

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
 Data File : VN058476.D
 Acq On : 2 Oct 2019 15:54
 Operator : JC/SP
 Sample : VN1002MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

Quant Time: Oct 03 05:10:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	351746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	573312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	257058	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	
35) Dibromofluoromethane	7.57	113	181795	51.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.48%	
50) Toluene-d8	10.08	98	716427	52.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.41	95	211534	42.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.00%	

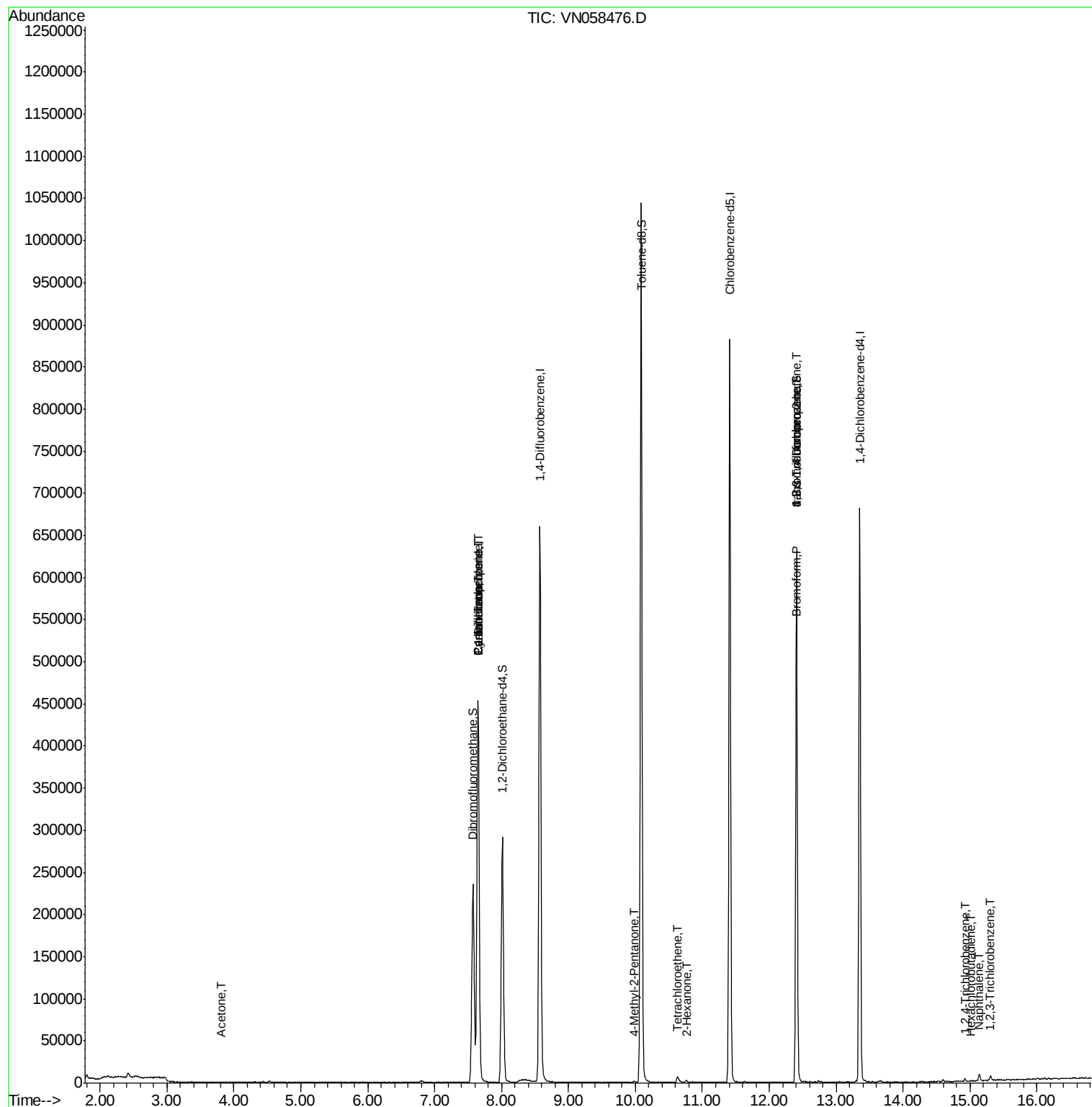
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	578	0.330	ug/l #	47
31) Cyclohexane	7.64	56	9507	1.336	ug/l #	30
36) 1,1-Dichloropropene	7.65	75	31906	5.820	ug/l #	50
38) Carbon Tetrachloride	7.65	117	36555	7.387	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1839	0.410	ug/l #	67
59) 2-Hexanone	10.76	43	2499	0.764	ug/l	74
60) Dibromochloromethane	10.63	129	1341	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1776	0.582	ug/l #	70
71) Bromoform	12.39	173	120	0.748	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	118786	37.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	118786	113.042	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1225	0.420	ug/l	92
94) Hexachlorobutadiene	15.01	225	356	0.238	ug/l #	37
95) Naphthalene	15.14	128	7450	0.844	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1772	0.581	ug/l	76

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058476.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

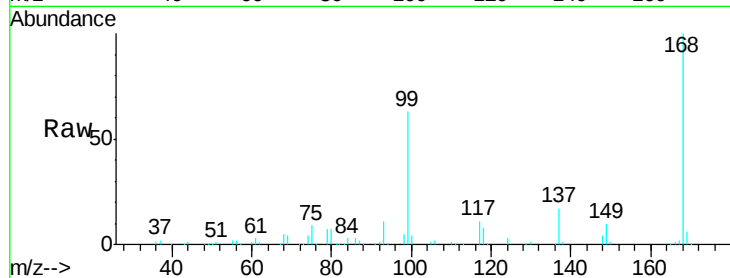
VN1002MBL01

Tgt Ion: 168 Resp: 351746

Ion Ratio Lower Upper

168 100

99 63.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

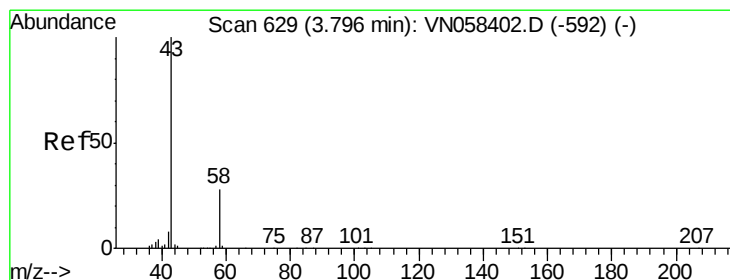
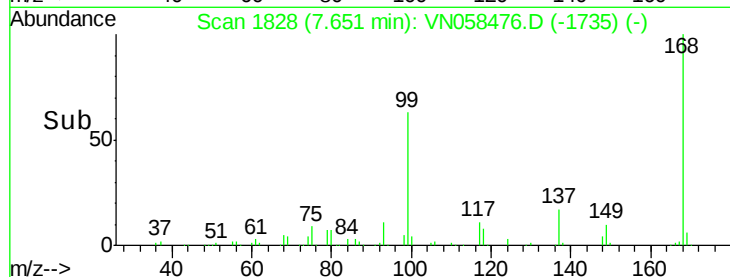
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.330 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN058476.D

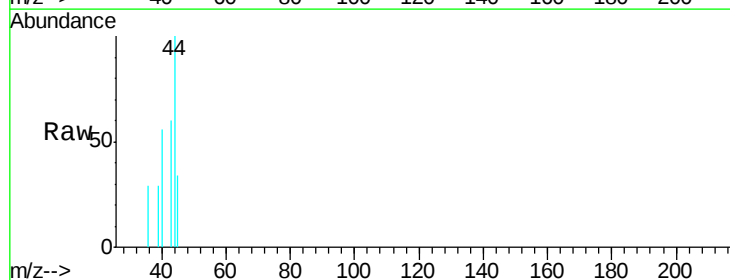
Acq: 2 Oct 2019 15:54

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)

3.81

600

500

400

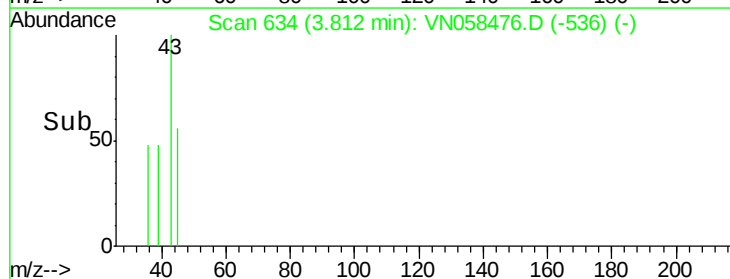
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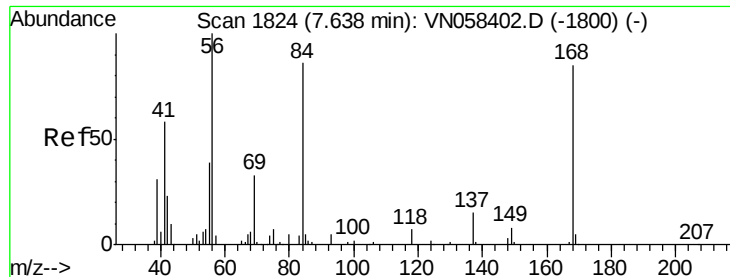
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.336 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058476.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN1002MBL01

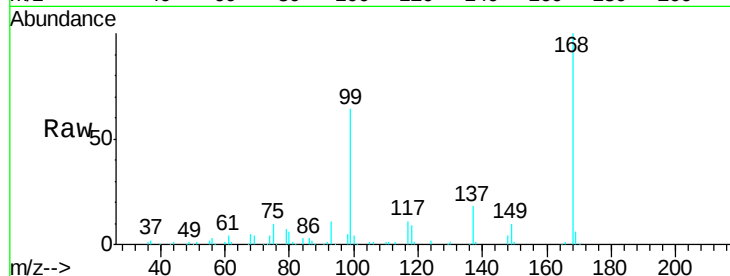
Tgt Ion: 56 Resp: 9507

Ion Ratio Lower Upper

56 100

69 147.6 26.2 39.4#

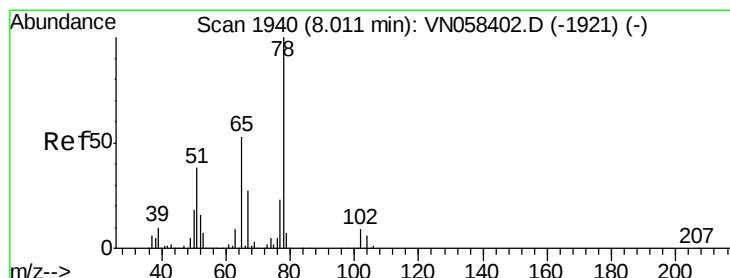
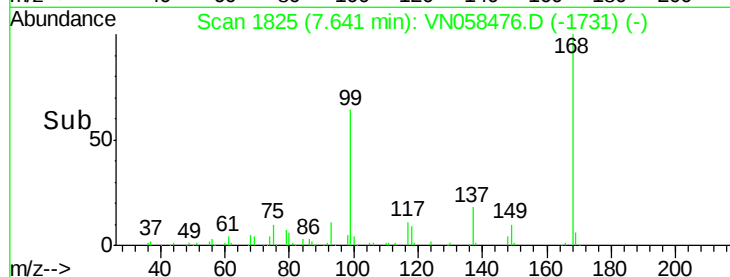
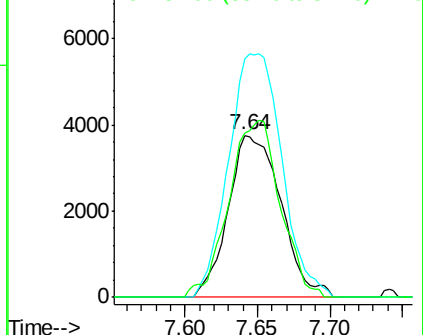
84 101.6 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.009 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058476.D

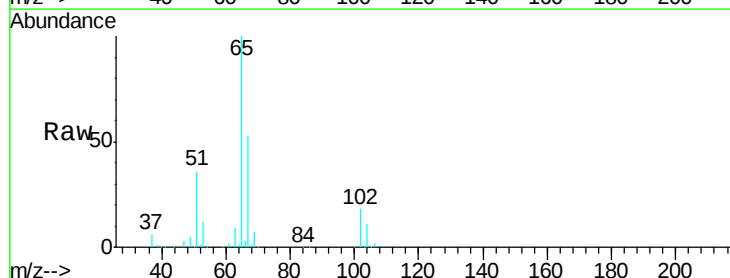
Acq: 2 Oct 2019 15:54

Tgt Ion: 65 Resp: 257058

Ion Ratio Lower Upper

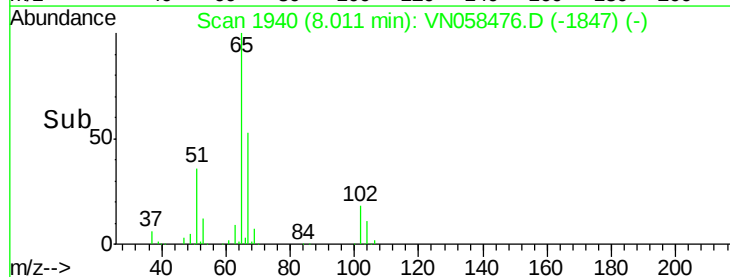
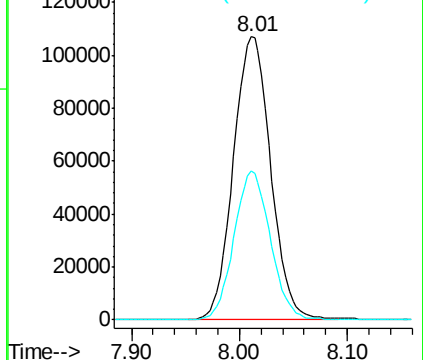
65 100

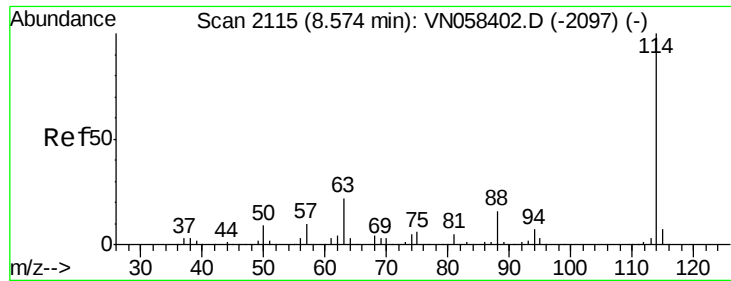
67 51.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

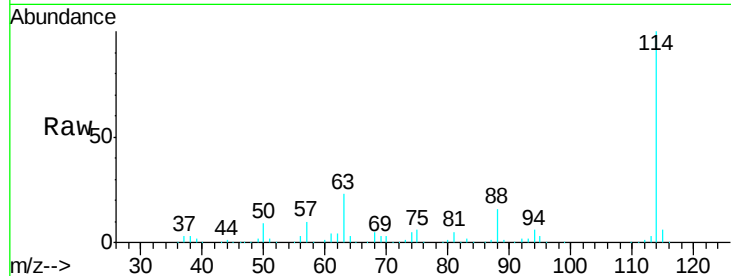




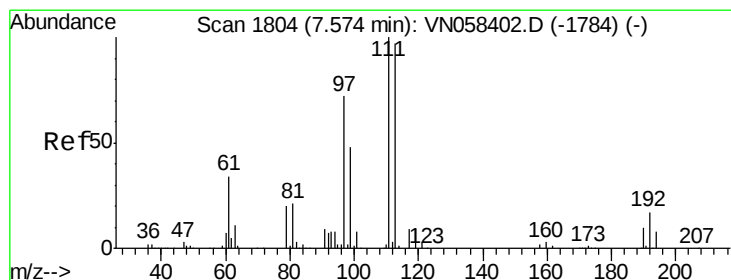
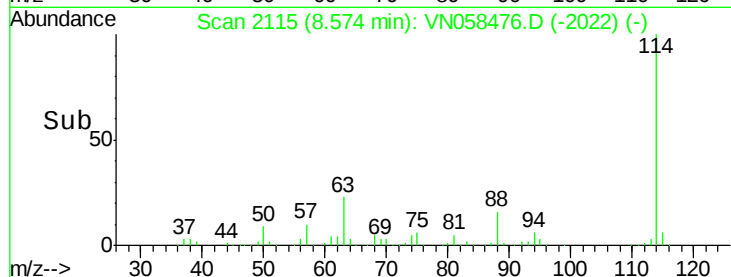
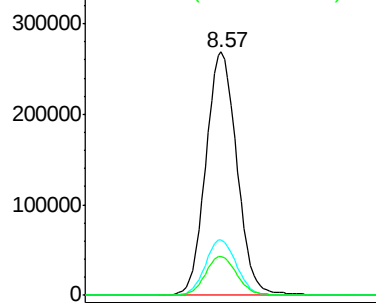
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

Tgt Ion:114 Resp: 573312
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.0 0.0 32.2

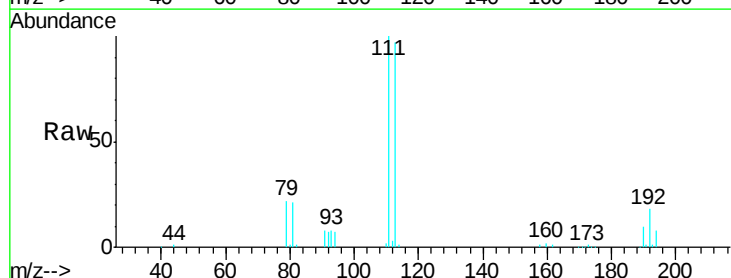


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

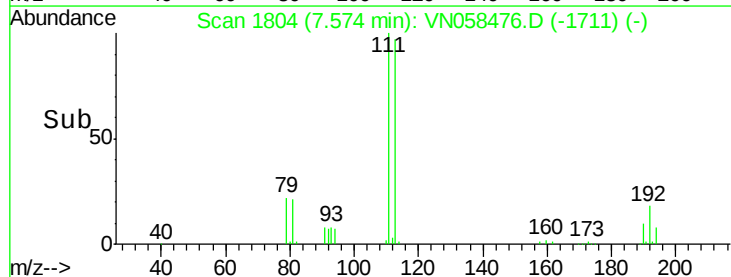
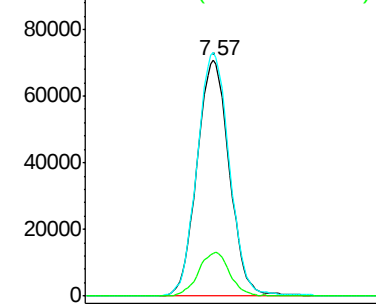


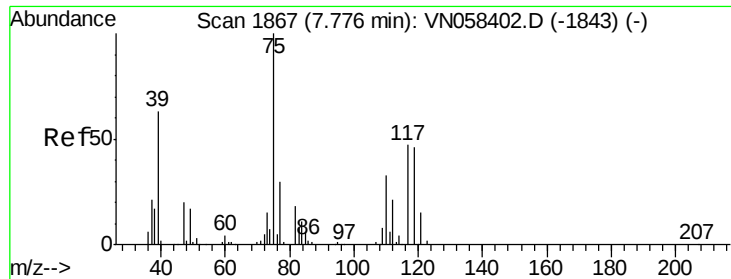
#35
 Dibromofluoromethane
 Concen: 51.738 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Tgt Ion:113 Resp: 181795
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.4 125.2
 192 18.0 14.9 22.3



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

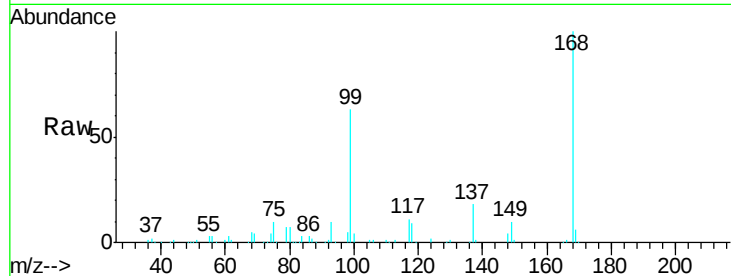




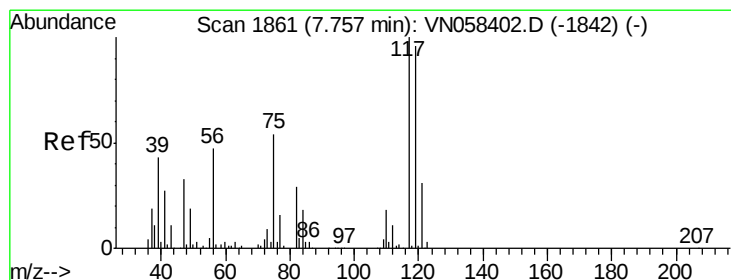
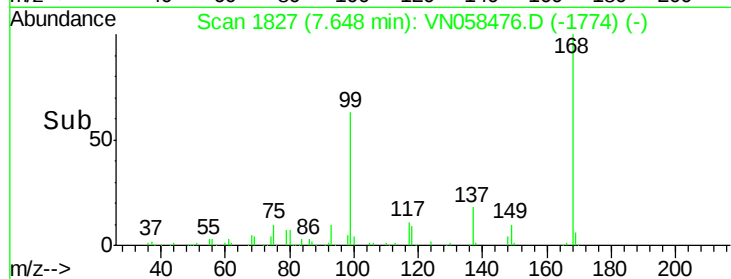
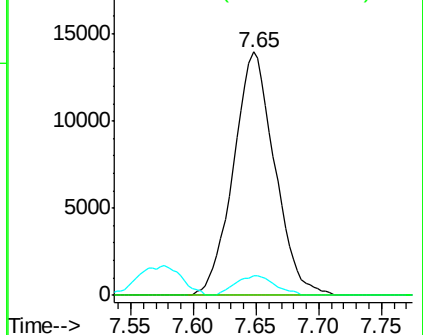
#36
 1,1-Dichloropropene
 Concen: 5.820 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

Tgt Ion: 75 Resp: 31906
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.4 49.2#
 77 0.0 24.3 36.5#

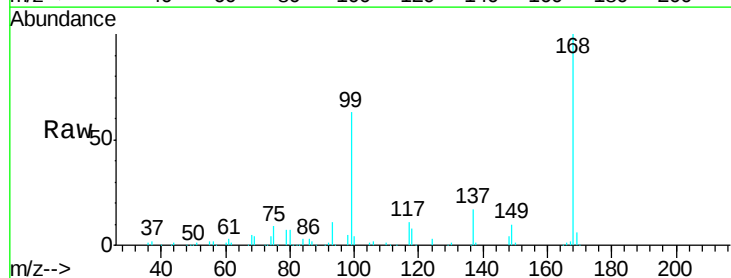


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

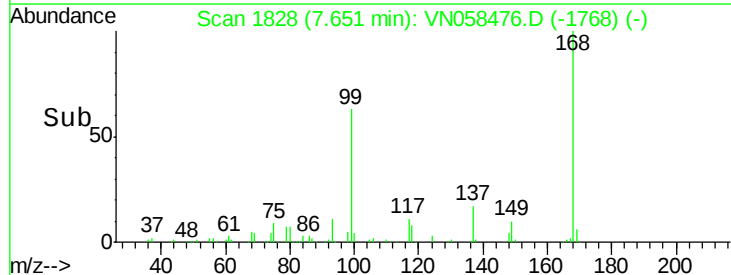
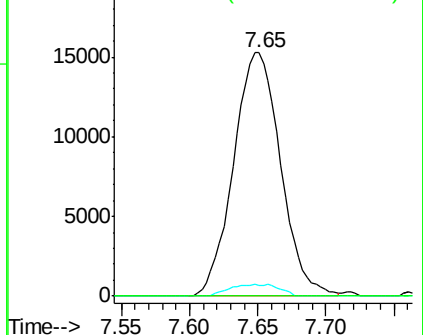


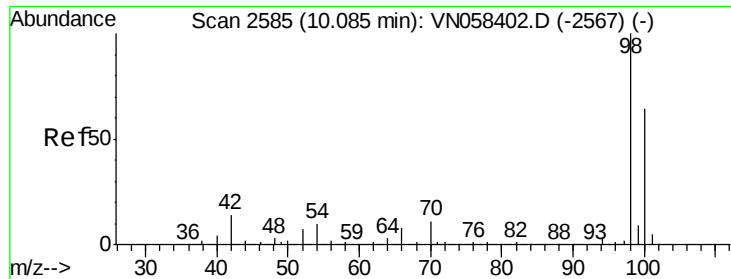
#38
 Carbon Tetrachloride
 Concen: 7.387 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Tgt Ion: 117 Resp: 36555
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.6 115.0#
 121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.047 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058476.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

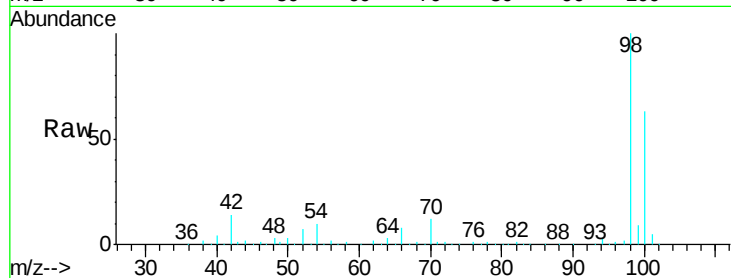
VN1002MBL01

Tgt Ion: 98 Resp: 716427

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

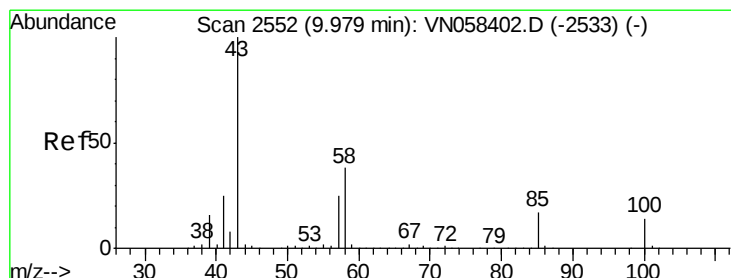
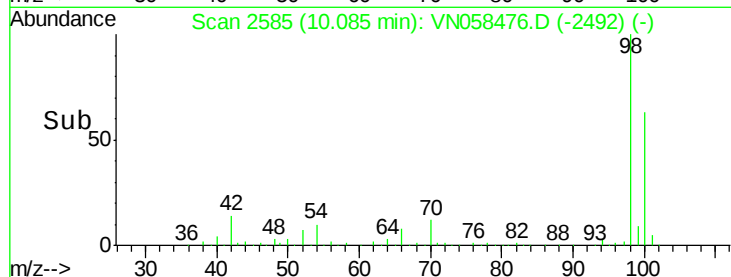
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.410 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058476.D

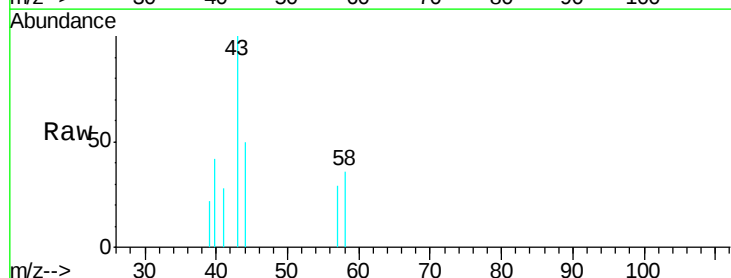
Acq: 2 Oct 2019 15:54

Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

43 100

58 18.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

1000

800

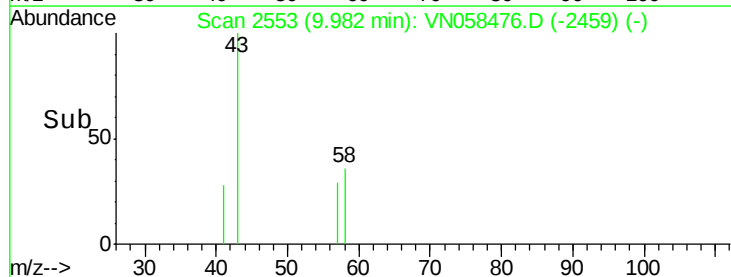
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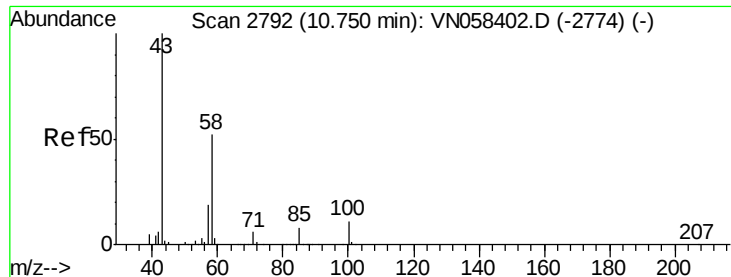
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200

0

Time-->

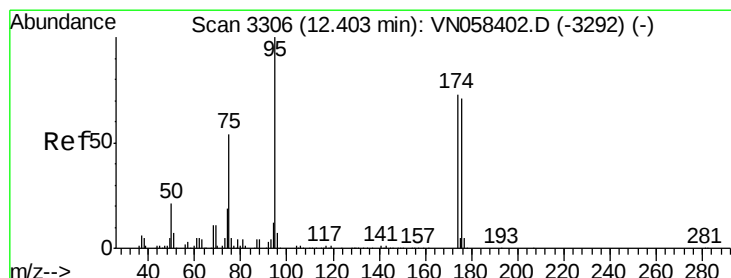
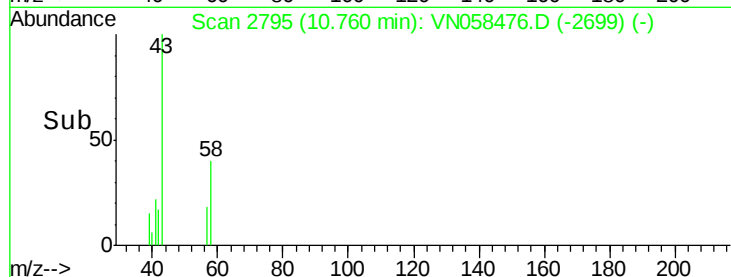
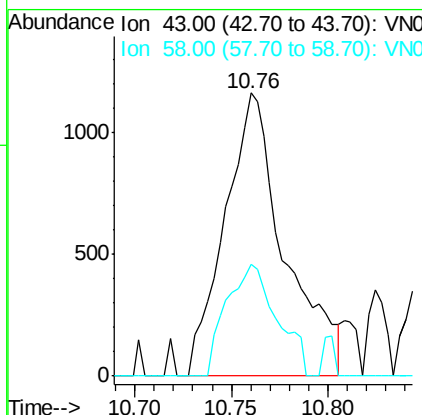
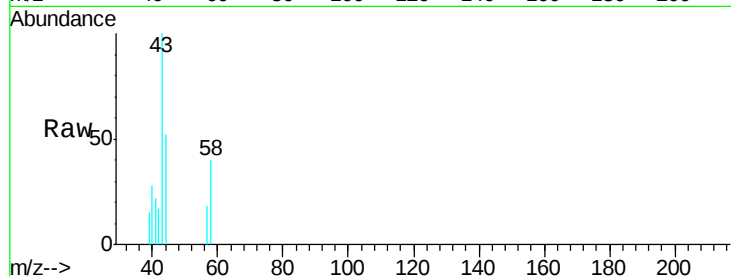




#59
2-Hexanone
Concen: 0.764 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

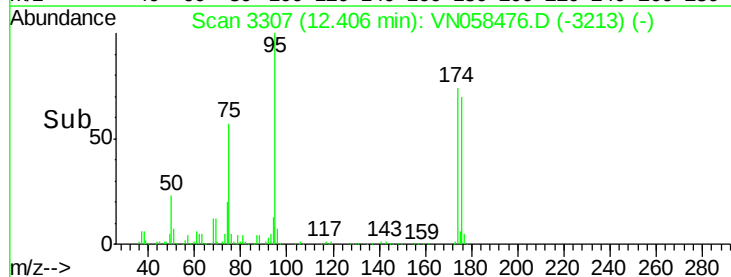
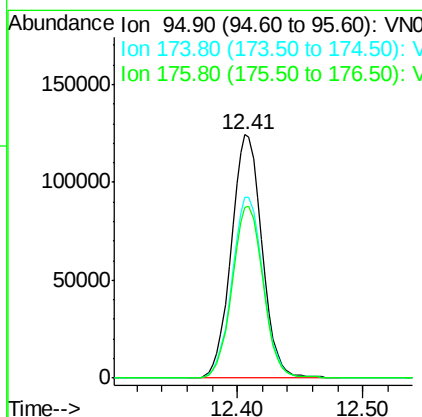
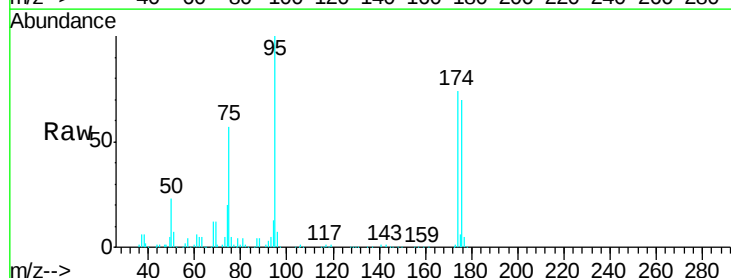
Instrument :
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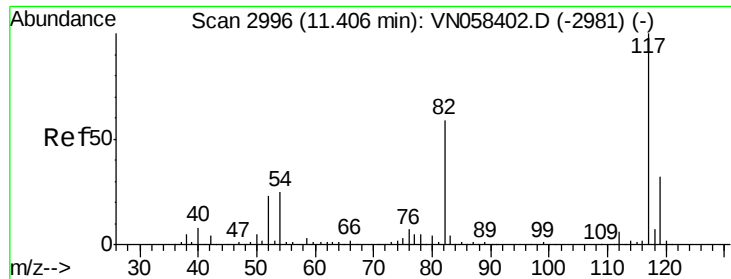
Tgt Ion: 43 Resp: 2499
Ion Ratio Lower Upper
43 100
58 33.3 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 42.501 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

Tgt Ion: 95 Resp: 211534
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.6
176 71.4 0.0 146.2

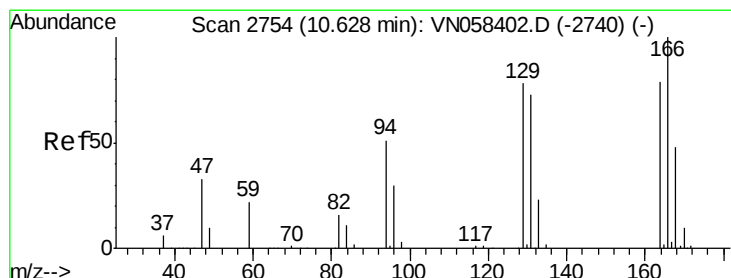
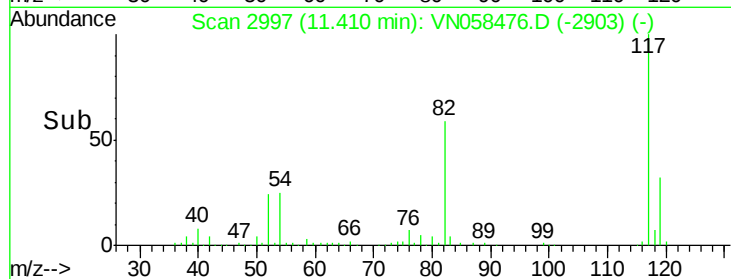
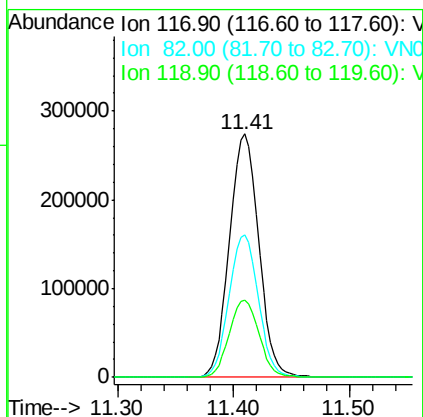
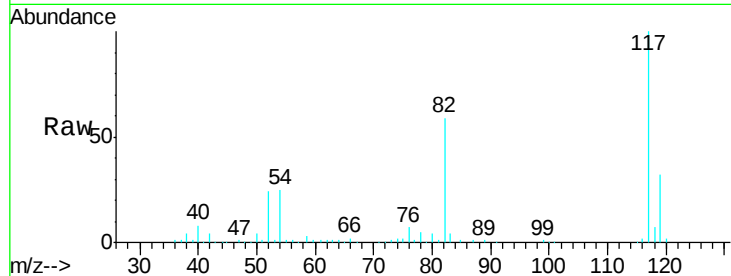




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

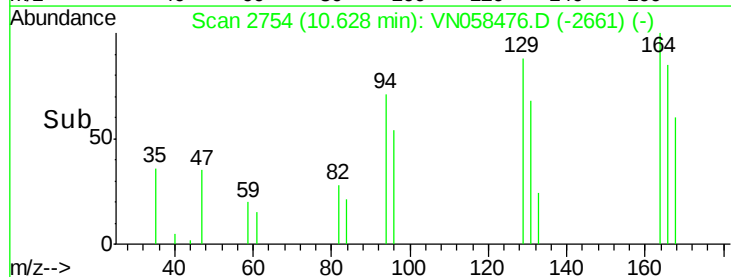
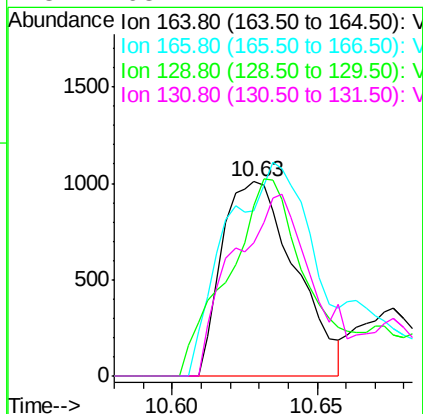
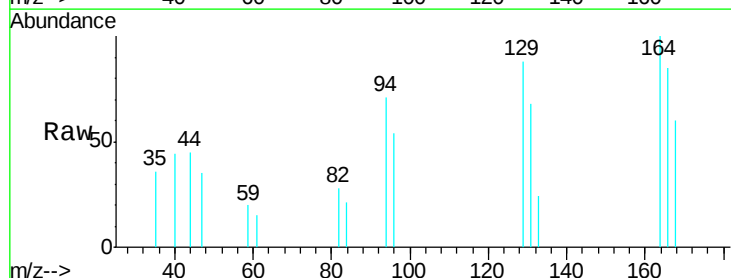
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

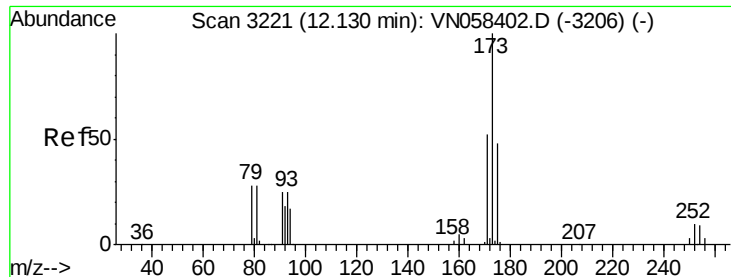
Tgt Ion:117 Resp: 480273
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.0
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.582 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

Tgt Ion:164 Resp: 1776
Ion Ratio Lower Upper
164 100
166 84.8 101.1 151.7#
129 71.4 79.2 118.8#
131 68.4 74.1 111.1#





#71

Bromoform

Concen: 0.748 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN058476.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

VN1002MBL01

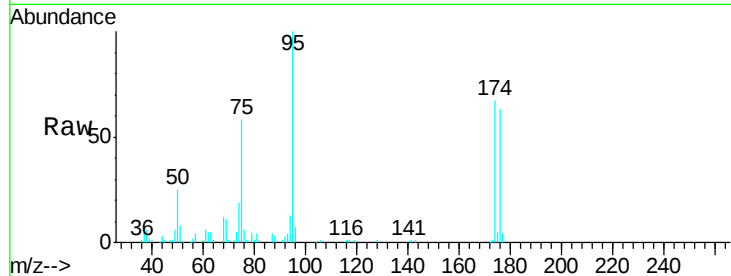
Tgt Ion:173 Resp: 120

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

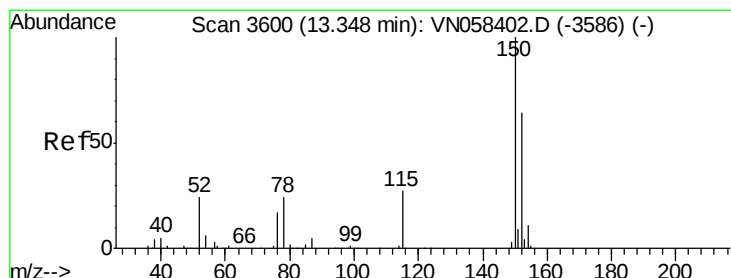
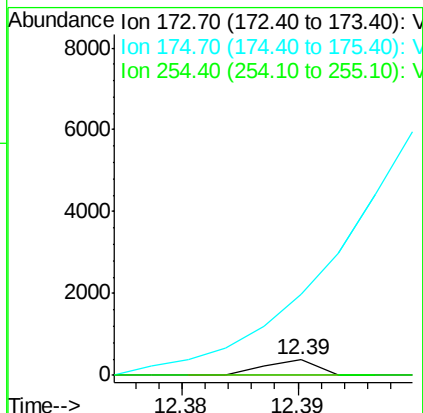
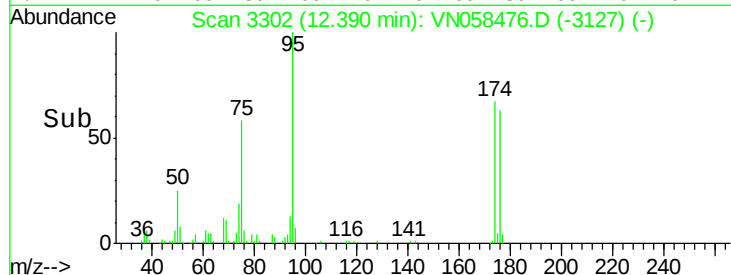
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058476.D

Acq: 2 Oct 2019 15:54

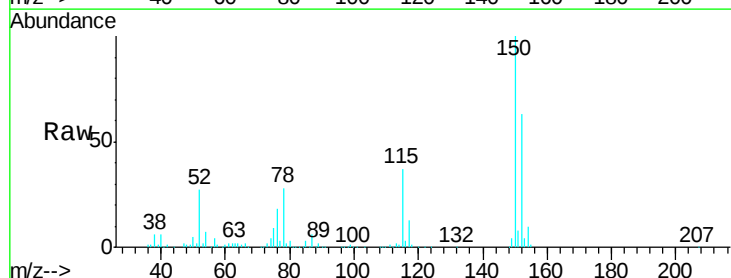
Tgt Ion:152 Resp: 174730

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

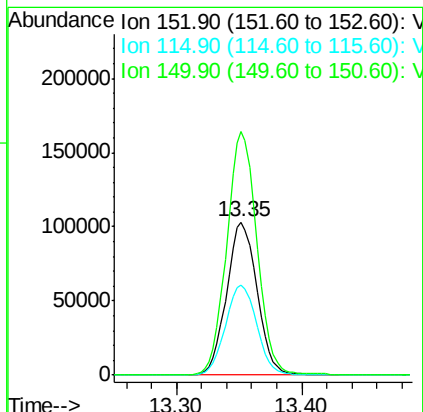
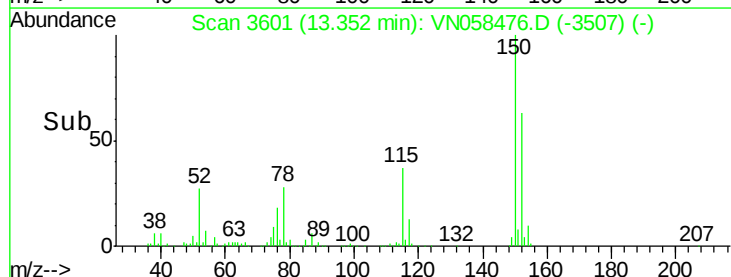
150 156.9 0.0 348.2

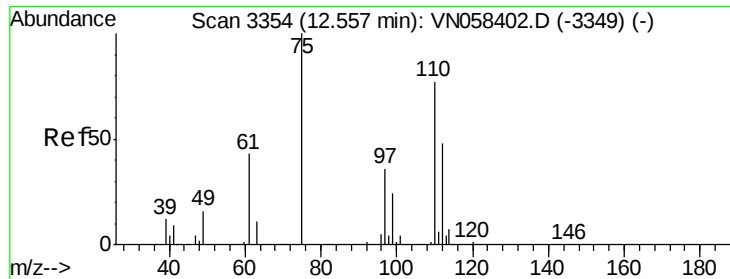


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

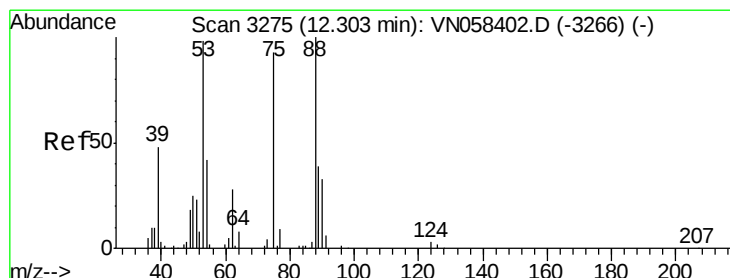
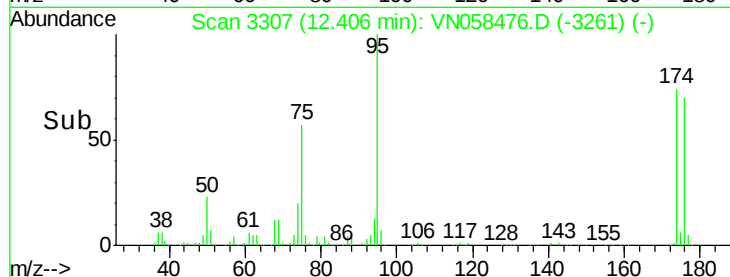
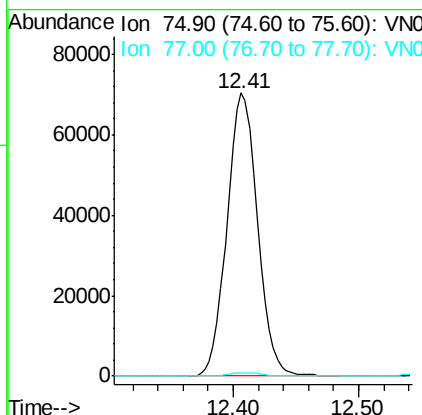
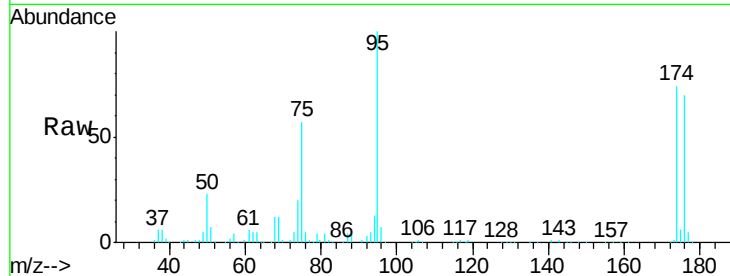




#76
 1,2,3-Trichloropropane
 Concen: 37.220 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

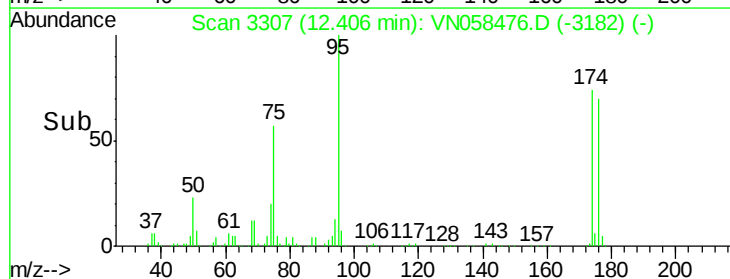
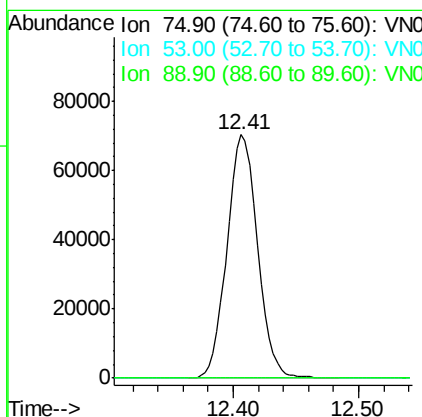
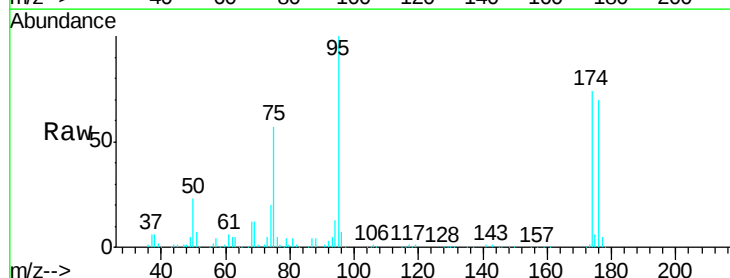
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

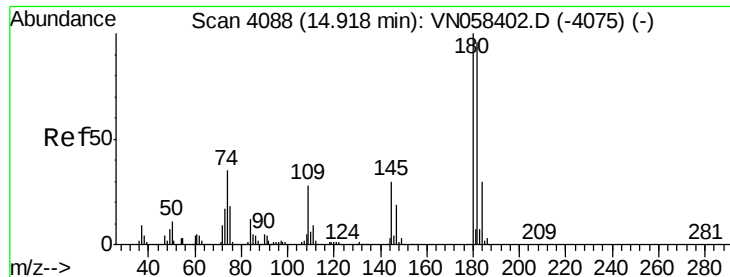
Tgt Ion: 75 Resp: 118786
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.042 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Tgt Ion: 75 Resp: 118786
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.4 128.0#
 89 0.0 35.0 52.4#

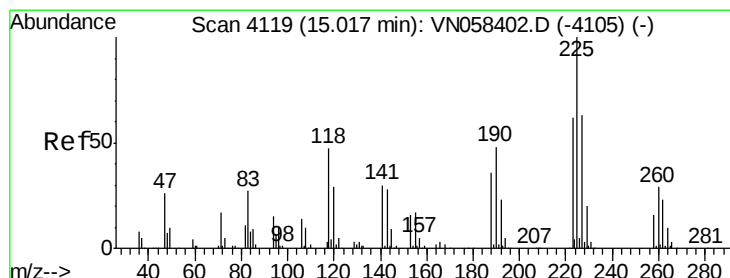
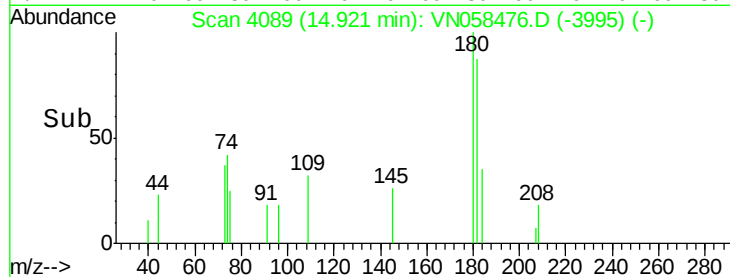
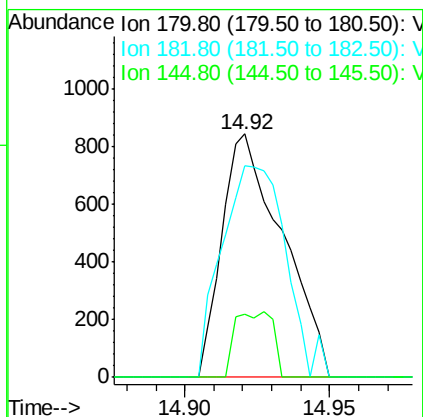
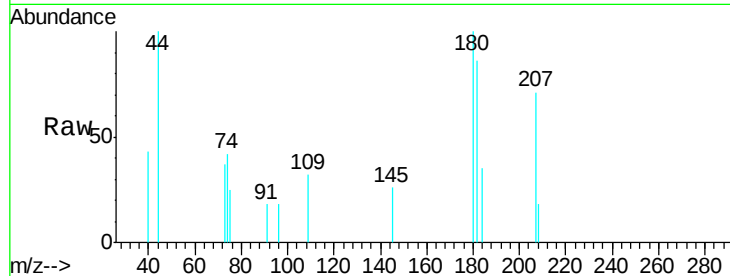




#93
 1,2,4-Trichlorobenzene
 Concen: 0.420 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

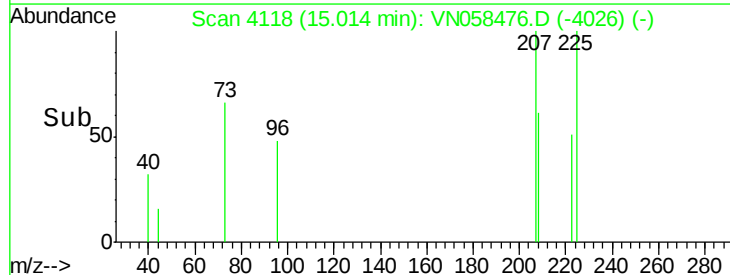
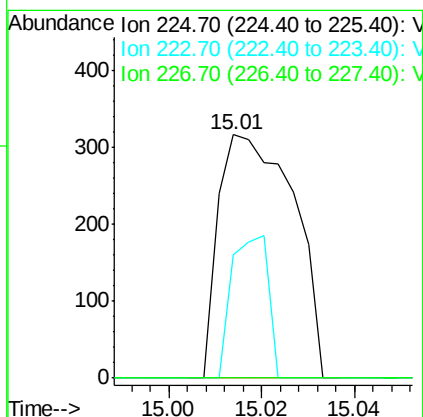
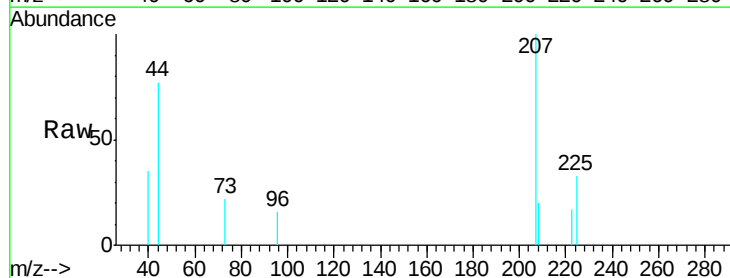
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

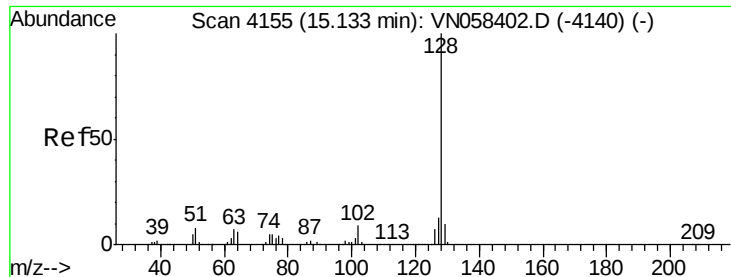
Tgt Ion:180 Resp: 1225
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.4 142.3
 145 16.7 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 0.238 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058476.D
 Acq: 2 Oct 2019 15:54

Tgt Ion:225 Resp: 356
 Ion Ratio Lower Upper
 225 100
 223 28.4 31.1 93.5#
 227 0.0 31.4 94.2#

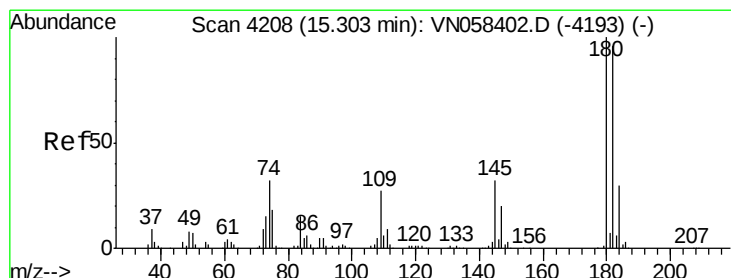
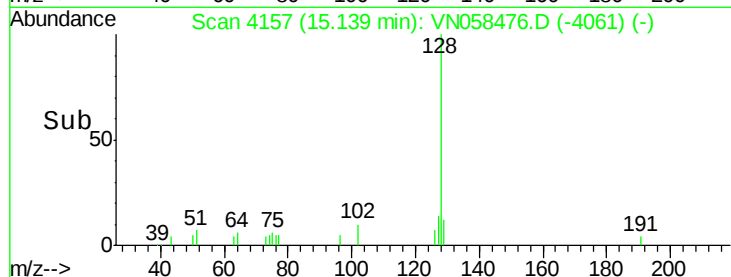
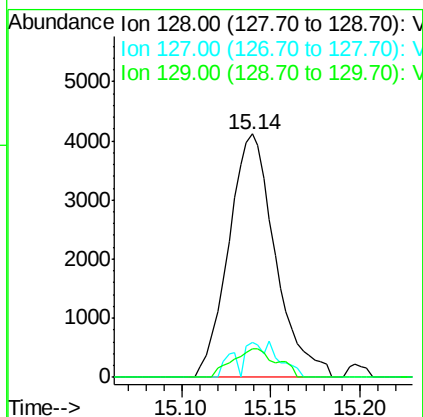
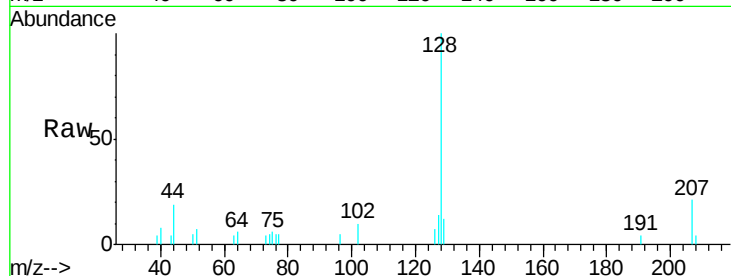




#95
Naphthalene
Concen: 0.844 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
VN1002MBL01

Tgt Ion:128 Resp: 7450
Ion Ratio Lower Upper
128 100
127 10.1 10.2 15.4#
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 0.581 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.01 min
Lab File: VN058476.D
Acq: 2 Oct 2019 15:54

Tgt Ion:180 Resp: 1772
Ion Ratio Lower Upper
180 100
182 124.3 48.3 144.9
145 39.4 16.1 48.3

