

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065208.D
 Acq On : 17 Feb 2020 20:35
 Operator : VA/SY
 Sample : L1545-01
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-BRE

Quant Time: Feb 18 03:19:00 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

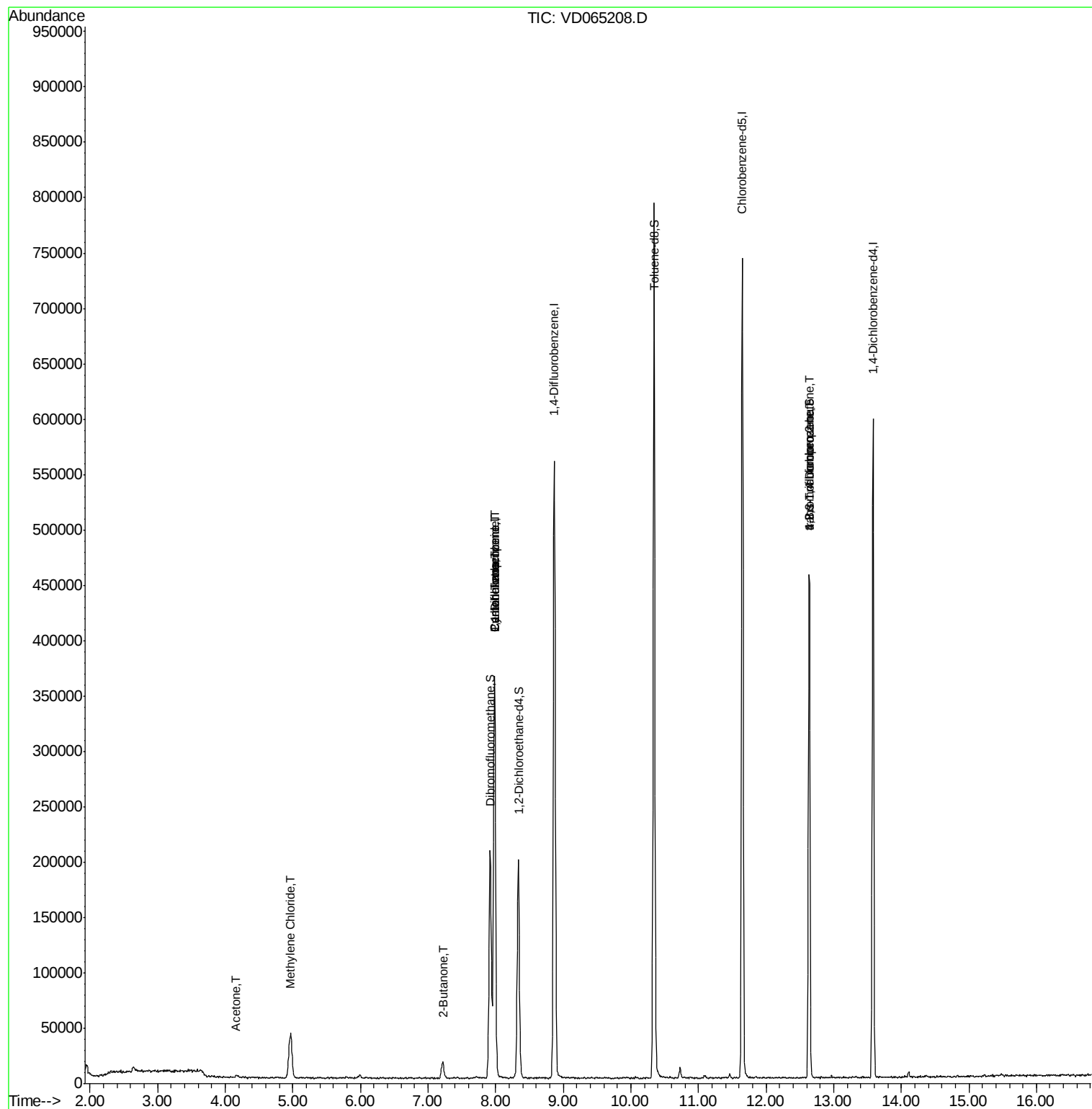
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	158878	66.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.60%	
35) Dibromofluoromethane	7.92	113	145910	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
50) Toluene-d8	10.34	98	525965	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.64	95	142961	42.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	3663	6.160	ug/l #	77
20) Methylene Chloride	4.96	84	32802	9.322	ug/l	98
25) 2-Butanone	7.21	43	798	1.125	ug/l #	50
31) Cyclohexane	7.98	56	5860	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	21409	4.766	ug/l #	49
38) Carbon Tetrachloride	7.98	117	26522	5.780	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.96	63	527	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	73926	61.023	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	73926	122.040	ug/l #	10

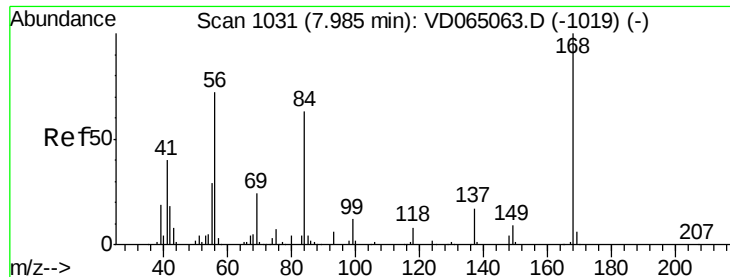
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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43ST-BRE

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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: VD065208.D

Acq: 17 Feb 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

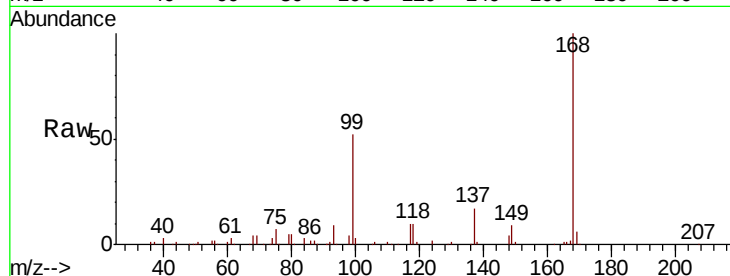
43ST-BRE

Tot Ion:168 Resp: 279853

Ion Ratio Lower Upper

168 100

99 52.1 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

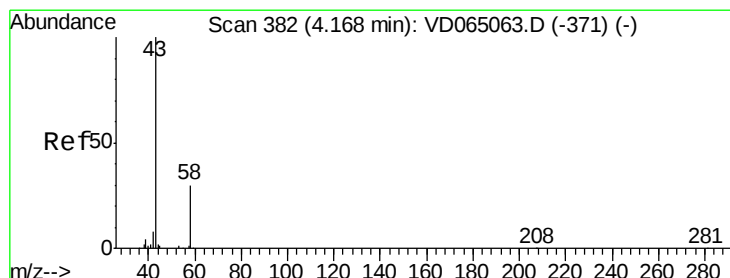
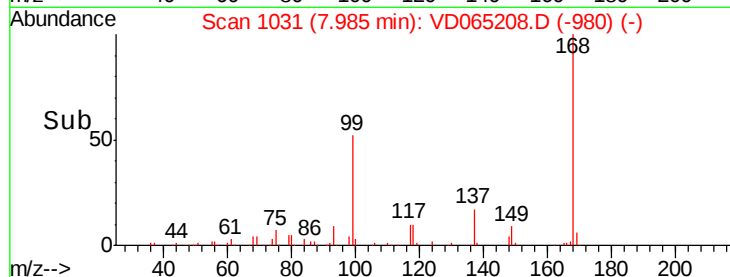
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 6.160 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065208.D

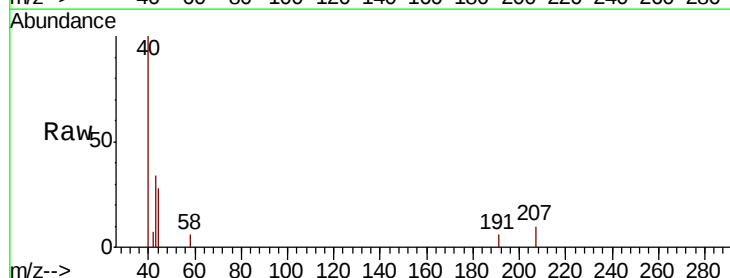
Acq: 17 Feb 2020 20:35

Tgt Ion: 43 Resp: 3663

Ion Ratio Lower Upper

43 100

58 17.2 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1500

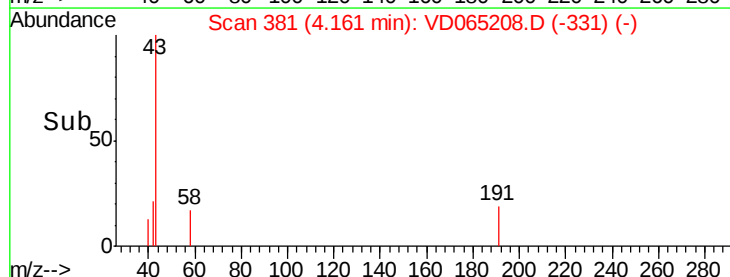
1000

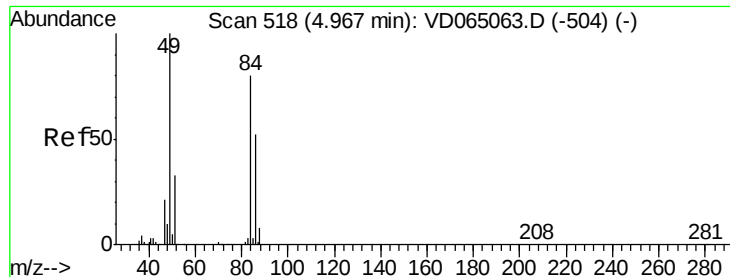
500

0

Time-->

4.10 4.15 4.20

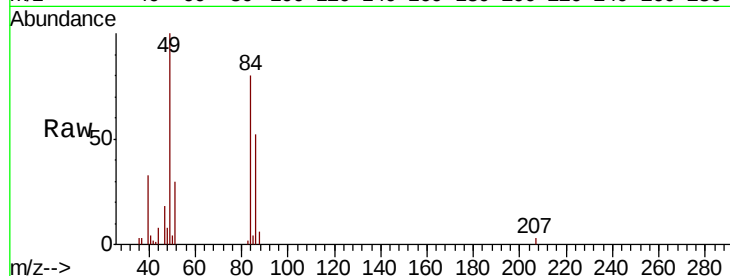




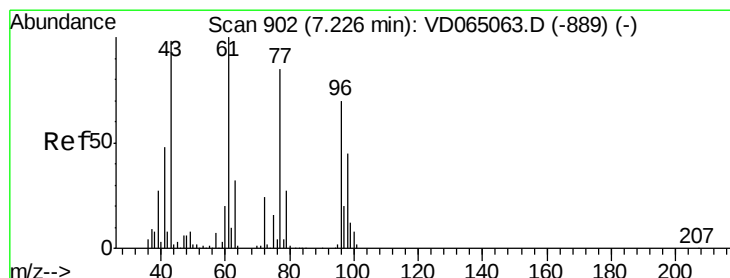
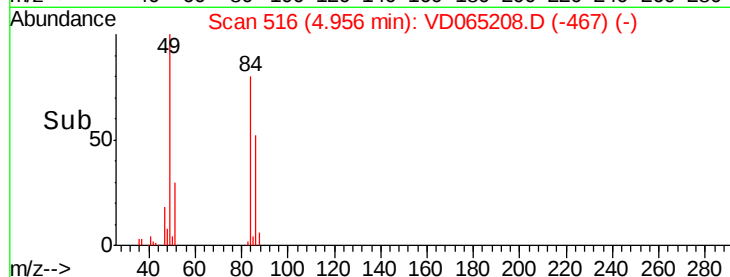
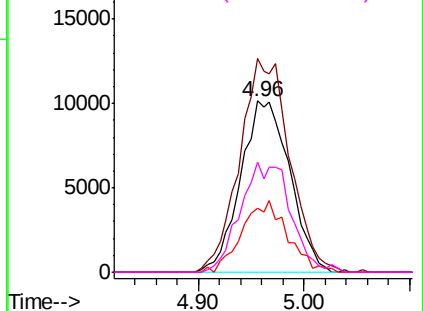
#20
Methvlene Chloride
Concen: 9.322 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
43ST-BRE

Tot Ion: 84 Resp: 32802
Ion Ratio Lower Upper
84 100
49 124.7 100.4 150.6
51 37.3 32.7 49.1
86 64.4 52.4 78.6

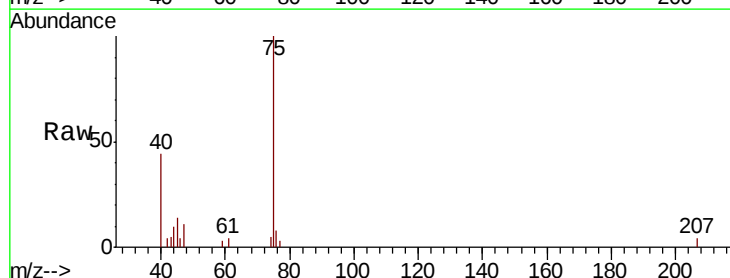


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

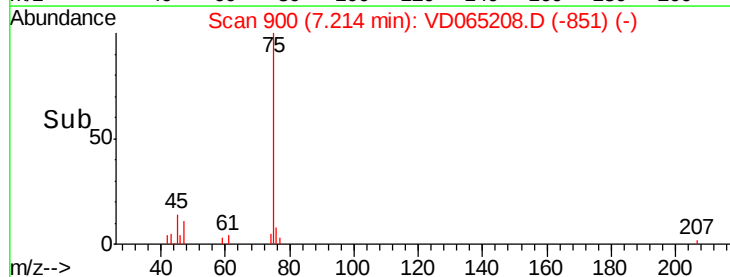
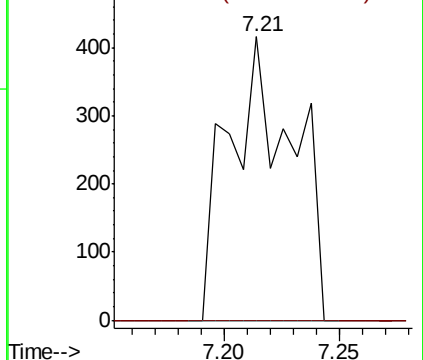


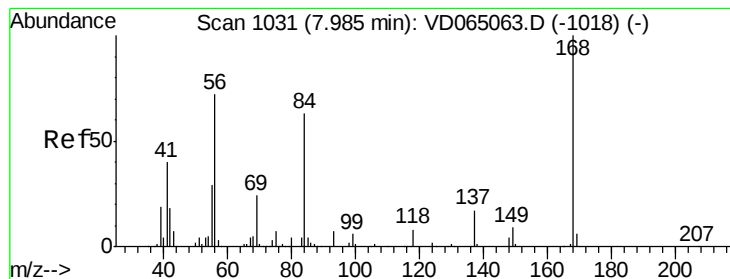
#25
2-Butanone
Concen: 1.125 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065208.D

Acq: 17 Feb 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

43ST-BRE

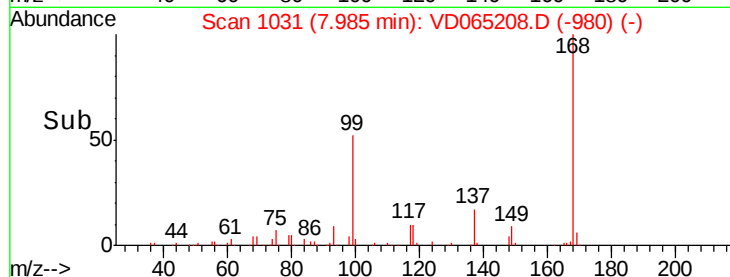
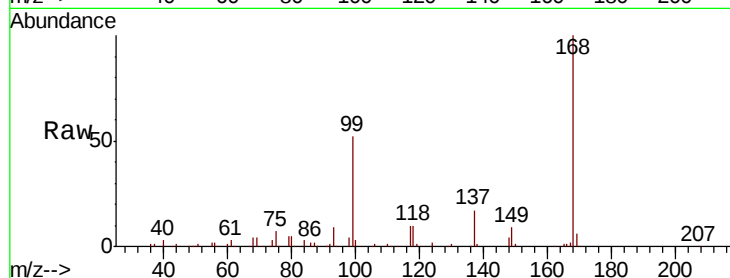
Tot Ion: 56 Resp: 5860

Ion Ratio Lower Upper

56 100

69 196.4 26.6 40.0#

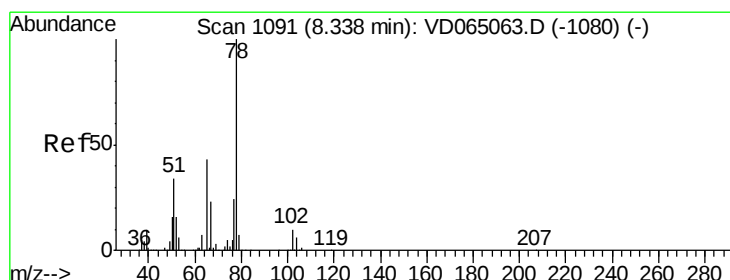
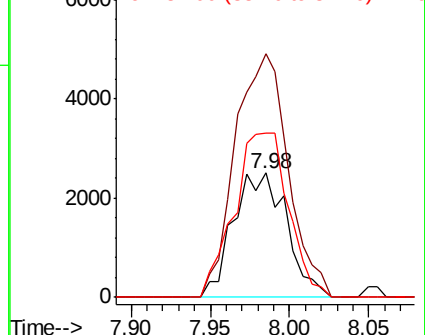
84 133.0 70.6 106.0#



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: 66.797 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065208.D

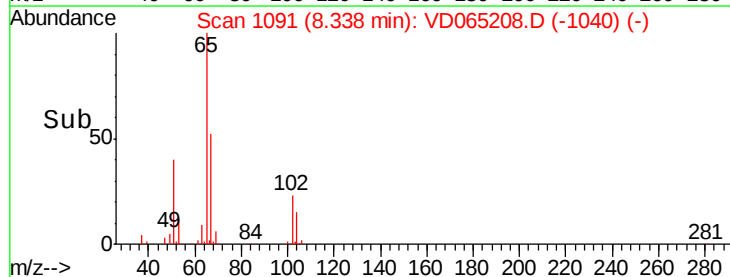
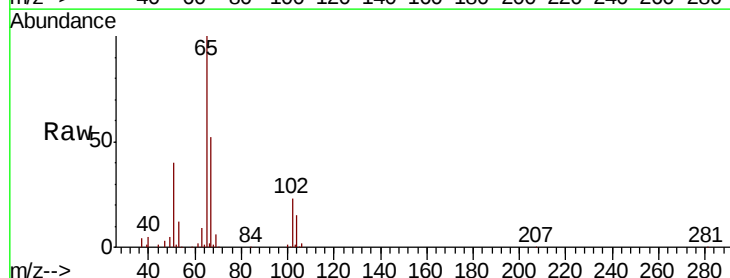
Acq: 17 Feb 2020 20:35

Tgt Ion: 65 Resp: 158878

Ion Ratio Lower Upper

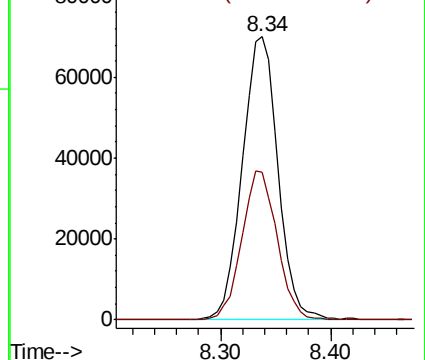
65 100

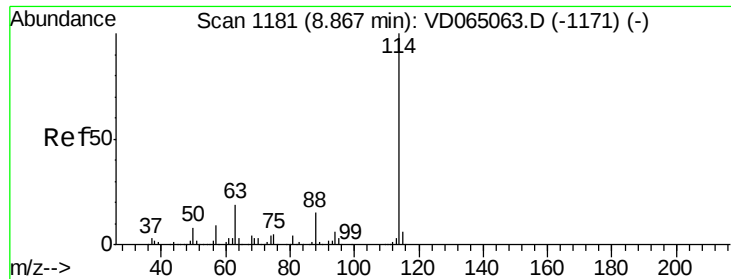
67 52.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

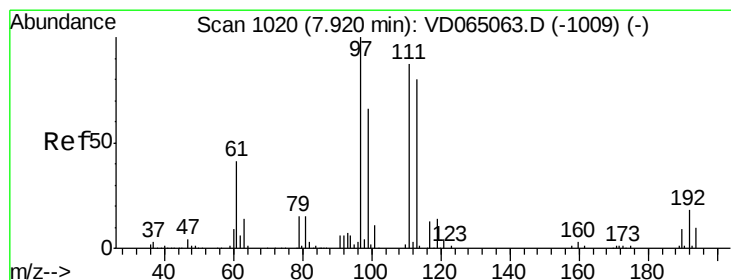
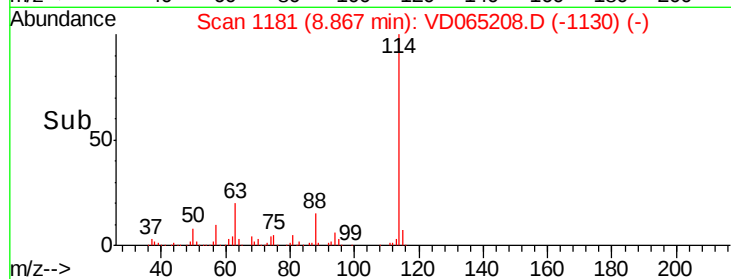
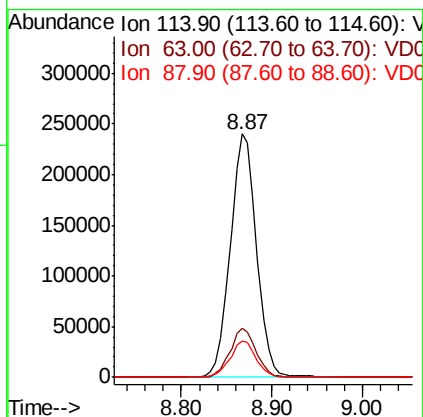
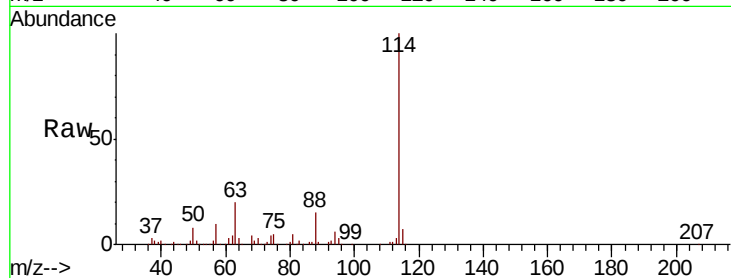




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065208.D
 Acq: 17 Feb 2020 20:35

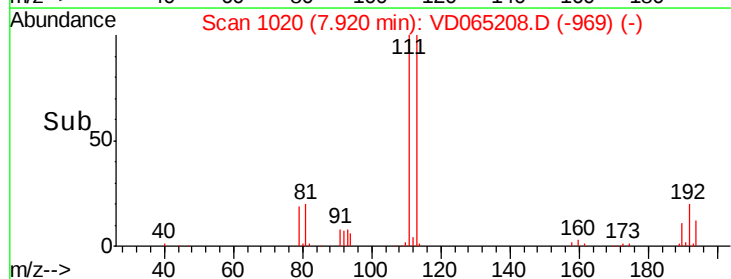
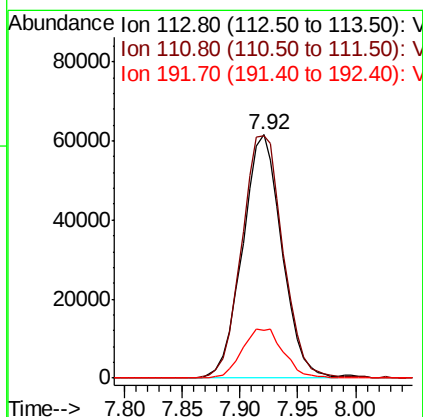
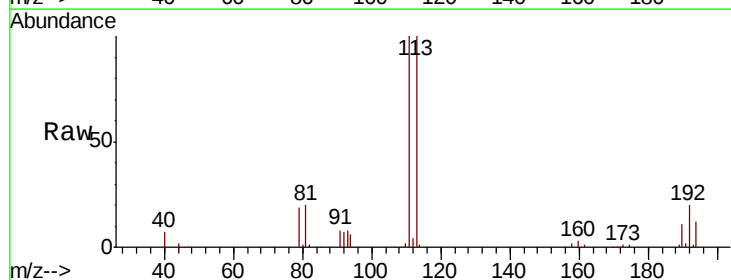
Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-BRE

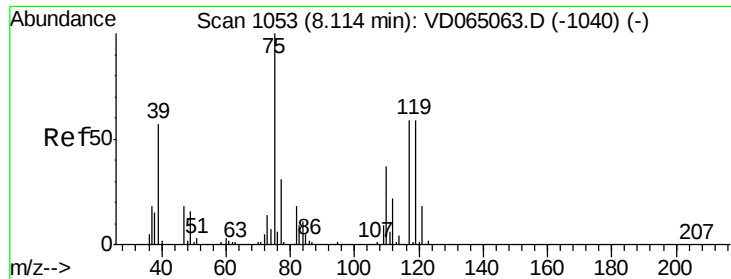
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.8
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 54.130 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065208.D
 Acq: 17 Feb 2020 20:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.1	124.7
192	21.2	18.1	27.1

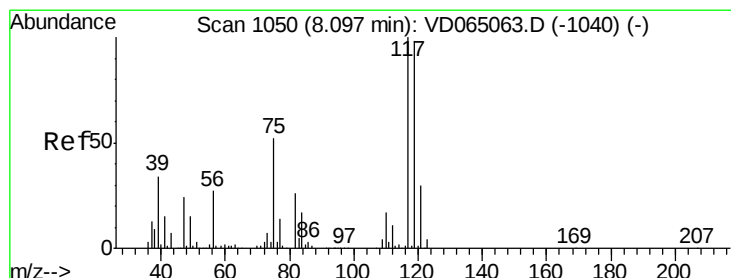
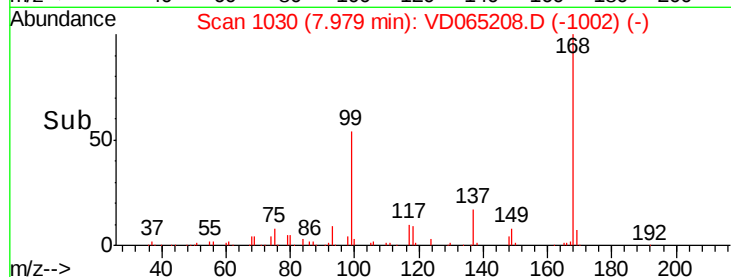
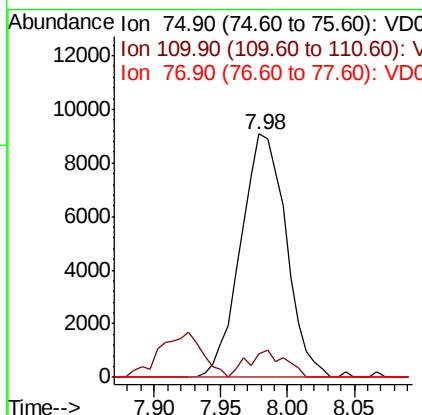
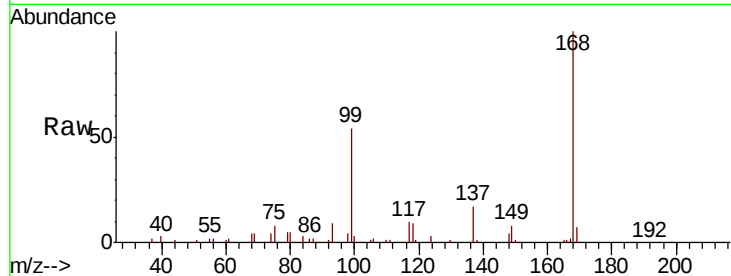




#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065208.D
 Acq: 17 Feb 2020 20:35

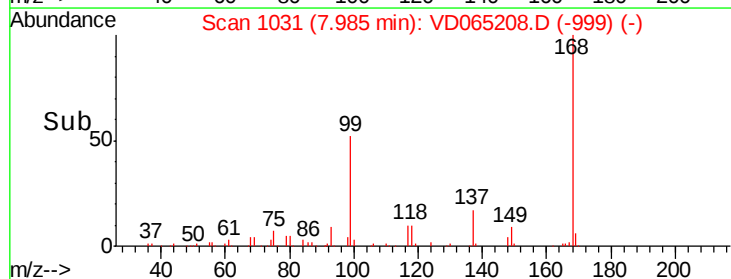
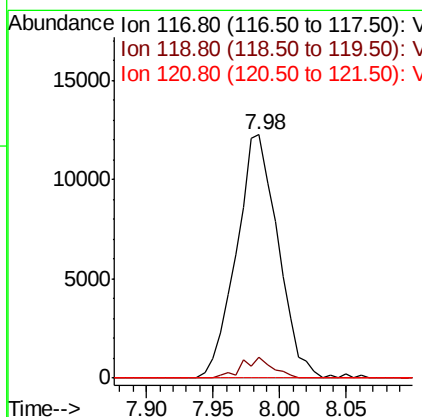
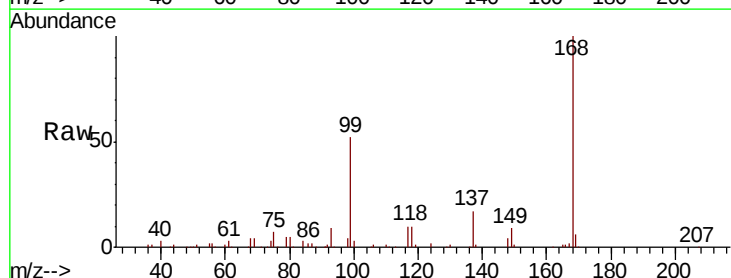
Instrument :
 MSVOA_D
 ClientSampleId :
 43ST-BRE

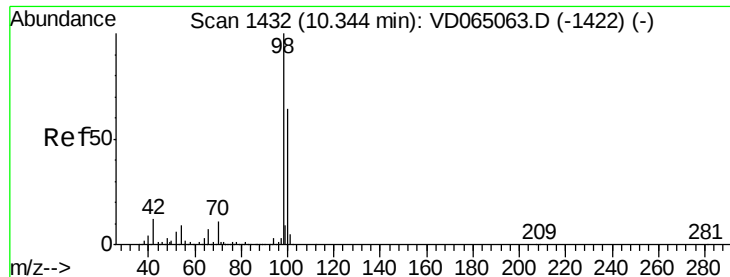
Tot Ion	75	Resp	21409
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.780 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065208.D
 Acq: 17 Feb 2020 20:35

Tgt Ion	117	Resp	26522
Ion Ratio	Lower	Upper	
117	100		
119	8.4	78.5	117.7#
121	0.0	23.8	35.6#

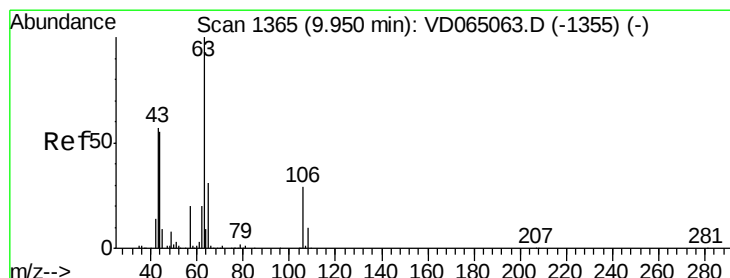
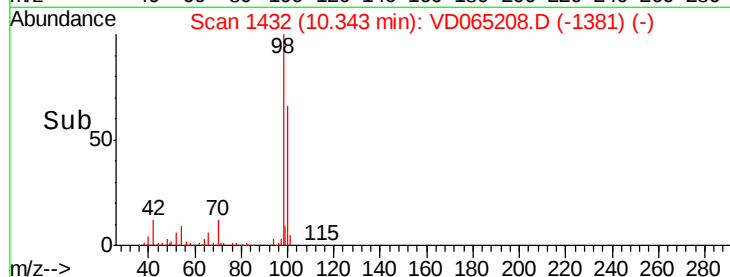
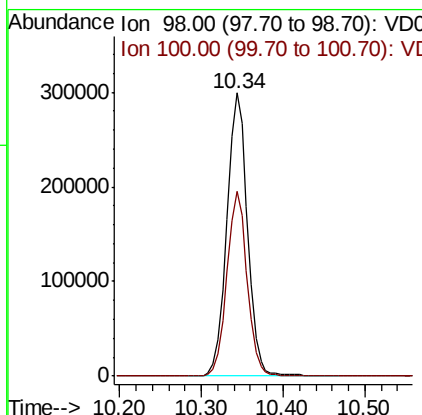
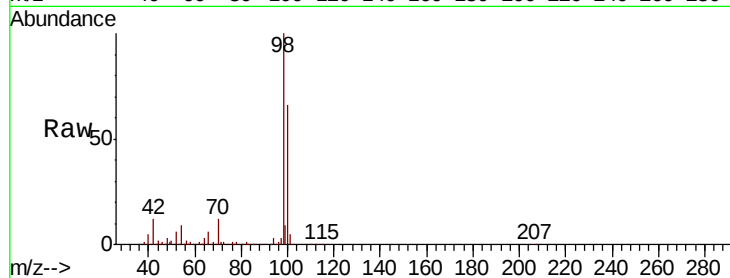




#50
Toluene-d8
Concen: 49.022 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

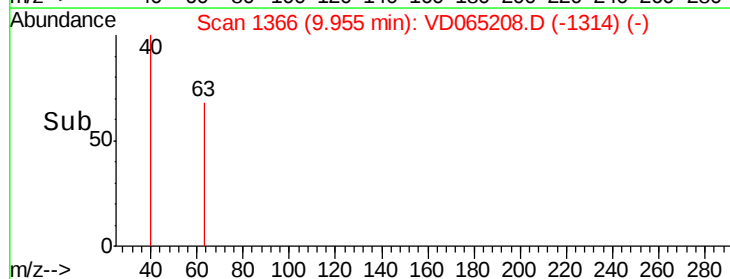
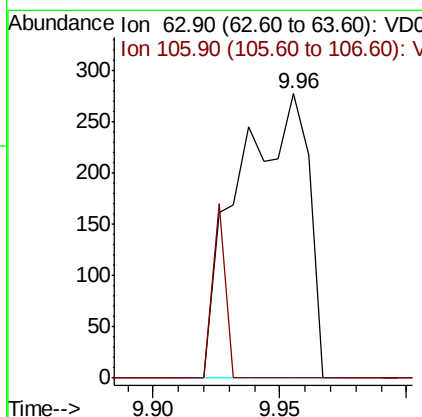
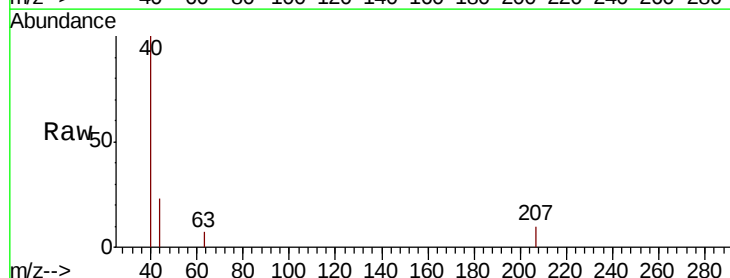
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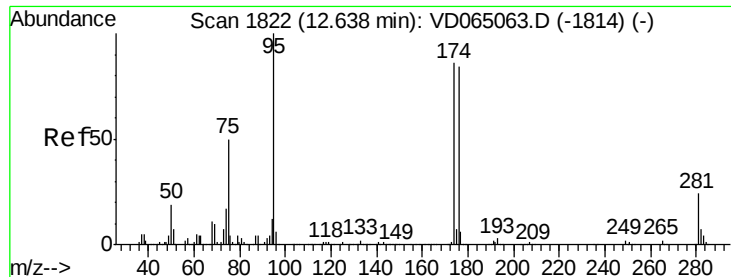
Tot Ion: 98 Resp: 525965
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

Tgt Ion: 63 Resp: 527
Ion Ratio Lower Upper
63 100
106 0.0 23.3 34.9#

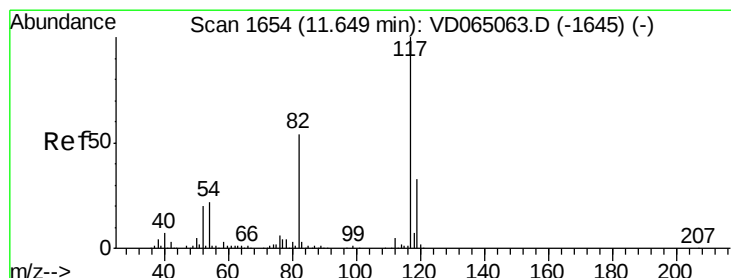
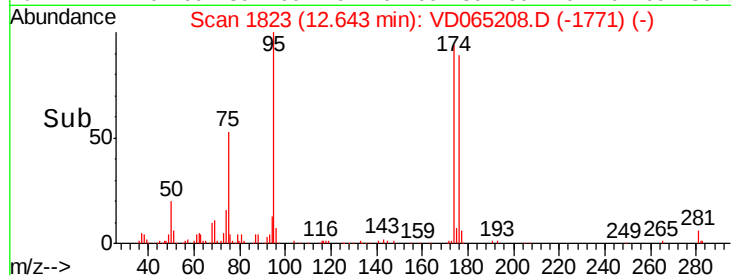
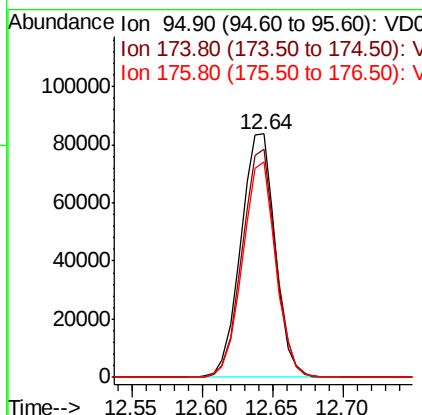
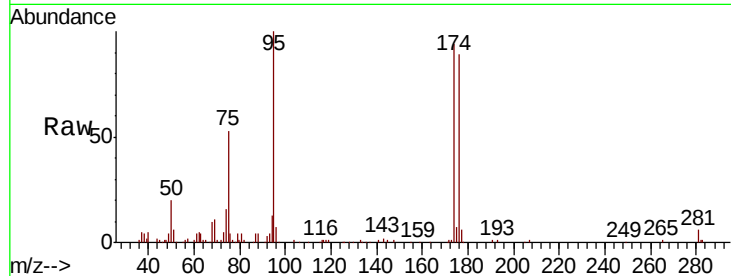




#62
4-Bromofluorobenzene
Concen: 42.052 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

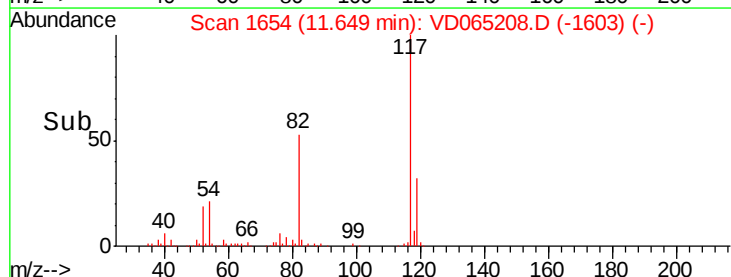
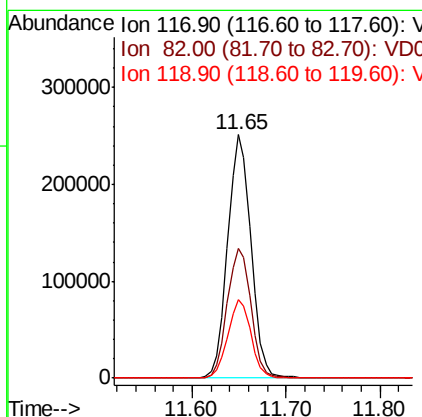
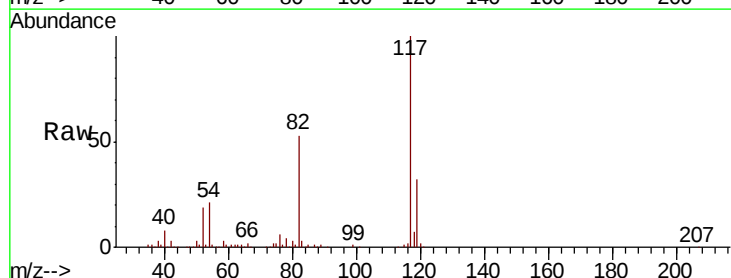
Instrument :
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43ST-BRE

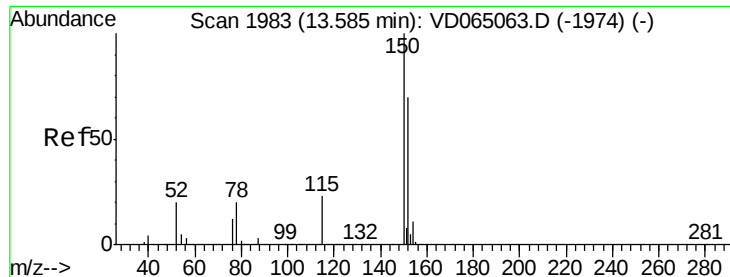
Tot Ion: 95 Resp: 142961
Ion Ratio Lower Upper
95 100
174 91.7 0.0 180.0
176 85.6 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065208.D
Acq: 17 Feb 2020 20:35

Tgt Ion: 117 Resp: 432042
Ion Ratio Lower Upper
117 100
82 53.1 43.1 64.7
119 32.3 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: VD065208.D

Acq: 17 Feb 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

43ST-BRE

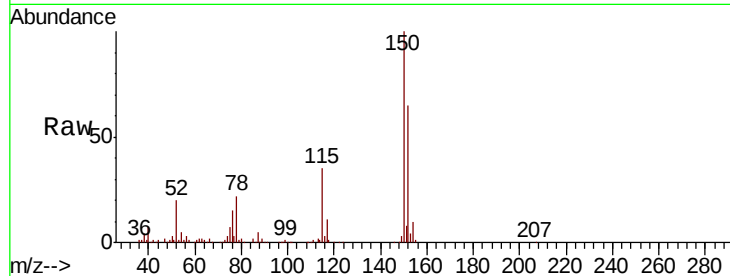
Tot Ion:152 Resp: 160011

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.4

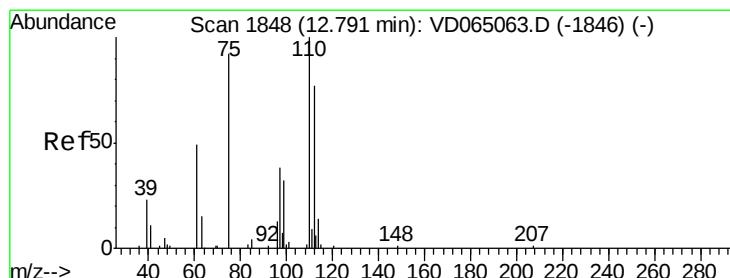
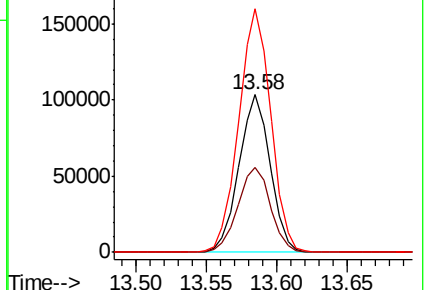
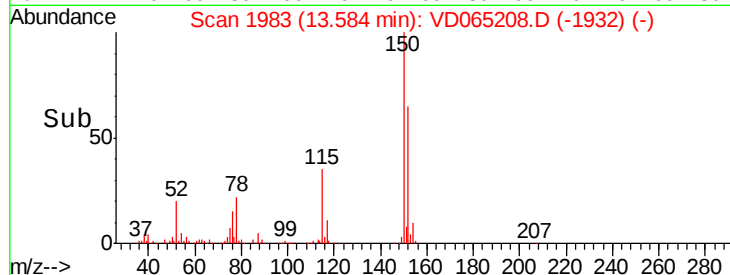
150 158.4 0.0 343.2



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: 61.023 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065208.D

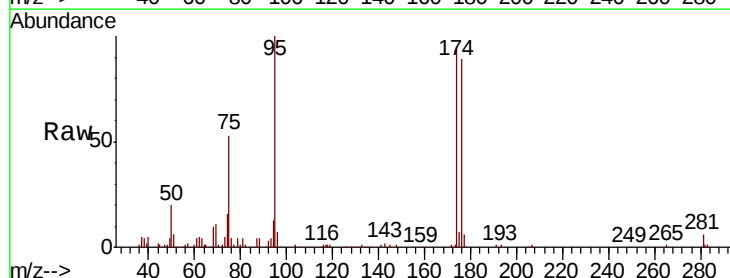
Acq: 17 Feb 2020 20:35

Tgt Ion: 75 Resp: 73926

Ion Ratio Lower Upper

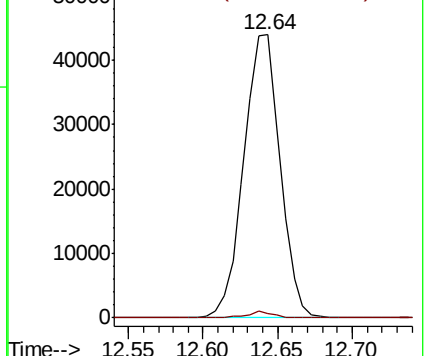
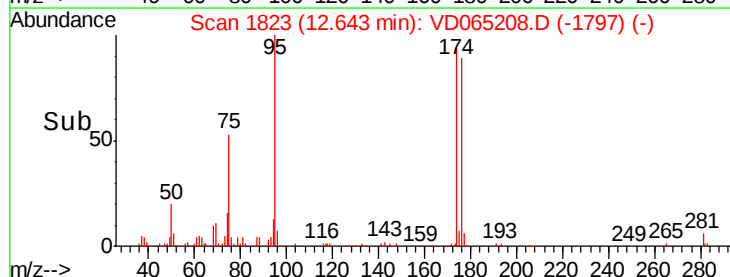
75 100

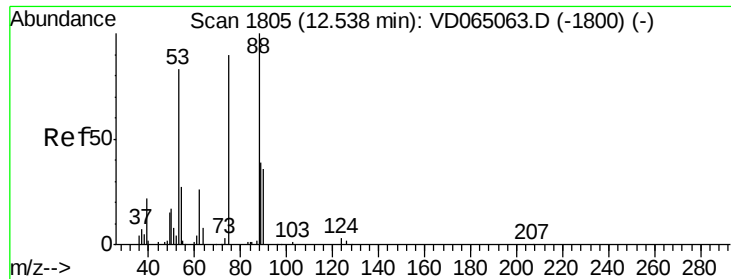
77 1.6 0.0 0.0#



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: 122.040 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065208.D

Acq: 17 Feb 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

43ST-BRE

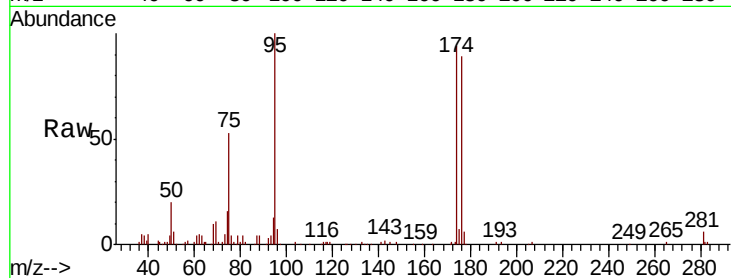
Tot Ion: 75 Resp: 73926

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

