

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065200.D
 Acq On : 17 Feb 2020 16:52
 Operator : VA/SY
 Sample : L1545-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-A

Quant Time: Feb 18 03:16:35 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	294609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	498353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	425691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193676	77.35	ug/l	0.00
Spiked Amount						
				Recovery	=	154.70%
35) Dibromofluoromethane	7.92	113	136057	48.93	ug/l	0.00
Spiked Amount						
				Recovery	=	97.86%
50) Toluene-d8	10.34	98	598997	54.12	ug/l	0.00
Spiked Amount						
				Recovery	=	108.24%
62) 4-Bromofluorobenzene	12.64	95	164745	46.98	ug/l	0.00
Spiked Amount						
				Recovery	=	93.96%

Target Compounds

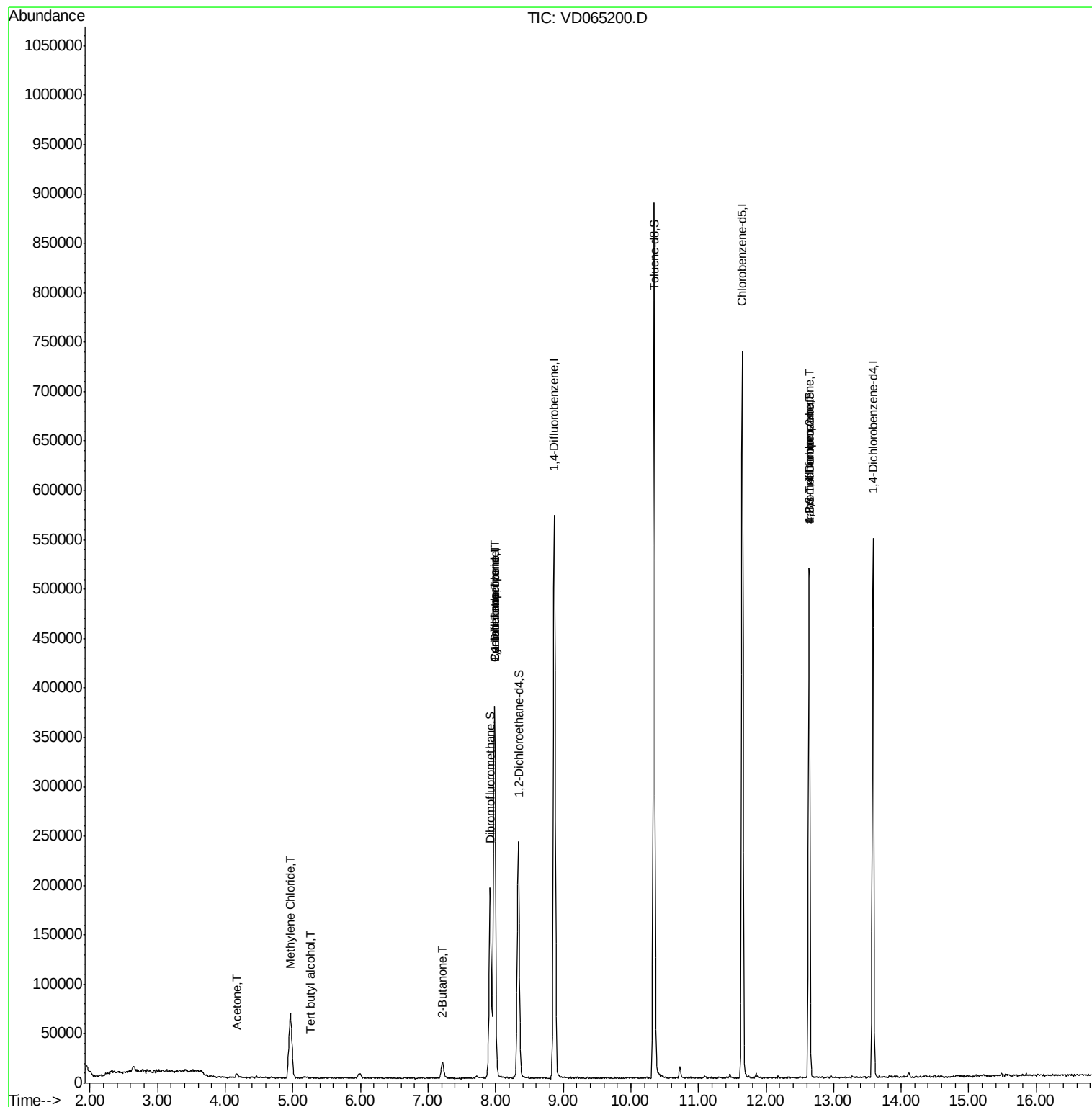
					Qvalue	
11) Tert butyl alcohol	5.25	59	404	2.641	ug/l #	71
16) Acetone	4.17	43	5561	8.883	ug/l #	89
20) Methylene Chloride	4.97	84	49452	15.198	ug/l	99
25) 2-Butanone	7.22	43	1410	1.888	ug/l #	50
31) Cyclohexane	7.98	56	6165	1.238	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	21953	4.737	ug/l #	47
38) Carbon Tetrachloride	7.98	117	28084	5.934	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.94	63	672	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	81732	73.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	81732	147.104	ug/l #	10

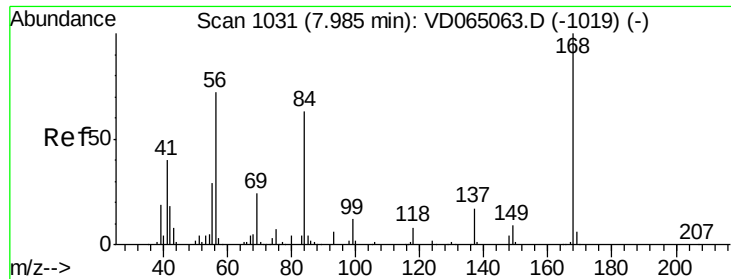
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021720\
Data File : VD065200.D
Acq On : 17 Feb 2020 16:52
Operator : VA/SY
Sample : L1545-02
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
43ST-A

Quant Time: Feb 18 03:16:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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: VD065200.D

Acq: 17 Feb 2020 16:52

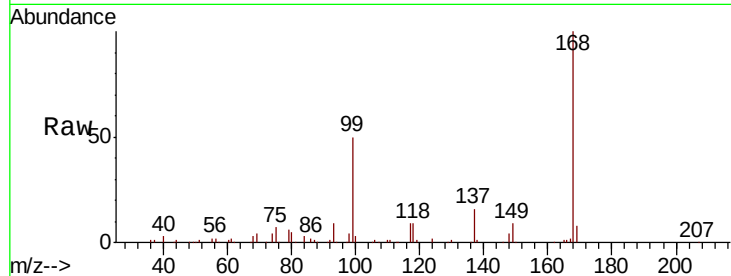
Instrument :
MSVOA_D
ClientSampleId :
43ST-A

Tot Ion:168 Resp: 294609

Ion Ratio Lower Upper

168 100

99 50.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

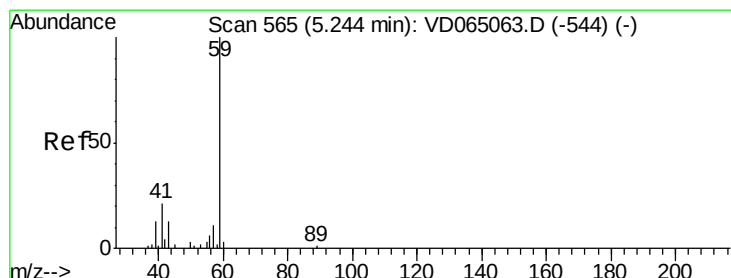
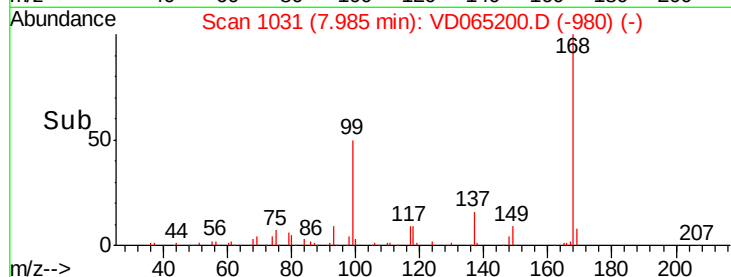
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.641 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065200.D

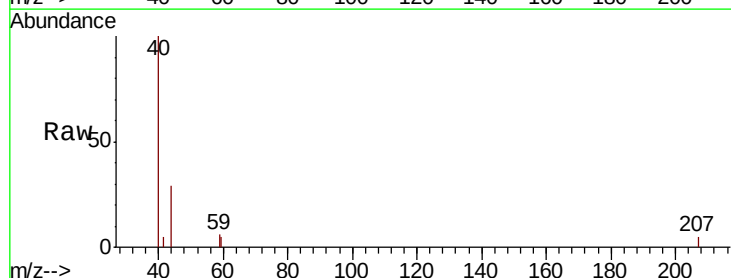
Acq: 17 Feb 2020 16:52

Tgt Ion: 59 Resp: 404

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

400

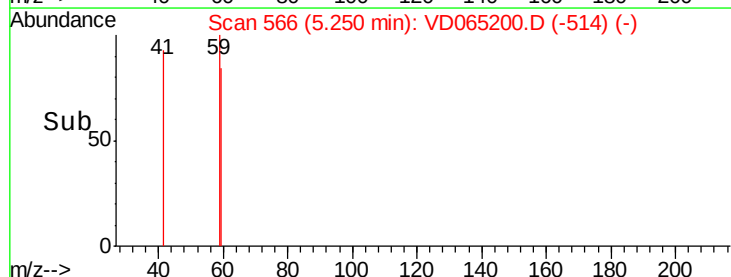
300

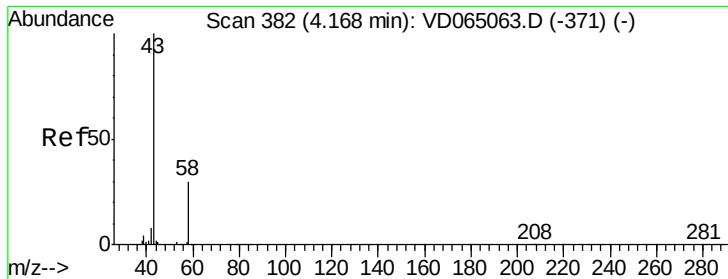
200

100

0

Time-->





#16

Acetone

Concen: 8.883 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

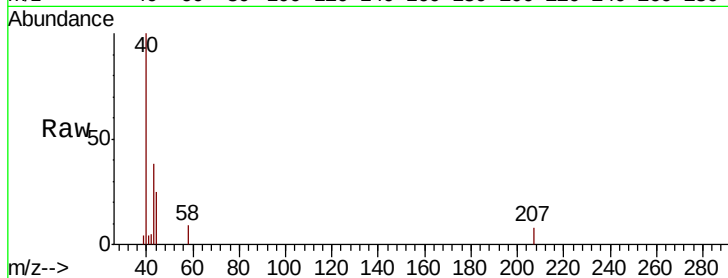
43ST-A

Tot Ion: 43 Resp: 5561

Ion Ratio Lower Upper

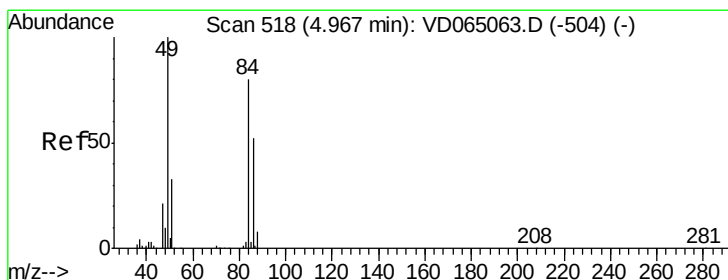
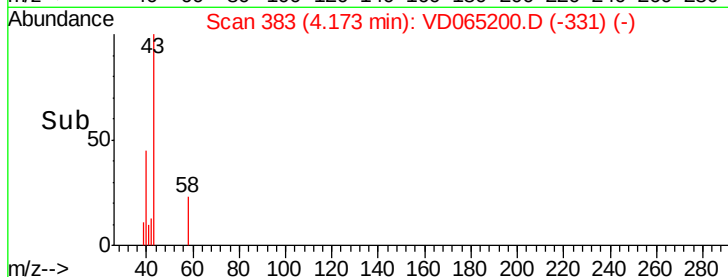
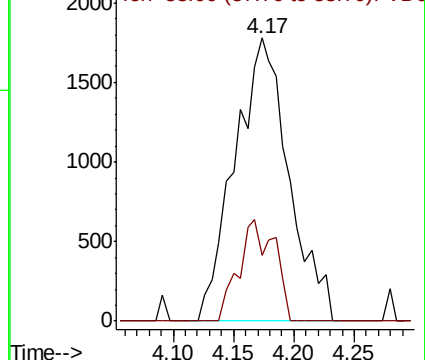
43 100

58 23.5 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: 15.198 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

Tgt Ion: 84 Resp: 49452

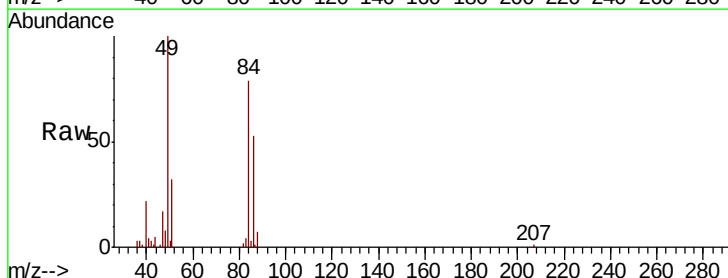
Ion Ratio Lower Upper

84 100

49 126.7 100.4 150.6

51 40.1 32.7 49.1

86 67.0 52.4 78.6

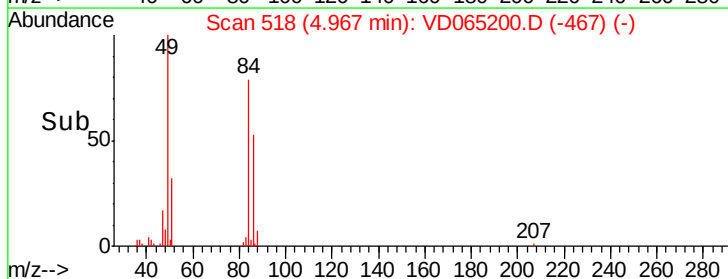
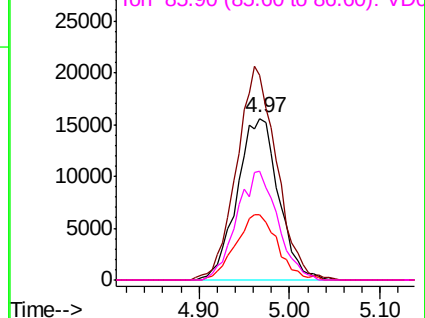


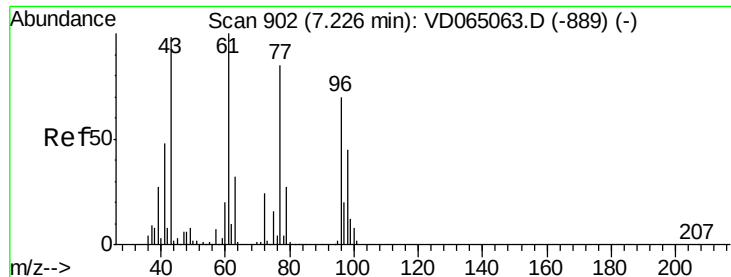
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.888 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

Instrument :

MSVOA_D

ClientSampled :

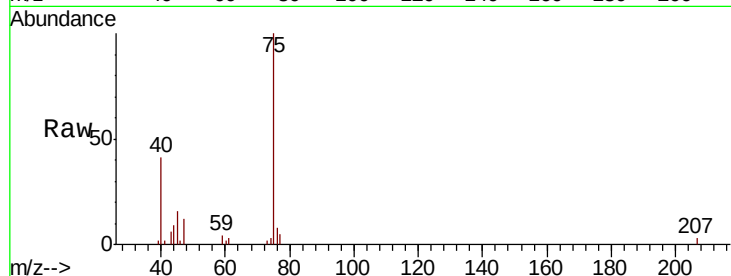
43ST-A

Tot Ion: 43 Resp: 1410

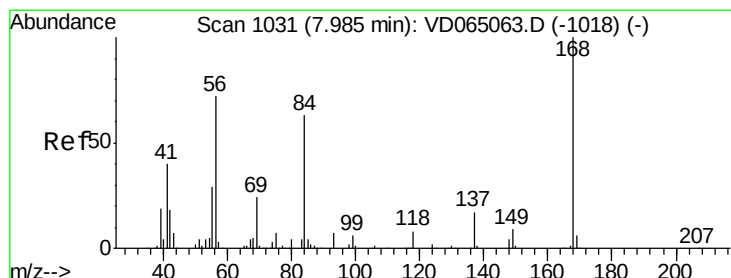
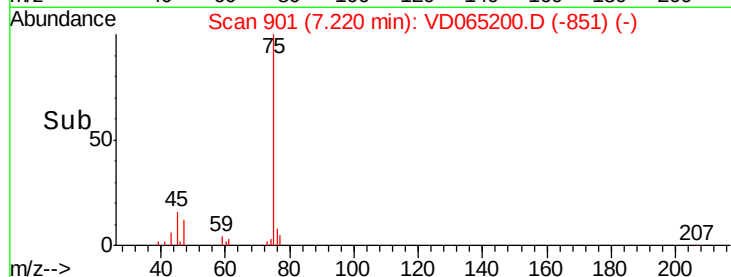
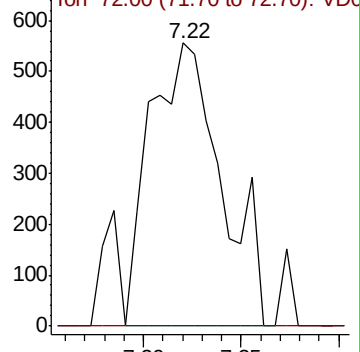
Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

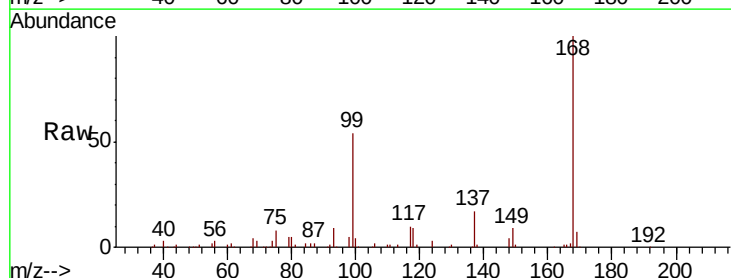
Tgt Ion: 56 Resp: 6165

Ion Ratio Lower Upper

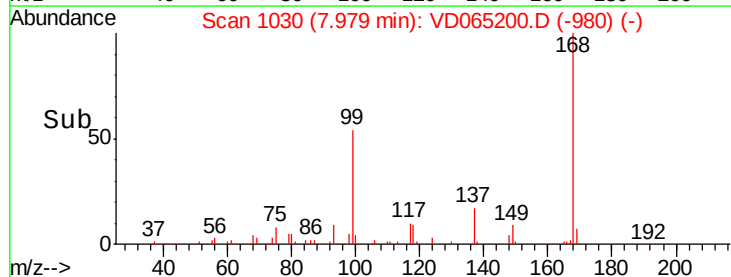
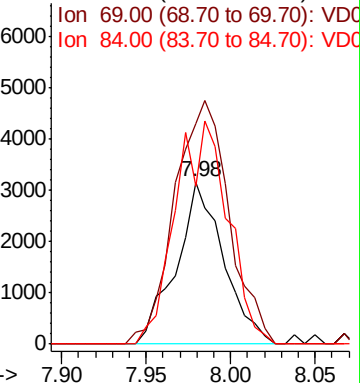
56 100

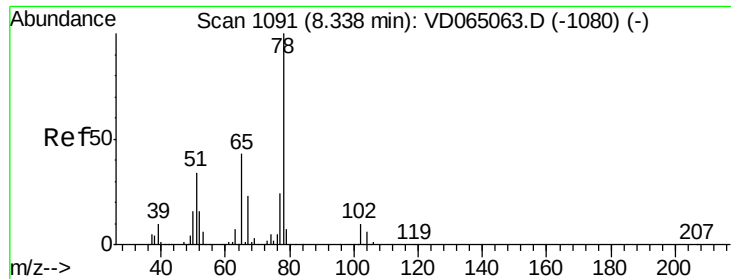
69 135.8 26.6 40.0#

84 96.9 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

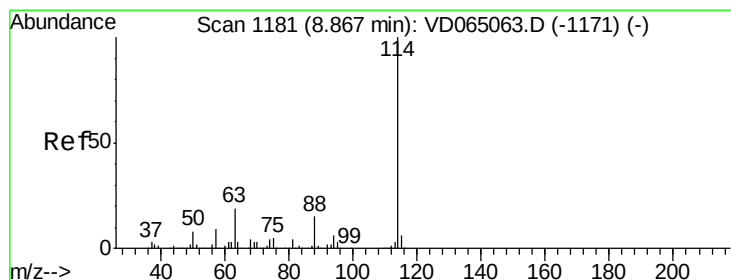
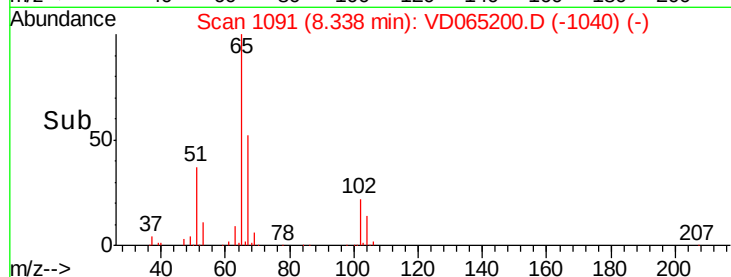
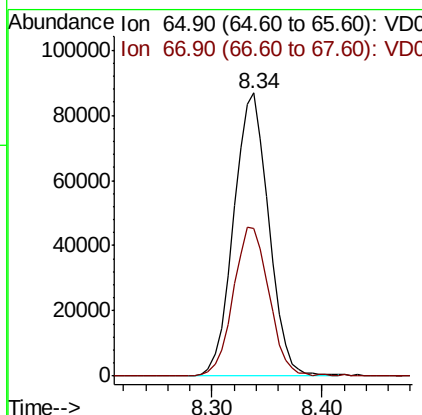
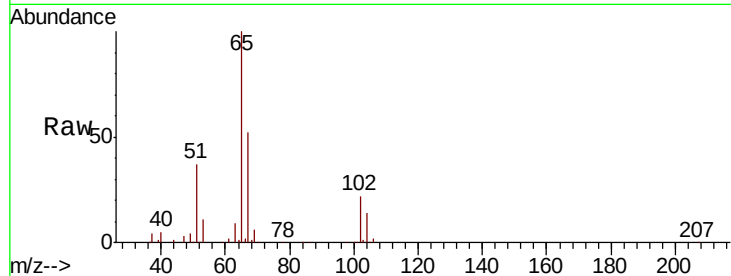




#33
 1,2-Dichloroethane-d4
 Concen: 77.349 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

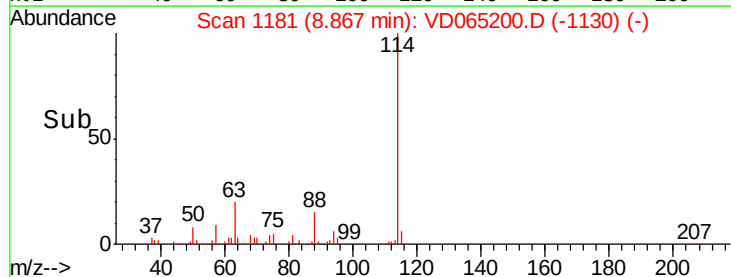
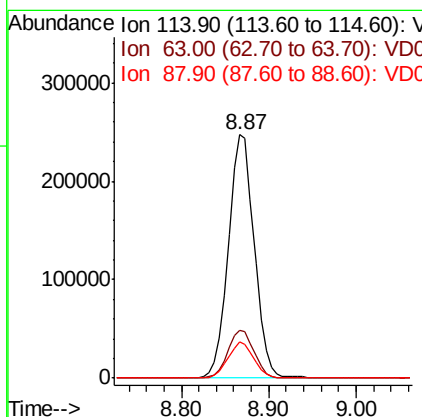
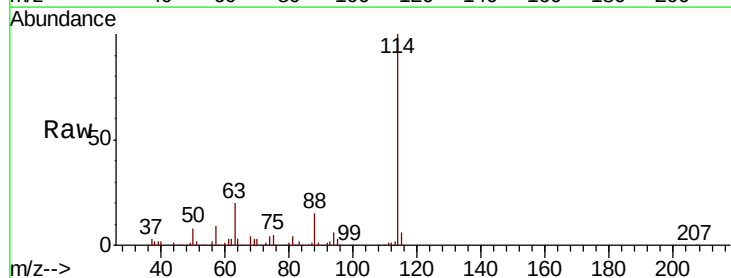
Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-A

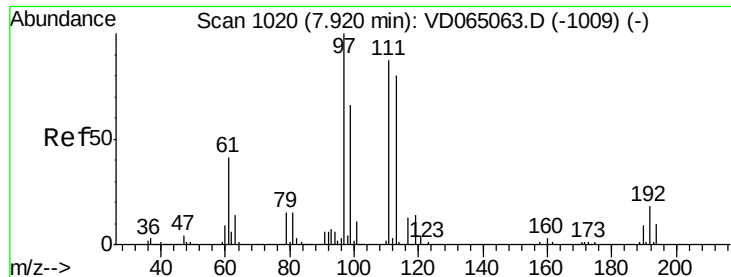
Tot Ion: 65 Resp: 193676
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

Tgt Ion: 114 Resp: 498353
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 14.7 0.0 29.6

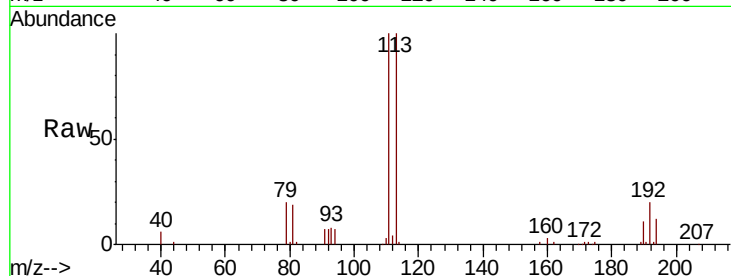




#35
 Dibromofluoromethane
 Concen: 48.933 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-A

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	21.9	18.1	27.1

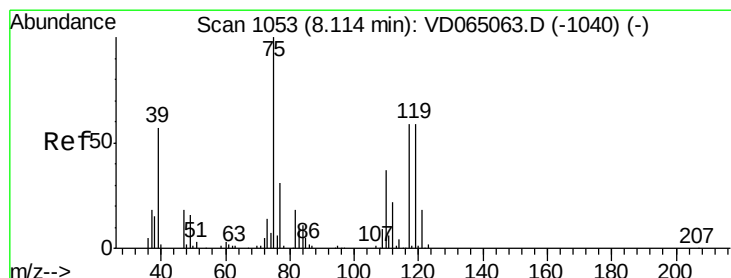
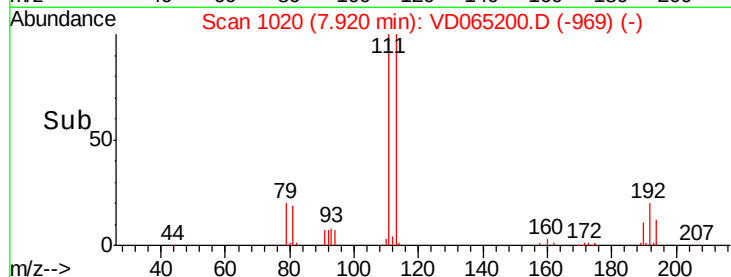
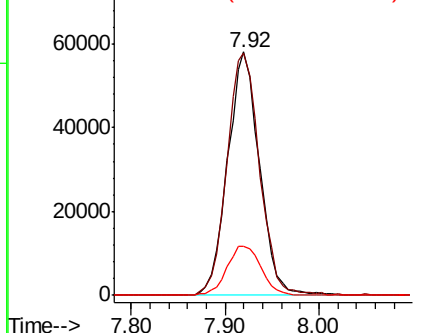


Abundance

Ion 112.80 (112.50 to 113.50): V

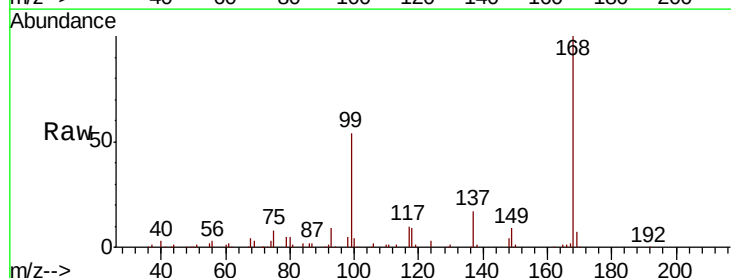
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.5	18.1	54.3#
77	0.0	24.7	37.1#

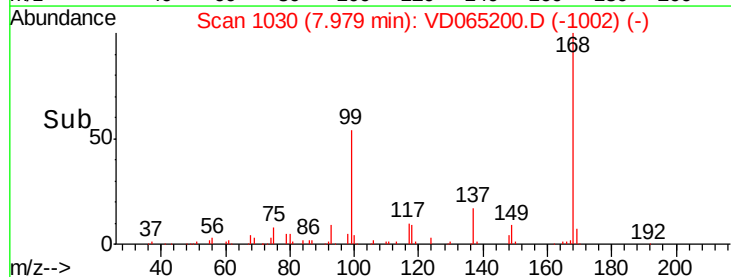
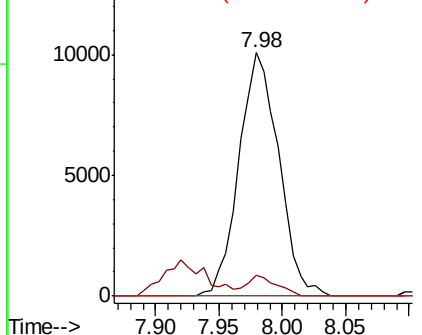


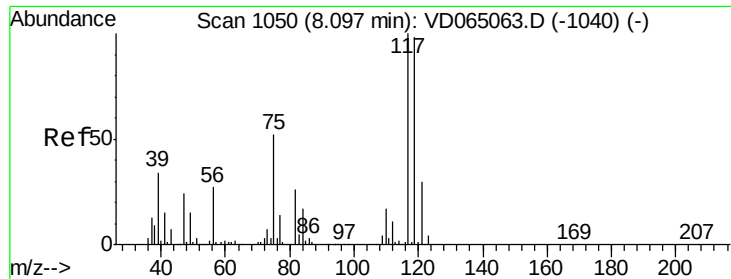
Abundance

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: 5.934 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

43ST-A

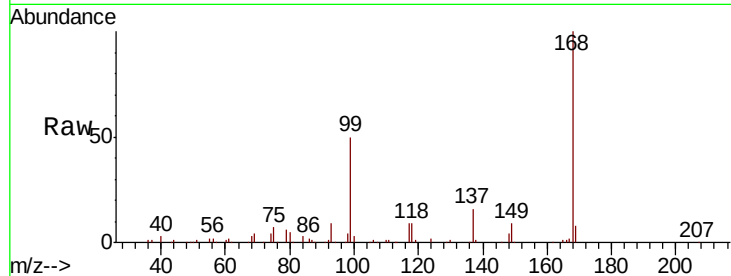
Tot Ion:117 Resp: 28084

Ion Ratio Lower Upper

117 100

119 6.2 78.5 117.7#

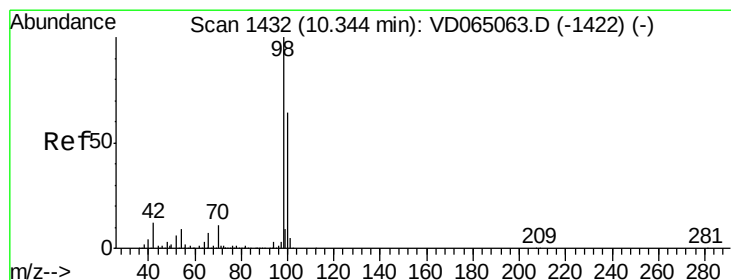
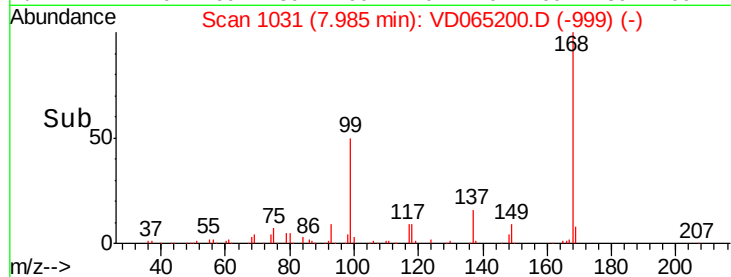
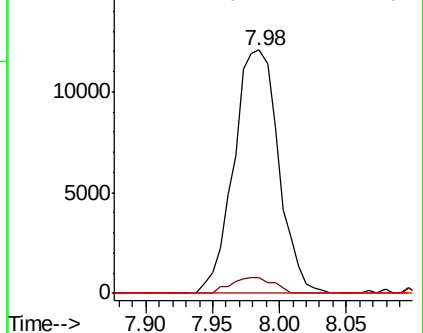
121 0.0 23.8 35.6#



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: 54.124 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065200.D

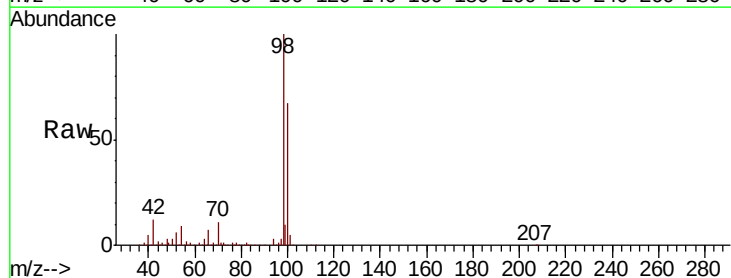
Acq: 17 Feb 2020 16:52

Tgt Ion: 98 Resp: 598997

Ion Ratio Lower Upper

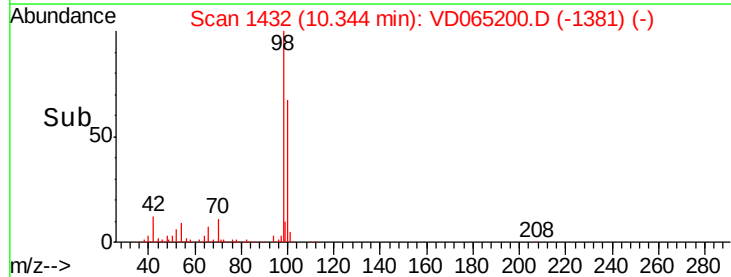
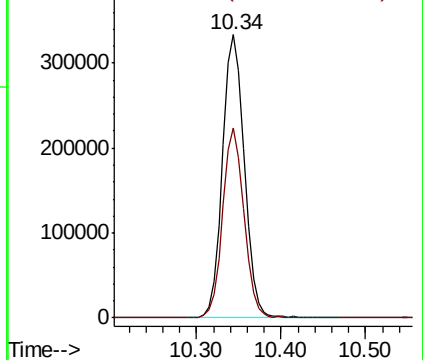
98 100

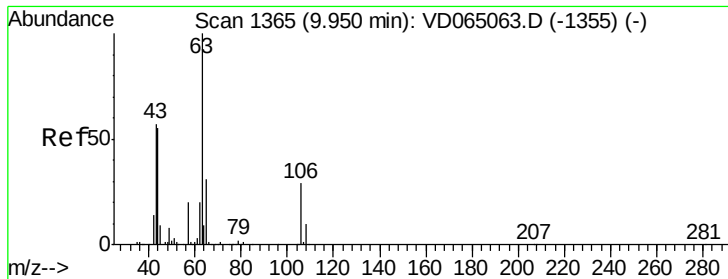
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

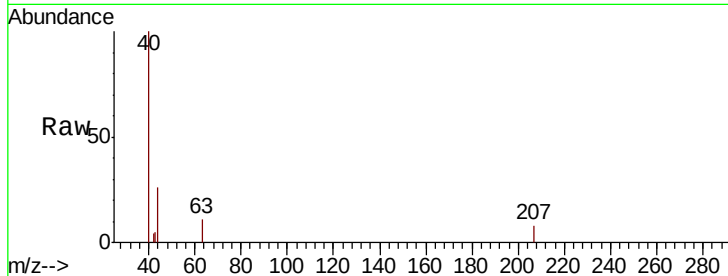




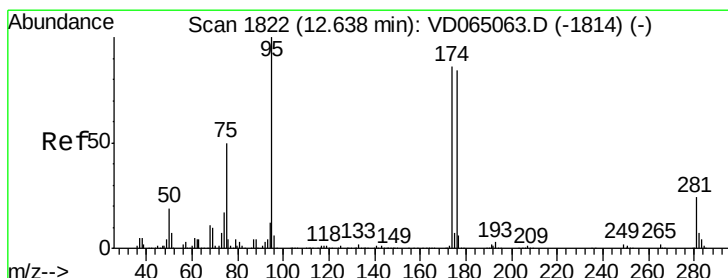
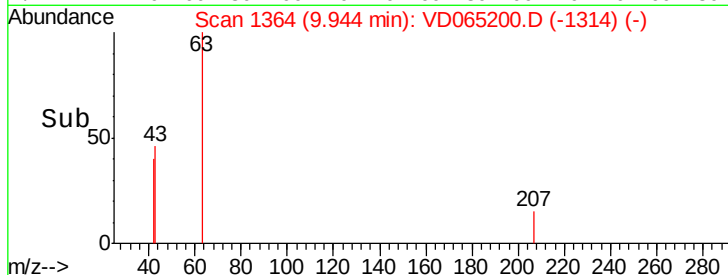
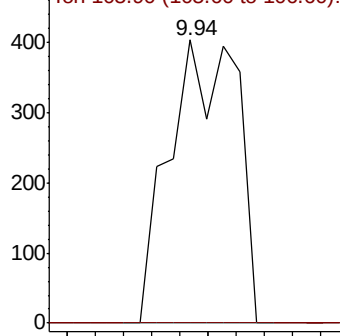
#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-A

Tot Ion: 63 Resp: 672
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#

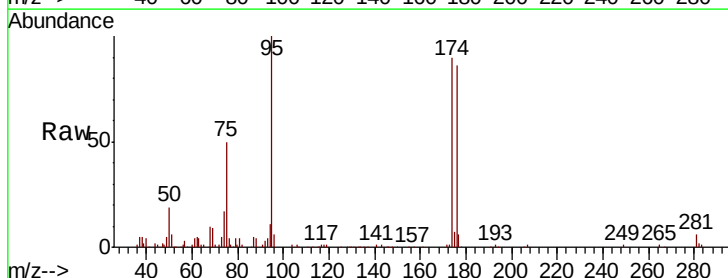


Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 105.90 (105.60 to 106.60): V

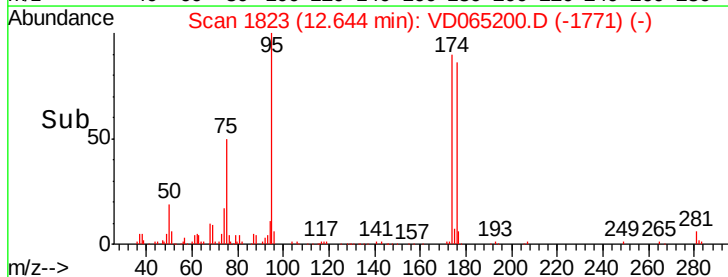
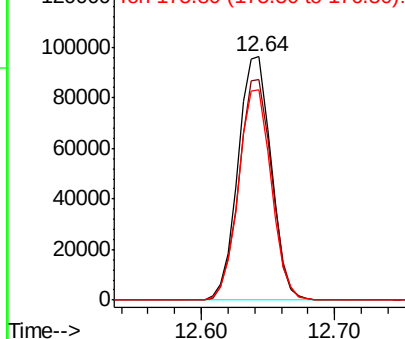


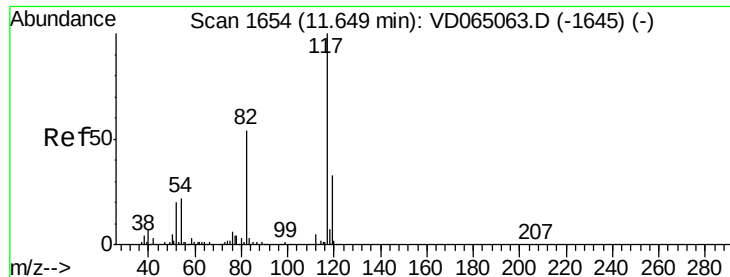
#62
 4-Bromofluorobenzene
 Concen: 46.979 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065200.D
 Acq: 17 Feb 2020 16:52

Tgt Ion: 95 Resp: 164745
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 180.0
 176 85.8 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

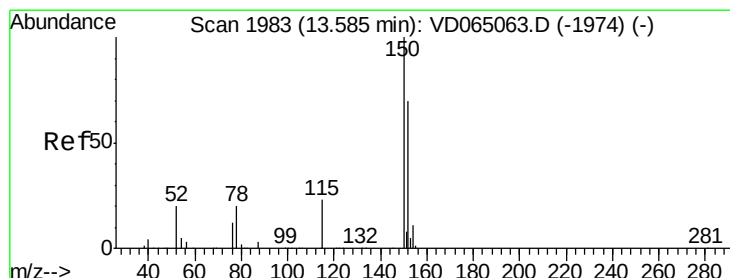
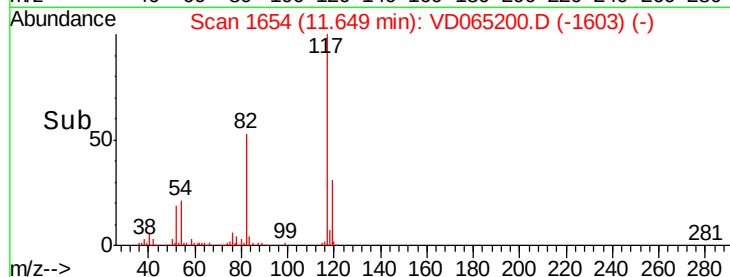
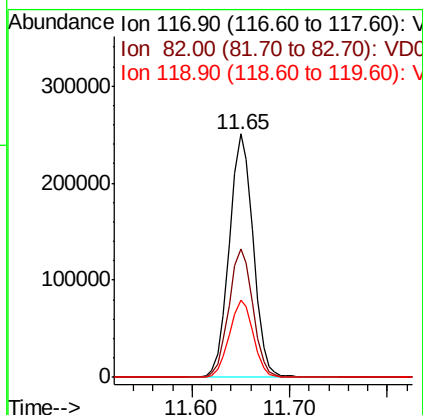
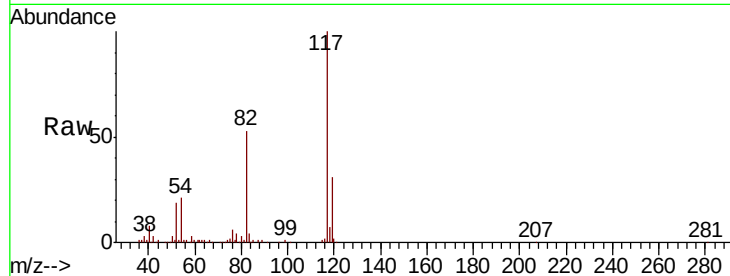




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065200.D
Acq: 17 Feb 2020 16:52

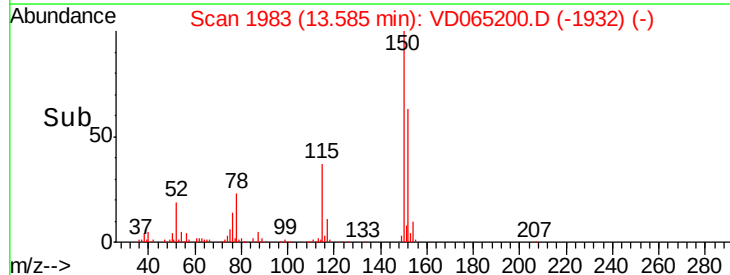
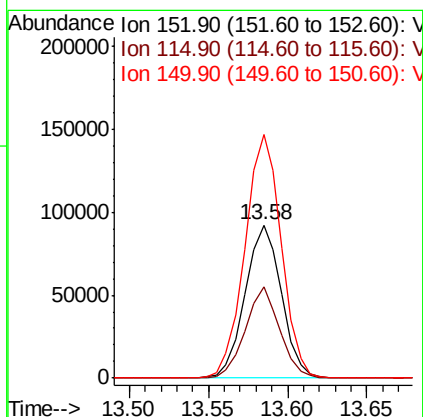
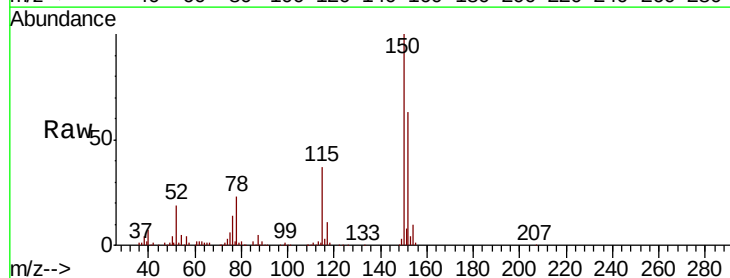
Instrument :
MSVOA_D
ClientSampleId :
43ST-A

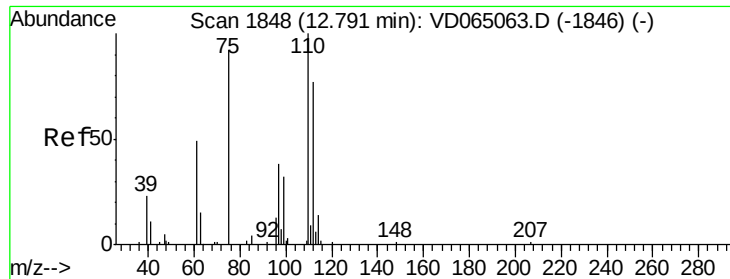
Tot Ion:117 Resp: 425691
Ion Ratio Lower Upper
117 100
82 52.7 43.1 64.7
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065200.D
Acq: 17 Feb 2020 16:52

Tgt Ion:152 Resp: 146765
Ion Ratio Lower Upper
152 100
115 56.3 27.5 82.4
150 158.7 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 73.555 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

Instrument :

MSVOA_D

ClientSampled :

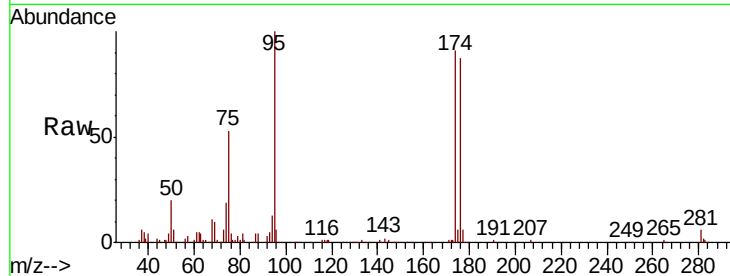
43ST-A

Tot Ion: 75 Resp: 81732

Ion Ratio Lower Upper

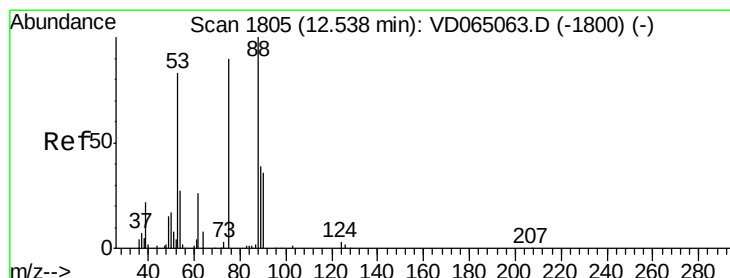
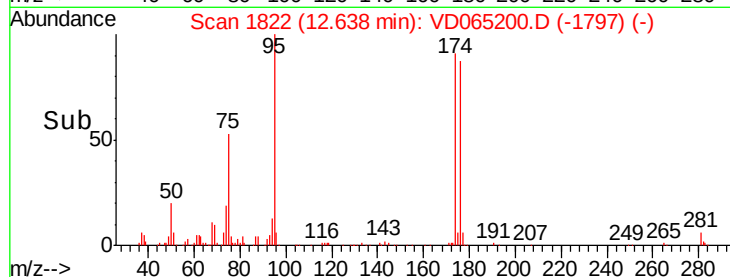
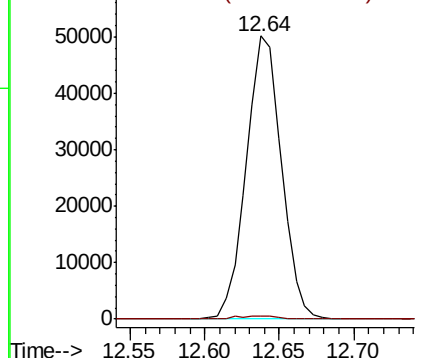
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 147.104 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065200.D

Acq: 17 Feb 2020 16:52

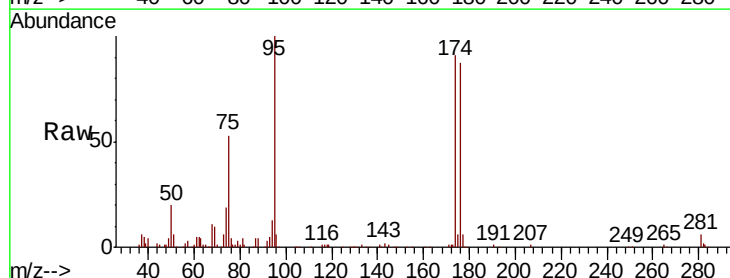
Tgt Ion: 75 Resp: 81732

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

