

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065209.D
 Acq On : 17 Feb 2020 21:03
 Operator : VA/SY
 Sample : L1545-02
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-ARE

Quant Time: Feb 18 03:19:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	282246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	410313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171875	71.65	ug/l	0.00
Spiked Amount						
			Recovery	=	143.30%	
35) Dibromofluoromethane	7.92	113	107672	39.95	ug/l	0.00
Spiked Amount						
			Recovery	=	79.90%	
50) Toluene-d8	10.34	98	532376	49.63	ug/l	0.00
Spiked Amount						
			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.64	95	138113	40.64	ug/l	0.00
Spiked Amount						
			Recovery	=	81.28%	

Target Compounds

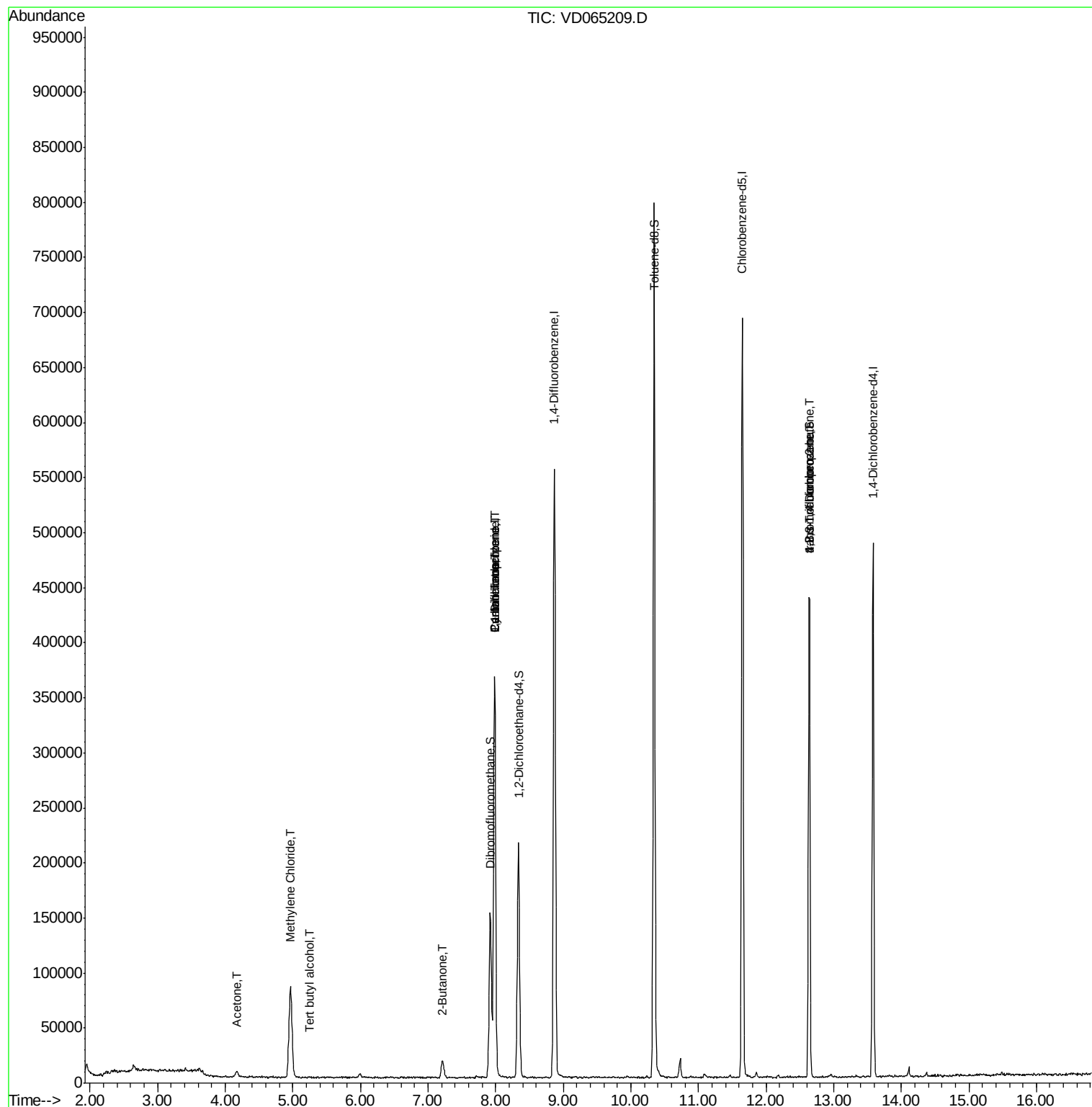
					Qvalue	
11) Tert butyl alcohol	5.25	59	291	1.985	ug/l #	71
16) Acetone	4.17	43	9565	15.948	ug/l	99
20) Methylene Chloride	4.97	84	64039	22.047	ug/l	98
25) 2-Butanone	7.22	43	1082	1.512	ug/l #	50
31) Cyclohexane	7.98	56	6214	1.302	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	20649	4.598	ug/l #	49
38) Carbon Tetrachloride	7.98	117	25644	5.591	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.95	63	458	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	69500	69.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69500	139.461	ug/l #	10

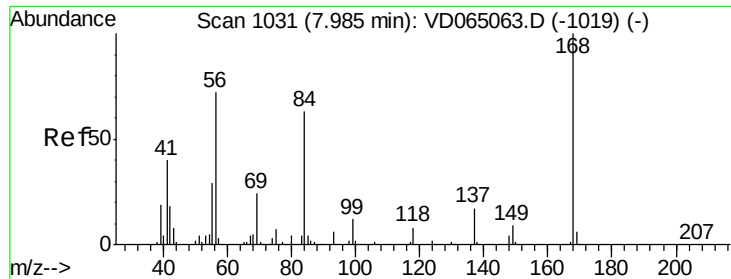
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065209.D

Acq: 17 Feb 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

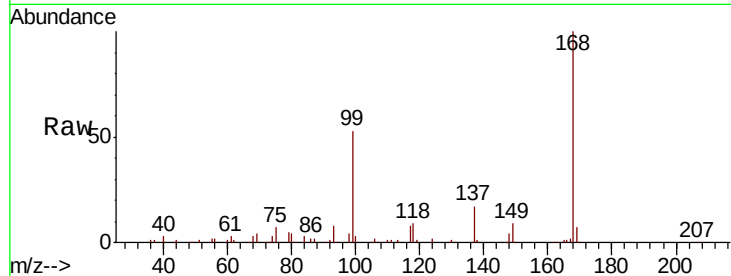
43ST-ARE

Tot Ion:168 Resp: 282246

Ion Ratio Lower Upper

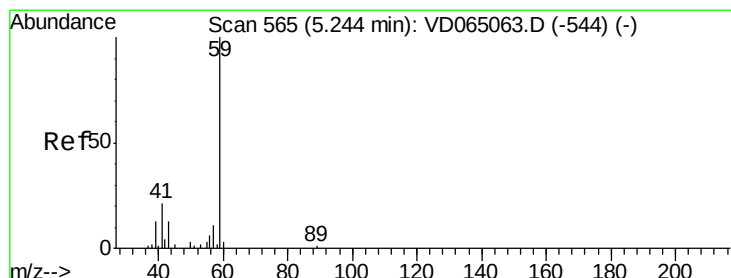
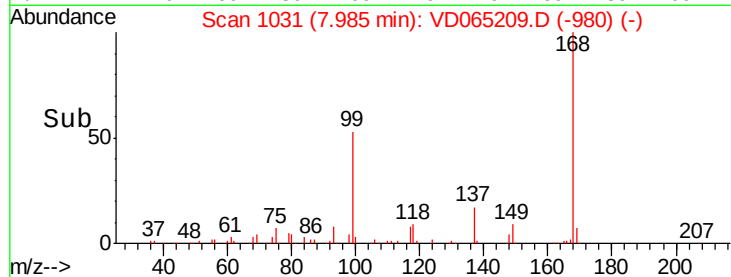
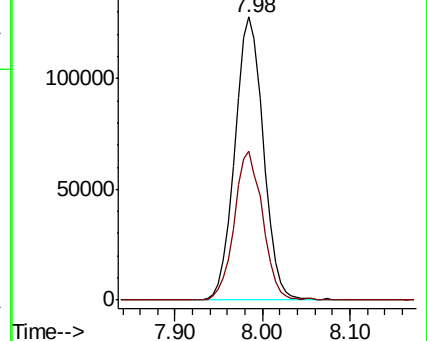
168 100

99 52.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#11

Tert butyl alcohol

Concen: 1.985 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065209.D

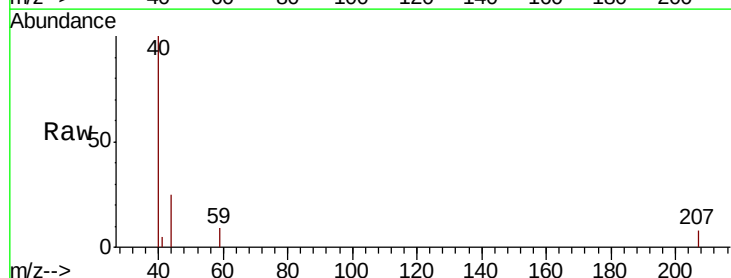
Acq: 17 Feb 2020 21:03

Tgt Ion: 59 Resp: 291

Ion Ratio Lower Upper

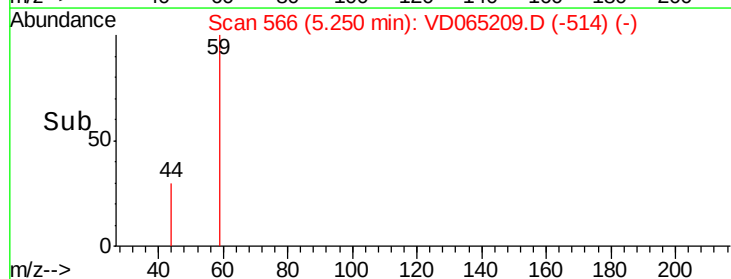
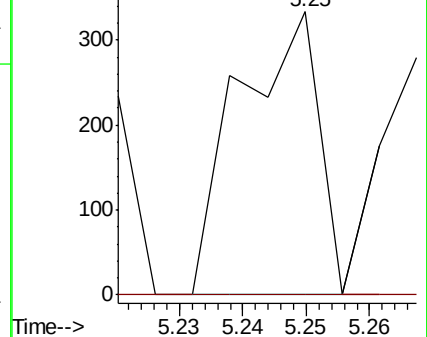
59 100

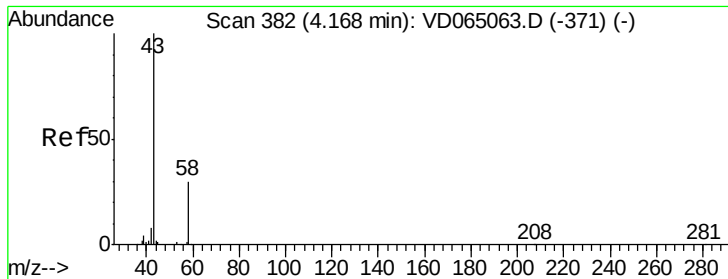
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 15.948 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065209.D

Acq: 17 Feb 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

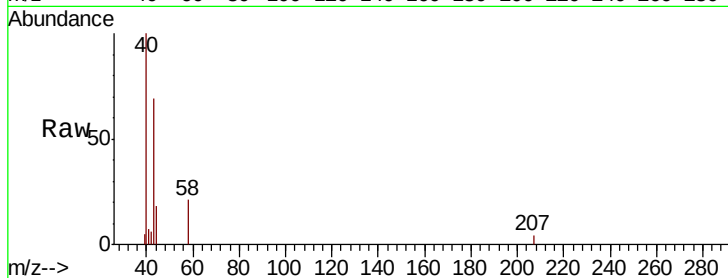
43ST-ARE

Tot Ion: 43 Resp: 9565

Ion Ratio Lower Upper

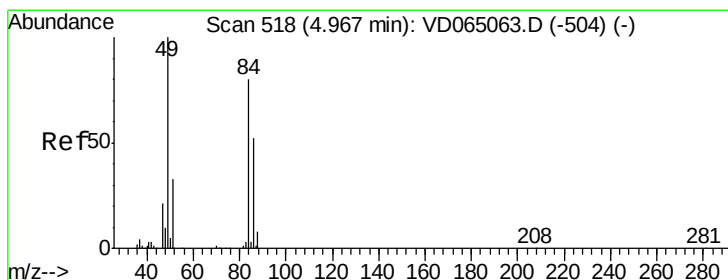
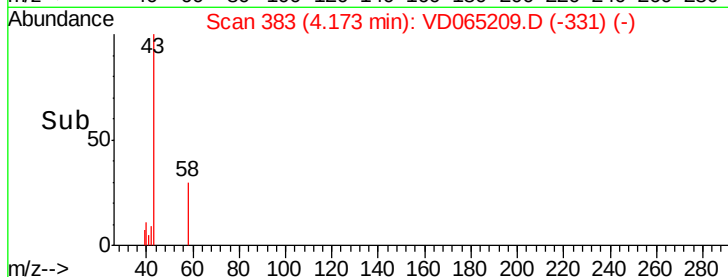
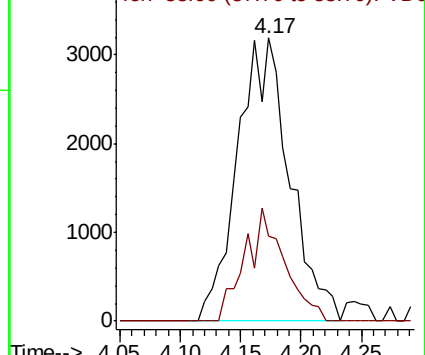
43 100

58 30.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 22.047 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065209.D

Acq: 17 Feb 2020 21:03

Tgt Ion: 84 Resp: 64039

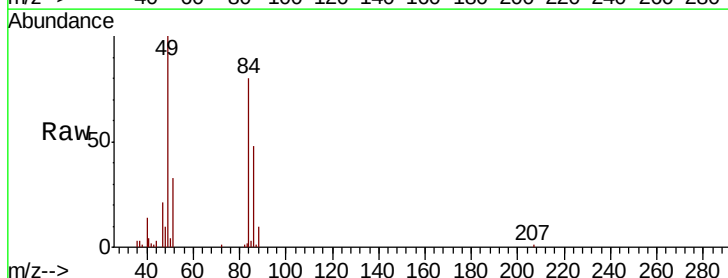
Ion Ratio Lower Upper

84 100

49 125.6 100.4 150.6

51 41.7 32.7 49.1

86 60.2 52.4 78.6

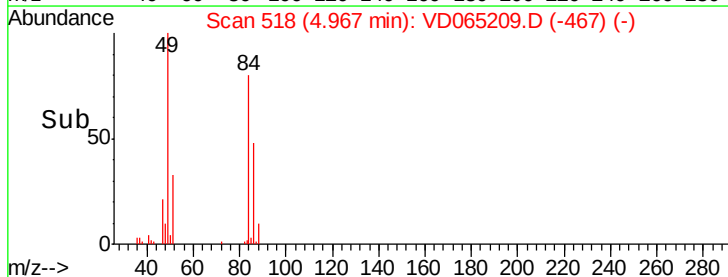
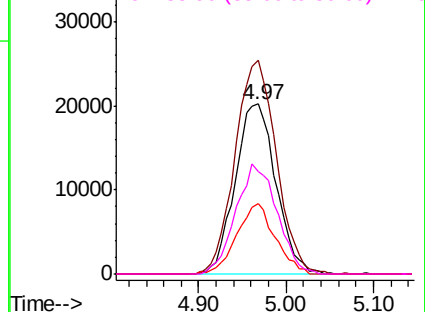


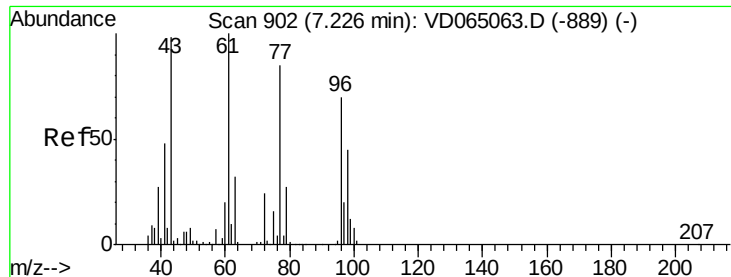
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

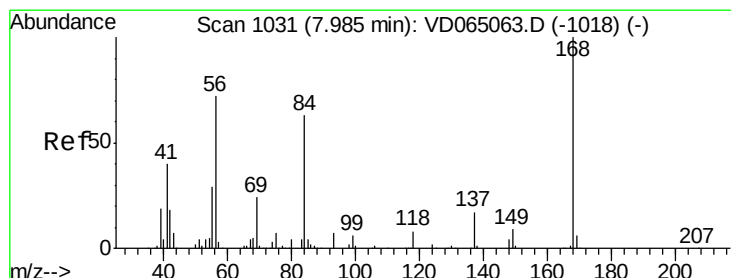
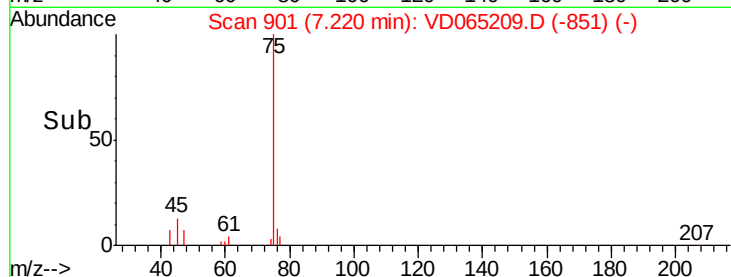
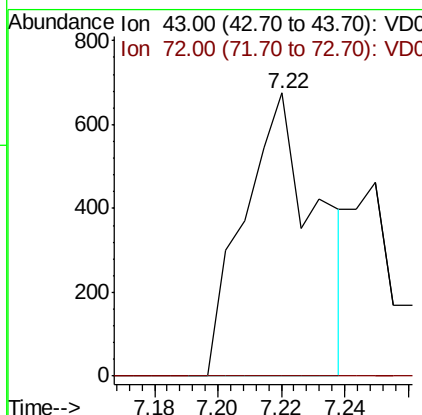
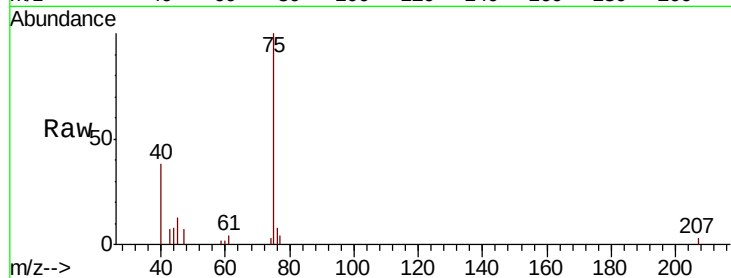




#25
2-Butanone
Concen: 1.512 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

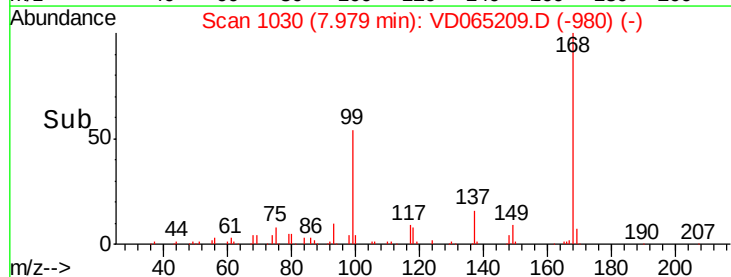
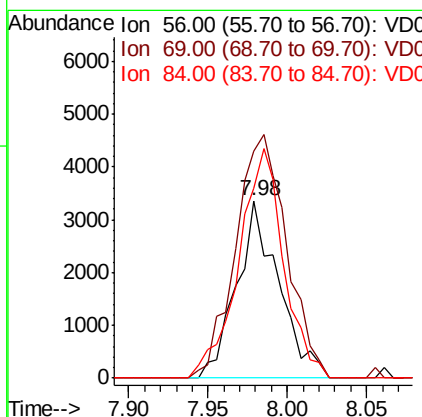
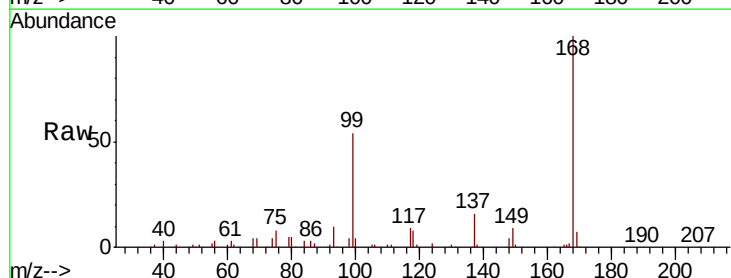
Instrument :
MSVOA_D
ClientSampleId :
43ST-ARE

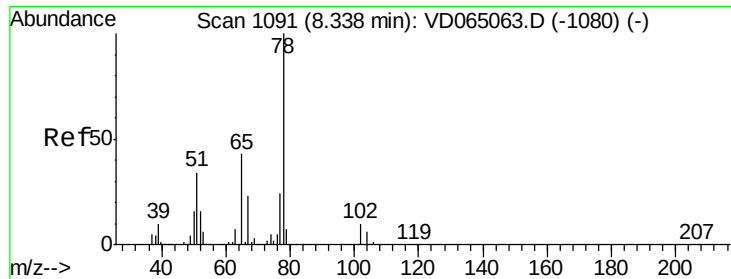
Tot Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

Tgt Ion: 56 Resp: 6214
Ion Ratio Lower Upper
56 100
69 128.2 26.6 40.0#
84 107.3 70.6 106.0#

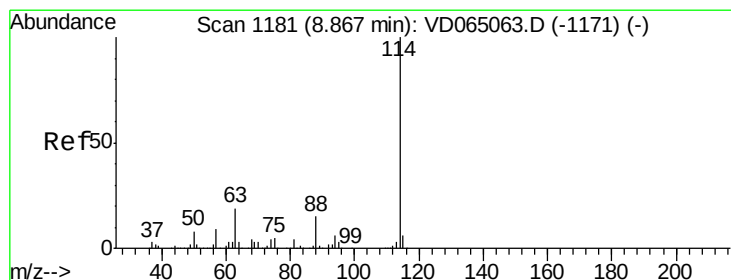
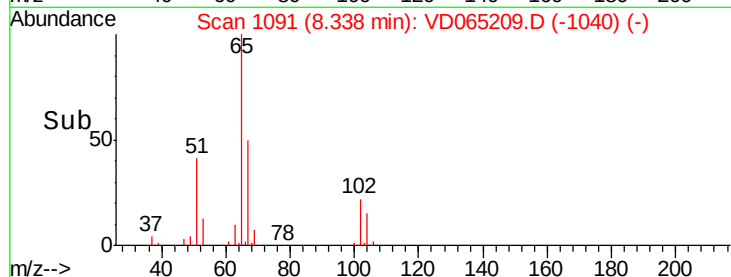
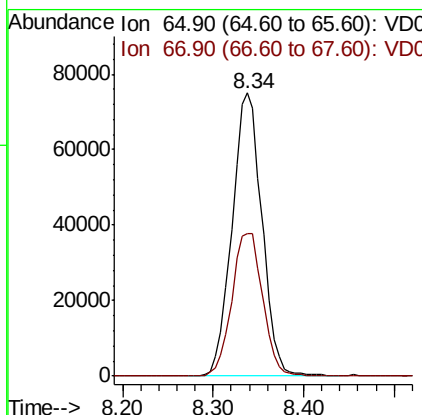
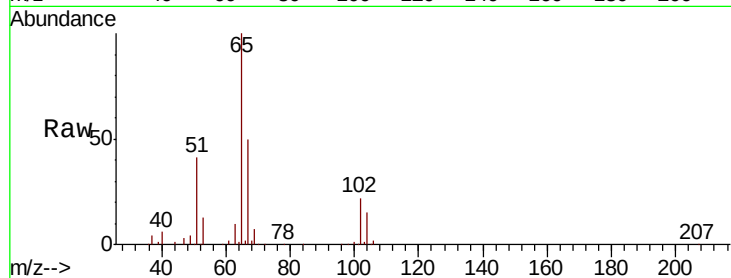




#33
 1,2-Dichloroethane-d4
 Concen: 71.649 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

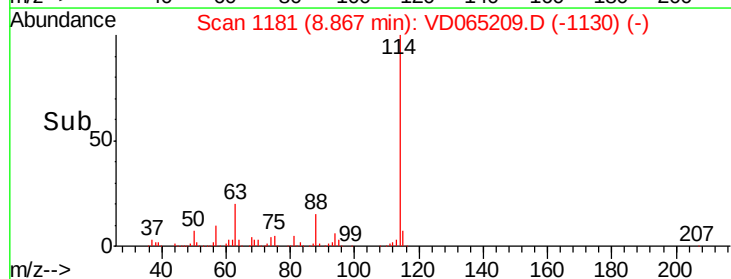
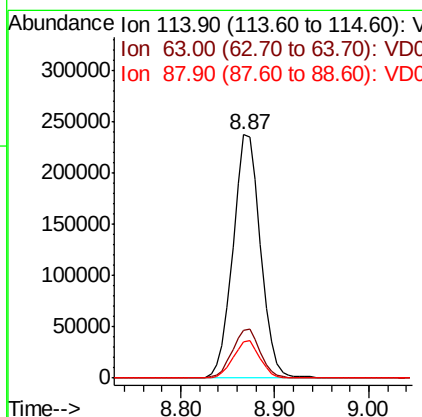
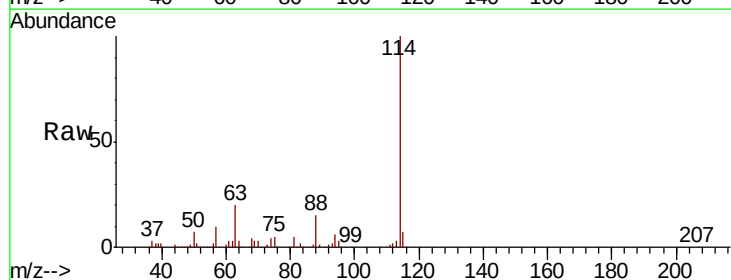
Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-ARE

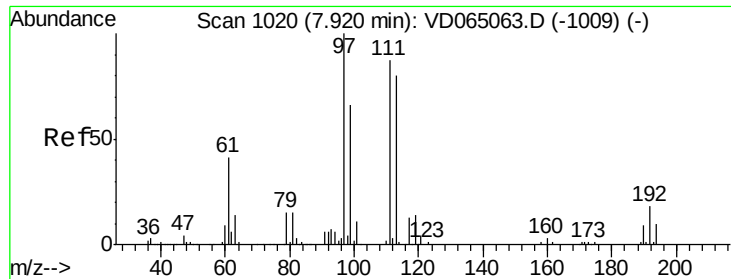
Tot Ion: 65 Resp: 171875
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

Tgt Ion: 114 Resp: 483009
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.0 0.0 29.6

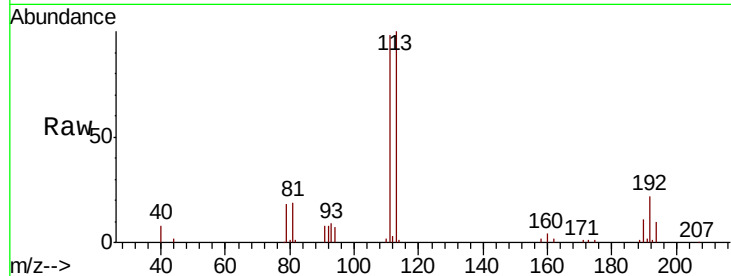




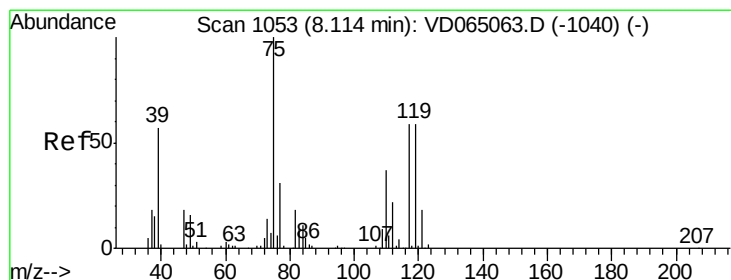
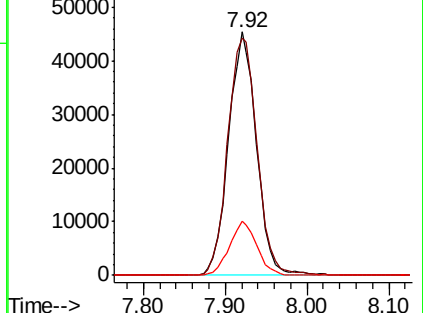
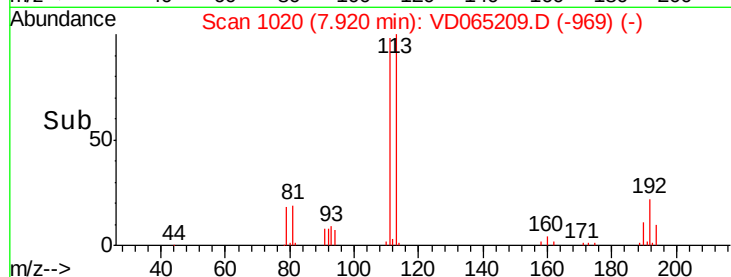
#35
 Dibromofluoromethane
 Concen: 39.954 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-ARE

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	21.6	18.1	27.1

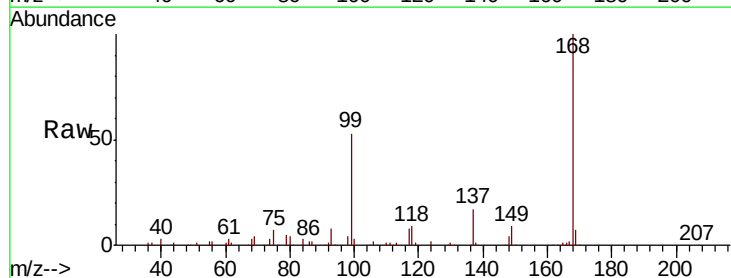


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

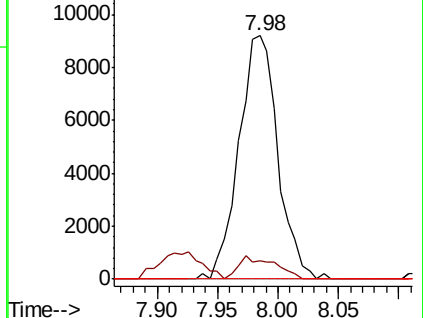
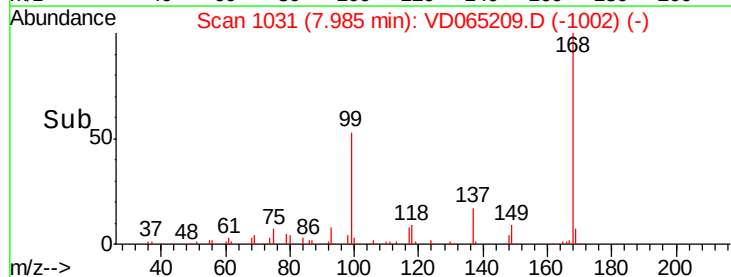


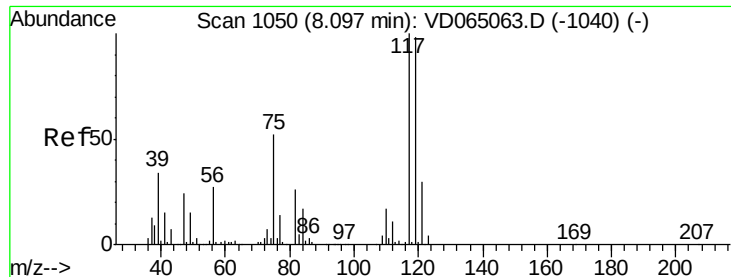
#36
 1,1-Dichloropropene
 Concen: 4.598 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	24.7	37.1#



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

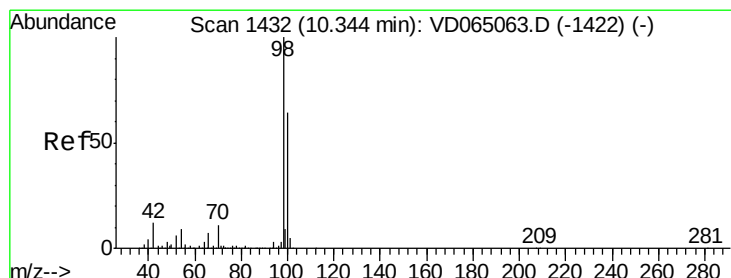
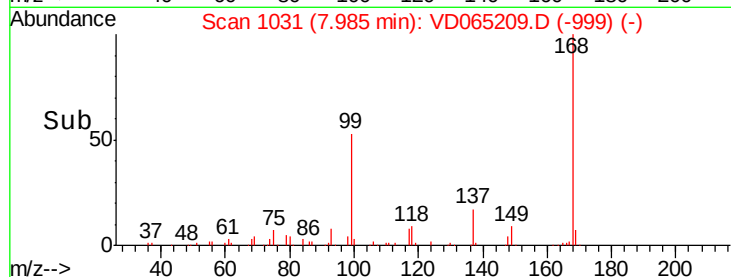
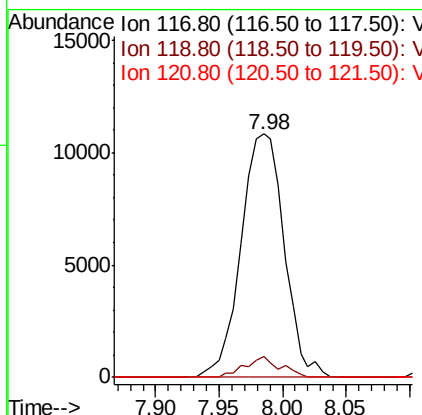
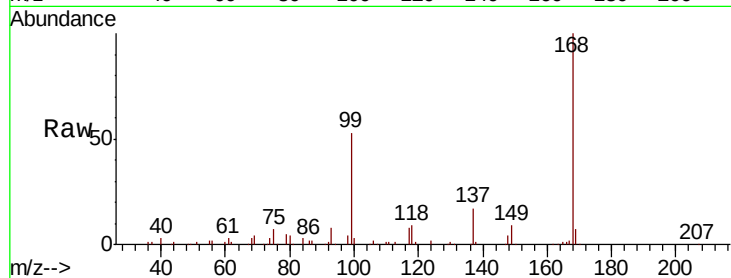




#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

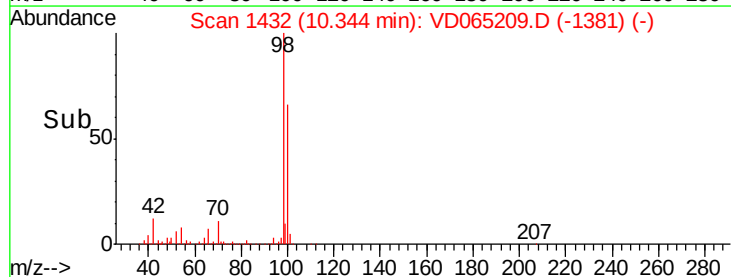
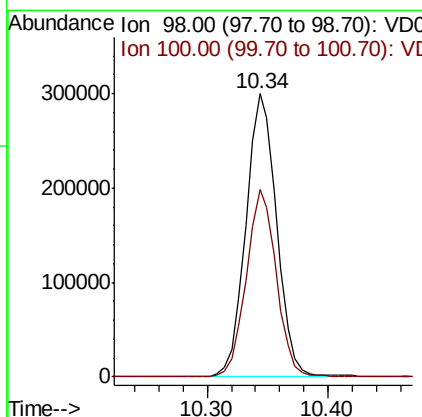
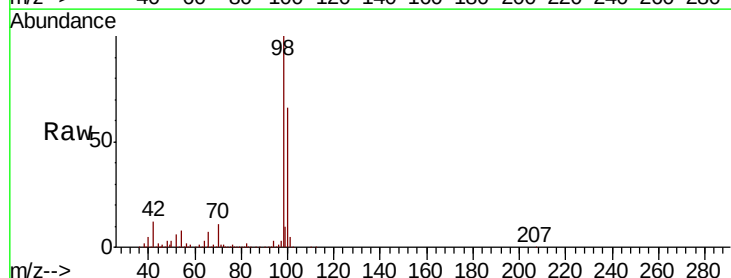
Instrument :
MSVOA_D
ClientSampleId :
43ST-ARE

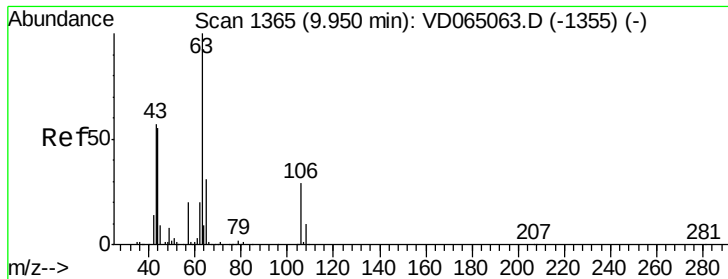
Tot Ion:117 Resp: 25644
Ion Ratio Lower Upper
117 100
119 8.6 78.5 117.7#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

Tgt Ion: 98 Resp: 532376
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065209.D

Acq: 17 Feb 2020 21:03

Instrument :

MSVOA_D

ClientSampled :

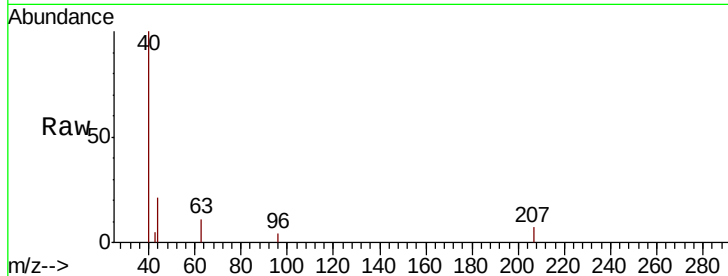
43ST-ARE

Tot Ion: 63 Resp: 458

Ion Ratio Lower Upper

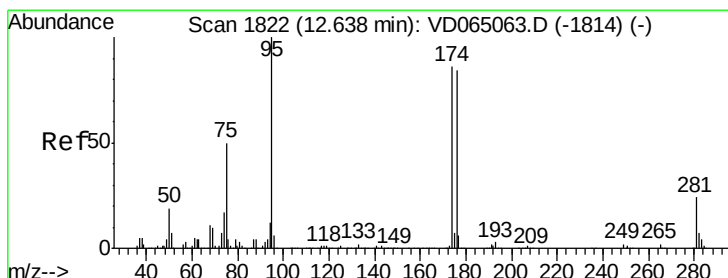
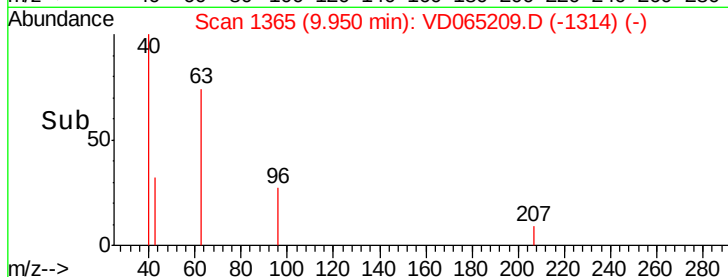
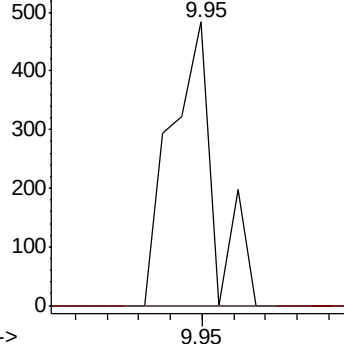
63 100

106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V



#62

4-Bromofluorobenzene

Concen: 40.636 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065209.D

Acq: 17 Feb 2020 21:03

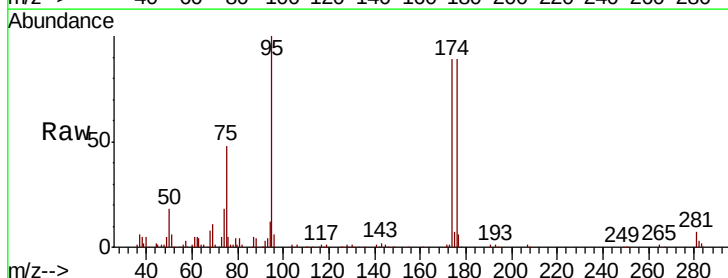
Tgt Ion: 95 Resp: 138113

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

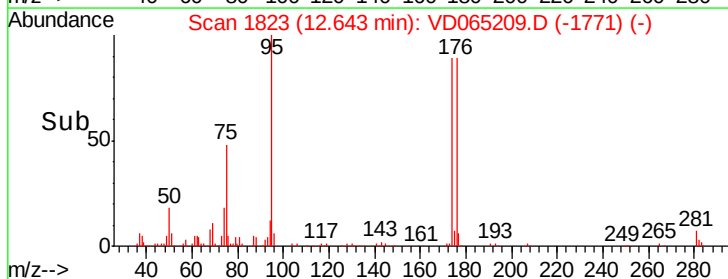
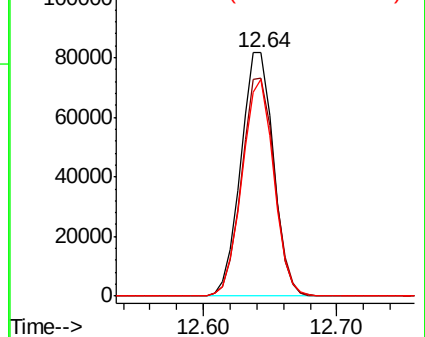
176 86.2 0.0 173.2

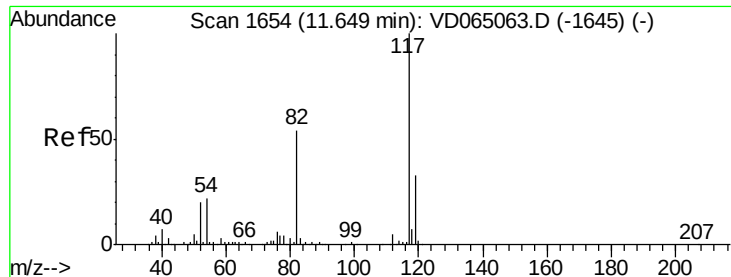


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

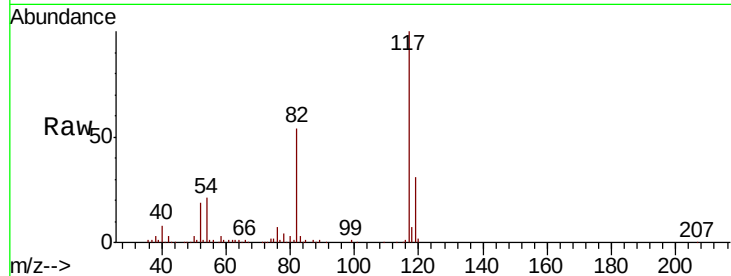




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
43ST-ARE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.1	64.7
119	31.5	26.0	39.0

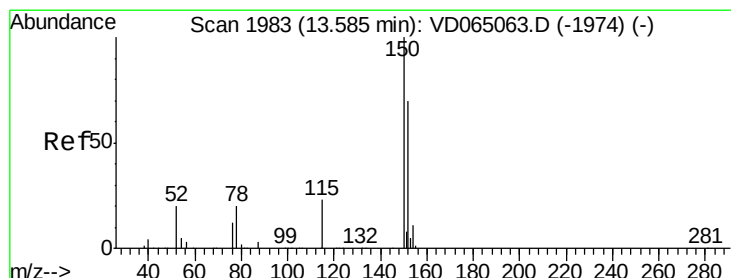
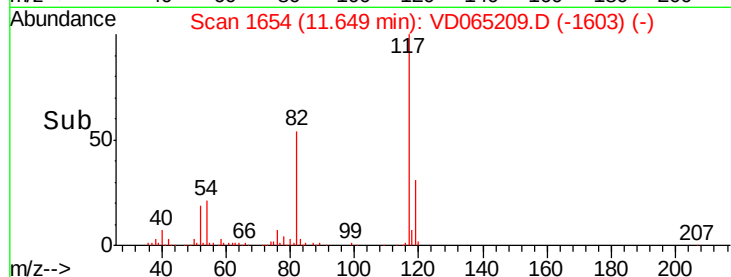
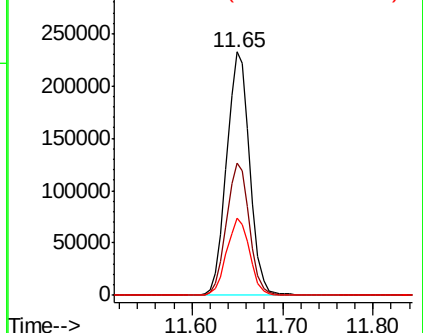


Abundance

Ion 116.90 (116.60 to 117.60): V

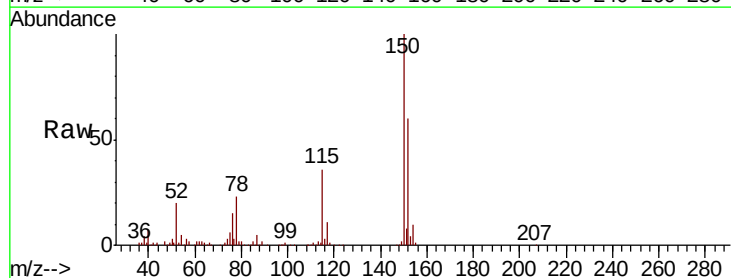
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065209.D
Acq: 17 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.5	82.4
150	156.4	0.0	343.2

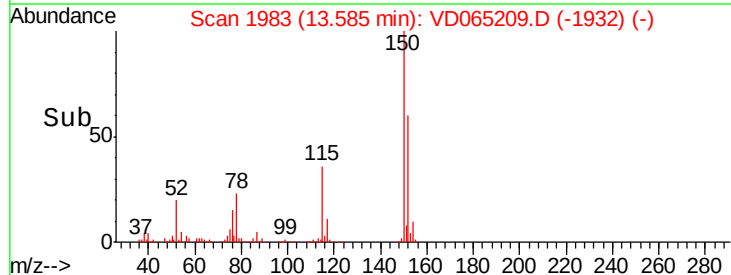
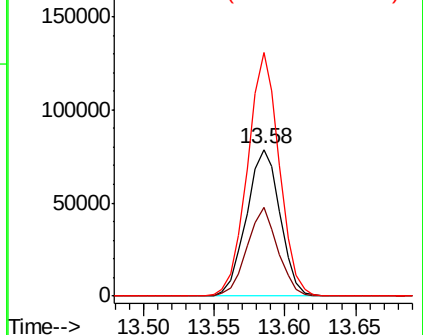


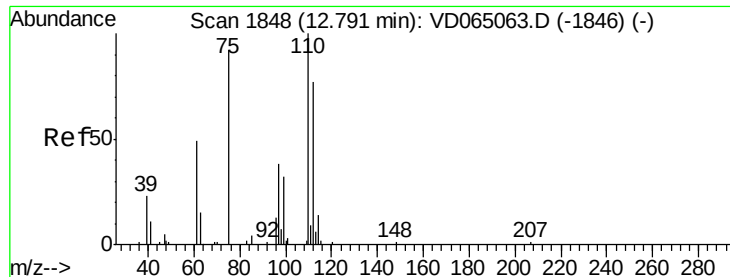
Abundance

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

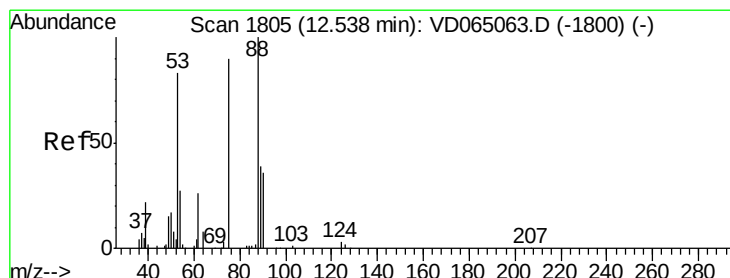
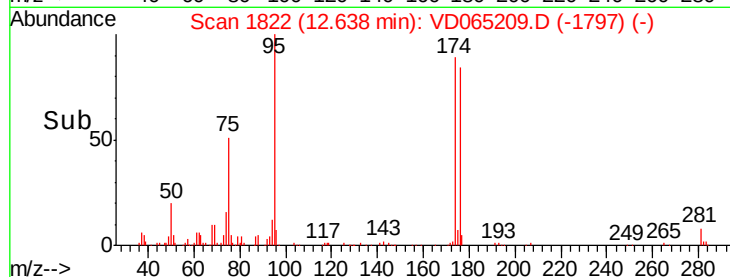
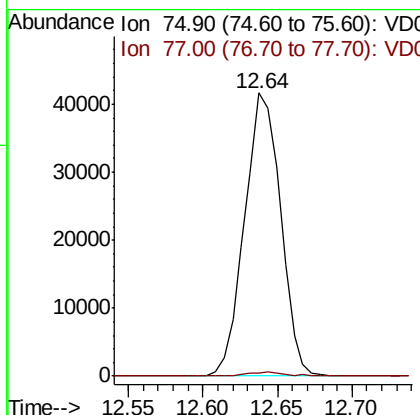
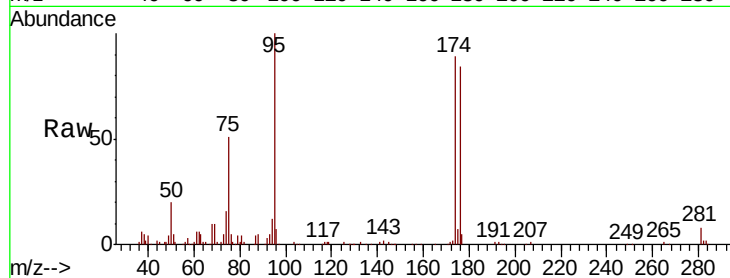




#76
 1,2,3-Trichloropropane
 Concen: 69.733 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-ARE

Tot Ion: 75 Resp: 69500
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.461 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065209.D
 Acq: 17 Feb 2020 21:03

Tgt Ion: 75 Resp: 69500
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.0 55.4#

