

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064051.D
 Acq On : 24 Oct 2019 17:45
 Operator : VA/SY
 Sample : K5497-02RE
 Misc : 5.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:59:12 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	139771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	259884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	274700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130037	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	81278	59.73	ug/l	0.00
Spiked Amount			Recovery	=	119.46%	
35) Dibromofluoromethane	7.92	113	82888	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.34	98	351805	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.64	95	105593	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

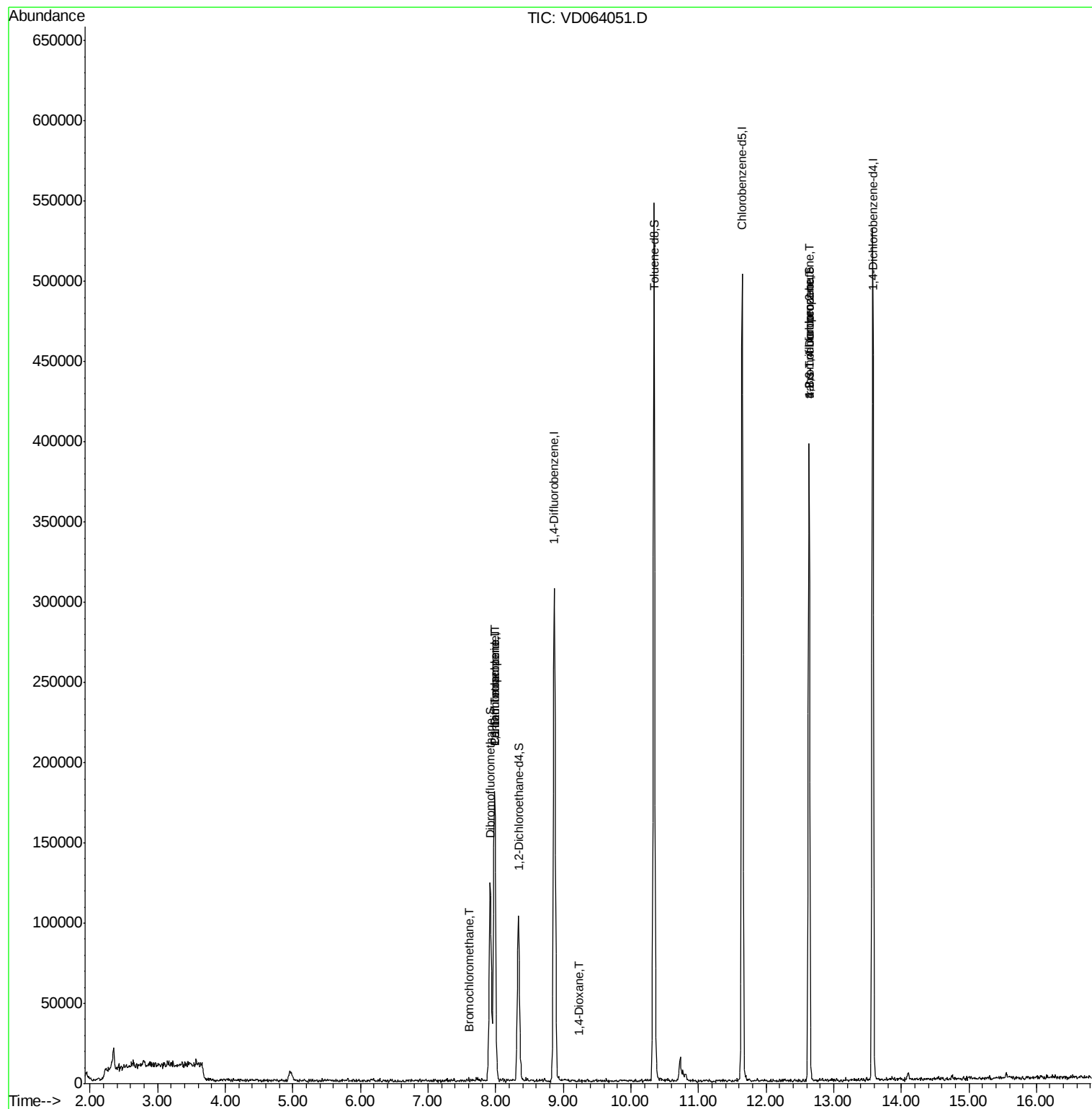
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	202	Below Cal	#	54
11) Tert butyl alcohol	5.26	59	56	Below Cal	#	71
20) Methylene Chloride	4.96	84	3855	Below Cal	#	67
28) Bromochloromethane	7.60	49	62	1.928	ug/l #	10
31) Cyclohexane	7.97	56	1500	Below Cal	#	90
36) 1,1-Dichloropropene	7.98	75	12158	5.117	ug/l #	52
37) Ethyl Acetate	7.32	43	139	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	13038	5.430	ug/l #	21
49) 1,4-Dioxane	9.24	88	62	4.785	ug/l #	62
76) 1,2,3-Trichloropropane	12.64	75	57481	65.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	57481	116.790	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58	Below Cal	#	1

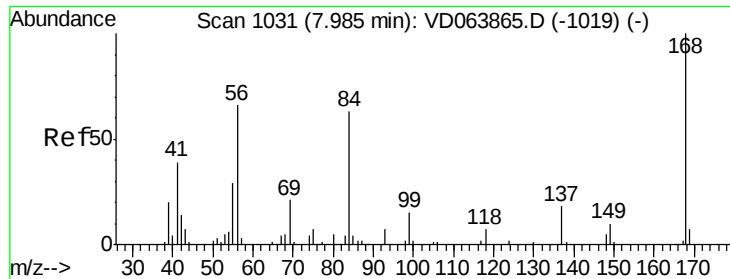
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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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: VD064051.D

Acq: 24 Oct 2019 17:45

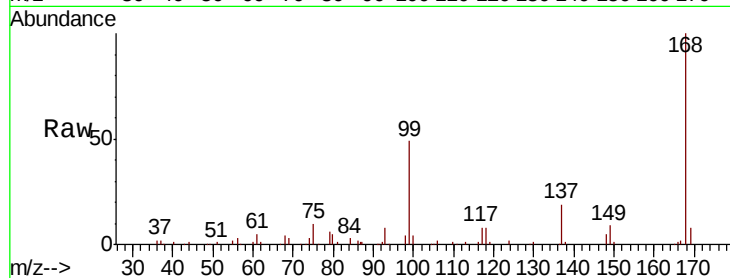
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 139771

Ion Ratio Lower Upper

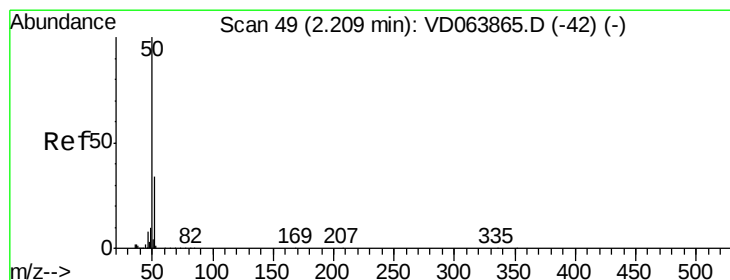
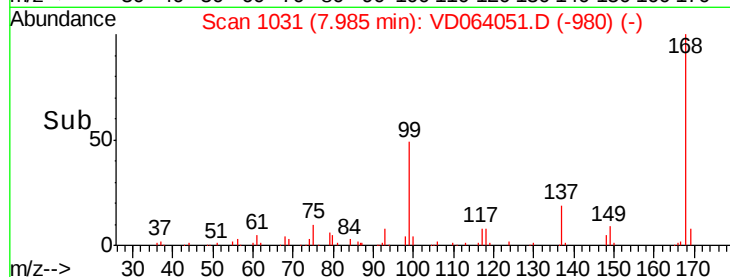
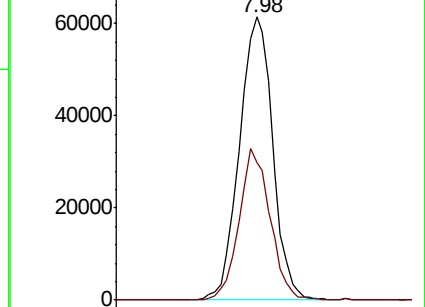
168 100

99 48.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064051.D

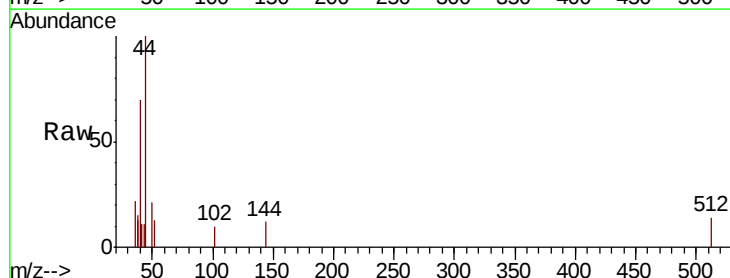
Acq: 24 Oct 2019 17:45

Tgt Ion: 50 Resp: 202

Ion Ratio Lower Upper

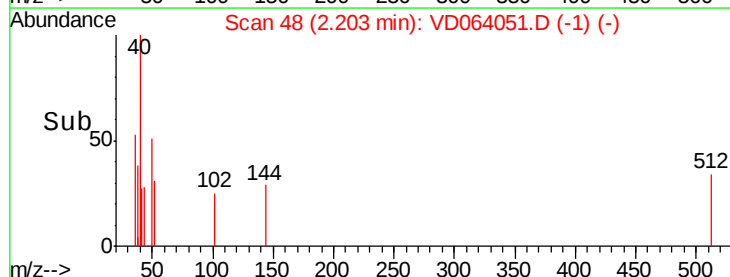
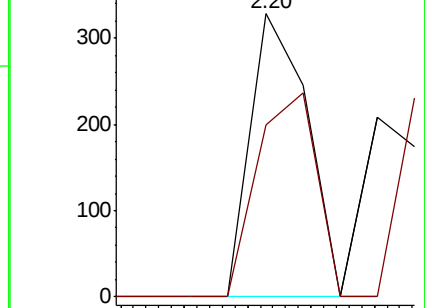
50 100

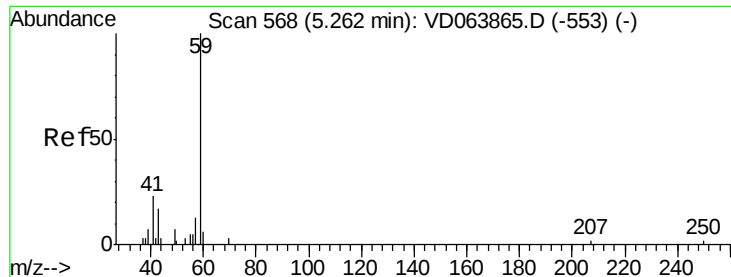
52 61.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



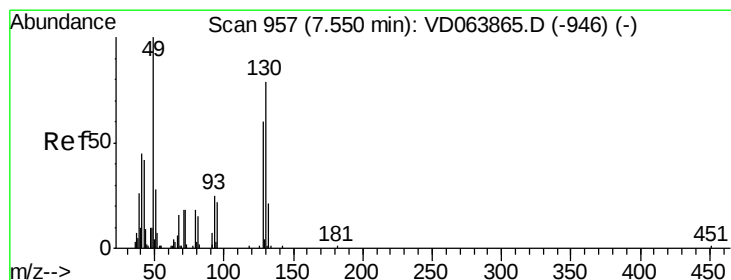
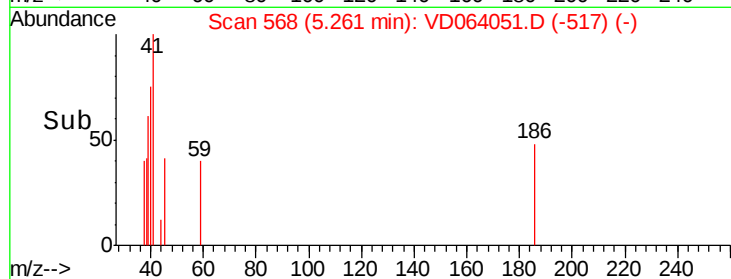
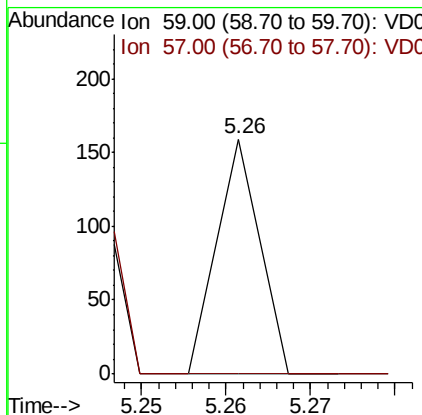
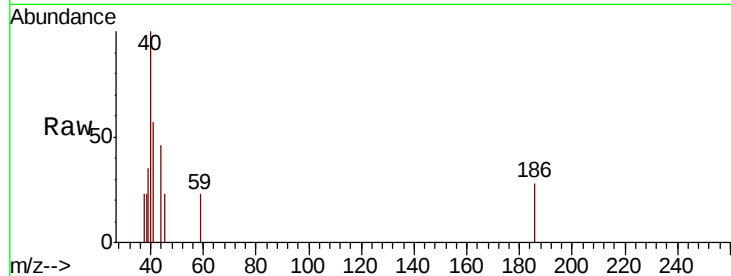


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD064051.D
 Acq: 24 Oct 2019 17:45

Instrument :
 MSVOA_D
 ClientSampled :

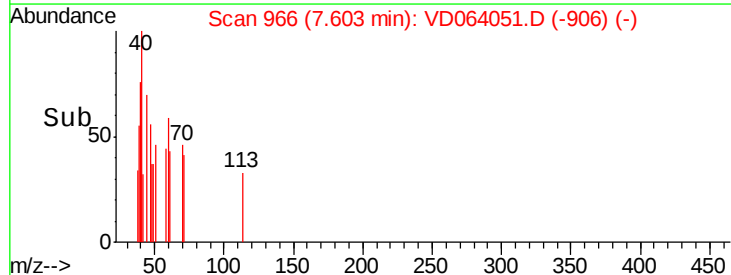
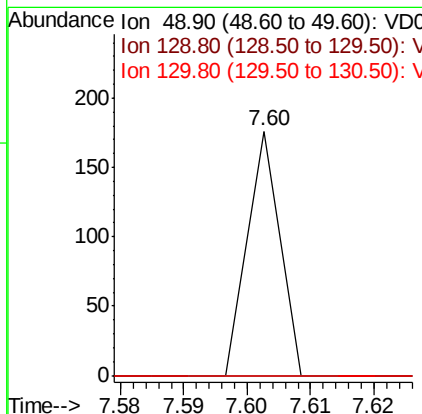
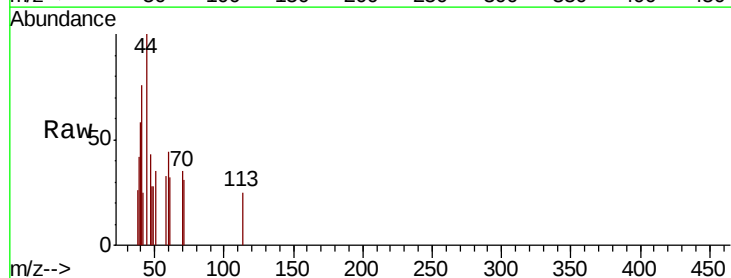
Tot Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

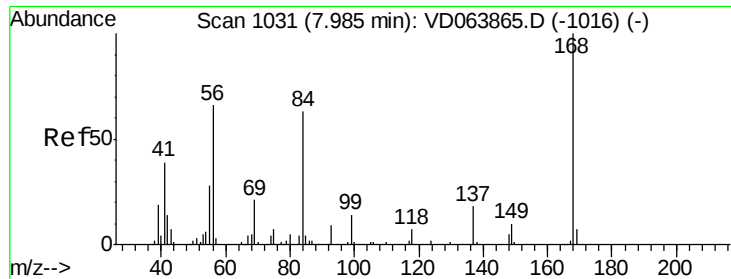


#28

Bromochloromethane
 Concen: 1.928 ug/l
 RT: 7.60 min Scan# 966
 Delta R.T. 0.05 min
 Lab File: VD064051.D
 Acq: 24 Oct 2019 17:45

Tgt Ion: 49 Resp: 62
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 66.8 100.2#

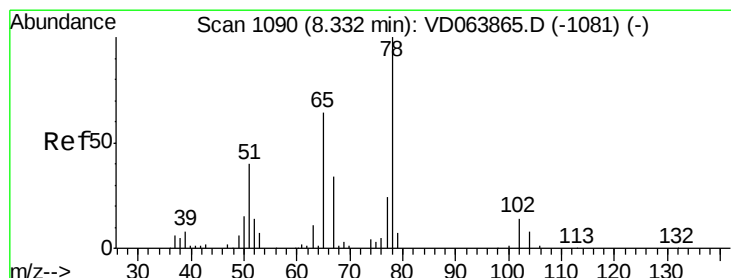
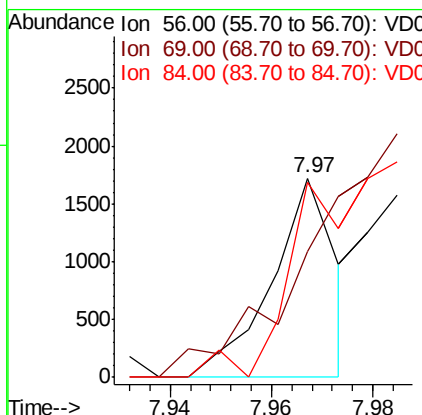
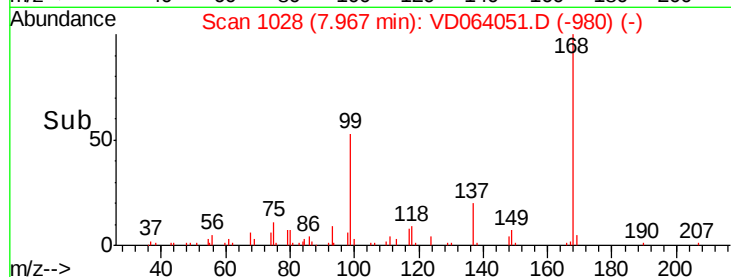
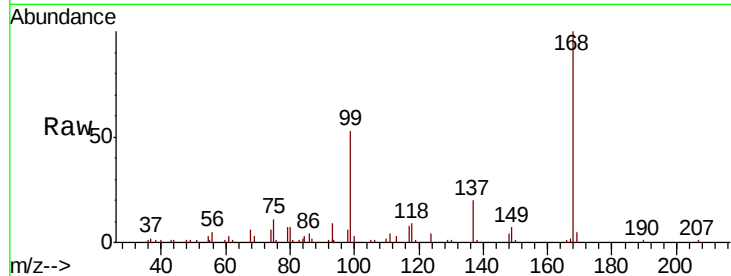




#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

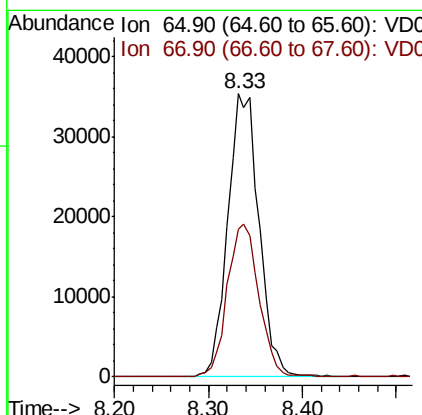
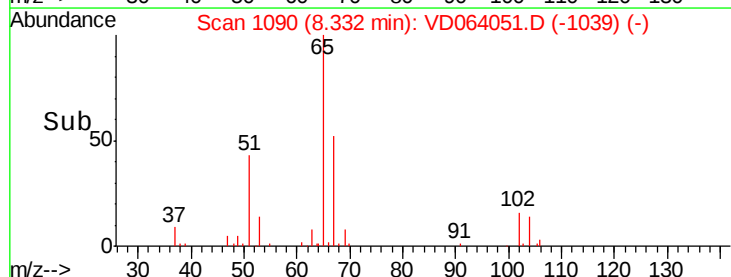
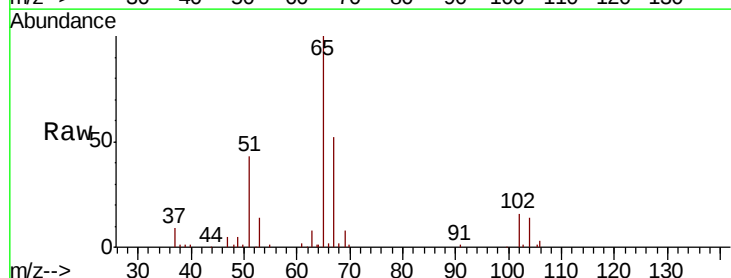
Instrument :
MSVOA_D
ClientSampleID :

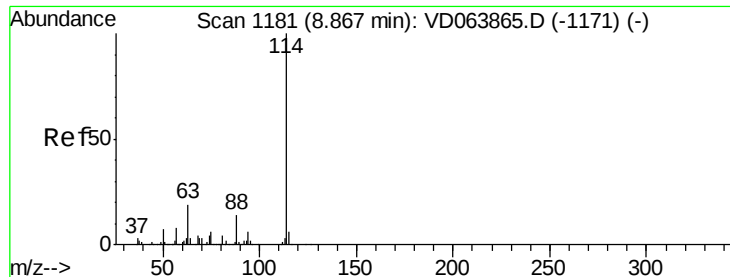
Tot Ion: 56 Resp: 1500
Ion Ratio Lower Upper
56 100
69 49.2 25.0 37.4#
84 98.1 76.3 114.5



#33
1,2-Dichloroethane-d4
Concen: 59.729 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

Tgt Ion: 65 Resp: 81278
Ion Ratio Lower Upper
65 100
67 54.8 0.0 106.4

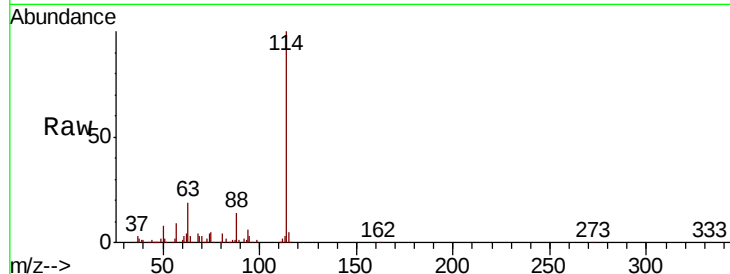




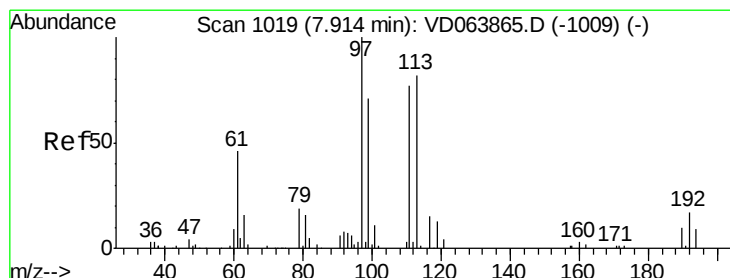
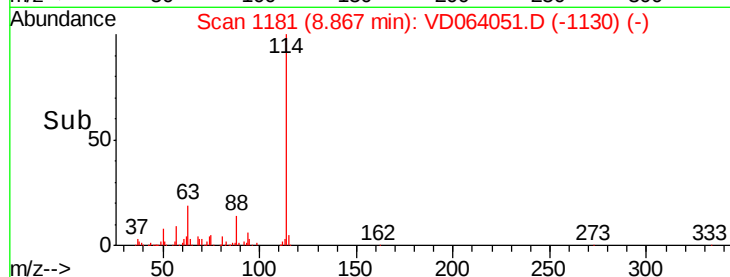
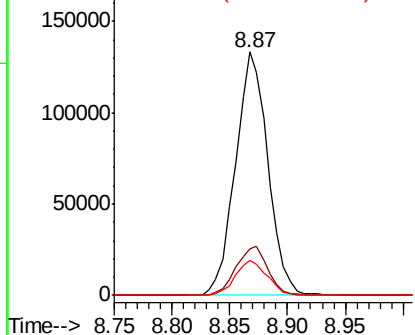
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064051.D
 Acq: 24 Oct 2019 17:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	14.2	0.0	27.4

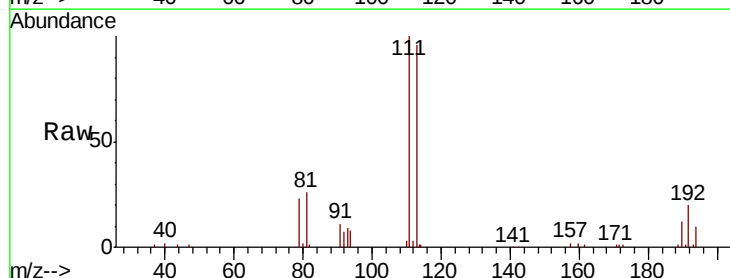


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

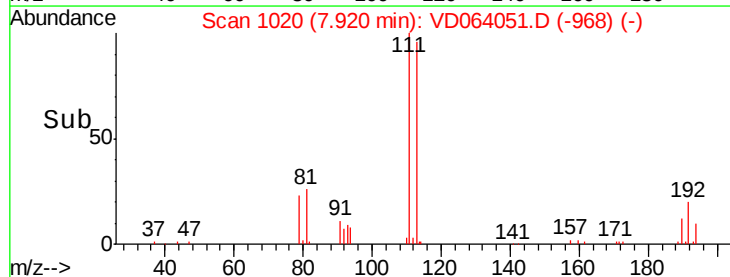
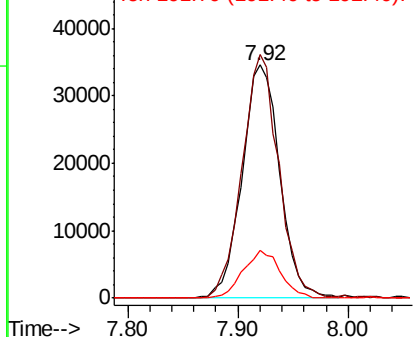


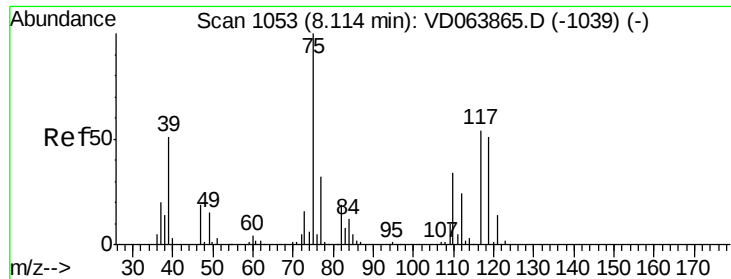
#35
 Dibromofluoromethane
 Concen: 52.189 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064051.D
 Acq: 24 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	123.8
192	20.1	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: 5.117 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

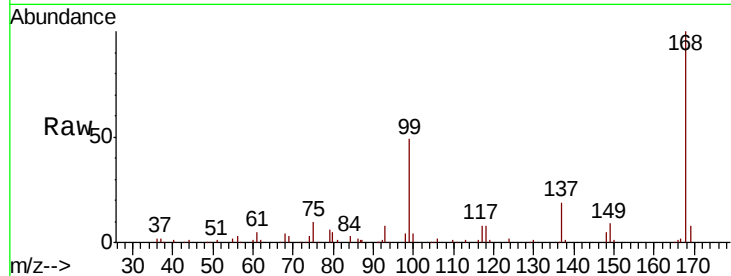
Tot Ion: 75 Resp: 12158

Ion Ratio Lower Upper

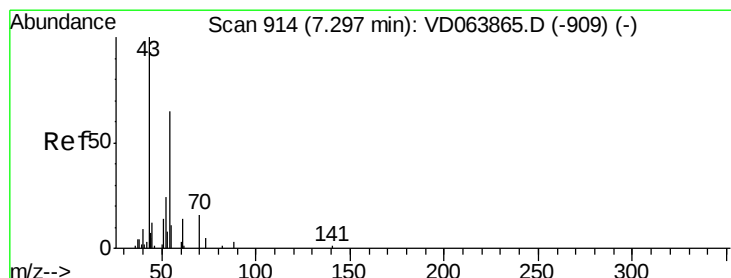
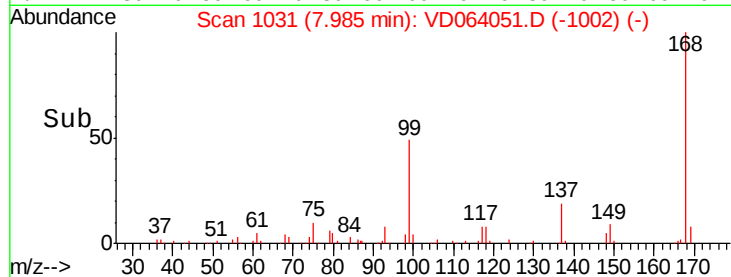
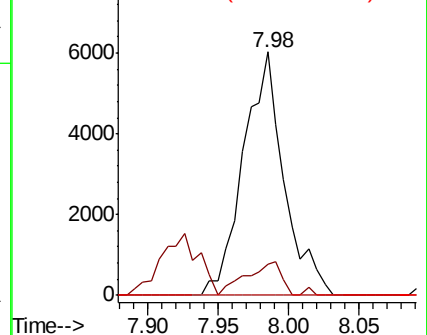
75 100

110 12.2 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.32 min Scan# 918

Delta R.T. 0.02 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

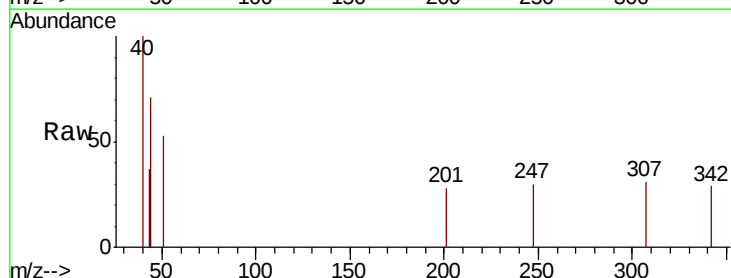
Tgt Ion: 43 Resp: 139

Ion Ratio Lower Upper

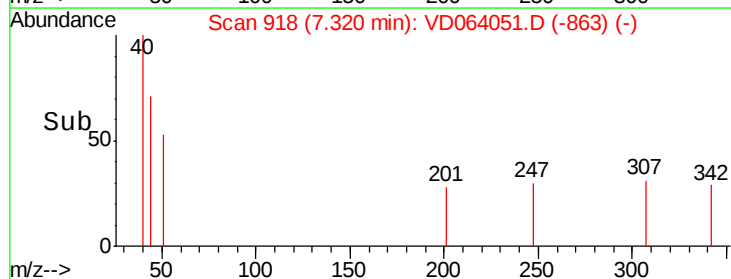
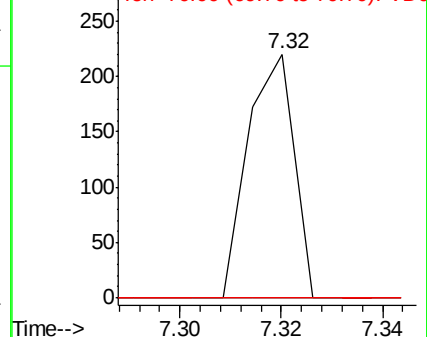
43 100

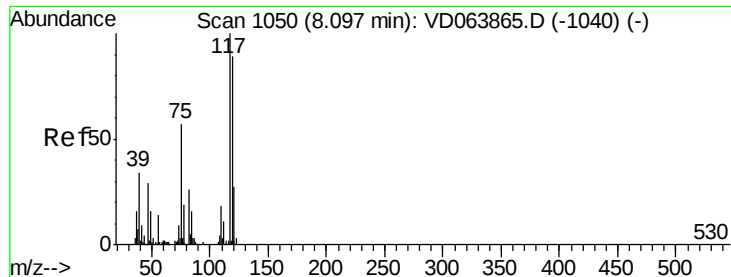
61 0.0 11.5 17.3#

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: 5.430 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

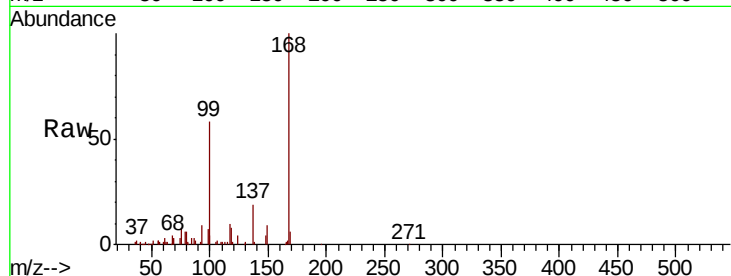
Tot Ion:117 Resp: 13038

Ion Ratio Lower Upper

117 100

119 7.4 70.8 106.2#

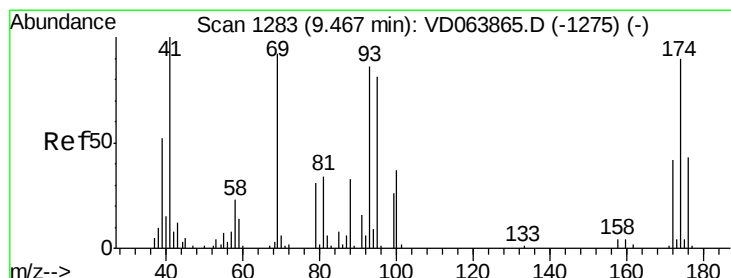
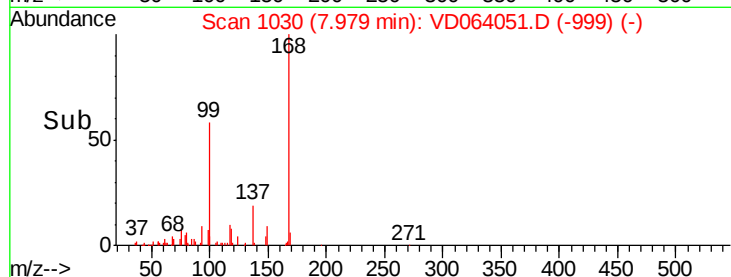
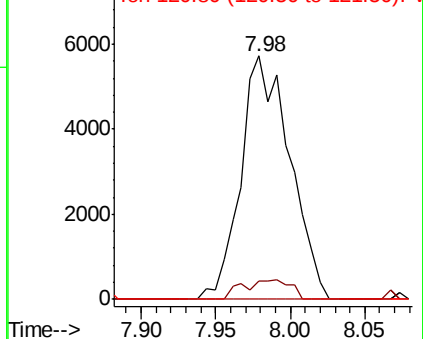
121 0.0 21.4 32.0#



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: 9.24 min Scan# 1245

Delta R.T. -0.22 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

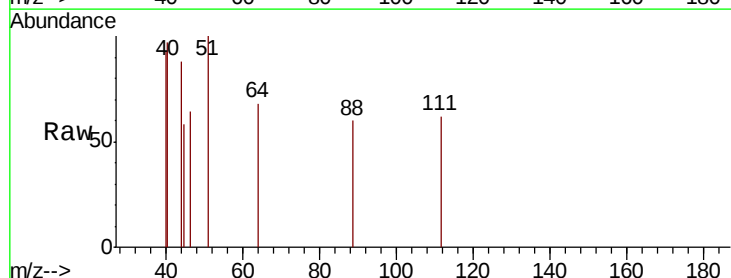
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

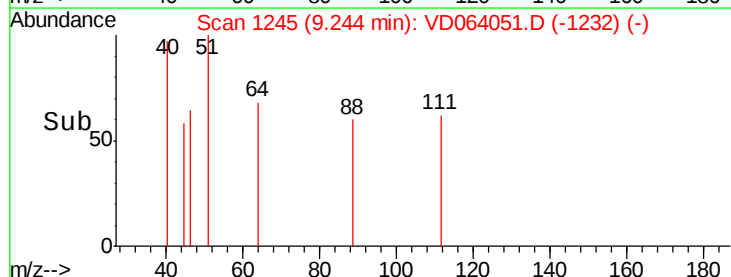
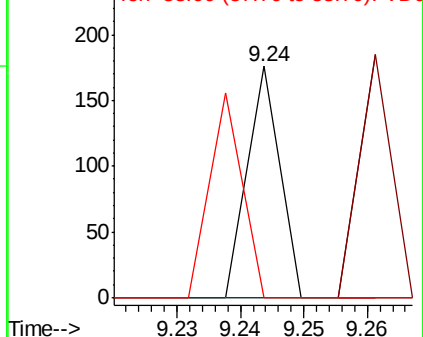
58 88.7 54.1 81.1#

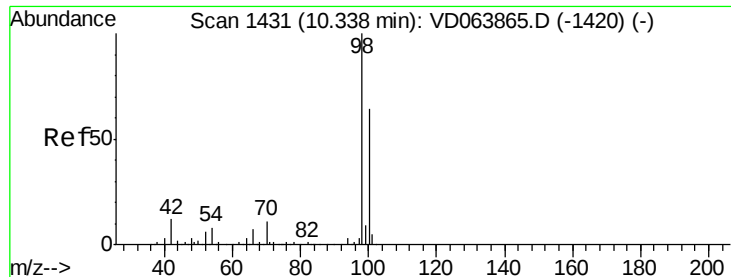


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

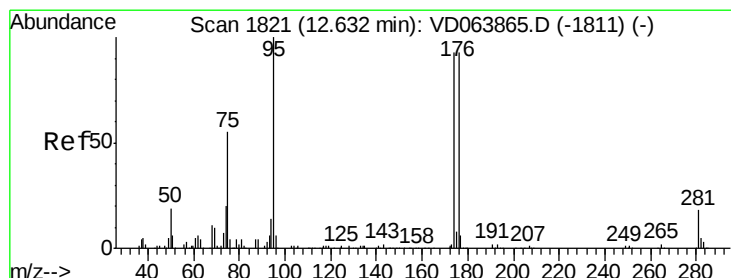
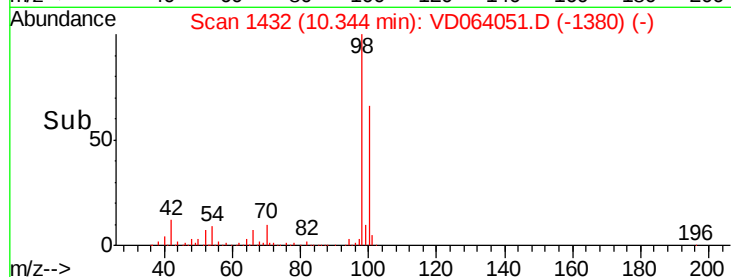
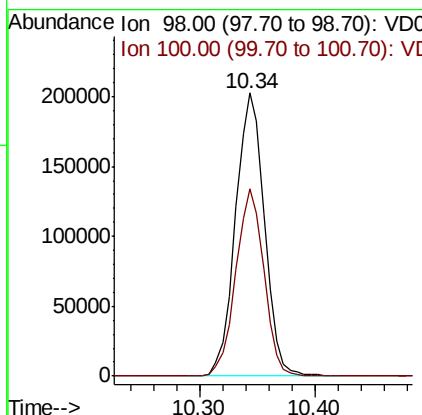
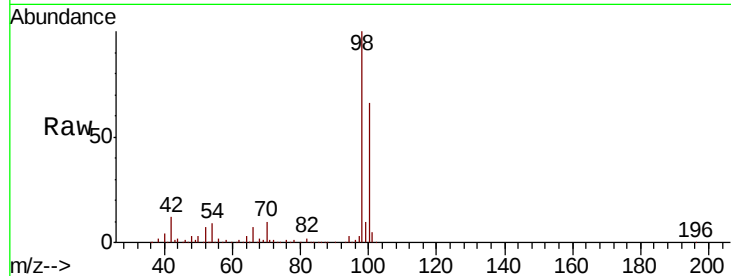




#50
Toluene-d8
Concen: 54.574 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

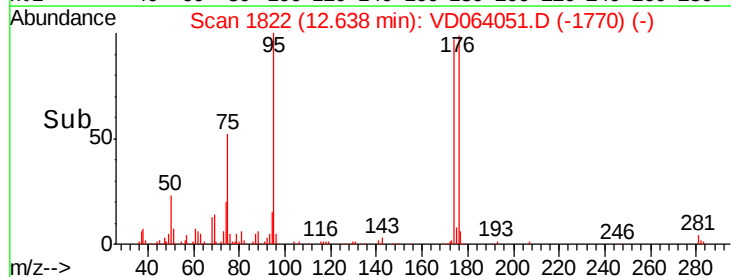
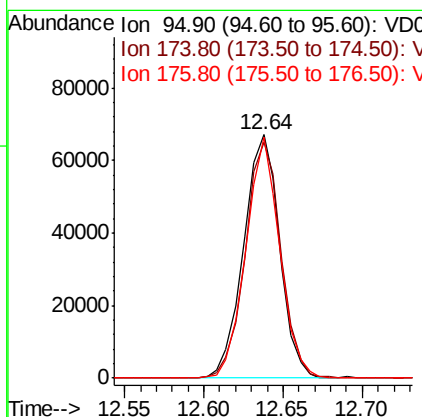
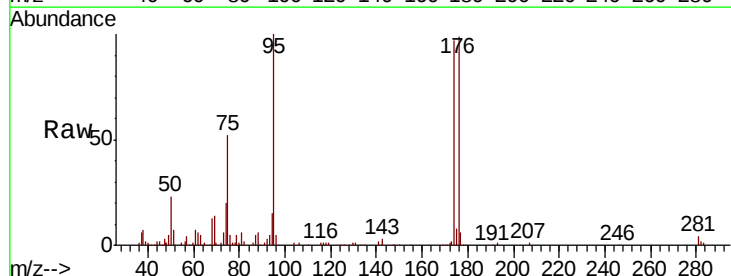
Instrument :
MSVOA_D
ClientSampleId :

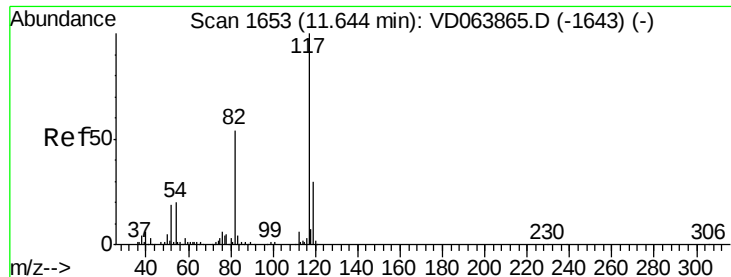
Tot Ion: 98 Resp: 351805
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.137 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

Tgt Ion: 95 Resp: 105593
Ion Ratio Lower Upper
95 100
174 96.5 0.0 186.4
176 93.1 0.0 184.2

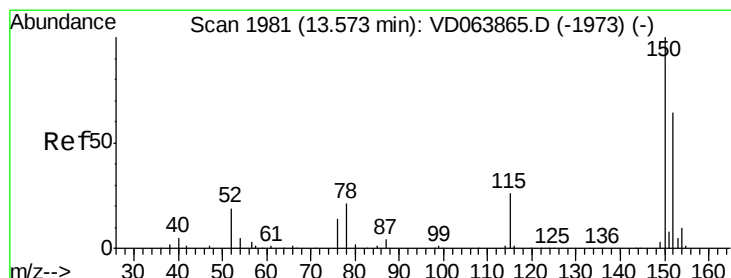
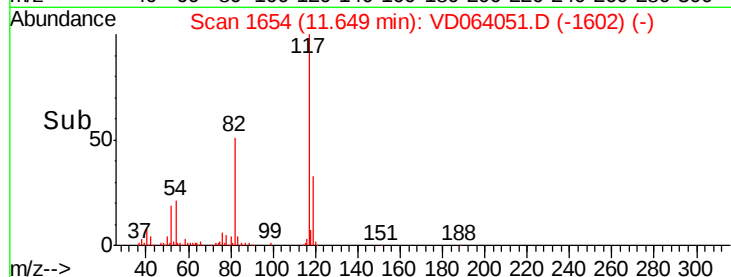
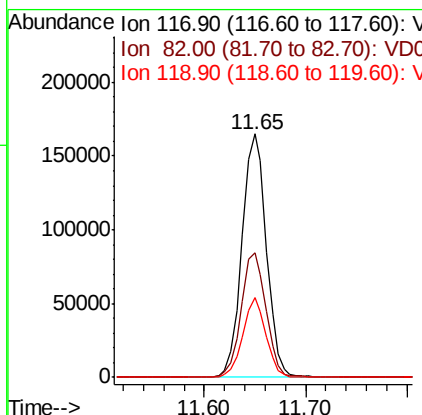
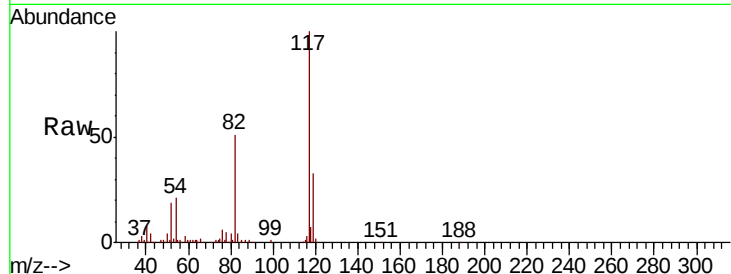




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

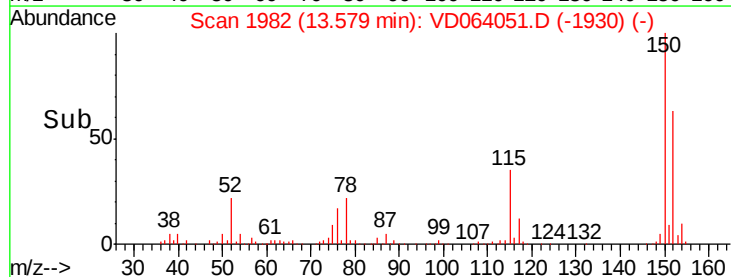
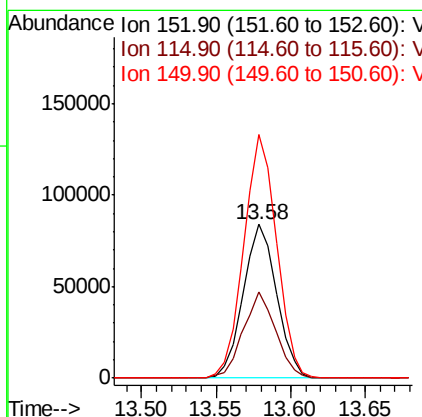
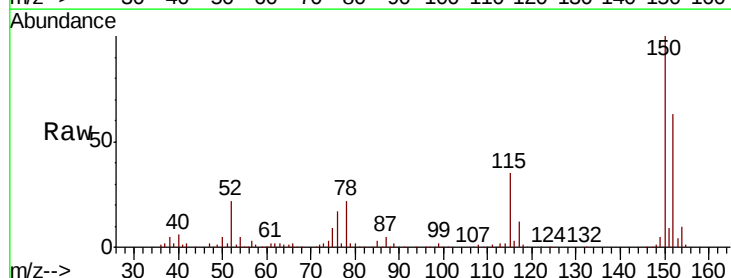
Instrument :
MSVOA_D
ClientSampled :

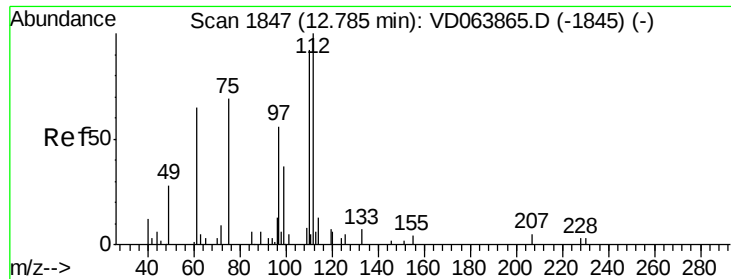
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	32.8	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064051.D
Acq: 24 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	25.9	77.7
150	156.0	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 65.998 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

Instrument :

MSVOA_D

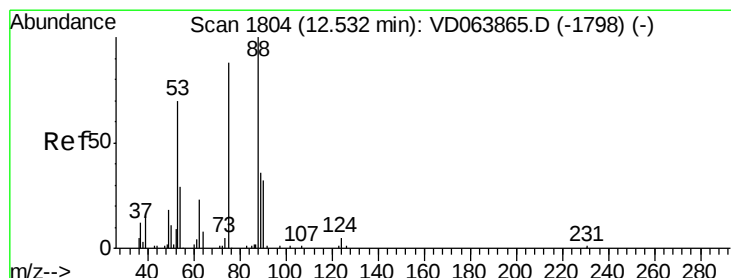
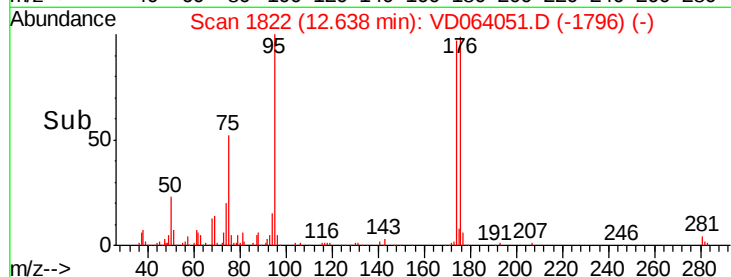
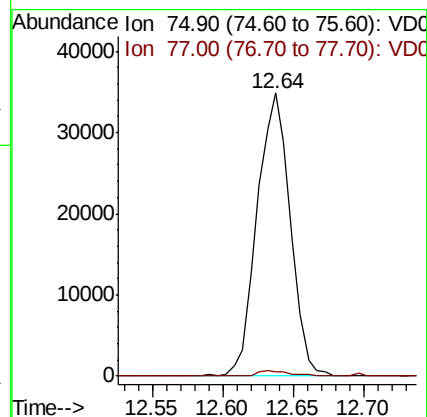
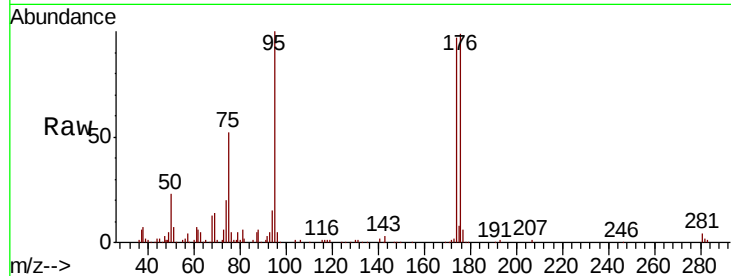
ClientSampleId :

Tot Ion: 75 Resp: 57481

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.790 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

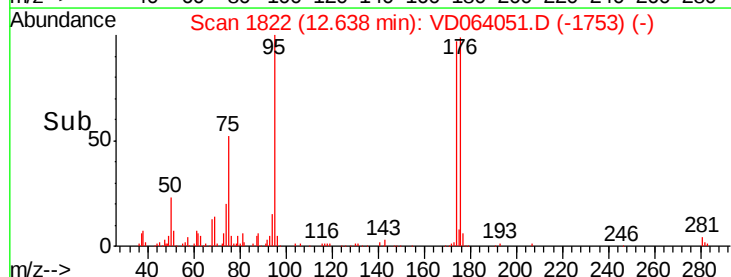
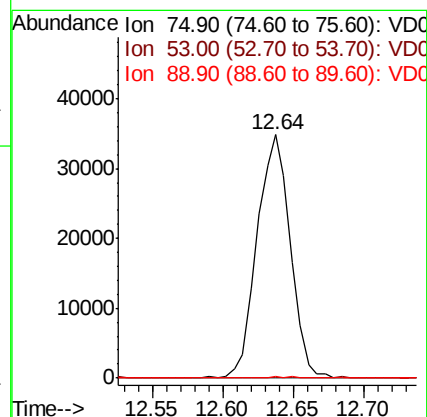
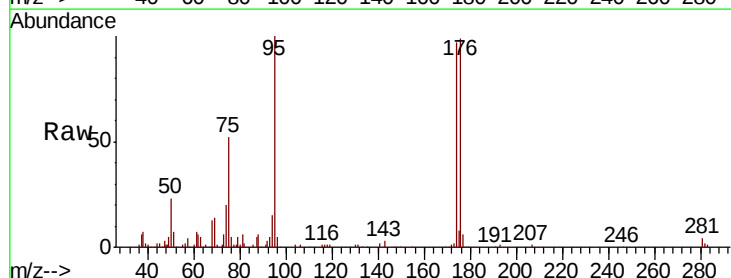
Tgt Ion: 75 Resp: 57481

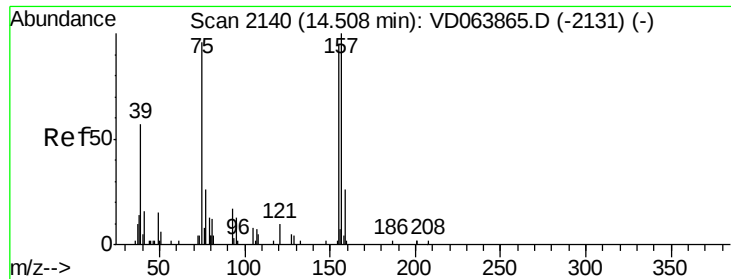
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.3 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064051.D

Acq: 24 Oct 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

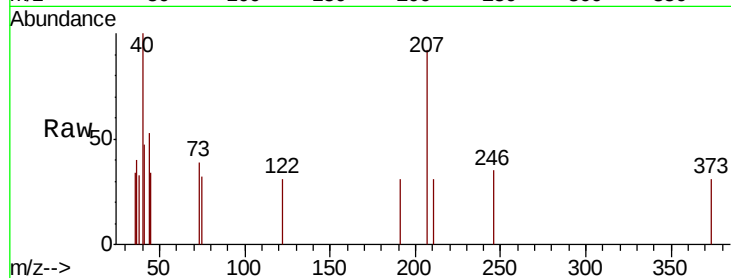
Tot Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

