

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065086.D
 Acq On : 06 Feb 2020 14:56
 Operator : VA/SY
 Sample : L1394-03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:09:14 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	492687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	809903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	812405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	238029	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	
35) Dibromofluoromethane	7.92	113	250152	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
50) Toluene-d8	10.34	98	1011091	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.64	95	351957	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	

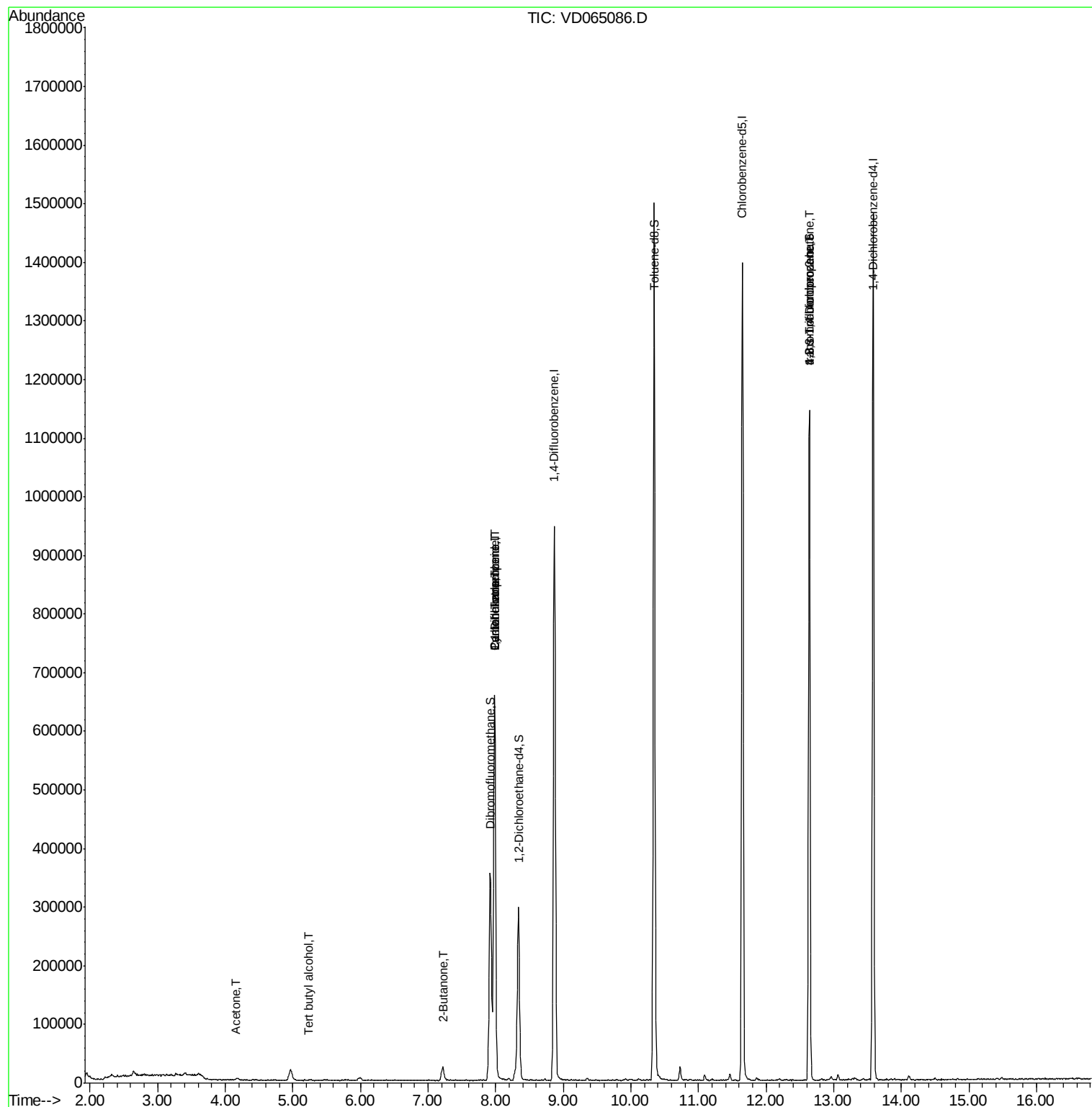
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	630	2.462	ug/l #	71
16) Acetone	4.16	43	5286	5.049	ug/l	100
20) Methylene Chloride	4.97	84	13505	Below Cal	#	92
25) 2-Butanone	7.22	43	2252	1.803	ug/l #	50
31) Cyclohexane	7.98	56	11412	1.370	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	37028	4.917	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47365	6.158	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	184220	61.863	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	184220	123.720	ug/l #	10

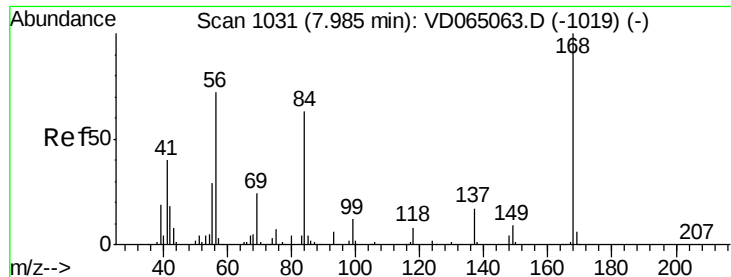
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065086.D

Acq: 06 Feb 2020 14:56

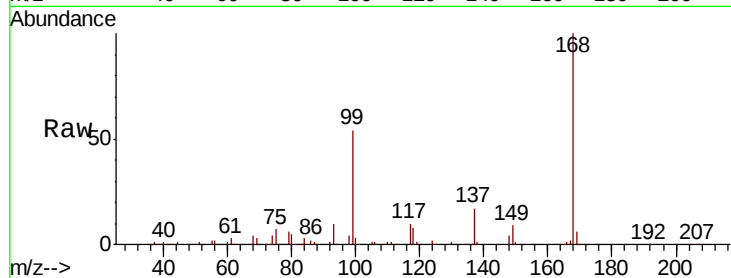
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 492687

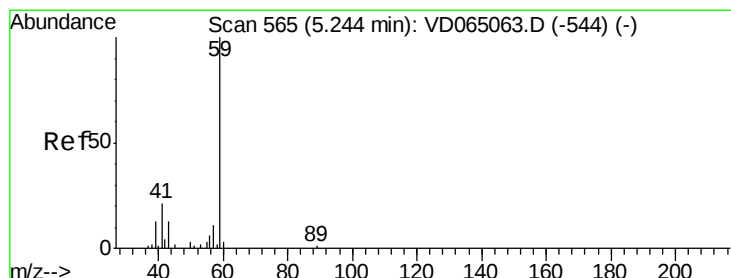
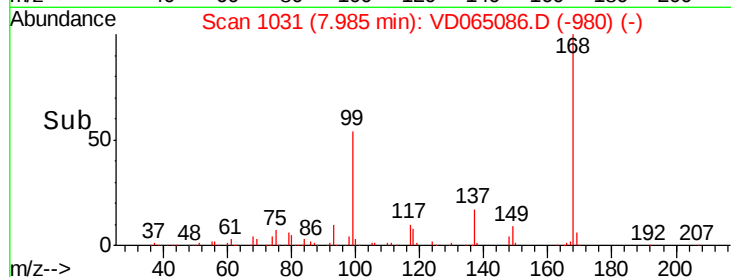
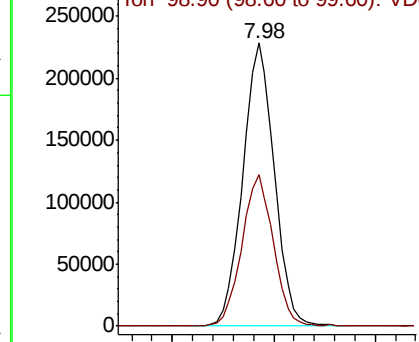
Ion Ratio Lower Upper

168 100

99 53.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.462 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065086.D

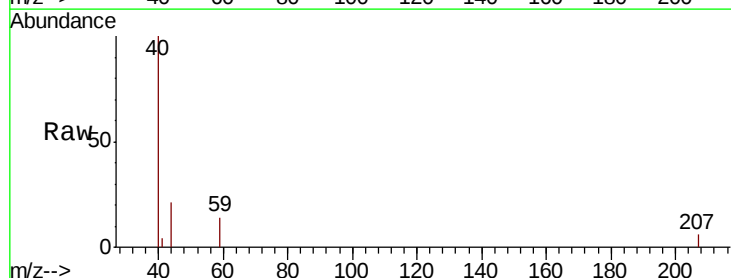
Acq: 06 Feb 2020 14:56

Tgt Ion: 59 Resp: 630

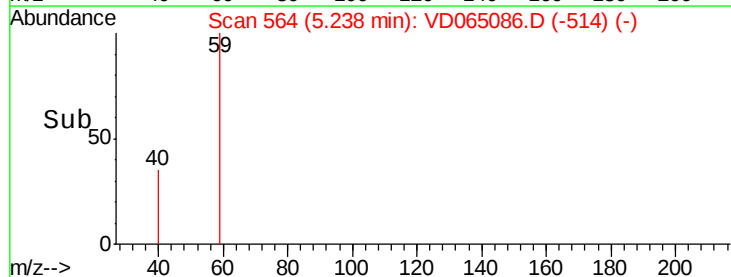
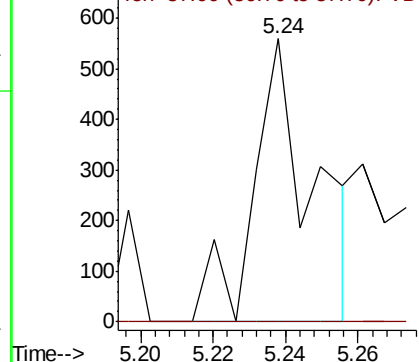
Ion Ratio Lower Upper

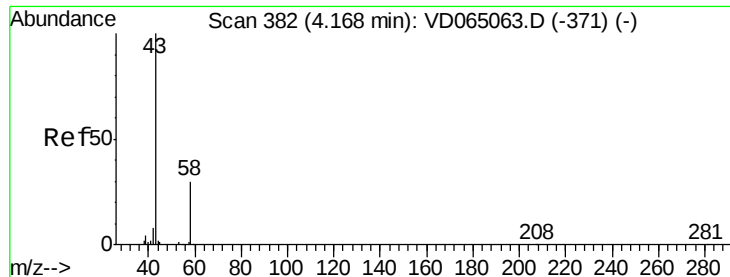
59 100

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

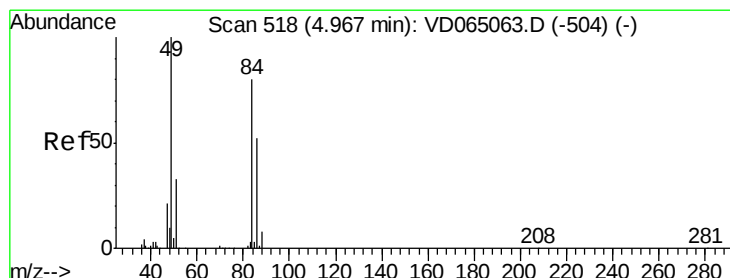
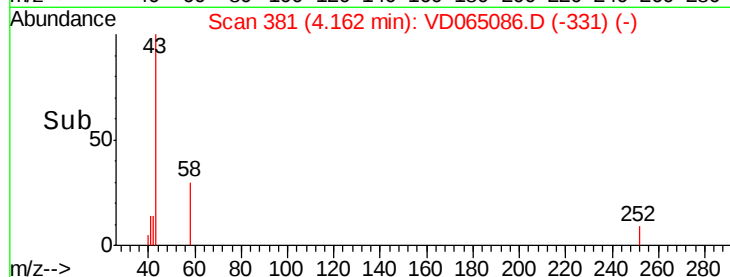
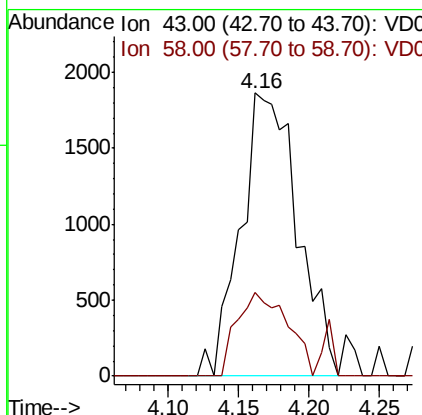
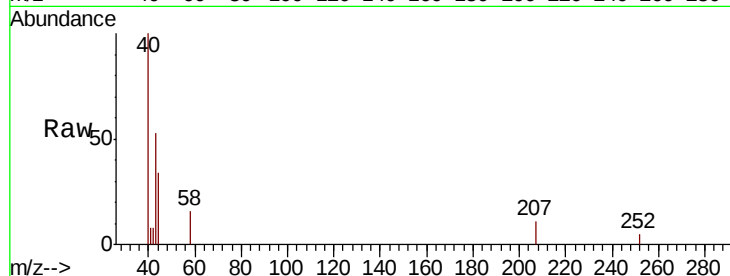




#16
Acetone
Concen: 5.049 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

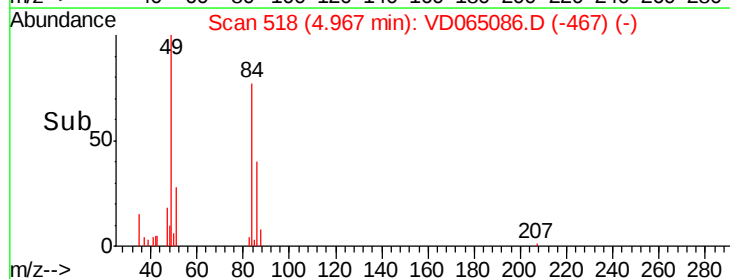
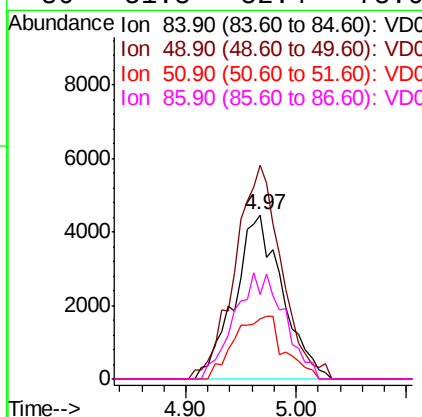
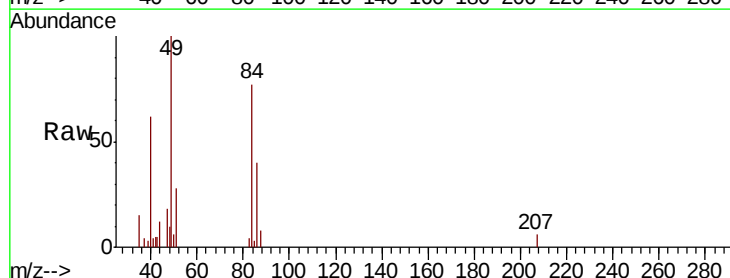
Instrument :
MSVOA_D
ClientSampleId :

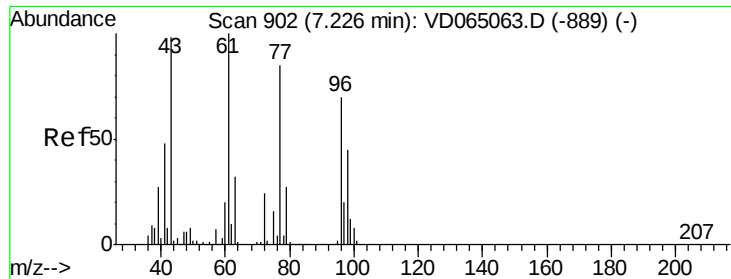
Tot Ion: 43 Resp: 5286
Ion Ratio Lower Upper
43 100
58 29.7 23.5 35.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Tgt Ion: 84 Resp: 13505
Ion Ratio Lower Upper
84 100
49 130.2 100.4 150.6
51 36.9 32.7 49.1
86 51.8 52.4 78.6#

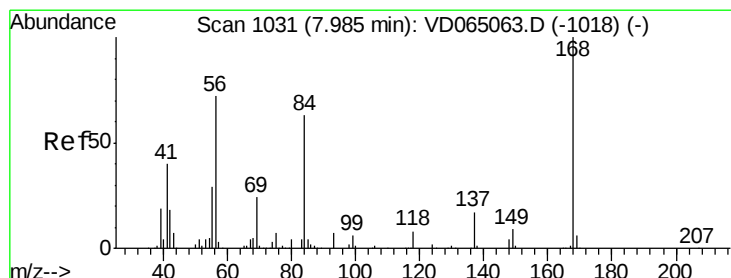
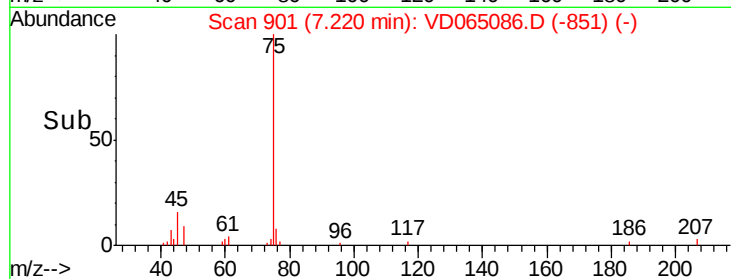
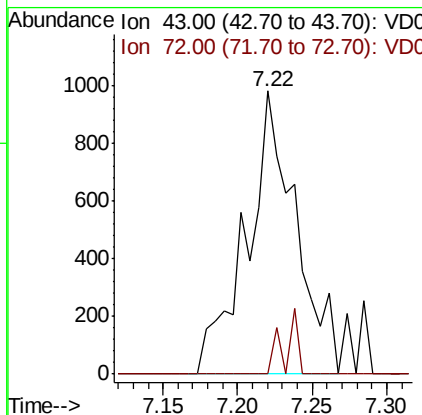
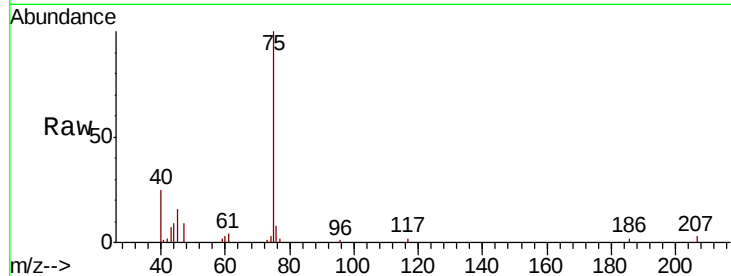




#25
2-Butanone
Concen: 1.803 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

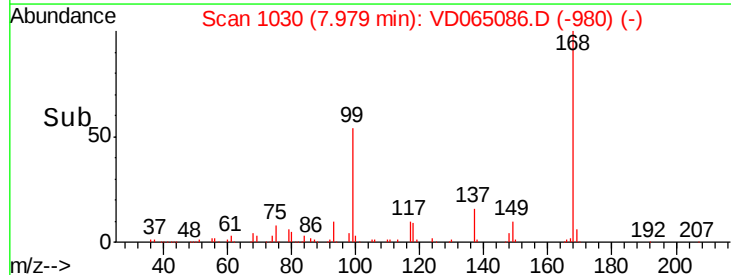
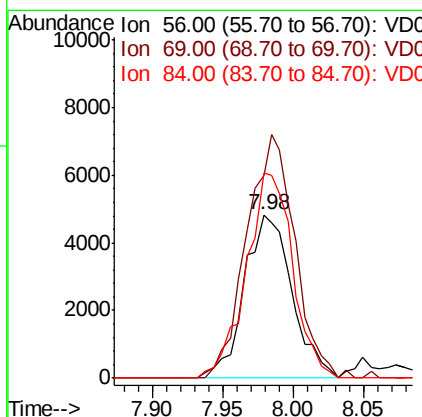
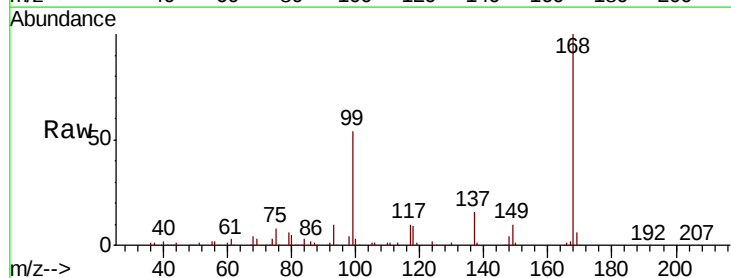
Instrument :
MSVOA_D
ClientSampled :

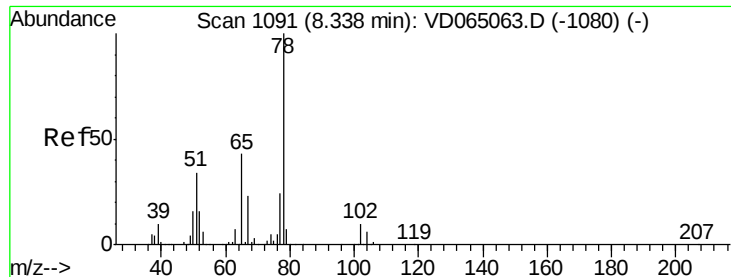
Tot Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Tgt Ion: 56 Resp: 11412
Ion Ratio Lower Upper
56 100
69 124.7 26.6 40.0#
84 126.0 70.6 106.0#





#33

1,2-Dichloroethane-d4

Concen: 56.844 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065086.D

Acq: 06 Feb 2020 14:56

Instrument :

MSVOA_D

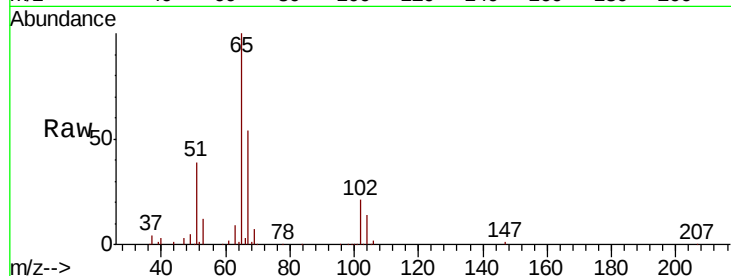
ClientSampled :

Tot Ion: 65 Resp: 238029

Ion Ratio Lower Upper

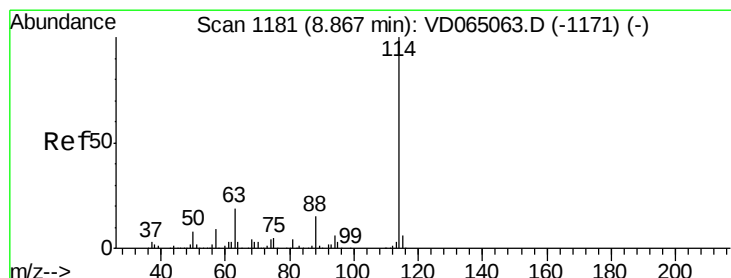
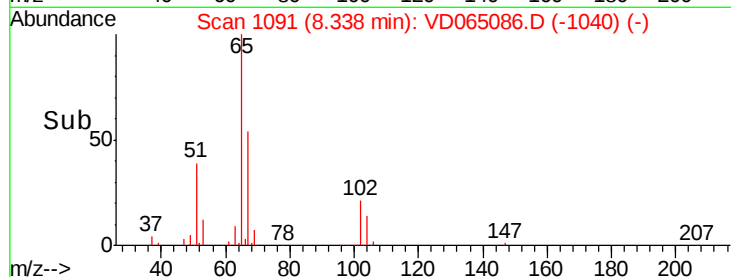
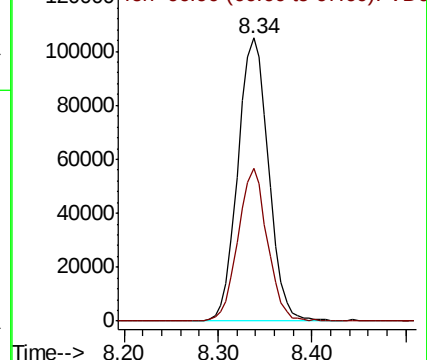
65 100

67 51.9 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# 1182

Delta R.T. 0.01 min

Lab File: VD065086.D

Acq: 06 Feb 2020 14:56

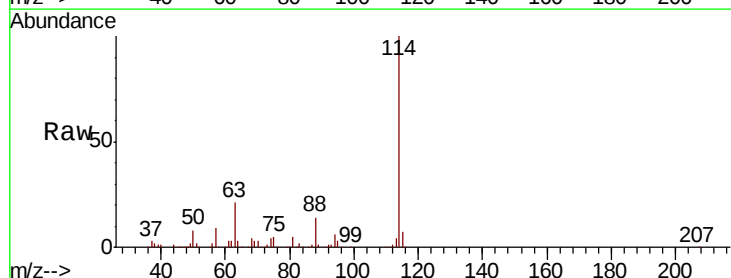
Tgt Ion: 114 Resp: 809903

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

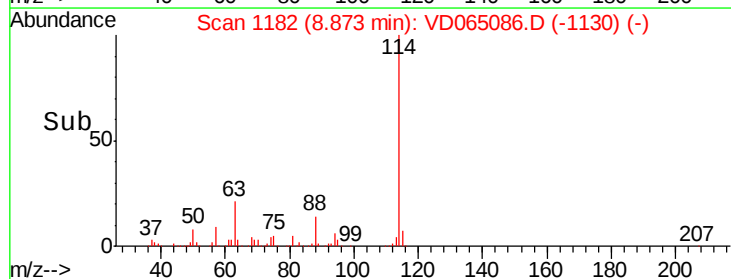
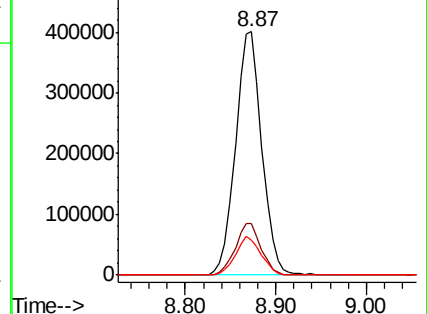
88 14.3 0.0 29.6

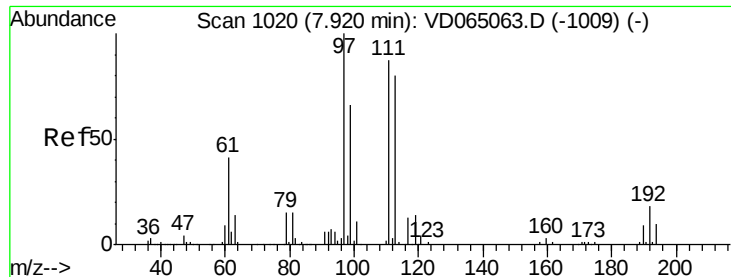


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

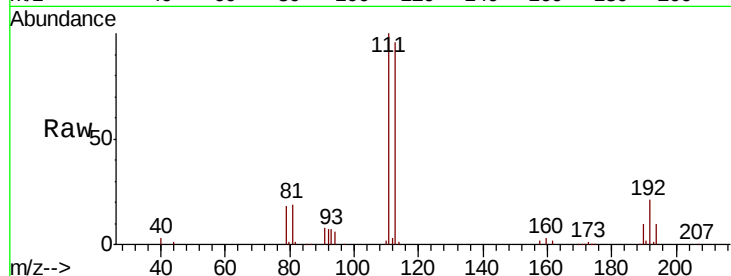




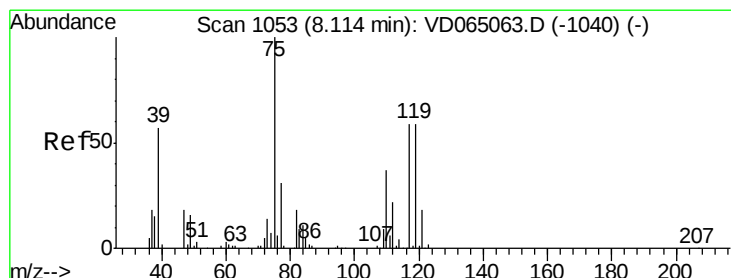
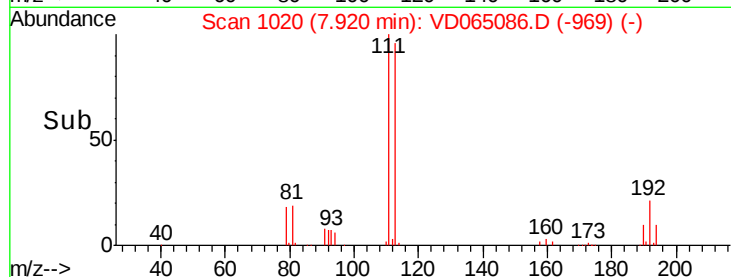
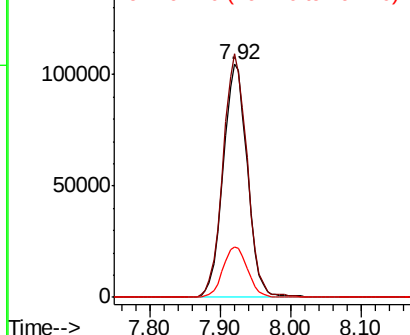
#35
 Dibromofluoromethane
 Concen: 55.359 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065086.D
 Acq: 06 Feb 2020 14:56

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	22.0	18.1	27.1

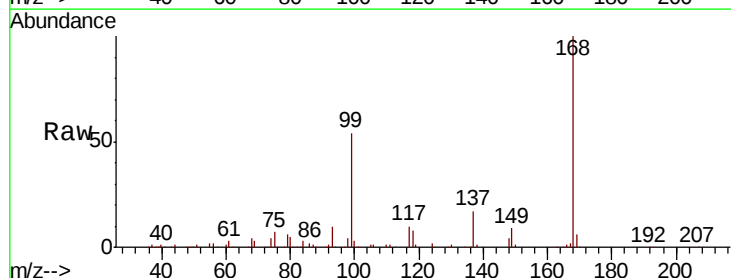


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

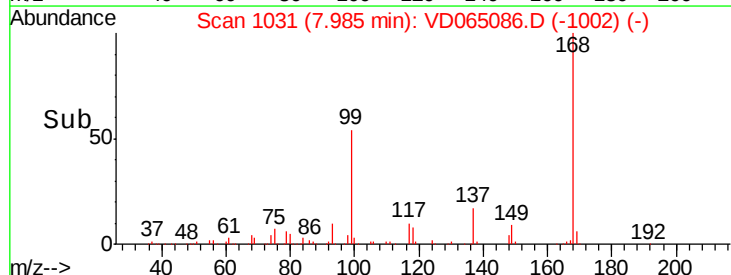
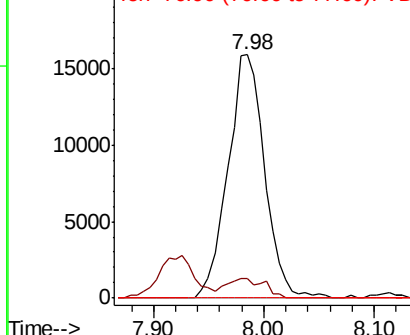


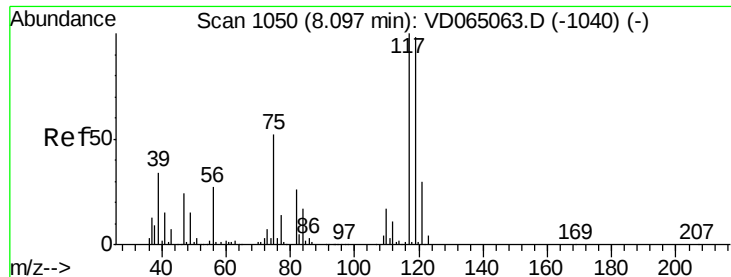
#36
 1,1-Dichloropropene
 Concen: 4.917 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065086.D
 Acq: 06 Feb 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	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

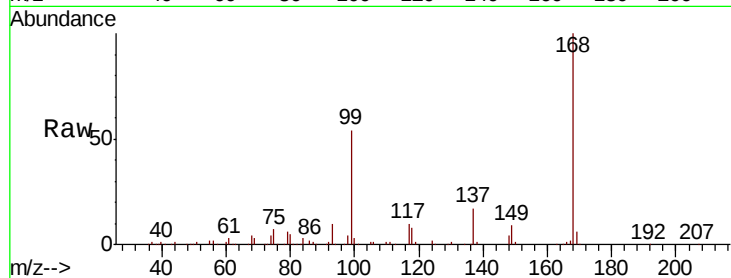




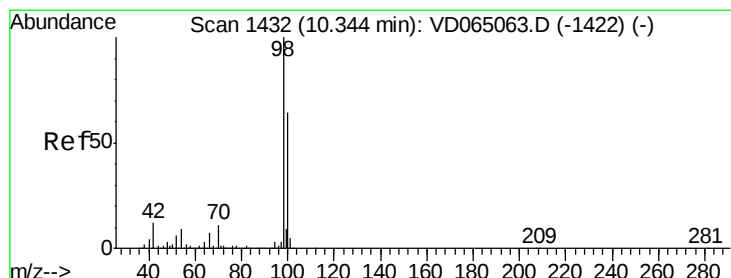
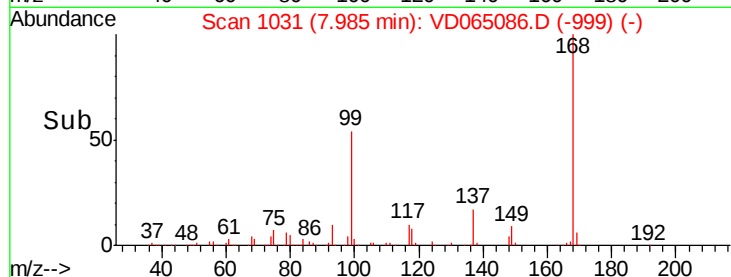
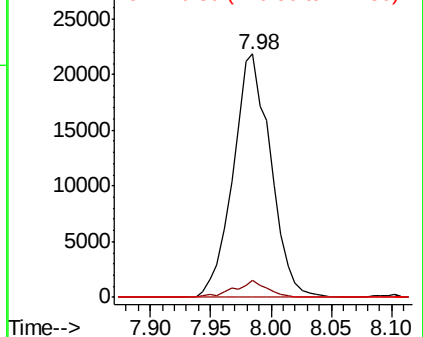
#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 47365
Ion Ratio Lower Upper
117 100
119 7.1 78.5 117.7#
121 0.0 23.8 35.6#

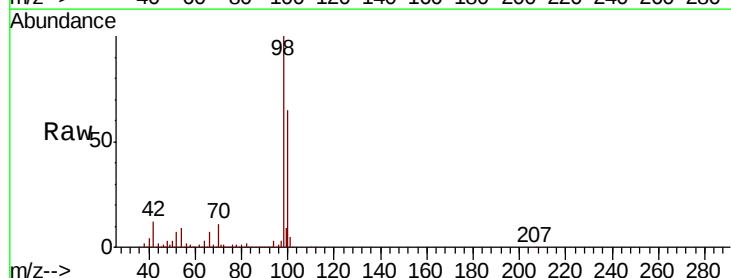


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

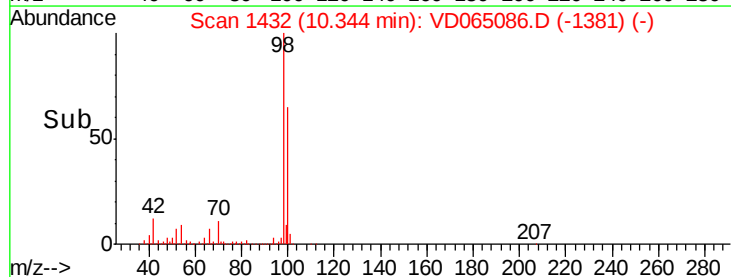
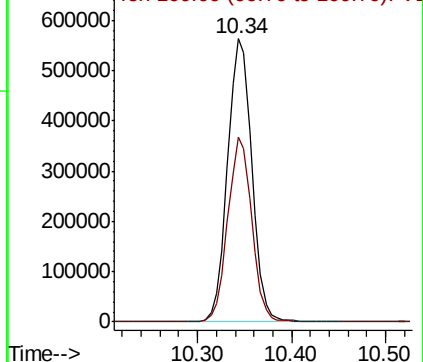


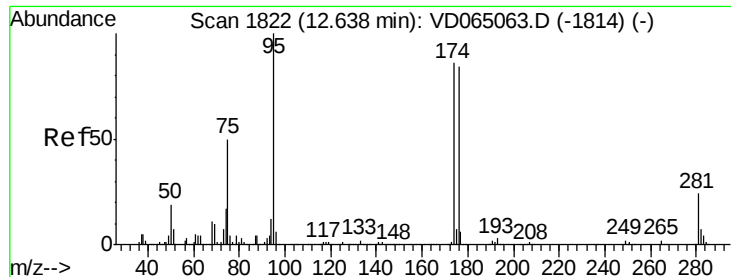
#50
Toluene-d8
Concen: 56.215 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Tgt Ion: 98 Resp: 1011091
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

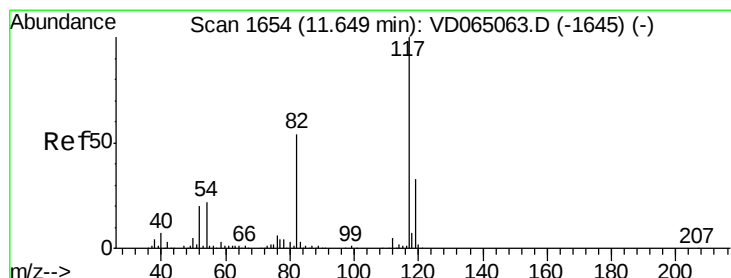
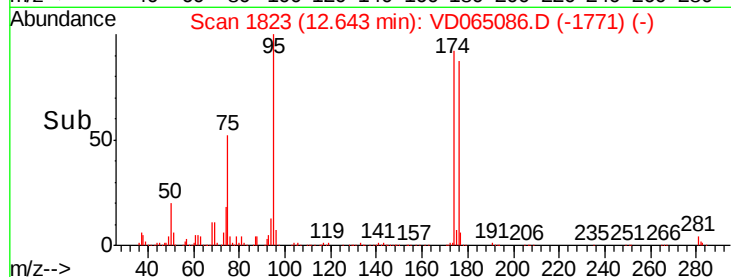
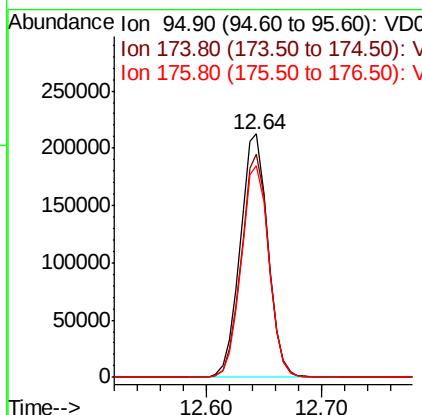
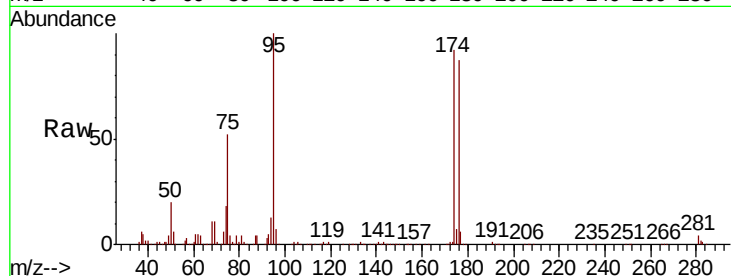




#62
4-Bromofluorobenzene
Concen: 61.757 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

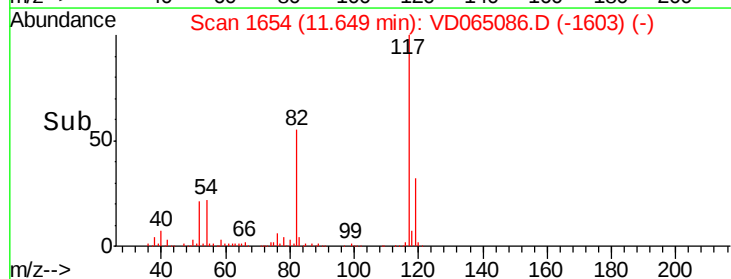
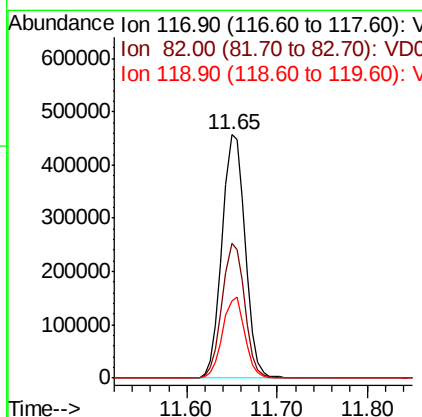
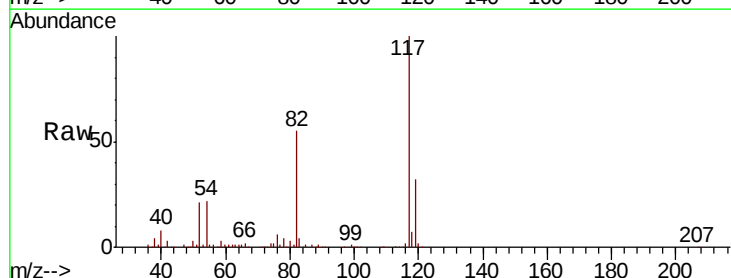
Instrument :
MSVOA_D
ClientSampled :

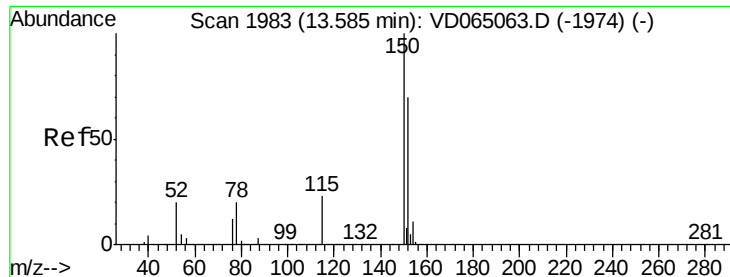
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	180.0
176	87.5	0.0	173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.1	64.7
119	31.9	26.0	39.0



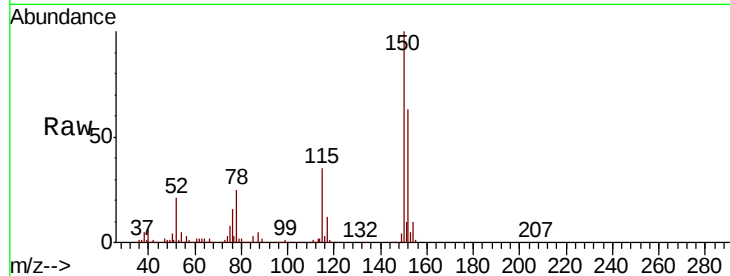


#72

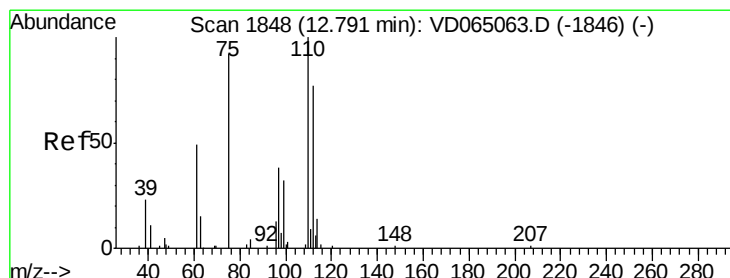
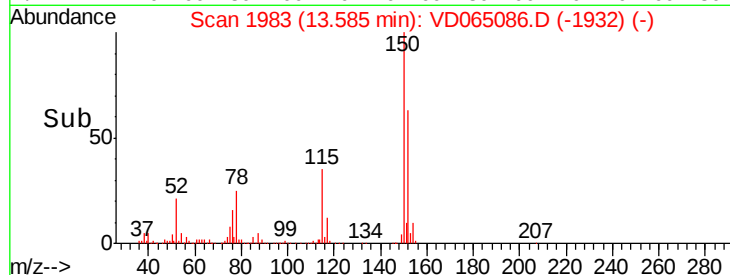
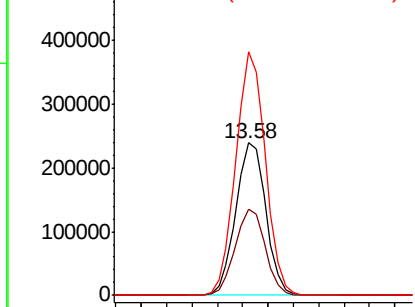
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.5	82.4
150	156.7	0.0	343.2



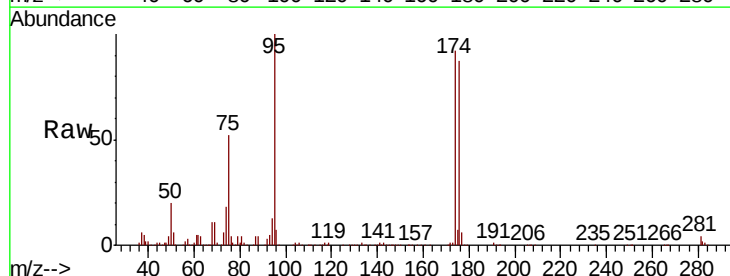
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



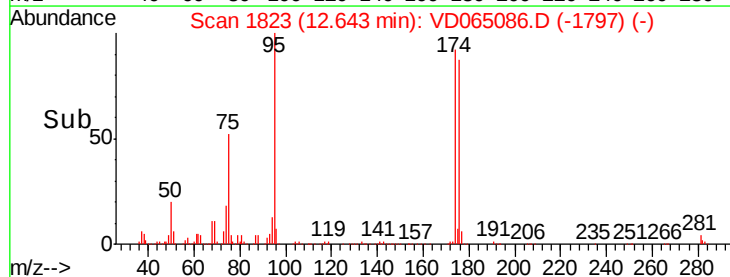
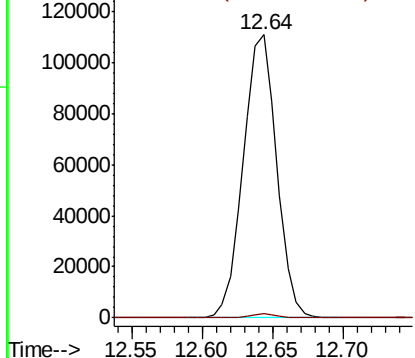
#76

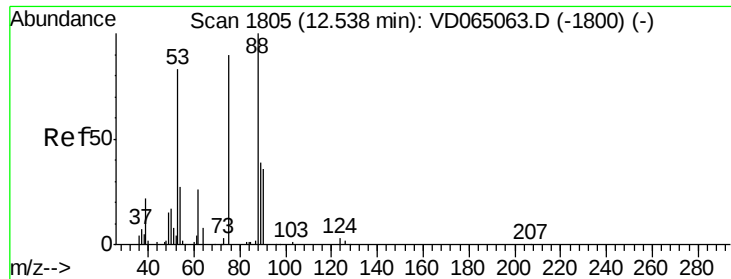
1,2,3-Trichloropropane
Concen: 61.863 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD065086.D
Acq: 06 Feb 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 123.720 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065086.D

Acq: 06 Feb 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

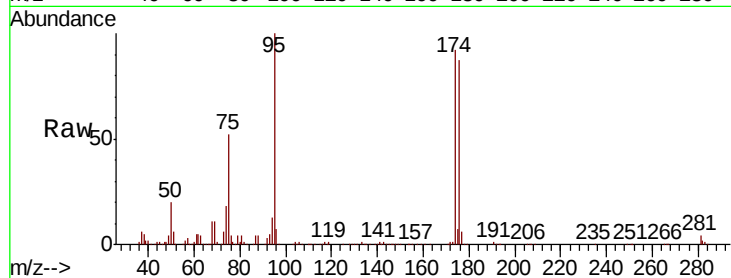
Tot Ion: 75 Resp: 184220

Ion Ratio Lower Upper

75 100

53 0.0 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

