

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063894.D
 Acq On : 07 Oct 2019 11:50
 Operator : VA/SY
 Sample : VD1007SBL01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 17:25:59 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	7.99	168	189679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	299023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	144370	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	92638	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.92	113	91596	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.34	98	369934	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.63	95	121030	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

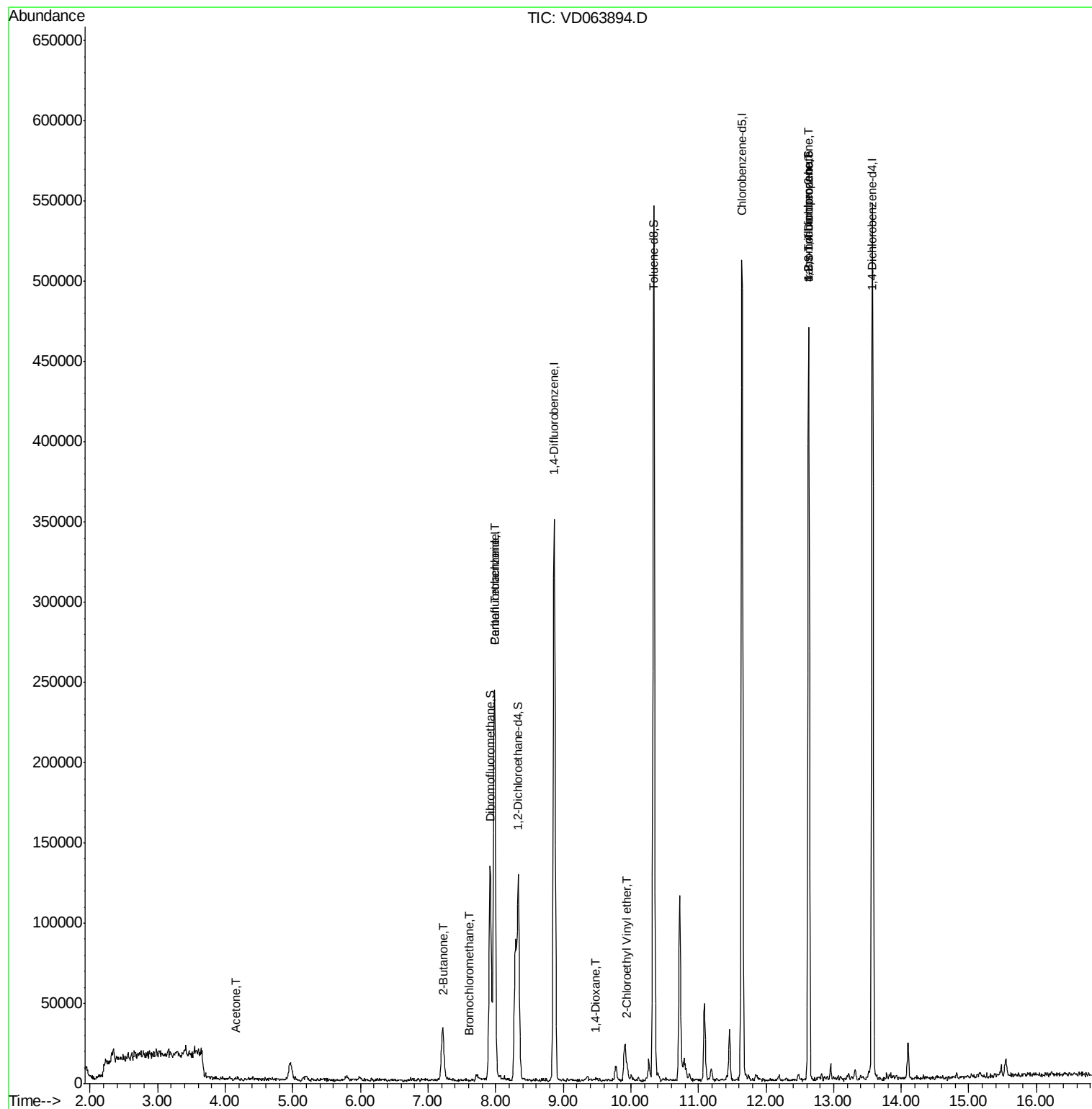
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1233	Below Cal		98
11) Tert butyl alcohol	5.28	59	138	Below Cal	#	1
16) Acetone	4.16	43	653	1.358	ug/l #	42
25) 2-Butanone	7.23	43	2152	3.777	ug/l	92
28) Bromochloromethane	7.62	49	70	1.917	ug/l #	10
31) Cyclohexane	7.98	56	5737	Below Cal	#	60
37) Ethyl Acetate	7.29	43	796	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	17388	6.129	ug/l #	20
49) 1,4-Dioxane	9.47	88	55	3.593	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	4022	4.667	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	64961	67.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	64961	118.884	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.62	75	62	Below Cal	#	1

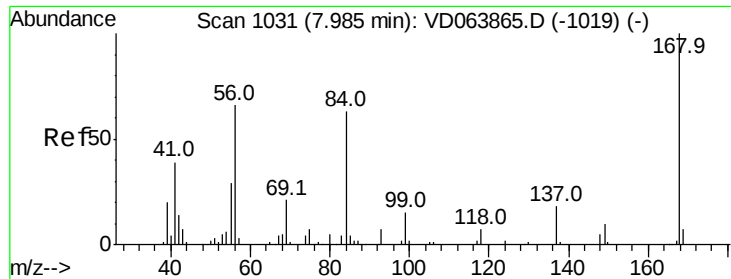
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

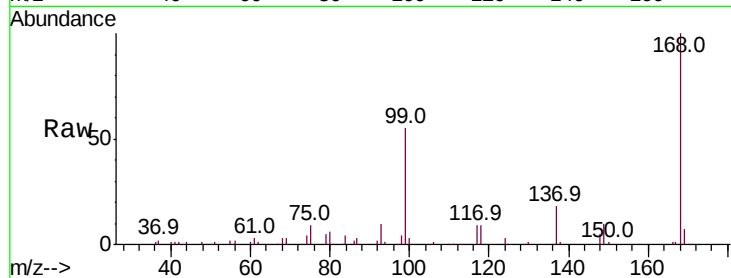
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 189679

Ion Ratio Lower Upper

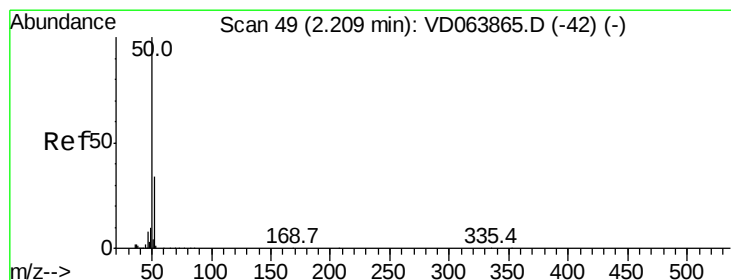
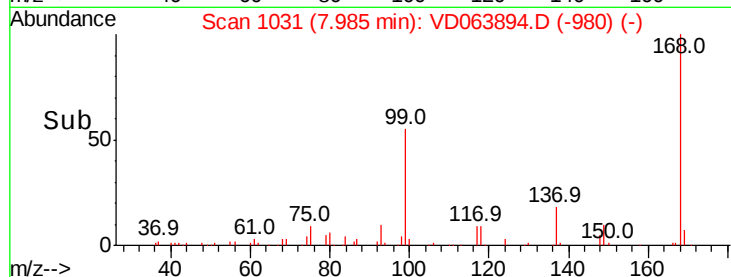
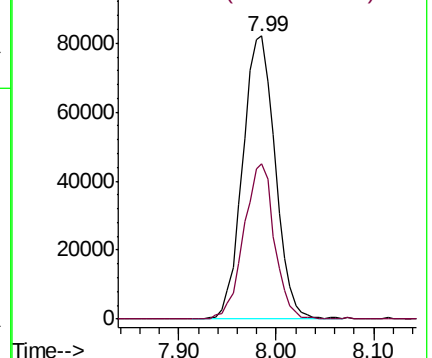
168 100

99 54.5 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063894.D

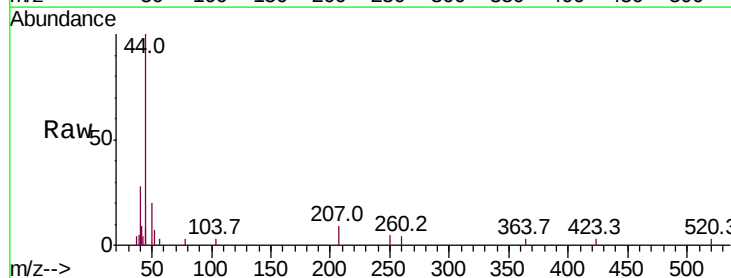
Acq: 07 Oct 2019 11:50

Tgt Ion: 50 Resp: 1233

Ion Ratio Lower Upper

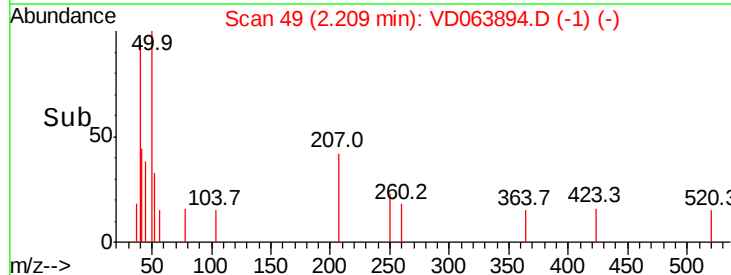
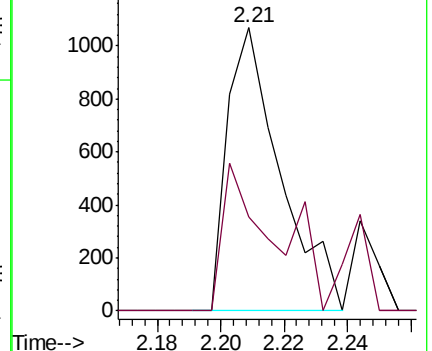
50 100

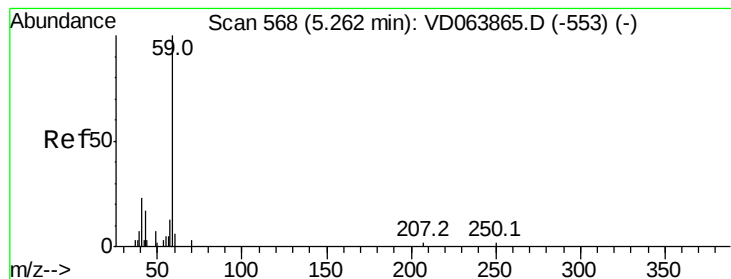
52 33.2 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



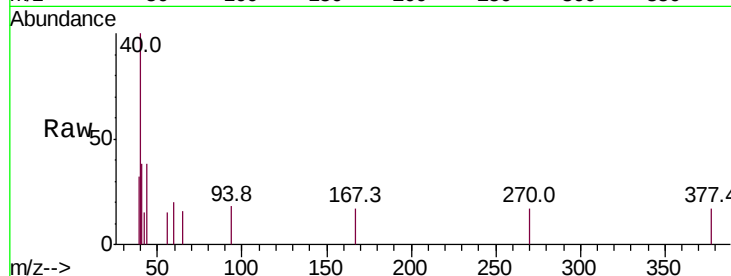


#11

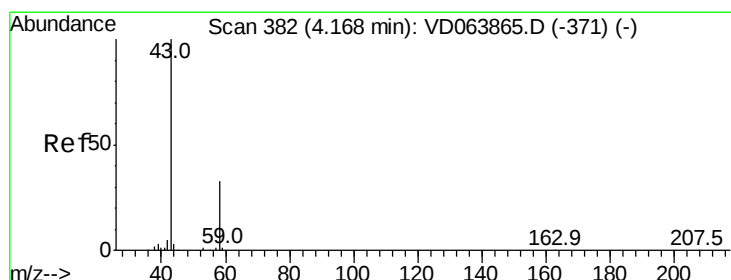
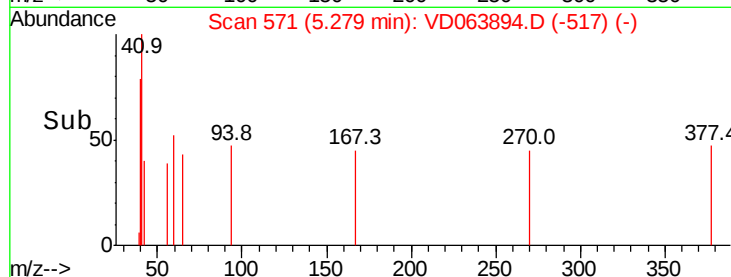
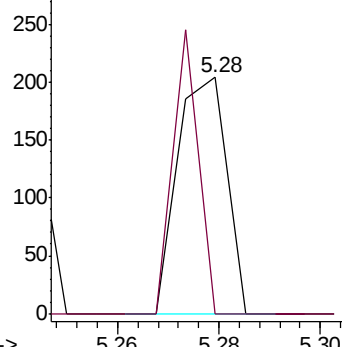
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.28 min Scan# 571
 Delta R.T. 0.02 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 138
 Ion Ratio Lower Upper
 59 100
 57 62.3 8.8 13.2#



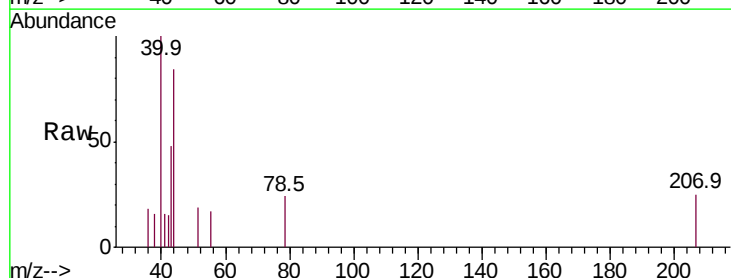
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



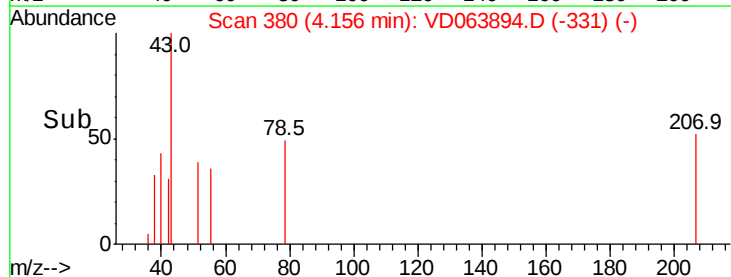
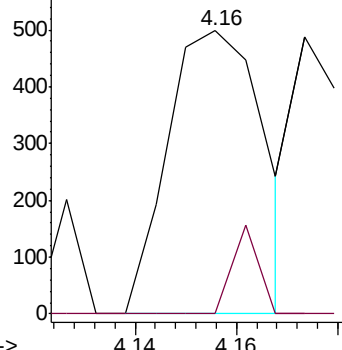
#16

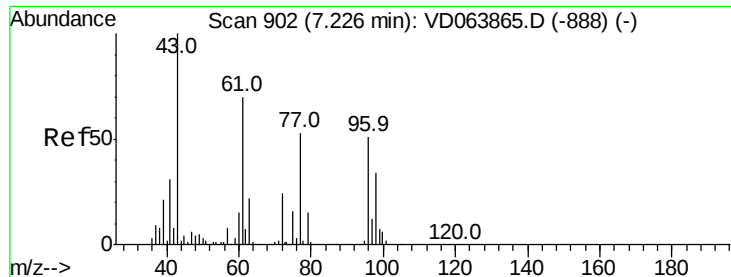
Acetone
 Concen: 1.358 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

Tgt Ion: 43 Resp: 653
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#



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





#25

2-Butanone

Concen: 3.777 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

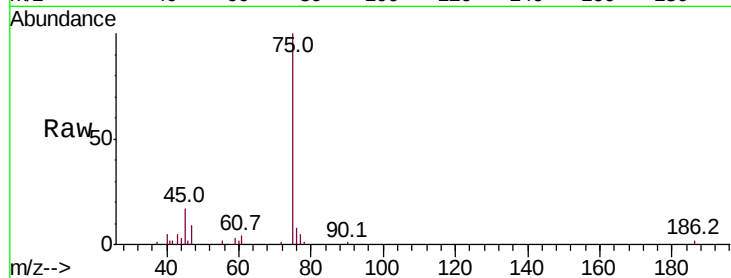
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2152

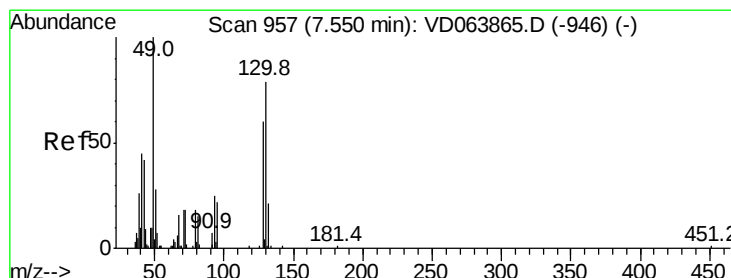
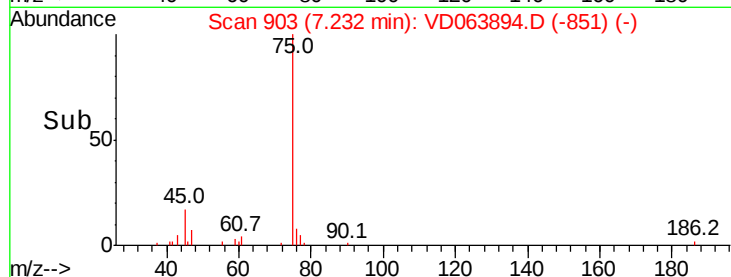
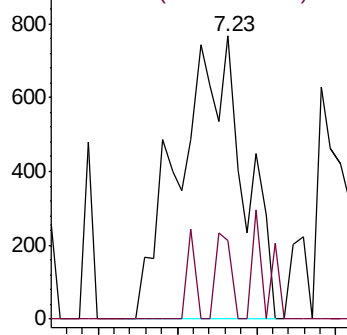
Ion Ratio Lower Upper

43 100

72 27.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#28

Bromochloromethane

Concen: 1.917 ug/l

RT: 7.62 min Scan# 969

Delta R.T. 0.07 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

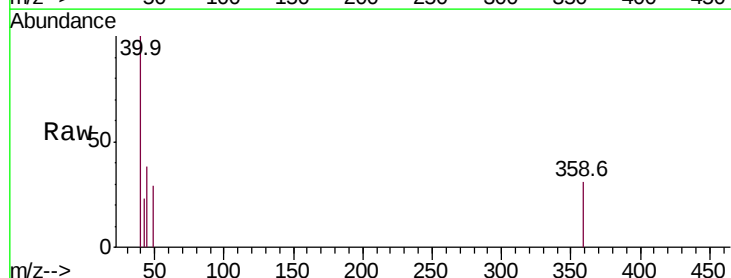
Tgt Ion: 49 Resp: 70

Ion Ratio Lower Upper

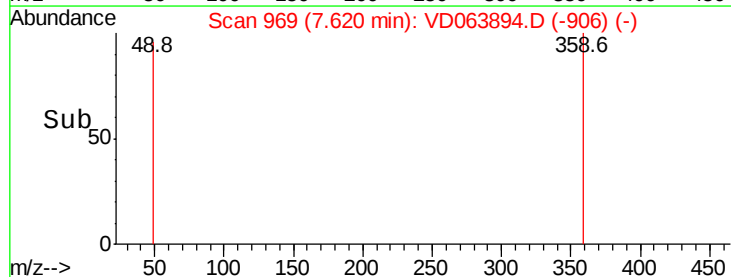
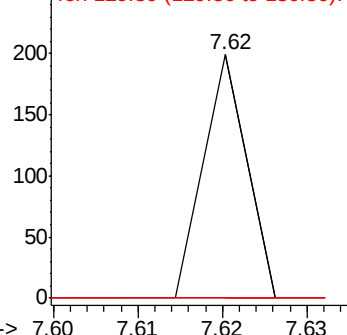
49 100

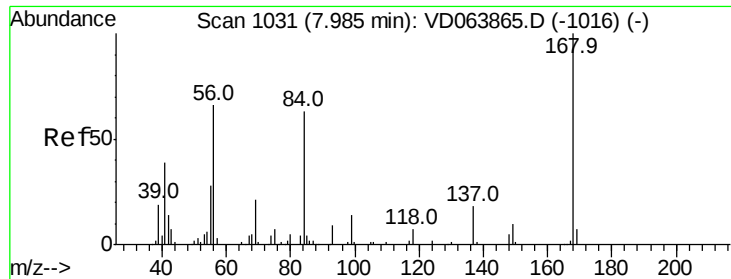
129 0.0 0.0 5.6

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): V
Ion 129.80 (129.50 to 130.50): V

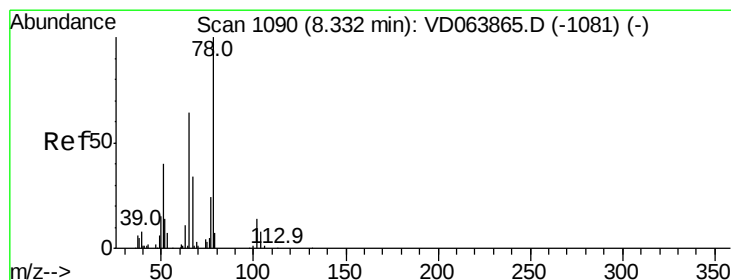
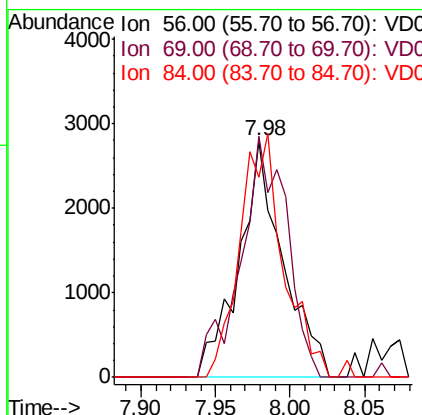
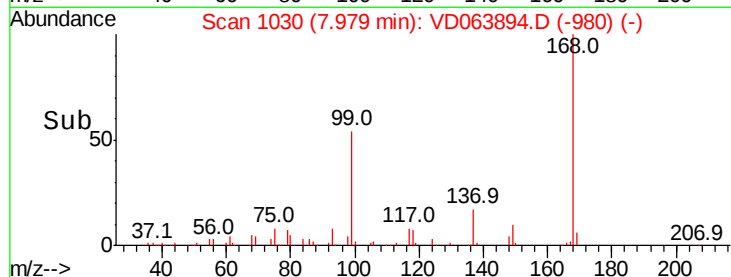
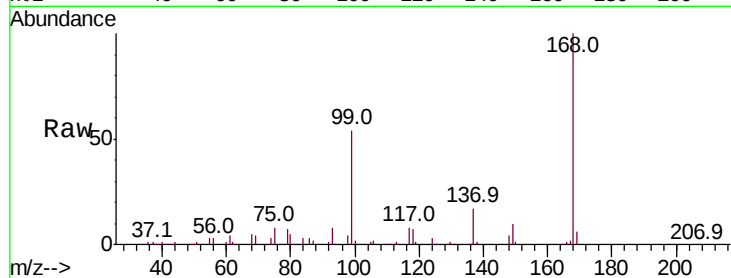




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

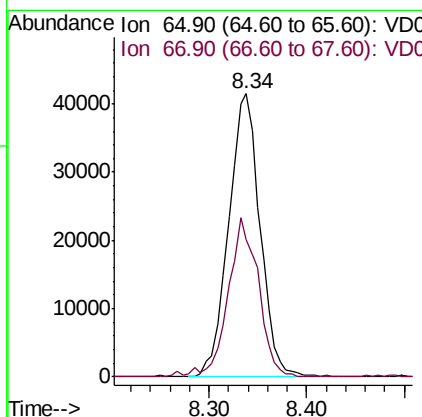
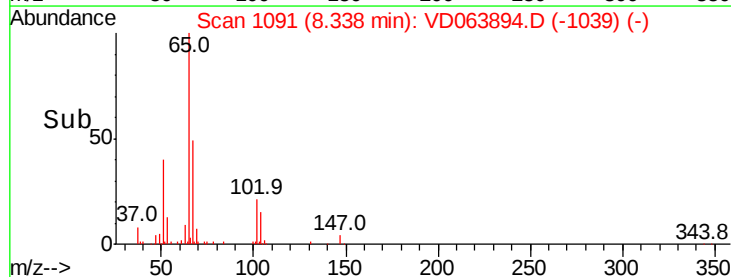
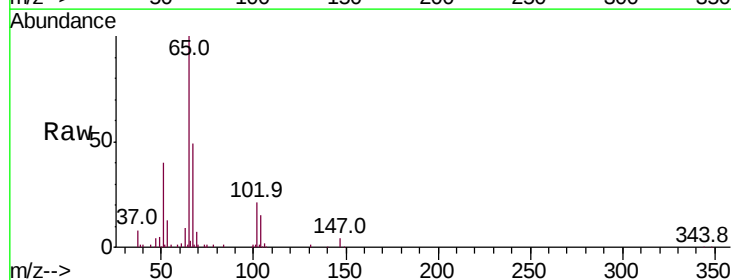
Instrument :
MSVOA_D
ClientSampleId :

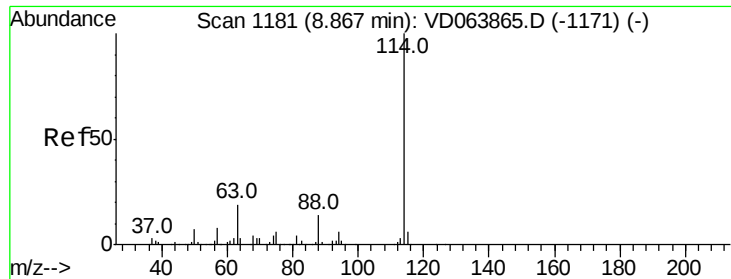
Tot Ion: 56 Resp: 5737
Ion Ratio Lower Upper
56 100
69 101.8 25.0 37.4#
84 84.9 76.3 114.5



#33
1,2-Dichloroethane-d4
Concen: 50.165 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

Tgt Ion: 65 Resp: 92638
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.4

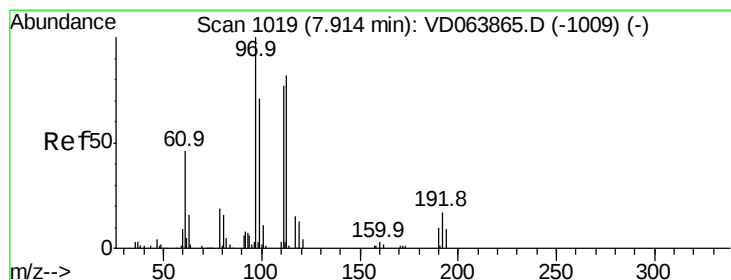
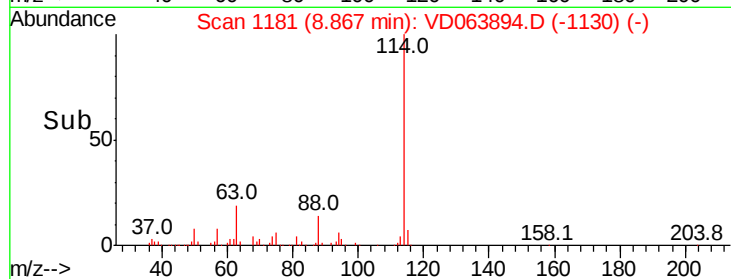
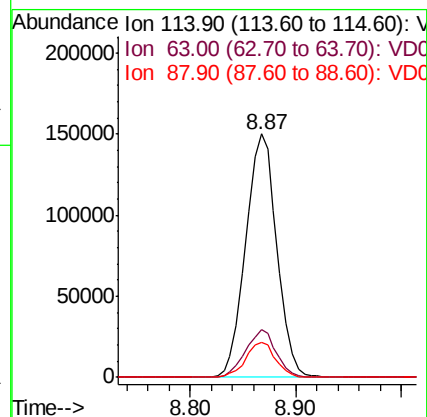
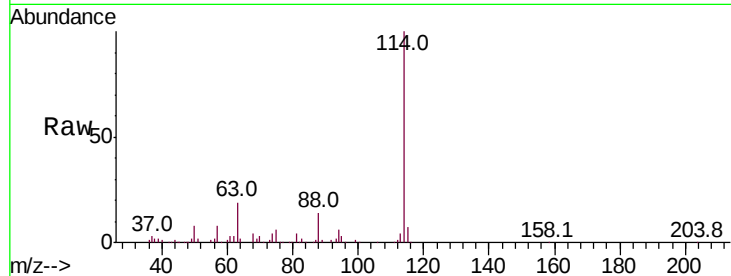




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

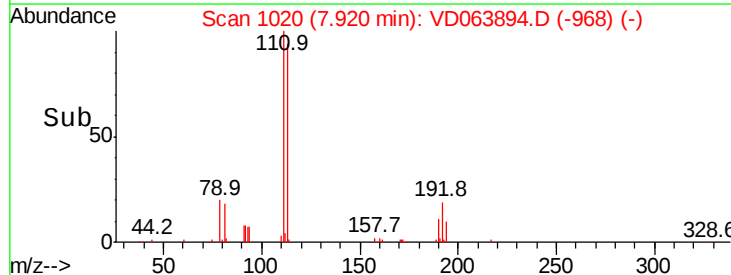
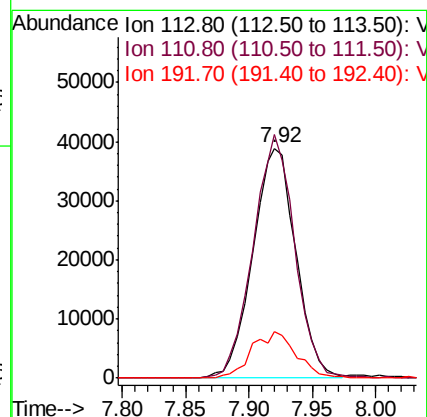
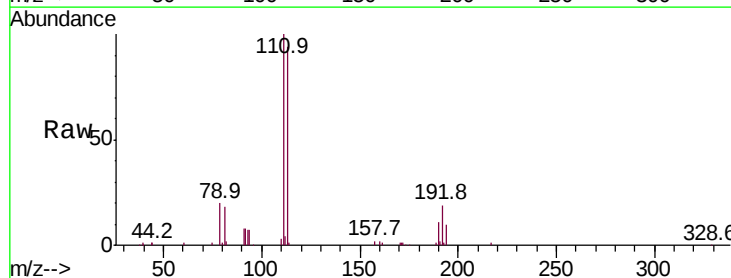
Instrument :
 MSVOA_D
 ClientSampleId :

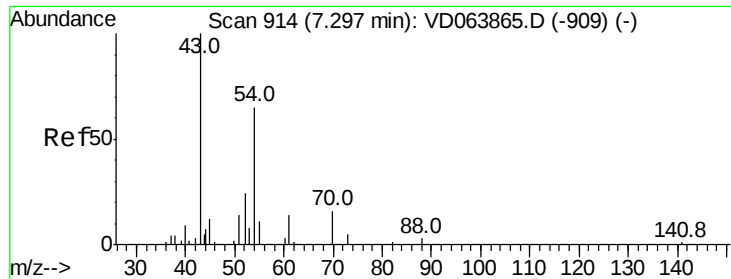
Tot Ion:114 Resp: 307031
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.4
 88 14.3 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 48.816 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

Tgt Ion:113 Resp: 91596
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 20.9 17.1 25.7

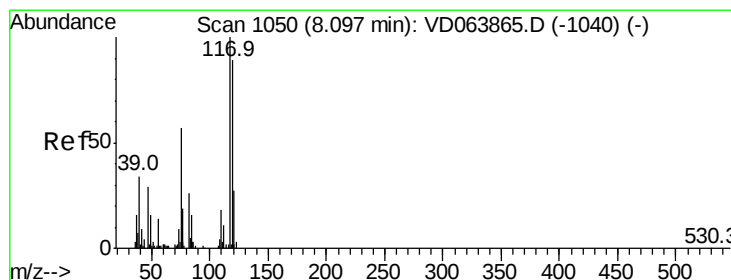
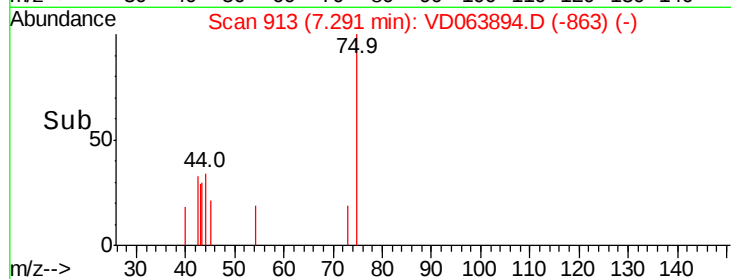
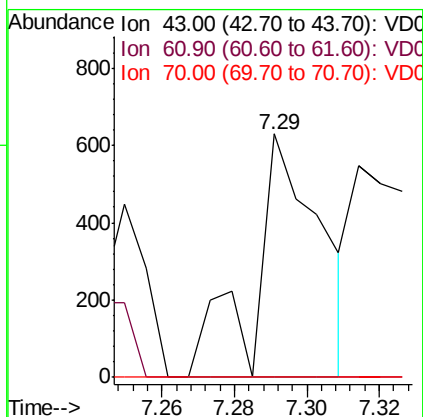
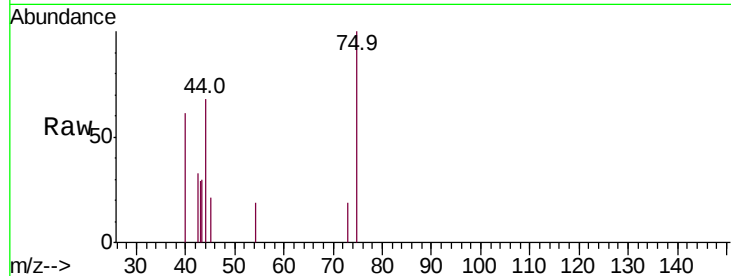




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

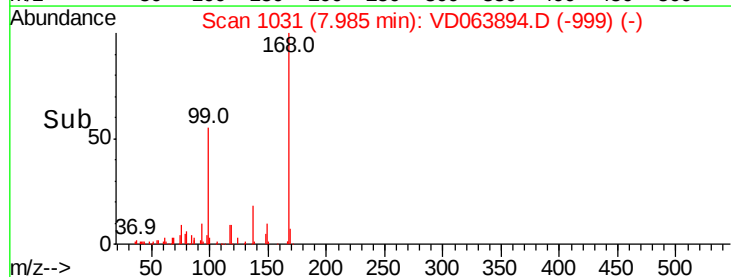
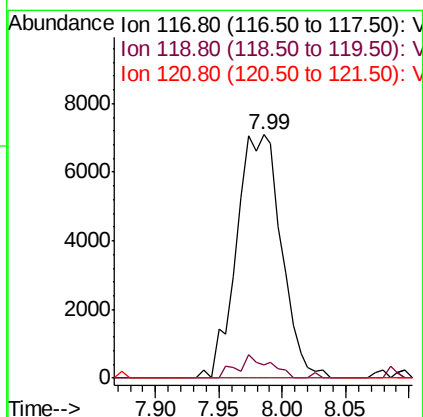
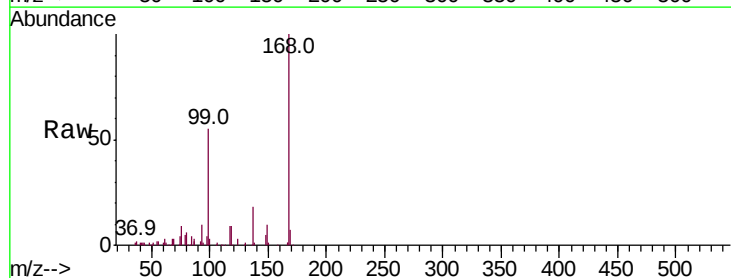
Instrument :
MSVOA_D
ClientSampled :

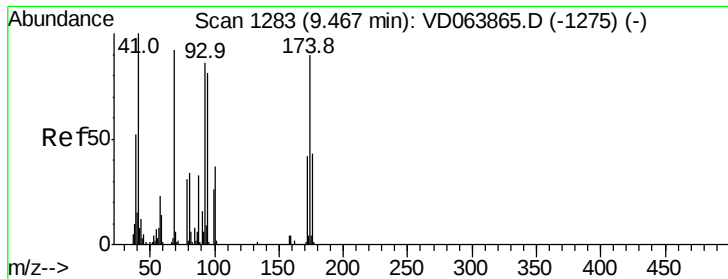
Tot Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.129 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

Tgt Ion: 117 Resp: 17388
Ion Ratio Lower Upper
117 100
119 5.4 70.8 106.2#
121 0.0 21.4 32.0#

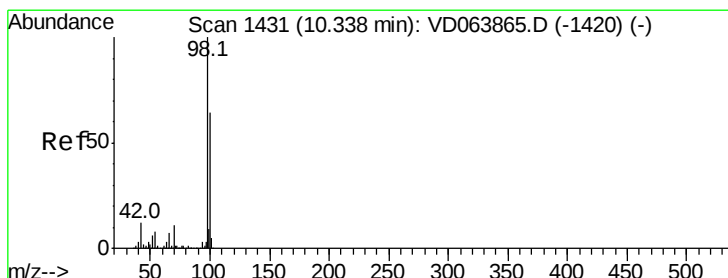
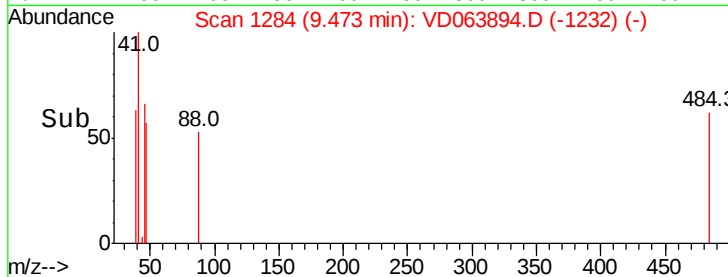
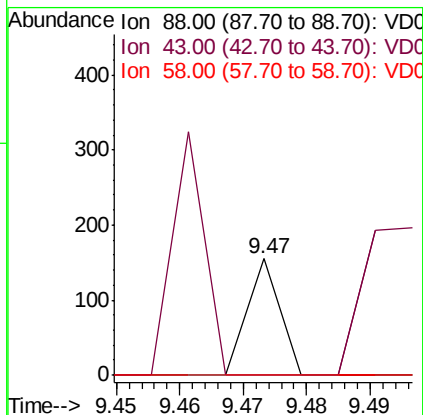
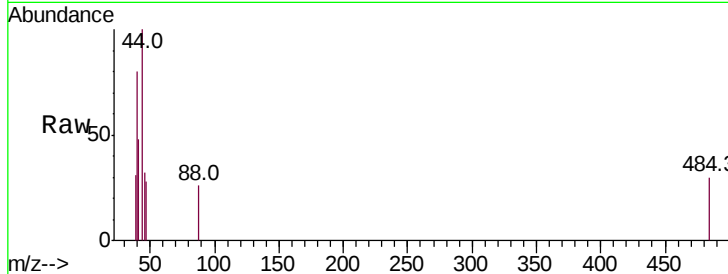




#49
1,4-Dioxane
Concen: 3.593 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

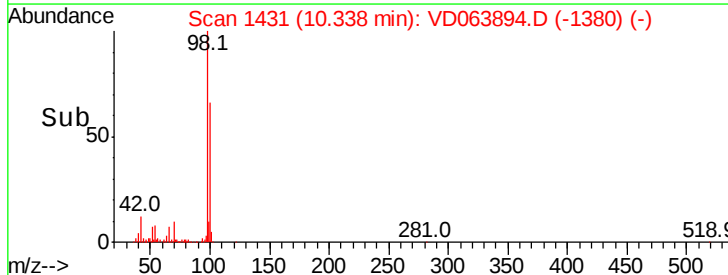
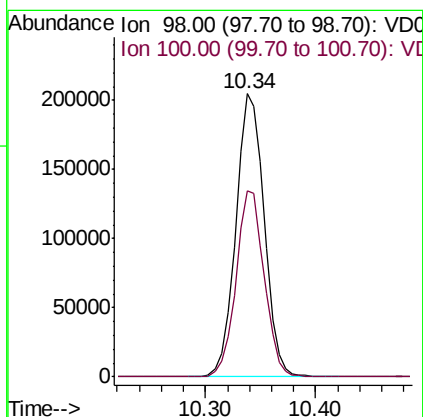
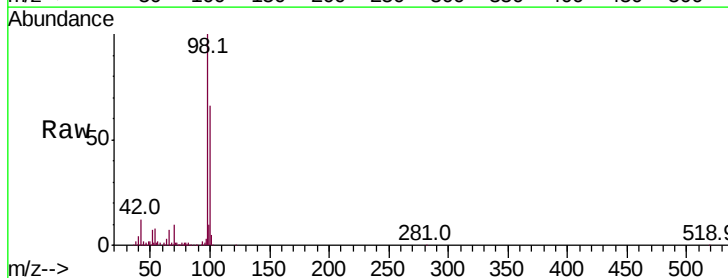
Instrument :
MSVOA_D
ClientSampleId :

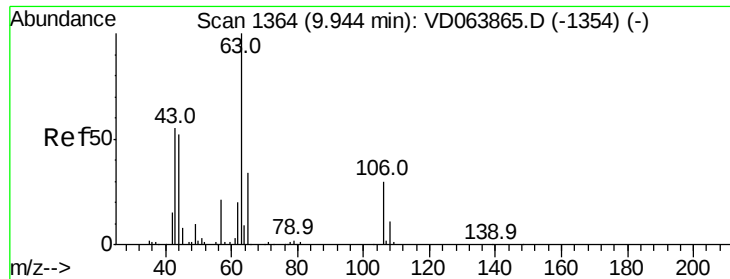
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 207.3 27.6 41.4#
58 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 48.574 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

Tgt Ion: 98 Resp: 369934
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

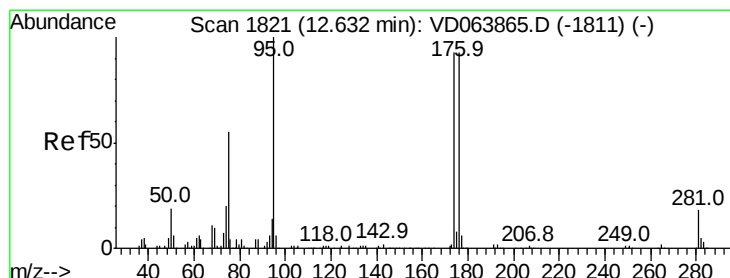
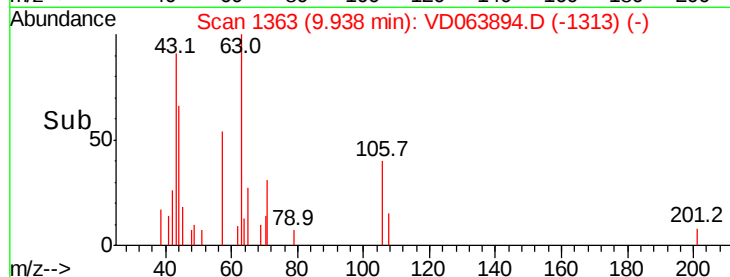
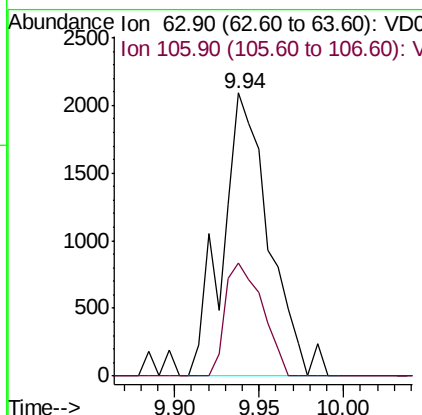
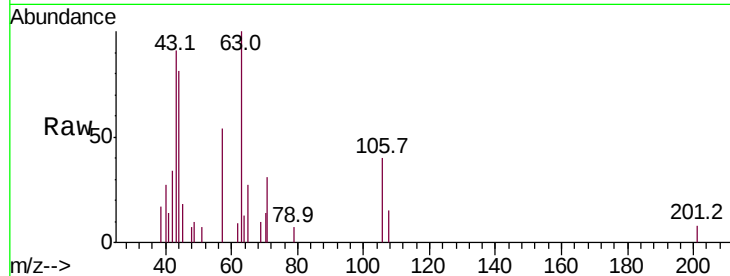




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.667 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

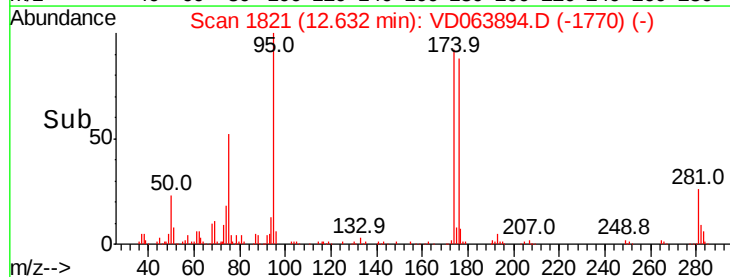
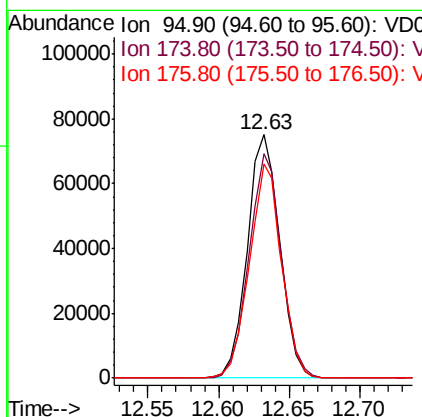
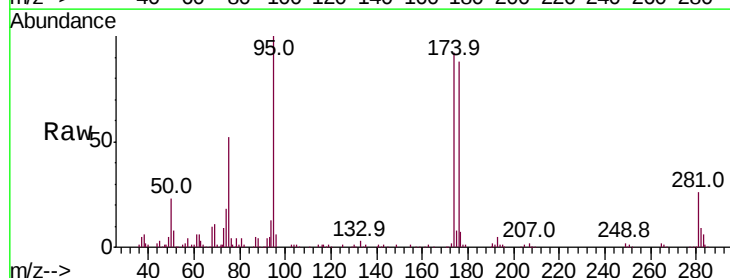
Instrument :
 MSVOA_D
 ClientSampleId :

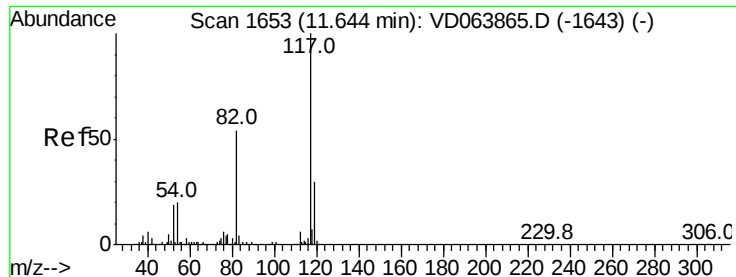
Tot Ion: 63 Resp: 4022
 Ion Ratio Lower Upper
 63 100
 106 31.9 24.3 36.5



#62
 4-Bromofluorobenzene
 Concen: 45.732 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063894.D
 Acq: 07 Oct 2019 11:50

Tgt Ion: 95 Resp: 121030
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 186.4
 176 87.3 0.0 184.2

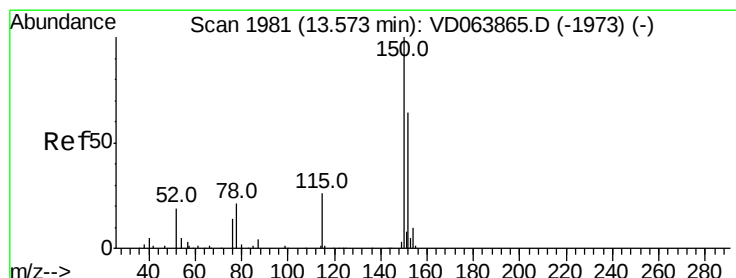
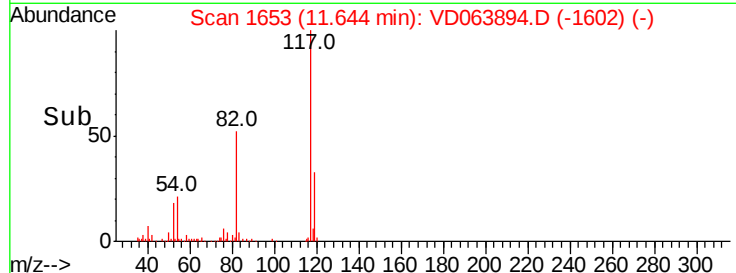
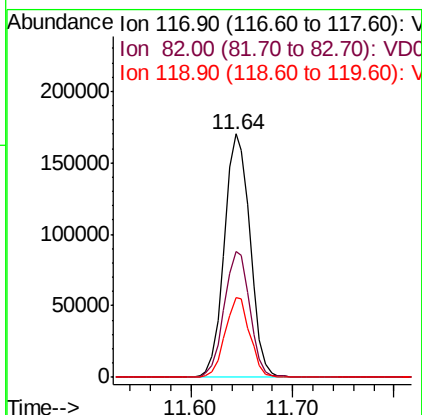
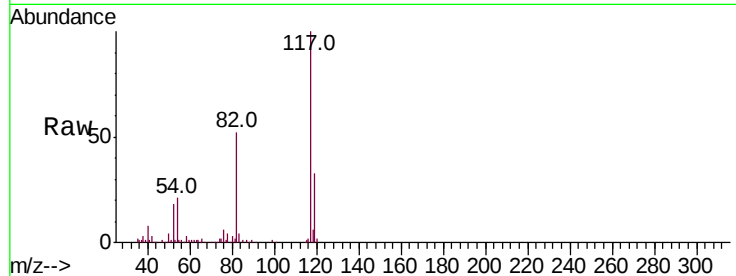




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

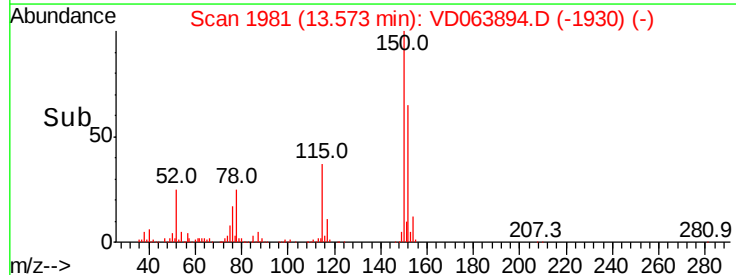
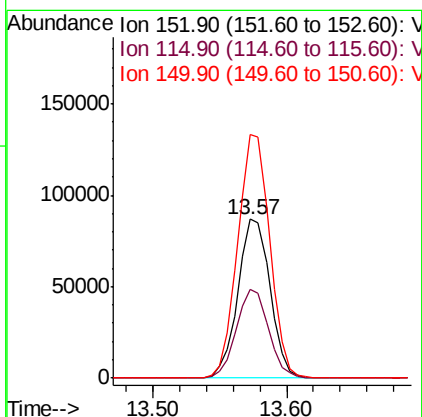
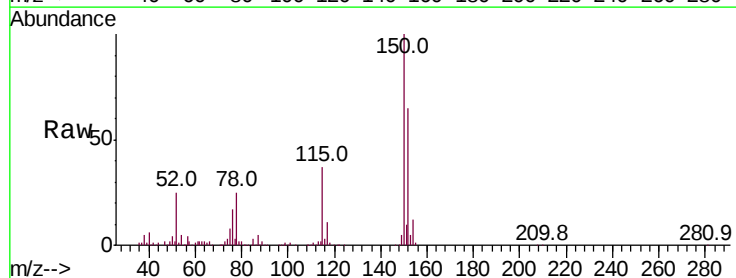
Instrument :
MSVOA_D
ClientSampleId :

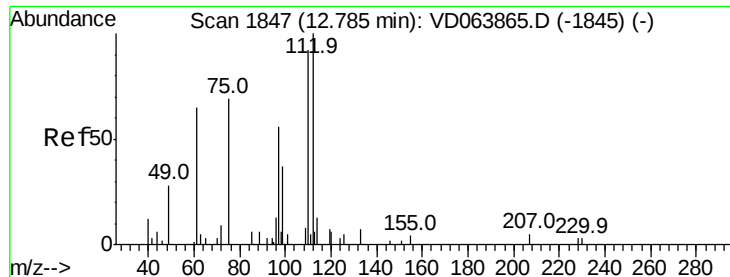
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.8	64.2
119	32.9	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063894.D
Acq: 07 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	25.9	77.7
150	153.1	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.181 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

Instrument :

MSVOA_D

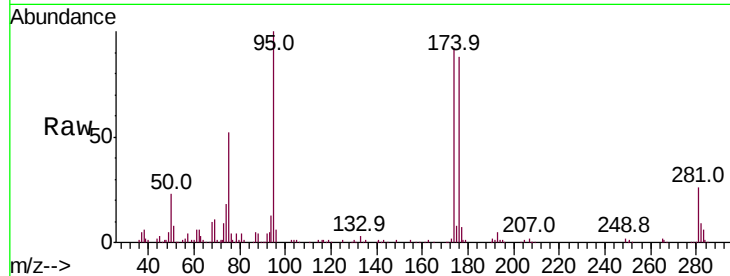
ClientSampleId :

Tot Ion: 75 Resp: 64961

Ion Ratio Lower Upper

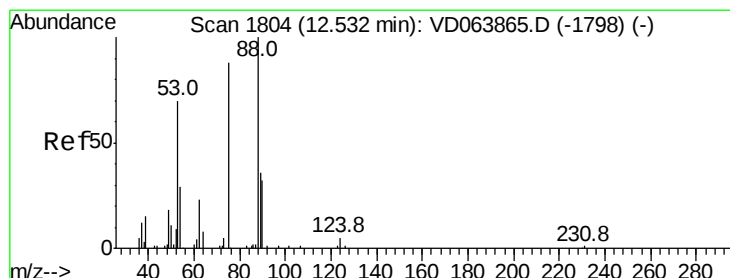
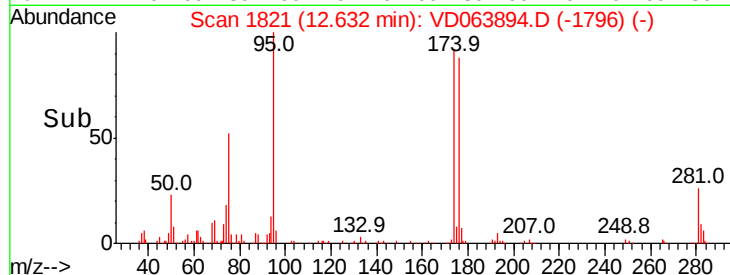
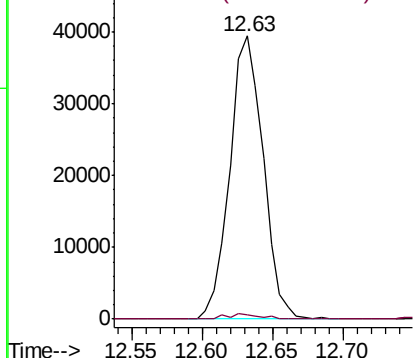
75 100

77 1.8 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: 118.884 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

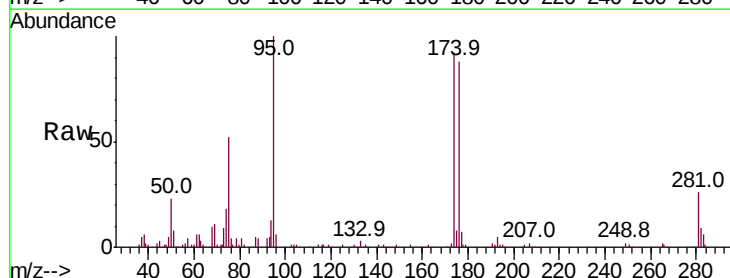
Tgt Ion: 75 Resp: 64961

Ion Ratio Lower Upper

75 100

53 0.3 75.0 112.6#

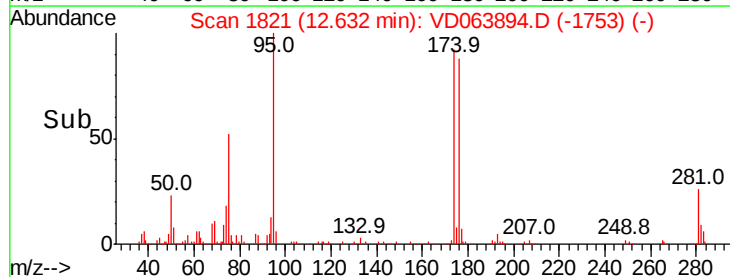
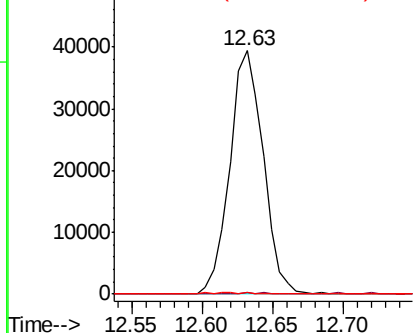
89 0.5 38.2 57.4#

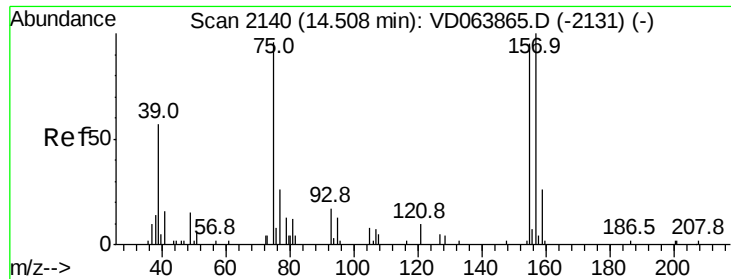


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.62 min Scan# 2159

Delta R.T. 0.11 min

Lab File: VD063894.D

Acq: 07 Oct 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

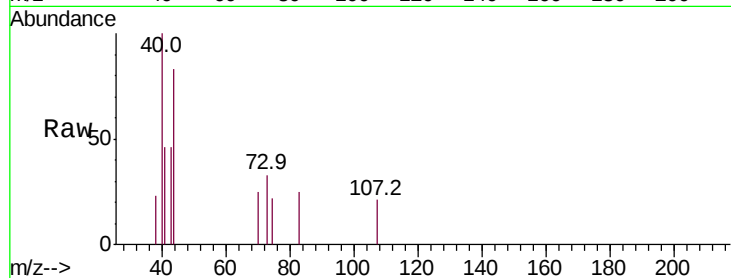
Tot Ion: 75 Resp: 62

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

