

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063716.D
 Acq On : 21 Aug 2019 16:42
 Operator : JC/SY
 Sample : K4386-18
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A3-(2)

Quant Time: Aug 22 01:27:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	973151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1308526	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	997676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	400909	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	488618	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	6.93	113	571974	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.41	98	1121160	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	13.55	95	390509	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	

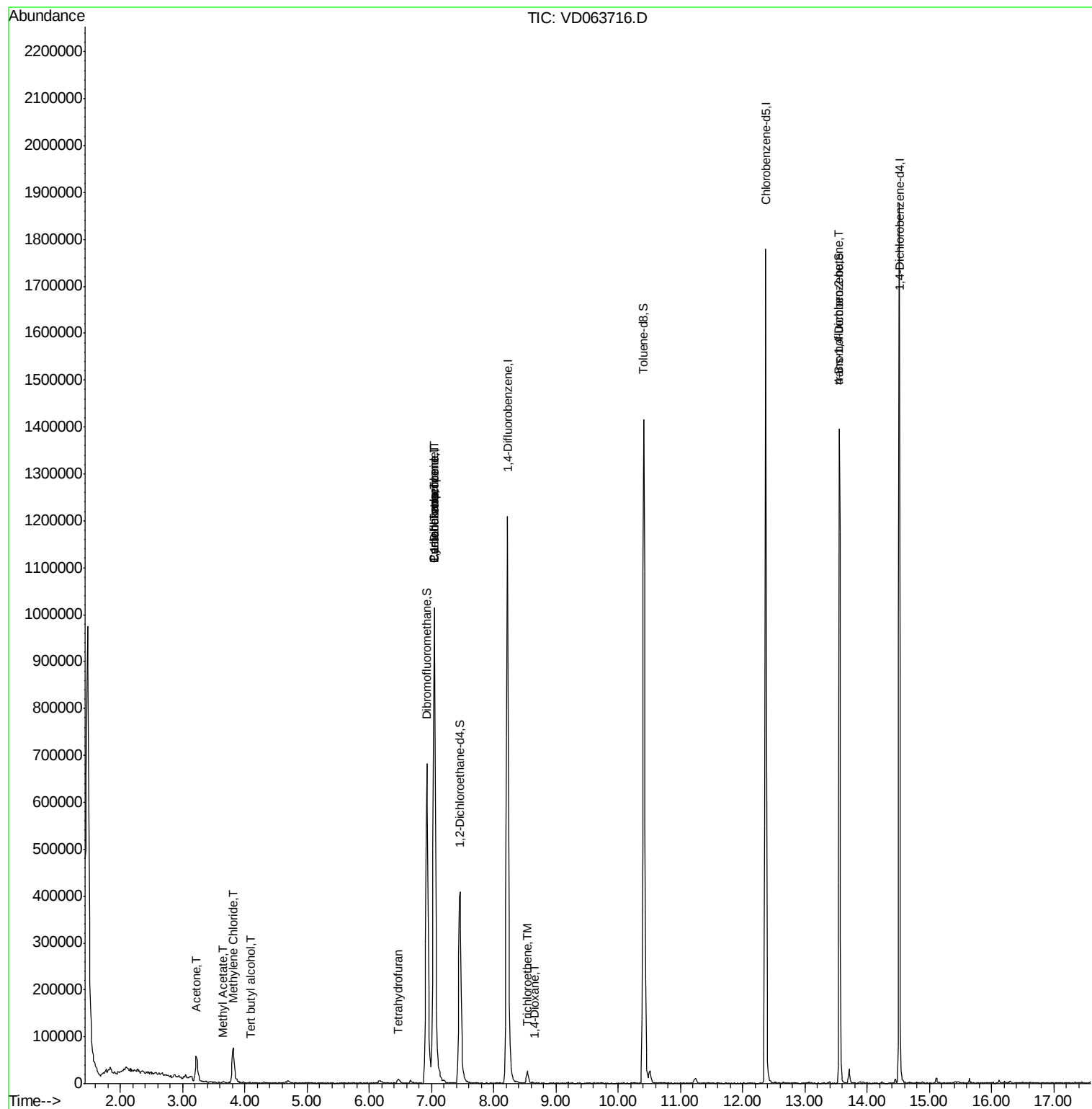
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	2368	5.229	ug/l #	71
16) Acetone	3.23	43	115973	54.845	ug/l	96
18) Methyl Acetate	3.65	43	4037	1.008	ug/l #	82
20) Methylene Chloride	3.82	84	46306	5.064	ug/l #	85
29) Tetrahydrofuran	6.47	42	7755	7.969	ug/l #	75
31) Cyclohexane	7.06	56	18937	2.016	ug/l #	11
36) 1,1-Dichloropropene	7.05	75	70347	6.081	ug/l #	49
38) Carbon Tetrachloride	7.05	117	101155	5.802	ug/l #	17
44) Trichloroethene	8.54	130	11478	1.180	ug/l	81
49) 1,4-Dioxane	8.66	88	184	29.304	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.55	75	182455	147.539	ug/l #	1

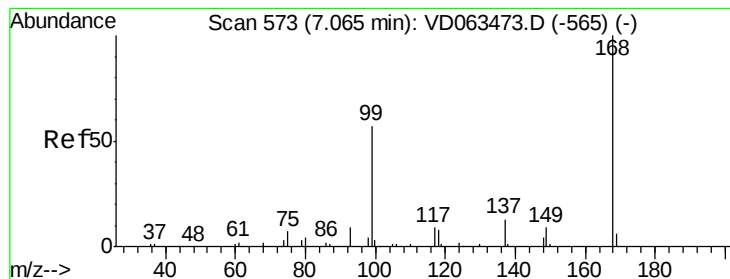
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

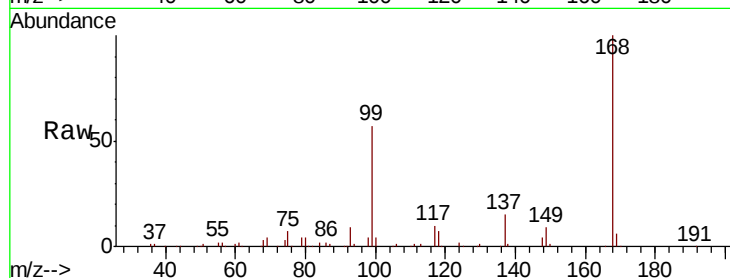
T6-A3-(2)

Tgt Ion:168 Resp: 973151

Ion Ratio Lower Upper

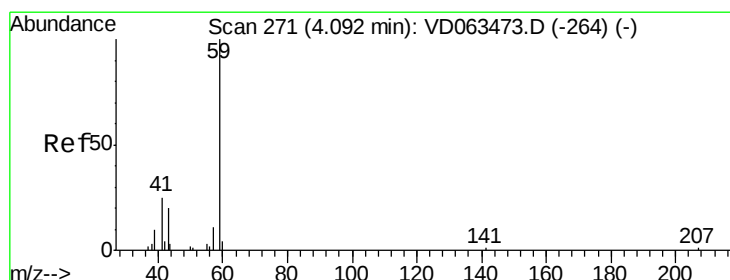
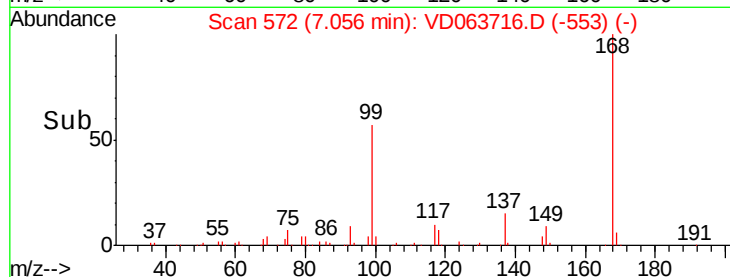
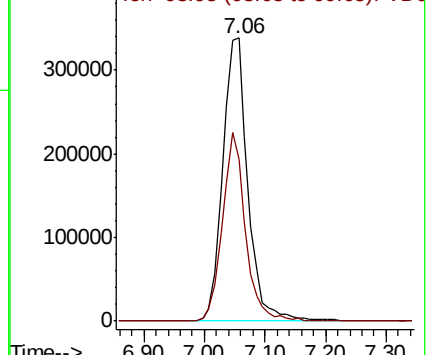
168 100

99 57.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.229 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.01 min

Lab File: VD063716.D

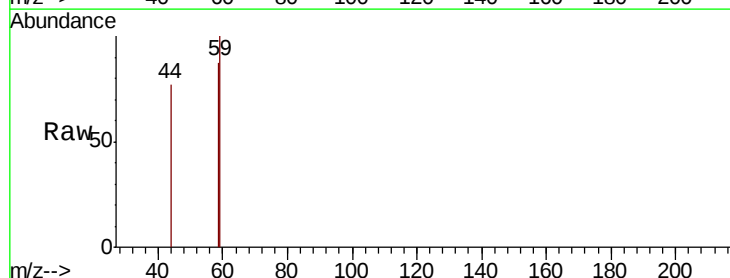
Acq: 21 Aug 2019 16:42

Tgt Ion: 59 Resp: 2368

Ion Ratio Lower Upper

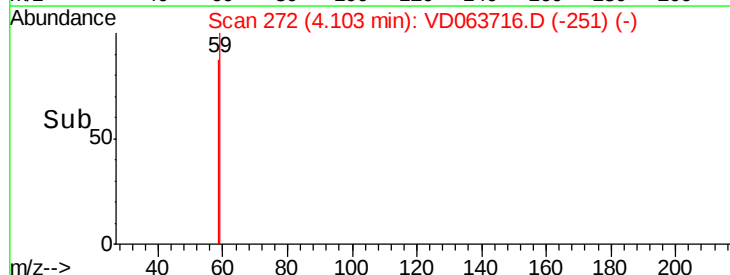
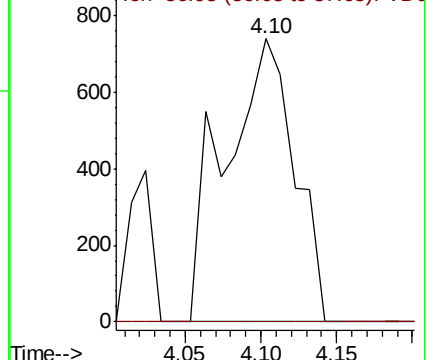
59 100

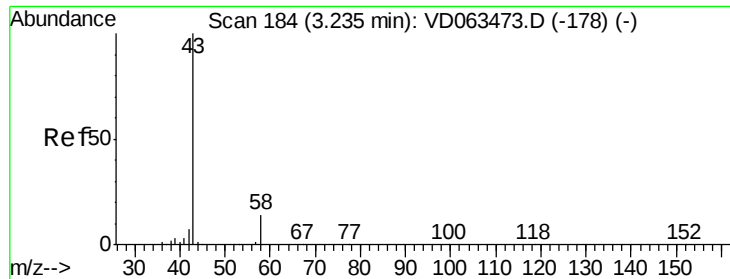
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 54.845 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

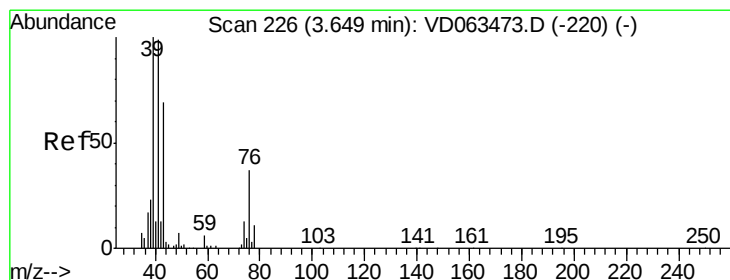
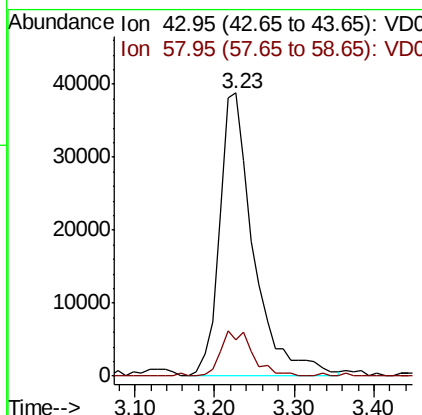
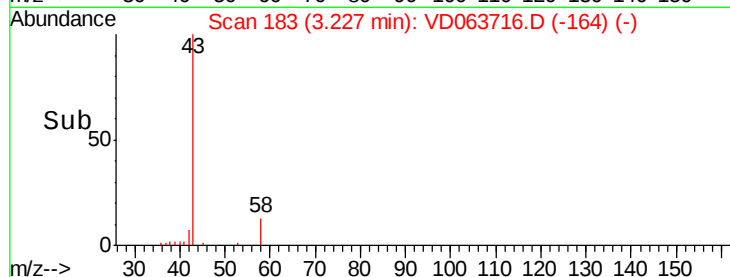
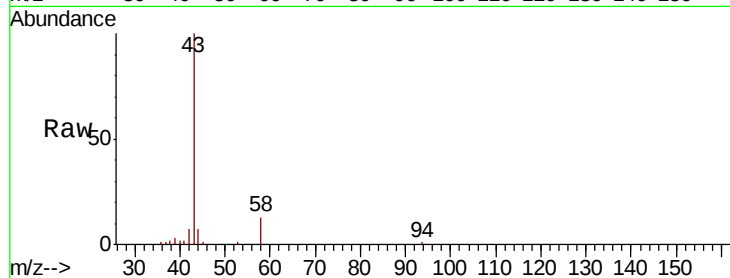
T6-A3-(2)

Tgt Ion: 43 Resp: 115973

Ion Ratio Lower Upper

43 100

58 12.9 11.4 17.2



#18

Methyl Acetate

Concen: 1.008 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD063716.D

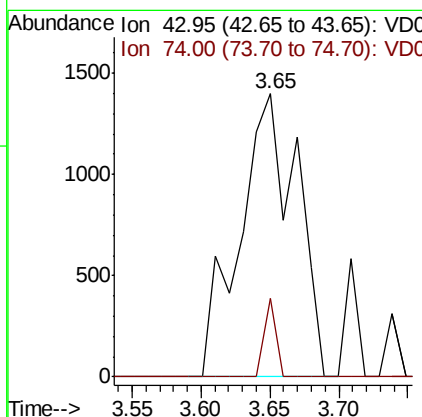
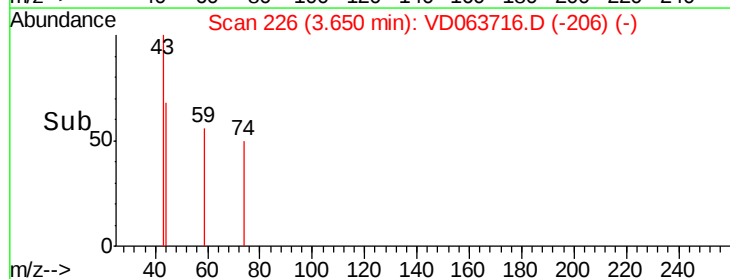
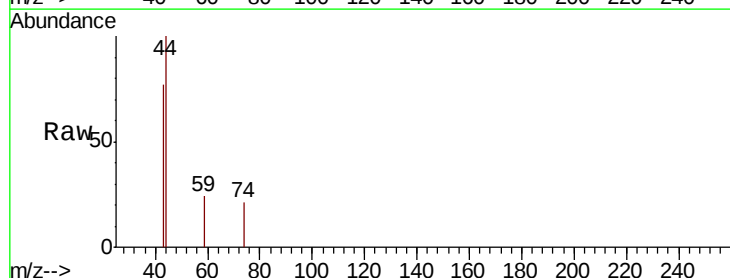
Acq: 21 Aug 2019 16:42

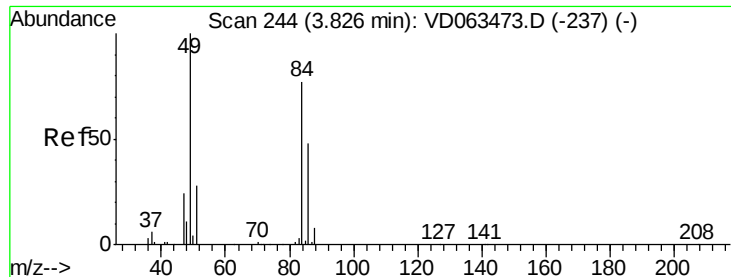
Tgt Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

74 27.7 15.4 23.2#

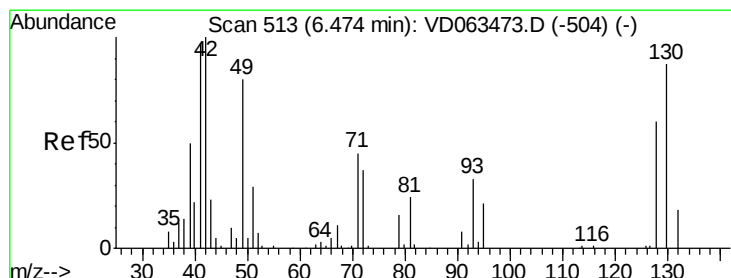
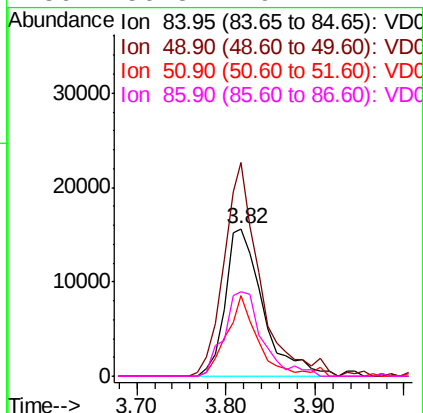
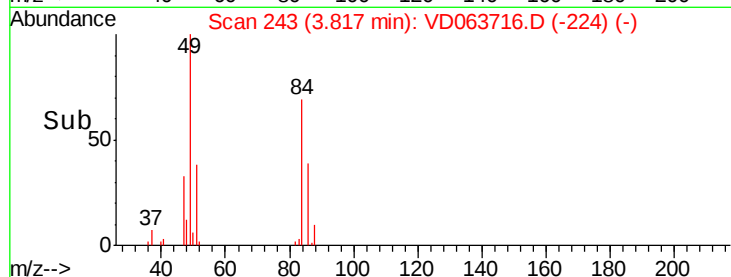
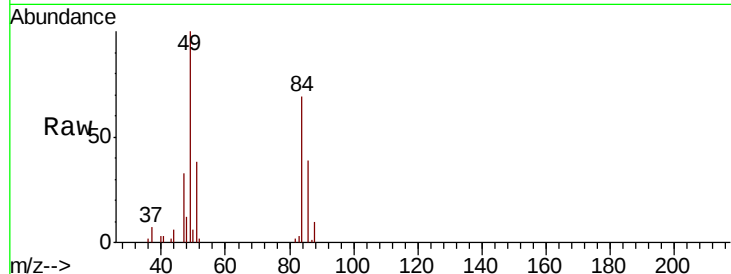




#20
Methylene Chloride
Concen: 5.064 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

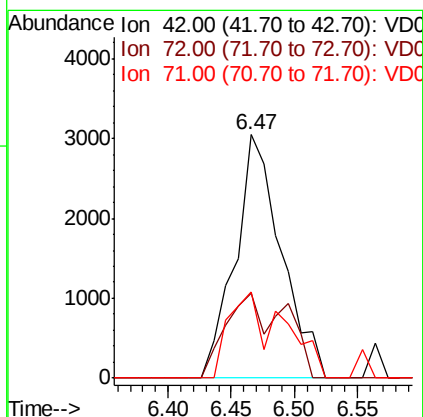
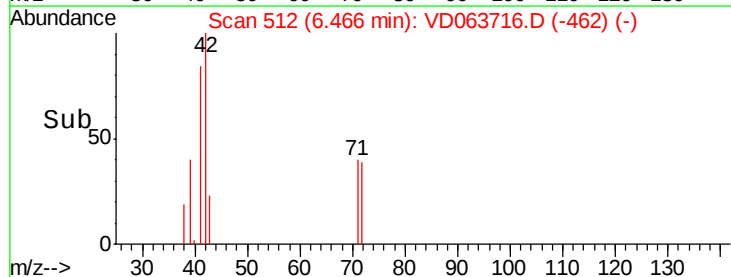
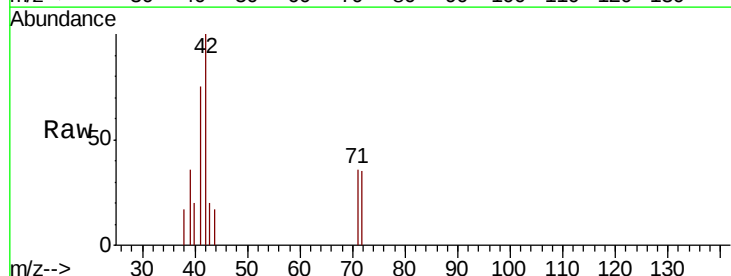
Instrument :
MSVOA_D
ClientSampleId :
T6-A3-(2)

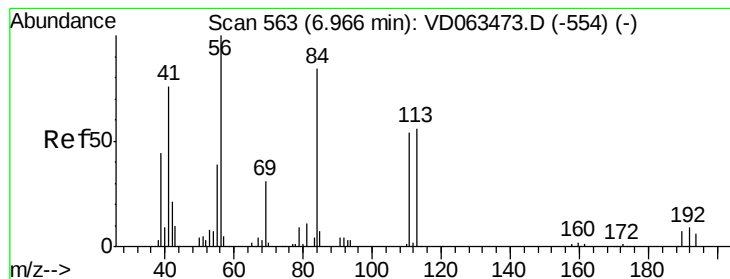
Tgt Ion: 84 Resp: 46306
Ion Ratio Lower Upper
84 100
49 144.7 103.4 155.2
51 55.0 28.5 42.7#
86 56.8 49.4 74.2



#29
Tetrahydrofuran
Concen: 7.969 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

Tgt Ion: 42 Resp: 7755
Ion Ratio Lower Upper
42 100
72 27.0 31.5 47.3#
71 23.4 33.8 50.8#





#31

Cyclohexane

Concen: 2.016 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T6-A3-(2)

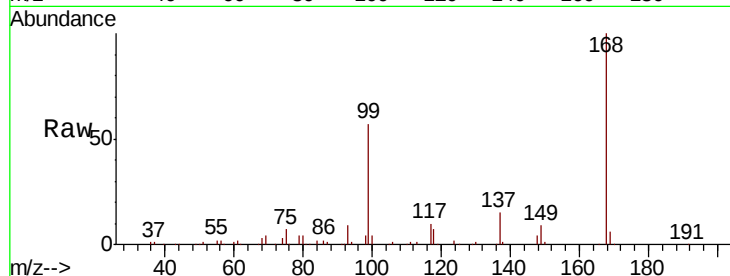
Tgt Ion: 56 Resp: 18937

Ion Ratio Lower Upper

56 100

69 216.7 25.0 37.6#

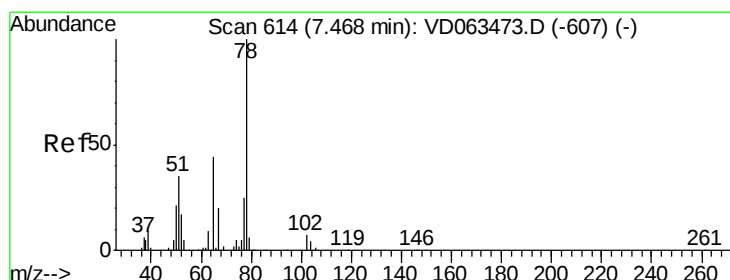
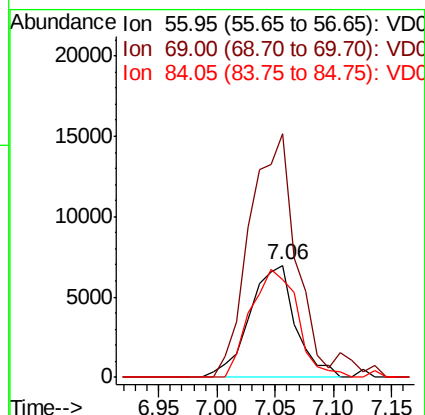
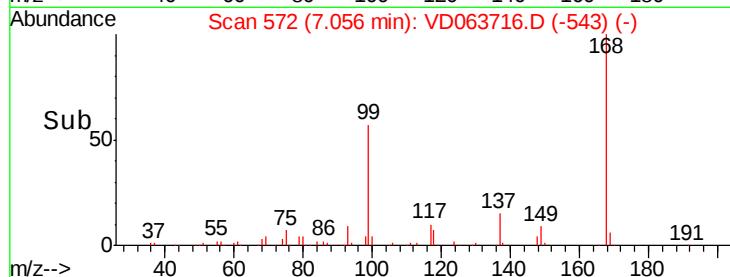
84 86.7 69.7 104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 46.972 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063716.D

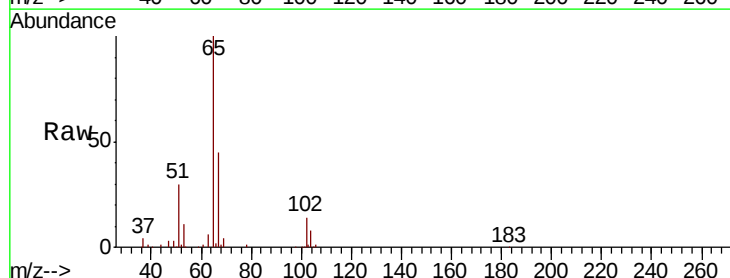
Acq: 21 Aug 2019 16:42

Tgt Ion: 65 Resp: 488618

Ion Ratio Lower Upper

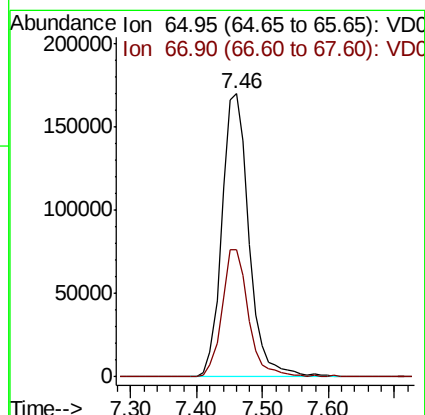
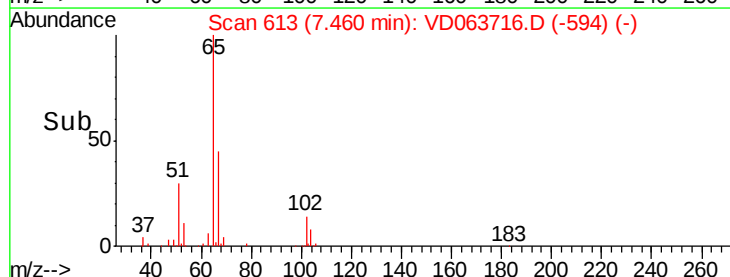
65 100

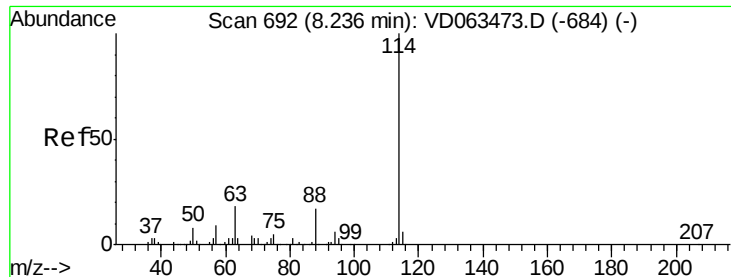
67 45.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T6-A3-(2)

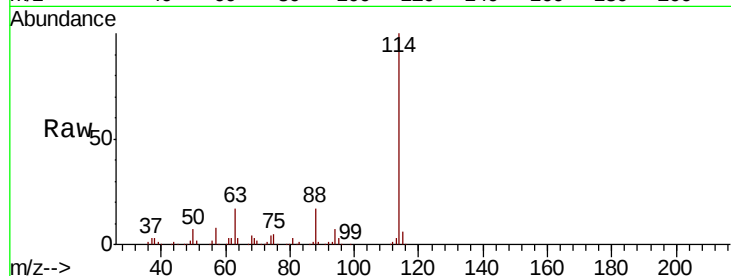
Tgt Ion:114 Resp: 1308526

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.2

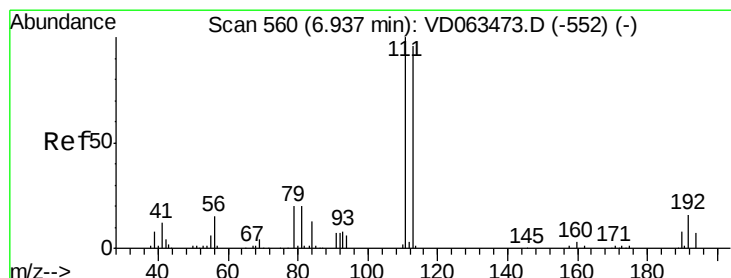
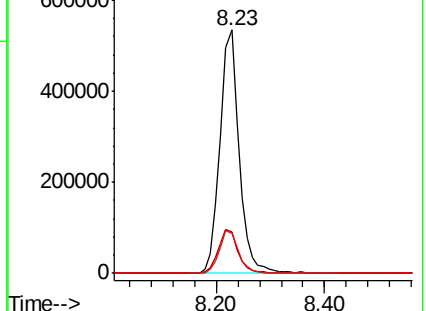
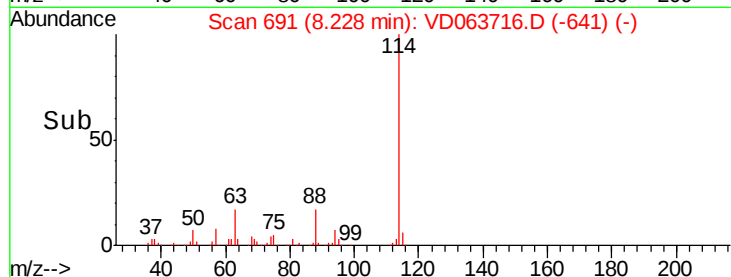
88 16.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.901 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

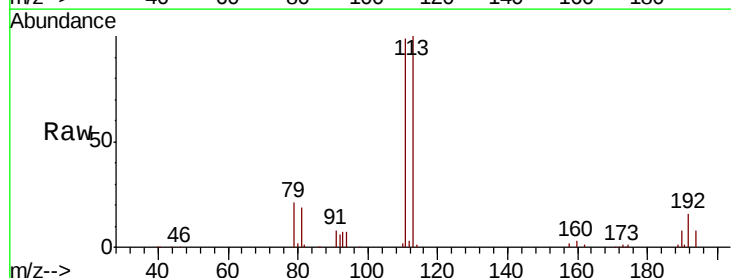
Tgt Ion:113 Resp: 571974

Ion Ratio Lower Upper

113 100

111 99.5 83.1 124.7

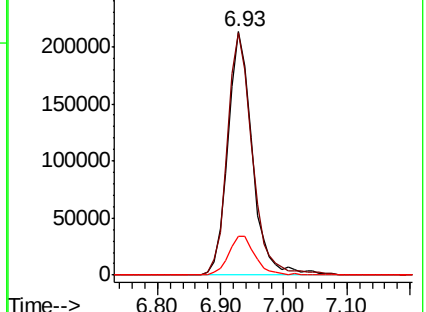
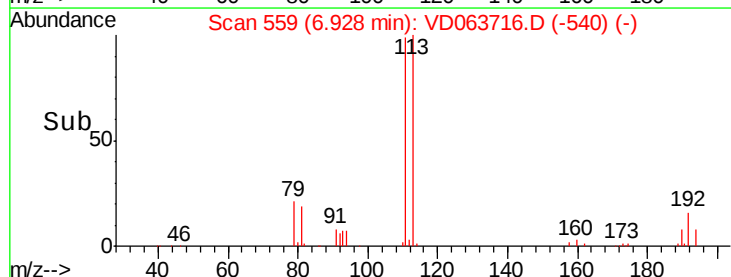
192 16.1 13.1 19.7

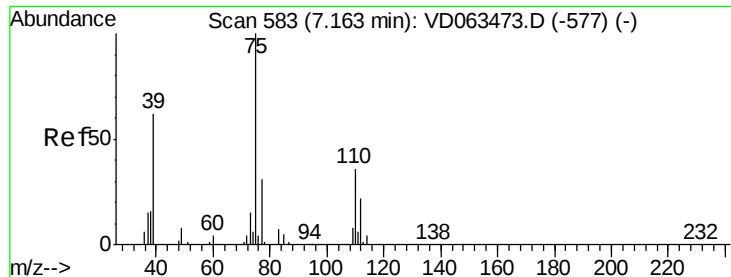


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

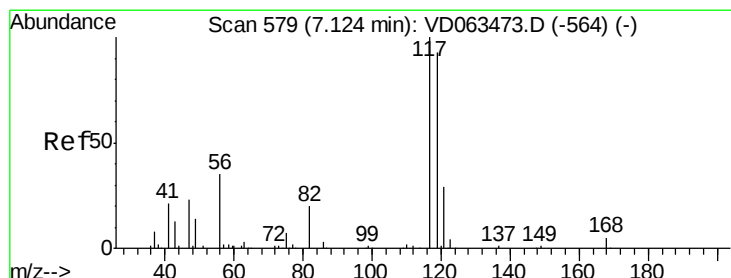
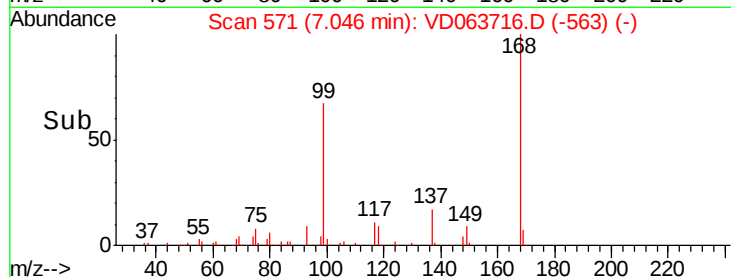
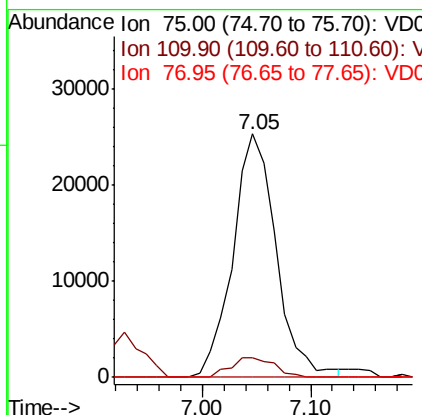
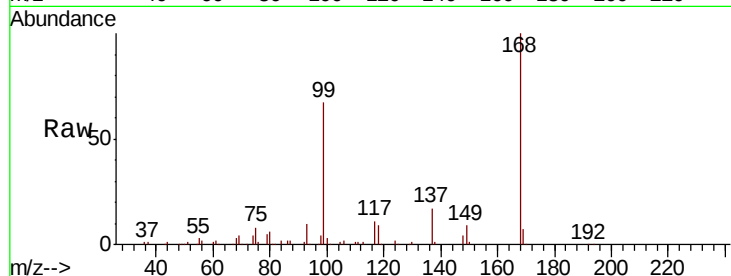




#36
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063716.D
 Acq: 21 Aug 2019 16:42

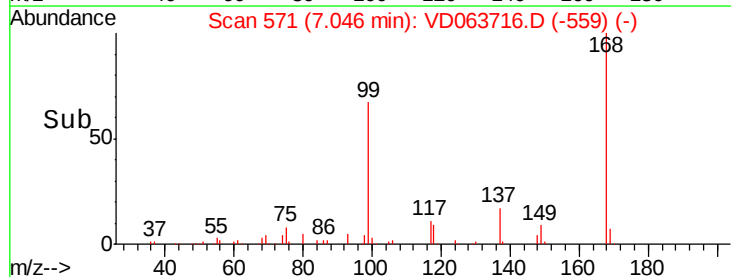
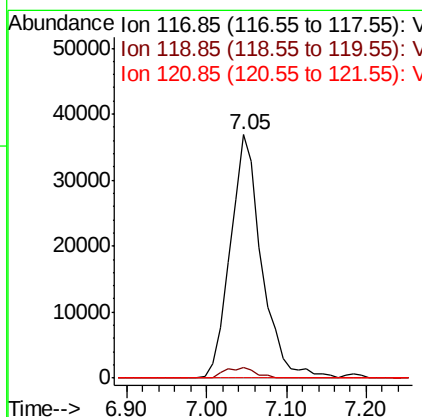
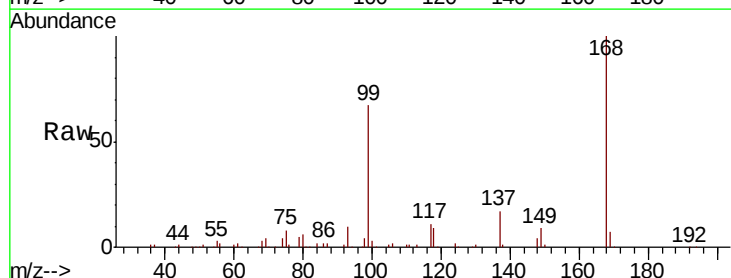
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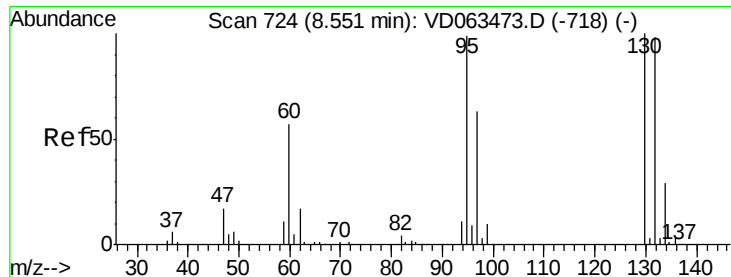
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.802 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063716.D
 Acq: 21 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.2	111.2#
121	0.0	23.1	34.7#

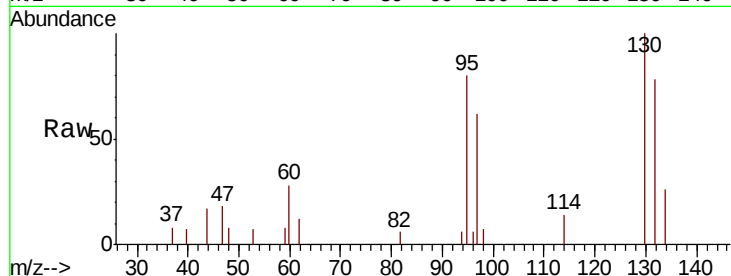




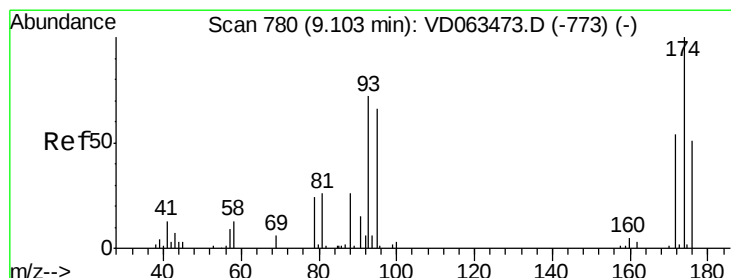
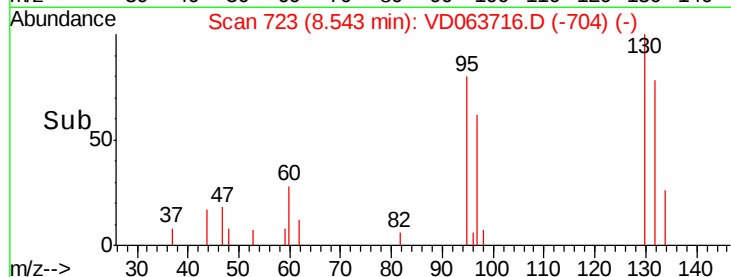
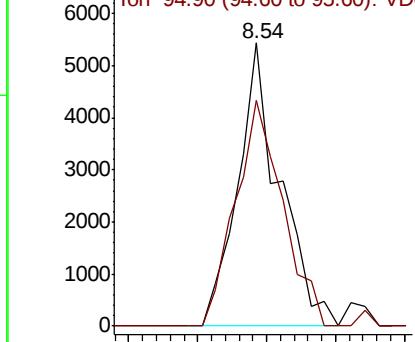
#44
 Trichloroethene
 Concen: 1.180 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD063716.D
 Acq: 21 Aug 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A3-(2)

Tgt Ion: 130 Resp: 11478
 Ion Ratio Lower Upper
 130 100
 95 79.9 0.0 198.0

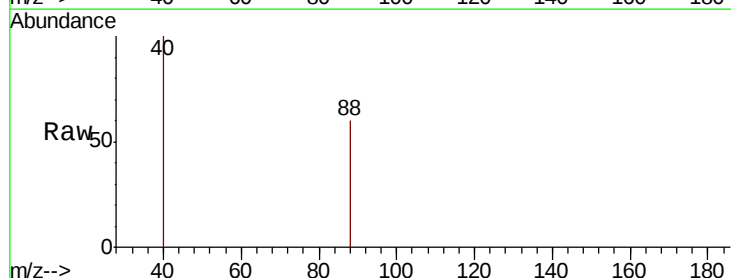


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

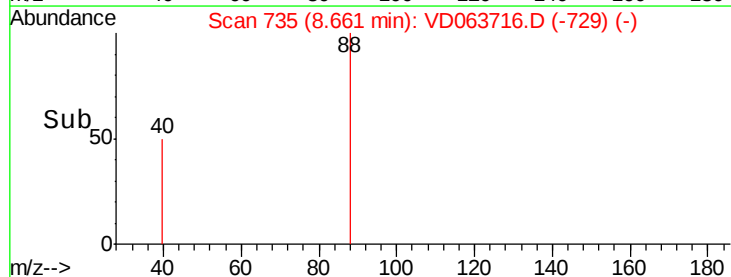
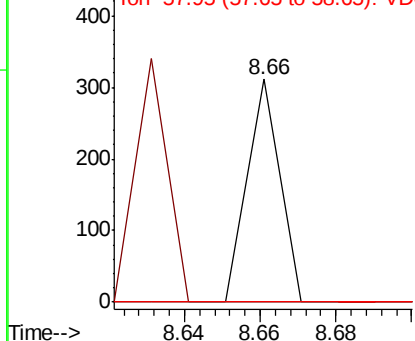


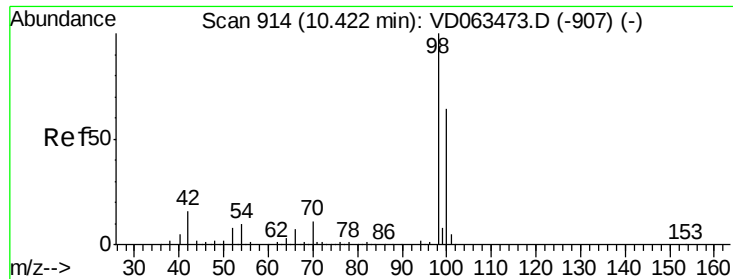
#49
 1,4-Dioxane
 Concen: 29.304 ug/l
 RT: 8.66 min Scan# 735
 Delta R.T. -0.44 min
 Lab File: VD063716.D
 Acq: 21 Aug 2019 16:42

Tgt Ion: 88 Resp: 184
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

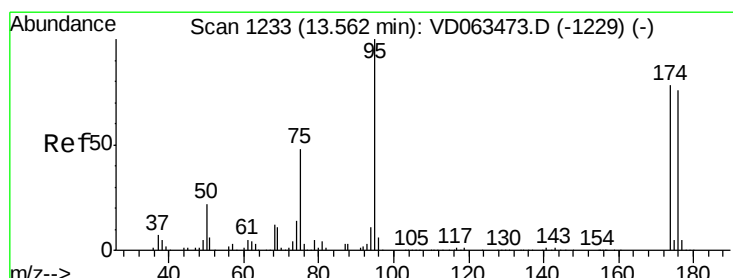
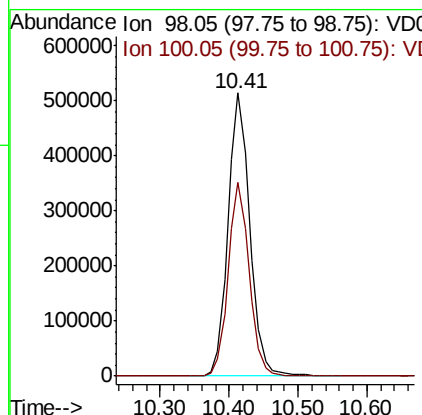
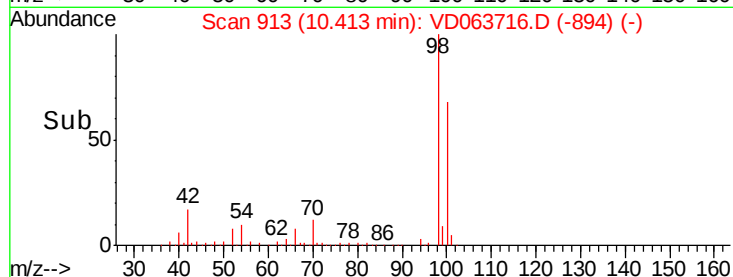
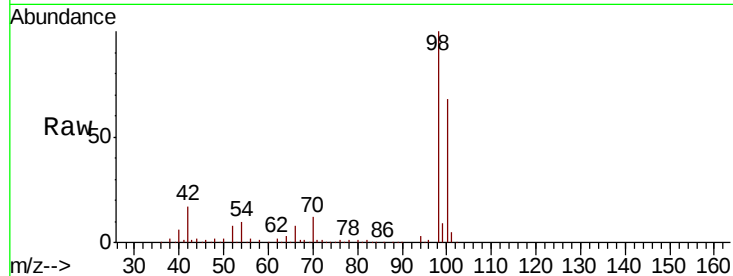




#50
Toluene-d8
Concen: 46.273 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

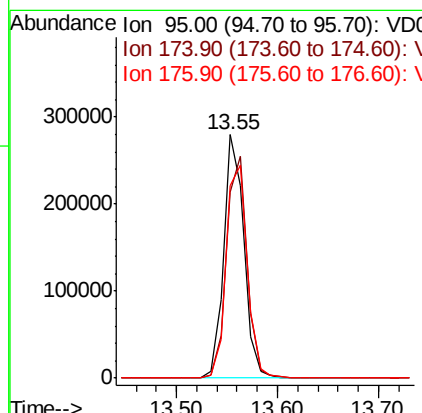
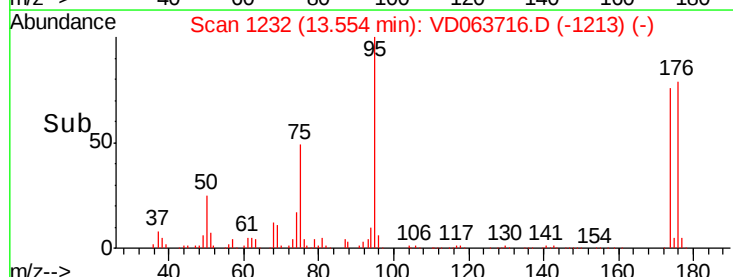
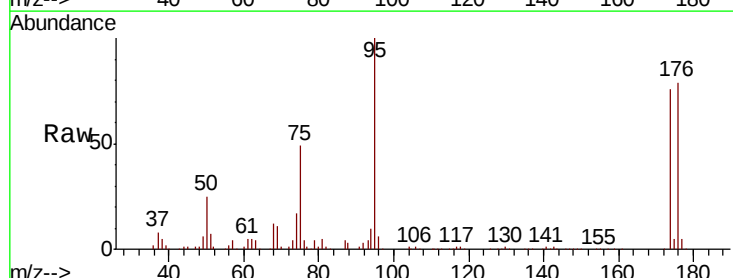
Instrument :
MSVOA_D
ClientSampled :
T6-A3-(2)

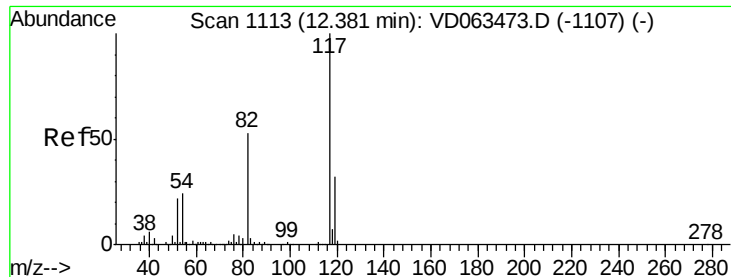
Tgt Ion: 98 Resp: 1121160
Ion Ratio Lower Upper
98 100
100 68.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 35.560 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

Tgt Ion: 95 Resp: 390509
Ion Ratio Lower Upper
95 100
174 76.2 0.0 155.4
176 78.8 0.0 152.4

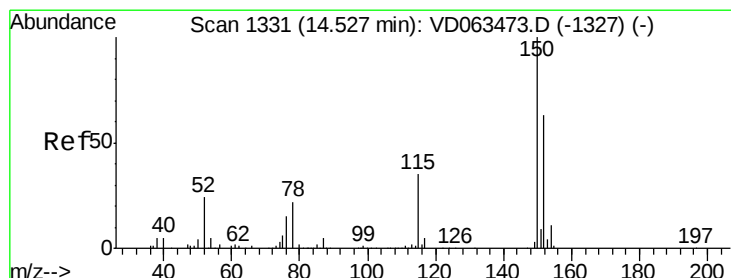
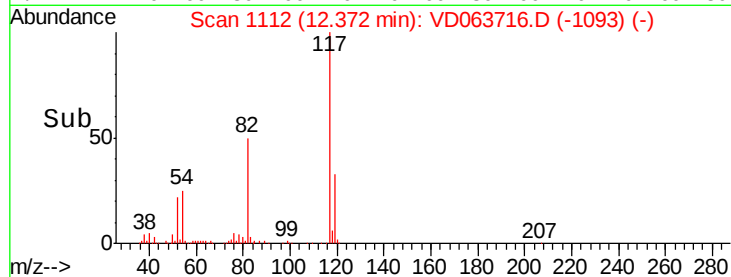
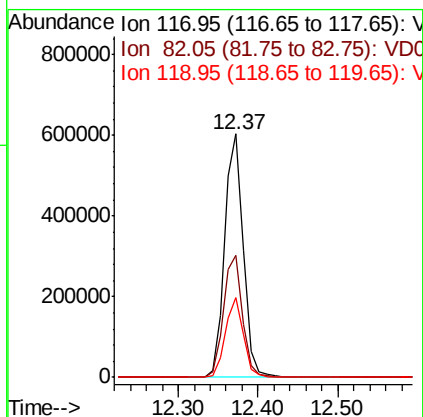
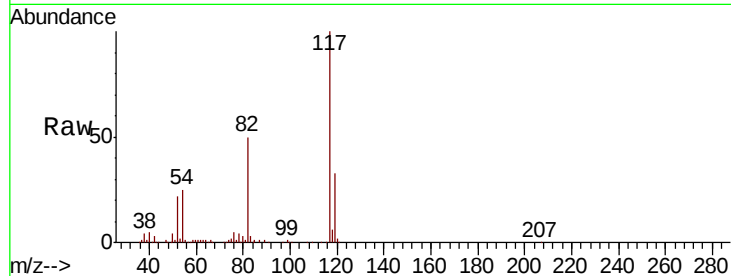




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

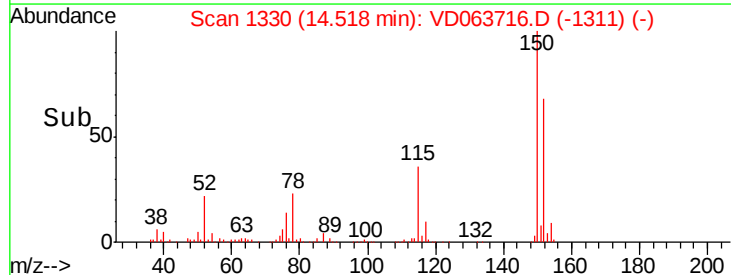
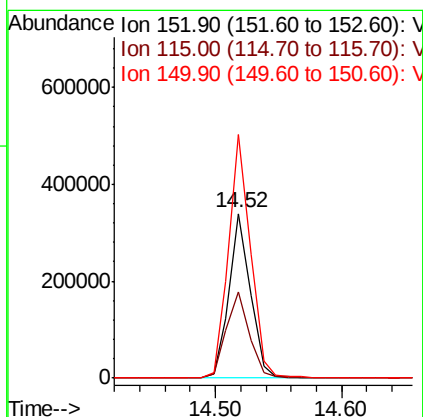
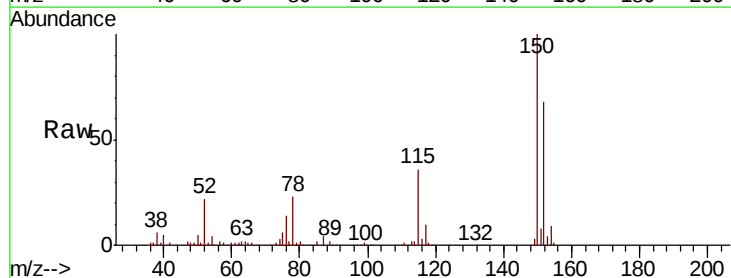
Instrument :
MSVOA_D
ClientSampleId :
T6-A3-(2)

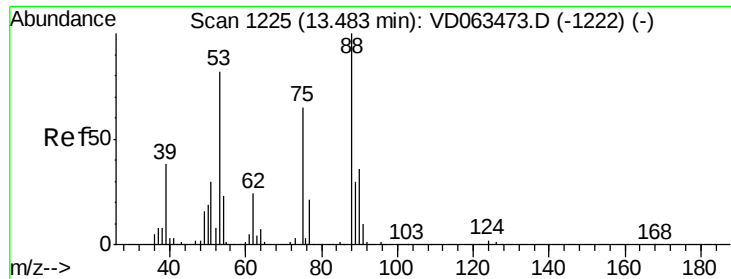
Tgt Ion:117 Resp: 997676
Ion Ratio Lower Upper
117 100
82 49.9 42.0 63.0
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063716.D
Acq: 21 Aug 2019 16:42

Tgt Ion:152 Resp: 400909
Ion Ratio Lower Upper
152 100
115 52.6 30.9 92.7
150 147.7 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 147.539 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063716.D

Acq: 21 Aug 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T6-A3-(2)

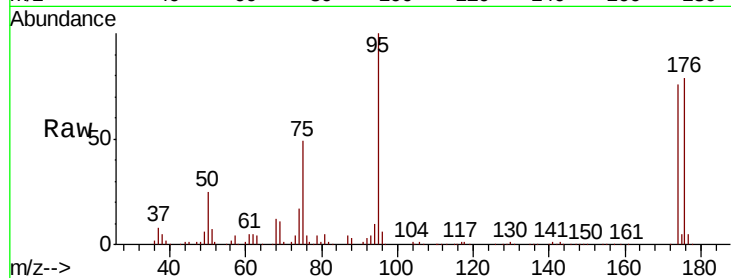
Tgt Ion: 75 Resp: 182455

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

