

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063934.D
 Acq On : 11 Oct 2019 13:49
 Operator : VA/SY
 Sample : K5298-04
 Misc : 7.22G/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	161730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	293450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	286435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134812	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	88810	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
35) Dibromofluoromethane	7.92	113	89397	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.34	98	378522	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.63	95	117479	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

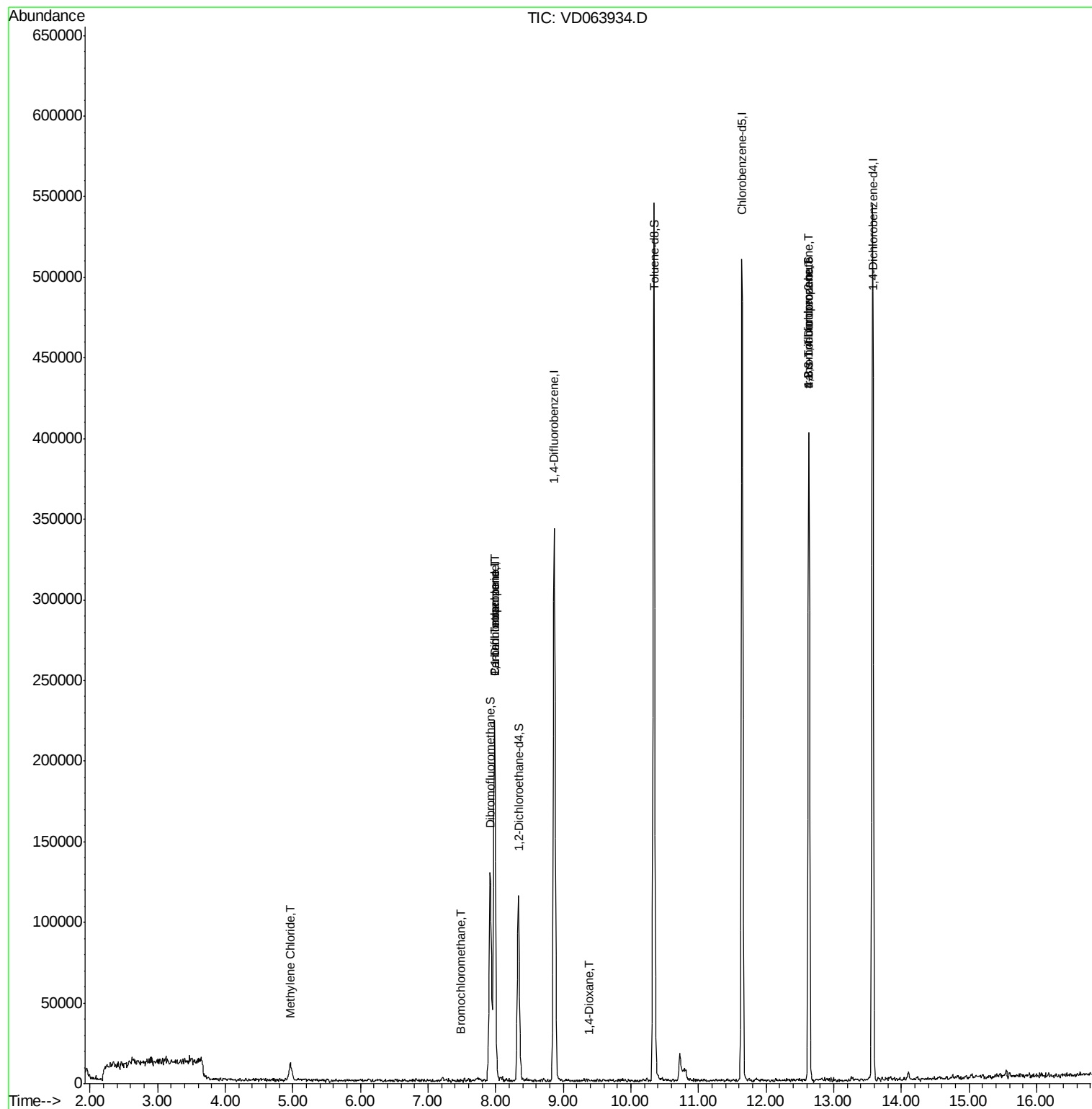
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	586	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	67	Below Cal	#	1
20) Methylene Chloride	4.96	84	7494	1.181	ug/l #	80
28) Bromochloromethane	7.47	49	68	1.925	ug/l #	10
31) Cyclohexane	7.98	56	4129	Below Cal	#	32
36) 1,1-Dichloropropene	7.98	75	13054	4.865	ug/l #	50
37) Ethyl Acetate	7.26	43	107	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14349	5.292	ug/l #	22
49) 1,4-Dioxane	9.39	88	70	4.785	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	63478	70.302	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	63478	124.406	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.63	75	54	Below Cal	#	1

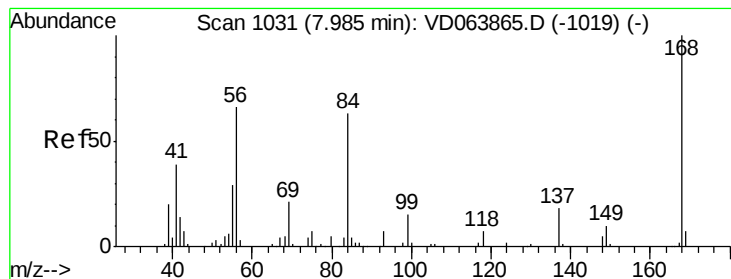
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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QLast Update : Sat Oct 05 03:51:17 2019
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: VD063934.D

Acq: 11 Oct 2019 13:49

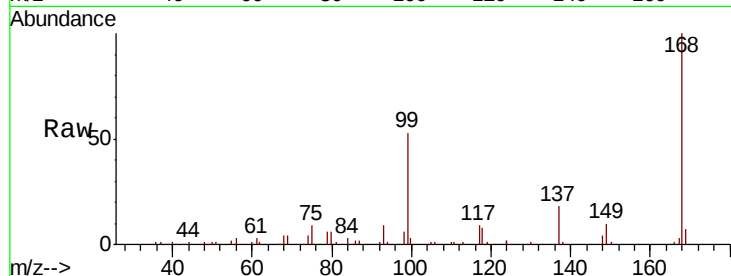
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 161730

Ion Ratio Lower Upper

168 100

99 53.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

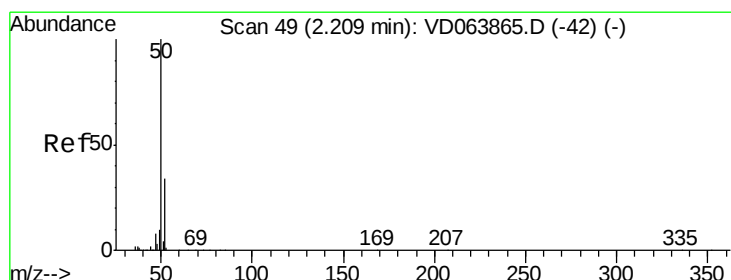
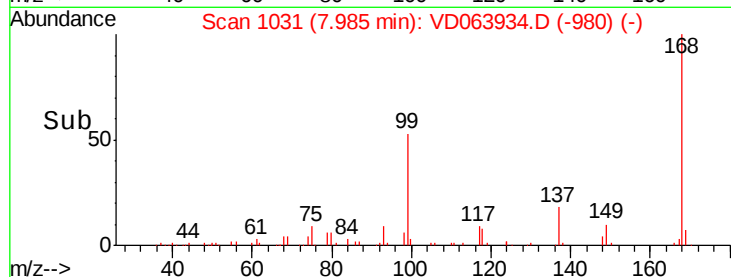
40000

20000

0

Time-->

7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063934.D

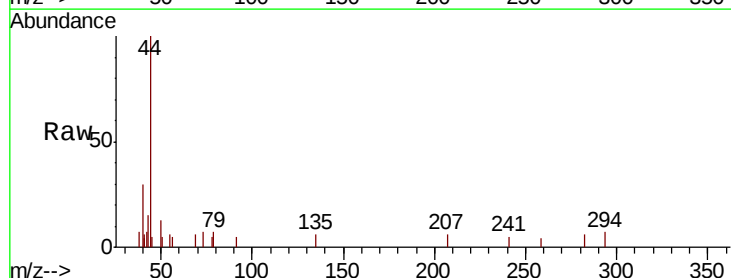
Acq: 11 Oct 2019 13:49

Tgt Ion: 50 Resp: 586

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

500

400

300

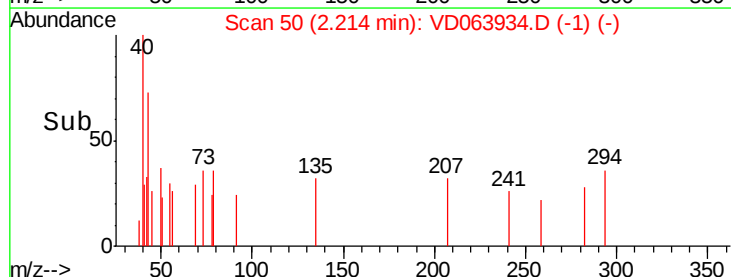
200

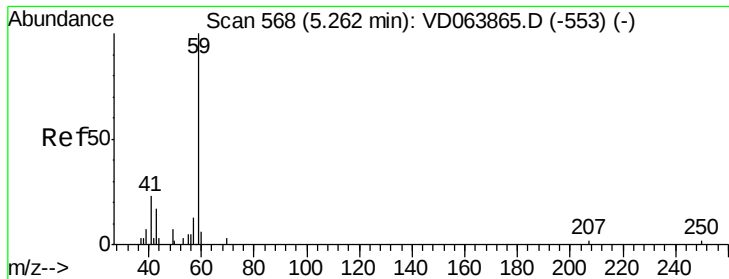
100

0

Time-->

2.16 2.18 2.20 2.22 2.24

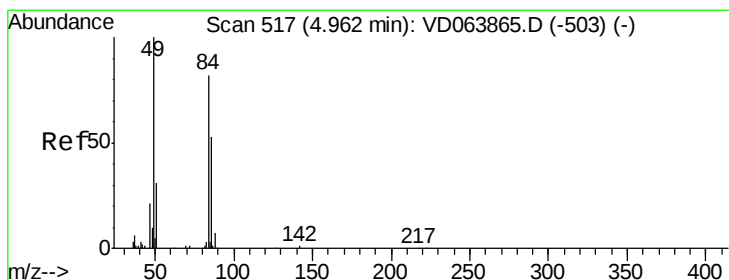
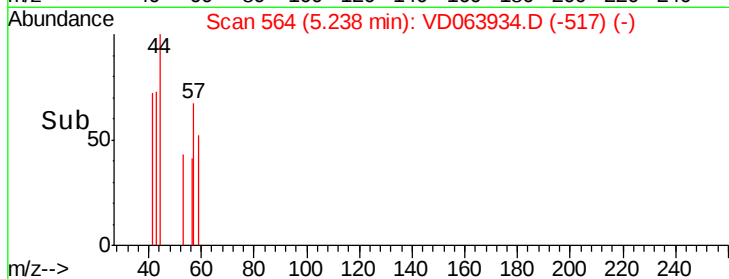
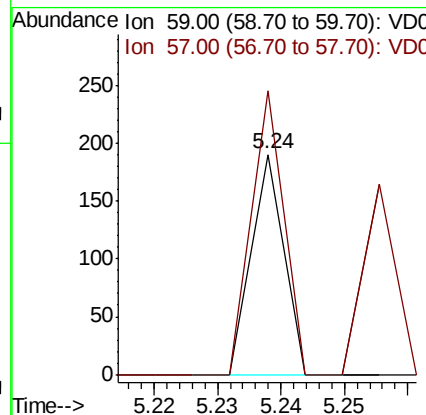
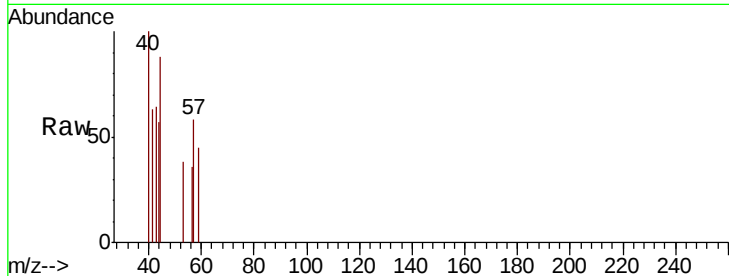




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

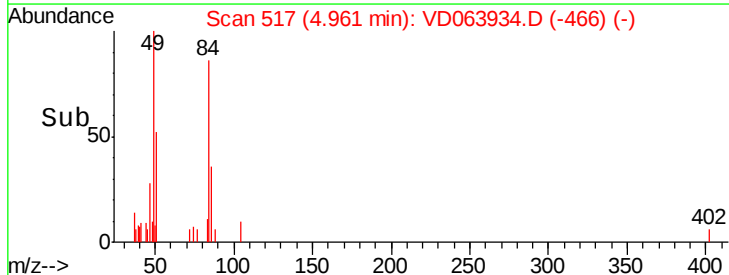
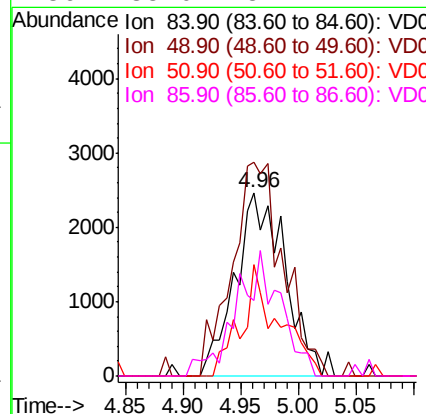
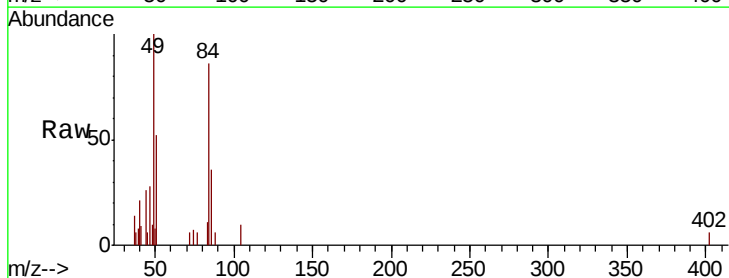
Instrument :
MSVOA_D
ClientSampleId :

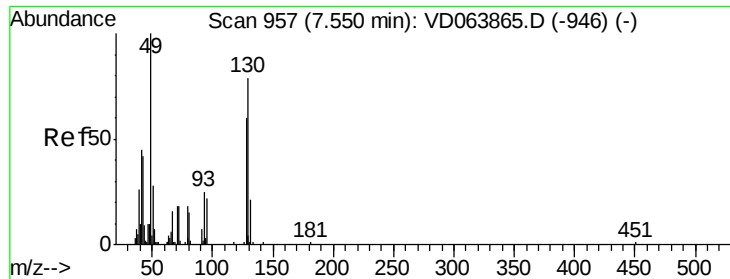
Tot Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 128.4 8.8 13.2#



#20
Methylene Chloride
Concen: 1.181 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

Tgt Ion: 84 Resp: 7494
Ion Ratio Lower Upper
84 100
49 116.3 97.3 145.9
51 60.5 30.1 45.1#
86 35.0 51.4 77.2#





#28

Bromochloromethane

Concen: 1.925 ug/l

RT: 7.47 min Scan# 944

Delta R.T. -0.08 min

Lab File: VD063934.D

Acq: 11 Oct 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :

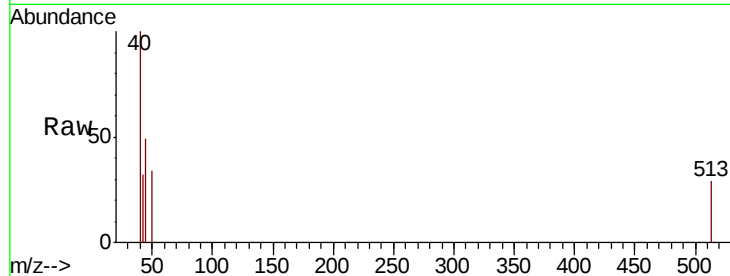
Tot Ion: 49 Resp: 68

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

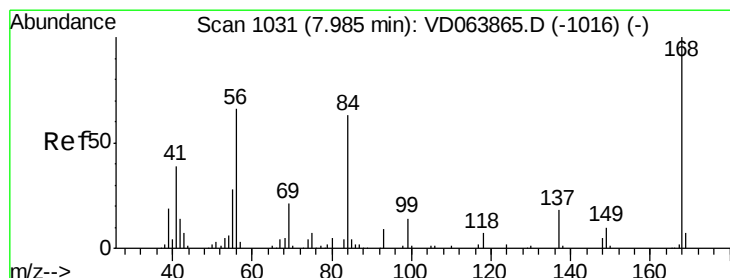
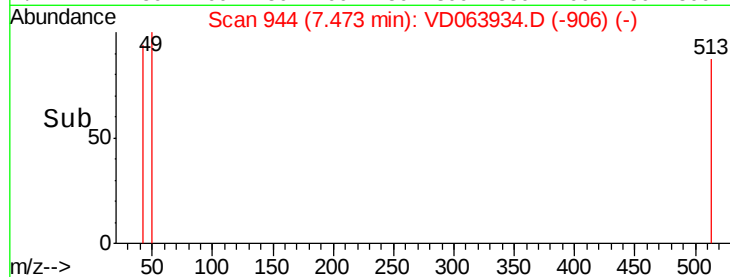
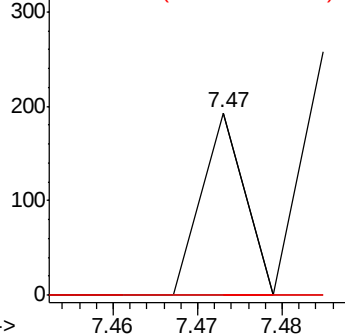
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063934.D

Acq: 11 Oct 2019 13:49

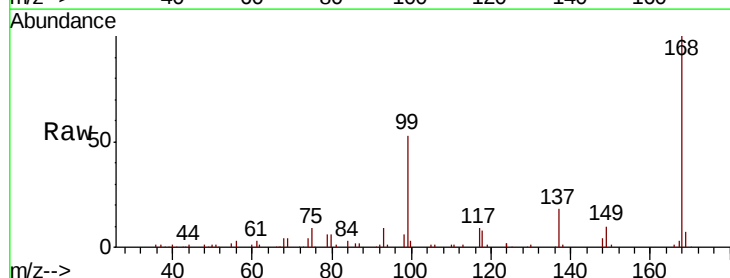
Tgt Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

69 145.7 25.0 37.4#

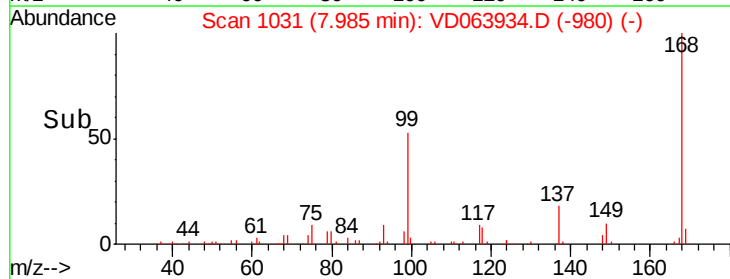
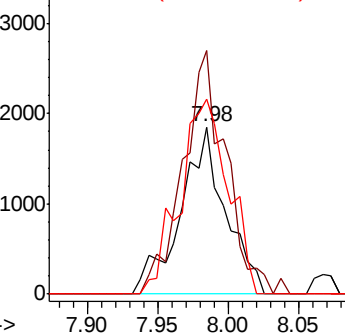
84 116.7 76.3 114.5#

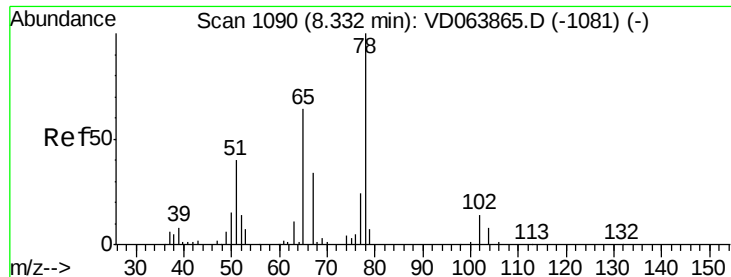


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.403 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063934.D

Acq: 11 Oct 2019 13:49

Instrument :

MSVOA_D

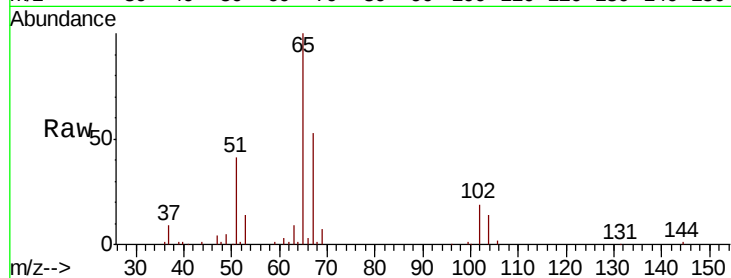
ClientSampleId :

Tot Ion: 65 Resp: 88810

Ion Ratio Lower Upper

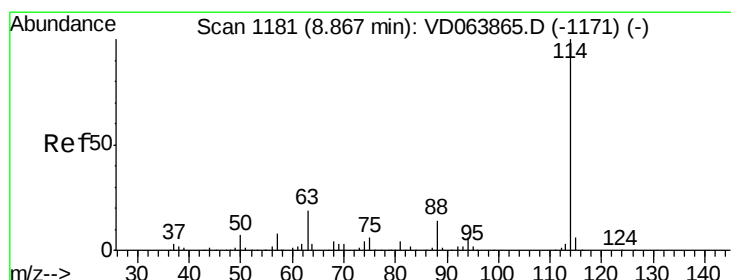
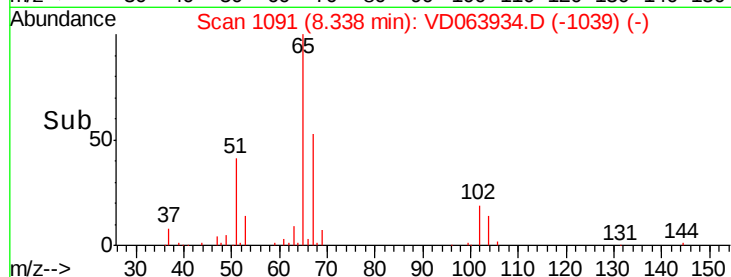
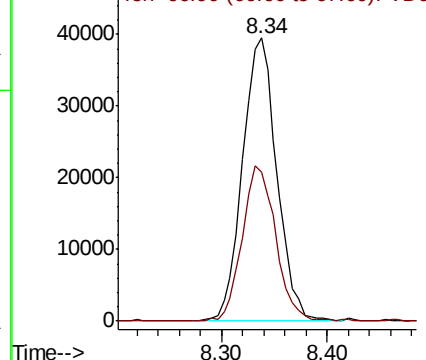
65 100

67 53.6 0.0 106.4



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: VD063934.D

Acq: 11 Oct 2019 13:49

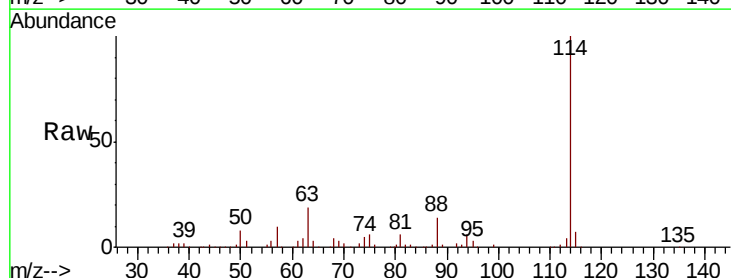
Tgt Ion: 114 Resp: 293450

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

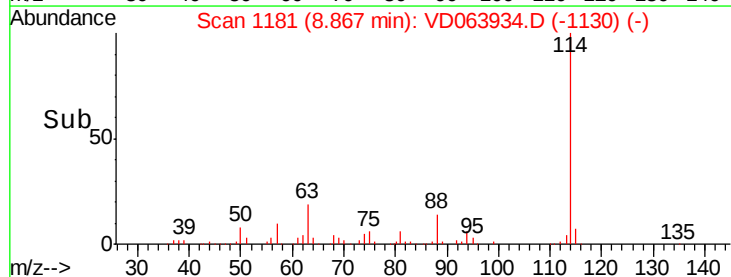
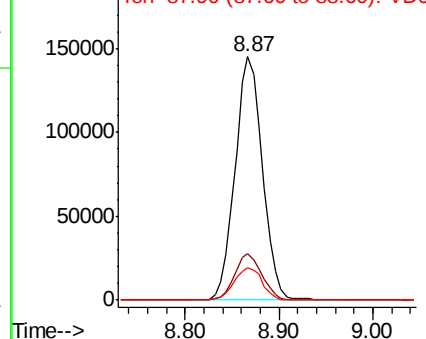
88 13.5 0.0 27.4

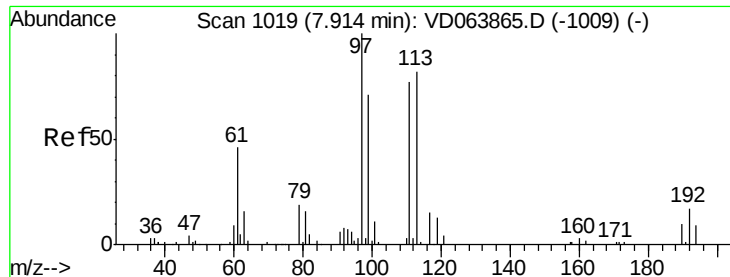


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

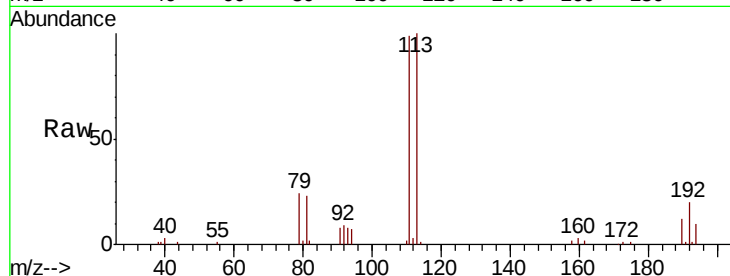




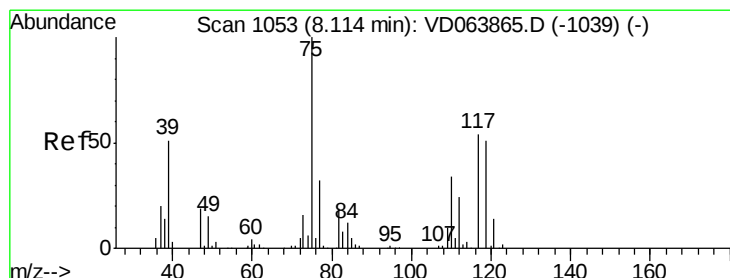
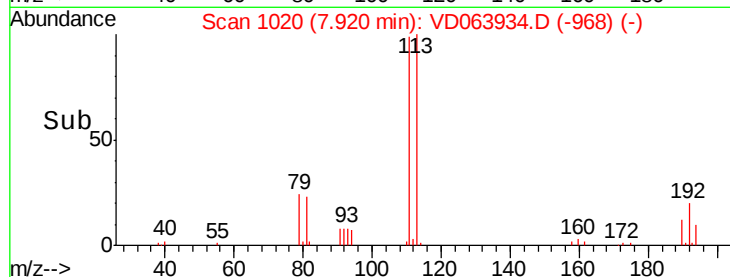
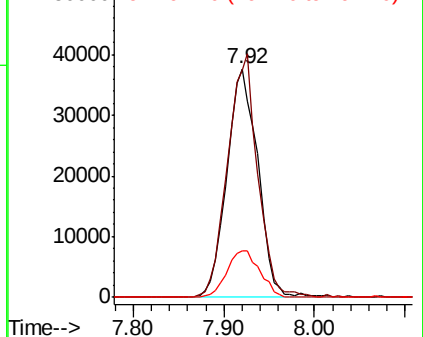
#35
 Dibromofluoromethane
 Concen: 49.849 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063934.D
 Acq: 11 Oct 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 89397
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.6 123.8
 192 21.6 17.1 25.7

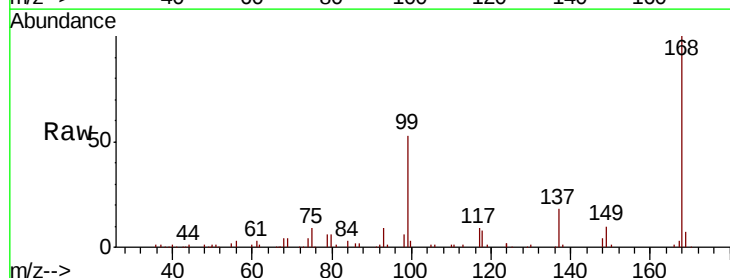


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

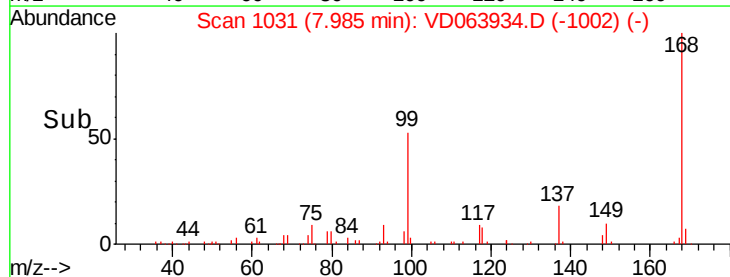
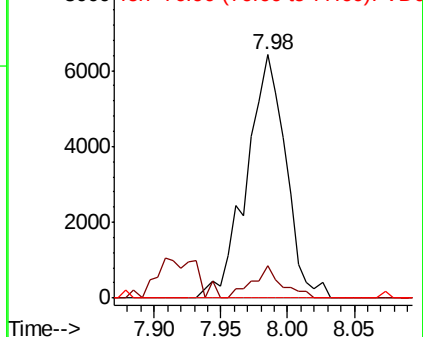


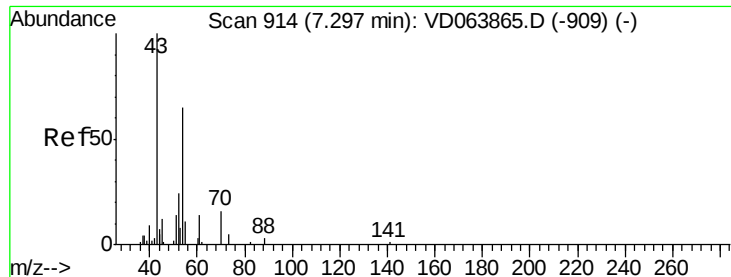
#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063934.D
 Acq: 11 Oct 2019 13:49

Tgt Ion: 75 Resp: 13054
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.4 52.3#
 77 0.0 25.4 38.0#



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

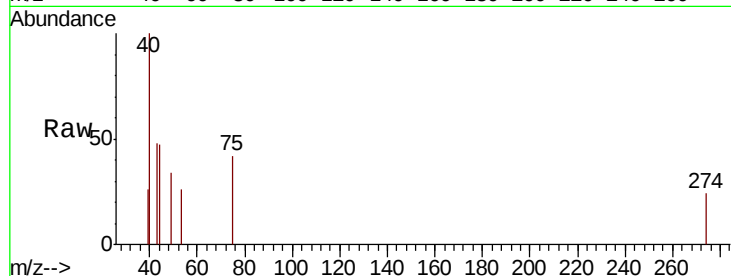




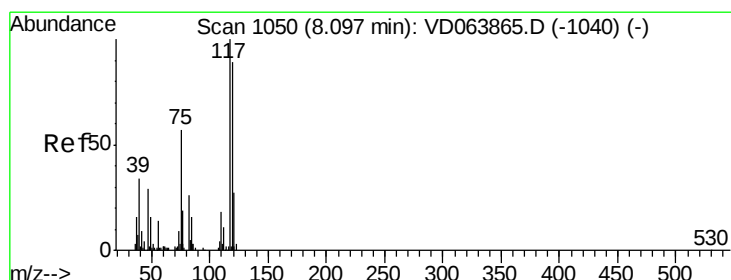
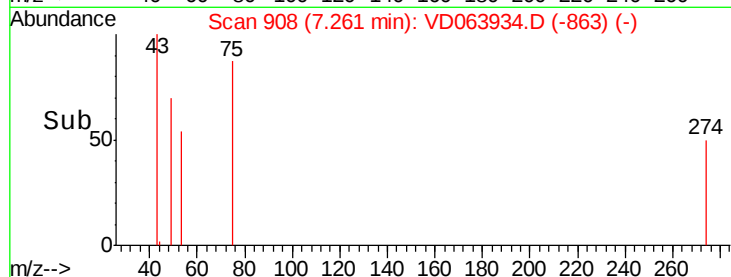
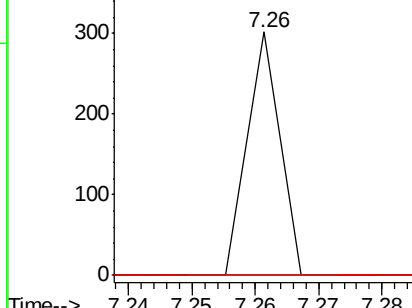
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.26 min Scan# 908
Delta R.T. -0.03 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

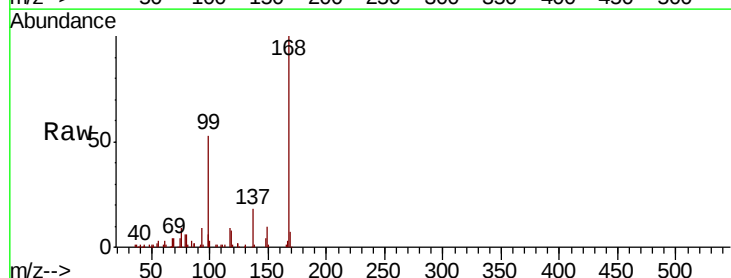


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

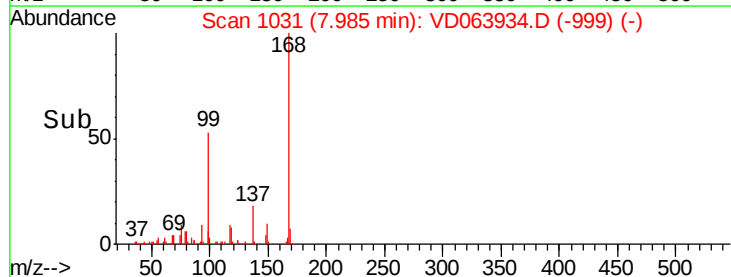
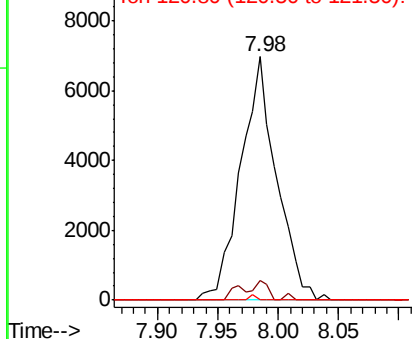


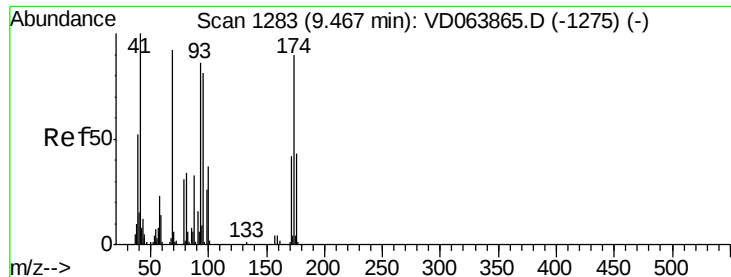
#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

Tgt Ion: 117 Resp: 14349
Ion Ratio Lower Upper
117 100
119 8.0 70.8 106.2#
121 0.0 21.4 32.0#



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

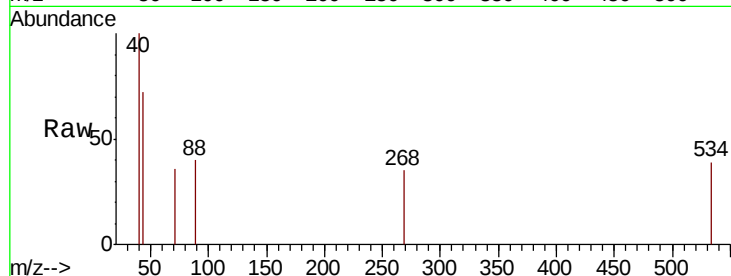




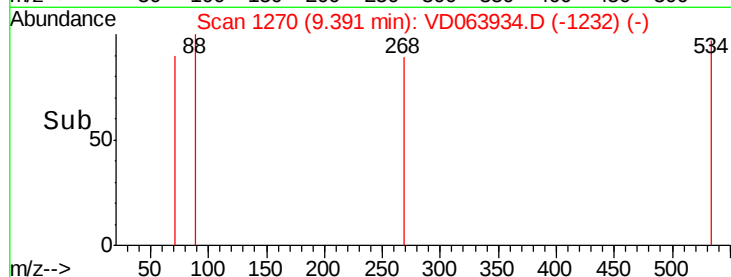
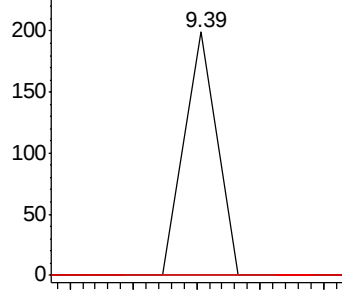
#49
 1,4-Dioxane
 Concen: 4.785 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.08 min
 Lab File: VD063934.D
 Acq: 11 Oct 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleID :

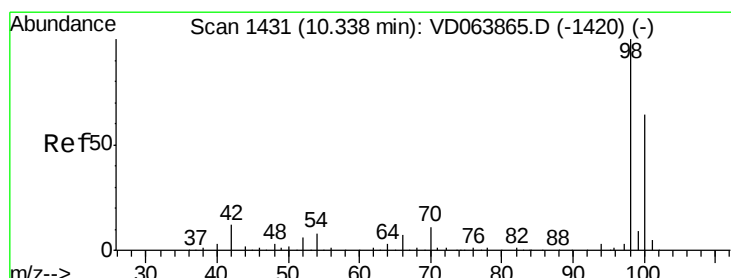
Tot Ion: 88 Resp: 70
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.6 41.4#
 58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

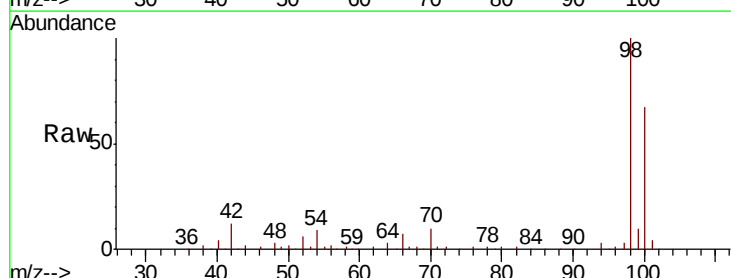


Time-->

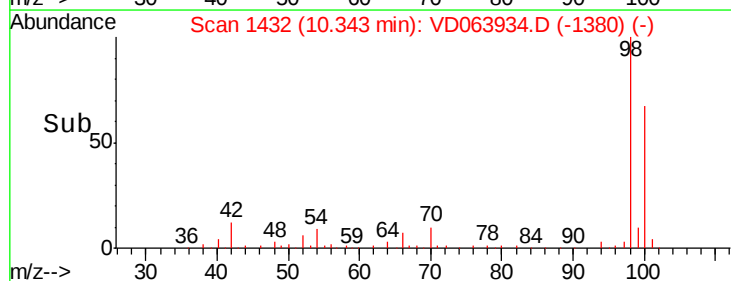
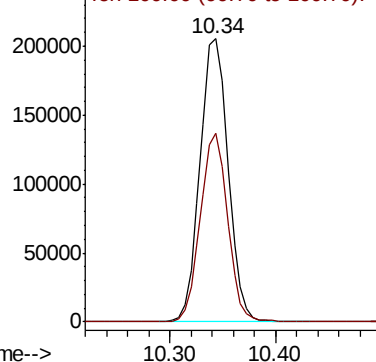


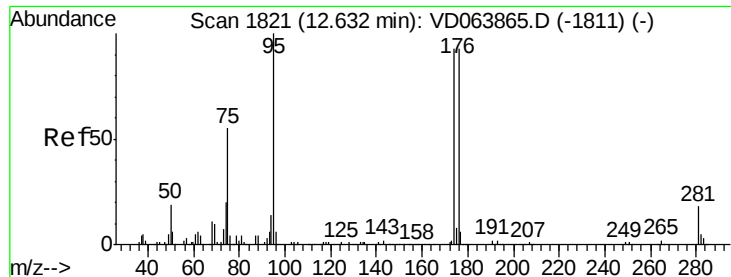
#50
 Toluene-d8
 Concen: 52.002 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063934.D
 Acq: 11 Oct 2019 13:49

Tgt Ion: 98 Resp: 378522
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.1 78.1



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

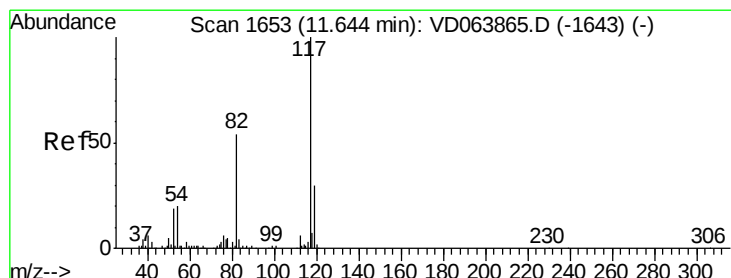
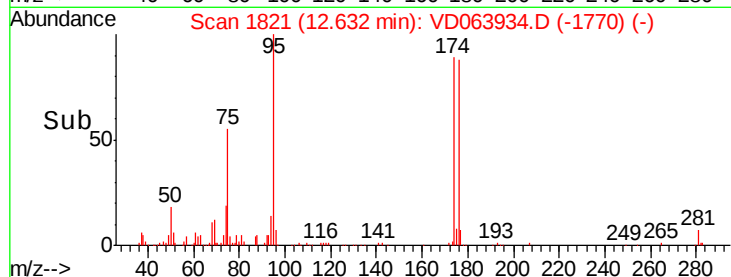
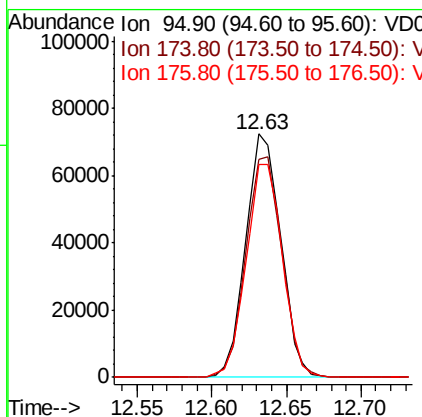
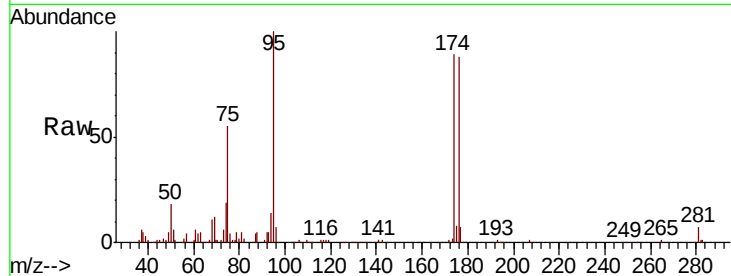




#62
4-Bromofluorobenzene
Concen: 46.445 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

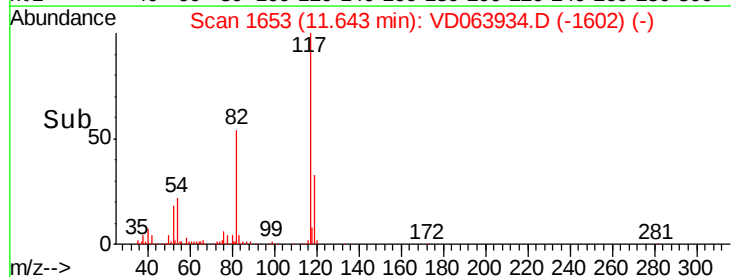
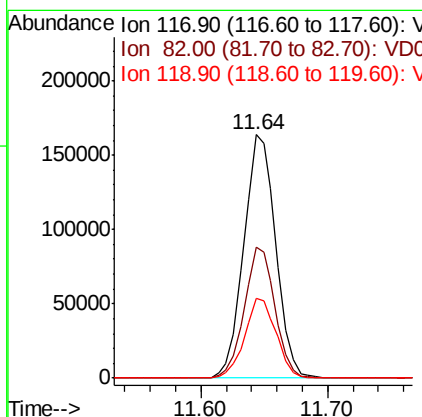
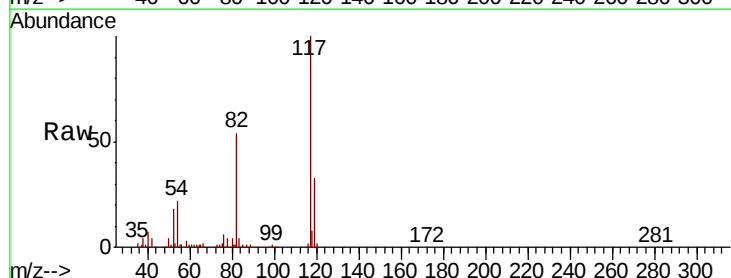
Instrument :
MSVOA_D
ClientSampleId :

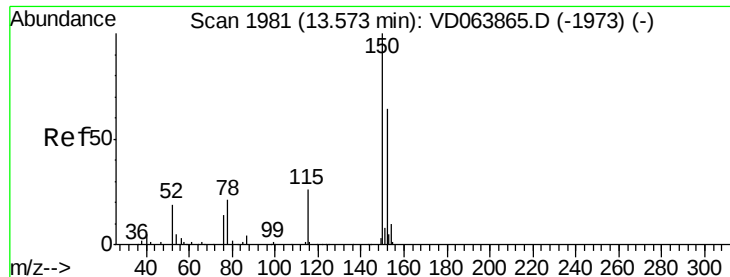
Tot Ion: 95 Resp: 117479
Ion Ratio Lower Upper
95 100
174 93.2 0.0 186.4
176 90.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

Tgt Ion: 117 Resp: 286435
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.5 24.4 36.6



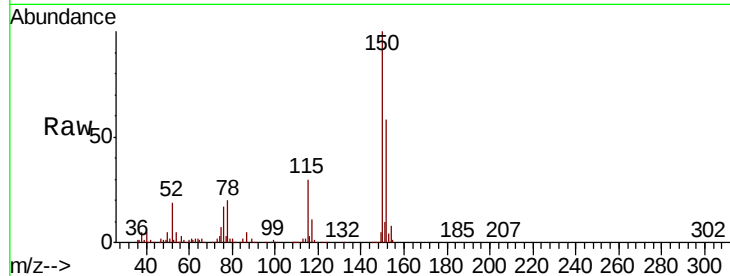


#72

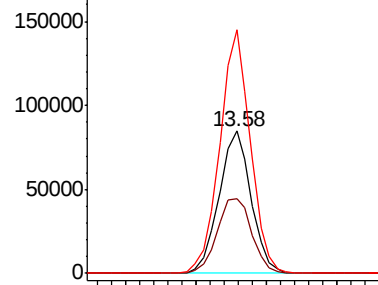
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :

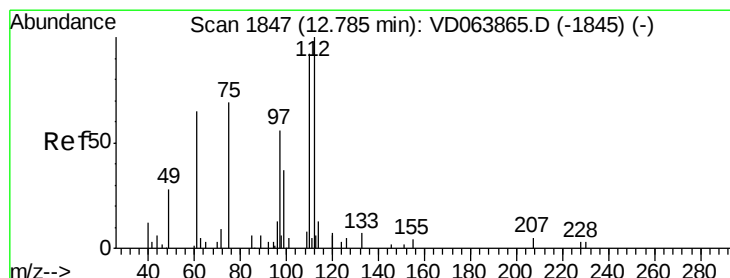
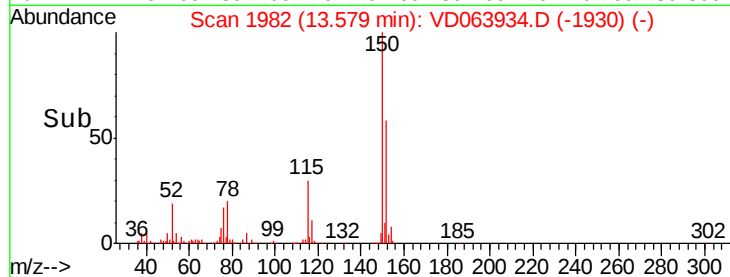
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	25.9	77.7
150	162.8	0.0	344.2



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



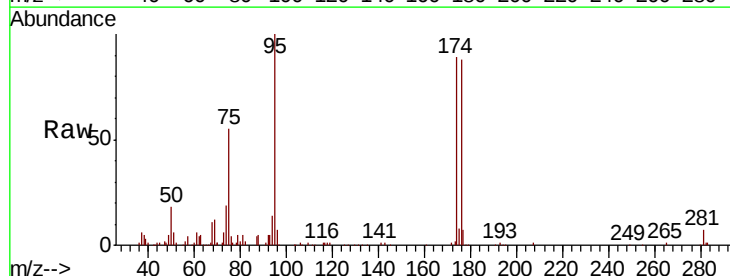
Time-->



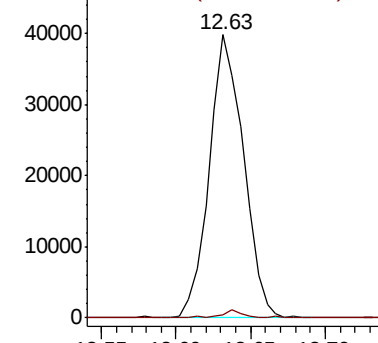
#76

1,2,3-Trichloropropane
Concen: 70.302 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD063934.D
Acq: 11 Oct 2019 13:49

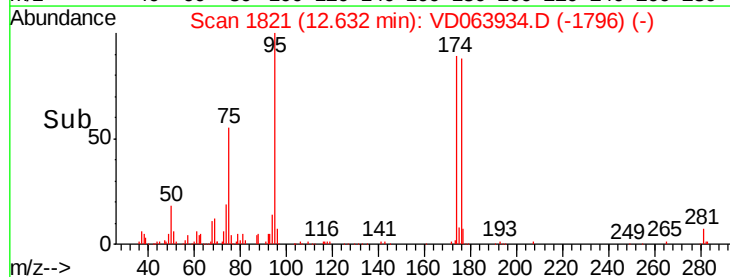
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

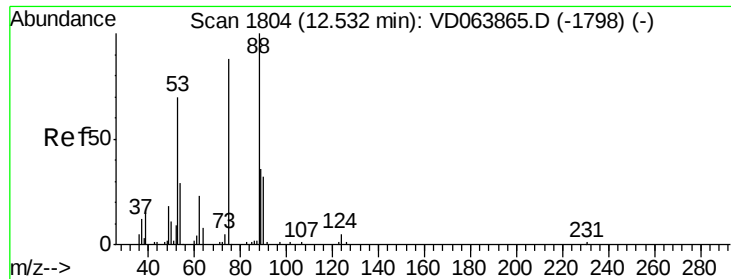


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 124.406 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063934.D

Acq: 11 Oct 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

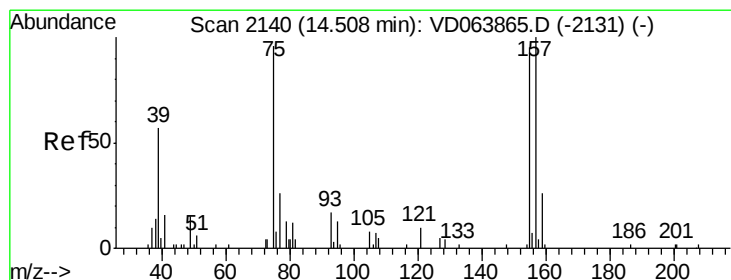
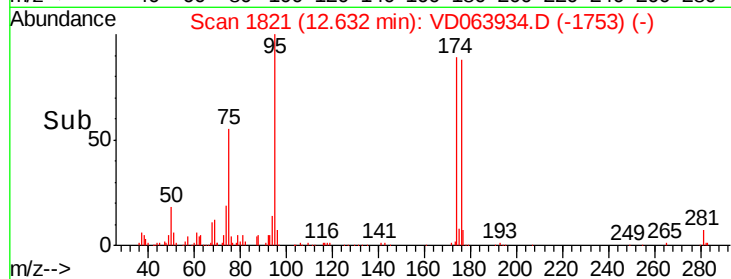
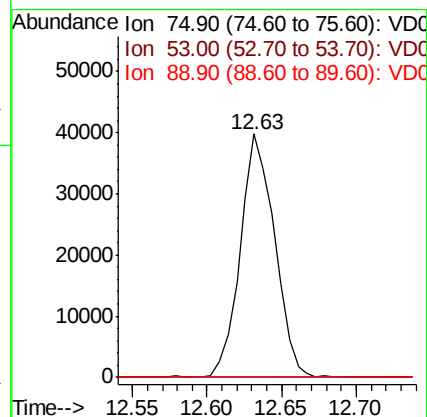
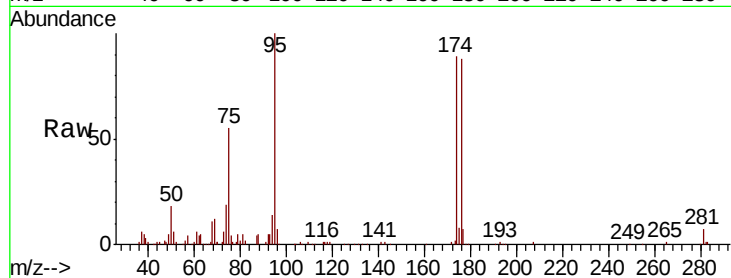
Tot Ion: 75 Resp: 63478

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.63 min Scan# 2161

Delta R.T. 0.12 min

Lab File: VD063934.D

Acq: 11 Oct 2019 13:49

Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

