

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063124.D
 Acq On : 17 Jul 2019 11:53
 Operator : VA/AP
 Sample : K3623-03
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

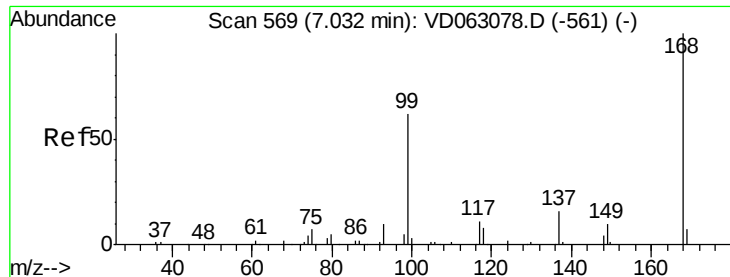
Quant Time: Jul 18 06:55:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	917494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1250602	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	886470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	301926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	470247	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	
35) Dibromofluoromethane	6.92	113	496157	39.83	ug/l	0.00
Spiked Amount			Recovery	=	79.66%	
50) Toluene-d8	10.40	98	973515	36.38	ug/l	0.00
Spiked Amount			Recovery	=	72.76%	
62) 4-Bromofluorobenzene	13.55	95	324762	26.24	ug/l	0.00
Spiked Amount			Recovery	=	52.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	835	Below Cal	#	43
3) Chloromethane	1.77	50	776	Below Cal	#	48
5) Bromomethane	2.13	94	1878	Below Cal	#	13
11) Tert butyl alcohol	4.04	59	958	1.452	ug/l #	77
13) Acrolein	3.02	56	349	1.753	ug/l #	65
16) Acetone	3.21	43	6061	2.196	ug/l #	62
18) Methyl Acetate	3.63	43	721	Below Cal	#	63
20) Methylene Chloride	3.81	84	21757	2.086	ug/l #	81
25) 2-Butanone	6.16	43	6897	2.616	ug/l #	88
31) Cyclohexane	7.04	56	21496	1.976	ug/l #	16
36) 1,1-Dichloropropene	7.04	75	68284	4.855	ug/l #	51
37) Ethyl Acetate	6.16	43	7087	1.177	ug/l #	23
38) Carbon Tetrachloride	7.04	117	90035	4.213	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	111654	24.040	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	152917	125.027	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

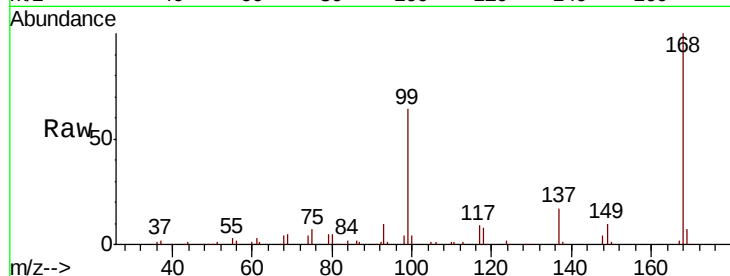
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 917494

Ion Ratio Lower Upper

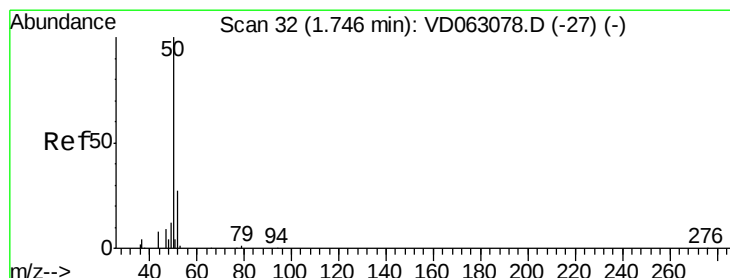
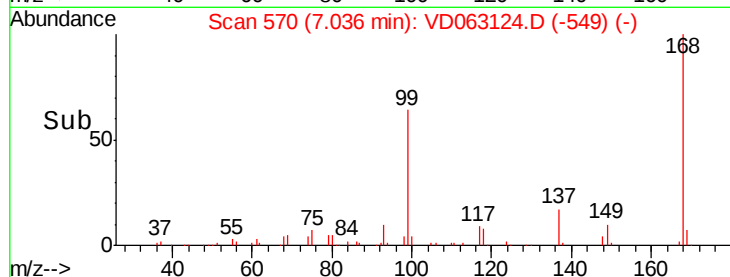
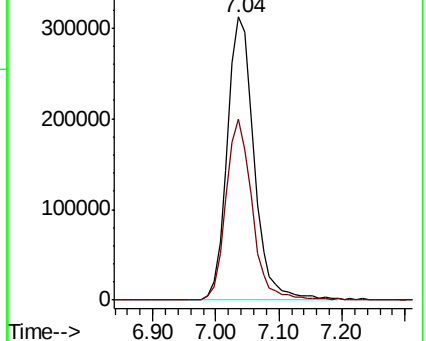
168 100

99 63.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD063124.D

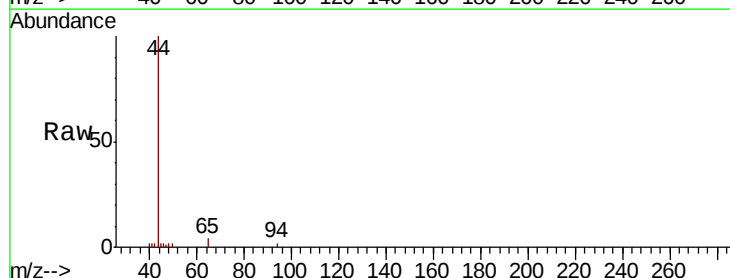
Acq: 17 Jul 2019 11:53

Tgt Ion: 50 Resp: 776

Ion Ratio Lower Upper

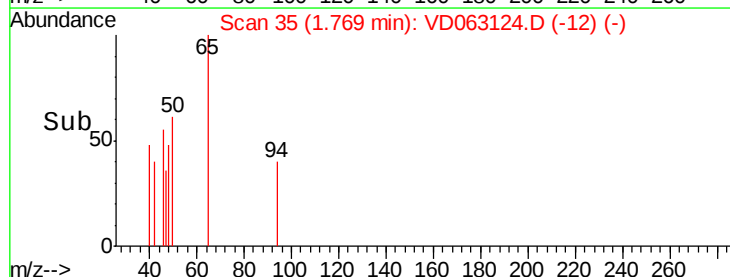
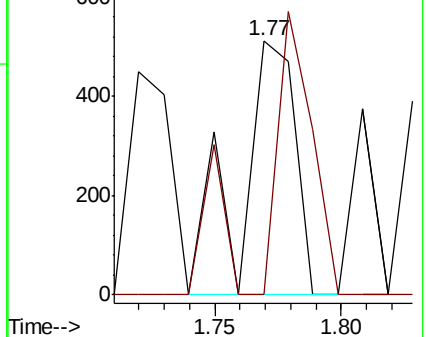
50 100

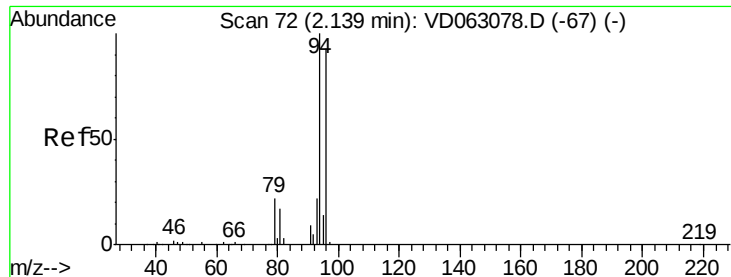
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :

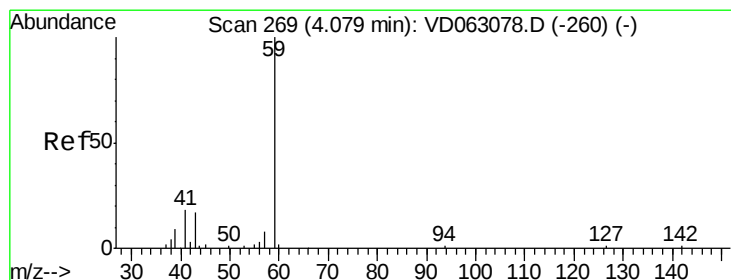
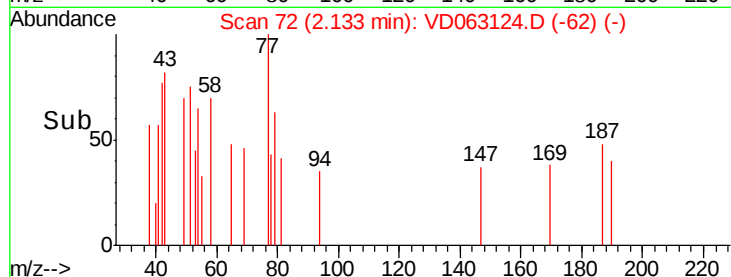
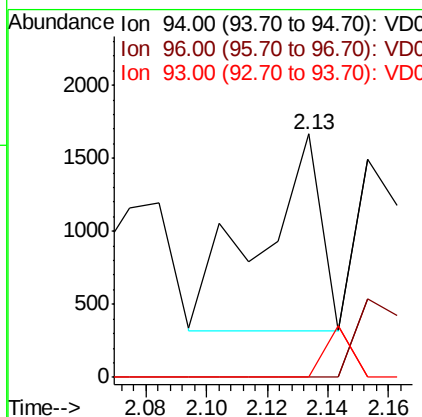
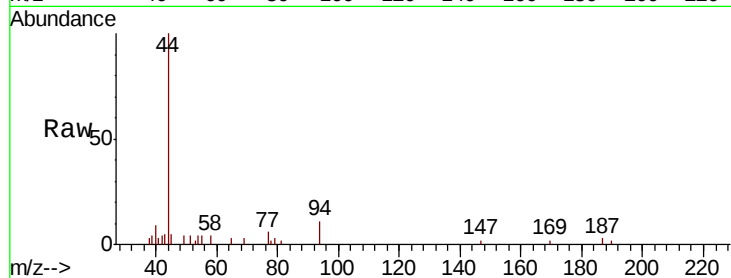
Tot Ion: 94 Resp: 1878

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 1.452 ug/l

RT: 4.04 min Scan# 266

Delta R.T. -0.04 min

Lab File: VD063124.D

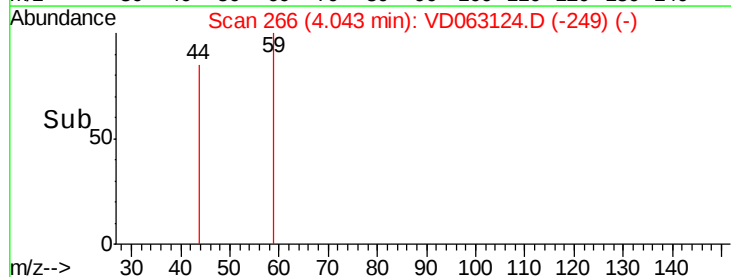
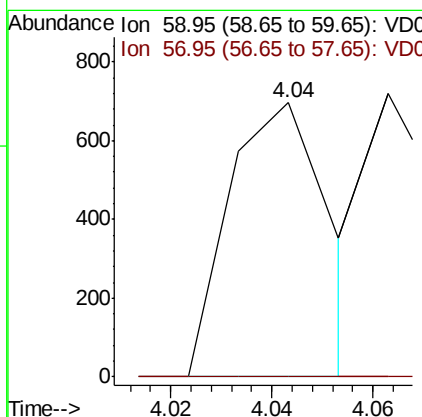
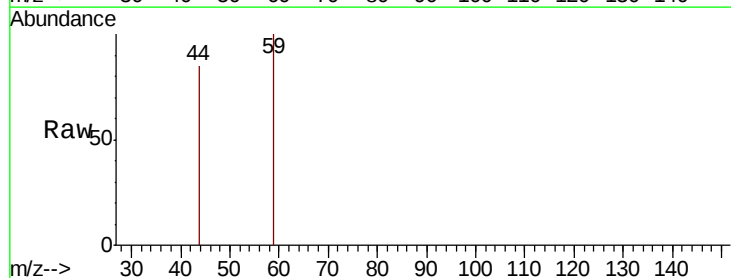
Acq: 17 Jul 2019 11:53

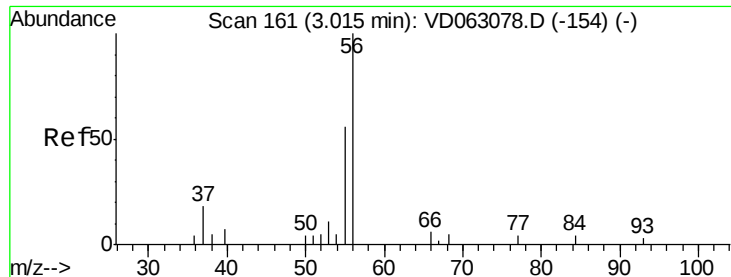
Tgt Ion: 59 Resp: 958

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.753 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

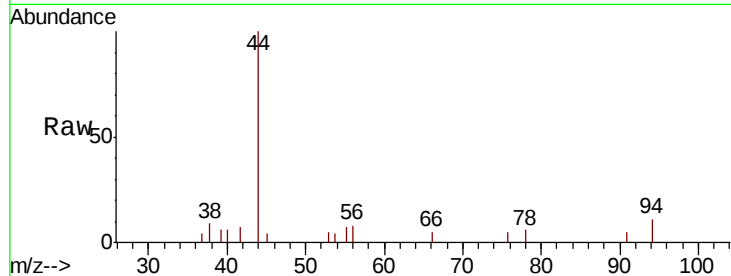
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

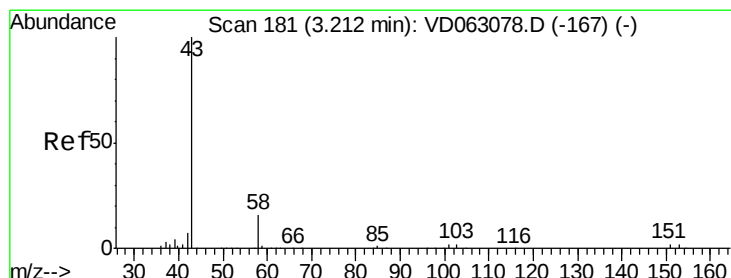
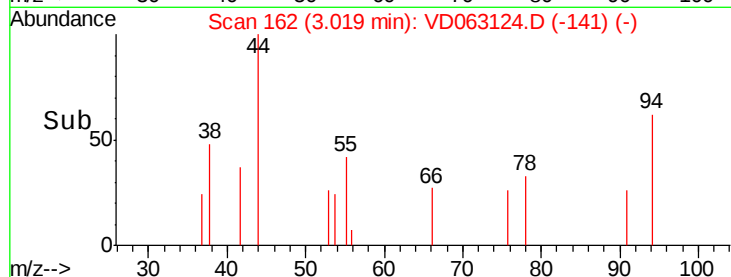
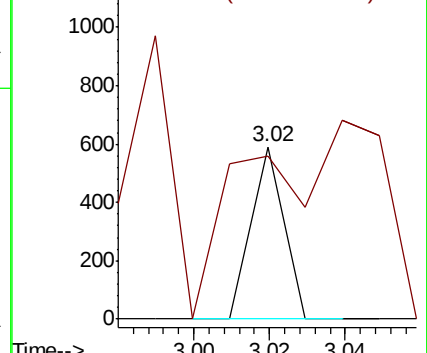
56 100

55 94.4 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 2.196 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063124.D

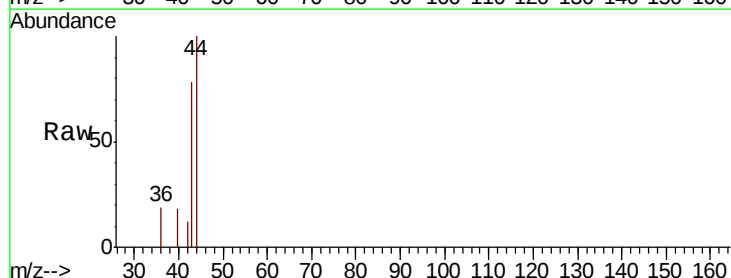
Acq: 17 Jul 2019 11:53

Tgt Ion: 43 Resp: 6061

Ion Ratio Lower Upper

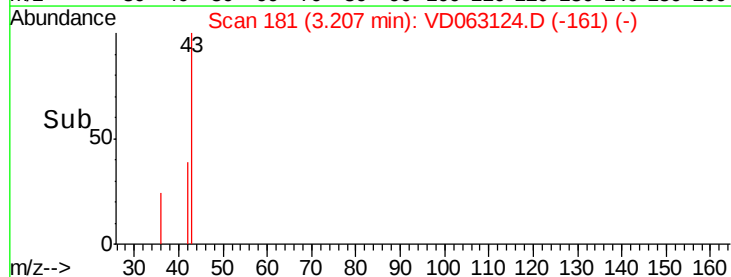
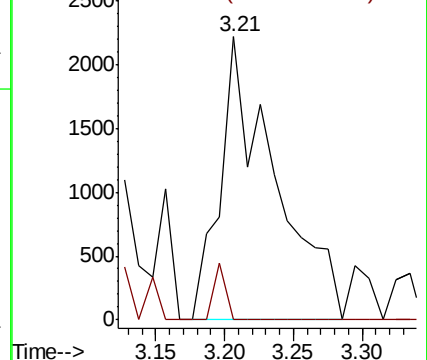
43 100

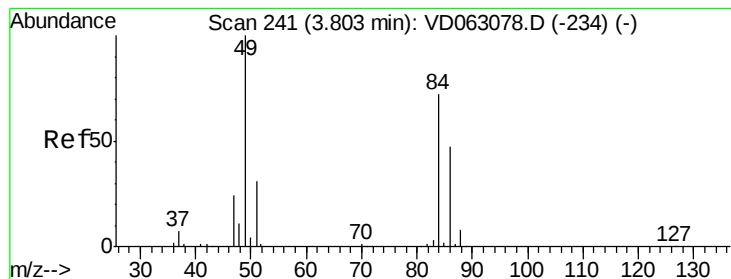
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 2.086 ug/l

RT: 3.81 min Scan# 242

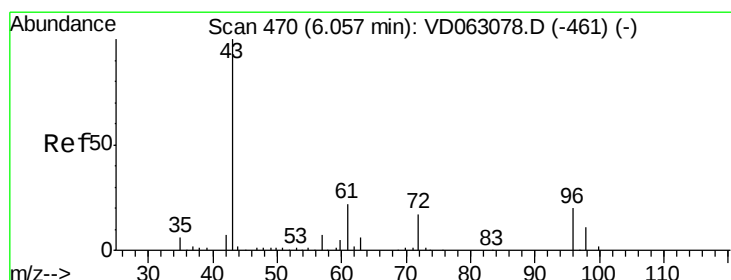
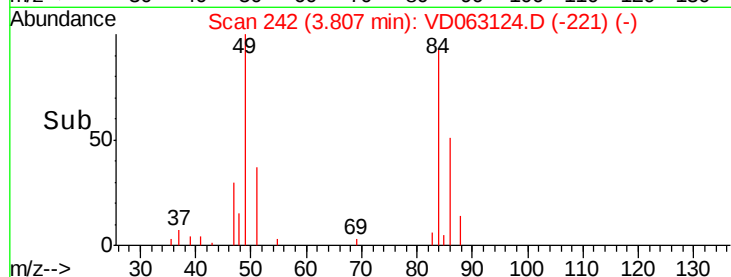
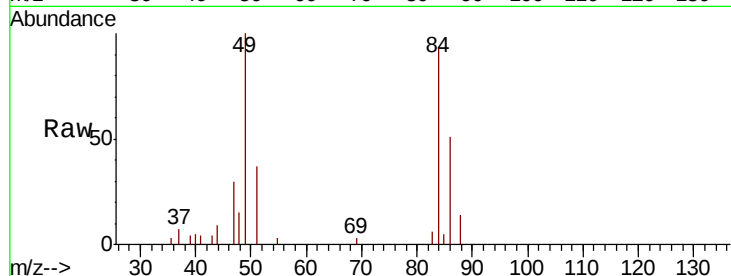
Delta R.T. 0.00 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	21757
Ion	Ratio	Lower	Upper
84	100		
49	107.1	110.5	165.7#
51	39.1	34.6	51.8
86	54.8	51.6	77.4



#25

2-Butanone

Concen: 2.616 ug/l

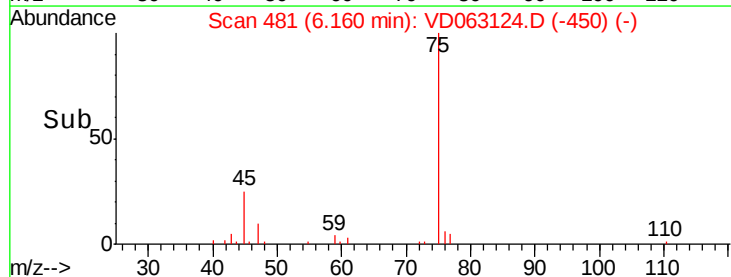
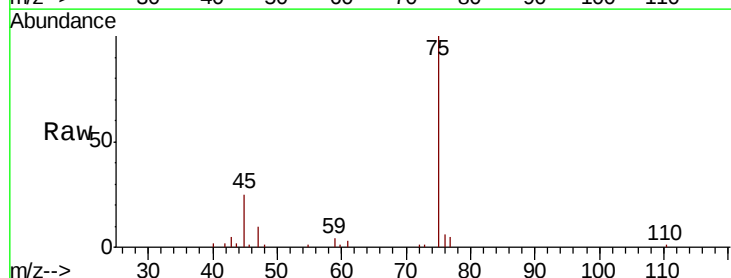
RT: 6.16 min Scan# 481

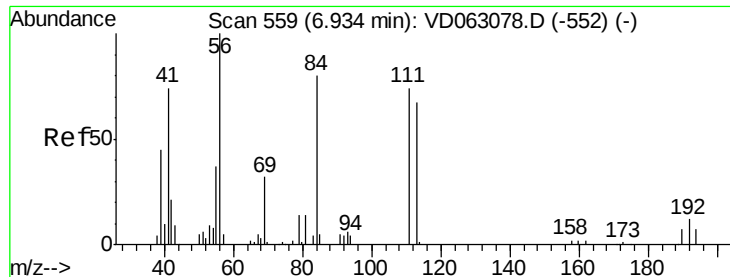
Delta R.T. 0.10 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

Tgt Ion:	43	Resp:	6897
Ion	Ratio	Lower	Upper
43	100		
72	11.7	13.4	20.0#

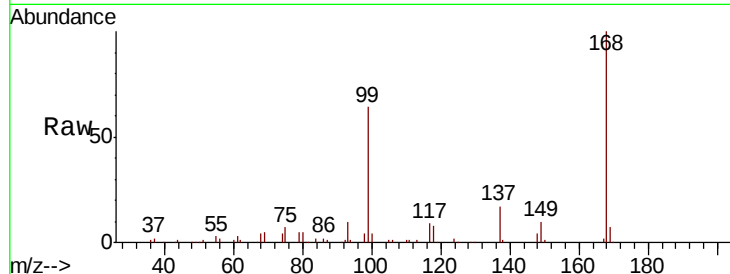




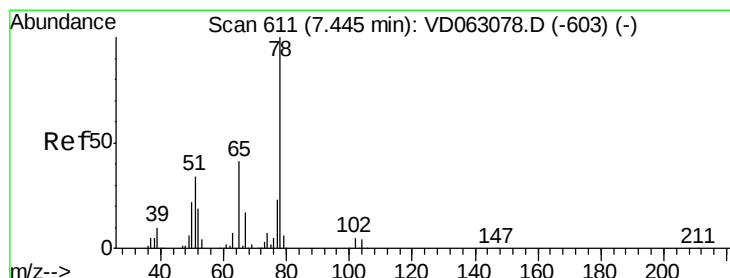
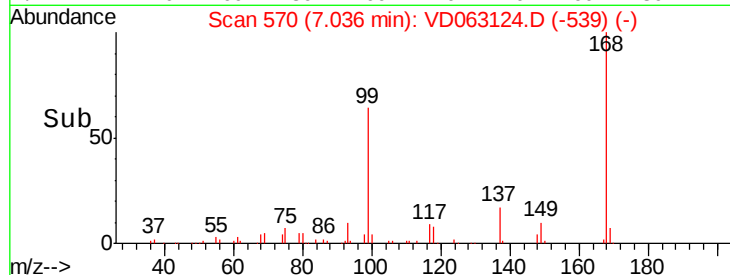
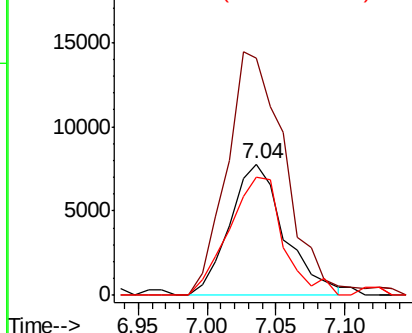
#31
Cvclohexane
Concen: 1.976 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 21496
Ion Ratio Lower Upper
56 100
69 181.4 25.3 37.9#
84 89.8 64.2 96.4

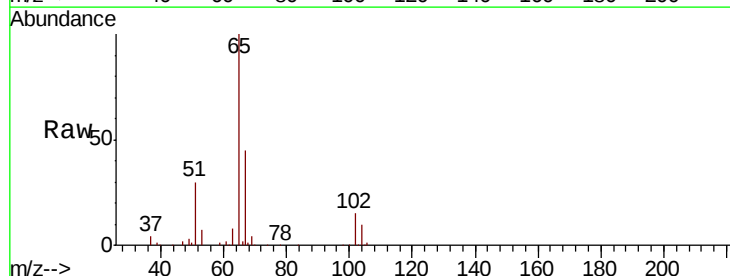


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

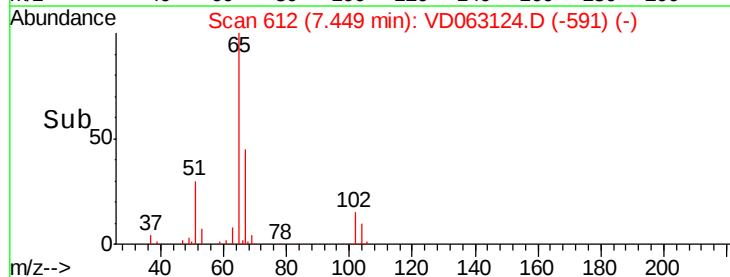
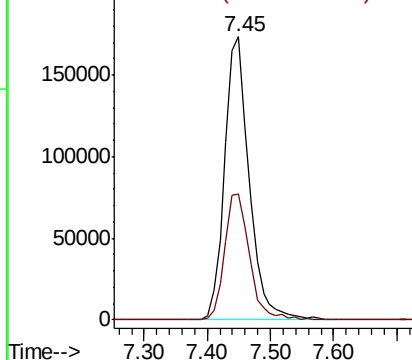


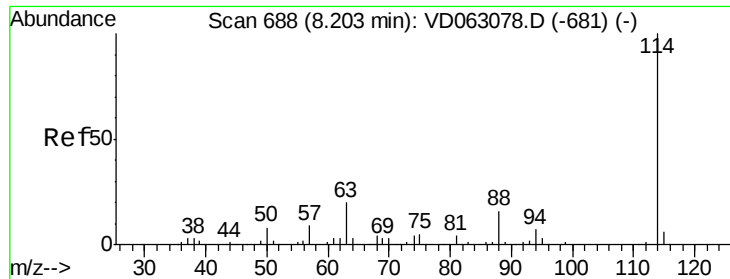
#33
1,2-Dichloroethane-d4
Concen: 41.145 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

Tgt Ion: 65 Resp: 470247
Ion Ratio Lower Upper
65 100
67 44.7 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

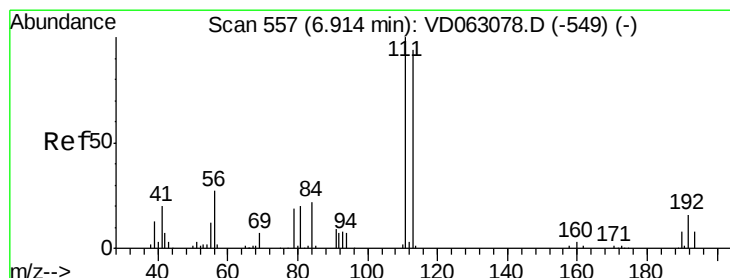
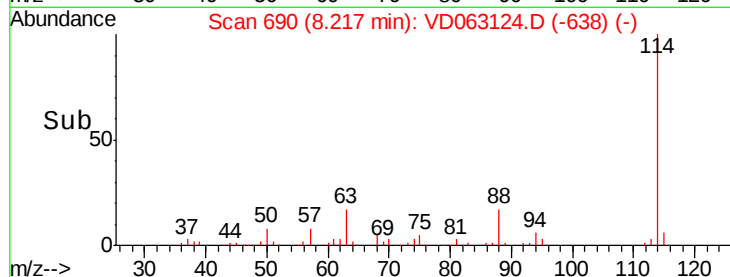
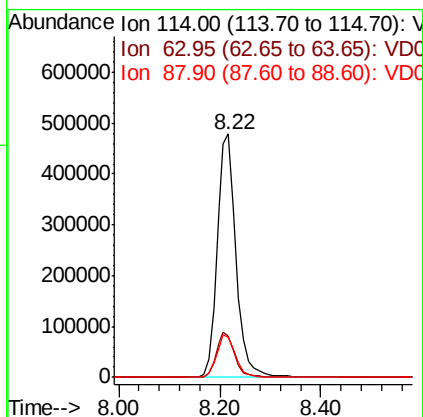
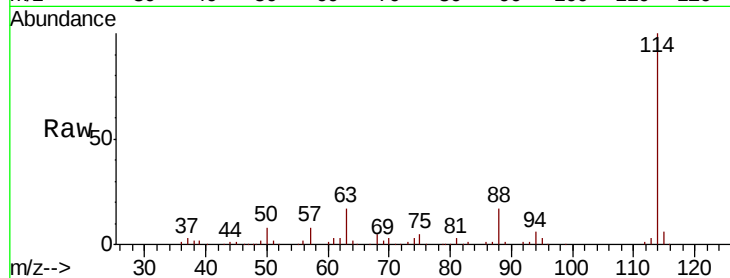




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063124.D
 Acq: 17 Jul 2019 11:53

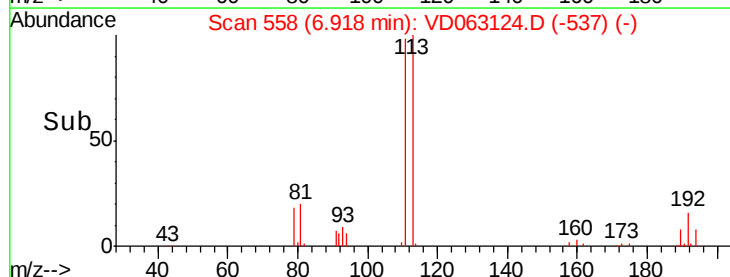
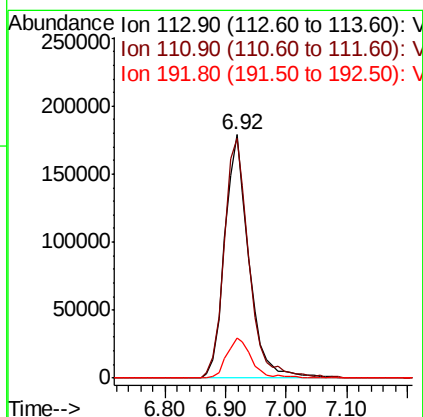
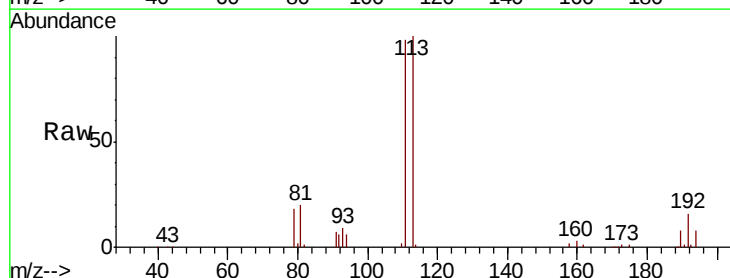
Instrument :
 MSVOA_D
 ClientSampleId :

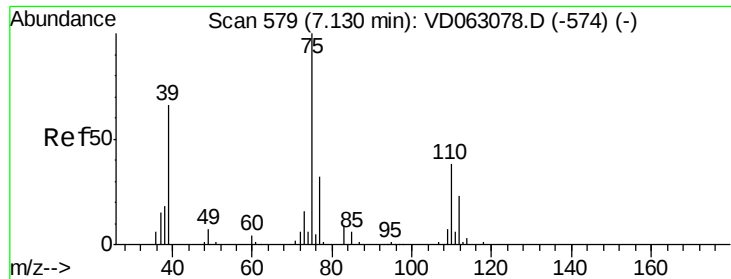
Tot Ion:114 Resp: 1250602
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 40.6
 88 16.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 39.832 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063124.D
 Acq: 17 Jul 2019 11:53

Tgt Ion:113 Resp: 496157
 Ion Ratio Lower Upper
 113 100
 111 98.5 84.8 127.2
 192 16.5 13.4 20.0

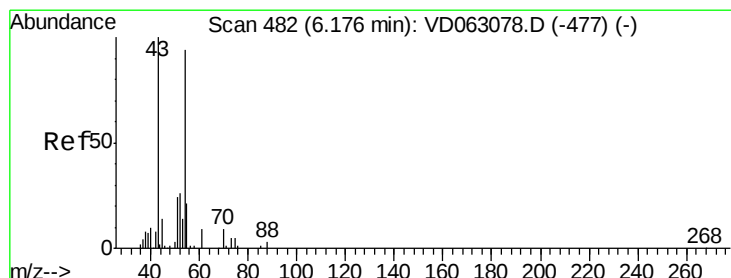
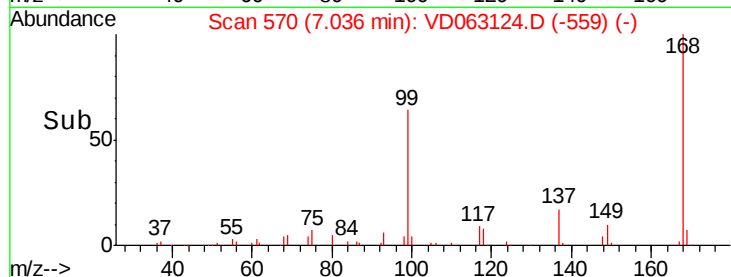
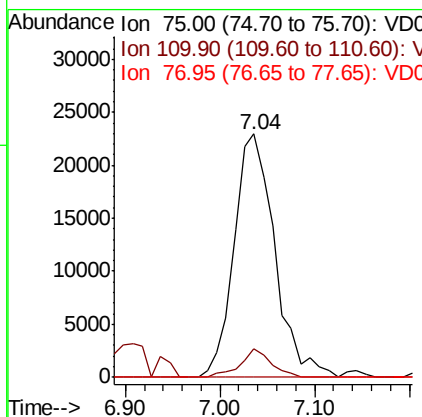
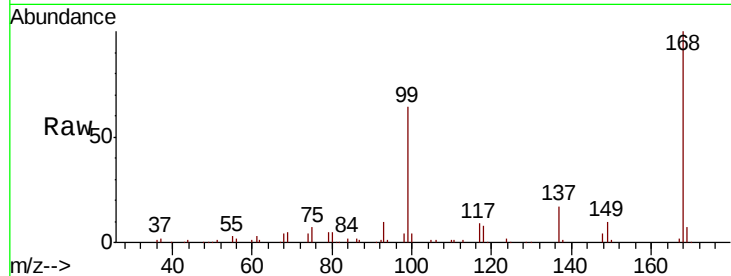




#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063124.D
 Acq: 17 Jul 2019 11:53

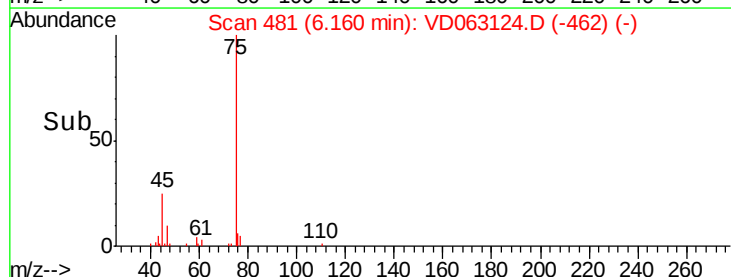
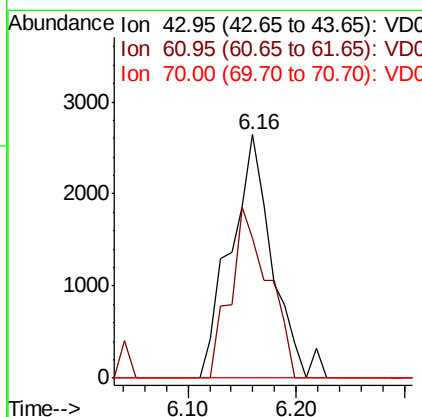
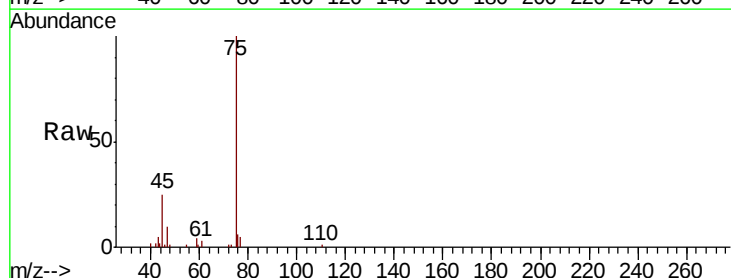
Instrument :
 MSVOA_D
 ClientSampled :

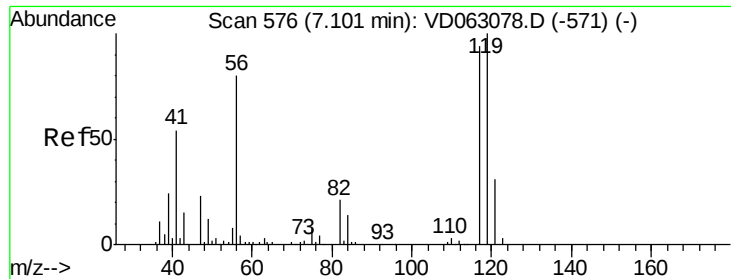
Tot Ion: 75 Resp: 68284
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.9 56.5#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 1.177 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: VD063124.D
 Acq: 17 Jul 2019 11:53

Tgt Ion: 43 Resp: 7087
 Ion Ratio Lower Upper
 43 100
 61 57.3 10.6 16.0#
 70 0.0 6.6 9.8#

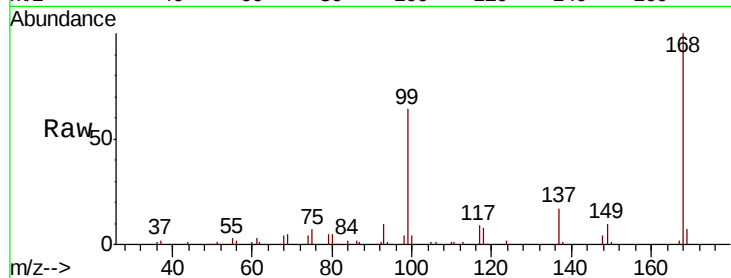




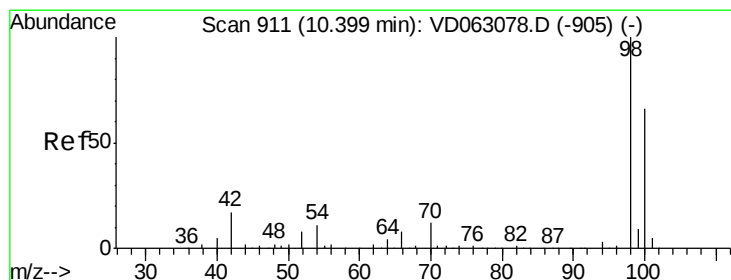
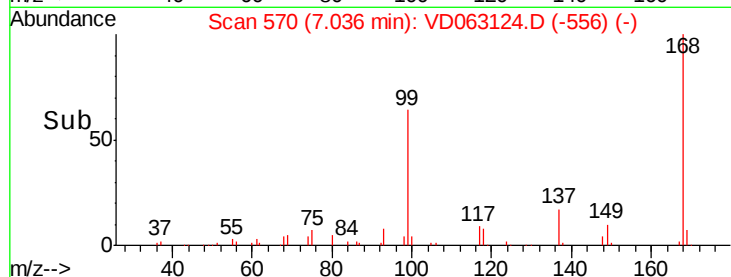
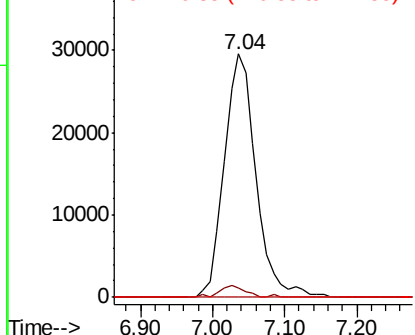
#38
Carbon Tetrachloride
Concen: 4.213 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 90035
Ion Ratio Lower Upper
117 100
119 3.7 80.0 120.0#
121 0.0 25.0 37.4#

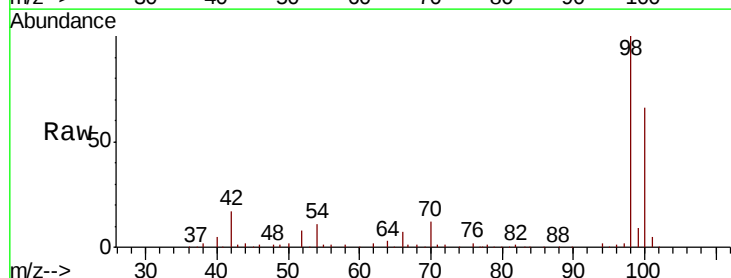


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

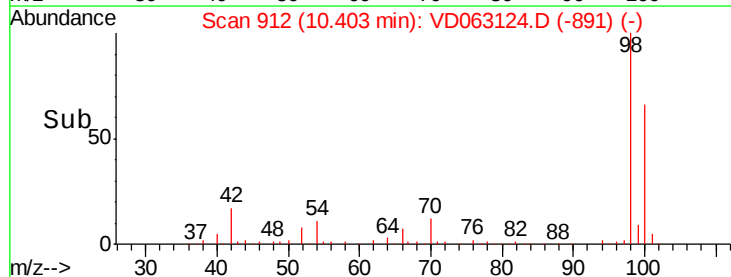
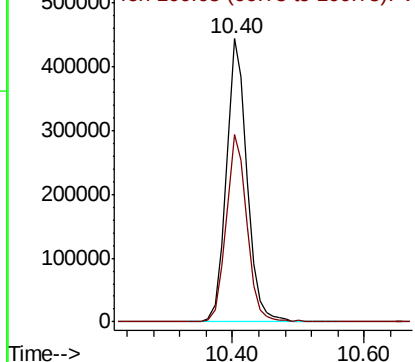


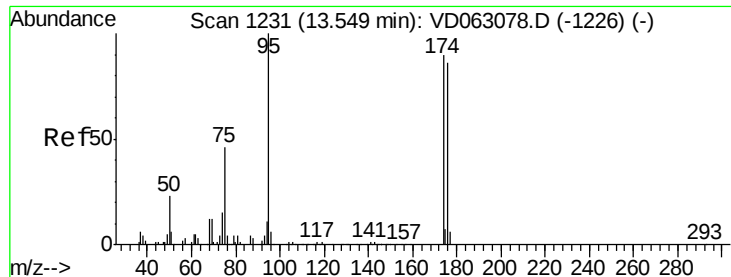
#50
Toluene-d8
Concen: 36.385 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

Tgt Ion: 98 Resp: 973515
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD

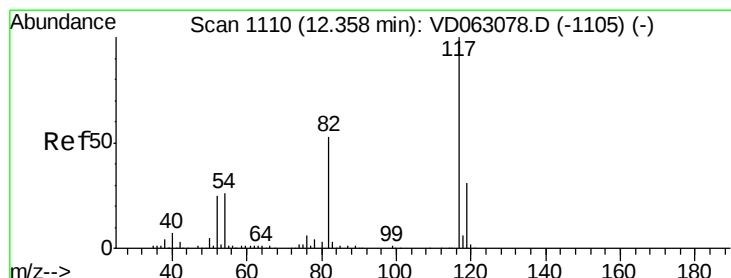
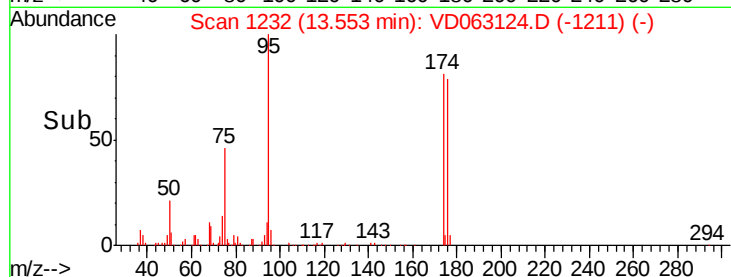
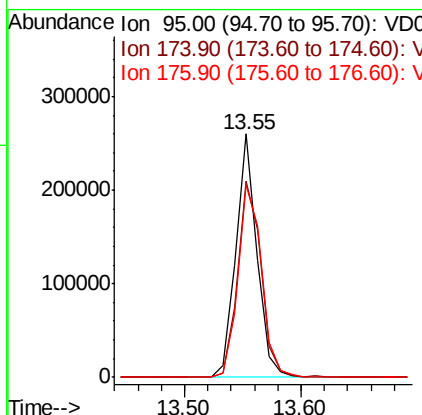
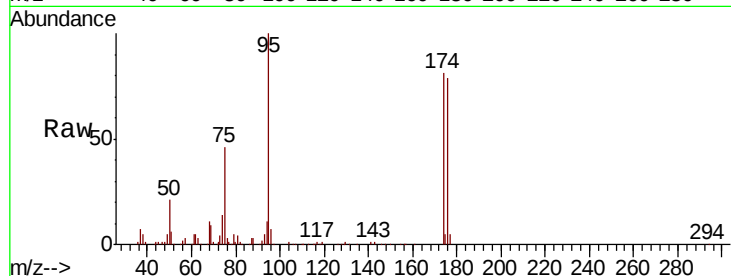




#62
4-Bromofluorobenzene
Concen: 26.236 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

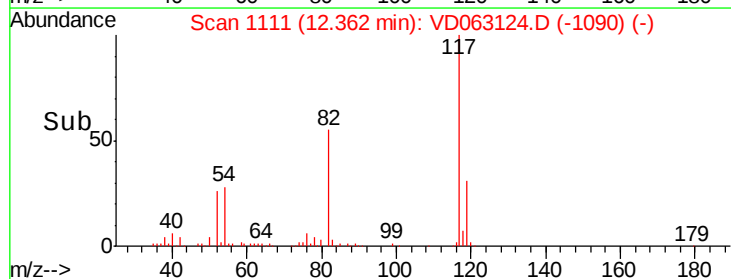
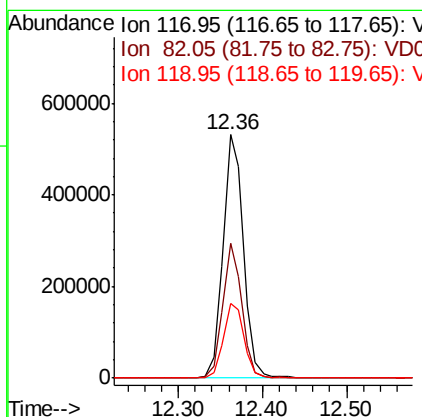
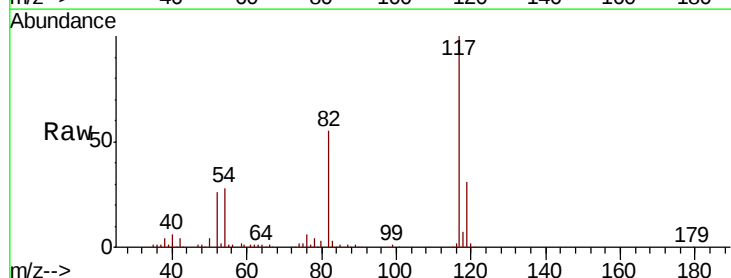
Instrument :
MSVOA_D
ClientSampleId :

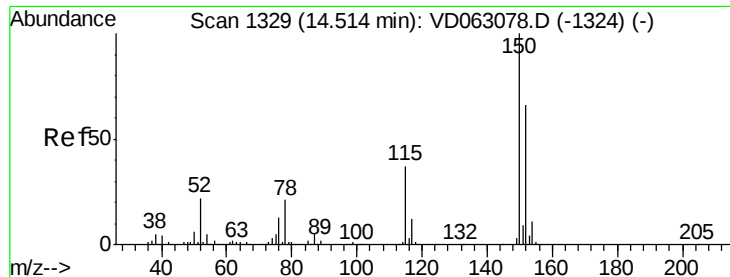
Tot Ion: 95 Resp: 324762
Ion Ratio Lower Upper
95 100
174 80.6 0.0 180.6
176 78.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063124.D
Acq: 17 Jul 2019 11:53

Tgt Ion: 117 Resp: 886470
Ion Ratio Lower Upper
117 100
82 55.3 42.3 63.5
119 30.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

Instrument :

MSVOA_D

ClientSampled :

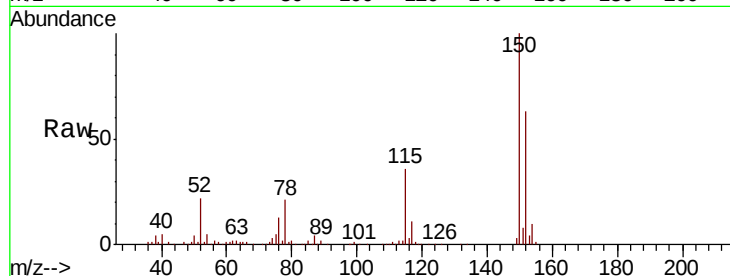
Tot Ion:152 Resp: 301926

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.8

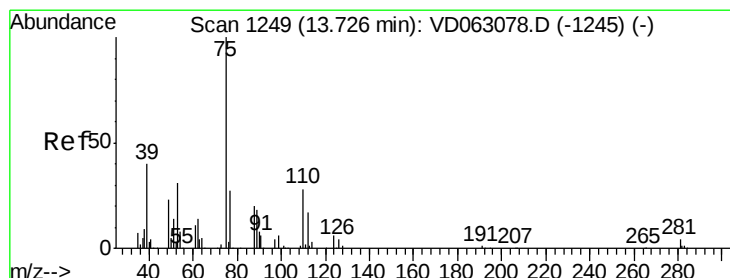
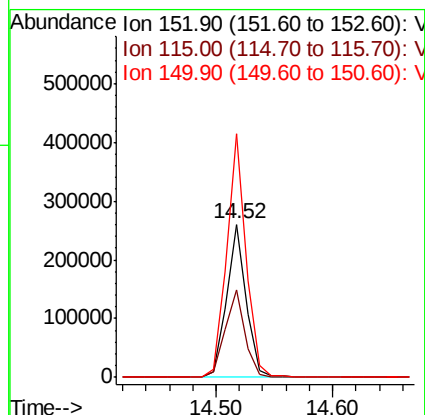
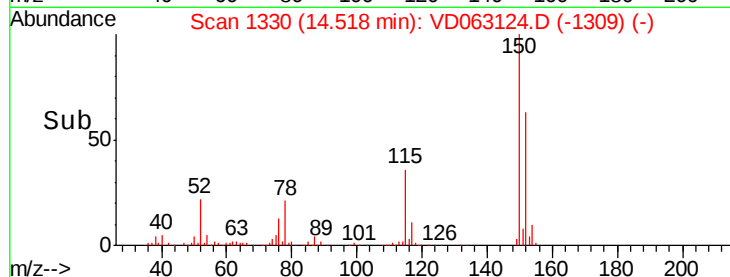
150 158.9 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.040 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063124.D

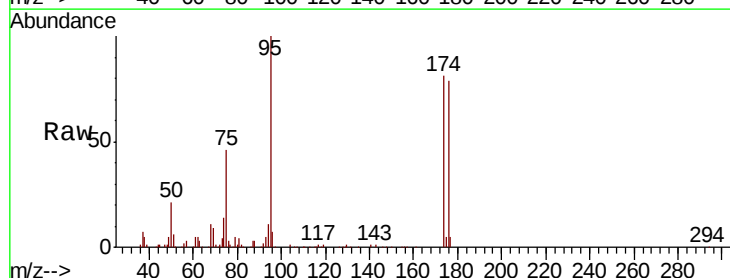
Acq: 17 Jul 2019 11:53

Tgt Ion: 75 Resp: 111654

Ion Ratio Lower Upper

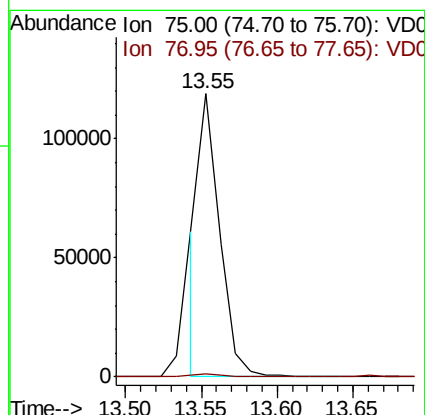
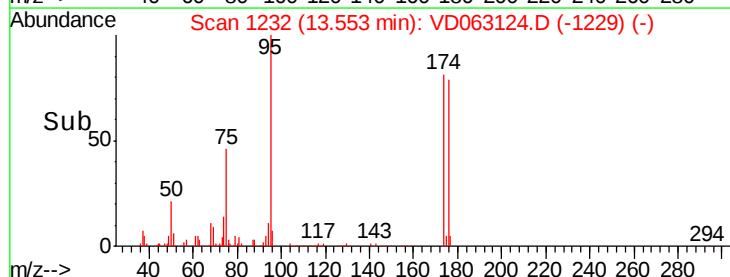
75 100

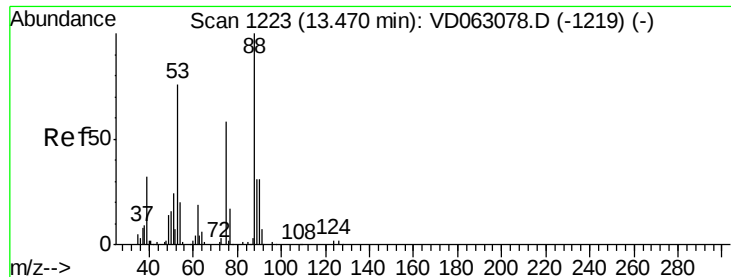
77 1.3 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 125.027 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063124.D

Acq: 17 Jul 2019 11:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 152917

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

