

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063940.D
 Acq On : 11 Oct 2019 16:40
 Operator : VA/SY
 Sample : K5325-05
 Misc : 7.56G/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-E

Quant Time: Oct 12 01:37:59 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	7.98	168	151772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	275963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133164	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	85958	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	
35) Dibromofluoromethane	7.92	113	88635	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.34	98	367719	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.63	95	107311	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

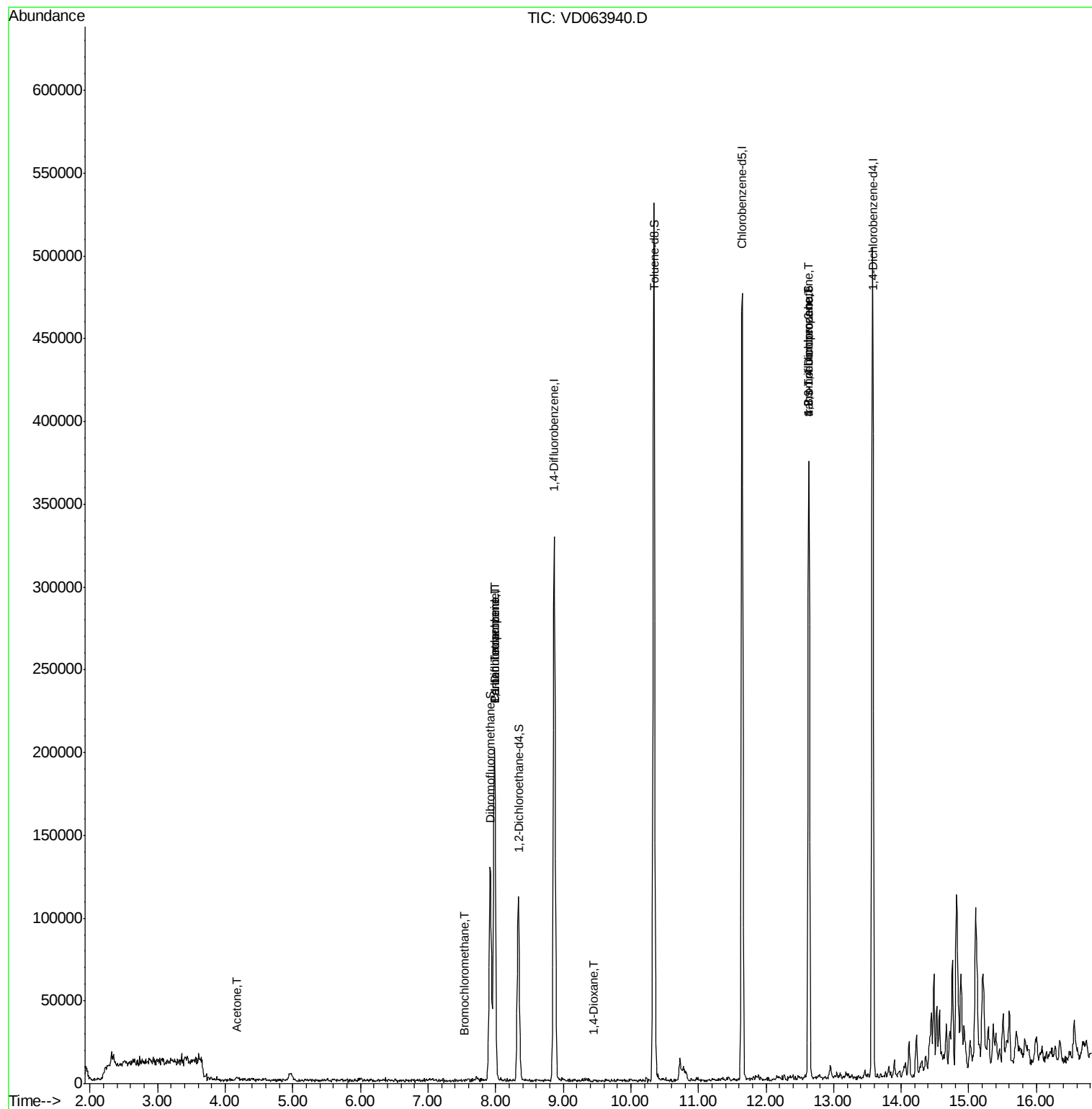
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	284	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	62	Below Cal	#	71
16) Acetone	4.16	43	3078	8.001	ug/l #	86
20) Methylene Chloride	4.96	84	2766	Below Cal	#	77
28) Bromochloromethane	7.54	49	60	1.921	ug/l #	10
31) Cyclohexane	7.98	56	4004	Below Cal	#	36
36) 1,1-Dichloropropene	7.98	75	12405	4.879	ug/l #	51
37) Ethyl Acetate	7.29	43	60	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	16335	6.357	ug/l #	18
49) 1,4-Dioxane	9.44	88	63	4.544	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	60449	67.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	60449	119.936	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	55	Below Cal	#	1

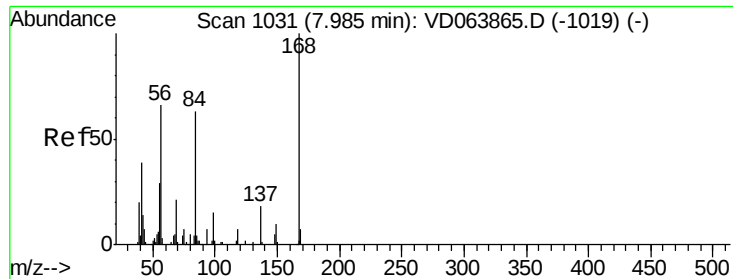
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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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: VD063940.D

Acq: 11 Oct 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

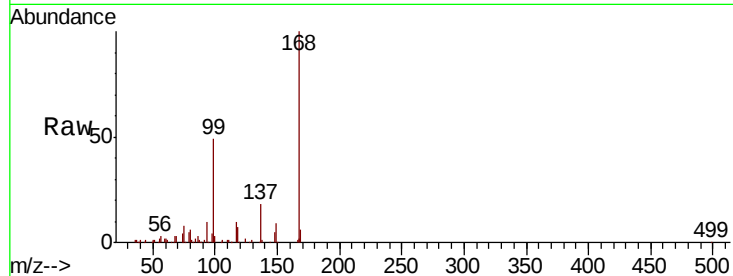
10-10-E

Tot Ion:168 Resp: 151772

Ion Ratio Lower Upper

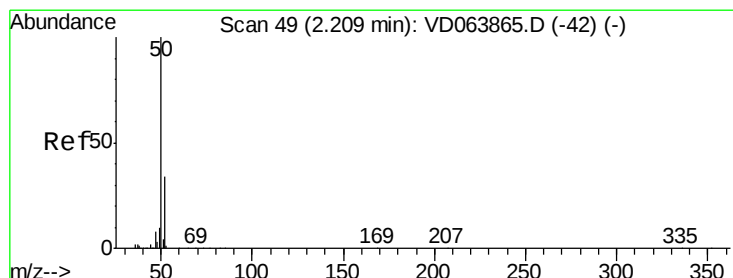
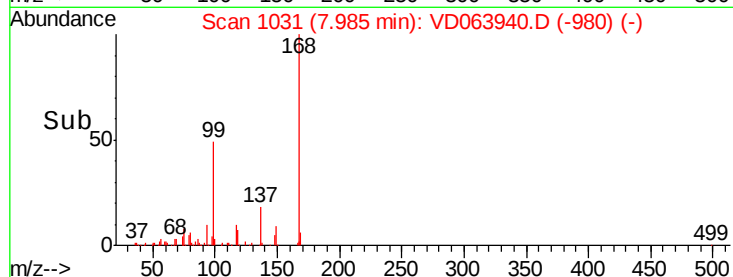
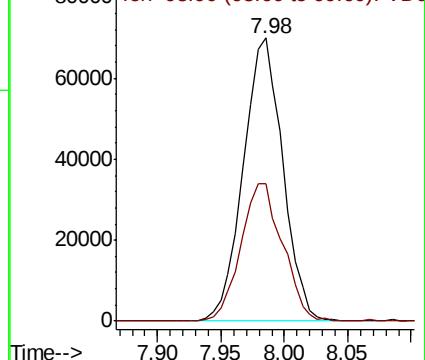
168 100

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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063940.D

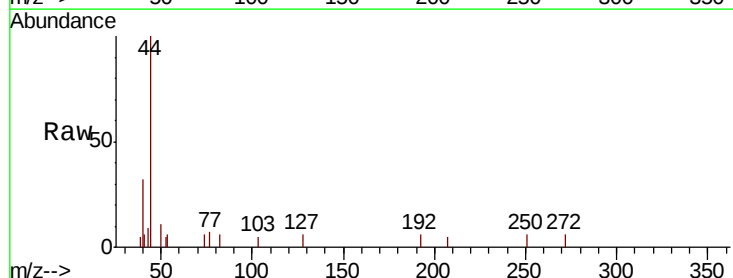
Acq: 11 Oct 2019 16:40

Tgt Ion: 50 Resp: 284

Ion Ratio Lower Upper

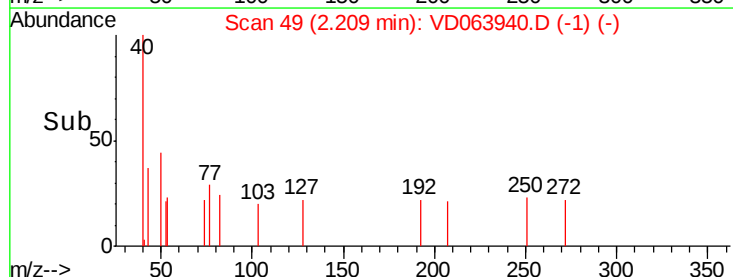
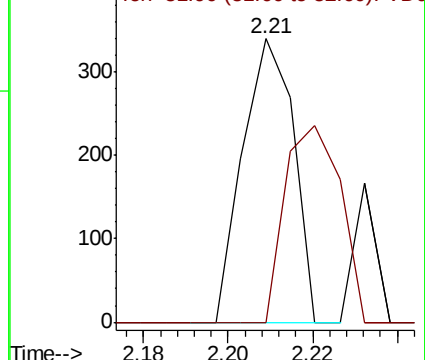
50 100

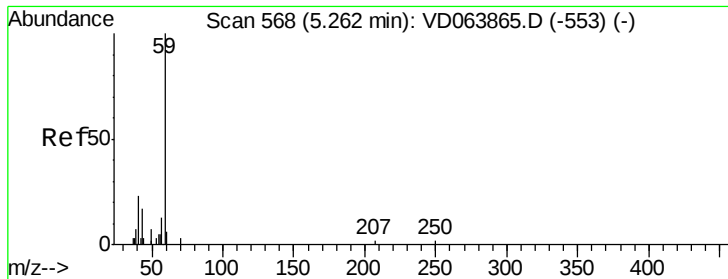
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



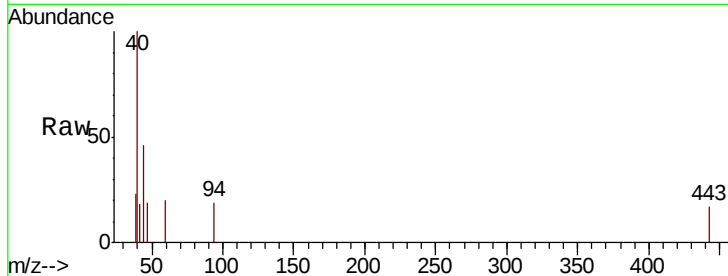


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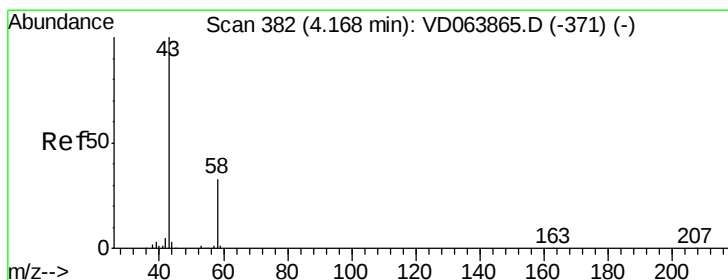
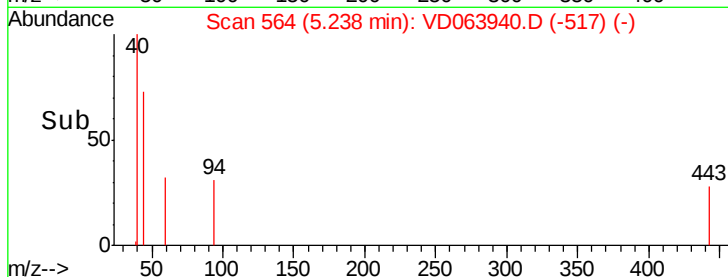
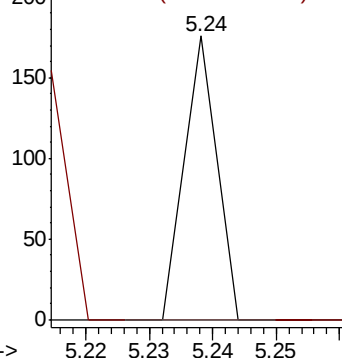
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-E

Tot Ion: 59 Resp: 62
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



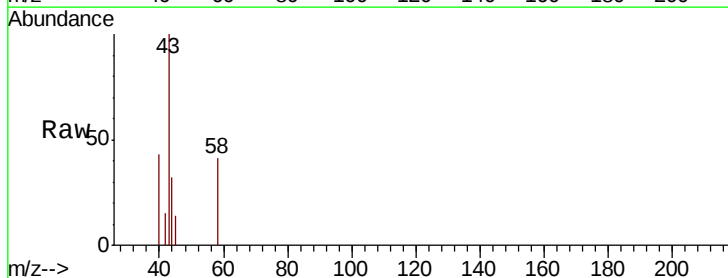
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



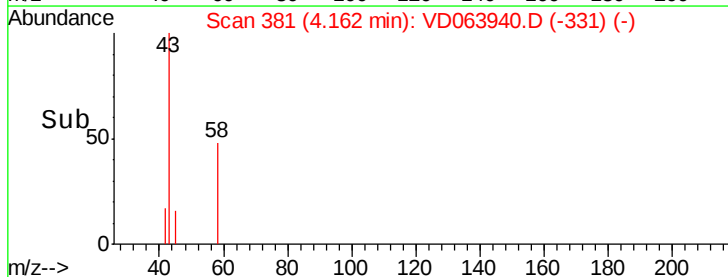
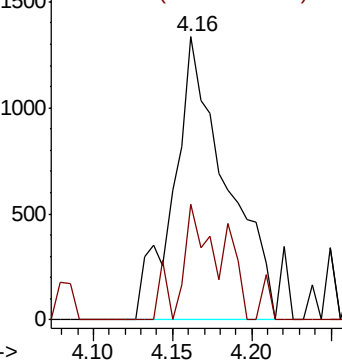
#16

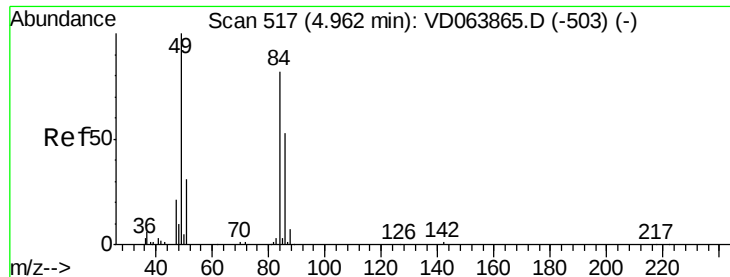
Acetone
 Concen: 8.001 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

Tgt Ion: 43 Resp: 3078
 Ion Ratio Lower Upper
 43 100
 58 40.8 26.2 39.4#



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

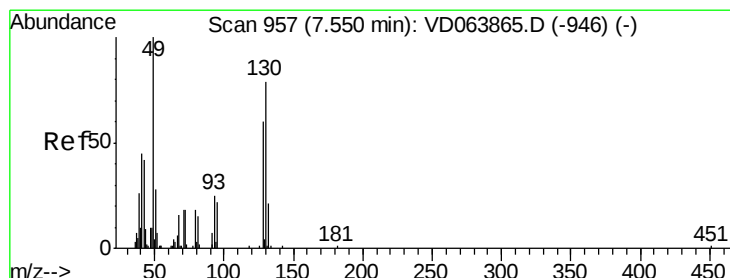
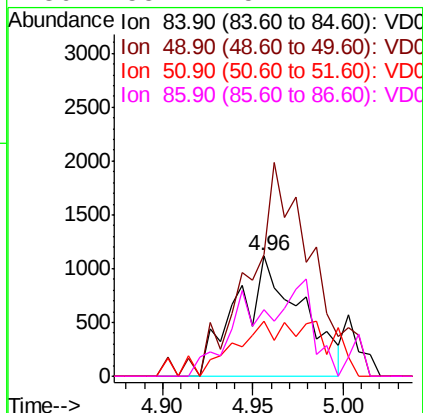
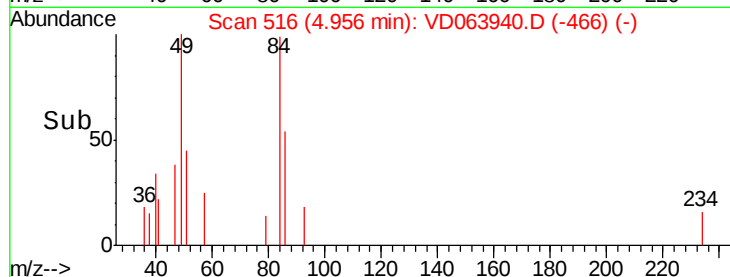
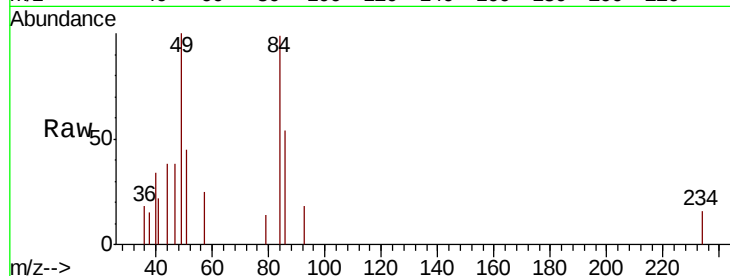




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

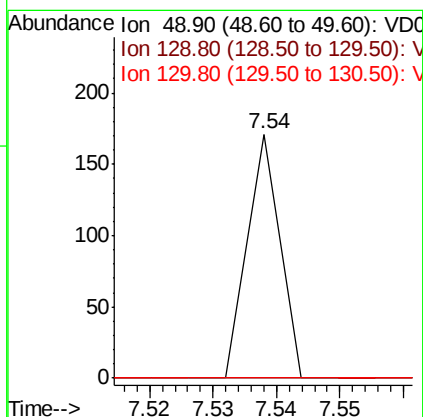
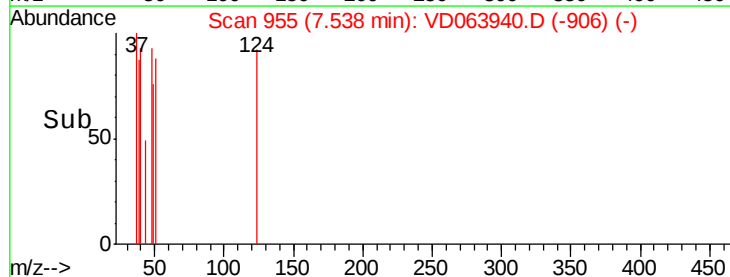
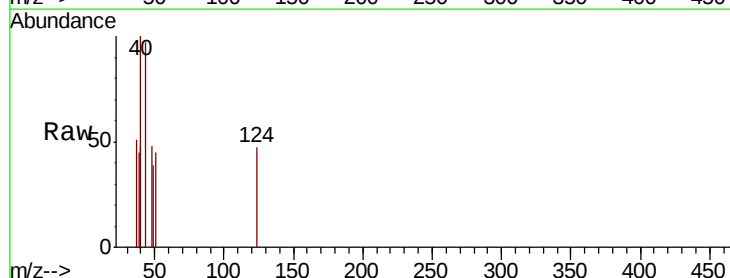
Instrument :
MSVOA_D
ClientSampleId :
10-10-E

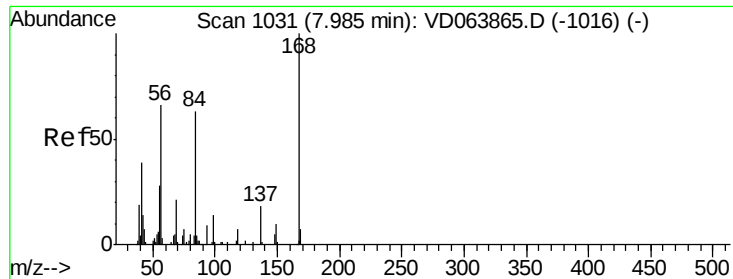
Tot Ion: 84 Resp: 2766
Ion Ratio Lower Upper
84 100
49 86.5 97.3 145.9#
51 28.2 30.1 45.1#
86 55.1 51.4 77.2



#28
Bromochloromethane
Concen: 1.921 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

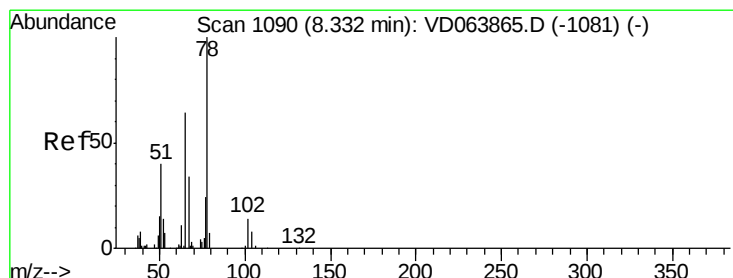
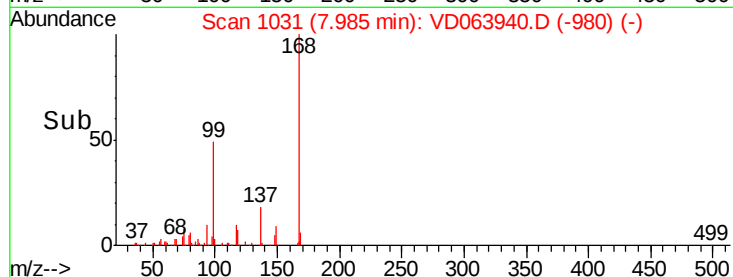
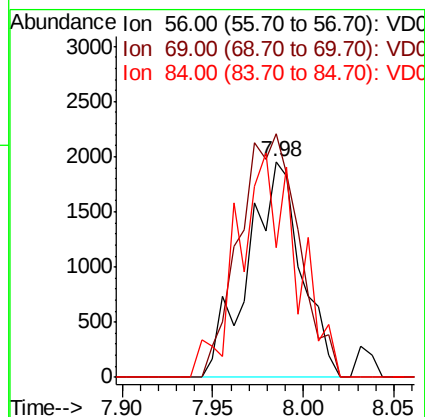
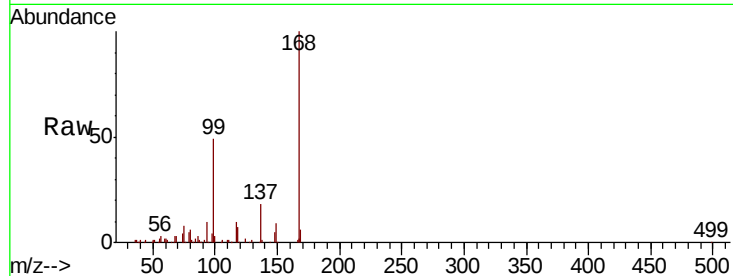




#31
Cvclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

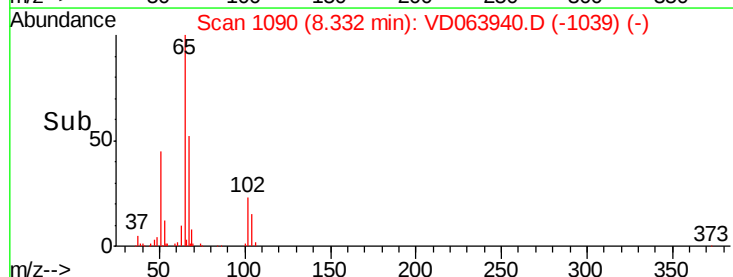
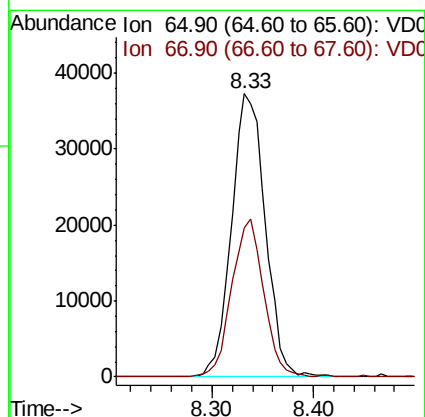
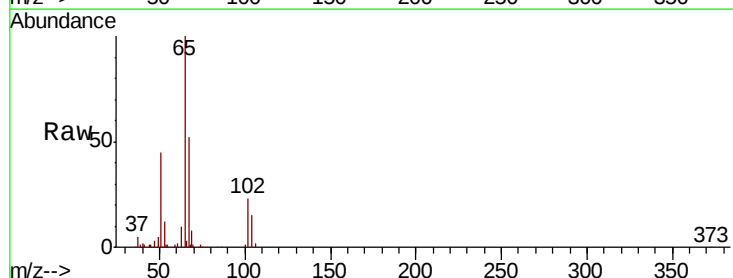
Instrument :
MSVOA_D
ClientSampleId :
10-10-E

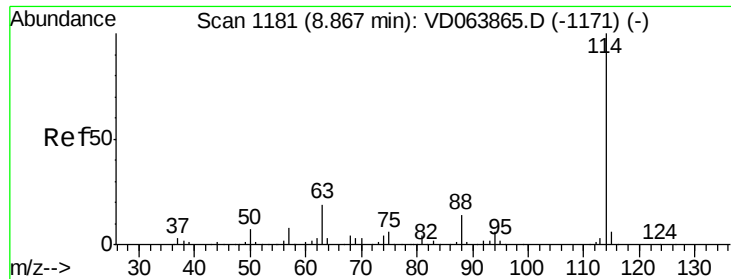
Tot Ion: 56 Resp: 4004
Ion Ratio Lower Upper
56 100
69 112.9 25.0 37.4#
84 60.0 76.3 114.5#



#33
1,2-Dichloroethane-d4
Concen: 58.173 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

Tgt Ion: 65 Resp: 85958
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.4

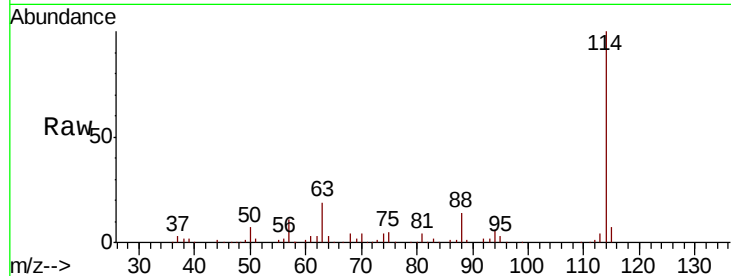




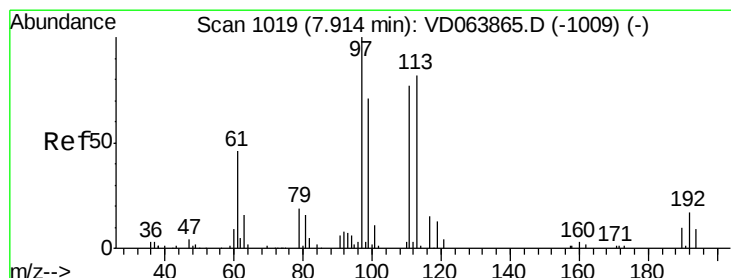
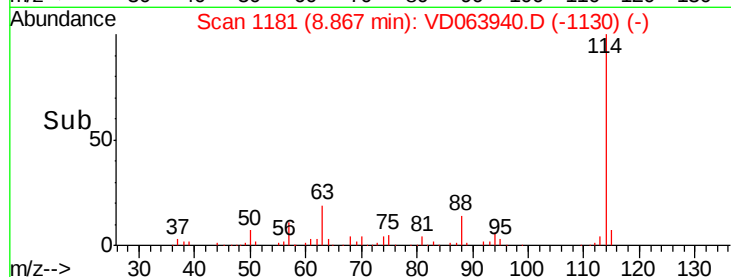
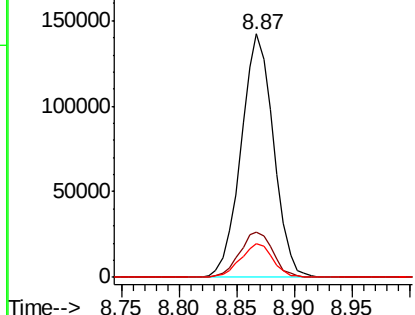
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-E

Tot Ion:114 Resp: 278094
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 13.7 0.0 27.4

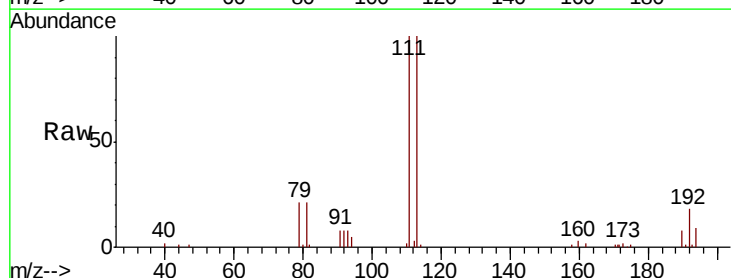


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

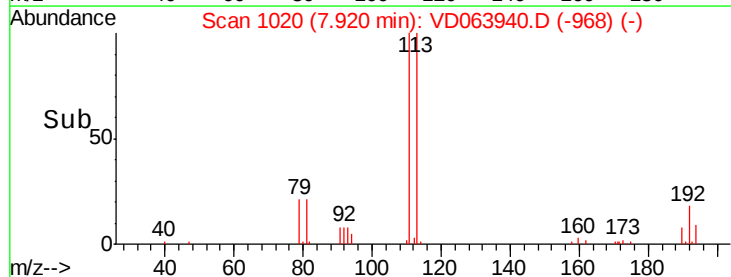
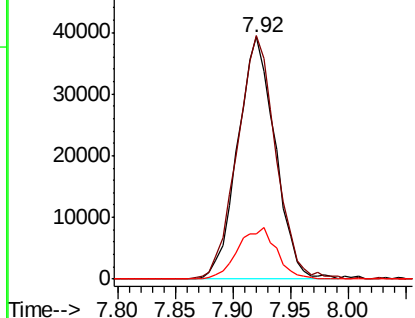


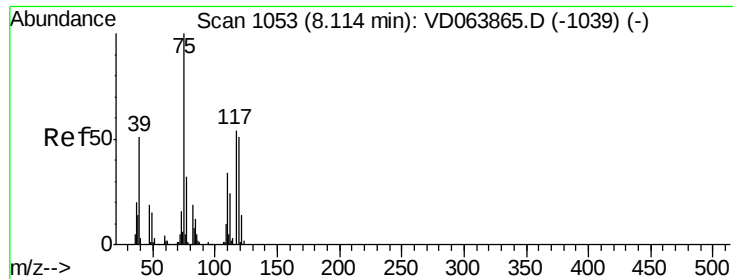
#35
 Dibromofluoromethane
 Concen: 52.153 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

Tgt Ion:113 Resp: 88635
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 123.8
 192 21.8 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

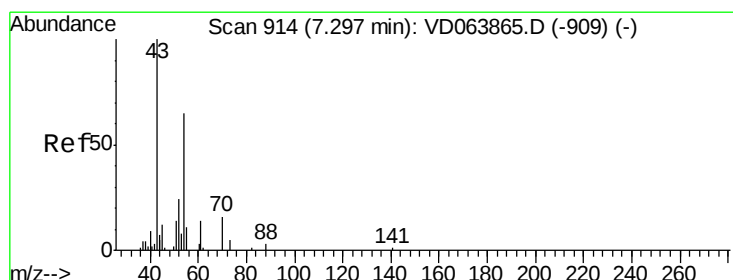
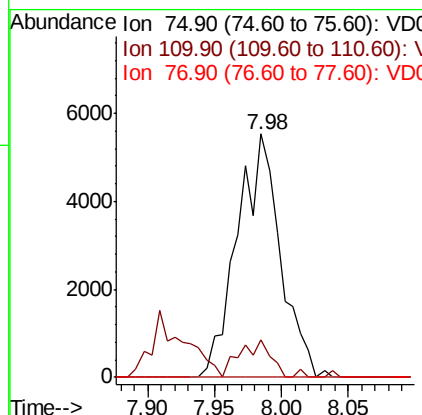
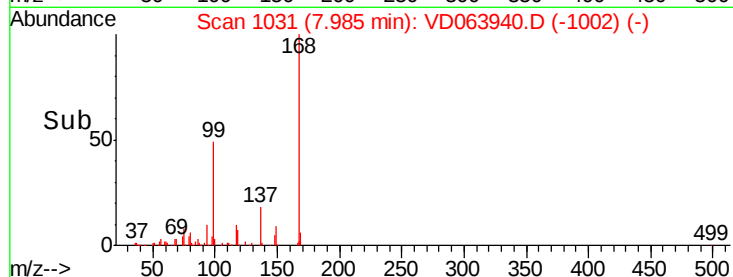
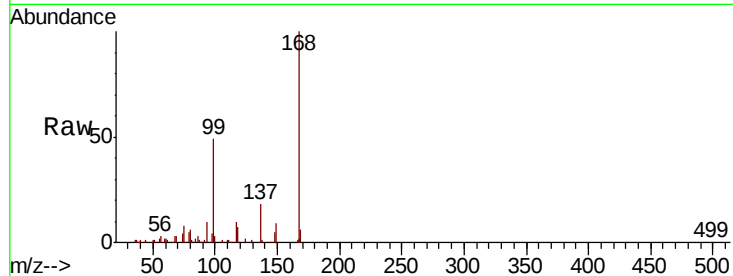




#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

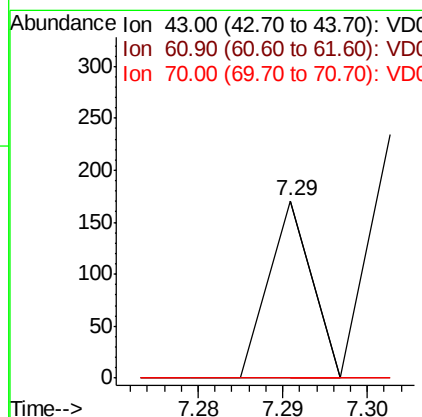
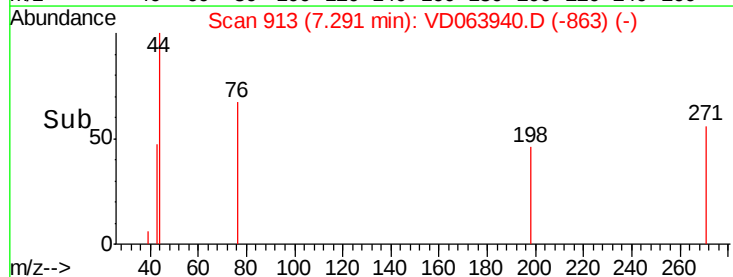
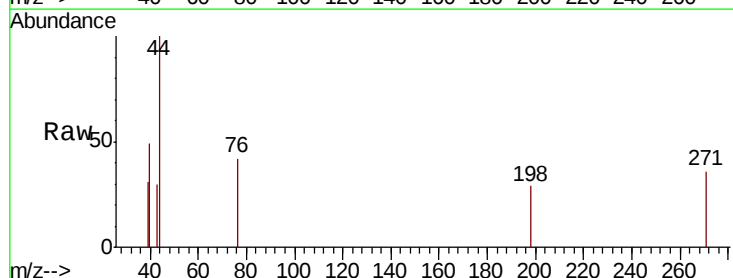
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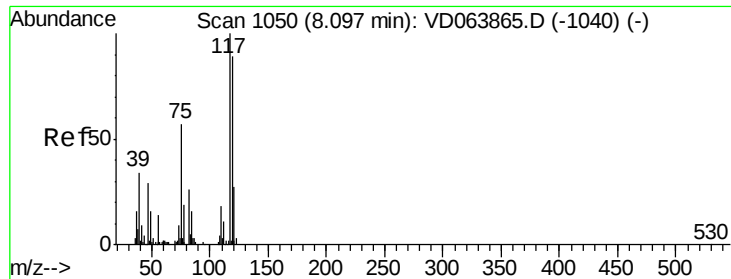
Tot Ion: 75 Resp: 12405
 Ion Ratio Lower Upper
 75 100
 110 10.9 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.29 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063940.D
 Acq: 11 Oct 2019 16:40

Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#

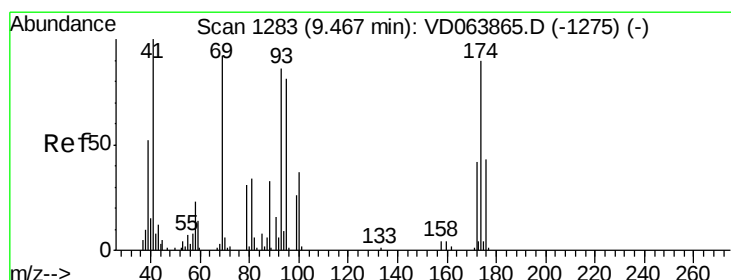
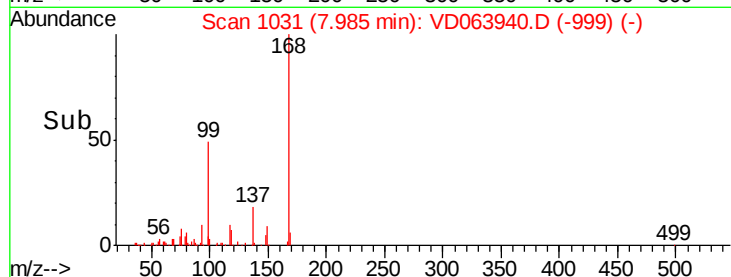
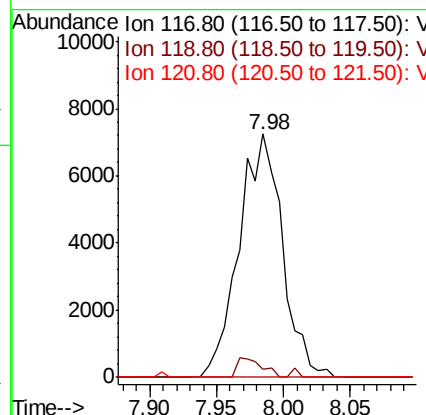
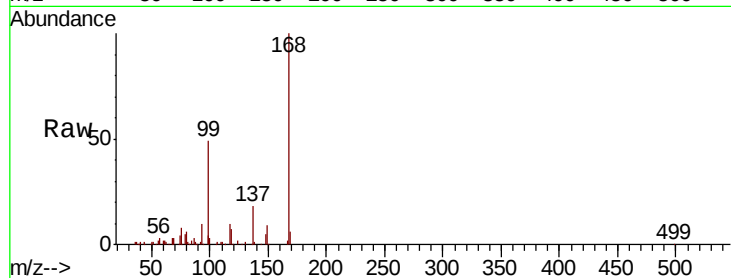




#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

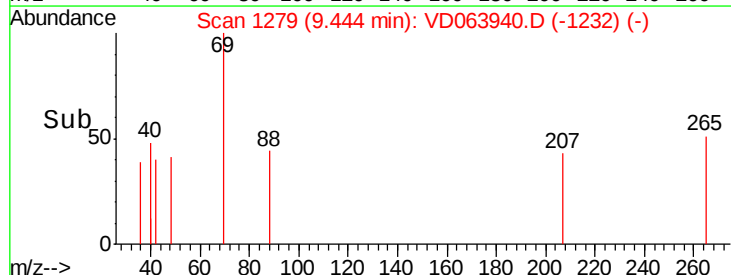
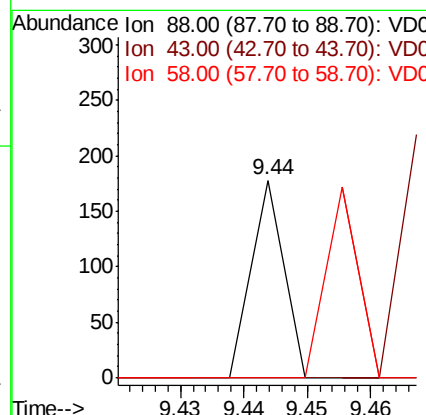
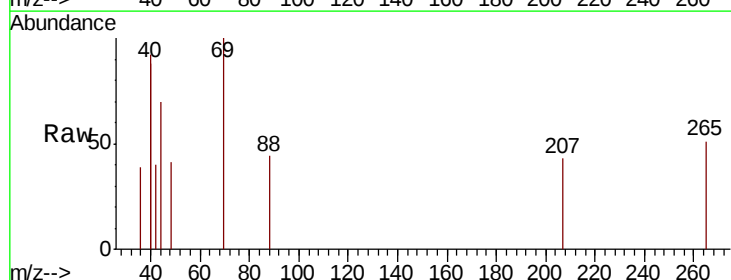
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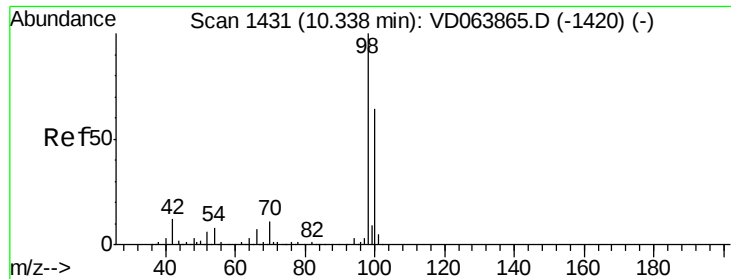
Tot Ion:117 Resp: 16335
Ion Ratio Lower Upper
117 100
119 3.3 70.8 106.2#
121 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 4.544 ug/l
RT: 9.44 min Scan# 1279
Delta R.T. -0.02 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 53.307 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063940.D

Acq: 11 Oct 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

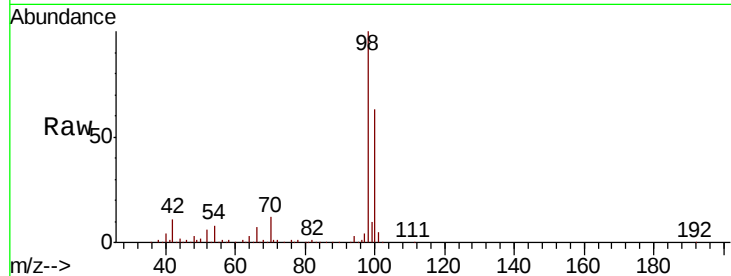
10-10-E

Tot Ion: 98 Resp: 367719

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VD063865.D (-1420) (-)

Ion 100.00 (99.70 to 100.70): VD063865.D (-1420) (-)

10.34

200000

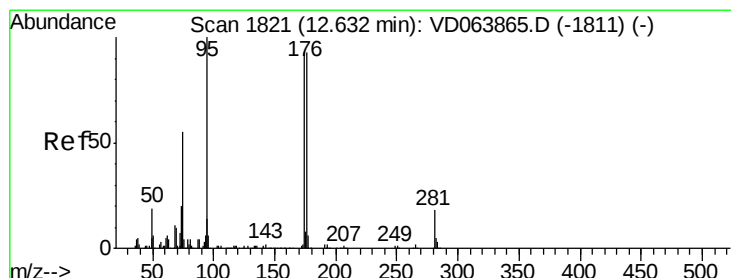
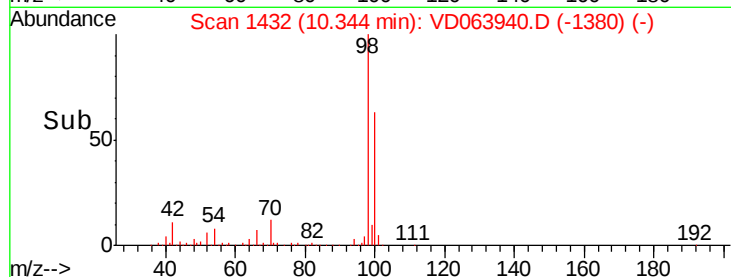
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.767 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063940.D

Acq: 11 Oct 2019 16:40

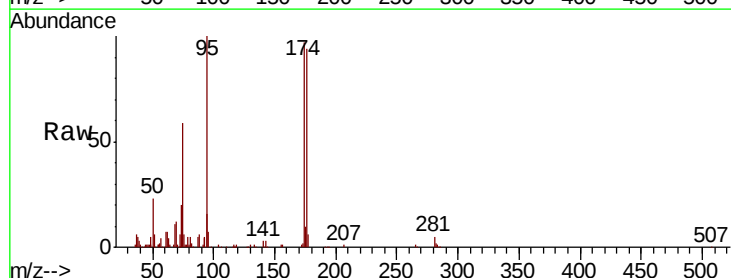
Tgt Ion: 95 Resp: 107311

Ion Ratio Lower Upper

95 100

174 96.2 0.0 186.4

176 94.2 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD063865.D (-1811) (-)

Ion 173.80 (173.50 to 174.50): VD063865.D (-1811) (-)

Ion 175.80 (175.50 to 176.50): VD063865.D (-1811) (-)

12.63

80000

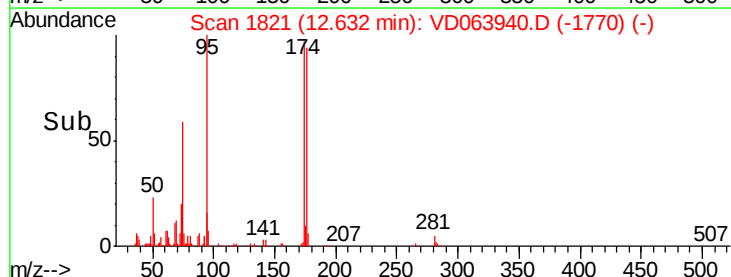
60000

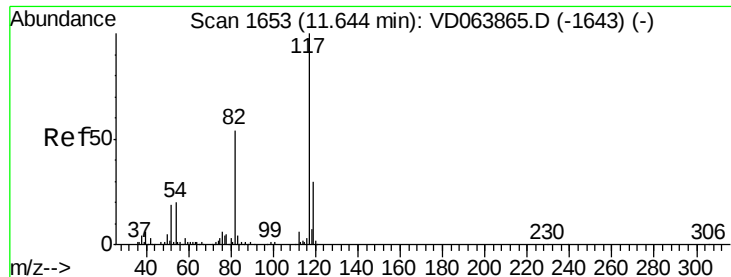
40000

20000

0

Time-->

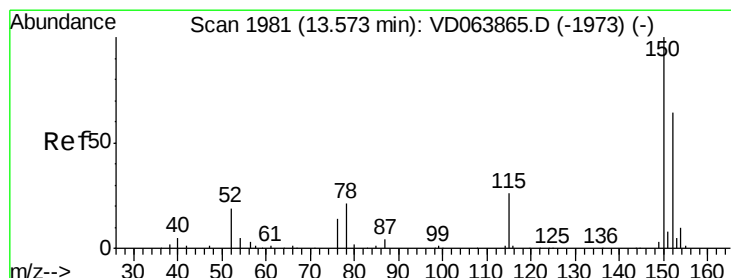
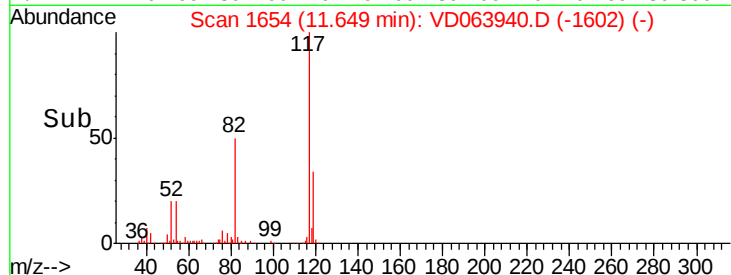
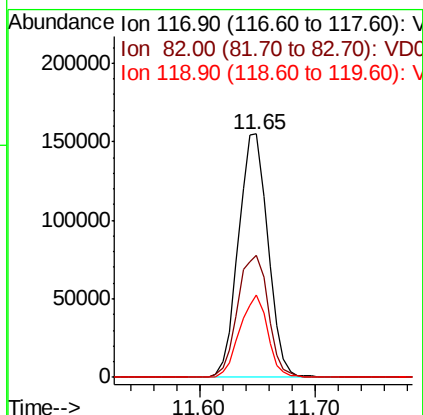
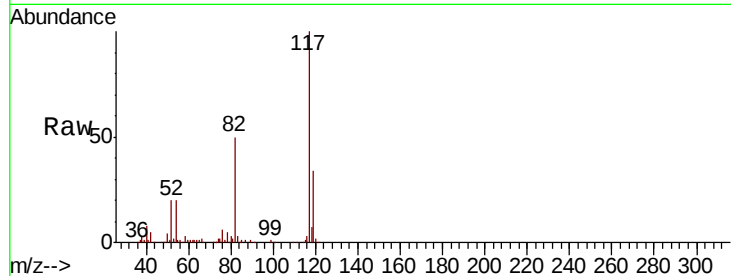




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

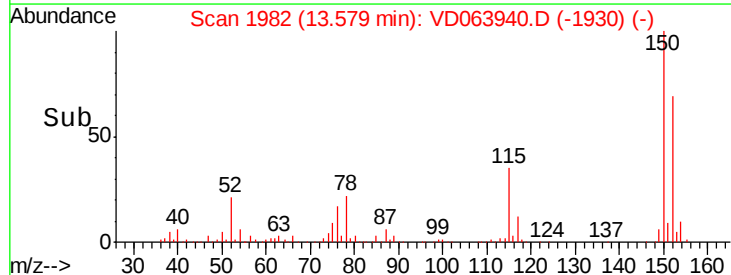
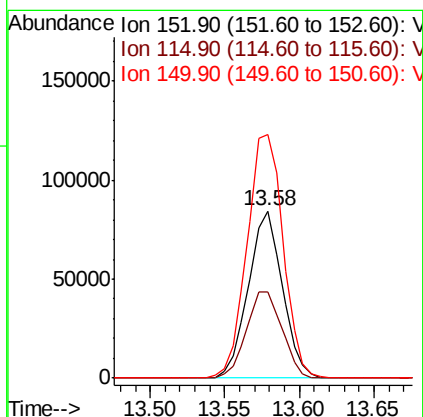
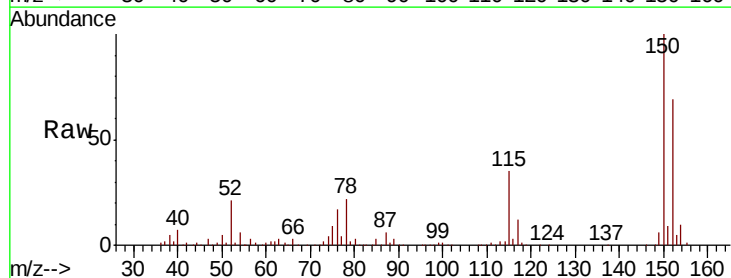
Instrument :
MSVOA_D
ClientSampleId :
10-10-E

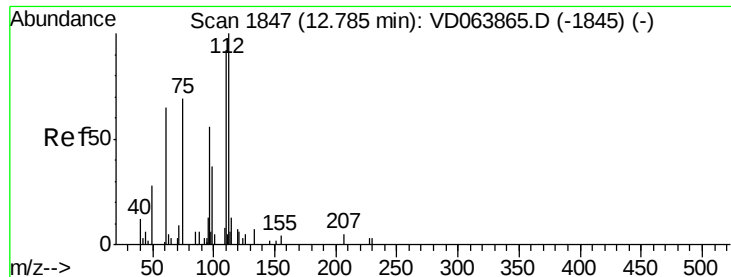
Tot Ion:117 Resp: 275963
Ion Ratio Lower Upper
117 100
82 50.3 42.8 64.2
119 34.1 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063940.D
Acq: 11 Oct 2019 16:40

Tgt Ion:152 Resp: 133164
Ion Ratio Lower Upper
152 100
115 54.4 25.9 77.7
150 154.1 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 67.776 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063940.D

Acq: 11 Oct 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

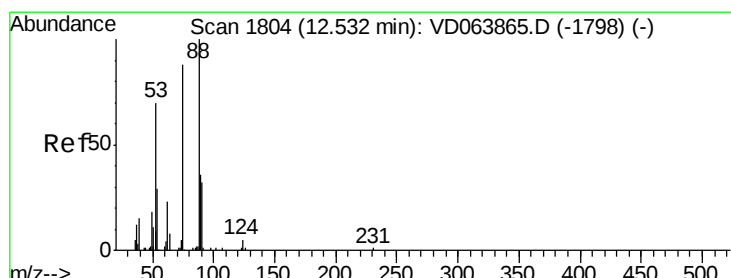
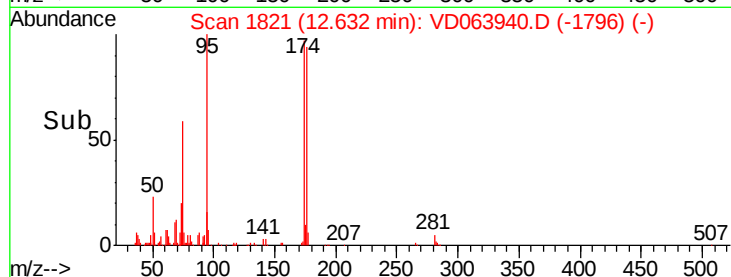
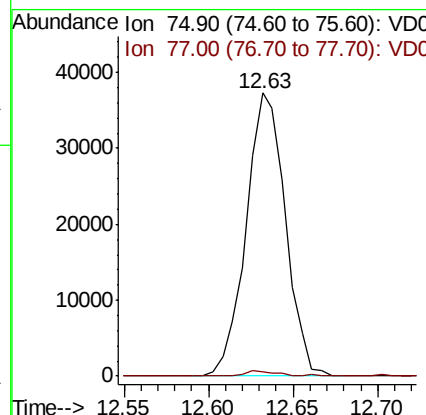
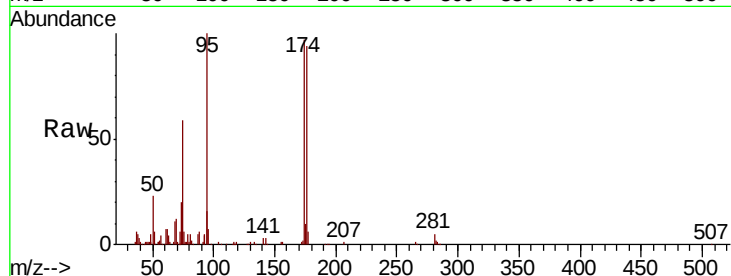
10-10-E

Tot Ion: 75 Resp: 60449

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.936 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063940.D

Acq: 11 Oct 2019 16:40

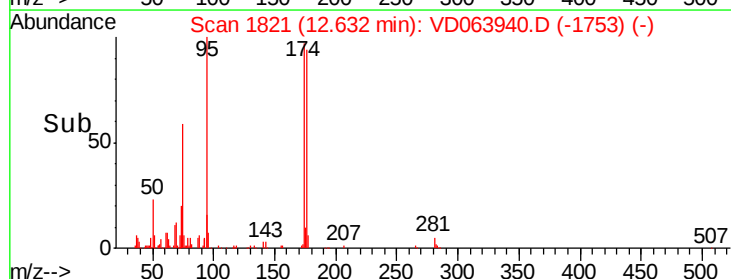
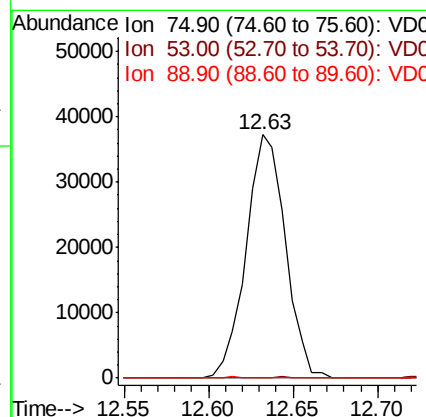
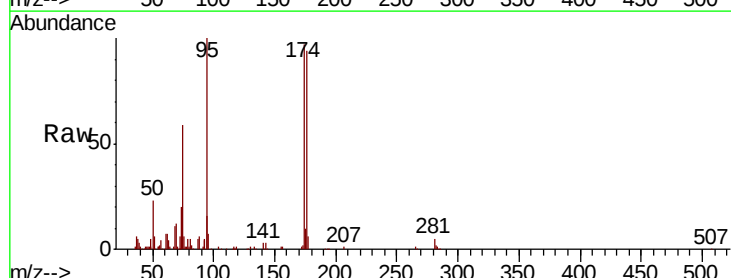
Tgt Ion: 75 Resp: 60449

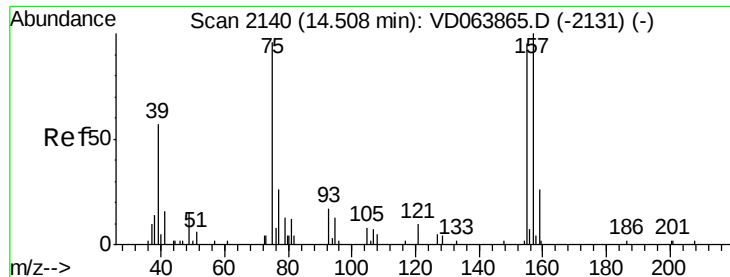
Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD063940.D

Acq: 11 Oct 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

10-10-E

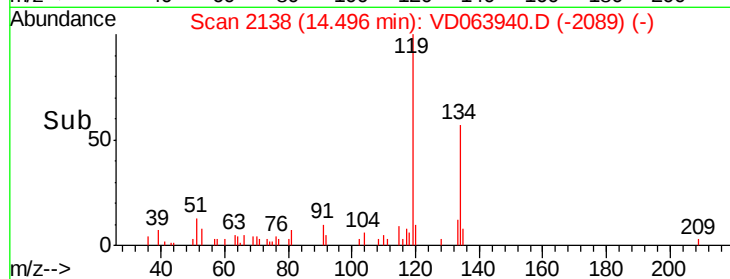
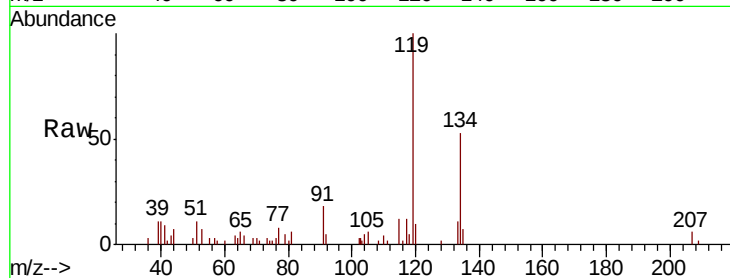
Tot Ion: 75 Resp: 55

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

