

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063664.D
 Acq On : 19 Aug 2019 18:12
 Operator : JC/SY
 Sample : K4391-02RE
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-2

Quant Time: Aug 20 08:16:34 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	7.04	168	1096398	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1462489	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1208583	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	581781	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	499217	42.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.20%	
35) Dibromofluoromethane	6.92	113	582666	47.31	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.62%	
50) Toluene-d8	10.40	98	1316032	48.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.55	95	487433	39.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.42%	

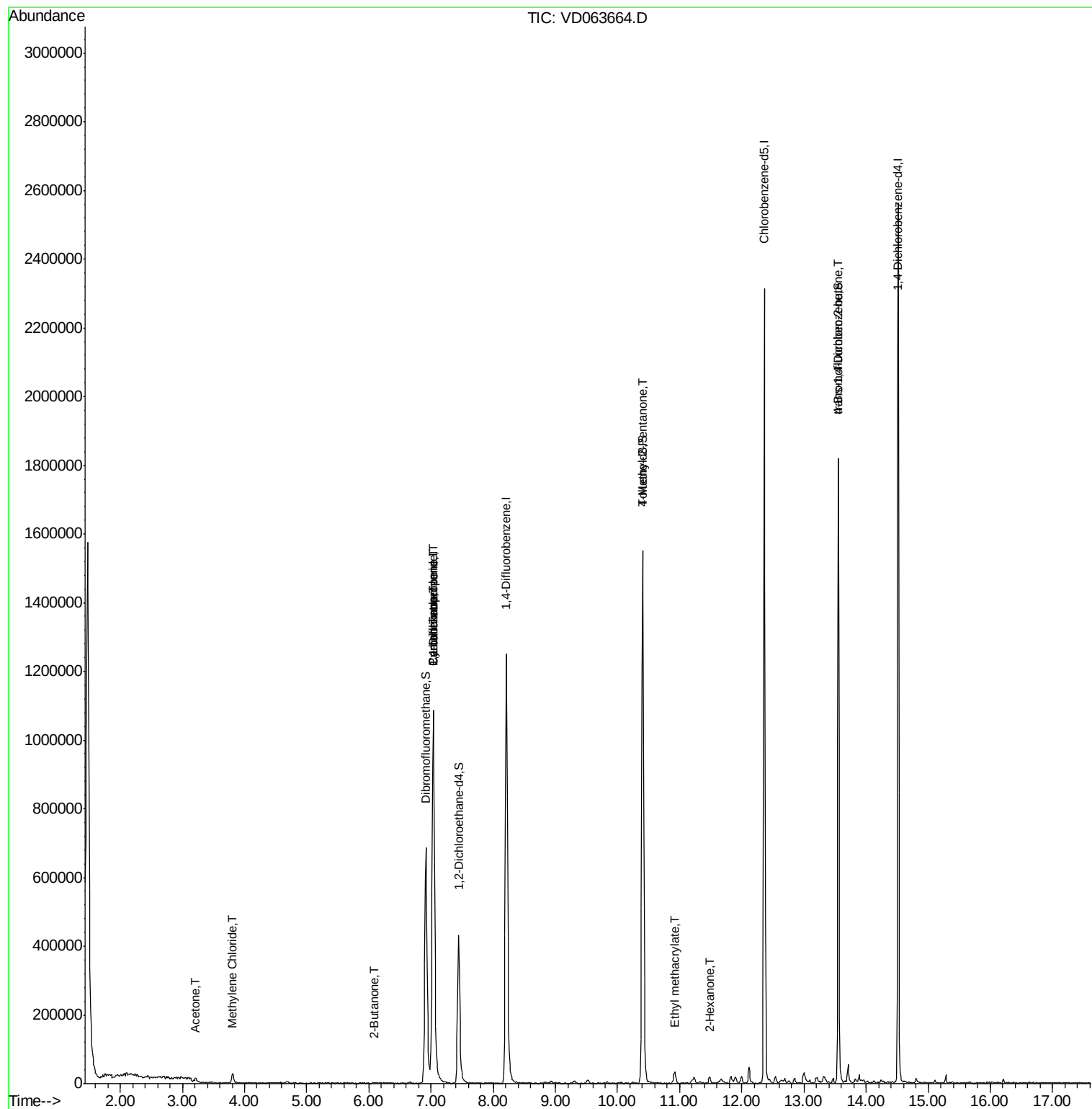
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	25338	10.636	ug/l #	87
20) Methylene Chloride	3.81	84	13094	1.271	ug/l	97
25) 2-Butanone	6.08	43	3937	1.673	ug/l #	87
31) Cyclohexane	7.04	56	22322	2.109	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	78585	6.078	ug/l #	46
38) Carbon Tetrachloride	7.05	117	99058	5.084	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	8148	1.641	ug/l #	9
56) Ethyl methacrylate	10.91	69	7551	1.124	ug/l	93
59) 2-Hexanone	11.48	43	11317	3.133	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	215877	120.294	ug/l #	1

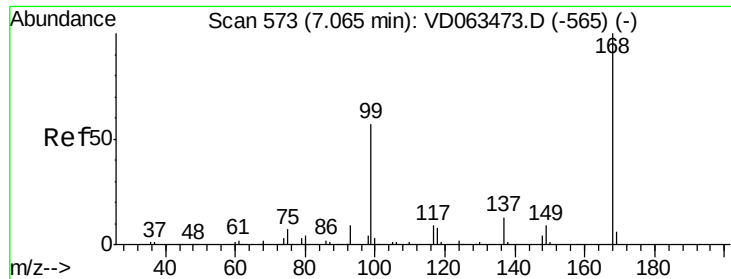
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063664.D

Acq: 19 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

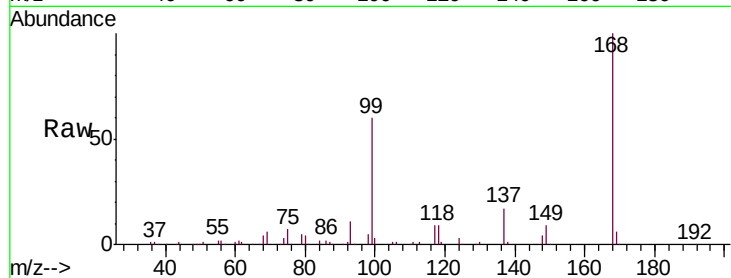
N-WALL-2

Tgt Ion:168 Resp: 1096398

Ion Ratio Lower Upper

168 100

99 60.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

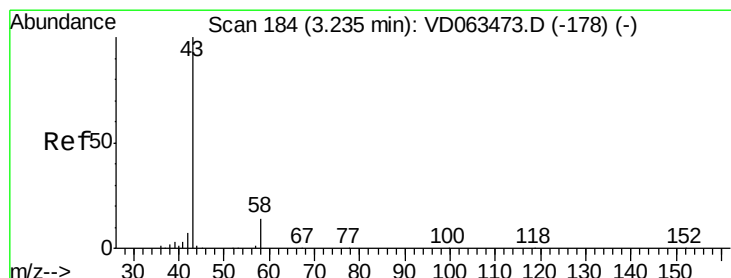
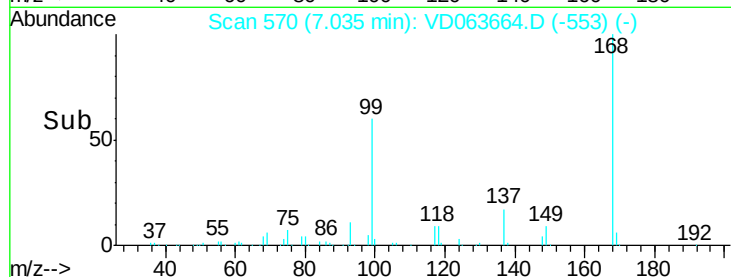
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 10.636 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063664.D

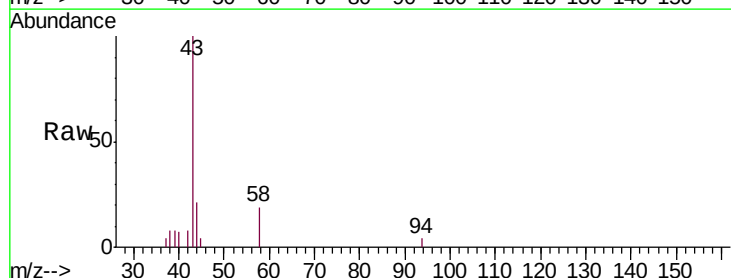
Acq: 19 Aug 2019 18:12

Tgt Ion: 43 Resp: 25338

Ion Ratio Lower Upper

43 100

58 19.5 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

10000

8000

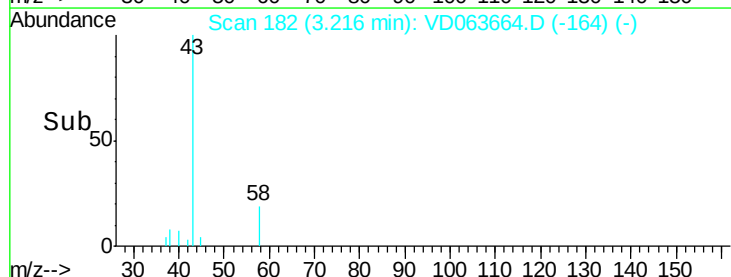
6000

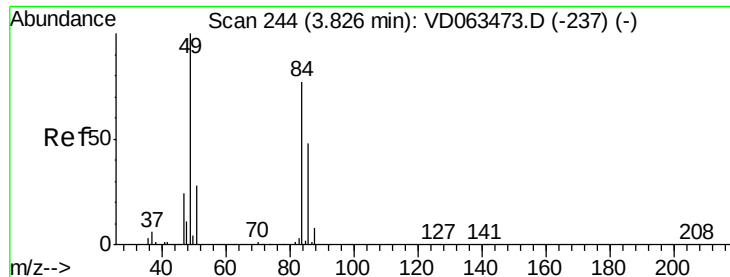
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2000

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Time-->

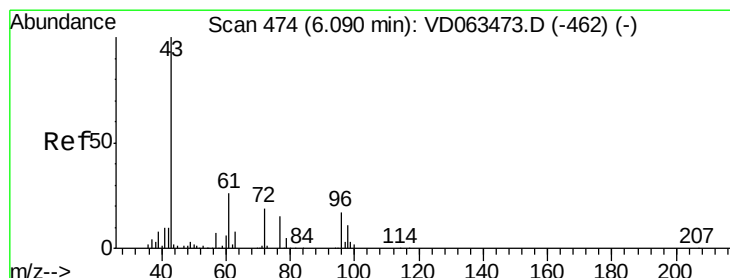
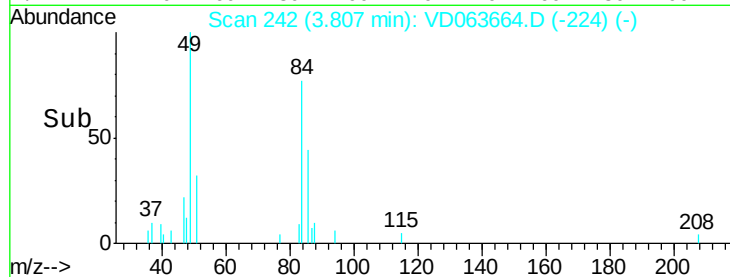
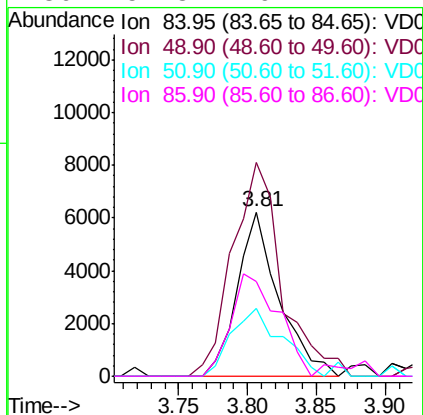
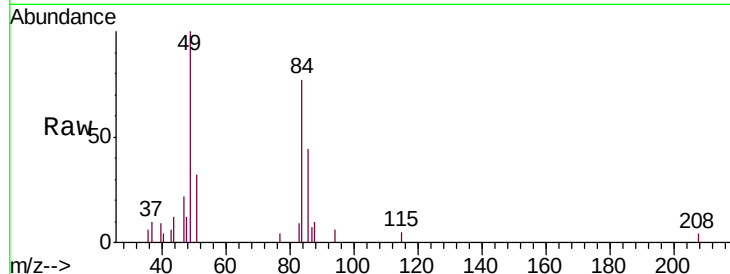




#20
Methylene Chloride
Concen: 1.271 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

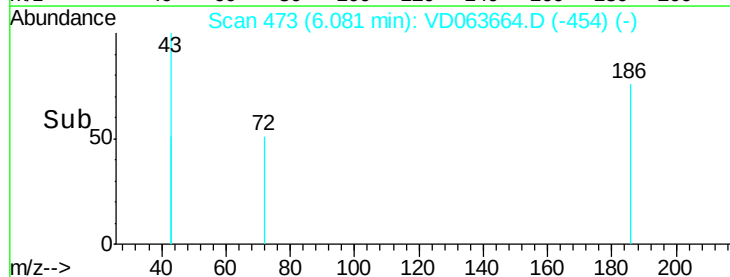
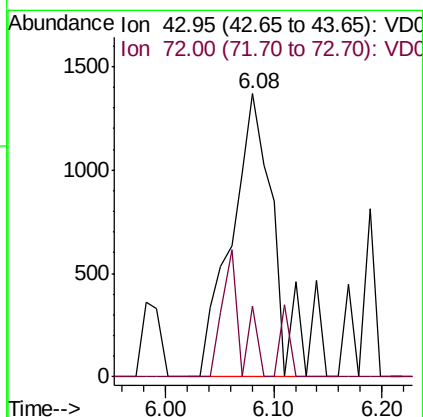
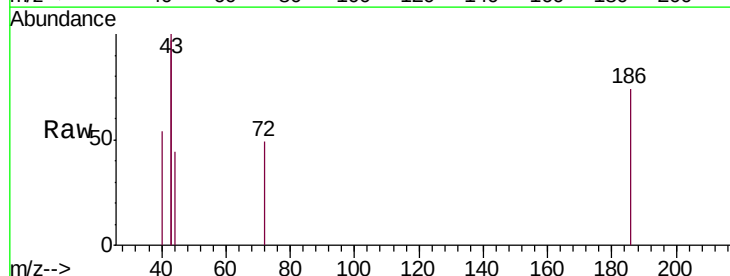
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

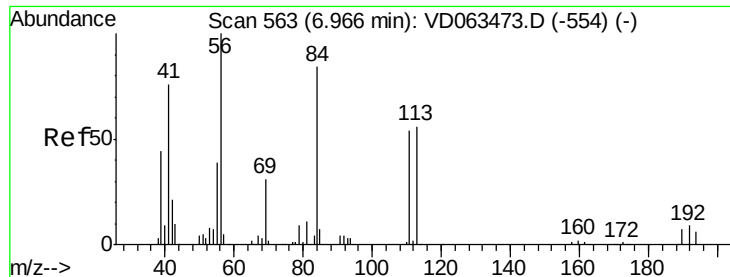
Tgt Ion:	84	Resp:	13094
Ion	Ratio	Lower	Upper
84	100		
49	130.0	103.4	155.2
51	41.4	28.5	42.7
86	57.8	49.4	74.2



#25
2-Butanone
Concen: 1.673 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

Tgt Ion:	43	Resp:	3937
Ion	Ratio	Lower	Upper
43	100		
72	24.9	15.1	22.7#

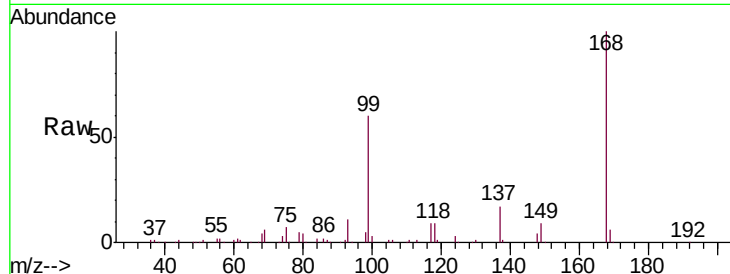




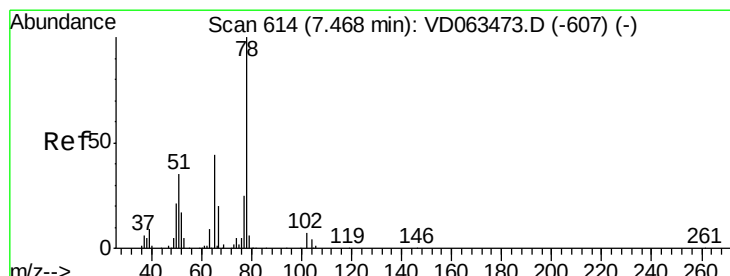
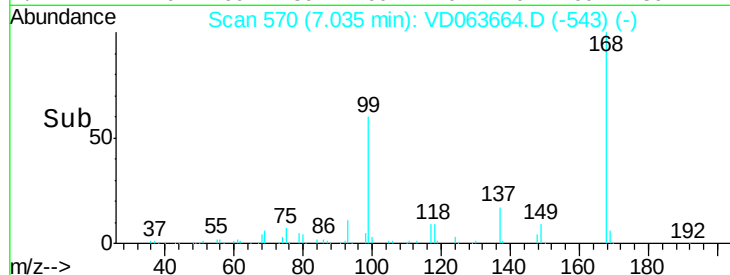
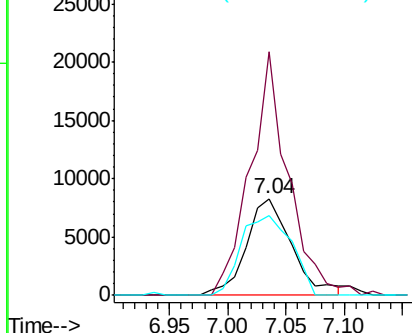
#31
Cyclohexane
Concen: 2.109 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

Tgt Ion: 56 Resp: 22322
Ion Ratio Lower Upper
56 100
69 252.5 25.0 37.6#
84 82.7 69.7 104.5

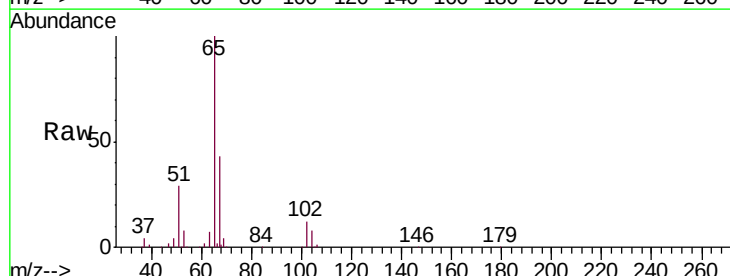


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

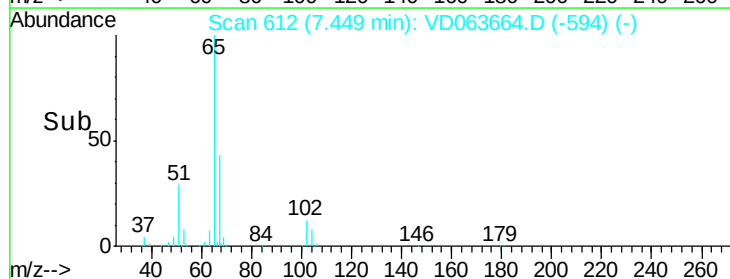
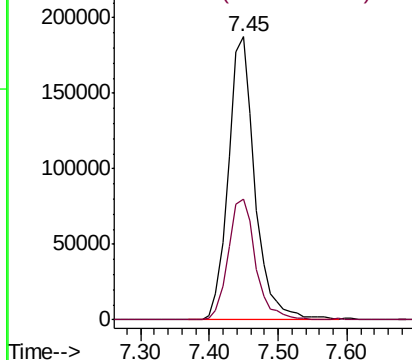


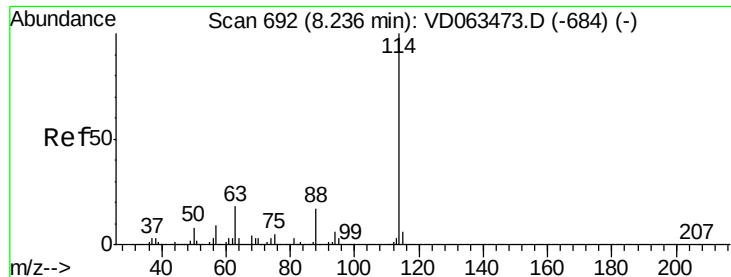
#33
1,2-Dichloroethane-d4
Concen: 42.597 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

Tgt Ion: 65 Resp: 499217
Ion Ratio Lower Upper
65 100
67 42.9 0.0 89.2



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

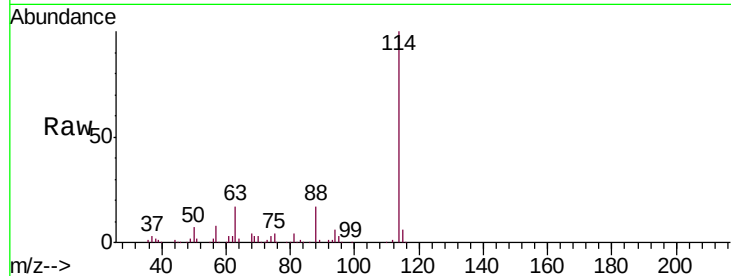




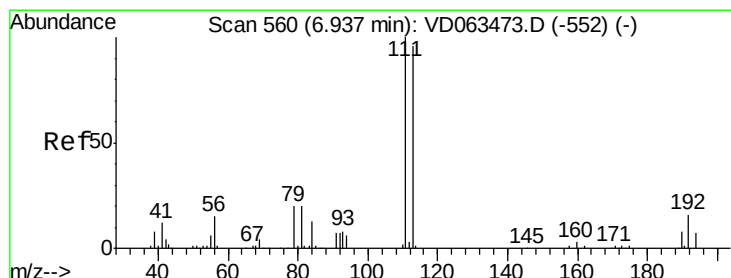
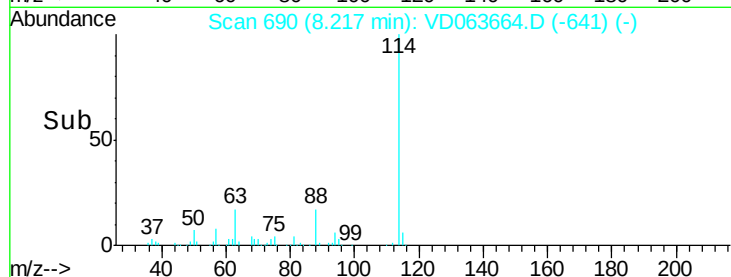
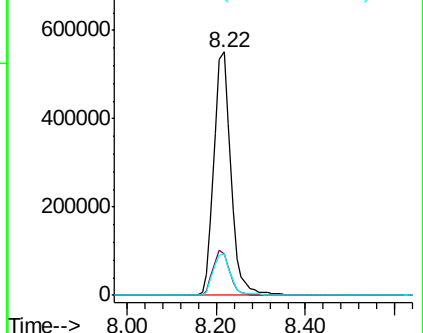
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-2

Tgt Ion:114 Resp: 1462489
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.2
 88 16.8 0.0 35.0

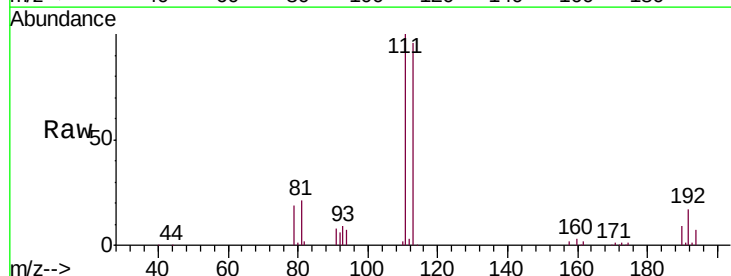


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

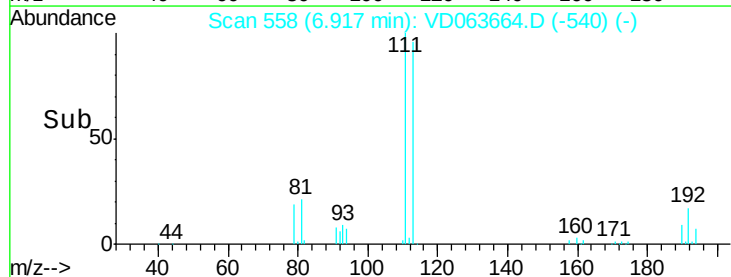
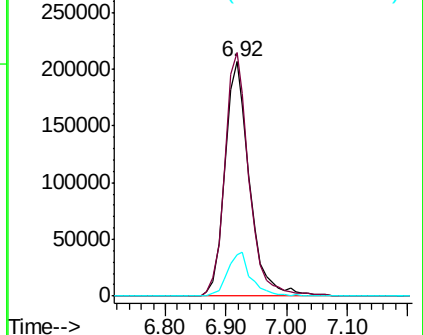


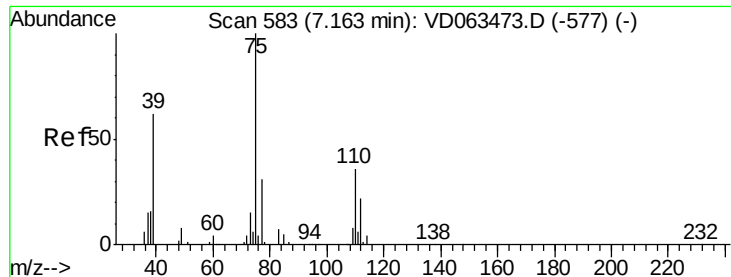
#35
 Dibromofluoromethane
 Concen: 47.305 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

Tgt Ion:113 Resp: 582666
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.1 124.7
 192 17.9 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

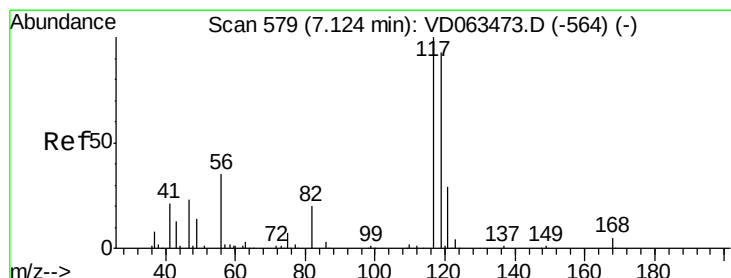
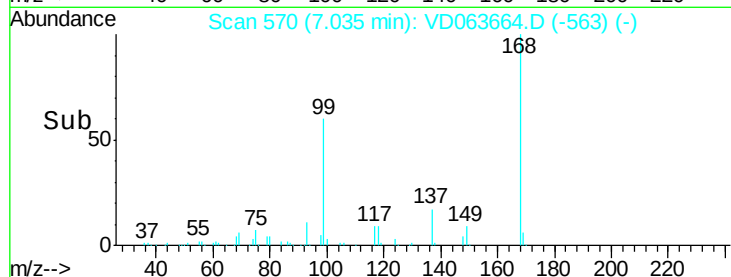
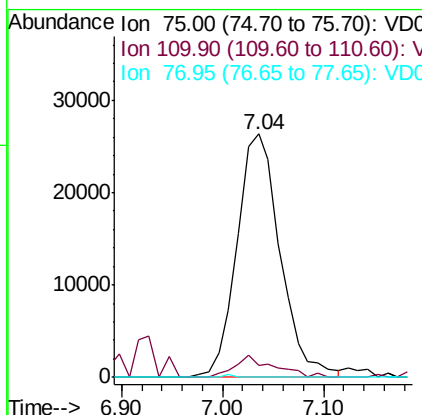
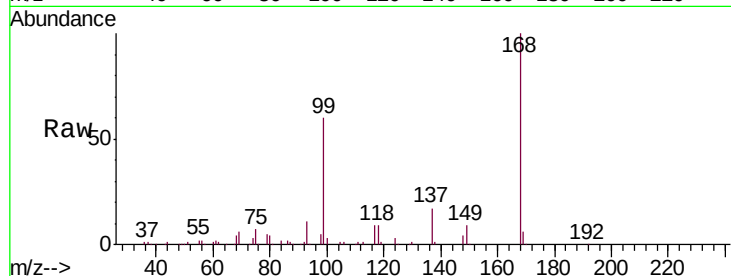




#36
 1,1-Dichloropropene
 Concen: 6.078 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

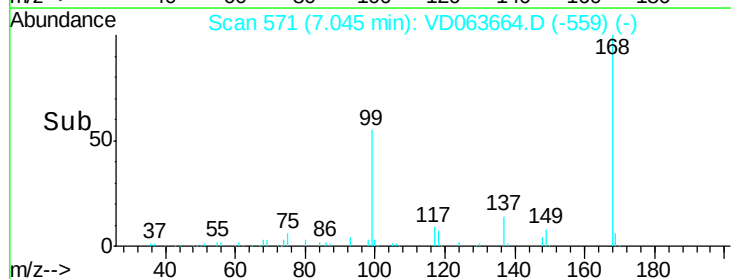
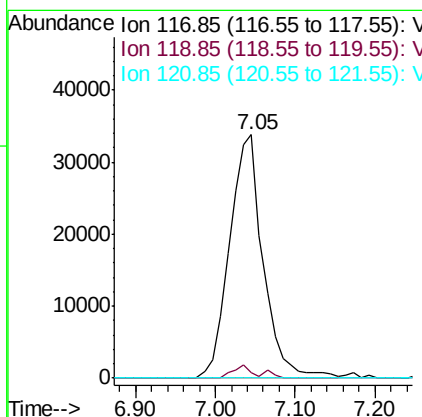
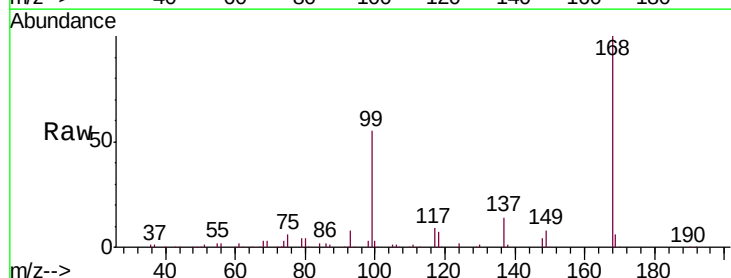
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 MSVOA_D
 ClientSampleId :
 N-WALL-2

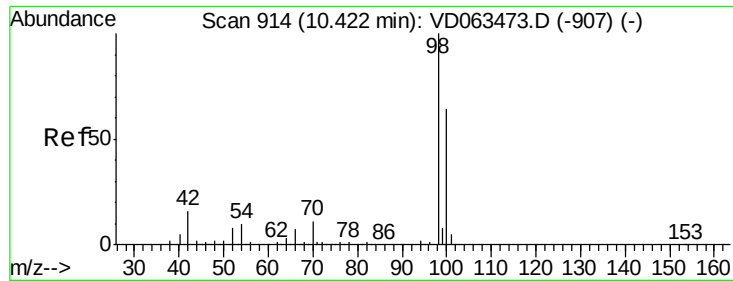
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.9	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.084 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.5	74.2	111.2#
121	0.0	23.1	34.7#

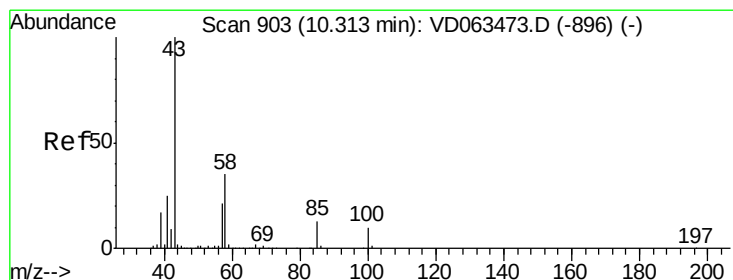
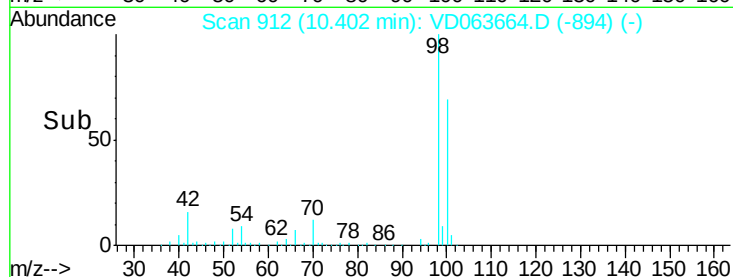
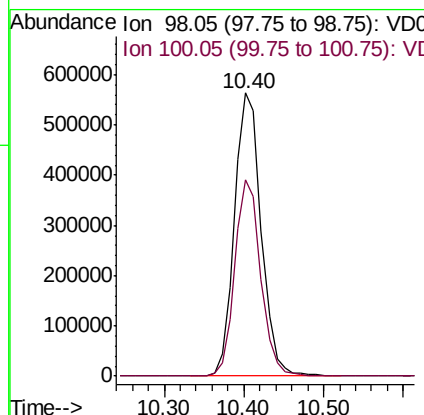
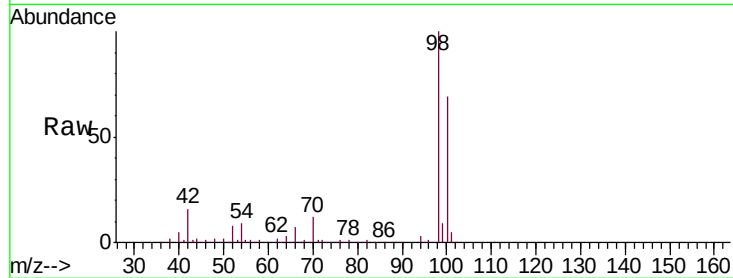




#50
Toluene-d8
Concen: 48.598 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

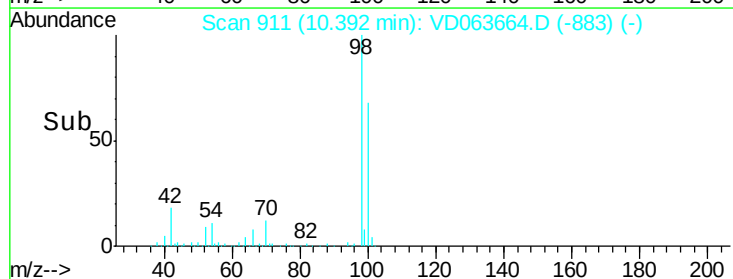
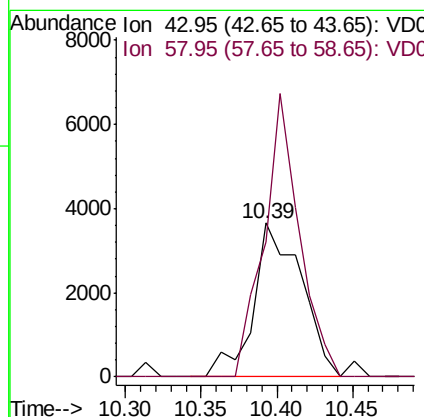
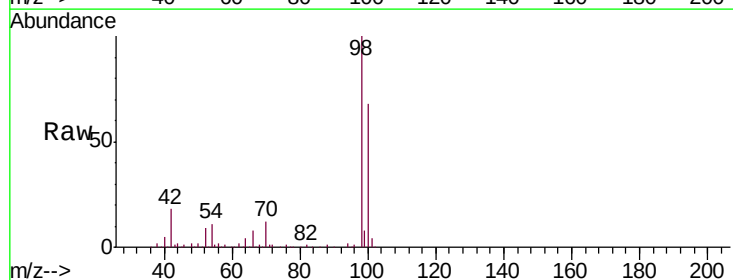
Instrument :
MSVOA_D
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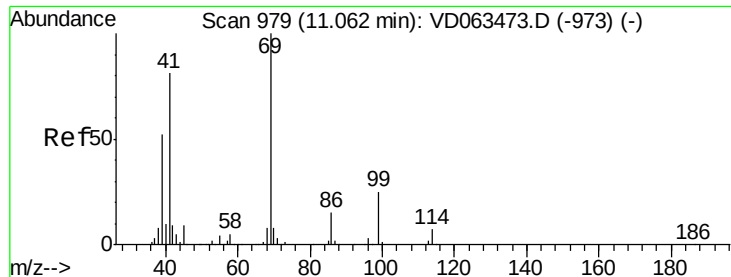
Tgt Ion: 98 Resp: 1316032
Ion Ratio Lower Upper
98 100
100 69.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.641 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

Tgt Ion: 43 Resp: 8148
Ion Ratio Lower Upper
43 100
58 87.7 28.0 42.0#





#56

Ethyl methacrylate

Concen: 1.124 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.15 min

Lab File: VD063664.D

Acq: 19 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-2

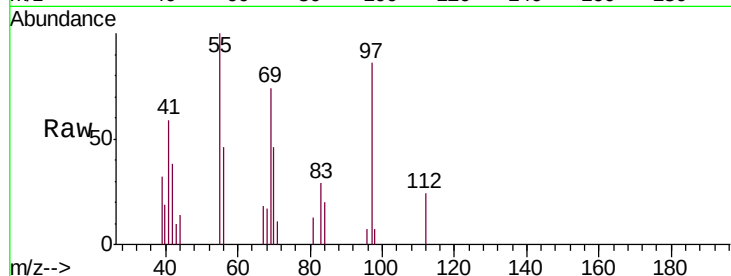
Tgt Ion: 69 Resp: 7551

Ion Ratio Lower Upper

69 100

41 79.4 64.8 97.2

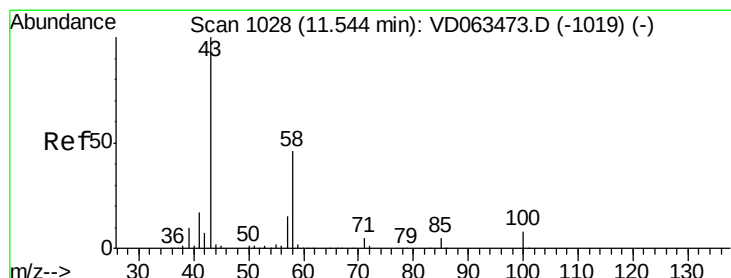
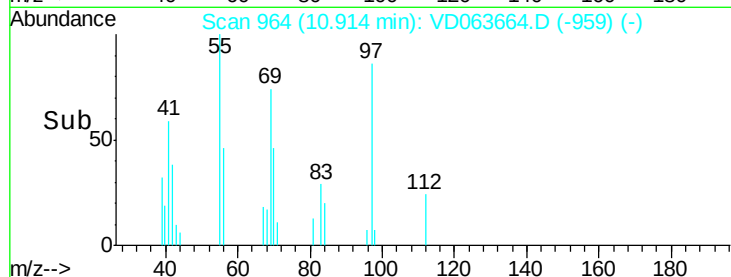
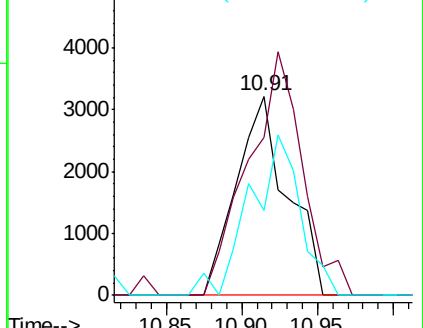
39 42.7 42.4 63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 3.133 ug/l

RT: 11.48 min Scan# 1021

Delta R.T. -0.07 min

Lab File: VD063664.D

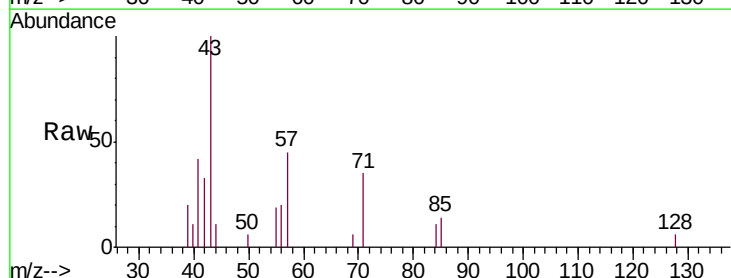
Acq: 19 Aug 2019 18:12

Tgt Ion: 43 Resp: 11317

Ion Ratio Lower Upper

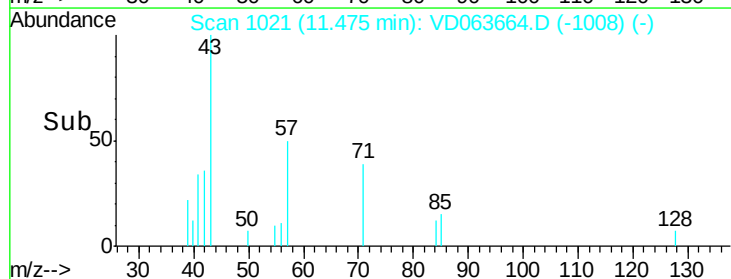
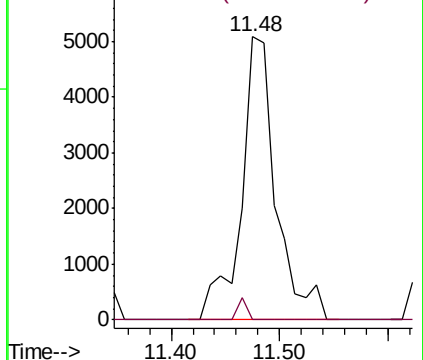
43 100

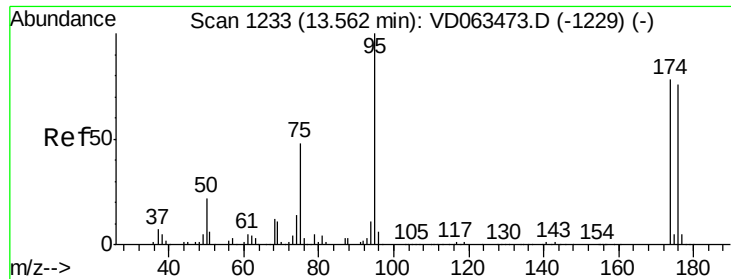
58 0.0 23.1 69.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

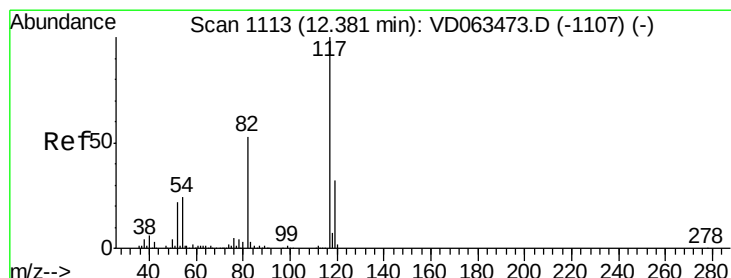
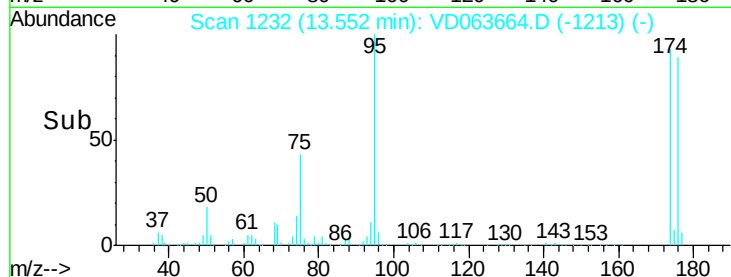
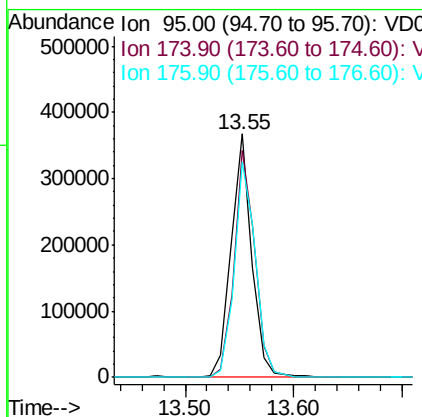
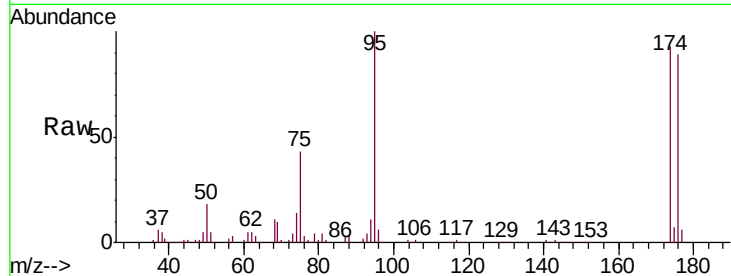




#62
4-Bromofluorobenzene
Concen: 39.713 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

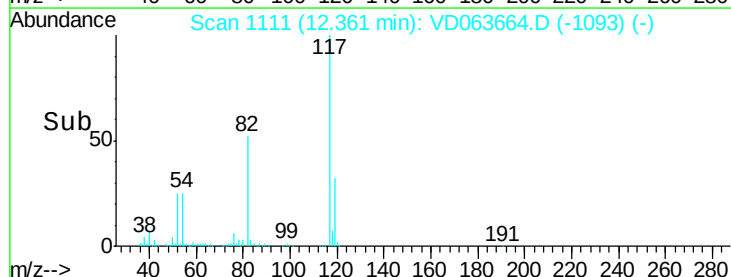
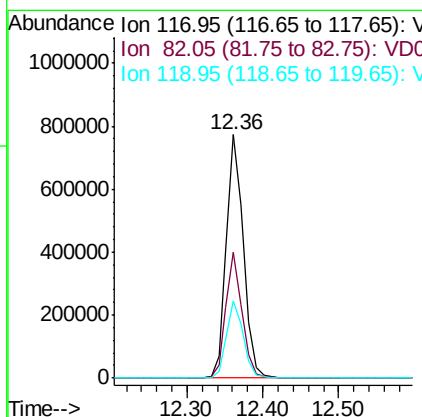
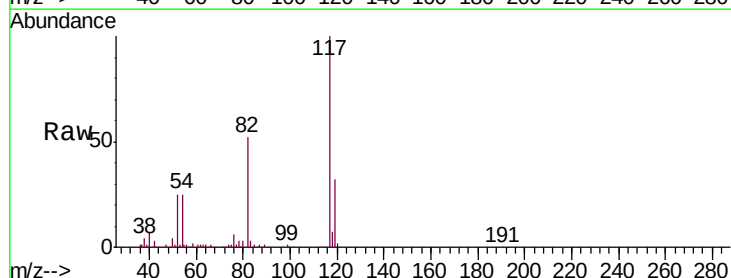
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-2

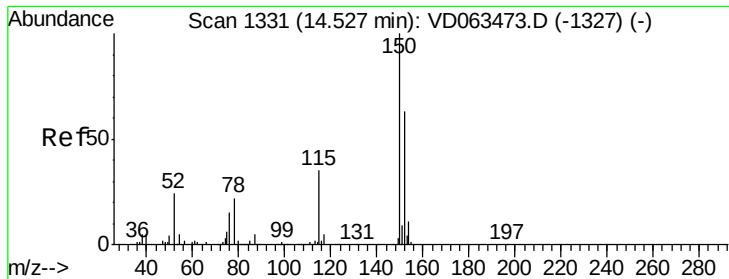
Tgt Ion: 95 Resp: 487433
Ion Ratio Lower Upper
95 100
174 93.0 0.0 155.4
176 88.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063664.D
Acq: 19 Aug 2019 18:12

Tgt Ion: 117 Resp: 1208583
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 31.6 25.4 38.0

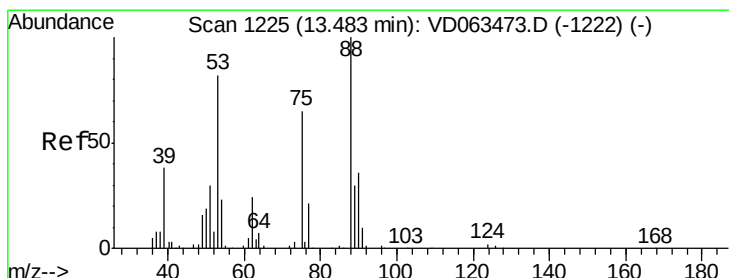
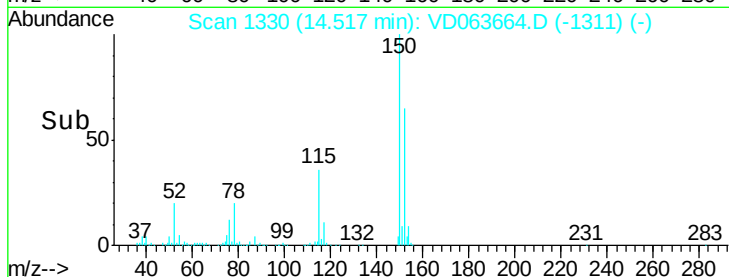
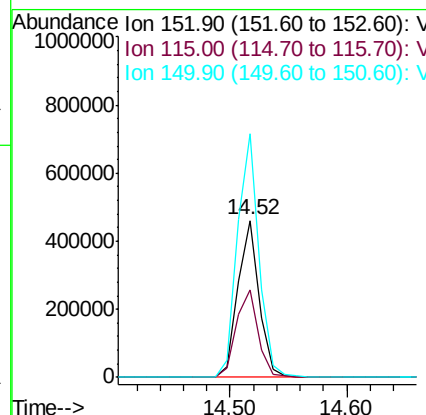
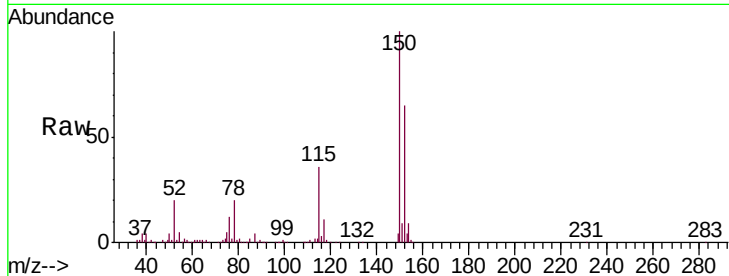




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-2

Tgt Ion: 152 Resp: 581781
 Ion Ratio Lower Upper
 152 100
 115 55.7 30.9 92.7
 150 155.0 0.0 318.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.294 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063664.D
 Acq: 19 Aug 2019 18:12

Tgt Ion: 75 Resp: 215877
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#

