

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065339.D
 Acq On : 27 Feb 2020 10:46
 Operator : VA/SY
 Sample : VD0227SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:33:51 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

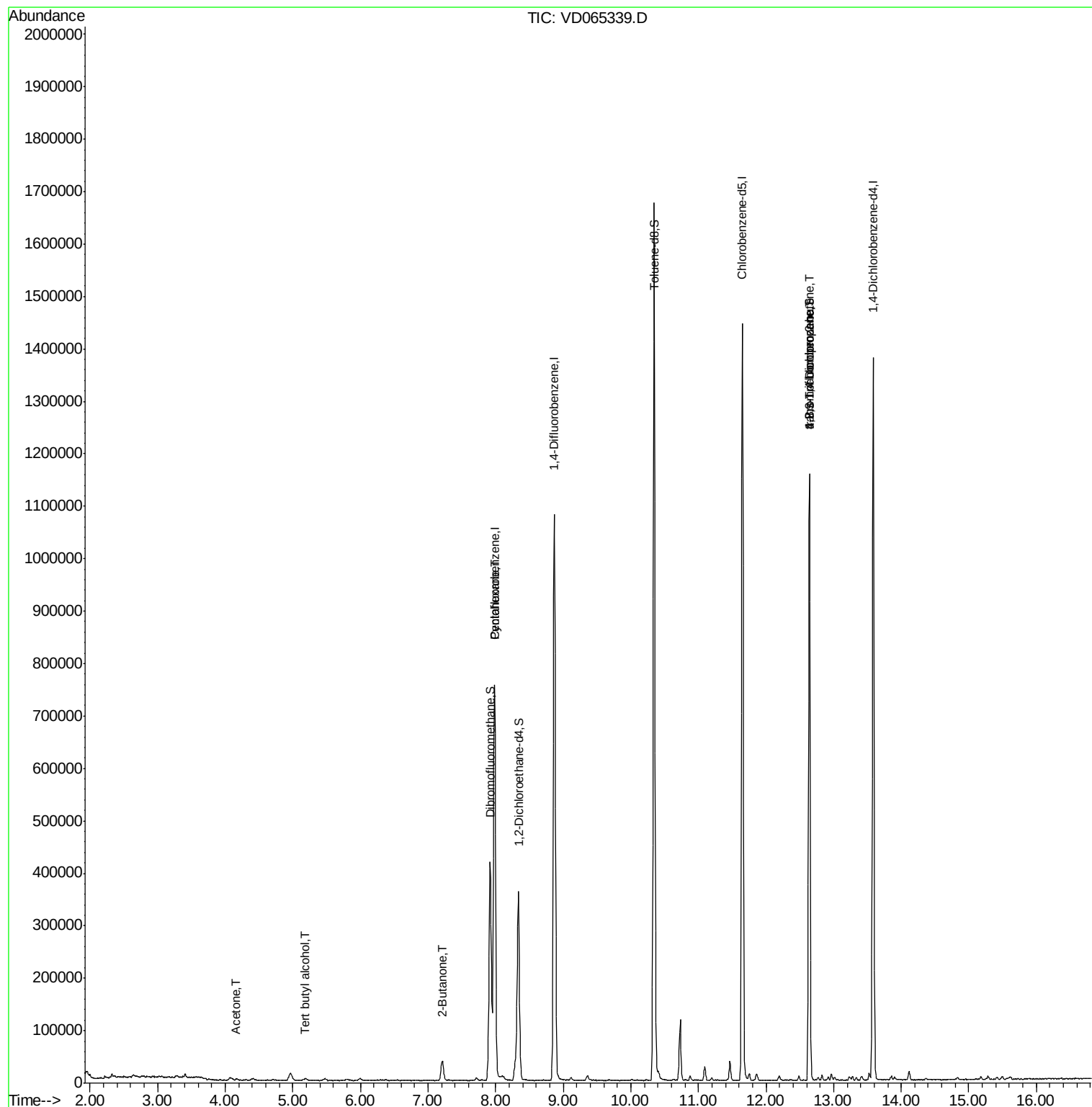
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	590311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	964944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	861487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	388687	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	278762	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
35) Dibromofluoromethane	7.92	113	304139	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.34	98	1141342	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.64	95	343426	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	1630	5.137	ug/l #	72
13) Acrolein	3.93	56	60	Below Cal	#	1
16) Acetone	4.16	43	3580	2.758	ug/l #	81
20) Methylene Chloride	4.97	84	10045	Below Cal	#	95
25) 2-Butanone	7.21	43	2407	1.466	ug/l #	49
31) Cyclohexane	7.98	56	14120	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	171639	51.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171639	112.063	ug/l #	11

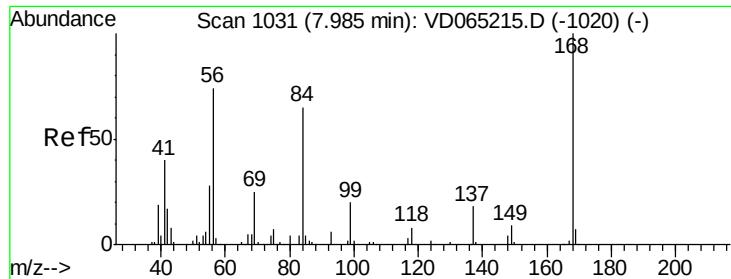
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065339.D

Acq: 27 Feb 2020 10:46

Instrument :

MSVOA_D

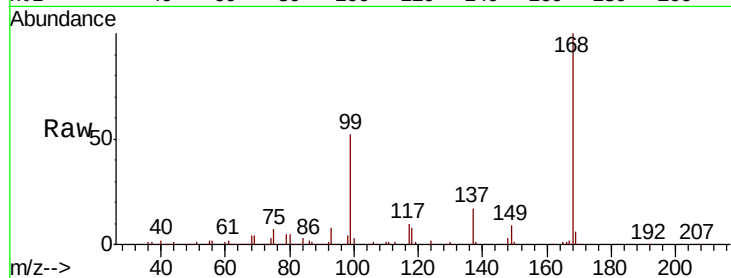
ClientSampleId :

Tot Ion:168 Resp: 590311

Ion Ratio Lower Upper

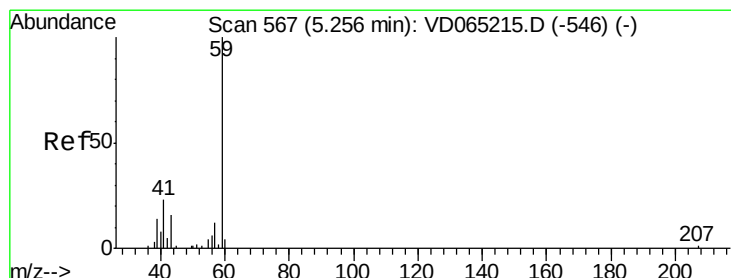
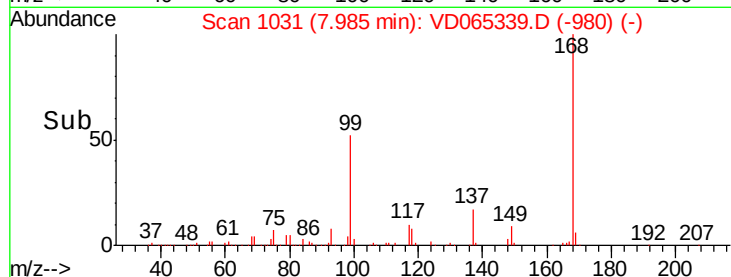
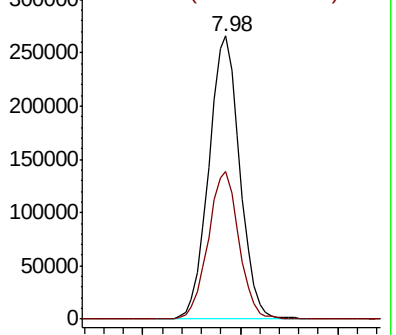
168 100

99 52.1 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: 5.137 ug/l

RT: 5.17 min Scan# 553

Delta R.T. -0.08 min

Lab File: VD065339.D

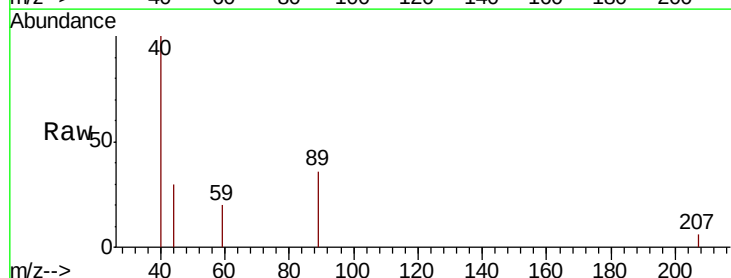
Acq: 27 Feb 2020 10:46

Tgt Ion: 59 Resp: 1630

Ion Ratio Lower Upper

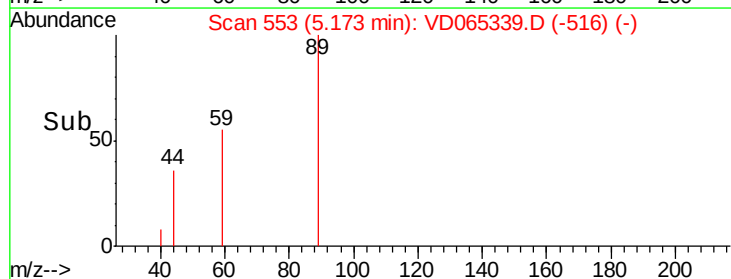
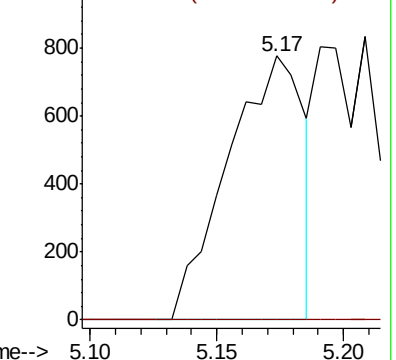
59 100

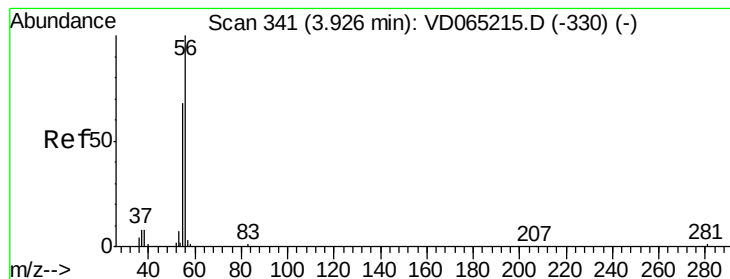
57 0.0 8.4 12.6#



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: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065339.D

Acq: 27 Feb 2020 10:46

Instrument :

MSVOA_D

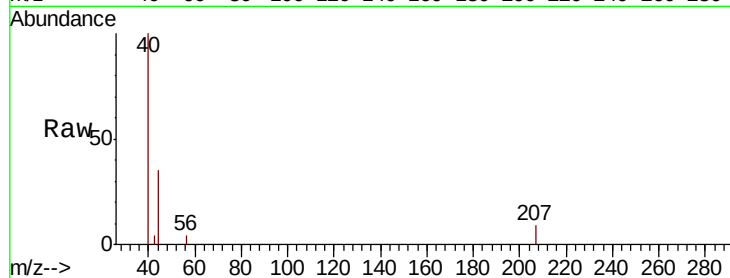
ClientSampleId :

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

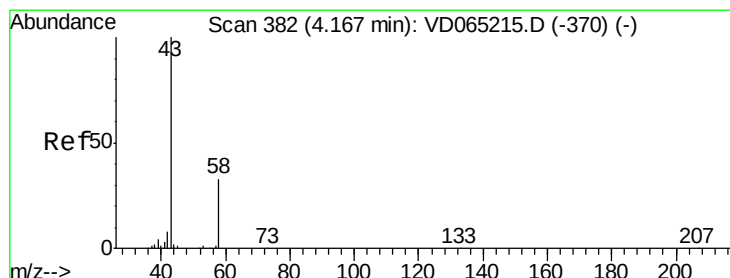
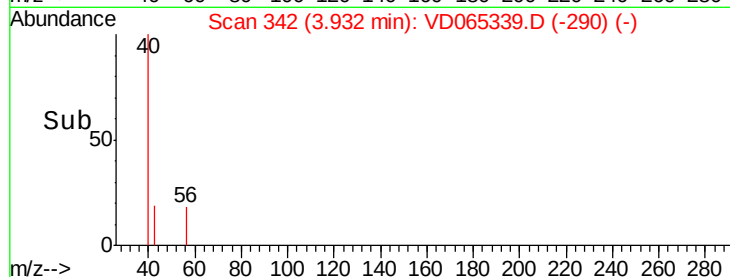
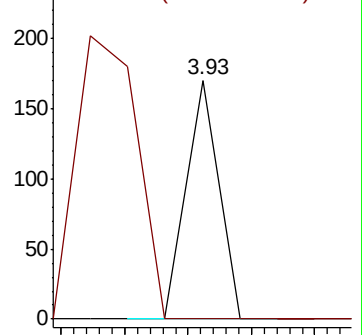
56 100

55 225.0 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: 2.758 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065339.D

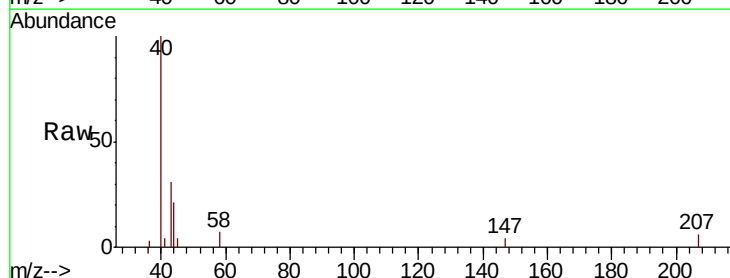
Acq: 27 Feb 2020 10:46

Tgt Ion: 43 Resp: 3580

Ion Ratio Lower Upper

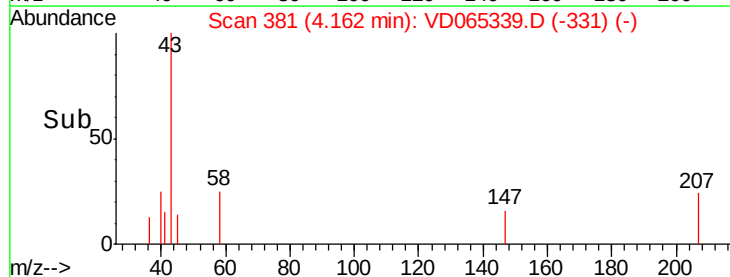
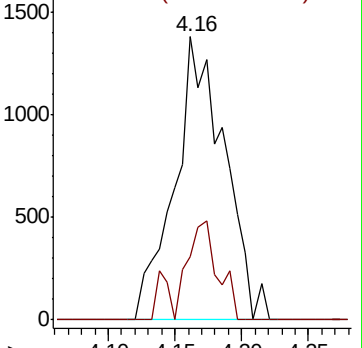
43 100

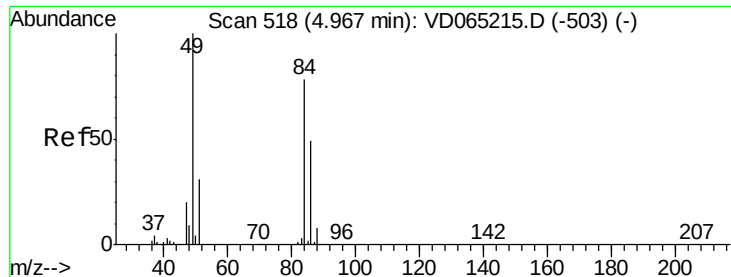
58 22.2 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

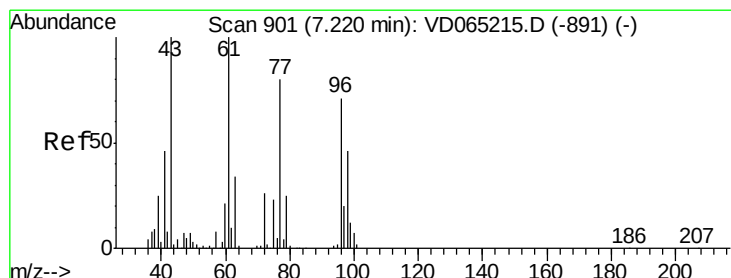
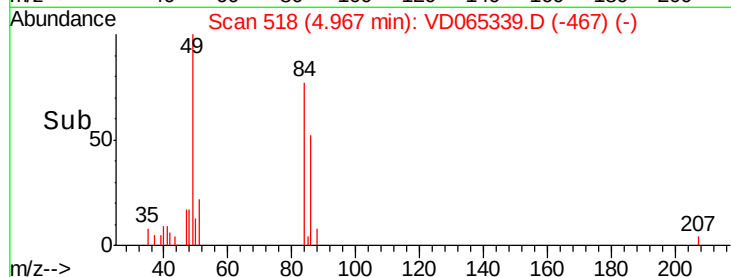
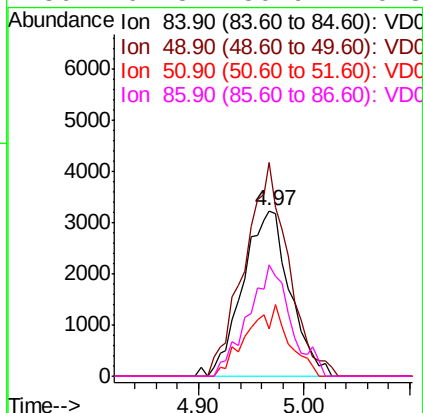
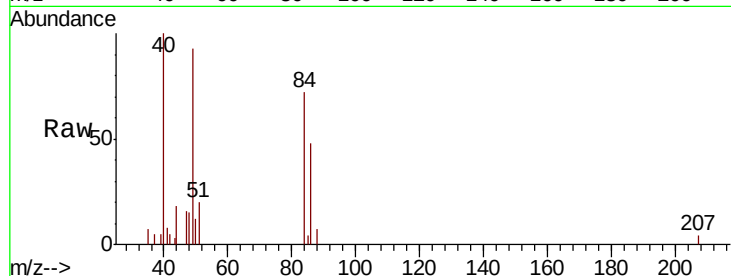




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

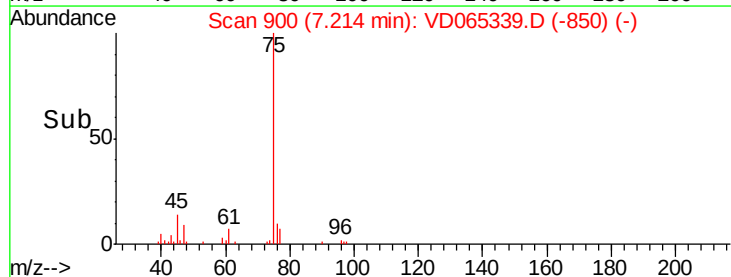
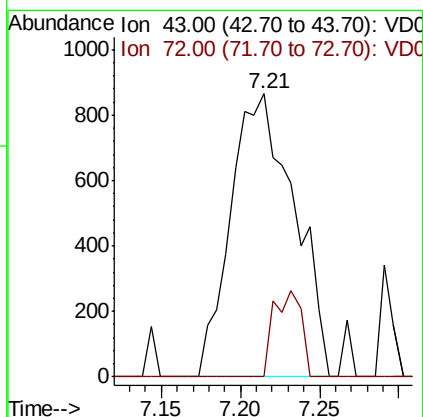
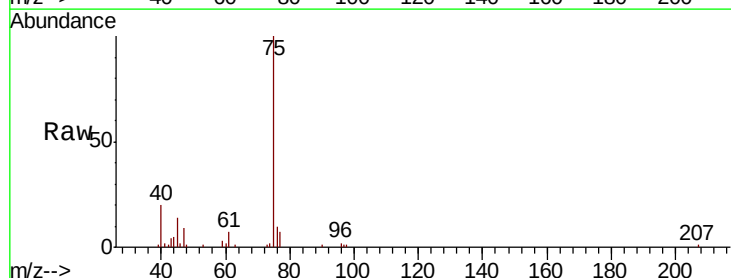
Instrument :
MSVOA_D
ClientSampled :

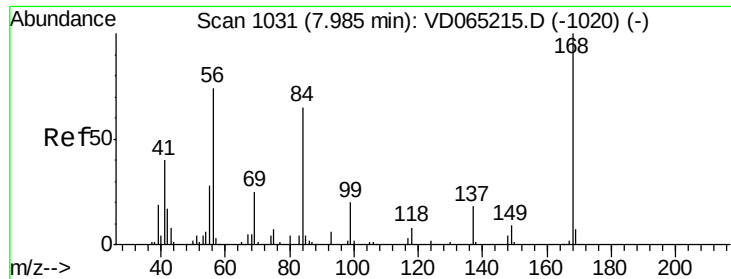
Tot Ion	84	Resp	10045
Ion	Ratio	Lower	Upper
84	100		
49	129.3	103.1	154.7
51	28.3	31.7	47.5#
86	67.3	50.9	76.3



#25
2-Butanone
Concen: 1.466 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

Tgt Ion	43	Resp	2407
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

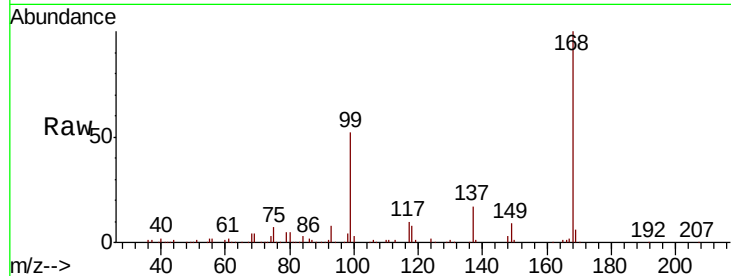




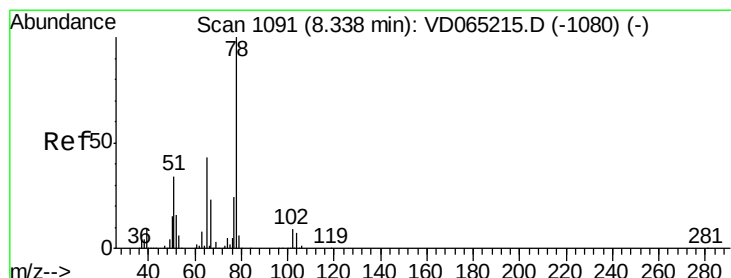
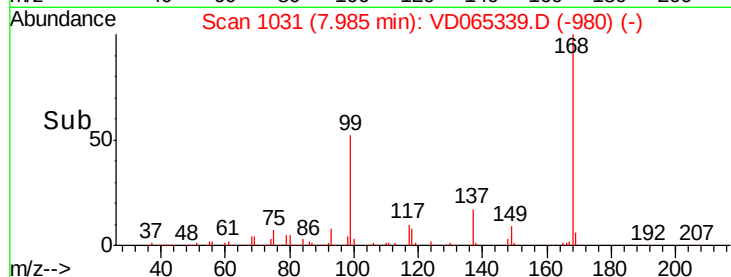
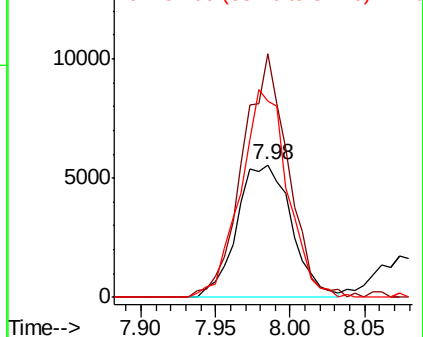
#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 14120
Ion Ratio Lower Upper
56 100
69 183.4 27.4 41.0#
84 148.1 71.1 106.7#

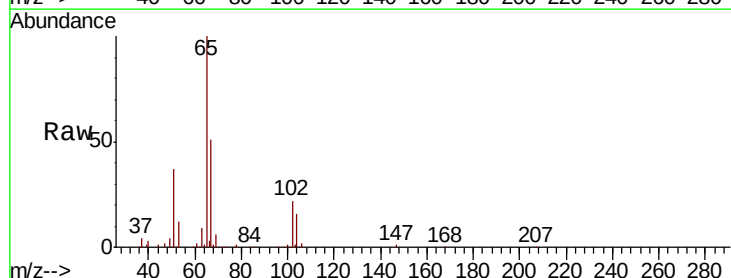


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

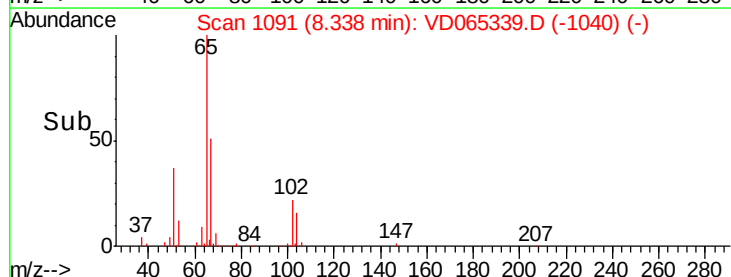
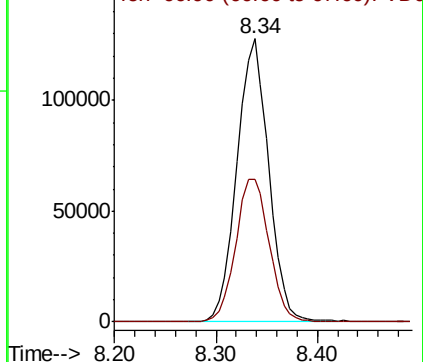


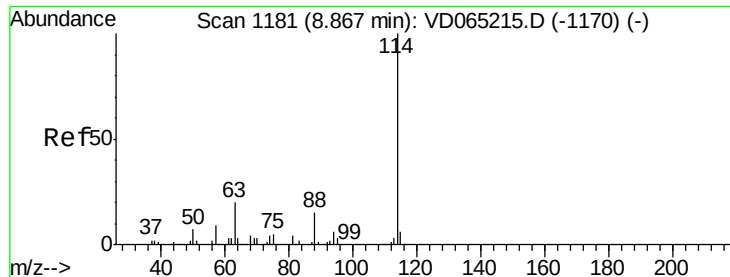
#33
1,2-Dichloroethane-d4
Concen: 52.493 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

Tgt Ion: 65 Resp: 278762
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

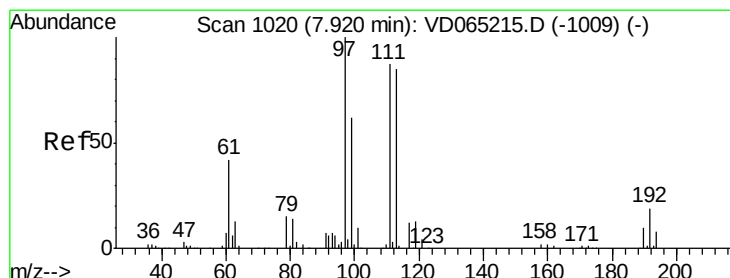
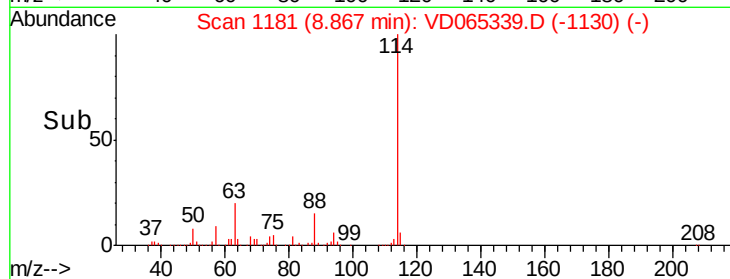
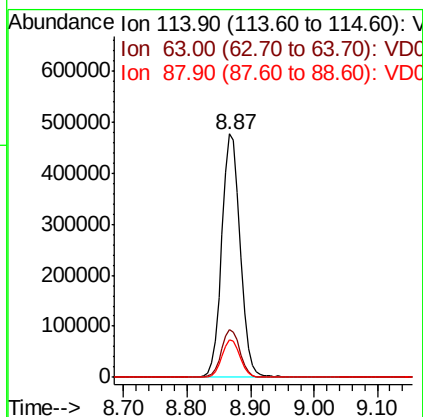
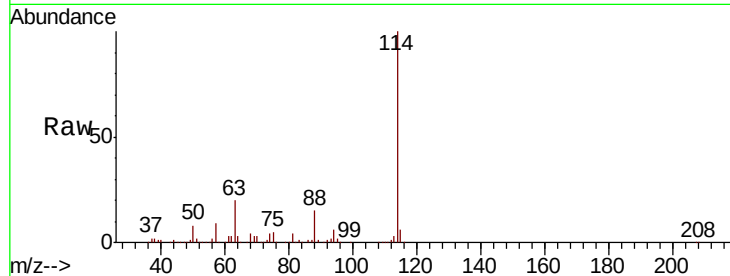




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065339.D
 Acq: 27 Feb 2020 10:46

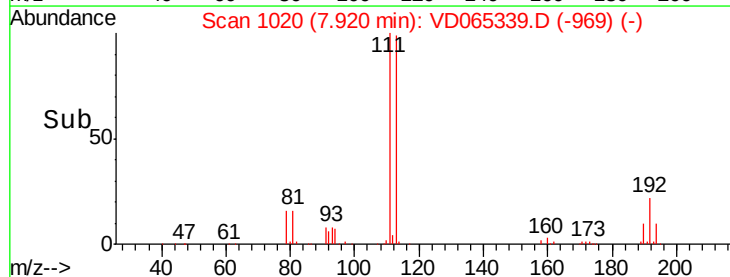
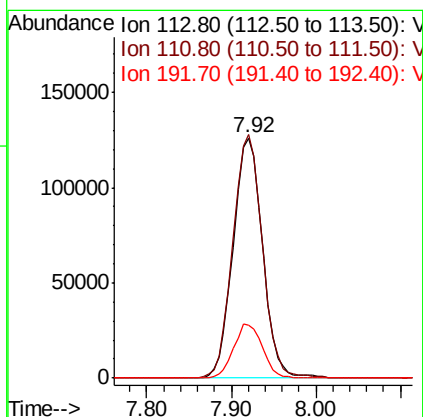
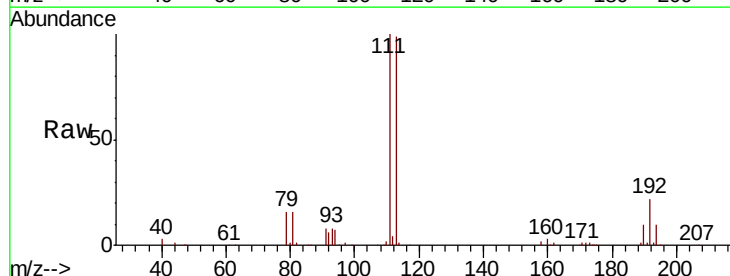
Instrument :
 MSVOA_D
 ClientSampleId :

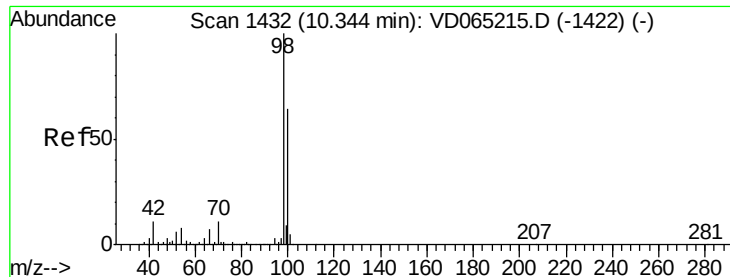
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.2	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.692 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065339.D
 Acq: 27 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	22.1	17.3	25.9

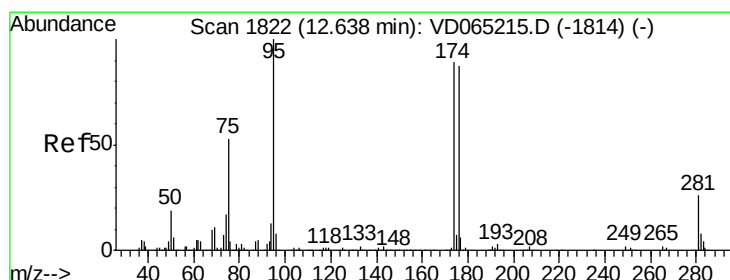
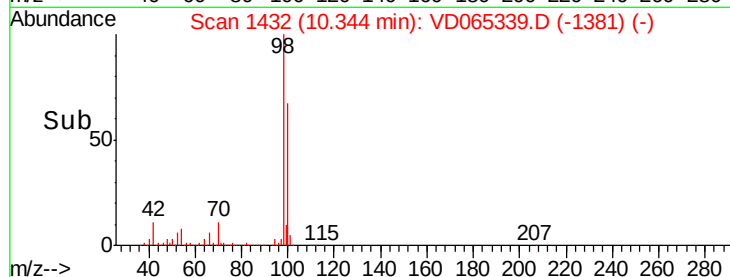
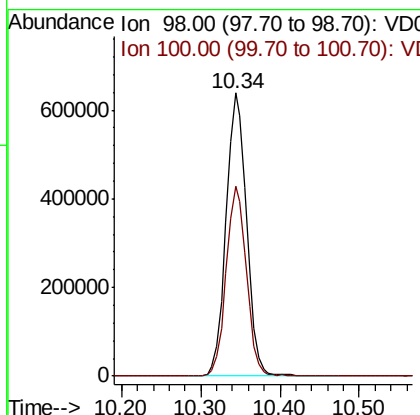
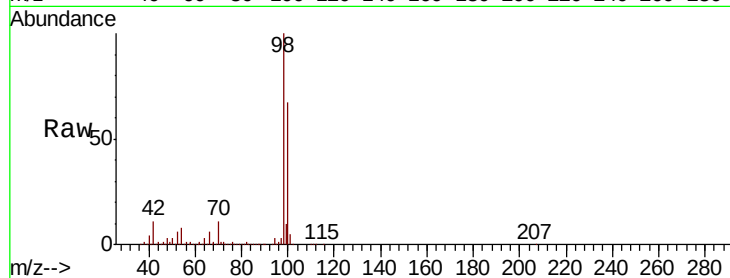




#50
Toluene-d8
Concen: 50.743 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

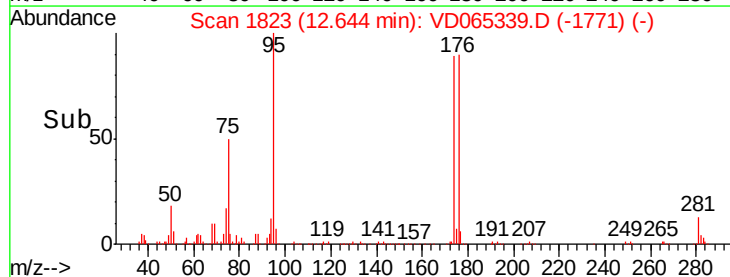
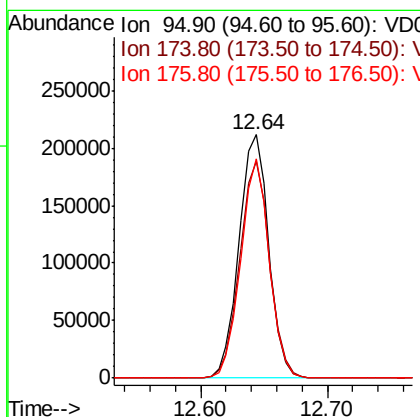
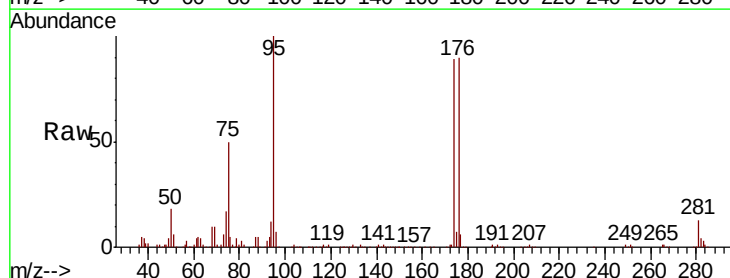
Instrument :
MSVOA_D
ClientSampleId :

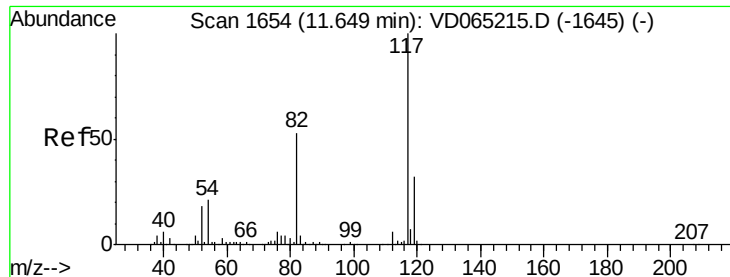
Tot Ion: 98 Resp: 1141342
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 48.197 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

Tgt Ion: 95 Resp: 343426
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.0
176 86.9 0.0 174.4

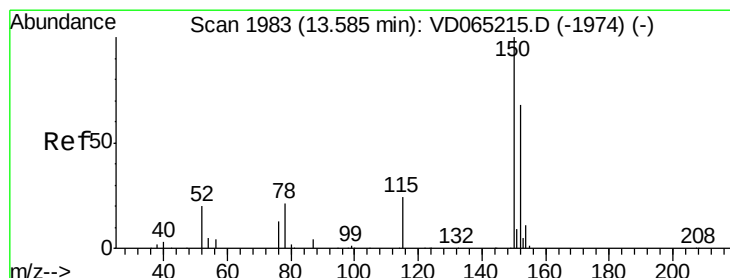
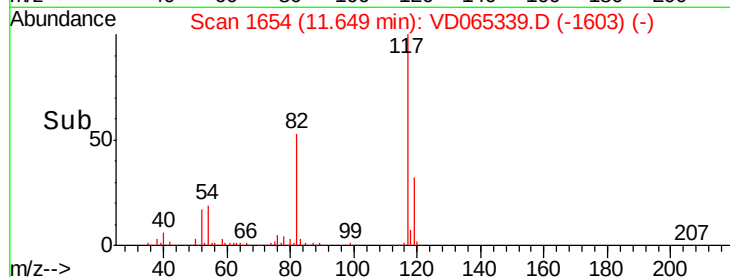
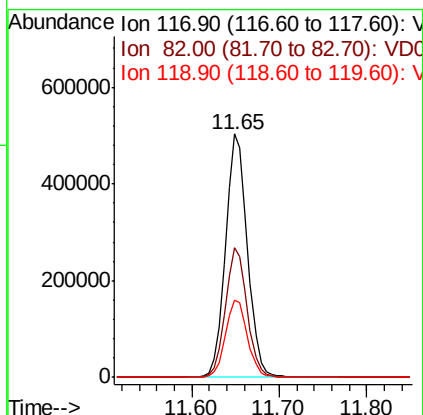
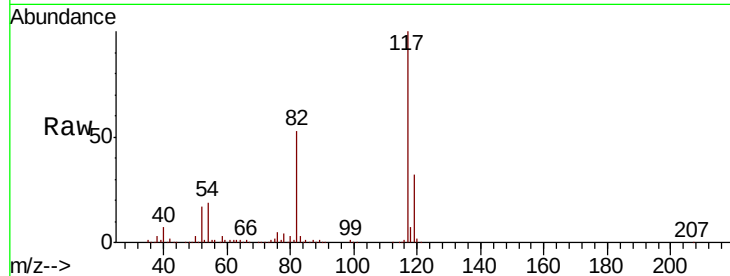




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

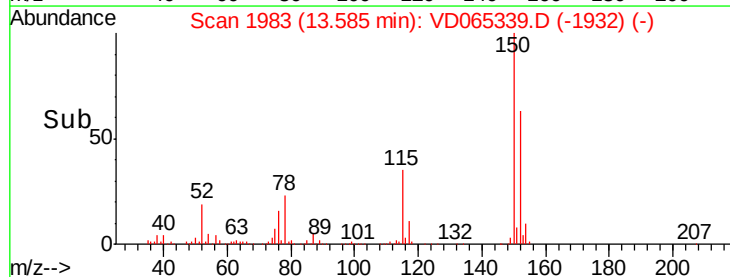
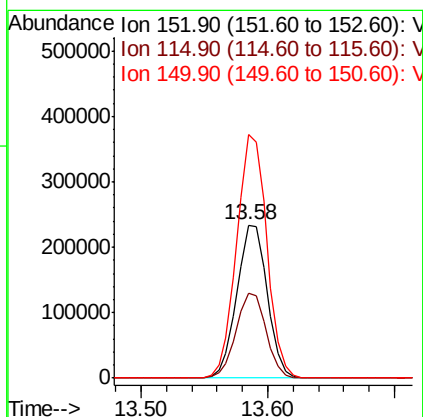
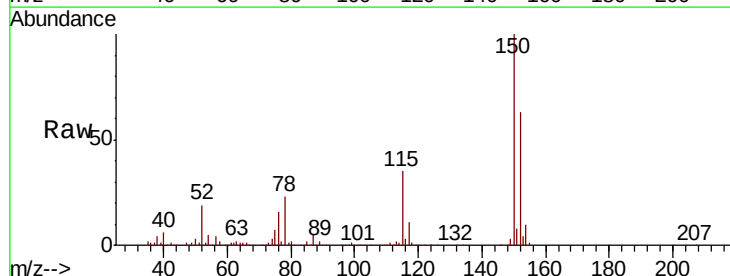
Instrument :
MSVOA_D
ClientSampleId :

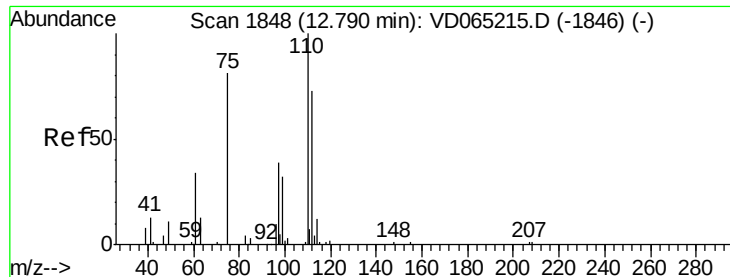
Tot Ion:117 Resp: 861487
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065339.D
Acq: 27 Feb 2020 10:46

Tgt Ion:152 Resp: 388687
Ion Ratio Lower Upper
152 100
115 54.7 27.6 82.8
150 157.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 51.901 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065339.D

Acq: 27 Feb 2020 10:46

Instrument :

MSVOA_D

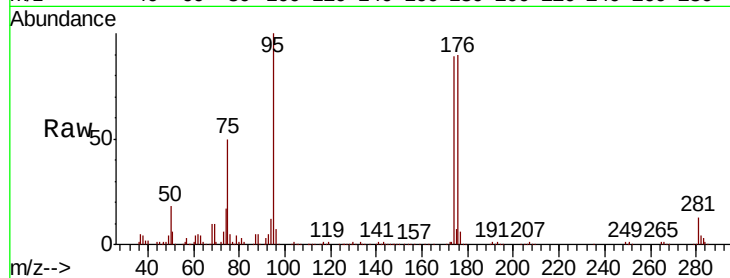
ClientSampleId :

Tot Ion: 75 Resp: 171639

Ion Ratio Lower Upper

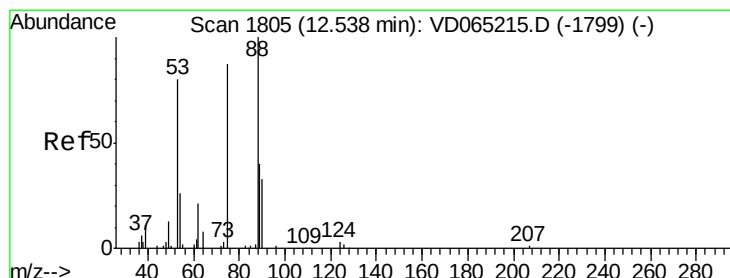
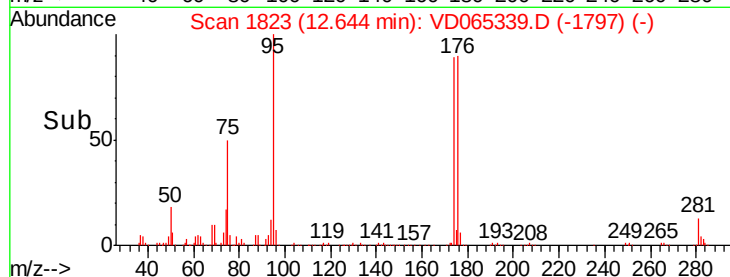
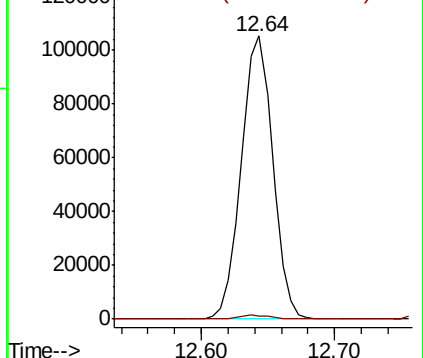
75 100

77 1.4 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: 112.063 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065339.D

Acq: 27 Feb 2020 10:46

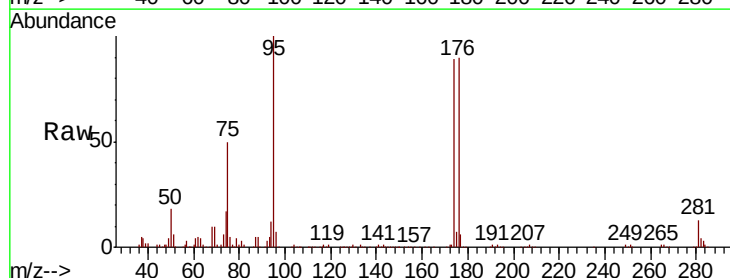
Tgt Ion: 75 Resp: 171639

Ion Ratio Lower Upper

75 100

53 0.0 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

