

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059258.D
 Acq On : 15 Nov 2019 12:24
 Operator : JC/SP
 Sample : PB124855TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 00:26:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	433024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	663632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216181	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	277744	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	7.57	113	215695	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	10.08	98	839861	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.40	95	266431	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

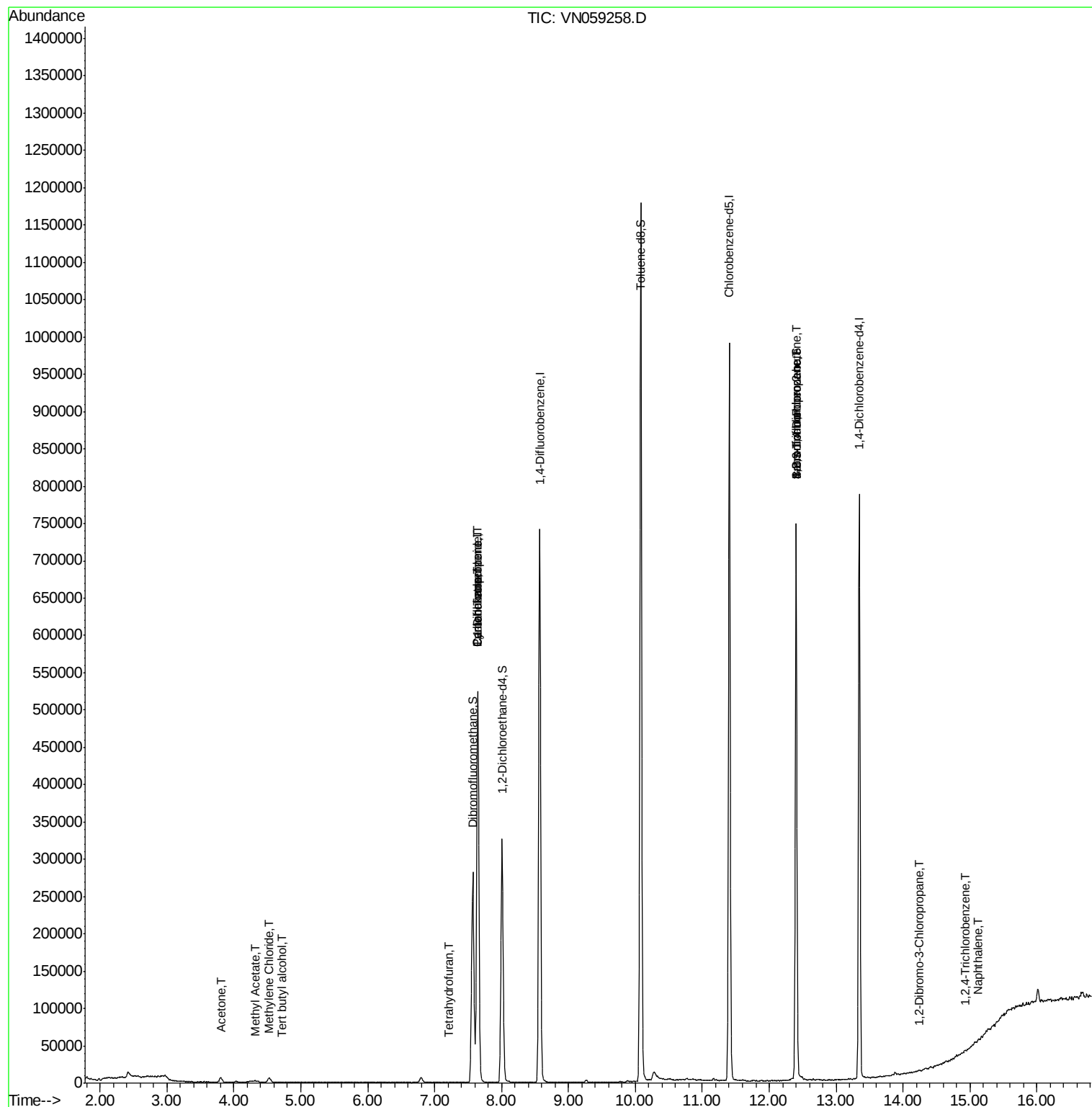
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	763	0.752	ug/l #	72
16) Acetone	3.79	43	2024	0.731	ug/l	95
18) Methyl Acetate	4.31	43	1739	0.265	ug/l #	71
20) Methylene Chloride	4.52	84	4959	1.028	ug/l #	96
29) Tetrahydrofuran	7.21	42	684	0.295	ug/l #	63
31) Cyclohexane	7.64	56	8220	0.992	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32061	5.169	ug/l #	50
38) Carbon Tetrachloride	7.64	117	40508	6.561	ug/l #	17
71) Bromoform	12.40	173	1643	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	131799	26.779	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131799	70.731	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.23	75	246	0.256	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	226	3.099	ug/l #	65
95) Naphthalene	15.13	128	923	3.122	ug/l #	70

(#) = 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: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

Instrument :

MSVOA_N

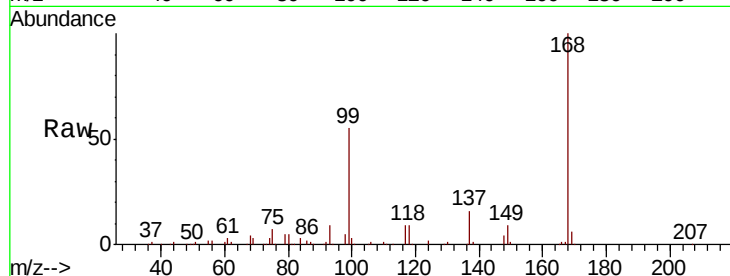
ClientSampled :

Tot Ion:168 Resp: 433024

Ion Ratio Lower Upper

168 100

99 55.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

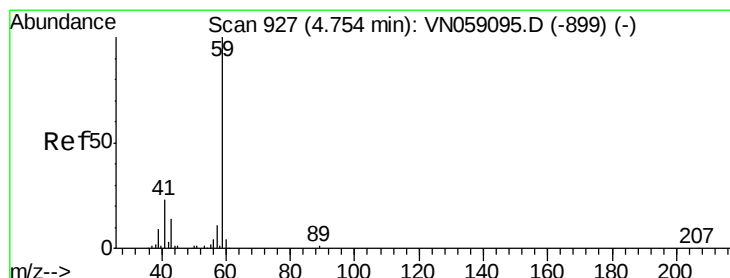
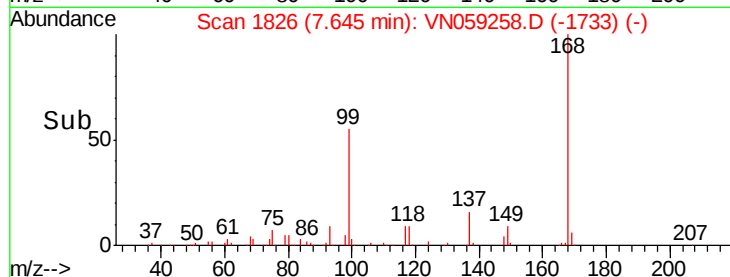
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.752 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.04 min

Lab File: VN059258.D

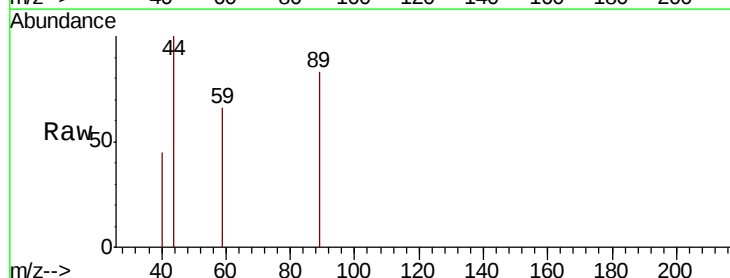
Acq: 15 Nov 2019 12:24

Tgt Ion: 59 Resp: 763

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

400

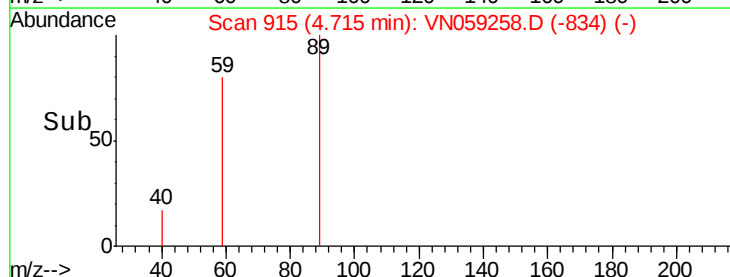
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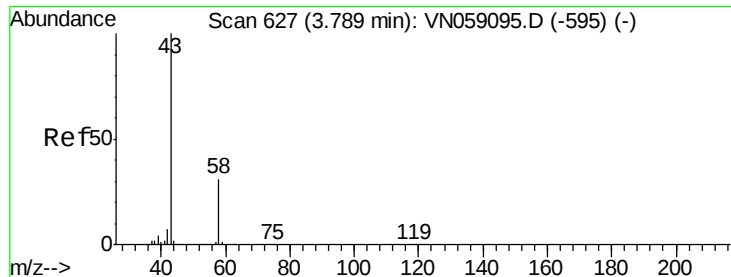
200

100

0

Time-->





#16

Acetone

Concen: 0.731 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

Instrument :

MSVOA_N

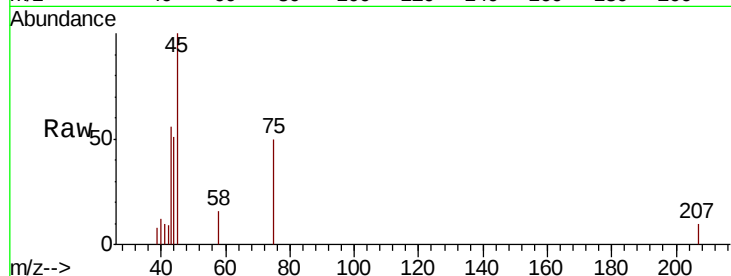
ClientSampleId :

Tot Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

58 28.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059258.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059258.D (-534) (-)

1500

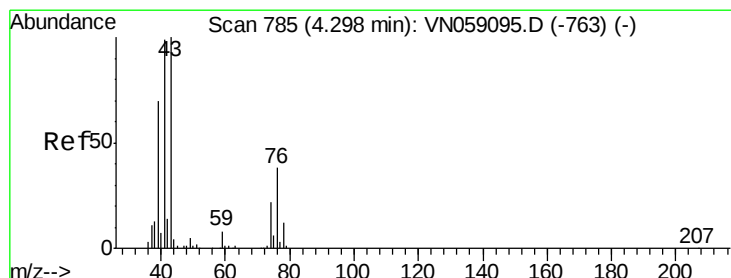
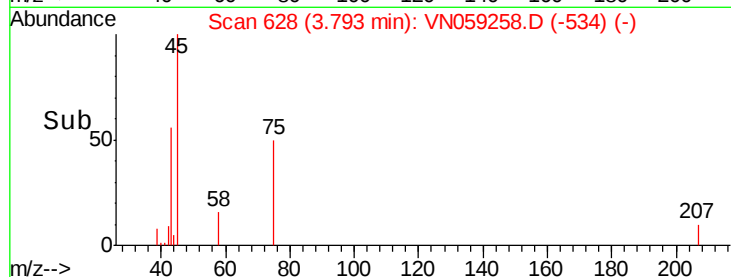
1000

500

0

3.74 3.76 3.78 3.80

Time-->



#18

Methyl Acetate

Concen: 0.265 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.02 min

Lab File: VN059258.D

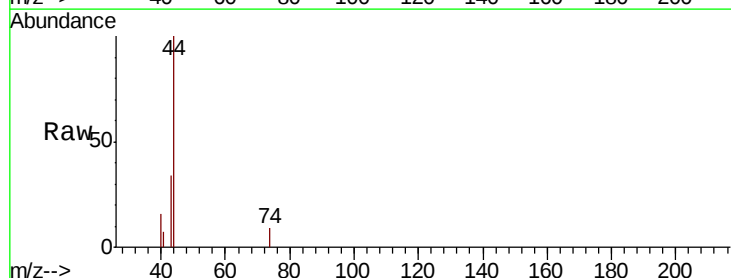
Acq: 15 Nov 2019 12:24

Tgt Ion: 43 Resp: 1739

Ion Ratio Lower Upper

43 100

74 8.2 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059258.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059258.D (-692) (-)

800

600

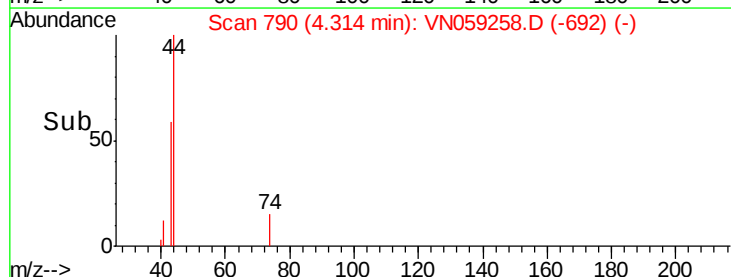
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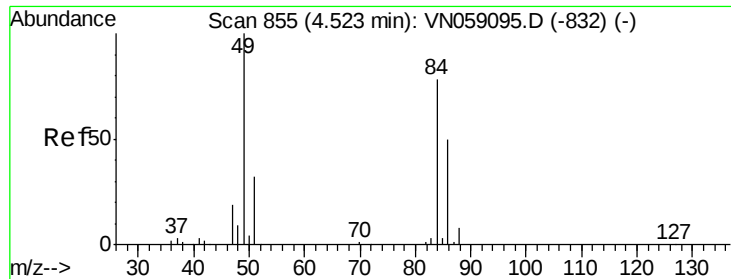
200

0

4.25 4.30 4.35

Time-->

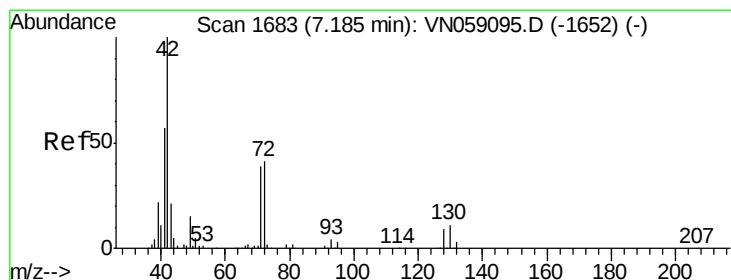
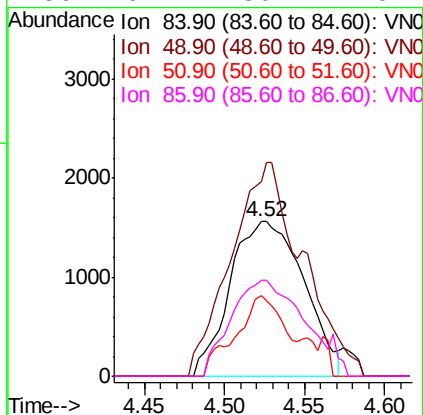
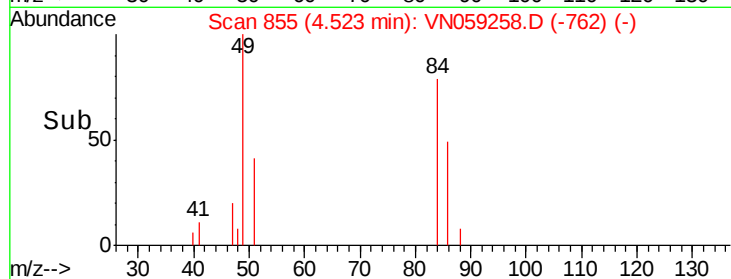
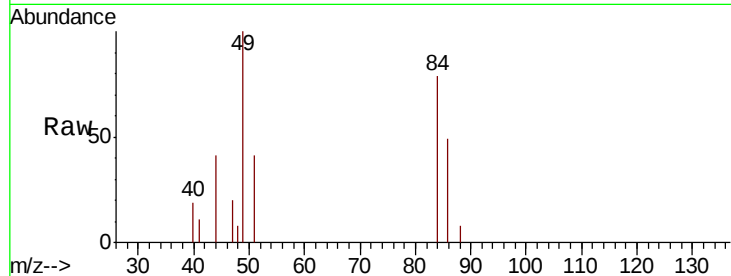




#20
Methylene Chloride
Concen: 1.028 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

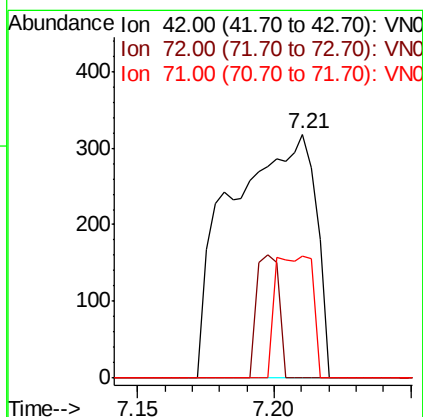
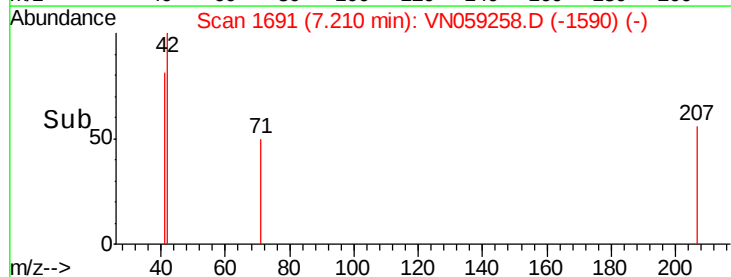
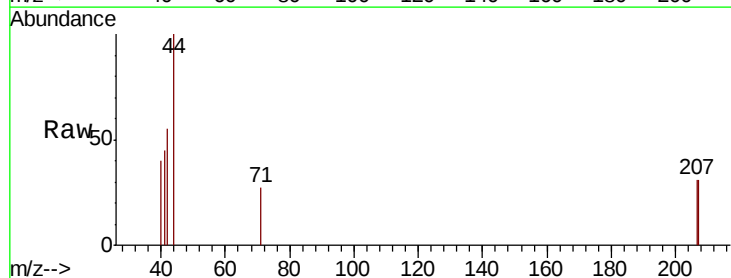
Instrument :
MSVOA_N
ClientSampleId :

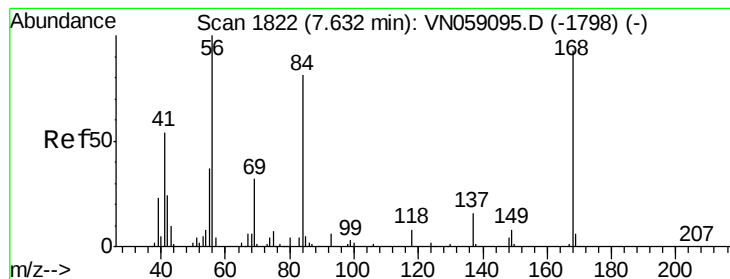
Tot Ion: 84 Resp: 4959
Ion Ratio Lower Upper
84 100
49 126.1 102.0 153.0
51 52.2 32.2 48.2#
86 62.1 50.7 76.1



#29
Tetrahydrofuran
Concen: 0.295 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

Tgt Ion: 42 Resp: 684
Ion Ratio Lower Upper
42 100
72 13.0 33.1 49.7#
71 21.9 30.9 46.3#





#31

Cyclohexane

Concen: 0.992 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

Instrument :
MSVOA_N
ClientSampled :

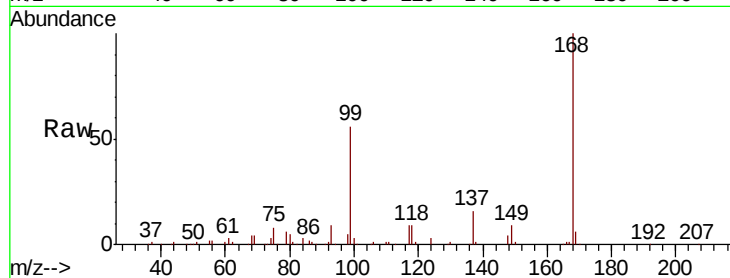
Tot Ion: 56 Resp: 8220

Ion Ratio Lower Upper

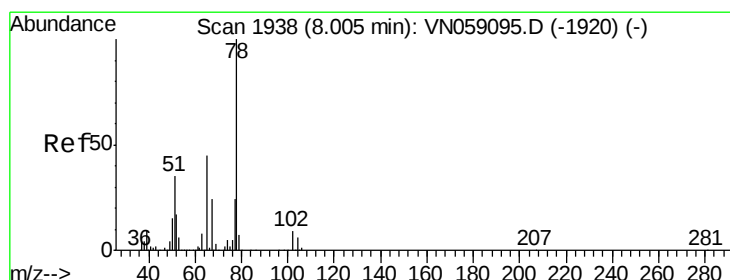
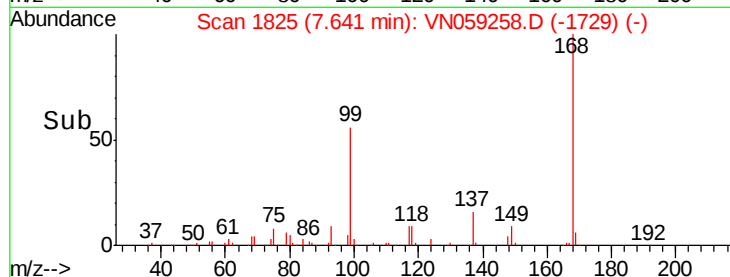
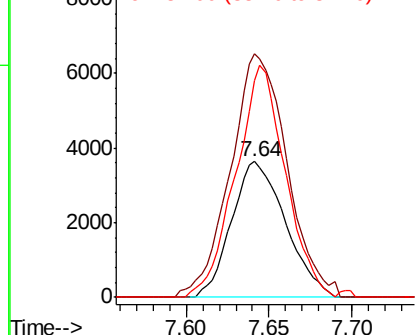
56 100

69 179.3 25.8 38.8#

84 155.2 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 52.178 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059258.D

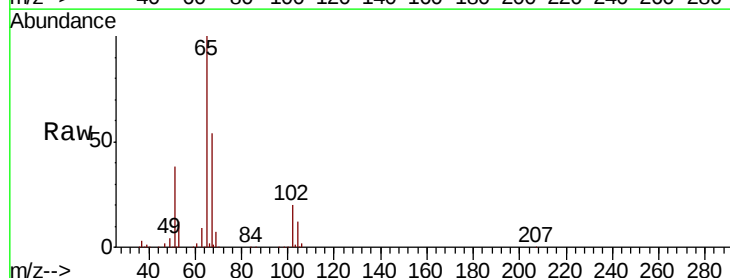
Acq: 15 Nov 2019 12:24

Tgt Ion: 65 Resp: 277744

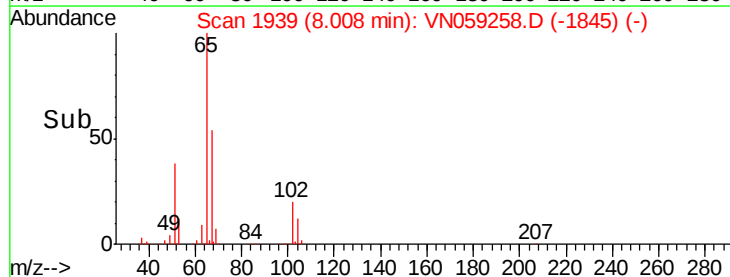
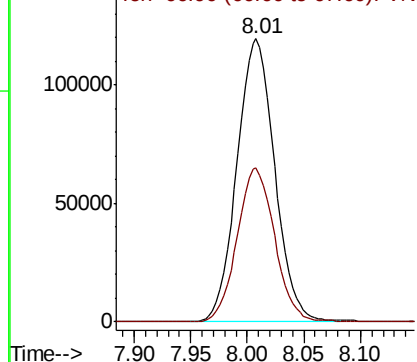
Ion Ratio Lower Upper

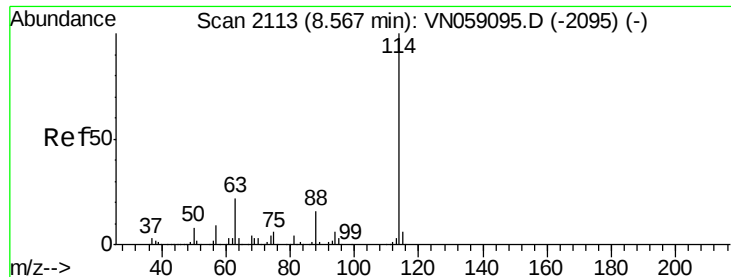
65 100

67 54.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

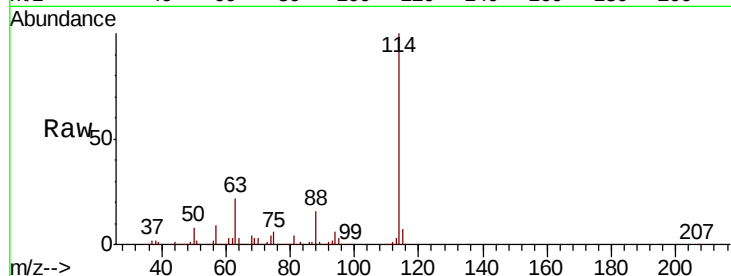




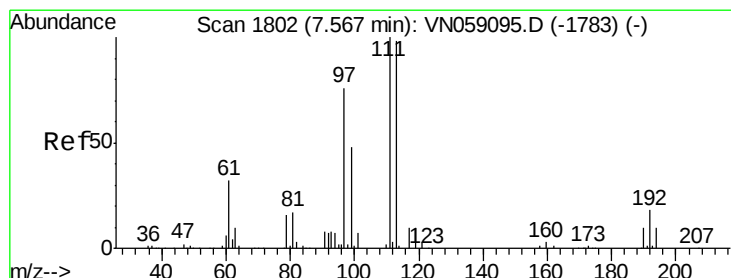
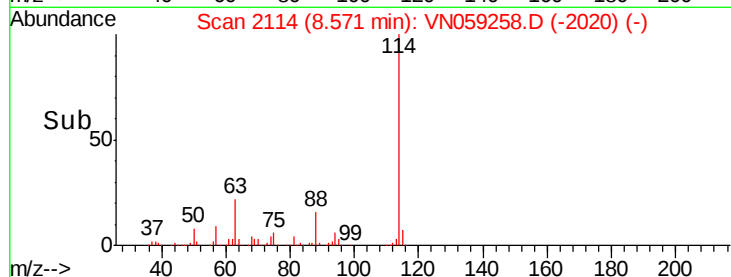
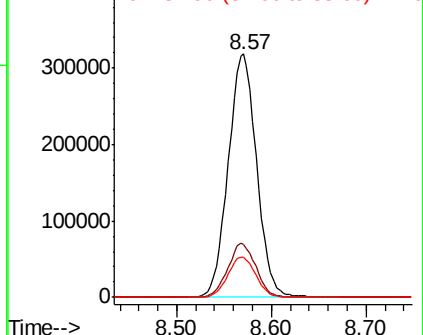
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 663632
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.3 0.0 32.2

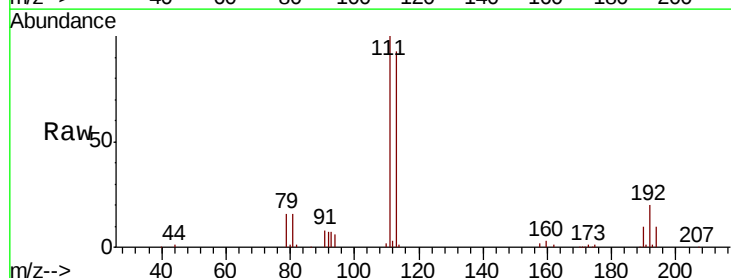


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

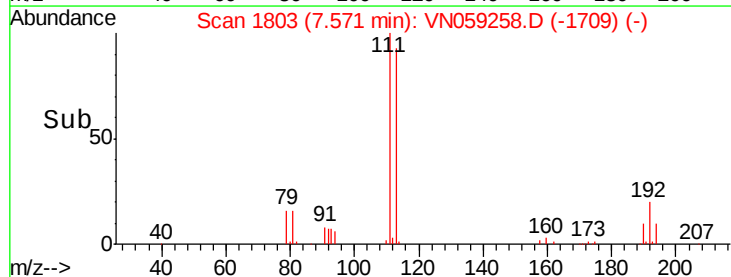
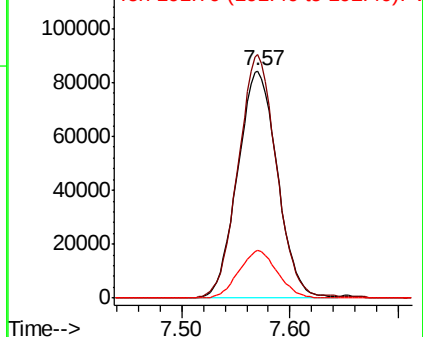


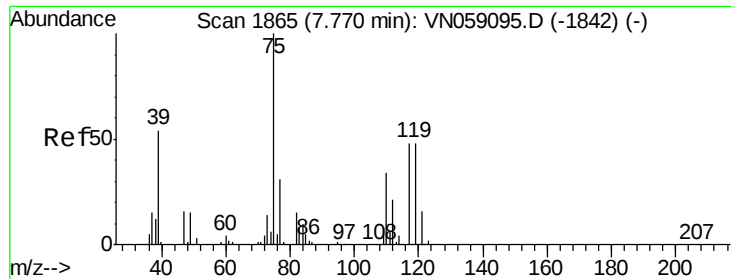
#35
 Dibromofluoromethane
 Concen: 54.434 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

Tgt Ion:113 Resp: 215695
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.8 124.2
 192 20.3 16.1 24.1



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

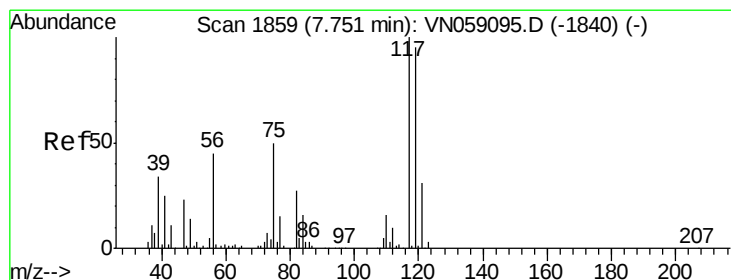
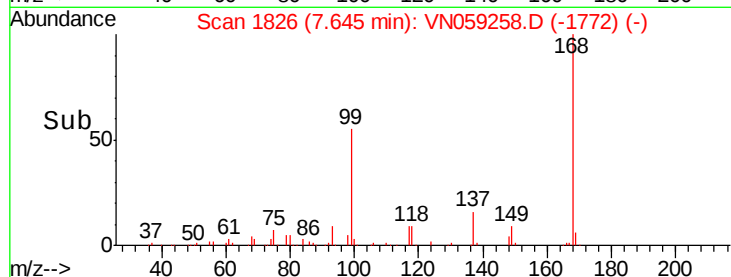
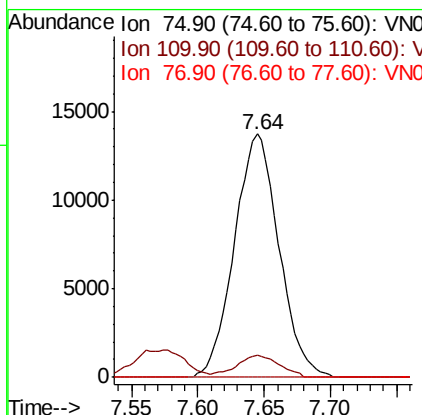
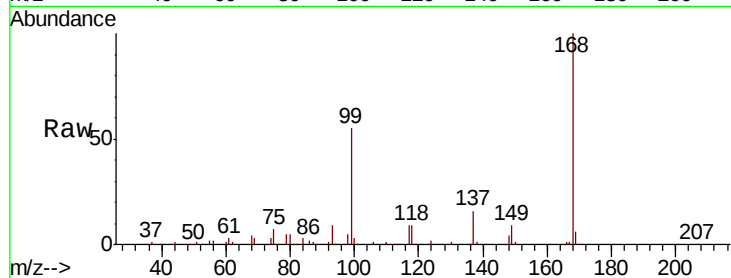




#36
 1,1-Dichloropropene
 Concen: 5.169 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

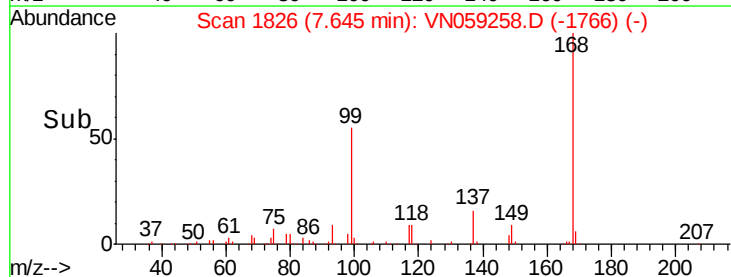
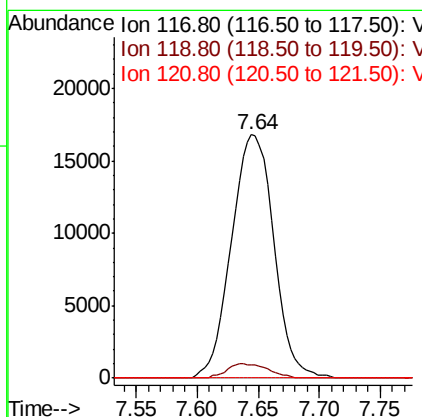
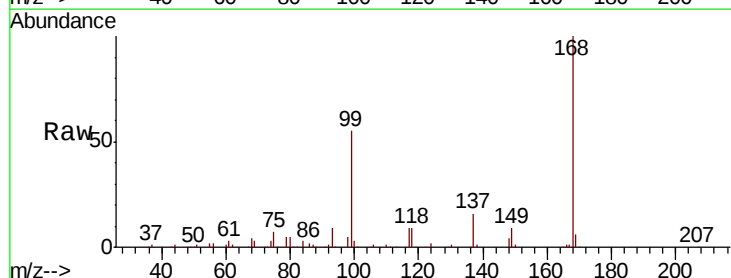
Instrument :
 MSVOA_N
 ClientSampleId :

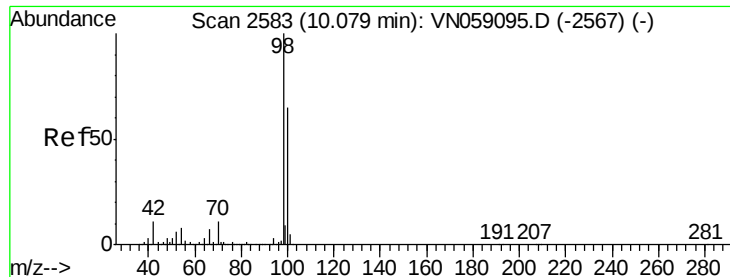
Tot Ion	75	Resp	32061
Ion Ratio	Lower	Upper	
75	100		
110	8.8	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.561 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

Tgt Ion	117	Resp	40508
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.5	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.809 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

Instrument :

MSVOA_N

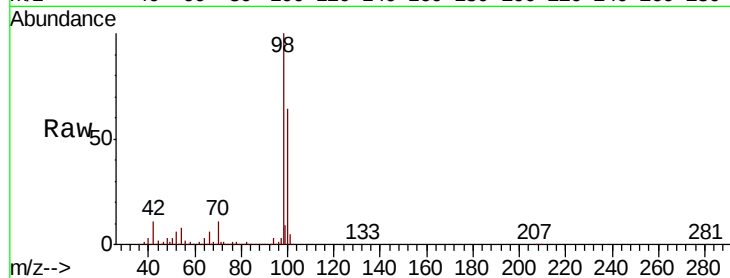
ClientSampled :

Tot Ion: 98 Resp: 839861

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

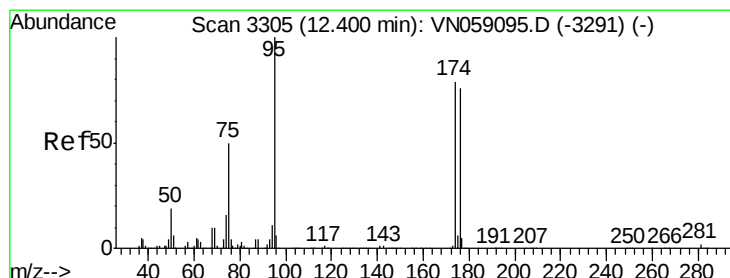
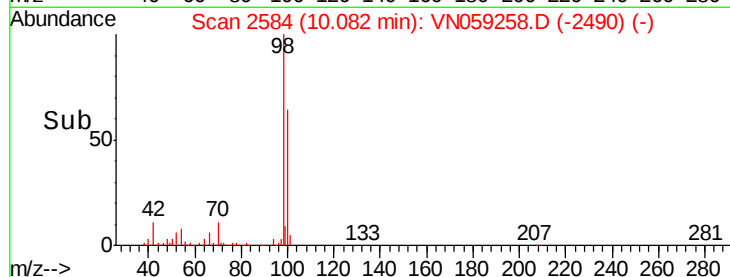
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.343 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

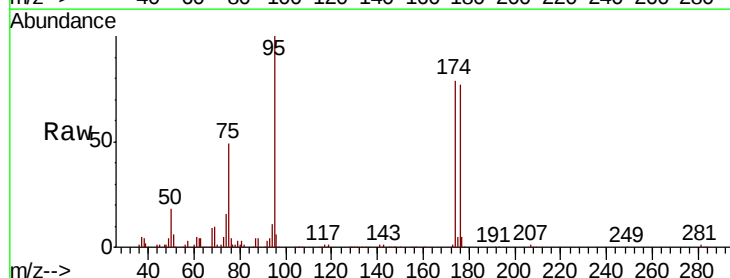
Tgt Ion: 95 Resp: 266431

Ion Ratio Lower Upper

95 100

174 80.2 0.0 158.2

176 77.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

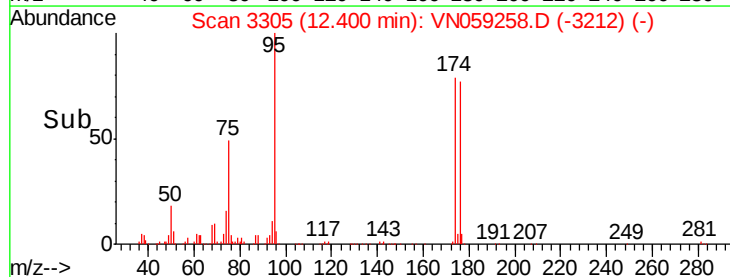
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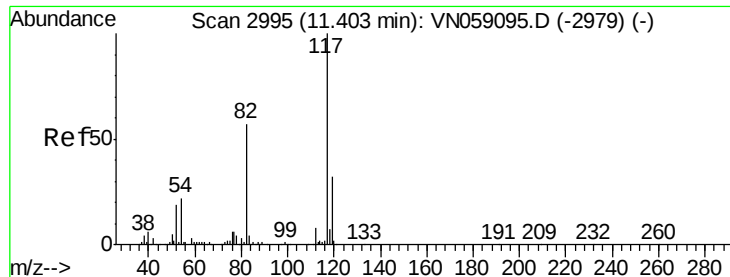
100000

50000

0

Time-->

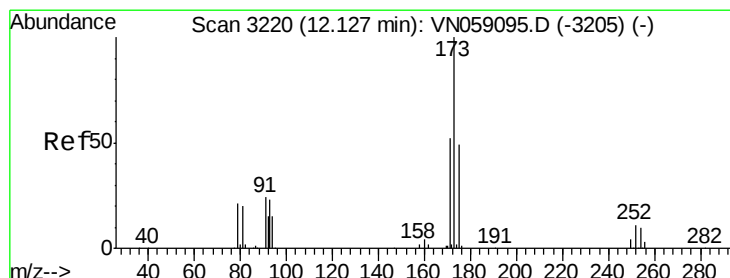
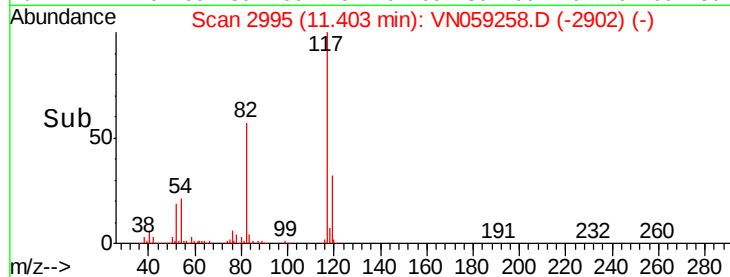
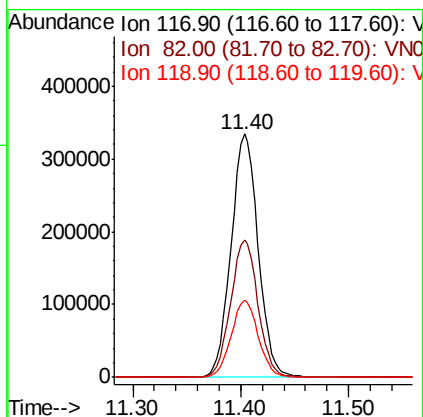
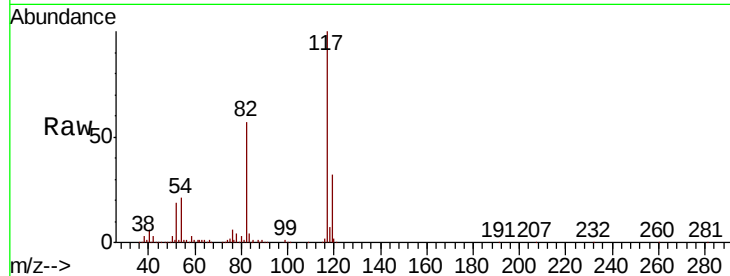




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

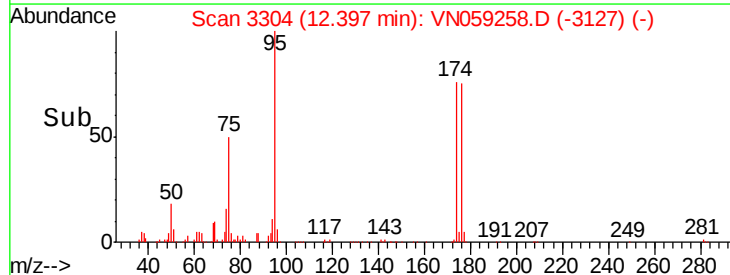
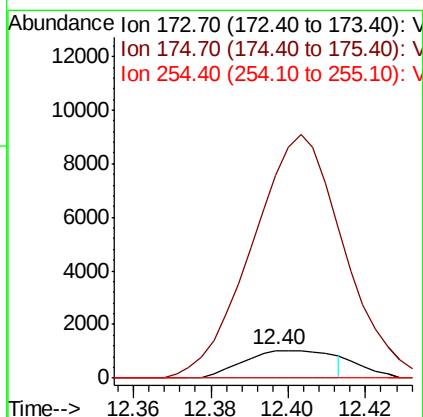
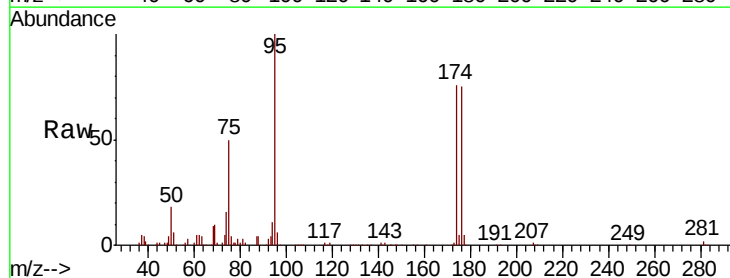
Instrument :
MSVOA_N
ClientSampled :

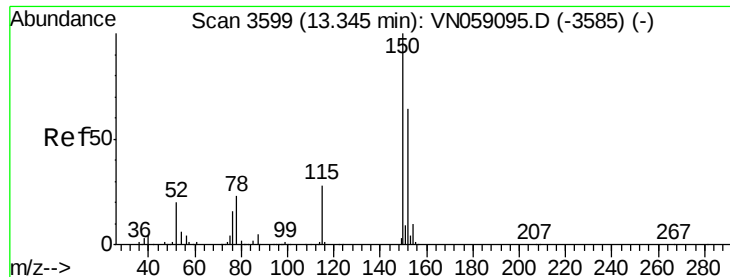
Tot Ion:117 Resp: 586522
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.8
119 31.6 25.8 38.6



#71
Bromoform
Concen: 0.492 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

Tgt Ion:173 Resp: 1643
Ion Ratio Lower Upper
173 100
175 781.6 24.2 72.6#
254 0.0 0.1 0.1#



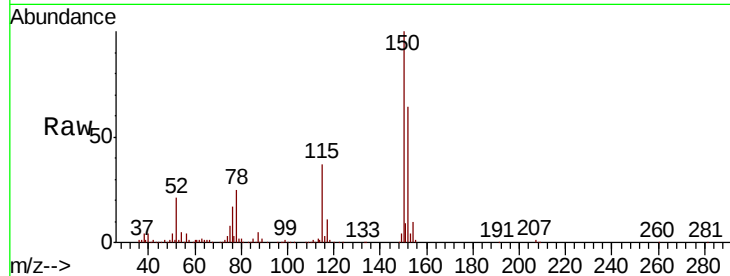


#72

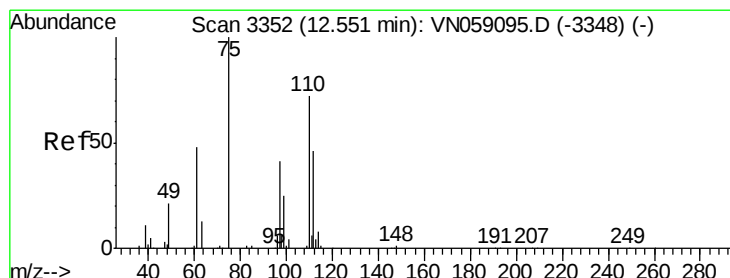
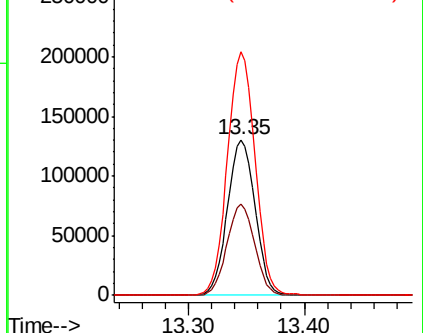
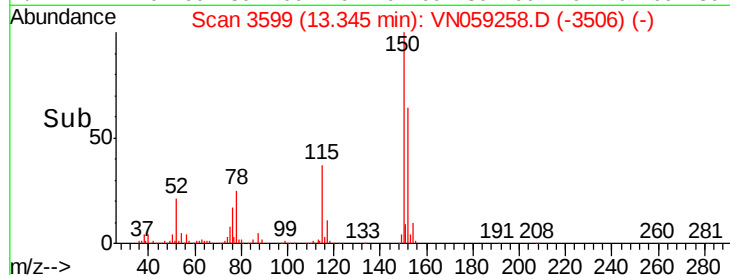
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 216181
Ion Ratio Lower Upper
152 100
115 58.4 29.4 88.2
150 156.6 0.0 345.8



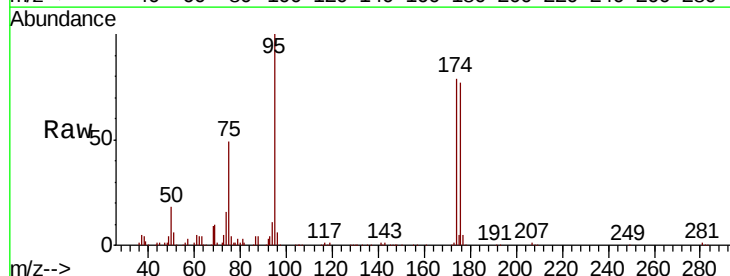
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



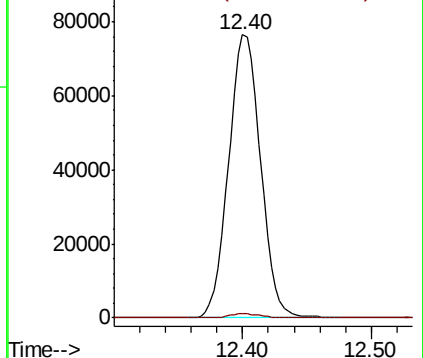
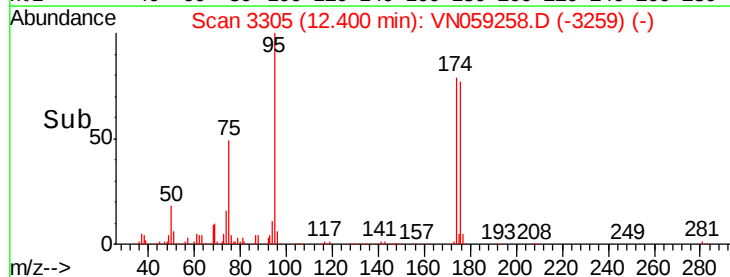
#76

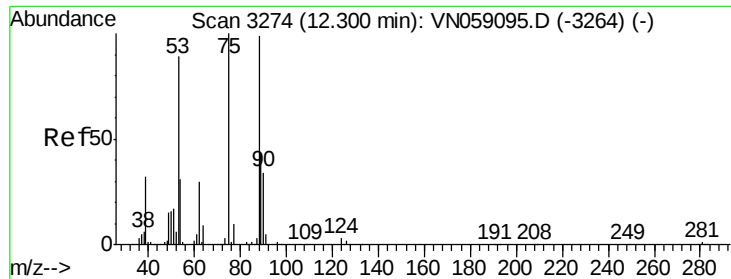
1,2,3-Trichloropropane
Concen: 26.779 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059258.D
Acq: 15 Nov 2019 12:24

Tgt Ion: 75 Resp: 131799
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.731 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

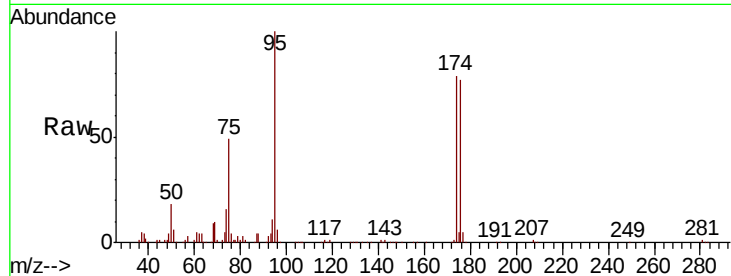
Tot Ion: 75 Resp: 131799

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

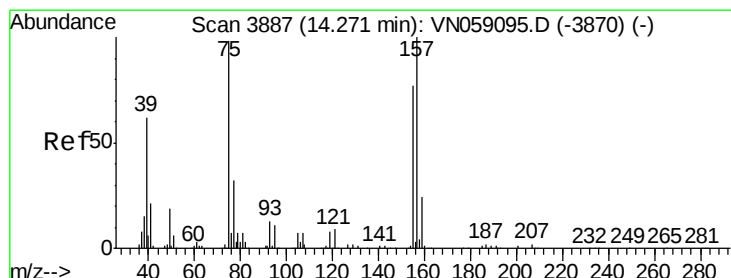
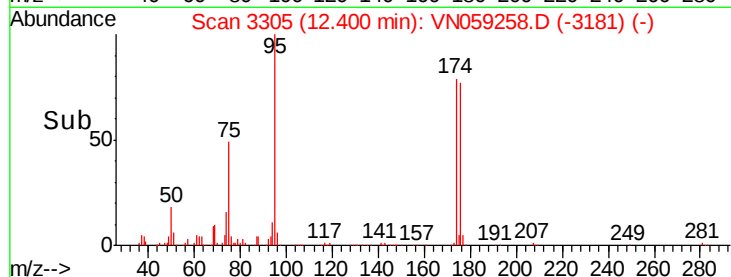
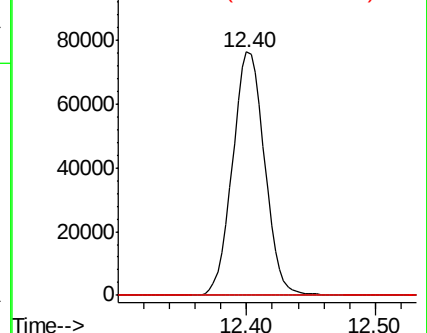
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.256 ug/l

RT: 14.23 min Scan# 3873

Delta R.T. -0.04 min

Lab File: VN059258.D

Acq: 15 Nov 2019 12:24

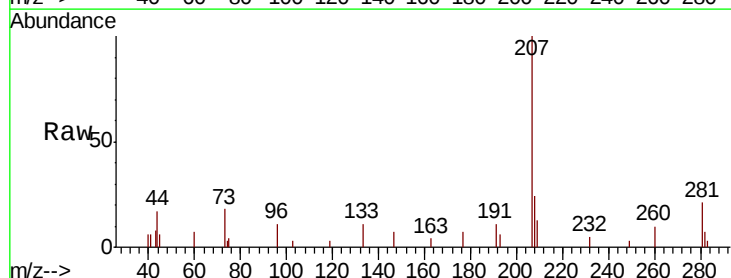
Tgt Ion: 75 Resp: 246

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

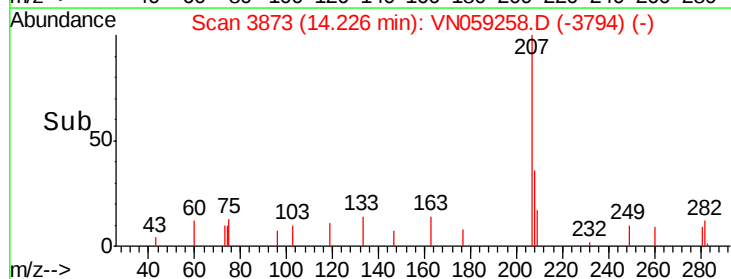
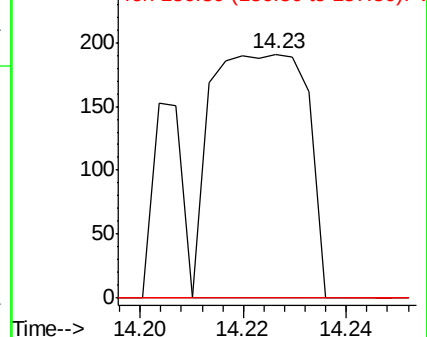
157 0.0 51.8 155.5#

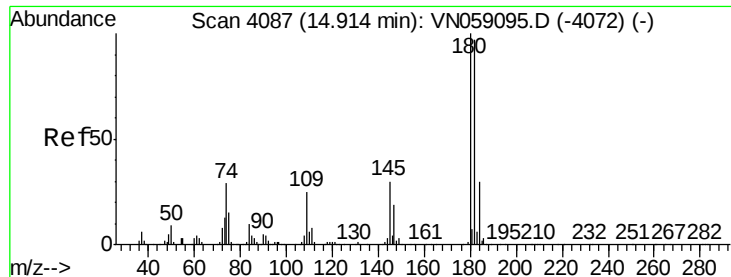


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

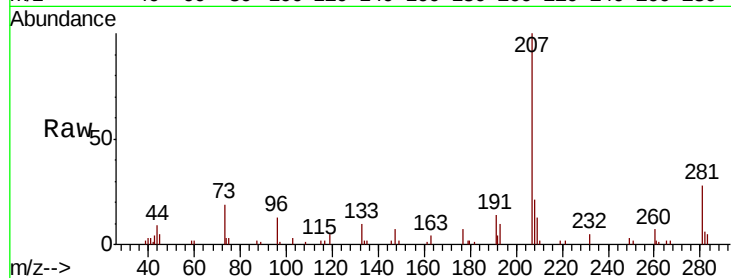




#93
 1,2,4-Trichlorobenzene
 Concen: 3.099 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.7	48.1	144.3
145	0.0	15.1	45.3#

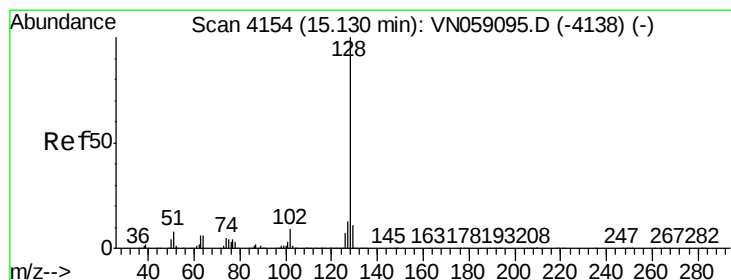
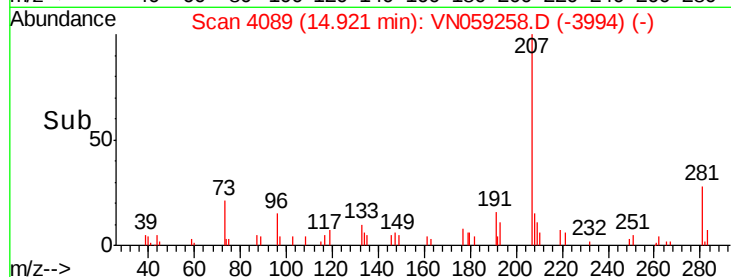
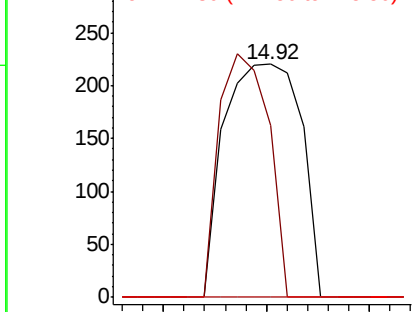


Abundance

Ion 179.80 (179.50 to 180.50): V

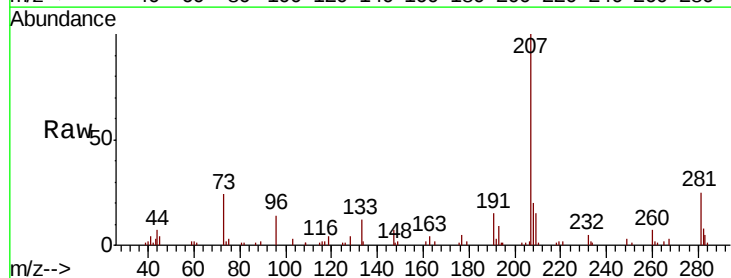
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.122 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059258.D
 Acq: 15 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

