

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064099.D
 Acq On : 29 Oct 2019 20:07
 Operator : VA/SY
 Sample : K5601-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

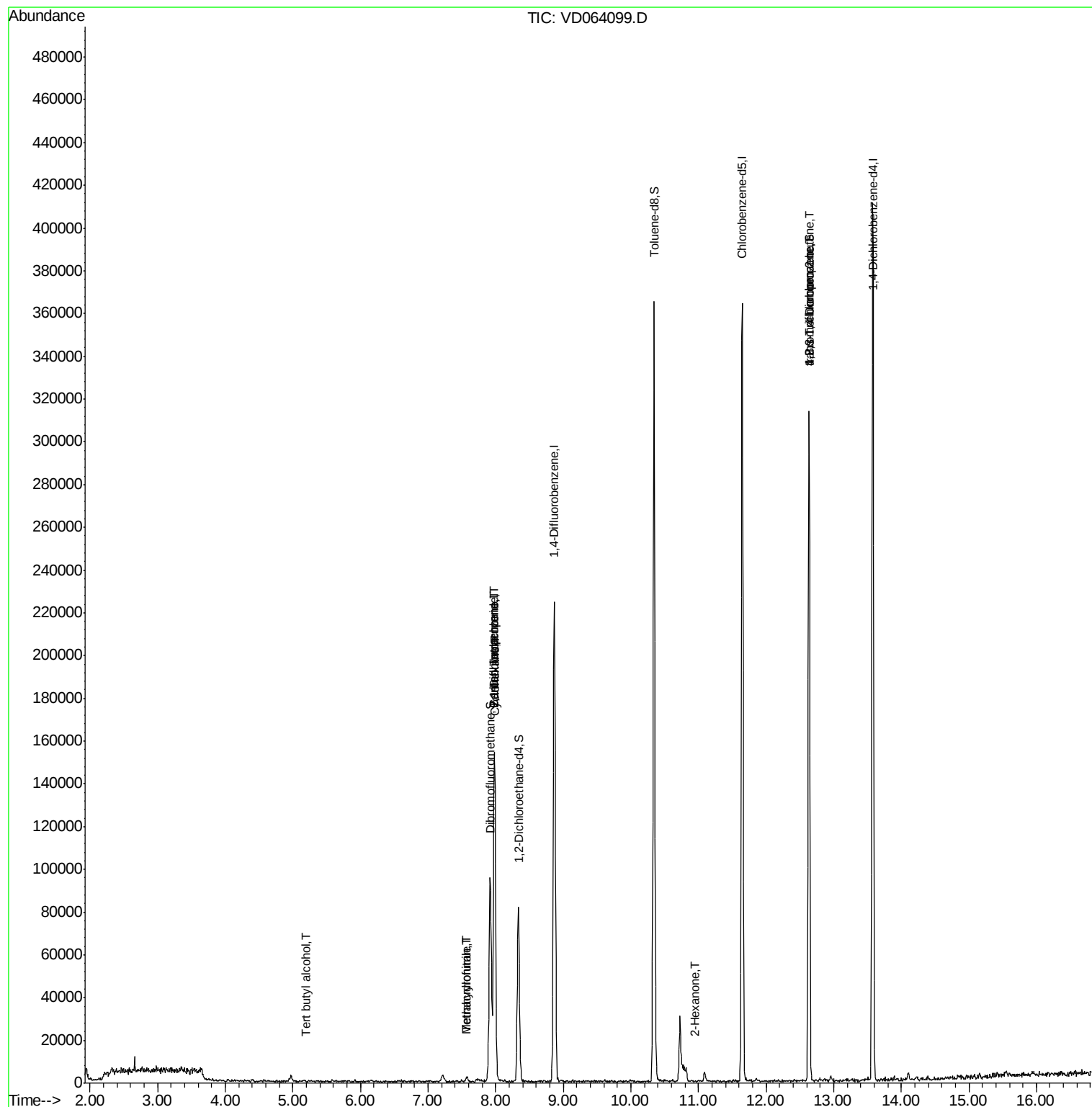
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	125652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	203667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	216017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	66247	66.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.58%	
35) Dibromofluoromethane	7.92	113	68304	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
50) Toluene-d8	10.34	98	245807	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.64	95	87585	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	64	7.276	ug/l #	71
20) Methylene Chloride	4.96	84	1919	Below Cal	#	81
29) Tetrahydrofuran	7.58	42	876	5.710	ug/l #	46
31) Cyclohexane	7.99	56	2581	1.389	ug/l #	64
36) 1,1-Dichloropropene	7.97	75	8985	4.708	ug/l #	39
38) Carbon Tetrachloride	7.98	117	12068	5.796	ug/l #	14
41) Methacrylonitrile	7.56	41	740	2.183	ug/l #	26
59) 2-Hexanone	10.96	43	56	9.121	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	47653	62.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	47653	128.543	ug/l #	15

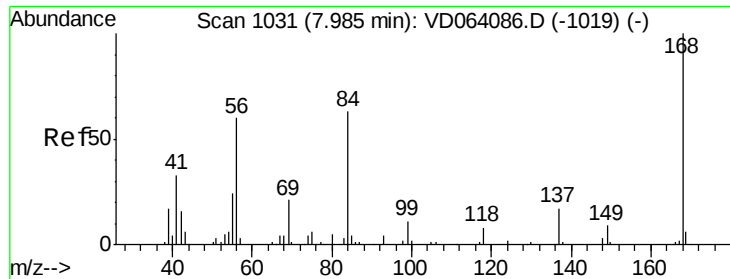
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

Instrument :

MSVOA_D

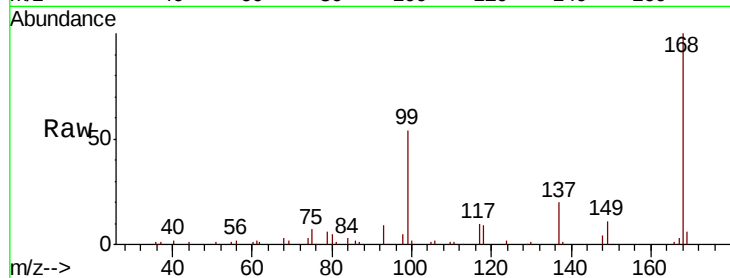
ClientSampleId :

Tot Ion:168 Resp: 125652

Ion Ratio Lower Upper

168 100

99 53.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

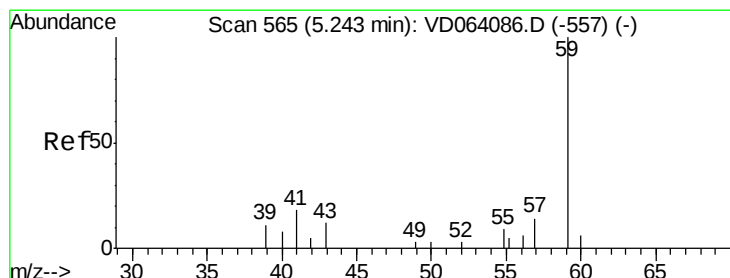
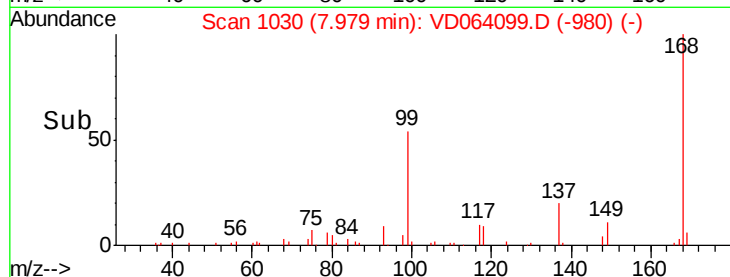
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.276 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.05 min

Lab File: VD064099.D

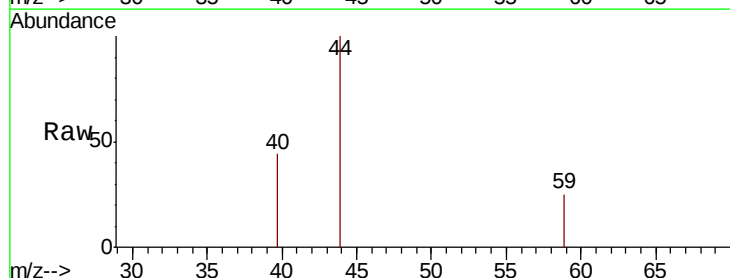
Acq: 29 Oct 2019 20:07

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

200

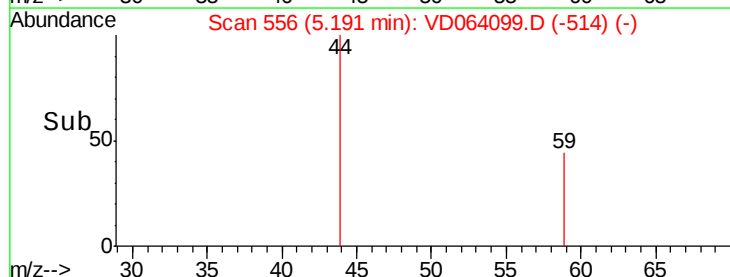
150

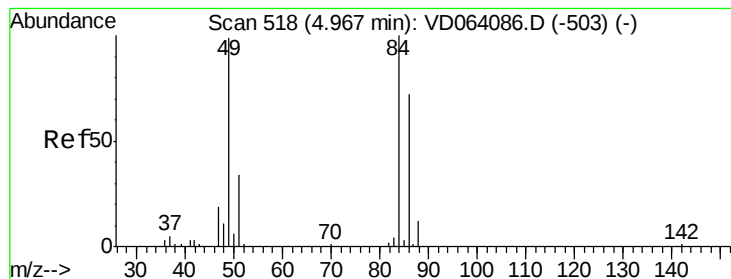
100

50

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

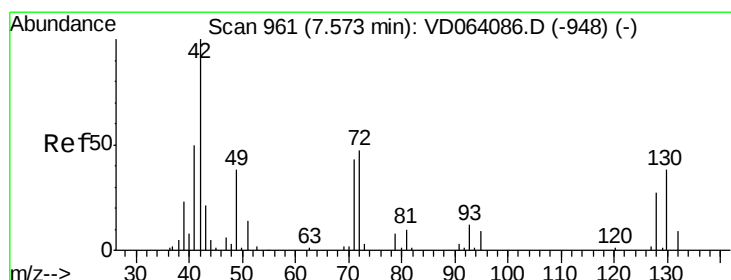
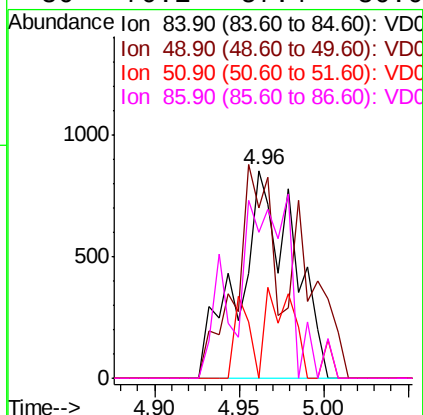
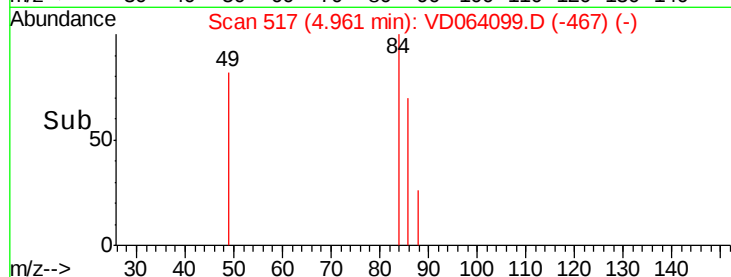
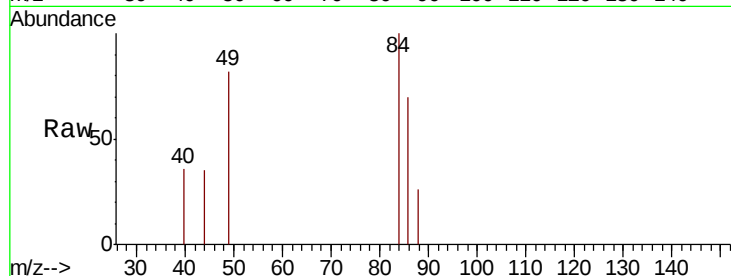
Delta R.T. -0.01 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	1919
Ion	Ratio	Lower	Upper
84	100		
49	82.2	79.4	119.0
51	0.0	27.4	41.2#
86	70.1	57.4	86.0



#29

Tetrahydrofuran

Concen: 5.710 ug/l

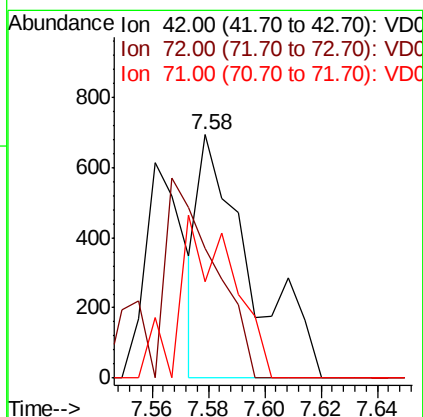
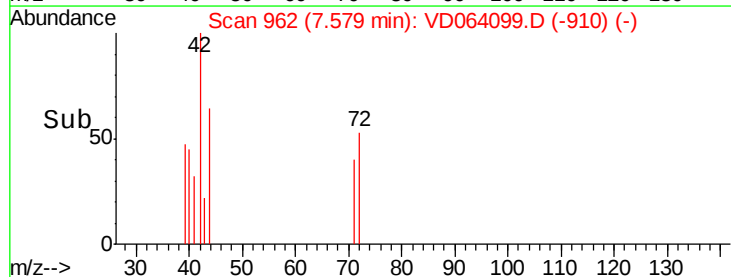
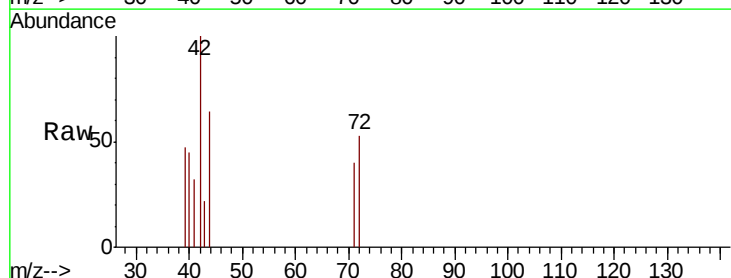
RT: 7.58 min Scan# 962

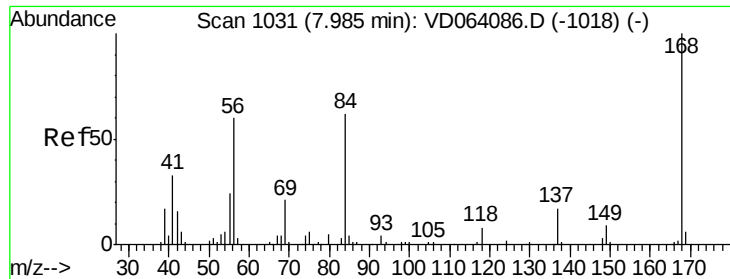
Delta R.T. 0.01 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

Tgt Ion:	42	Resp:	876
Ion	Ratio	Lower	Upper
42	100		
72	93.8	38.9	58.3#
71	70.1	35.4	53.2#

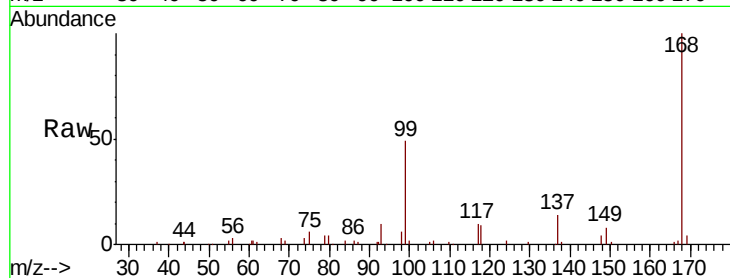




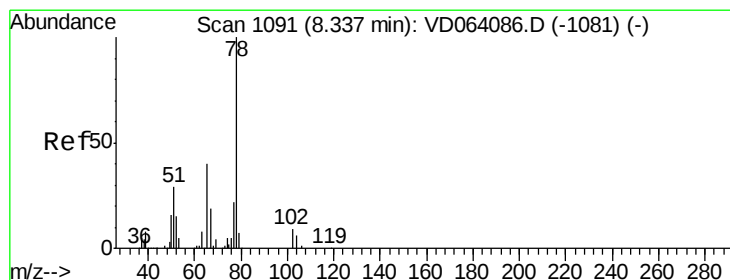
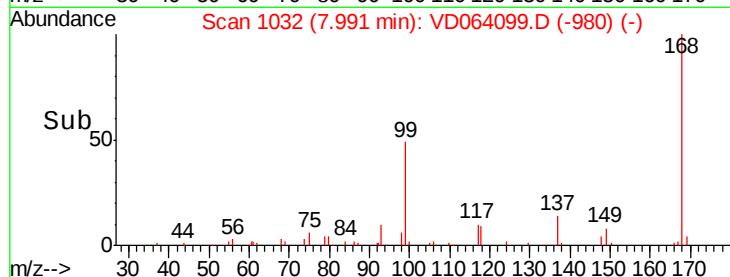
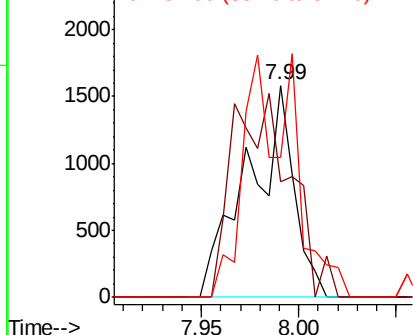
#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 2581
Ion Ratio Lower Upper
56 100
69 54.6 27.7 41.5#
84 66.2 83.1 124.7#

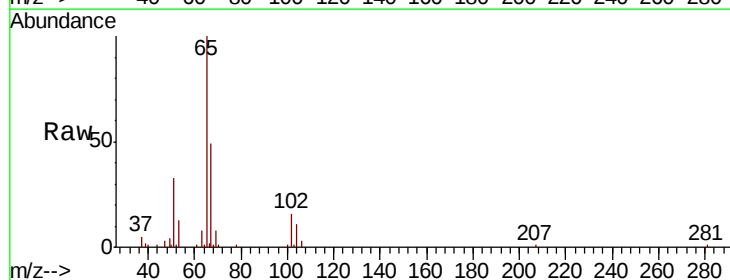


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

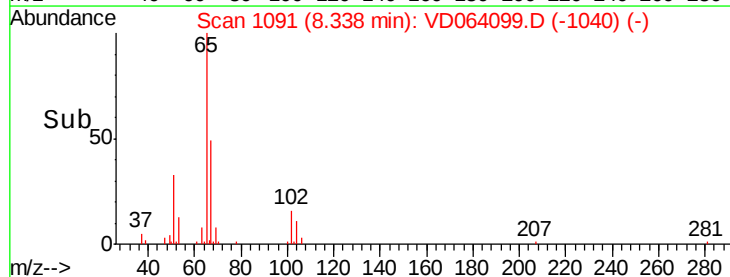
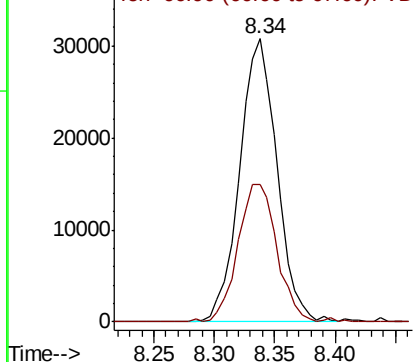


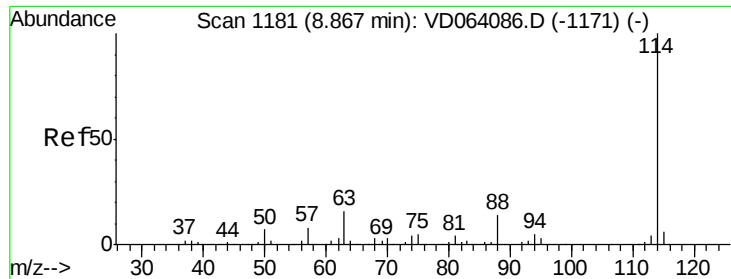
#33
1,2-Dichloroethane-d4
Concen: 66.292 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

Tgt Ion: 65 Resp: 66247
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6



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

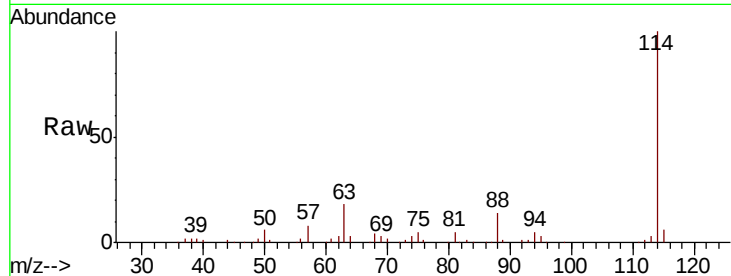




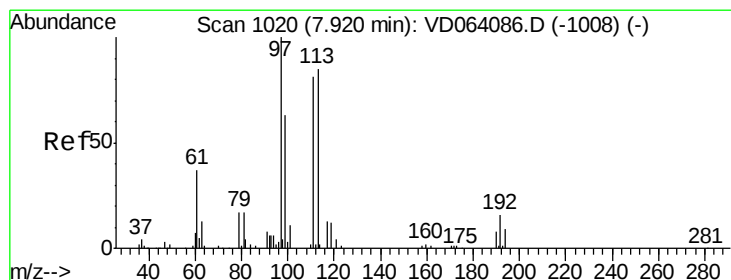
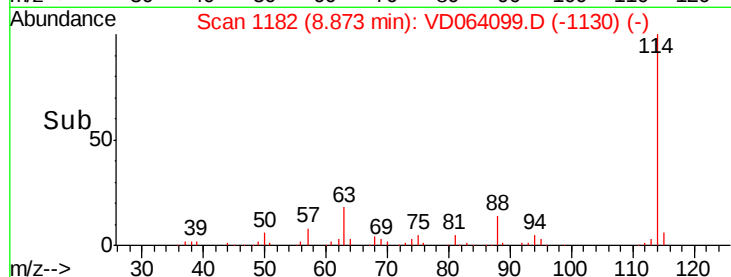
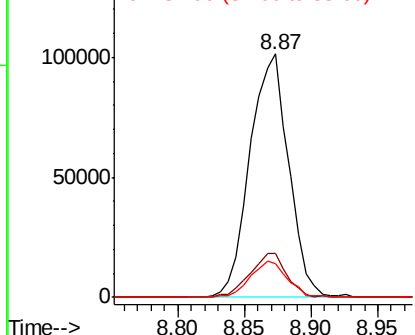
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064099.D
 Acq: 29 Oct 2019 20:07

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	32.8
88	13.6	0.0	27.6

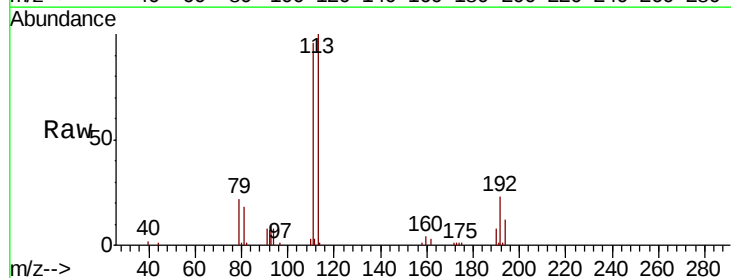


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

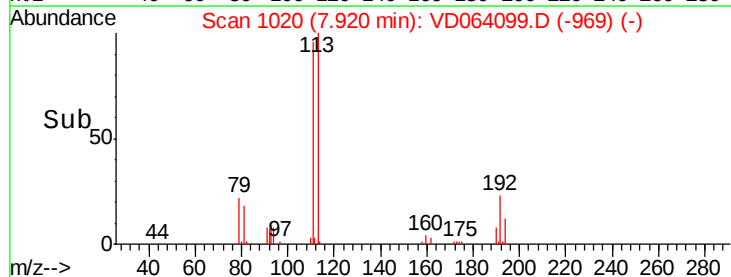
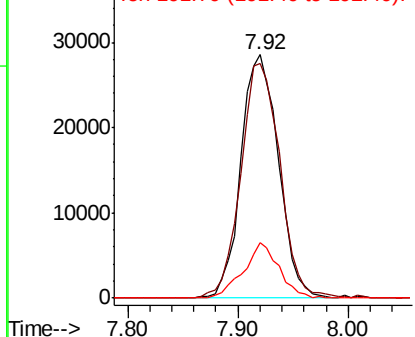


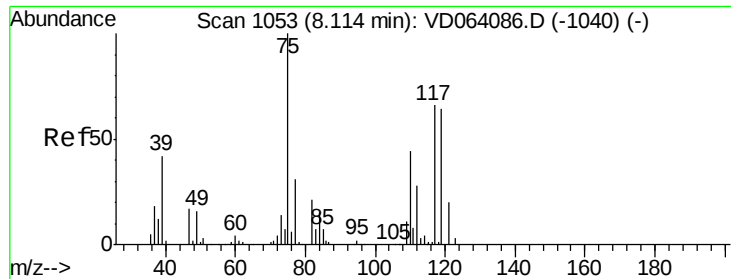
#35
 Dibromofluoromethane
 Concen: 54.512 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064099.D
 Acq: 29 Oct 2019 20:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.3	118.9
192	21.4	16.2	24.2



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

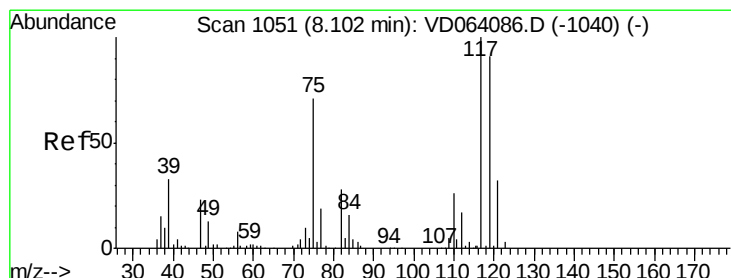
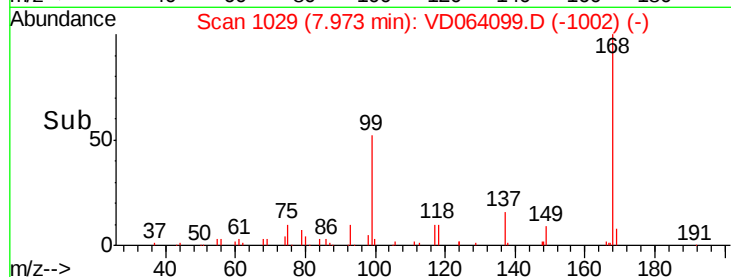
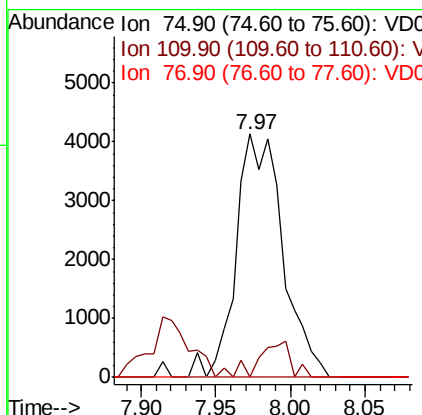
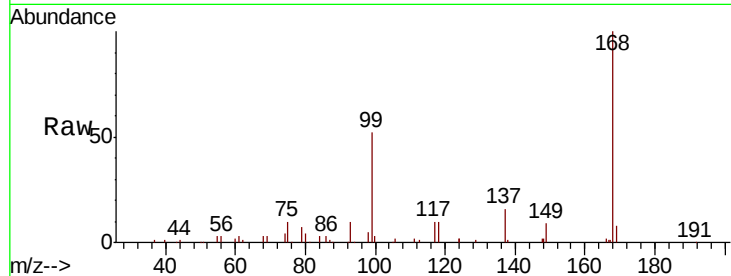




#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD064099.D
 Acq: 29 Oct 2019 20:07

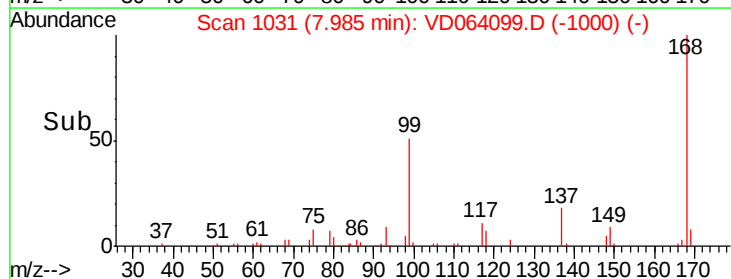
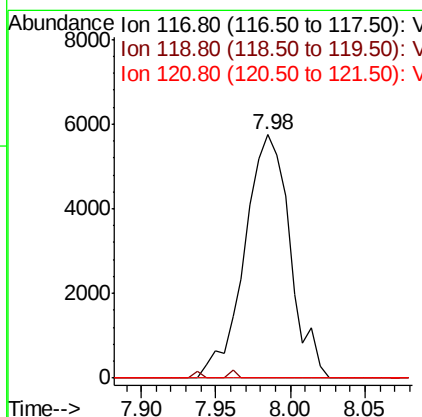
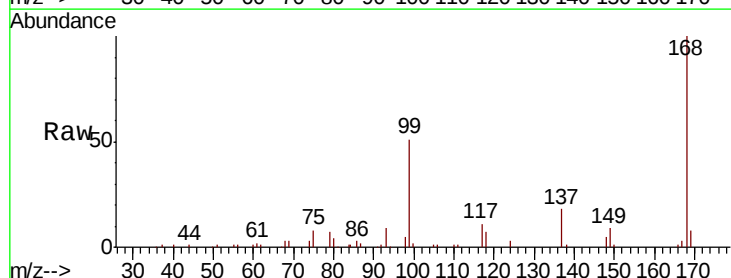
Instrument :
 MSVOA_D
 ClientSampled :

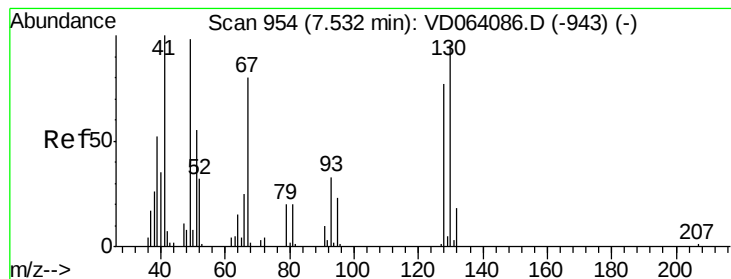
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.796 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD064099.D
 Acq: 29 Oct 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	72.6	108.8#
121	0.0	25.8	38.6#





#41

Methacrylonitrile

Concen: 2.183 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 740

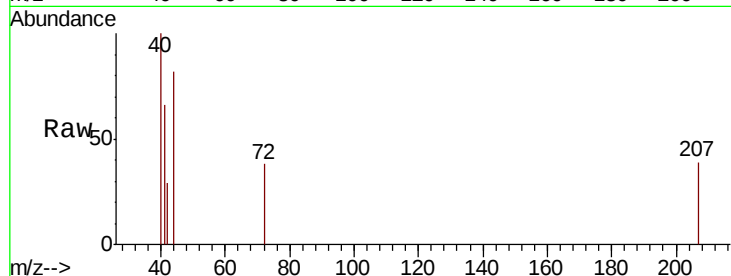
Ion Ratio Lower Upper

41 100

39 80.8 41.0 61.4#

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

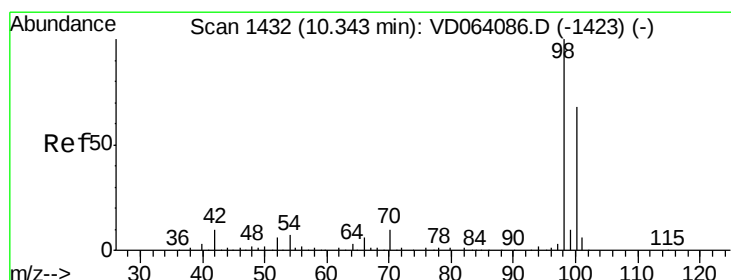
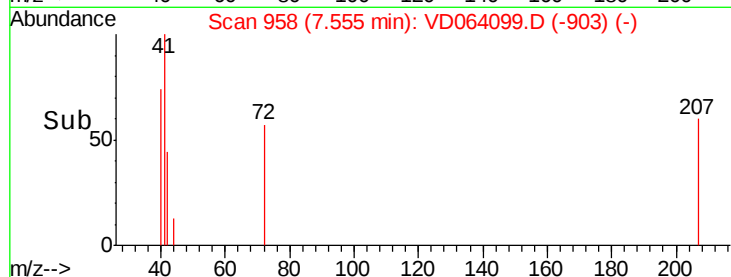
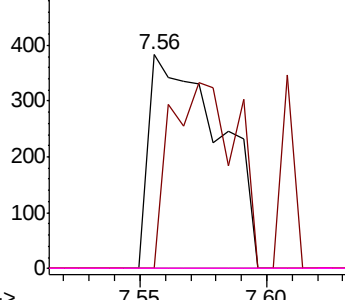


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 49.053 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064099.D

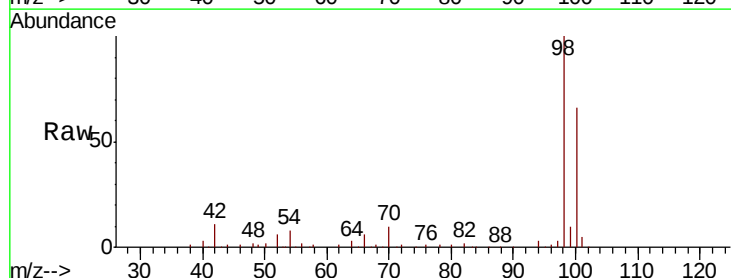
Acq: 29 Oct 2019 20:07

Tgt Ion: 98 Resp: 245807

Ion Ratio Lower Upper

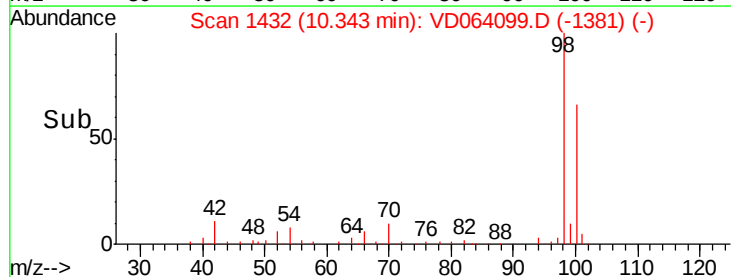
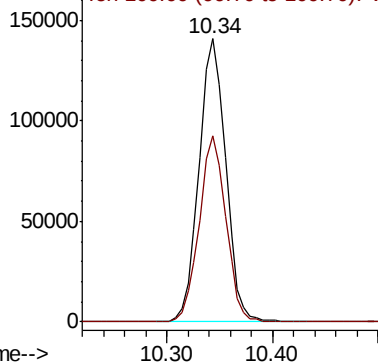
98 100

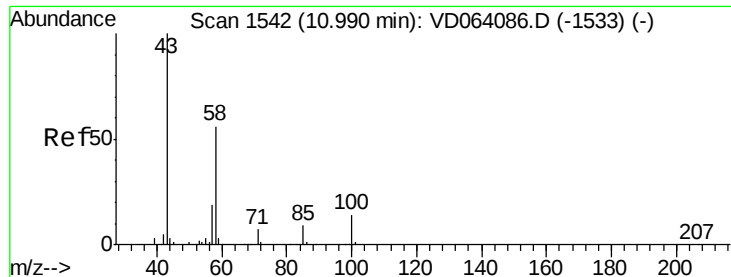
100 65.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

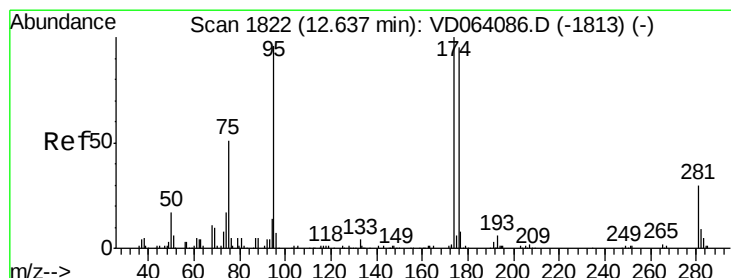
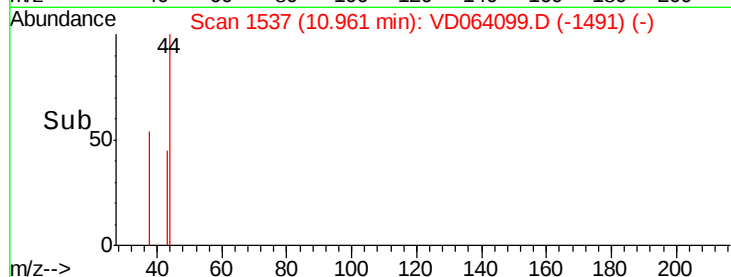
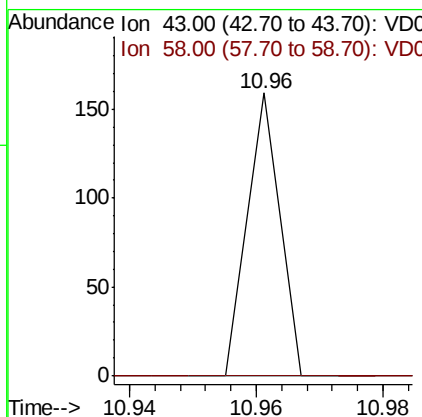
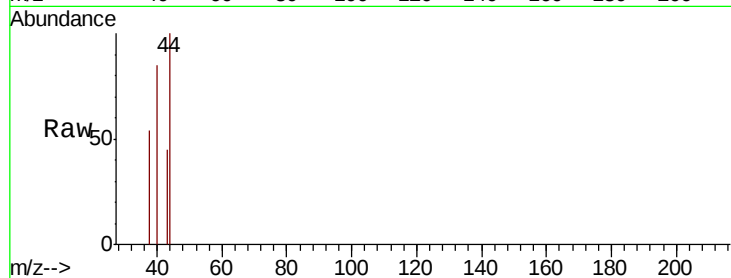




#59
2-Hexanone
Concen: 9.121 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.03 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

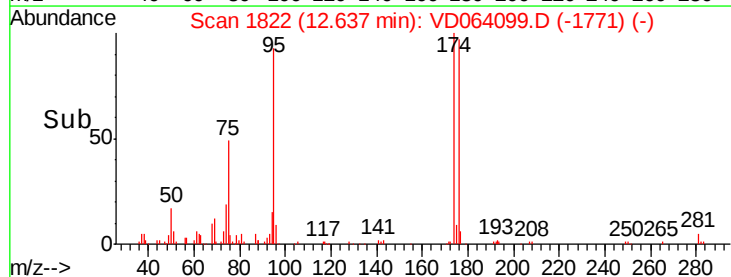
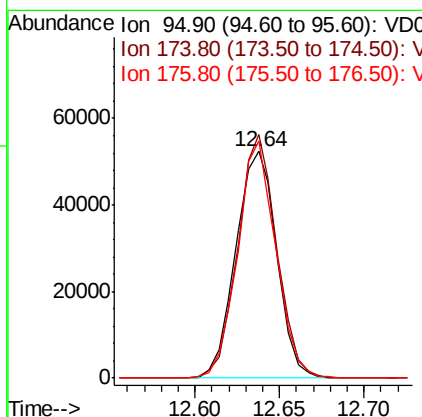
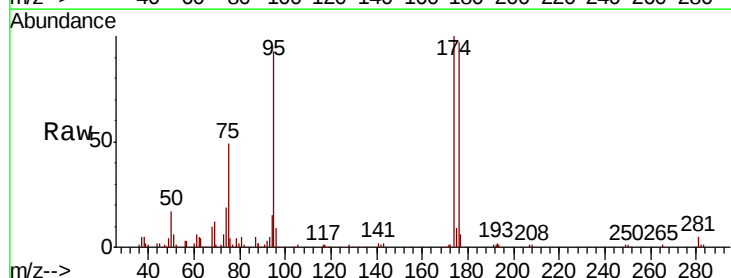
Instrument :
MSVOA_D
ClientSampleId :

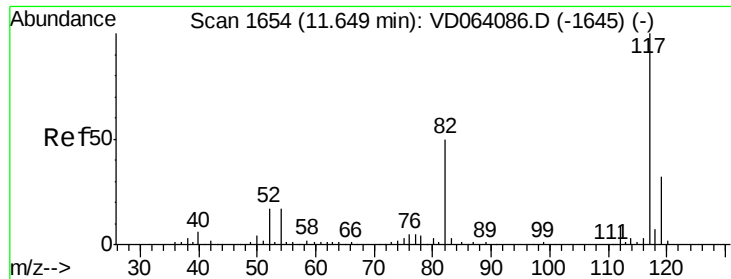
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 52.721 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

Tgt Ion: 95 Resp: 87585
Ion Ratio Lower Upper
95 100
174 102.3 0.0 201.6
176 98.0 0.0 192.6

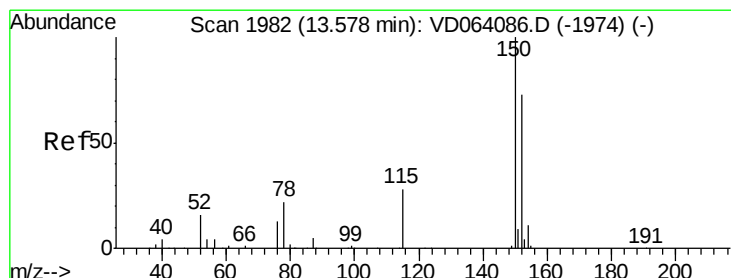
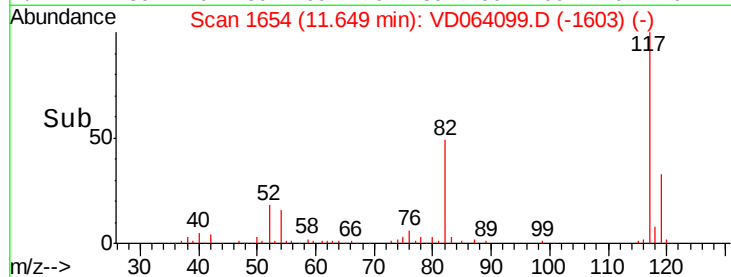
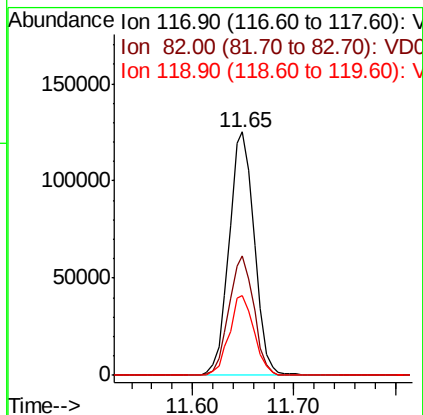
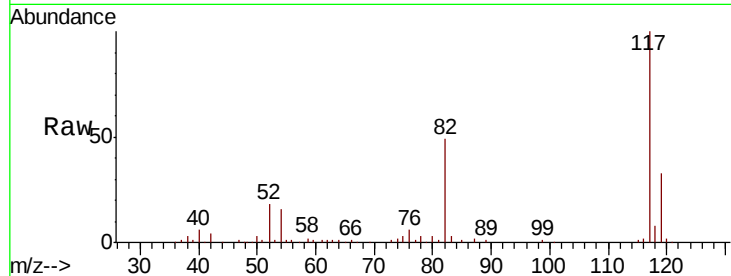




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

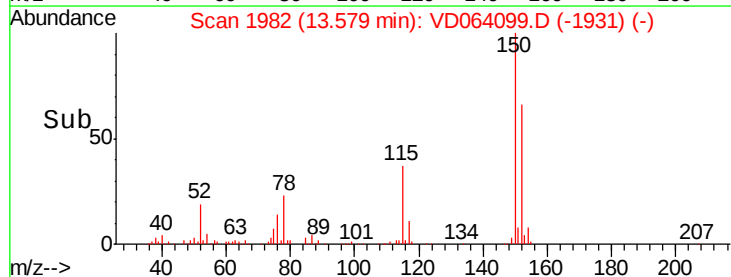
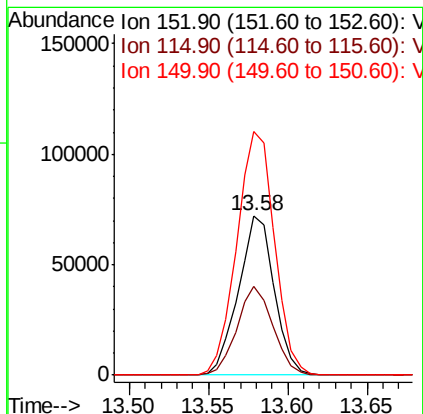
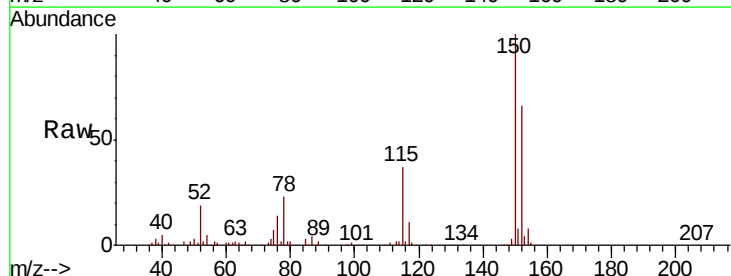
Instrument :
MSVOA_D
ClientSampleId :

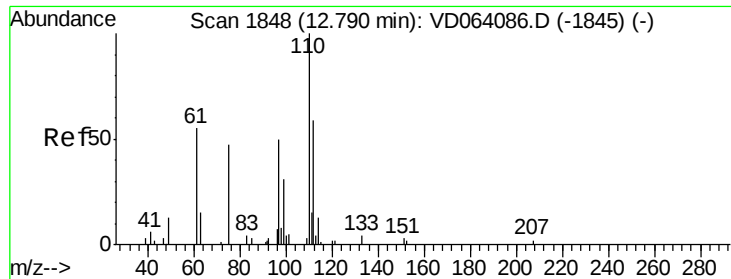
Tot Ion:117 Resp: 216017
Ion Ratio Lower Upper
117 100
82 49.1 40.2 60.4
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064099.D
Acq: 29 Oct 2019 20:07

Tgt Ion:152 Resp: 112673
Ion Ratio Lower Upper
152 100
115 55.8 26.2 78.6
150 161.2 0.0 338.8





#76

1,2,3-Trichloropropane

Concen: 62.942 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

Instrument :

MSVOA_D

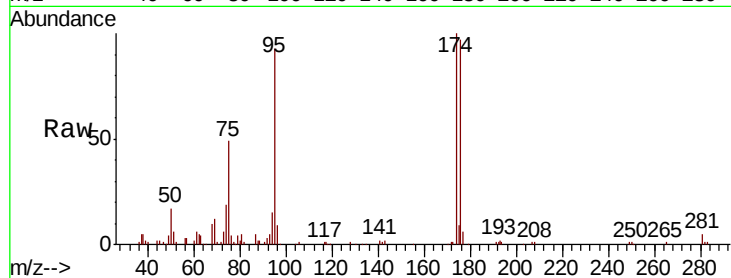
ClientSampled :

Tot Ion: 75 Resp: 47653

Ion Ratio Lower Upper

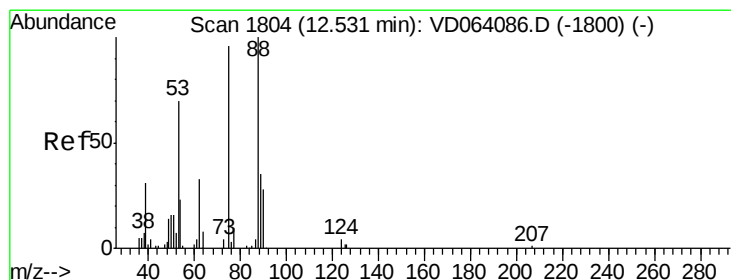
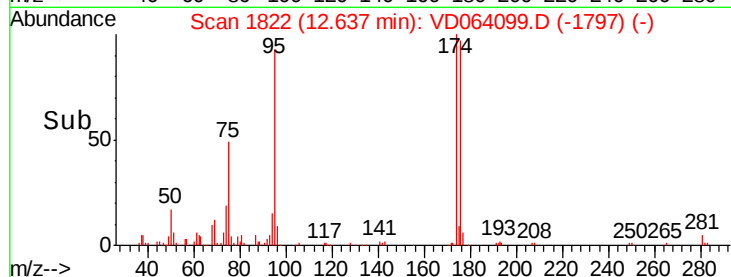
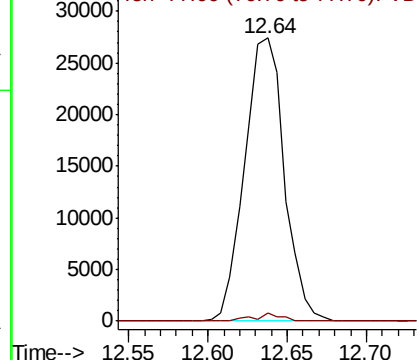
75 100

77 1.9 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: 128.543 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064099.D

Acq: 29 Oct 2019 20:07

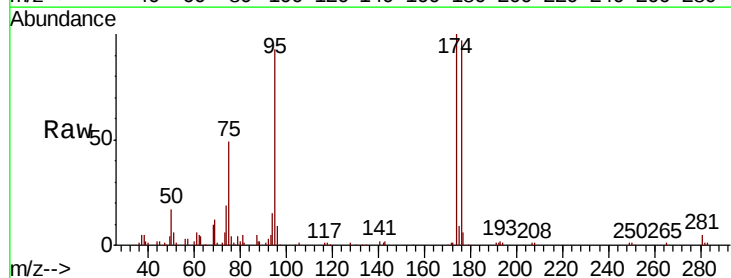
Tgt Ion: 75 Resp: 47653

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.9 55.3#



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

