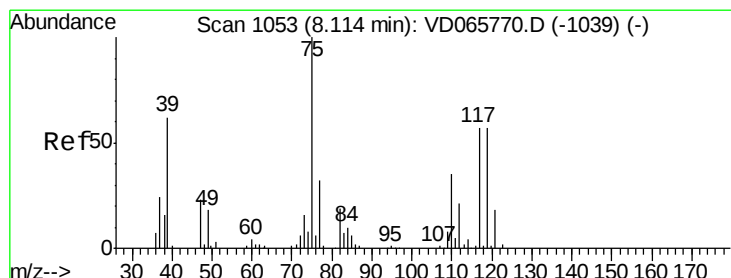
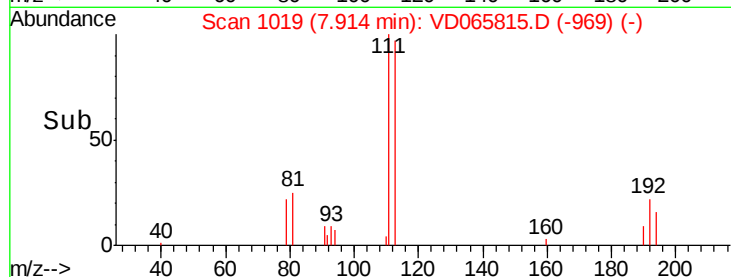
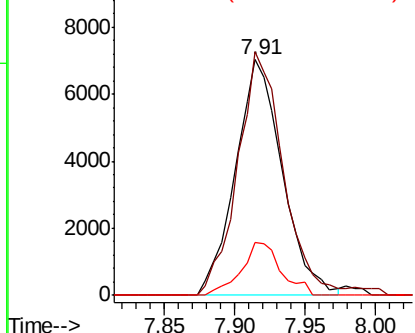
#35
 Dibromofluoromethane
 Concen: 10.002 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065815.D
 Acq: 18 Jun 2020 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	19.1	15.7	23.5

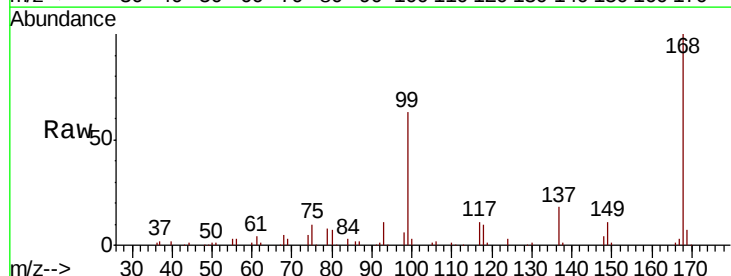


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

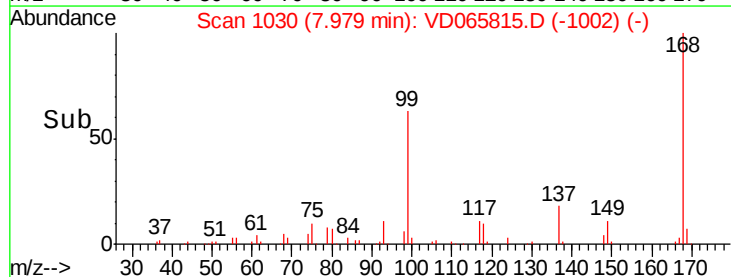
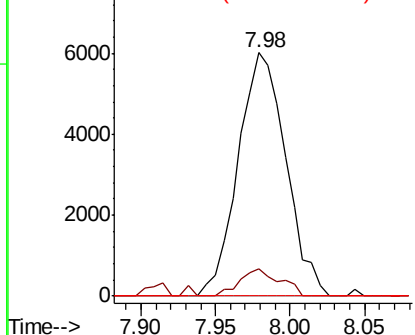


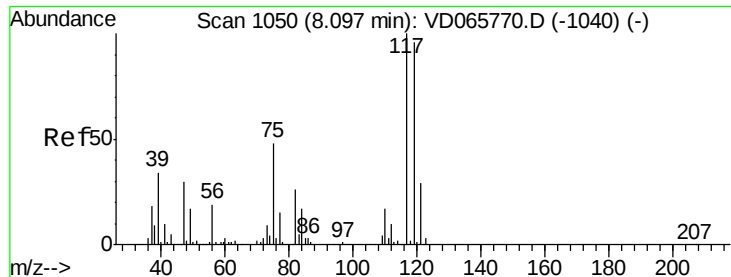
#36
 1,1-Dichloropropene
 Concen: 5.387 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065815.D
 Acq: 18 Jun 2020 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.6	52.8#
77	0.0	25.1	37.7#



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: 5.919 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

RO-1

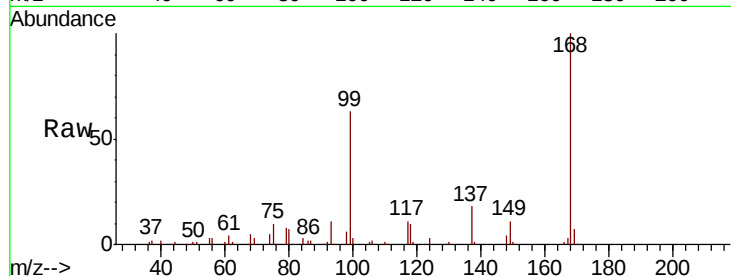
Tot Ion:117 Resp: 15421

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

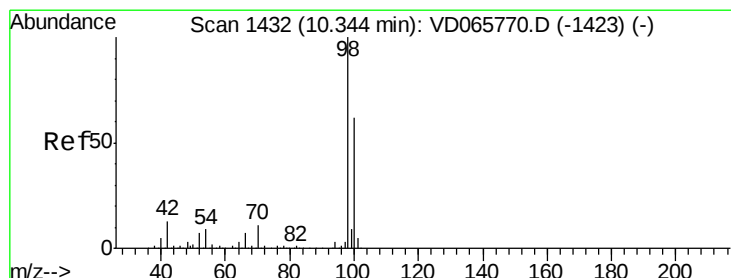
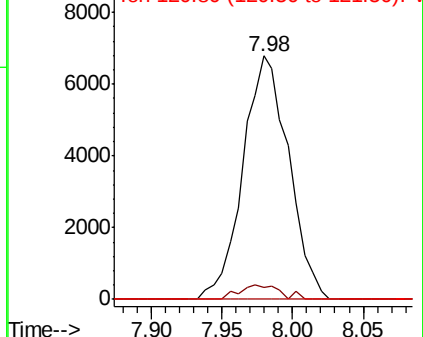
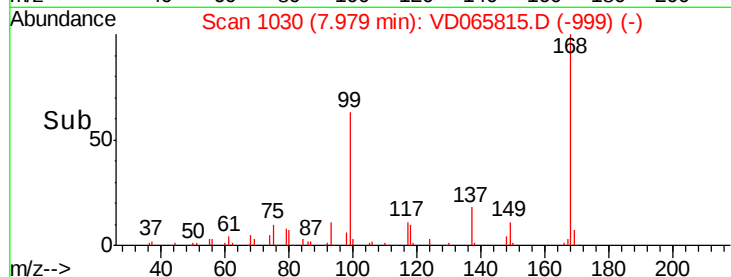
121 0.0 23.4 35.2#



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: 47.206 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065815.D

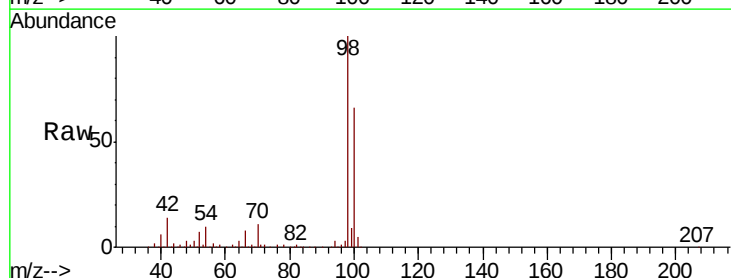
Acq: 18 Jun 2020 18:22

Tgt Ion: 98 Resp: 287325

Ion Ratio Lower Upper

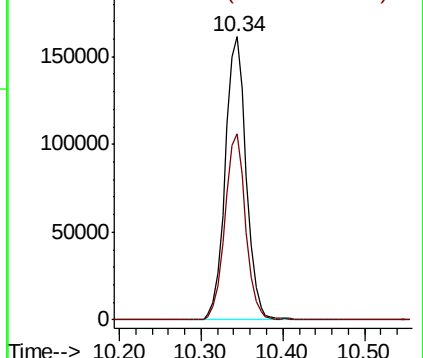
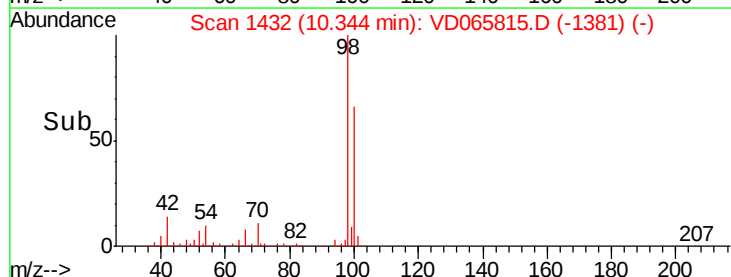
98 100

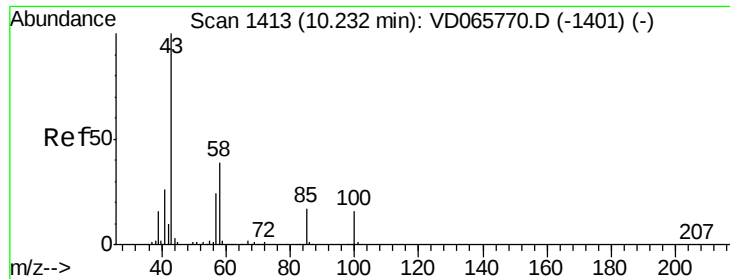
100 64.6 51.4 77.2



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: 1.930 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

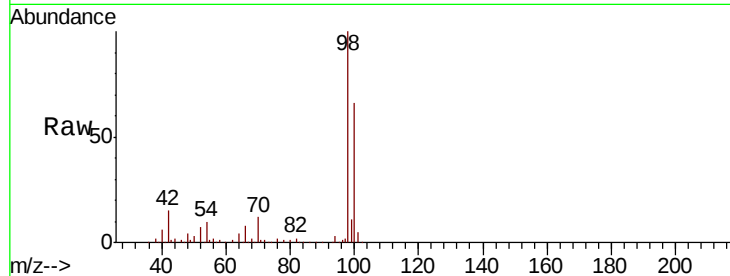
RO-1

Tot Ion: 43 Resp: 1834

Ion Ratio Lower Upper

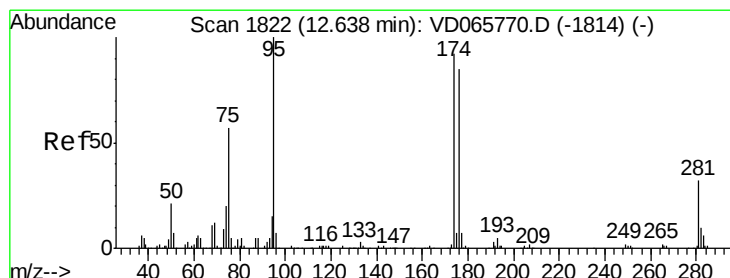
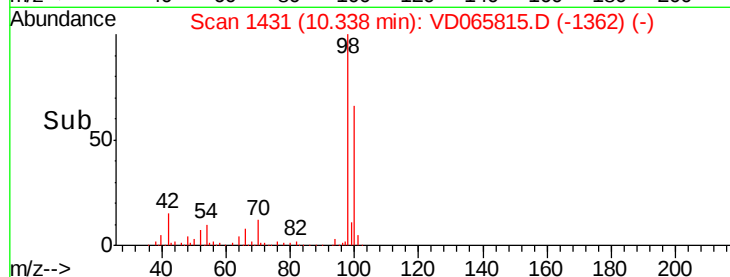
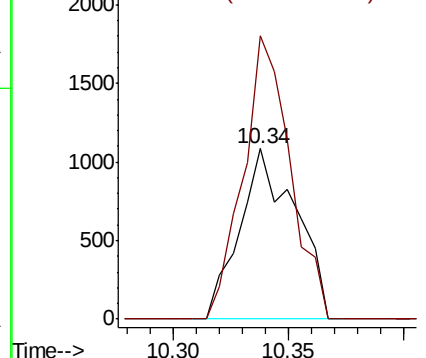
43 100

58 139.7 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: 38.114 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

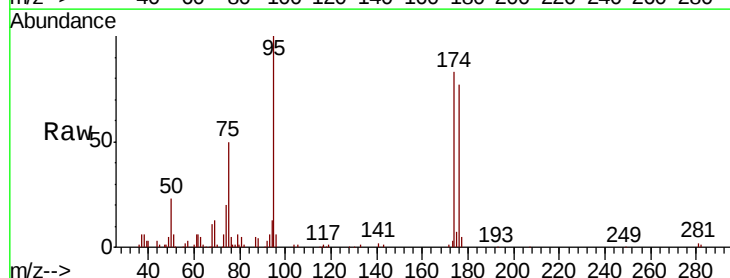
Tgt Ion: 95 Resp: 78675

Ion Ratio Lower Upper

95 100

174 81.4 0.0 175.2

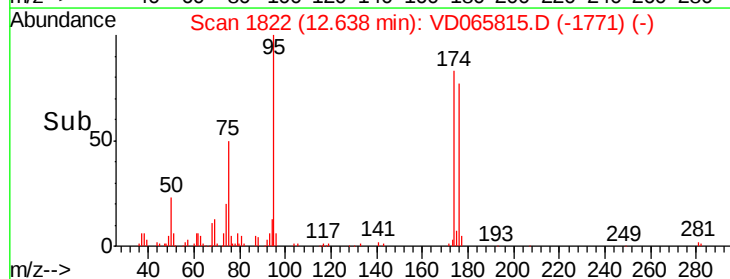
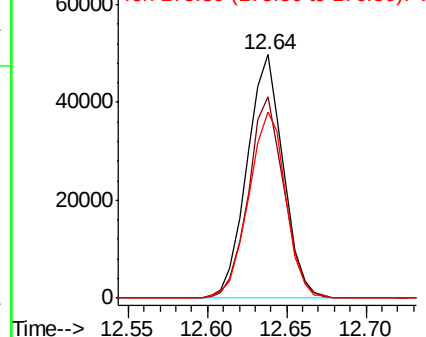
176 78.2 0.0 163.0

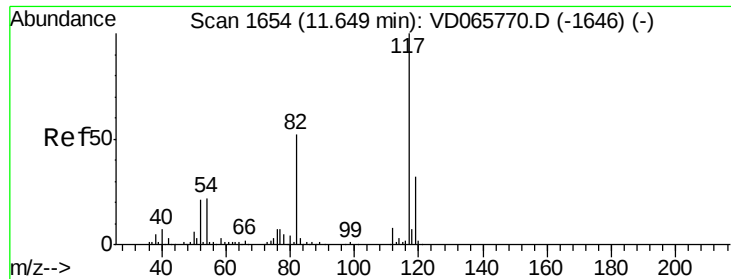


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

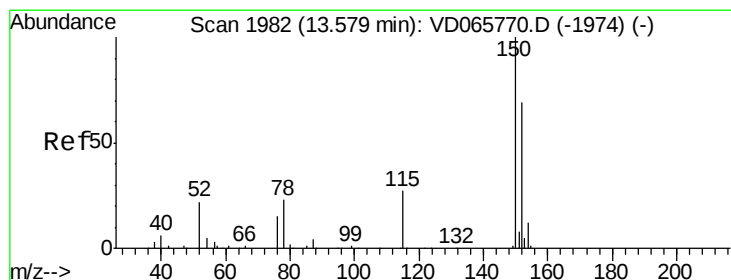
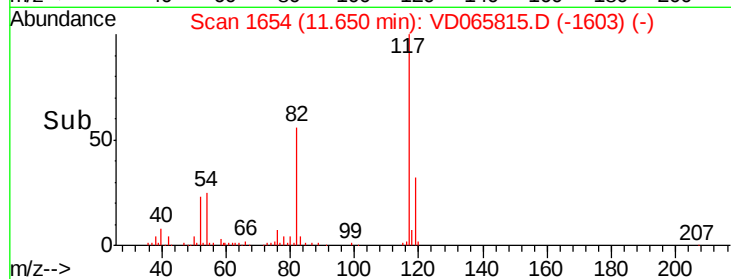
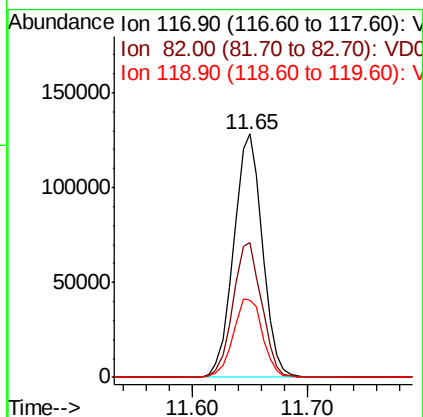
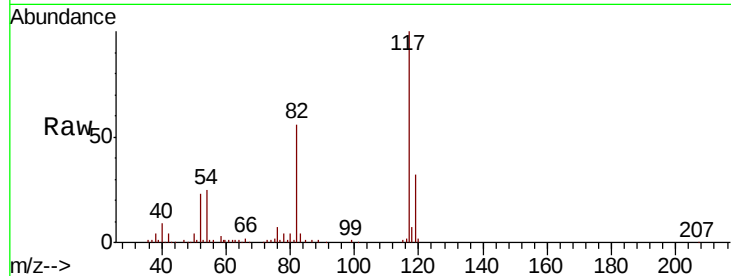




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065815.D
Acq: 18 Jun 2020 18:22

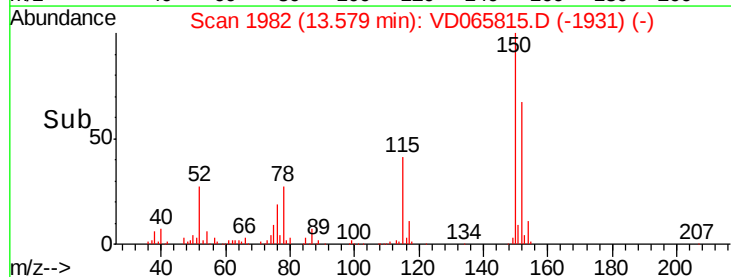
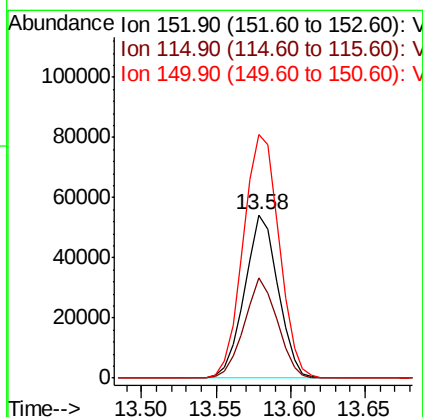
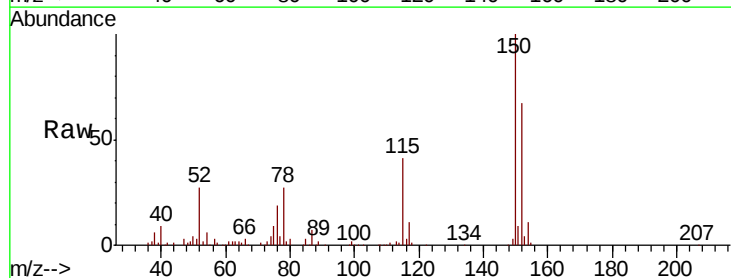
Instrument :
MSVOA_D
ClientSampleId :
RO-1

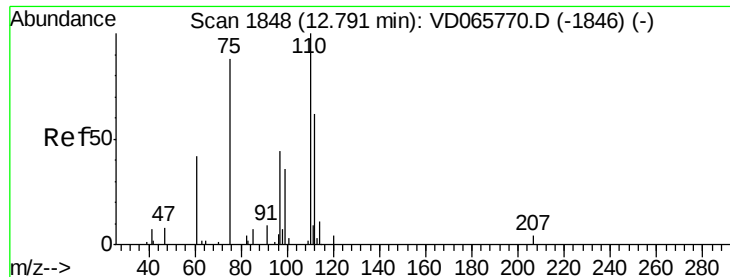
Tot Ion:117 Resp: 220541
Ion Ratio Lower Upper
117 100
82 55.5 41.9 62.9
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065815.D
Acq: 18 Jun 2020 18:22

Tgt Ion:152 Resp: 84405
Ion Ratio Lower Upper
152 100
115 60.5 28.7 86.1
150 159.8 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 66.712 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Instrument :

MSVOA_D

ClientSampled :

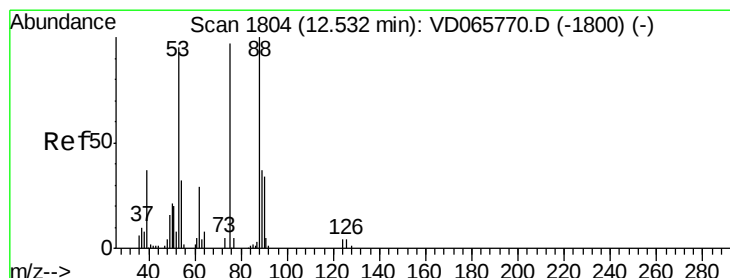
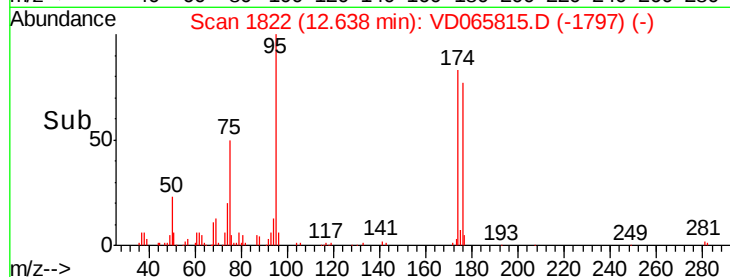
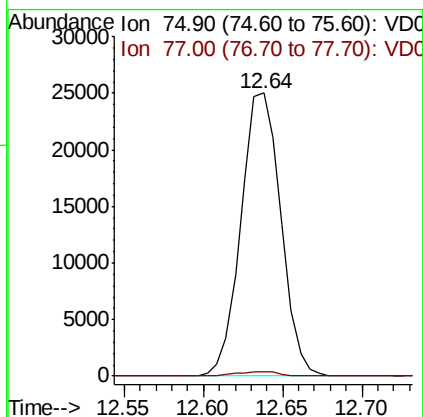
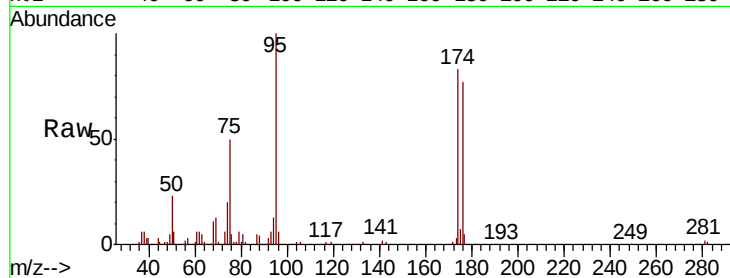
RO-1

Tot Ion: 75 Resp: 43792

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.140 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065815.D

Acq: 18 Jun 2020 18:22

Tgt Ion: 75 Resp: 43792

Ion Ratio Lower Upper

75 100

53 0.2 82.6 123.8#

89 0.0 35.9 53.9#

