

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065292.D
 Acq On : 24 Feb 2020 14:03
 Operator : VA/SY
 Sample : L1635-11
 Misc : 5.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:22:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

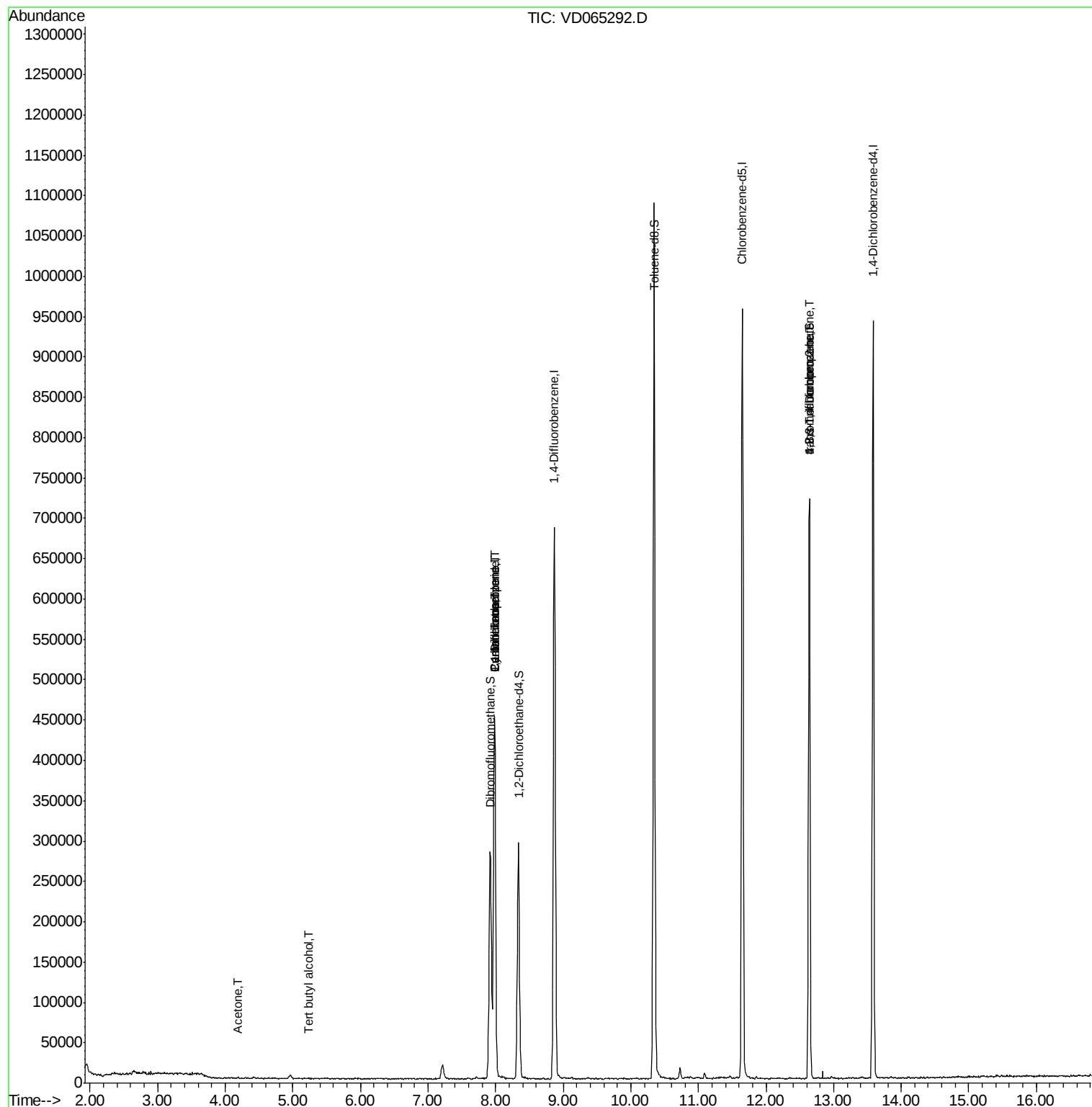
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	600086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260123	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	227622	71.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	142.54%	
35) Dibromofluoromethane	7.92	113	207987	56.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.68%	
50) Toluene-d8	10.34	98	732744	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	226725	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	278	1.457	ug/l #	72
13) Acrolein	3.67	56	91	Below Cal		94
16) Acetone	4.18	43	1537	1.969	ug/l #	42
20) Methylene Chloride	4.97	84	1440	Below Cal	#	80
31) Cyclohexane	7.98	56	7204	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	25925	4.440	ug/l #	48
38) Carbon Tetrachloride	7.98	117	33913	5.706	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	113589	51.323	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113589	110.816	ug/l #	11

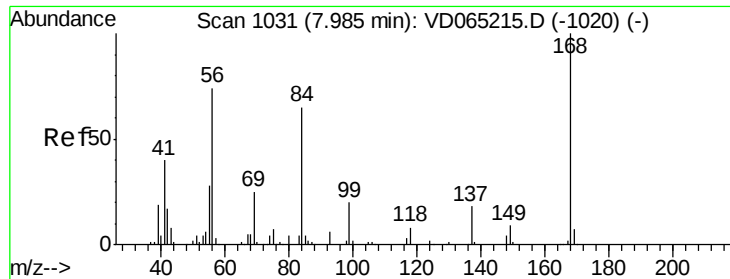
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065292.D

Acq: 24 Feb 2020 14:03

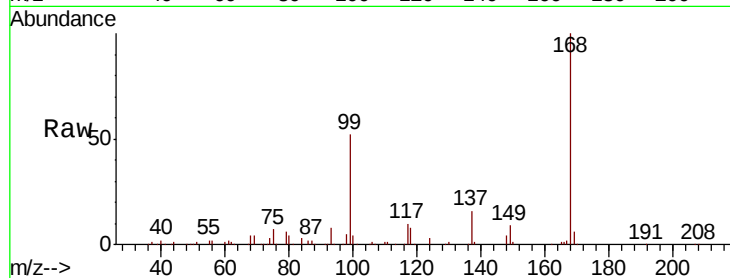
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 355025

Ion Ratio Lower Upper

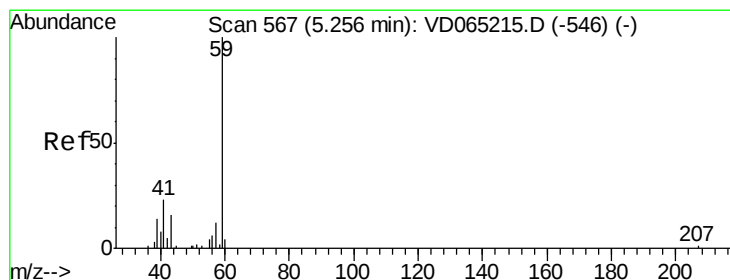
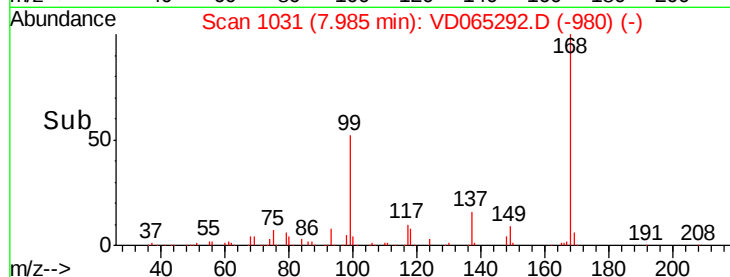
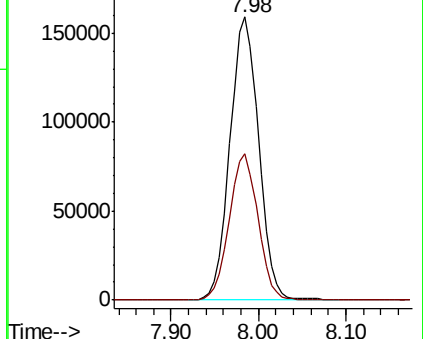
168 100

99 51.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.457 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.02 min

Lab File: VD065292.D

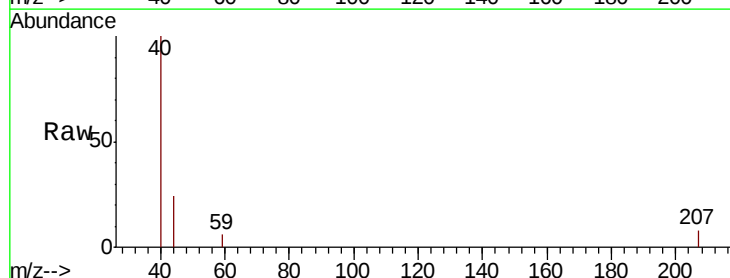
Acq: 24 Feb 2020 14:03

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

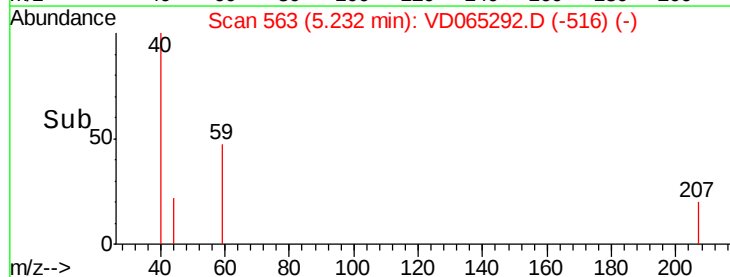
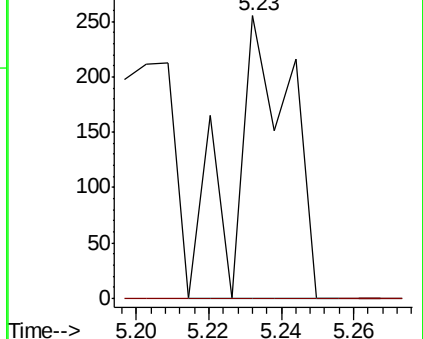
59 100

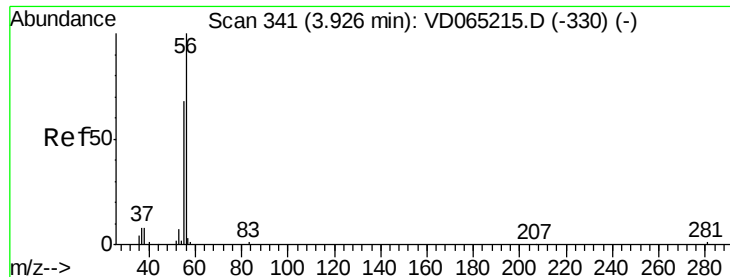
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065292.D

Acq: 24 Feb 2020 14:03

Instrument :

MSVOA_D

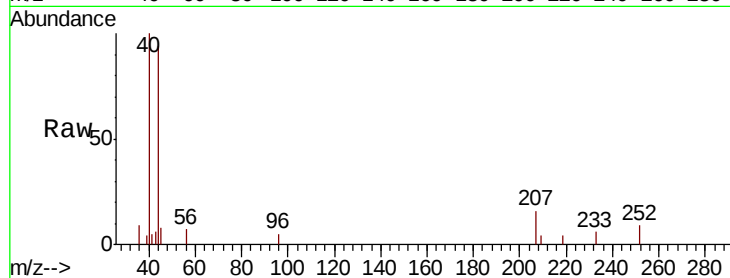
ClientSampleId :

Tot Ion: 56 Resp: 91

Ion Ratio Lower Upper

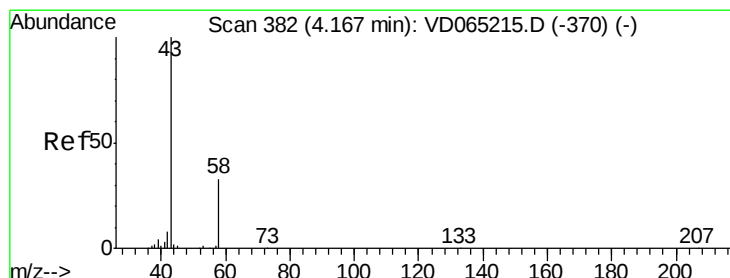
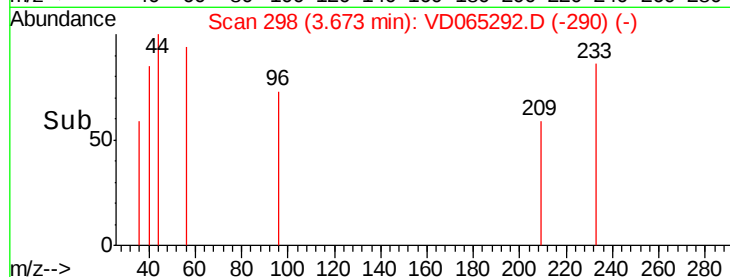
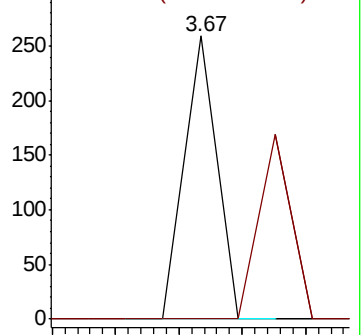
56 100

55 65.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.969 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065292.D

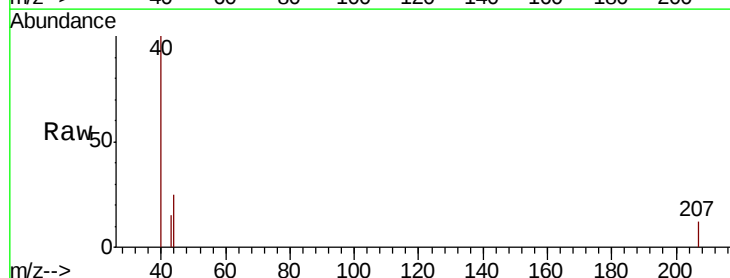
Acq: 24 Feb 2020 14:03

Tgt Ion: 43 Resp: 1537

Ion Ratio Lower Upper

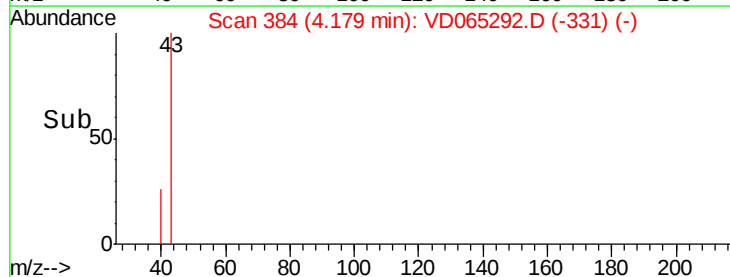
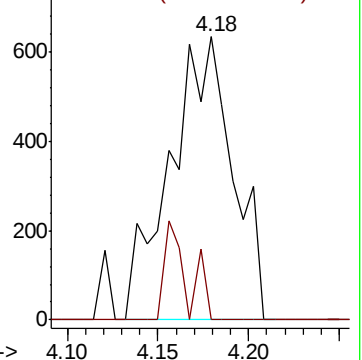
43 100

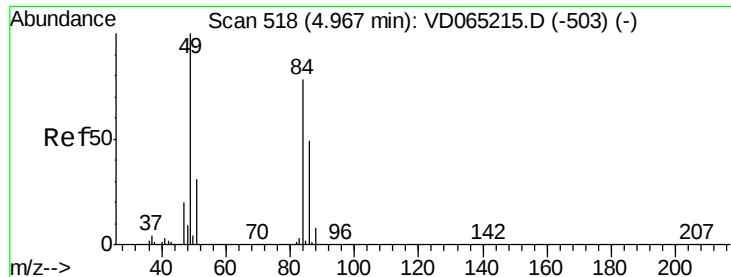
58 0.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

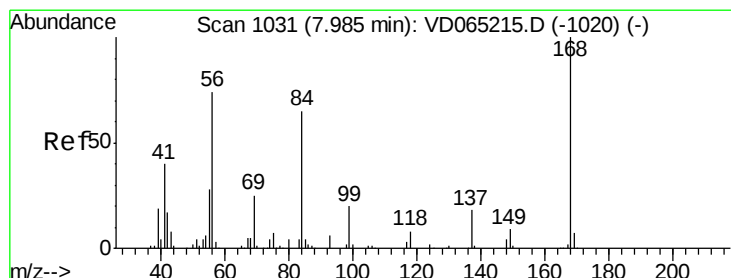
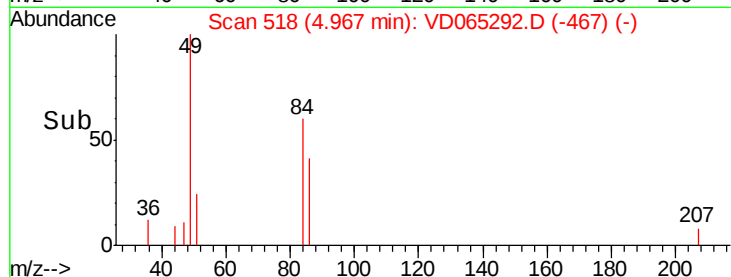
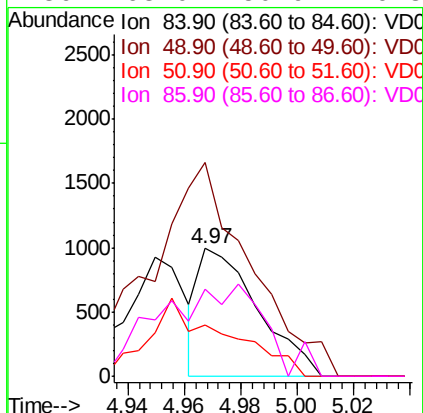
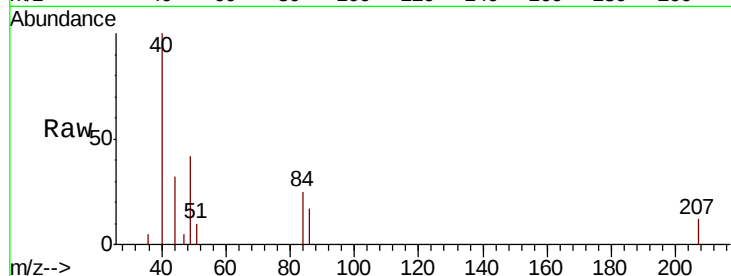




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

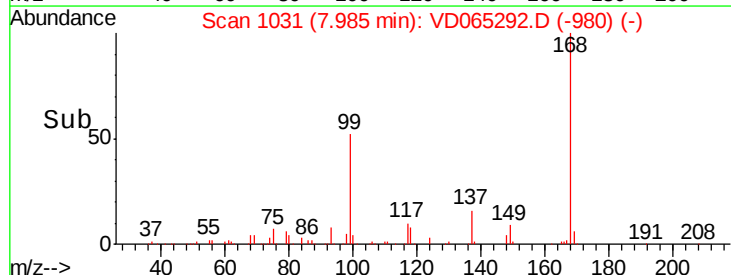
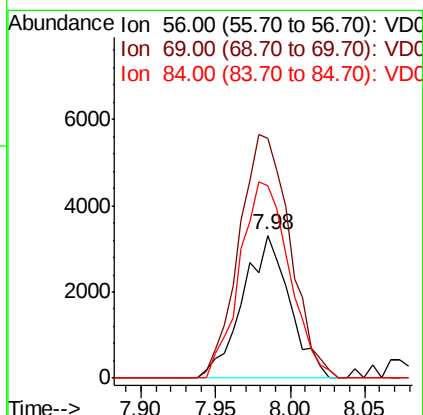
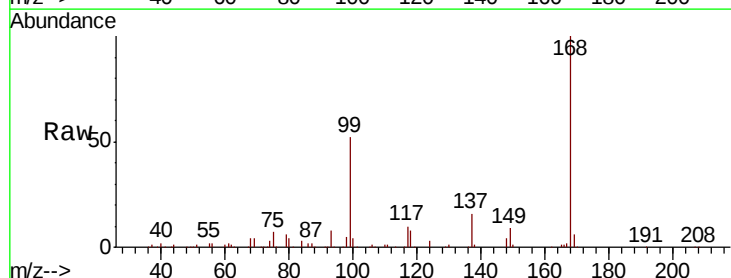
Instrument :
MSVOA_D
ClientSampled :

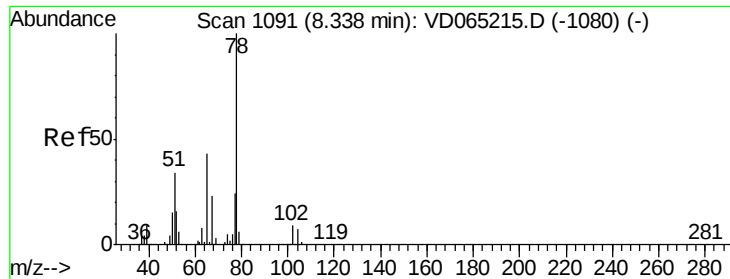
Tot Ion	84	Resp	1440
Ion Ratio	Lower	Upper	
84	100		
49	167.4	103.1	154.7#
51	40.5	31.7	47.5
86	68.0	50.9	76.3



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

Tgt Ion	56	Resp	7204
Ion Ratio	Lower	Upper	
56	100		
69	168.4	27.4	41.0#
84	134.7	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 71.269 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065292.D

Acq: 24 Feb 2020 14:03

Instrument :

MSVOA_D

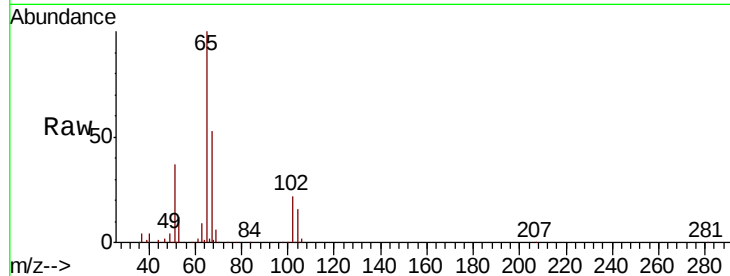
ClientSampleId :

Tot Ion: 65 Resp: 227622

Ion Ratio Lower Upper

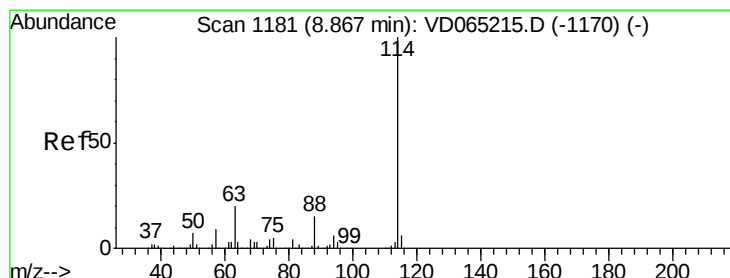
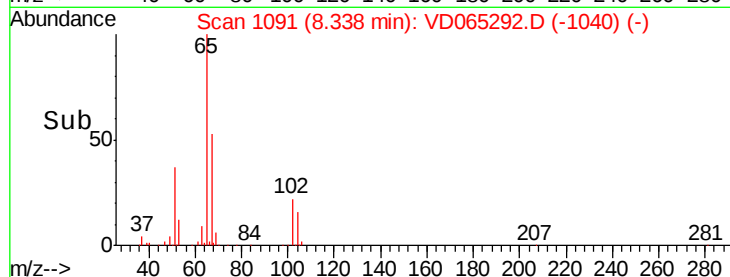
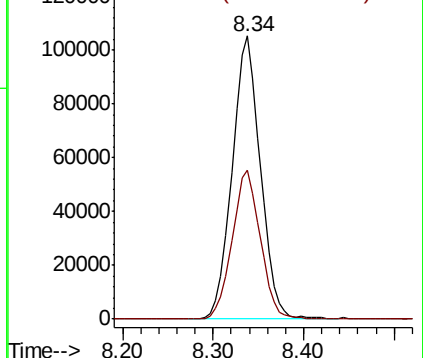
65 100

67 52.5 0.0 106.8



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: VD065292.D

Acq: 24 Feb 2020 14:03

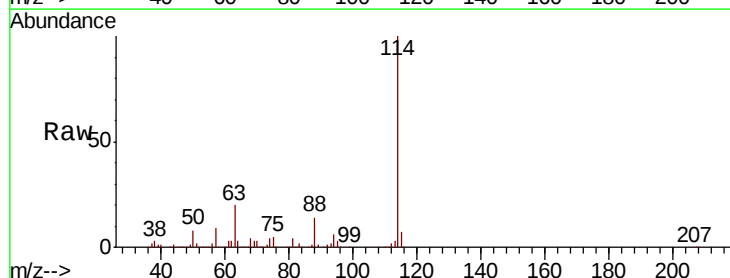
Tgt Ion: 114 Resp: 600086

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.4

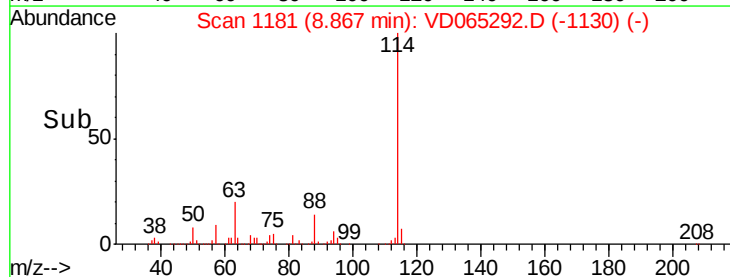
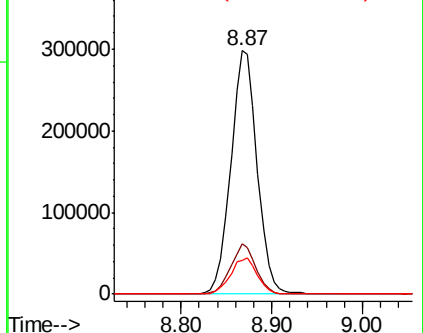
88 14.0 0.0 30.4

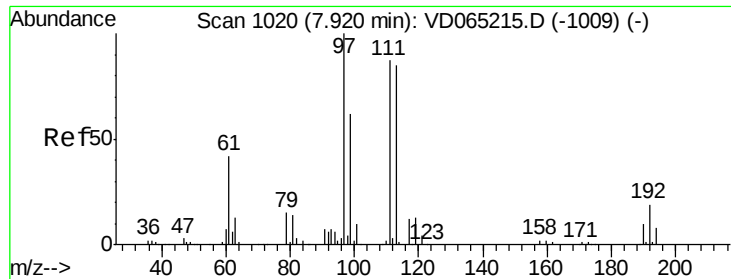


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

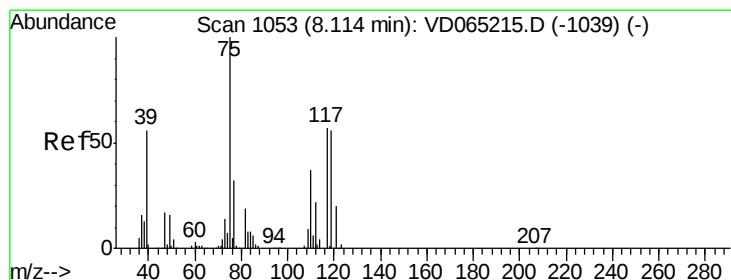
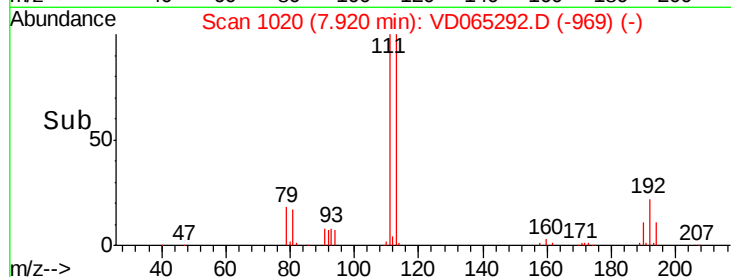
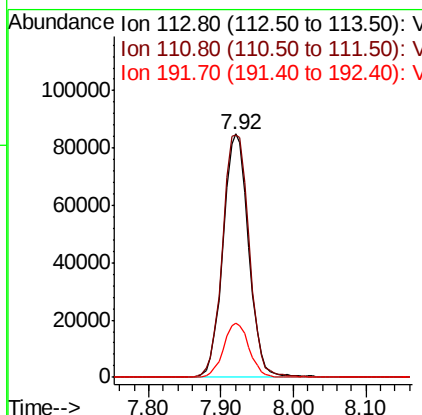
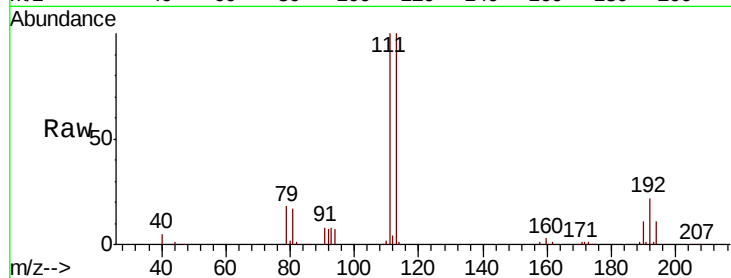




#35
 Dibromofluoromethane
 Concen: 56.843 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065292.D
 Acq: 24 Feb 2020 14:03

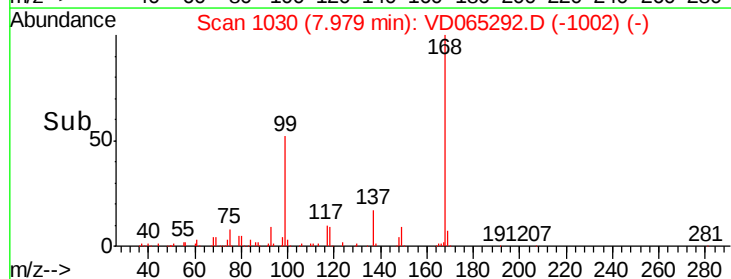
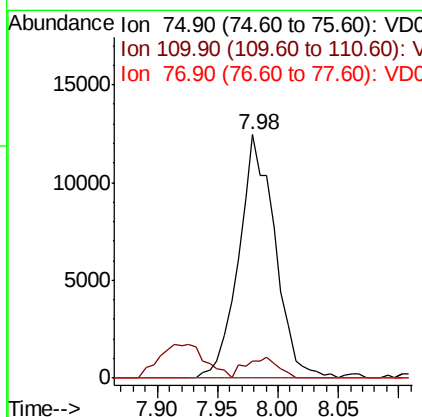
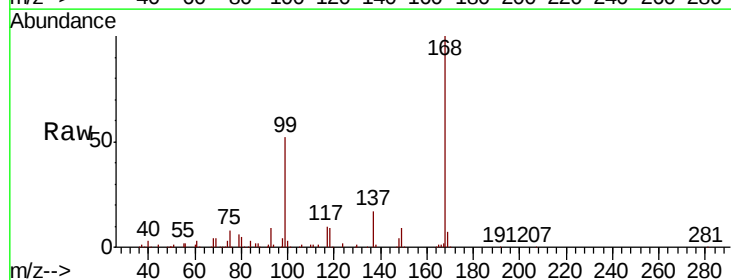
Instrument :
 MSVOA_D
 ClientSampled :

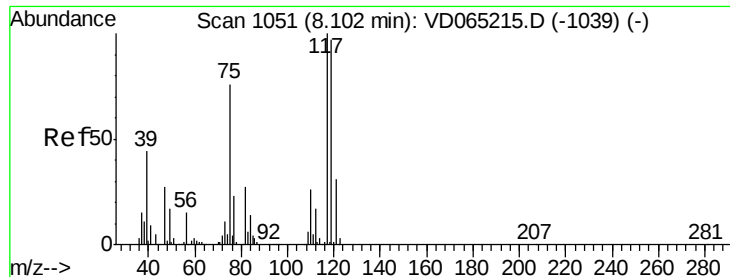
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	22.3	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.440 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065292.D
 Acq: 24 Feb 2020 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.9	53.7#
77	0.0	25.1	37.7#

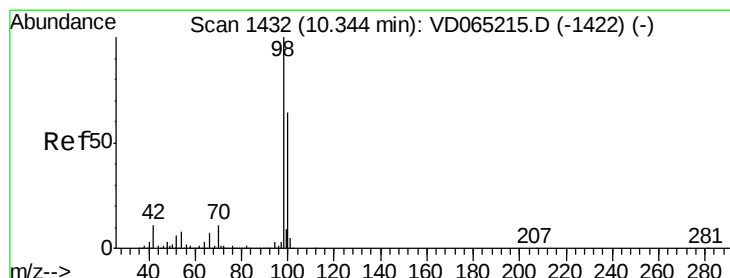
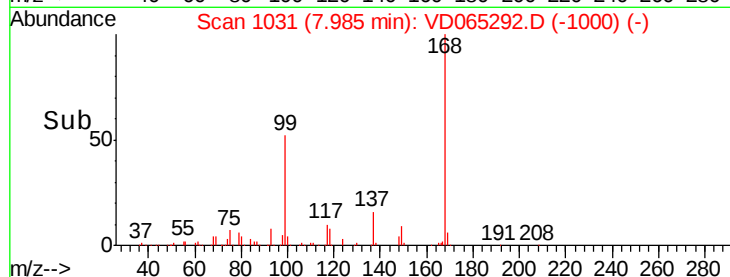
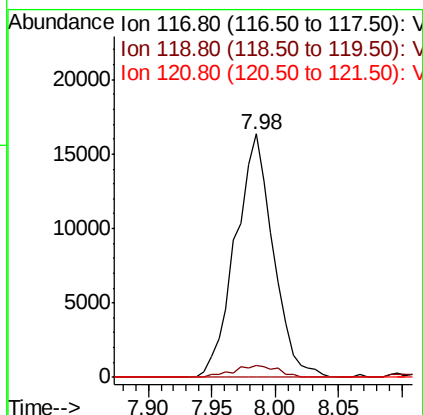
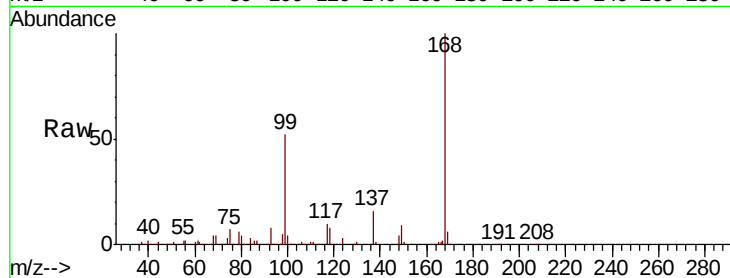




#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

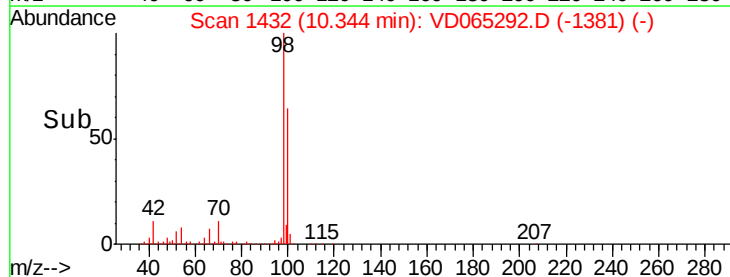
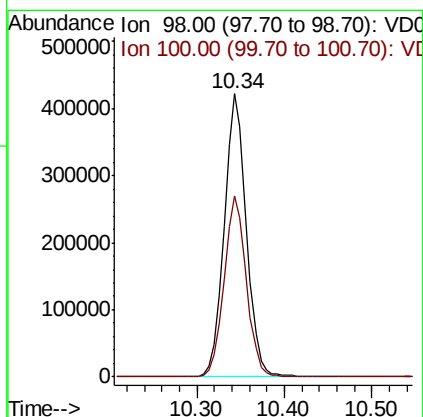
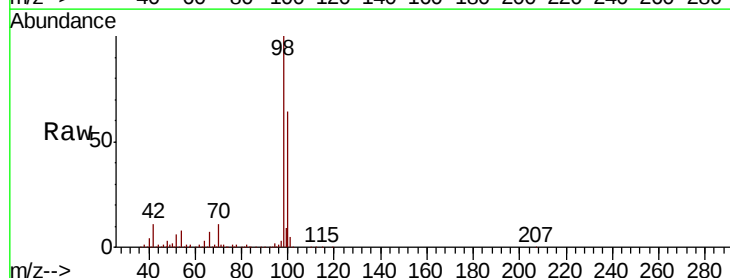
Instrument :
MSVOA_D
ClientSampled :

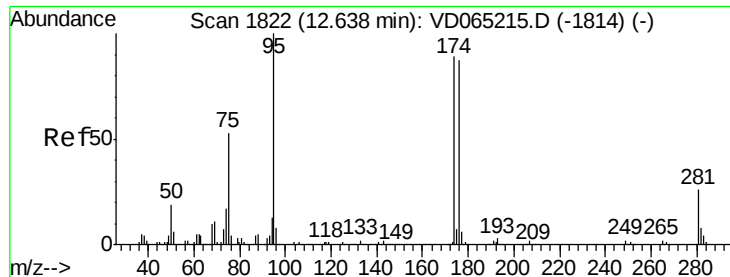
Tot Ion:117 Resp: 33913
Ion Ratio Lower Upper
117 100
119 4.8 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.384 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

Tgt Ion: 98 Resp: 732744
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

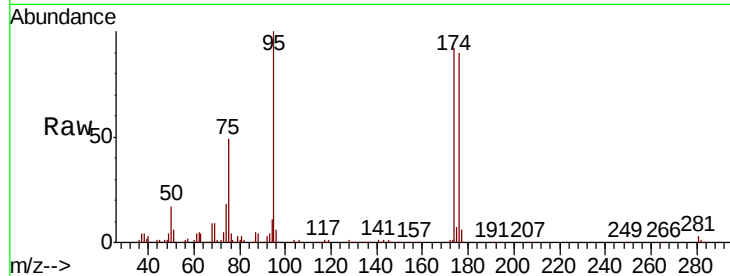




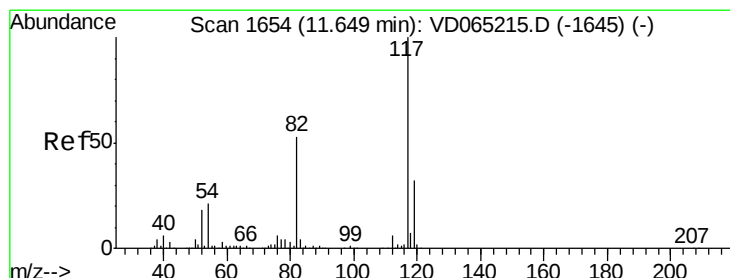
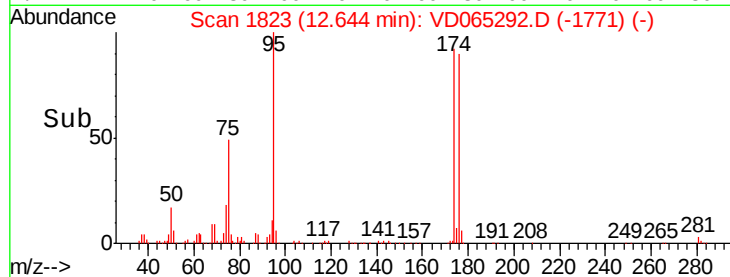
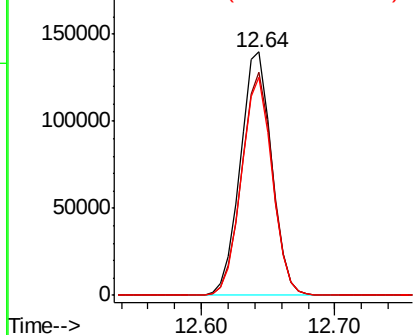
#62
4-Bromofluorobenzene
Concen: 51.165 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 226725
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.0
176 87.9 0.0 174.4

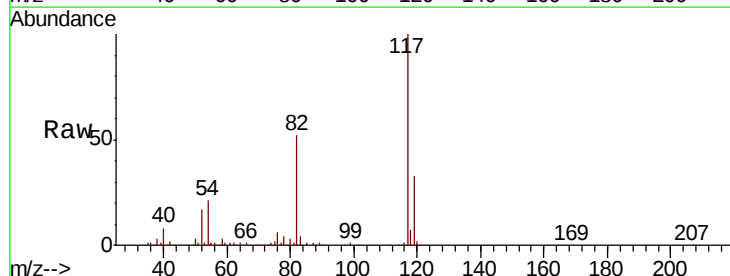


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

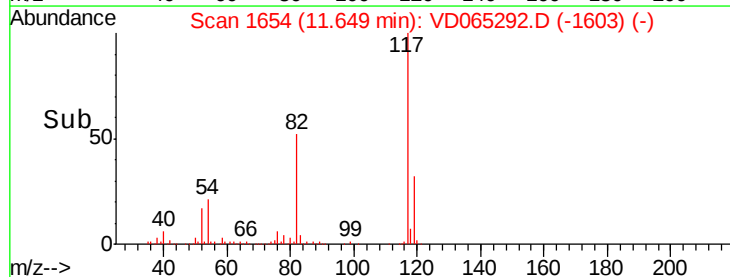
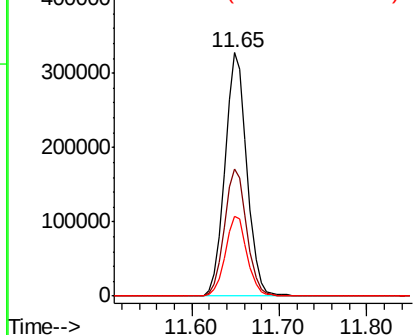


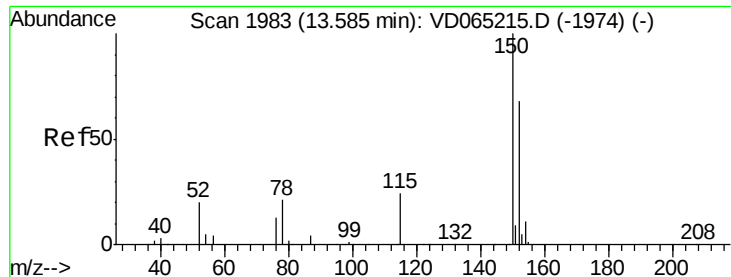
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065292.D
Acq: 24 Feb 2020 14:03

Tgt Ion: 117 Resp: 563597
Ion Ratio Lower Upper
117 100
82 52.3 42.7 64.1
119 32.5 25.5 38.3



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: VD065292.D

Acq: 24 Feb 2020 14:03

Instrument :

MSVOA_D

ClientSampleId :

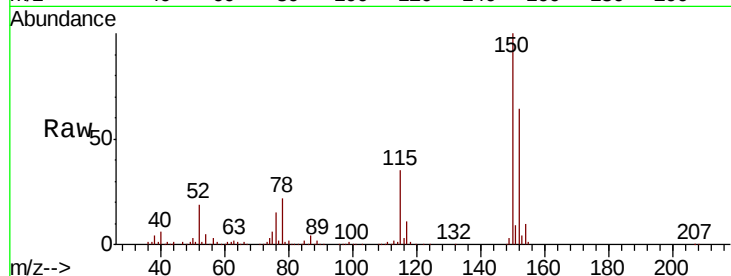
Tot Ion:152 Resp: 260123

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

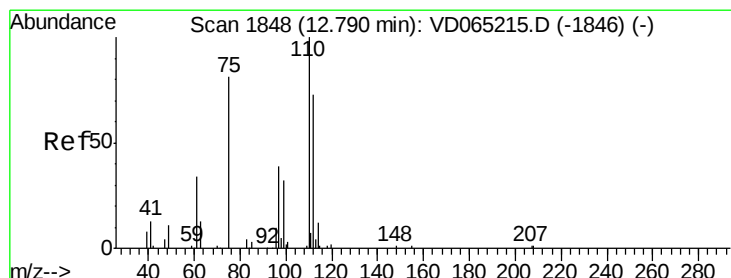
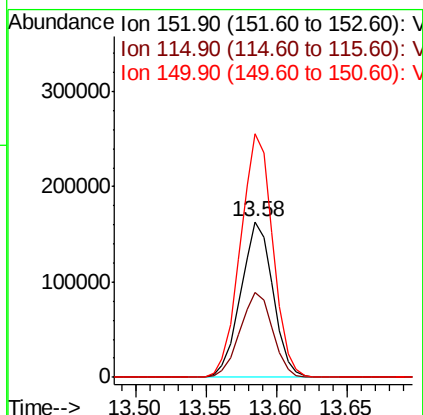
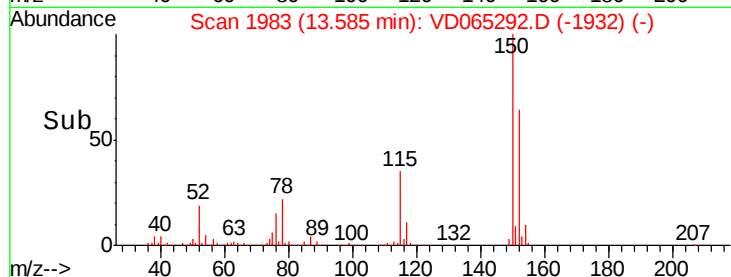
150 157.4 0.0 347.4



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: 51.323 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065292.D

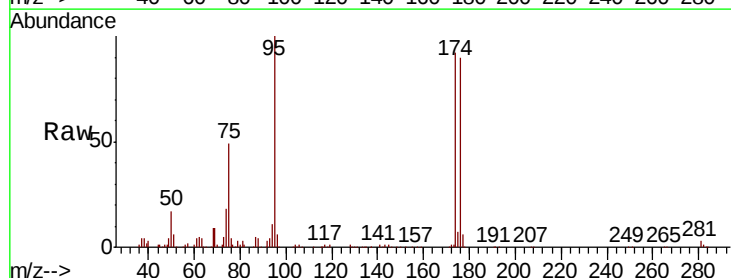
Acq: 24 Feb 2020 14:03

Tgt Ion: 75 Resp: 113589

Ion Ratio Lower Upper

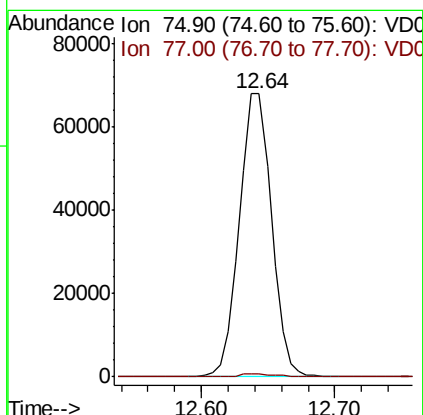
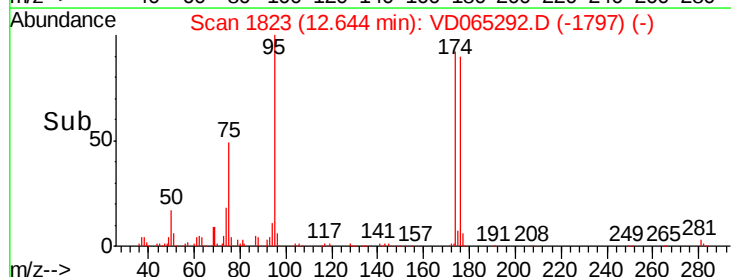
75 100

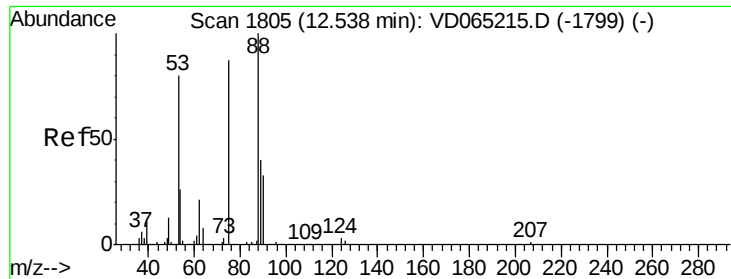
77 1.1 0.0 0.0#



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: 110.816 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065292.D

Acq: 24 Feb 2020 14:03

Instrument :

MSVOA_D

ClientSampleId :

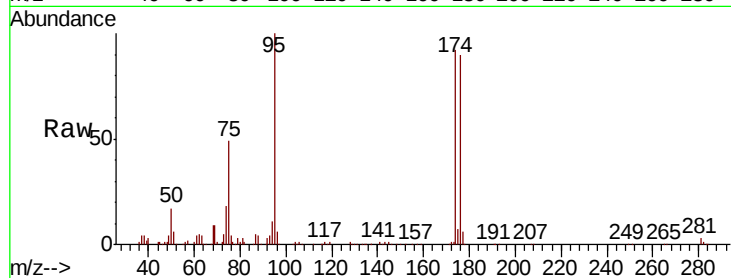
Tot Ion: 75 Resp: 113589

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.1 37.2 55.8#



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

