

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056892.D
 Acq On : 23 Jul 2019 22:17
 Operator : JC/SP
 Sample : VN0724WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

Quant Time: Jul 24 03:49:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	312608	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	244776	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	117411	30.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.07%
60) 4-Bromofluorobenzene	12.40	95	80820	22.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.43%
63) Toluene-d8	10.09	98	372063	32.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.27%

Target Compounds

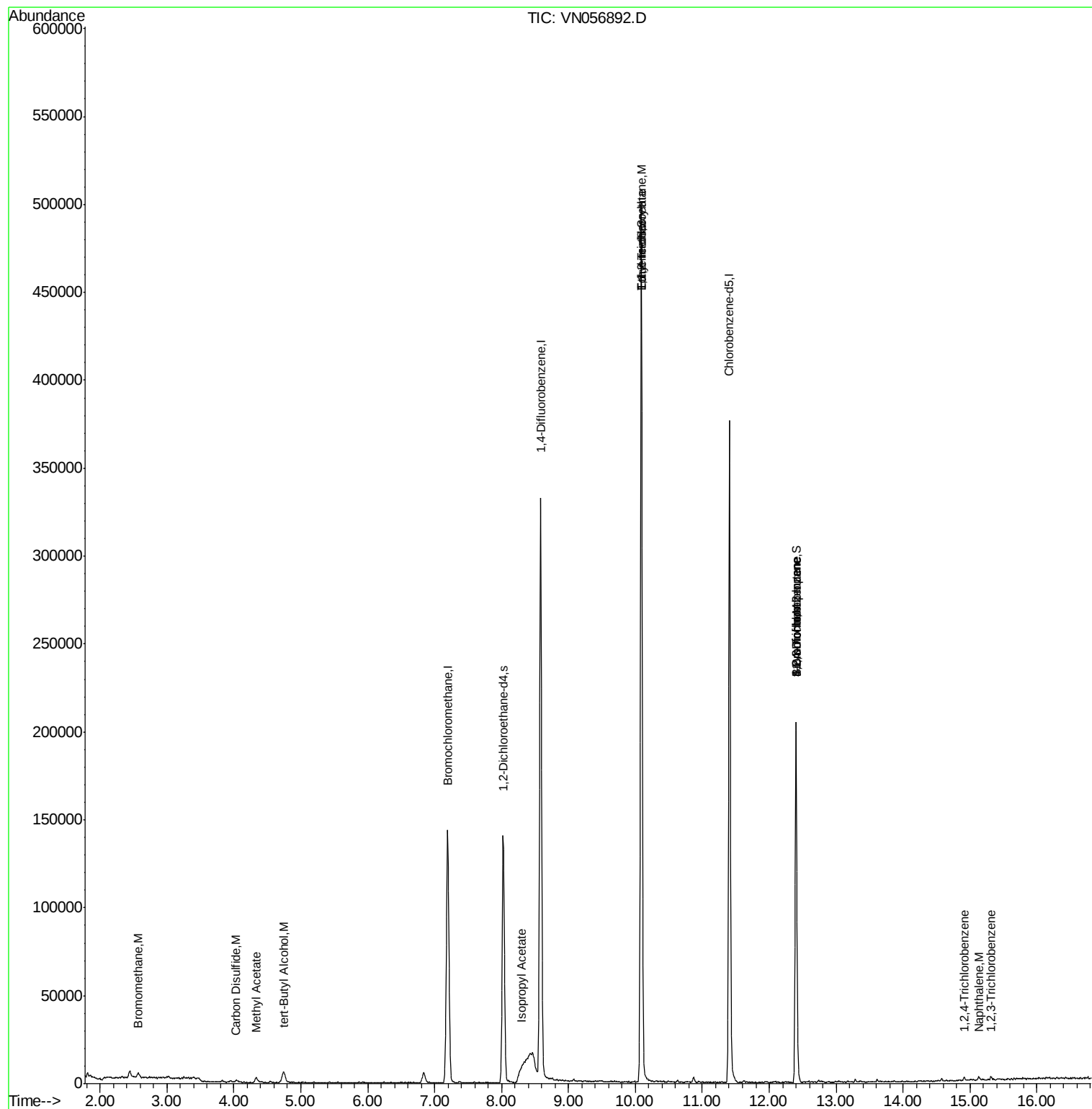
					Ovalue	
5) Bromomethane	2.57	94	2043	0.792	ug/l	93
12) Methyl Acetate	4.33	43	3869	0.991	ug/l	99
16) Carbon Disulfide	4.03	76	1753	0.204	ug/l #	75
23) tert-Butyl Alcohol	4.73	59	3284	6.535	ug/l #	100
44) Isopropyl Acetate	8.28	43	7044	1.157	ug/l #	48
50) 1,1,2-Trichloroethane	10.09	97	11523	3.506	ug/l #	1
51) Ethyl methacrylate	10.10	69	1122	0.236	ug/l #	65
56) Bromoform	12.39	173	638	0.270	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	37487	11.233	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	37487	35.775	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	788	8.215	ug/l #	78
91) Naphthalene	15.13	128	2088	7.907	ug/l #	76
92) 1,2,3-Trichlorobenzene	15.32	180	924	0.320	ug/l	87

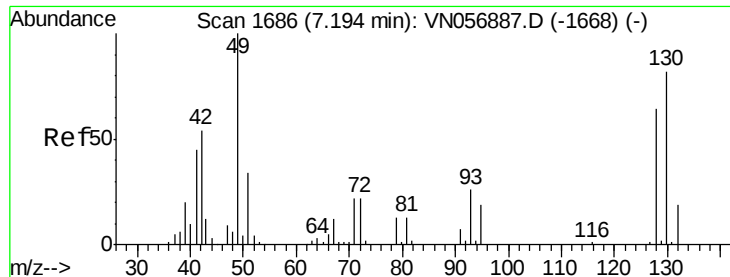
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072419\
Data File : VN056892.D
Acq On : 23 Jul 2019 22:17
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Sample : VN0724WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

Quant Time: Jul 24 03:49:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 03:39:51 2019
Response via : Initial Calibration

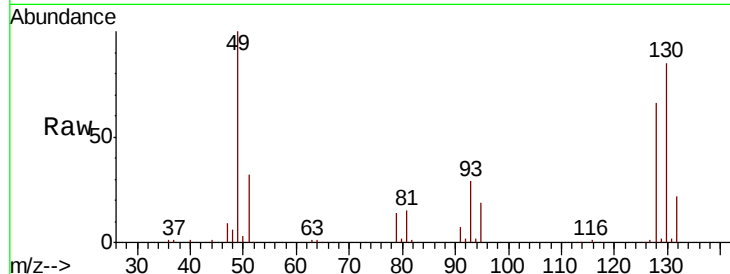




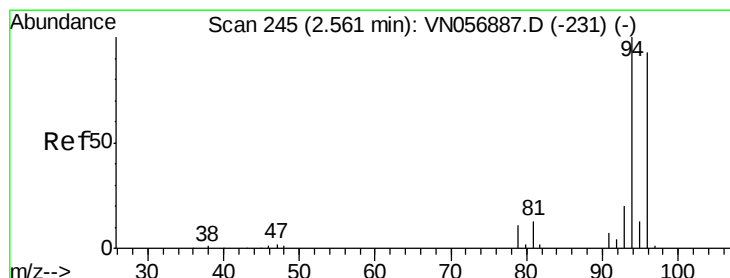
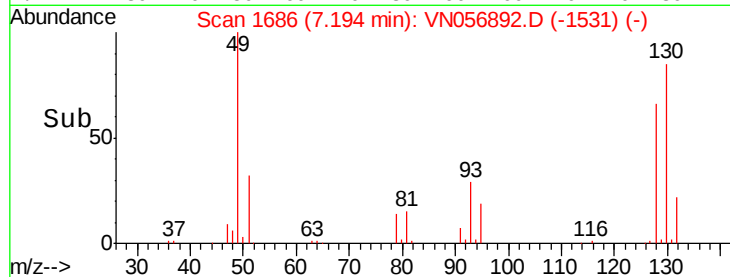
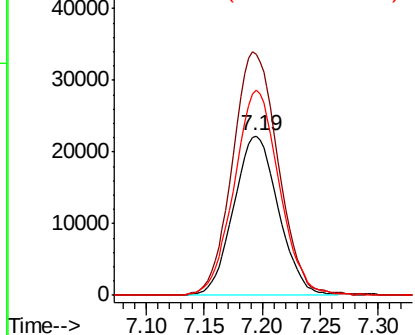
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

Tot Ion:128 Resp: 59762
 Ion Ratio Lower Upper
 128 100
 49 156.1 0.0 385.8
 130 130.0 0.0 322.5

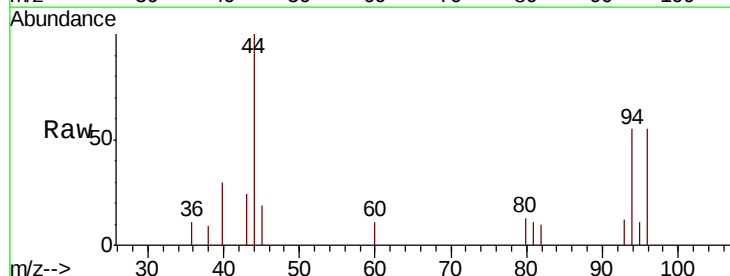


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

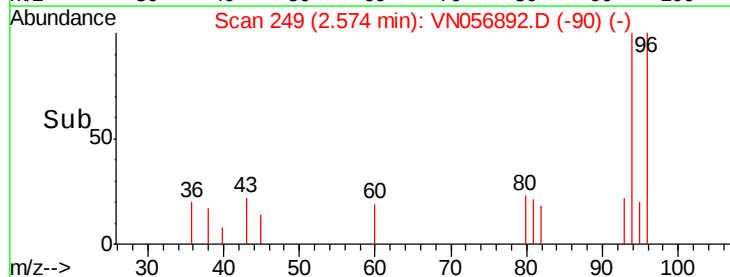
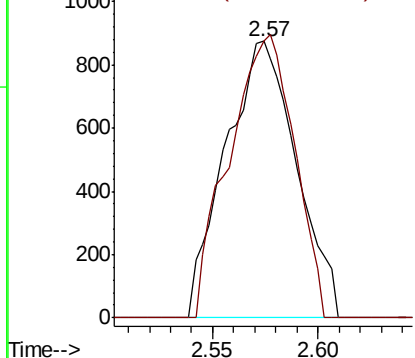


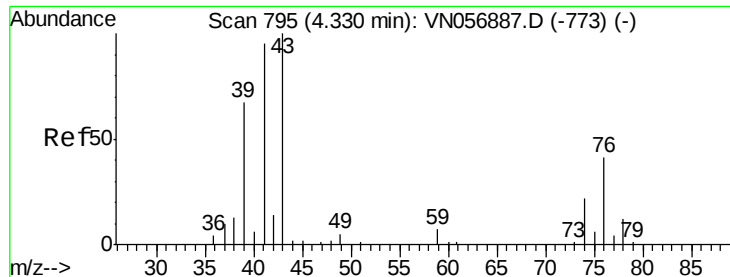
#5
 Bromomethane
 Concen: 0.792 ug/l
 RT: 2.57 min Scan# 249
 Delta R.T. 0.01 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Tgt Ion: 94 Resp: 2043
 Ion Ratio Lower Upper
 94 100
 96 100.2 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN
 Ion 96.00 (95.70 to 96.70): VN

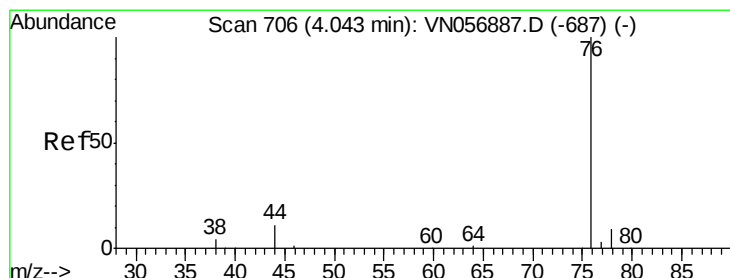
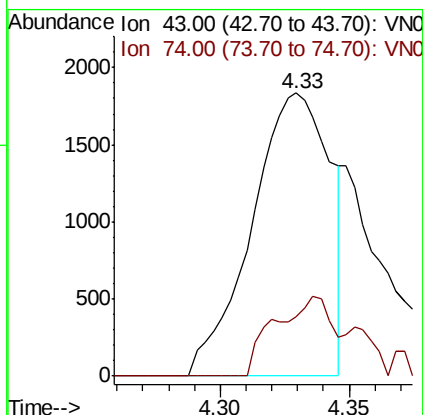
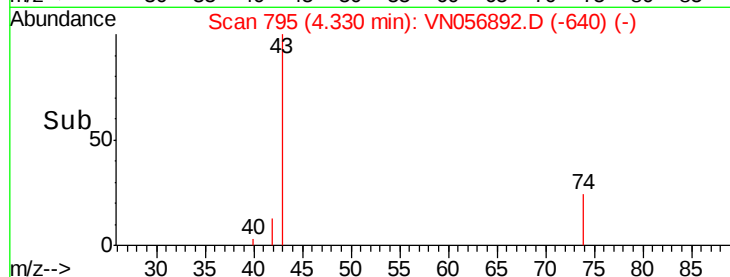
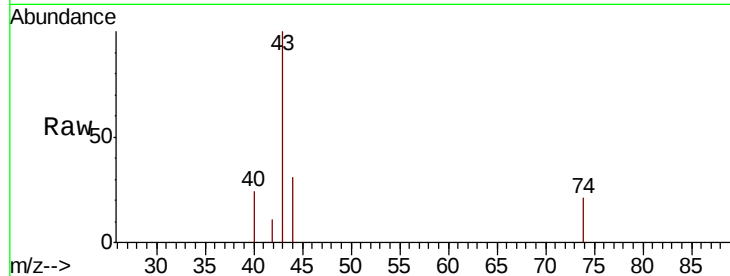




#12
Methyl Acetate
Concen: 0.991 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN056892.D
Acq: 23 Jul 2019 22:17

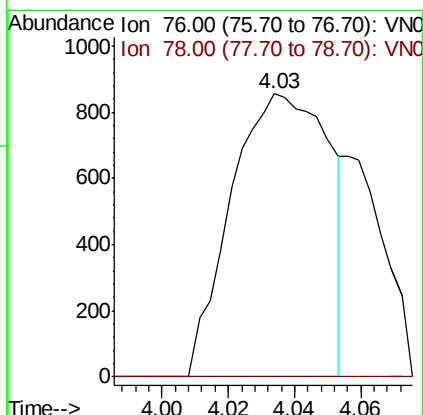
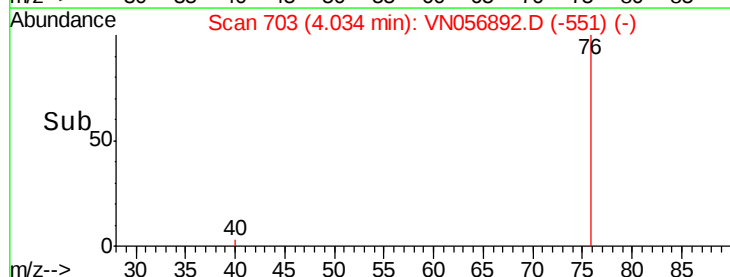
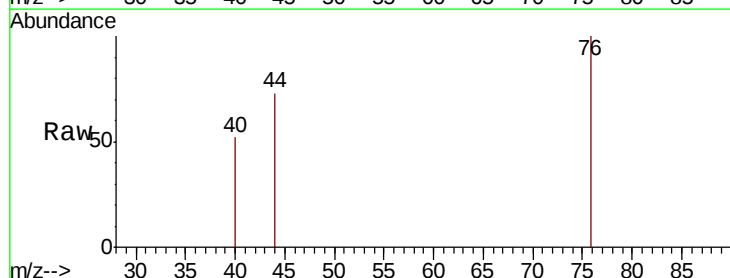
Instrument :
MSVOA_N
ClientSampled :
VN0724WBL01

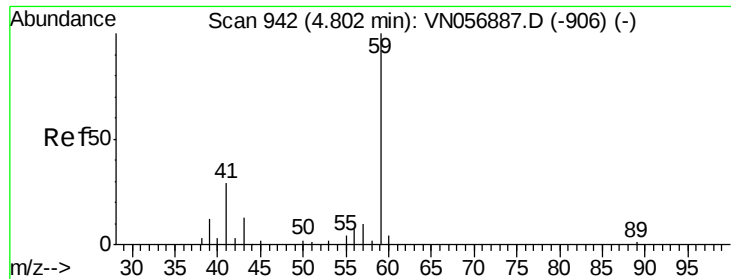
Tot Ion: 43 Resp: 3869
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1



#16
Carbon Disulfide
Concen: 0.204 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056892.D
Acq: 23 Jul 2019 22:17

Tgt Ion: 76 Resp: 1753
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

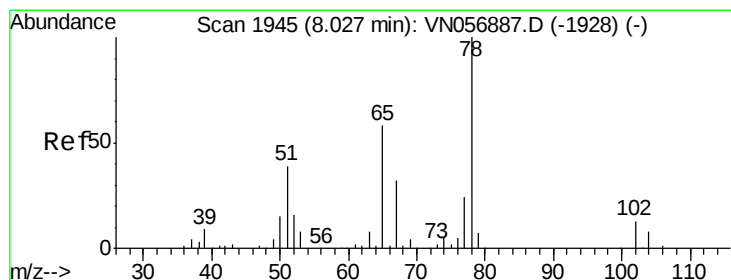
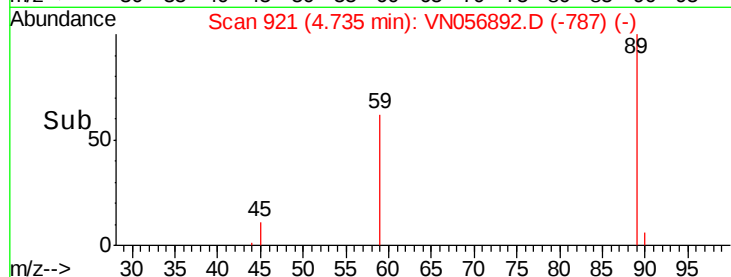
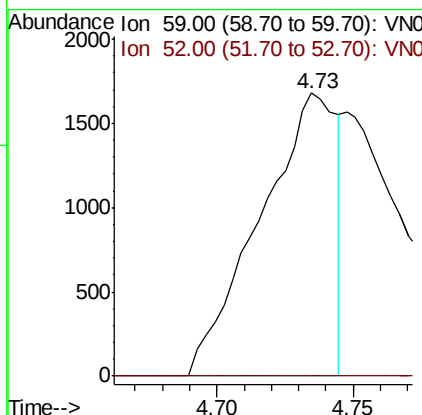
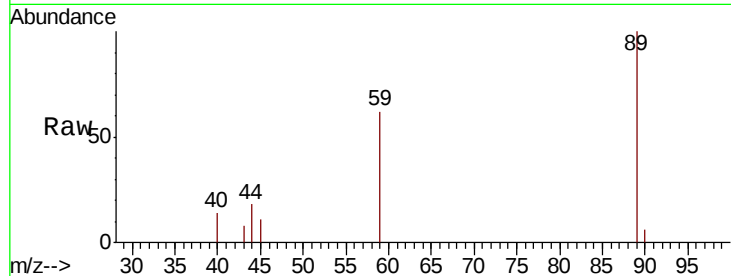




#23
 tert-Butyl Alcohol
 Concen: 6.535 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.07 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

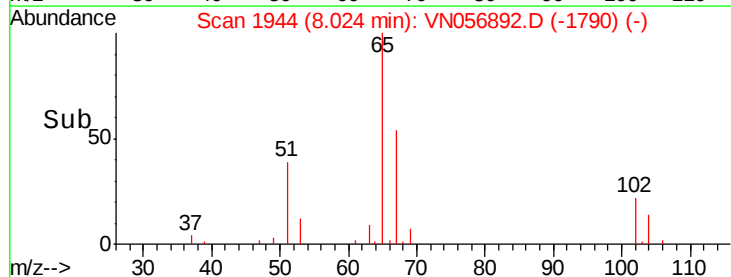
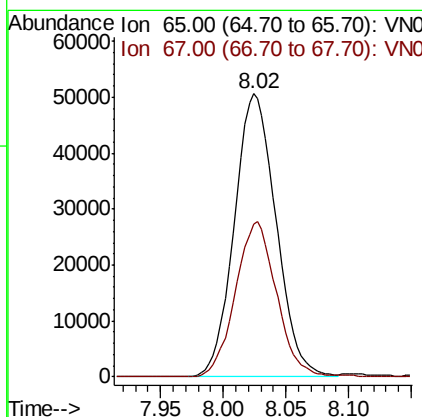
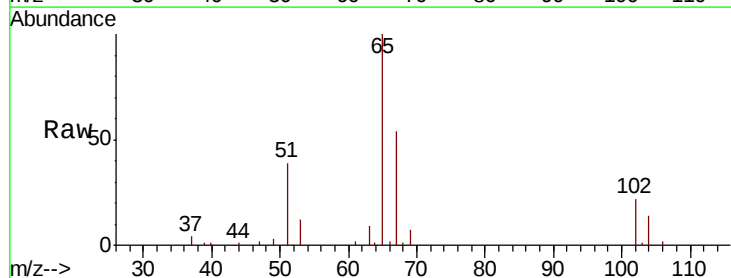
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

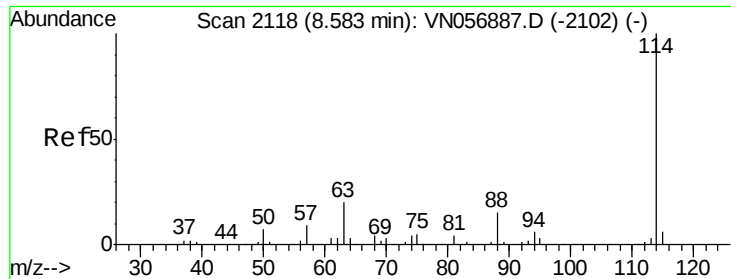
Tot Ion: 59 Resp: 3284
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 30.020 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Tgt Ion: 65 Resp: 117411
 Ion Ratio Lower Upper
 65 100
 67 53.7 44.6 66.8

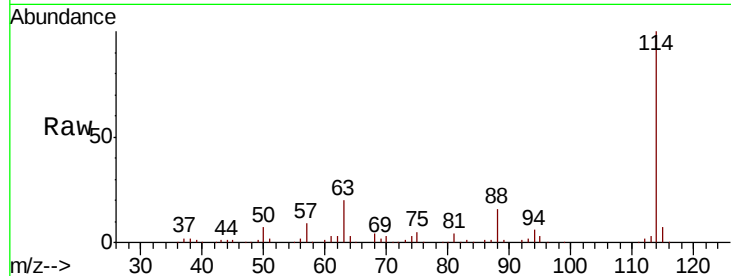




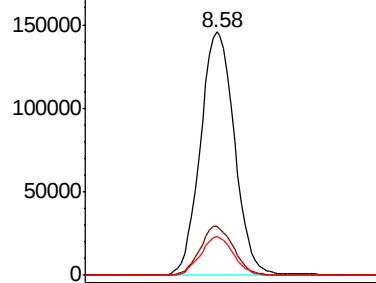
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

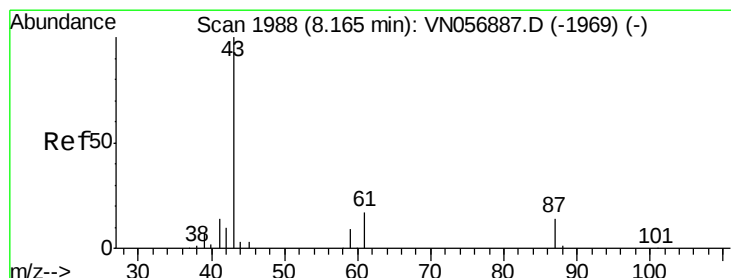
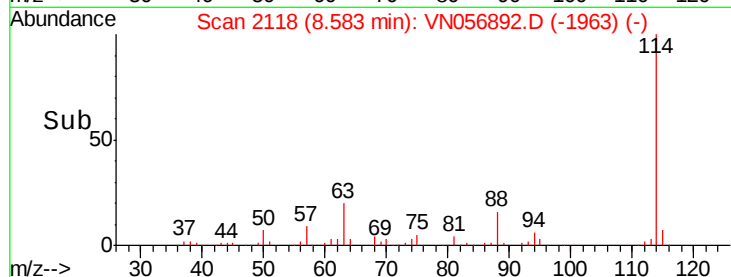
Tot Ion:114 Resp: 312608
 Ion Ratio Lower Upper
 114 100
 63 19.8 15.8 23.6
 88 15.3 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

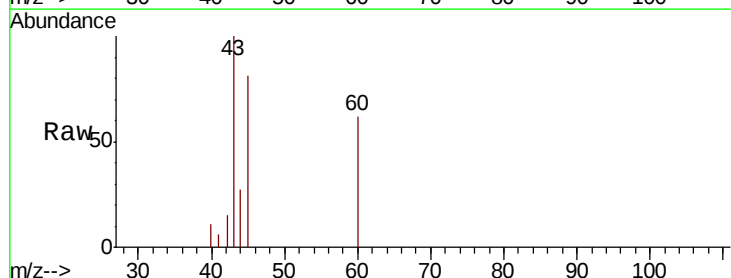


Time-->

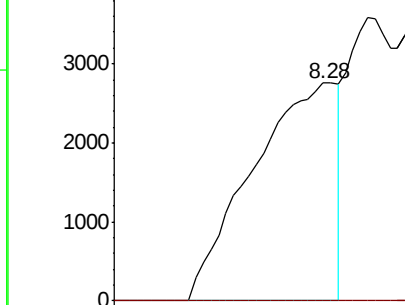


#44
 Isopropyl Acetate
 Concen: 1.157 ug/l
 RT: 8.28 min Scan# 2025
 Delta R.T. 0.12 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

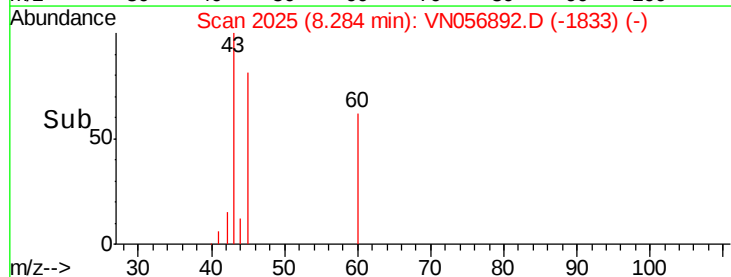
Tgt Ion: 43 Resp: 7044
 Ion Ratio Lower Upper
 43 100
 61 0.9 23.0 34.4#

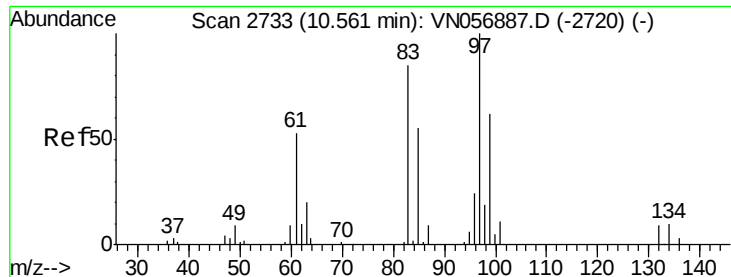


Abundance Ion 43.00 (42.70 to 43.70): VN056887.D (-1969) (-)
 Ion 61.00 (60.70 to 61.70): VN056887.D (-1969) (-)



Time-->

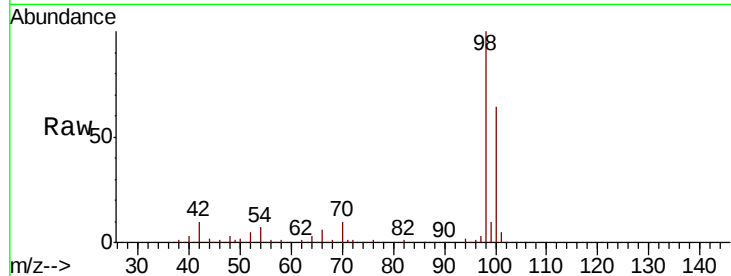




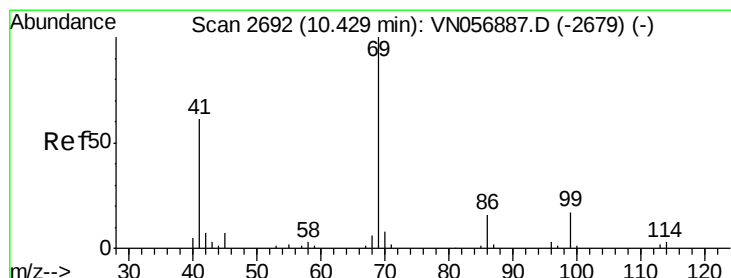
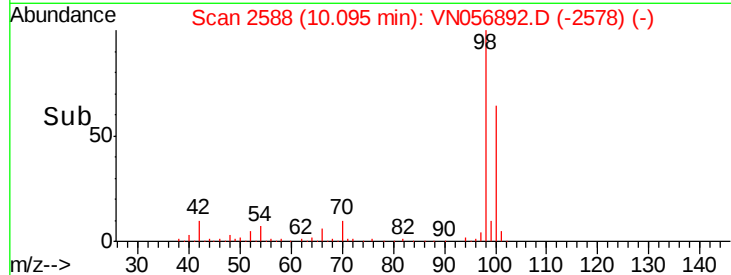
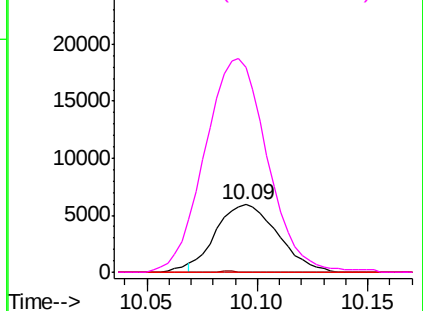
#50
 1,1,2-Trichloroethane
 Concen: 3.506 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.47 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

Tot Ion: 97 Resp: 11523
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.4 102.6#
 85 0.0 44.3 66.5#
 99 297.2 49.4 74.2#

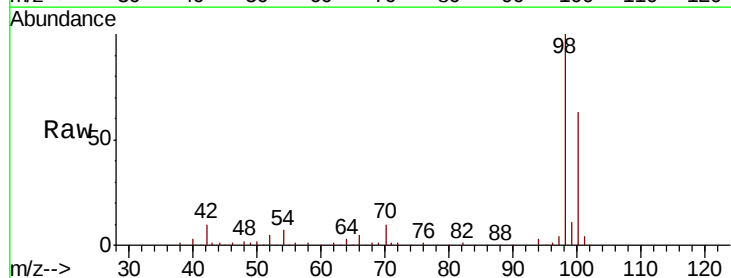


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

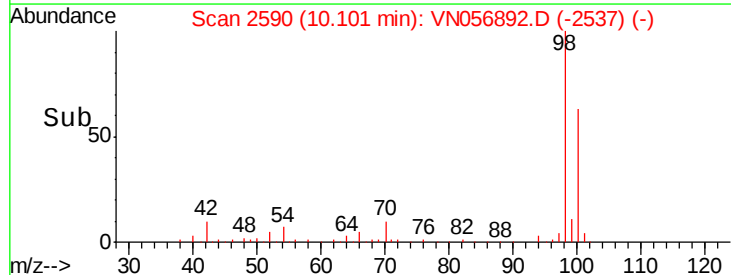
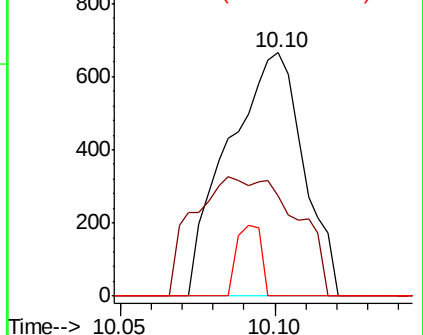


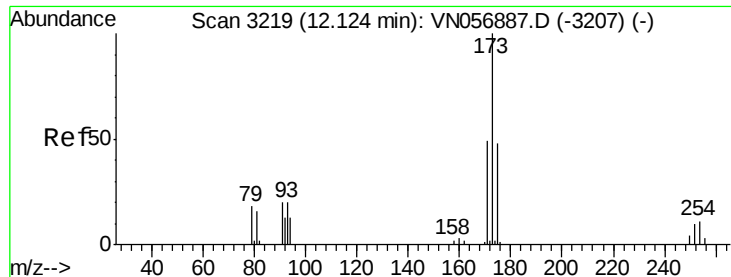
#51
 Ethyl methacrylate
 Concen: 0.236 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.33 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Tgt Ion: 69 Resp: 1122
 Ion Ratio Lower Upper
 69 100
 41 41.3 30.4 91.3
 39 0.0 14.2 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

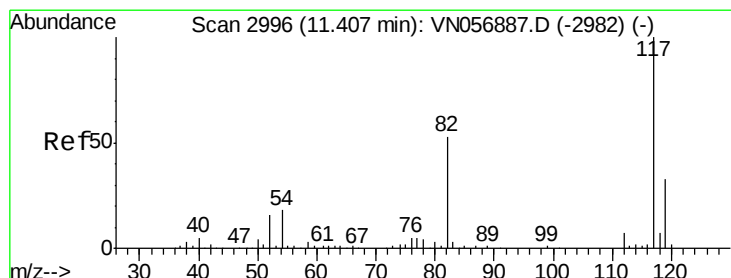
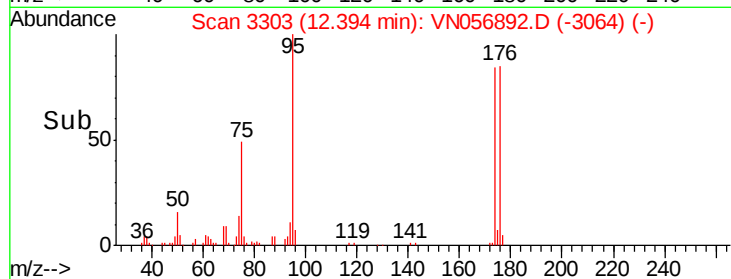
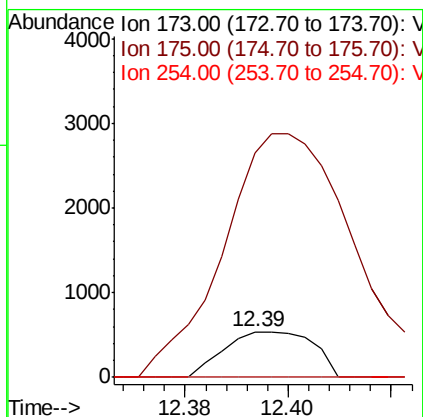
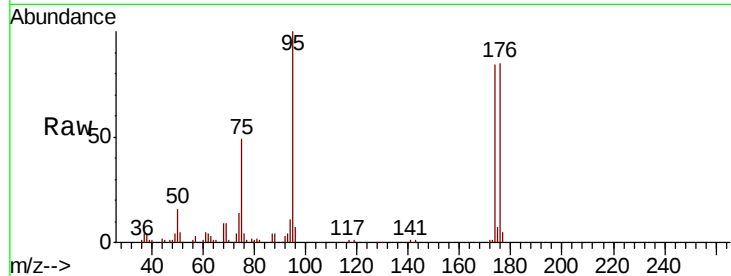




#56
Bromoform
Concen: 0.270 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN056892.D
Acq: 23 Jul 2019 22:17

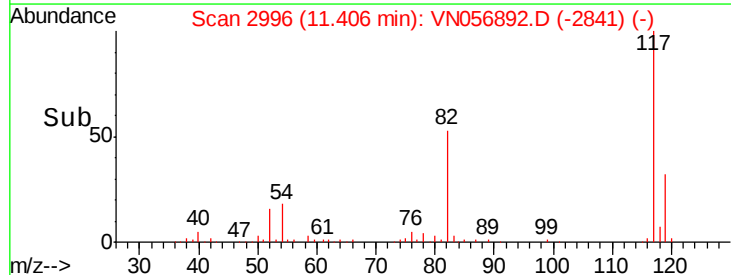
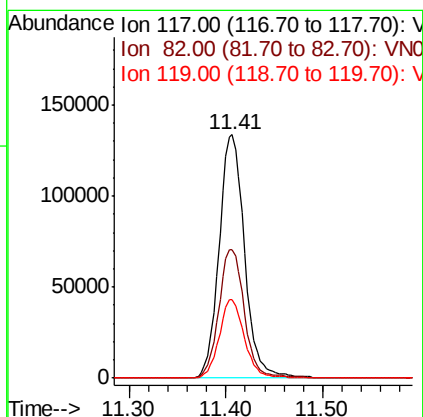
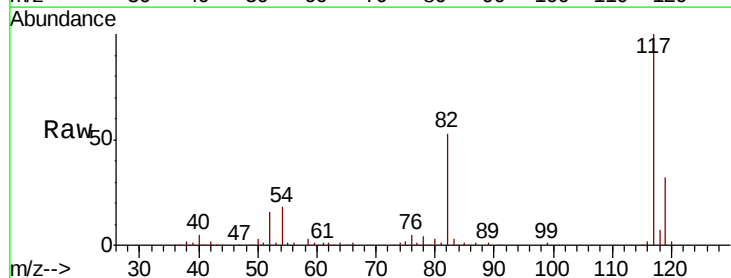
Instrument :
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VN0724WBL01

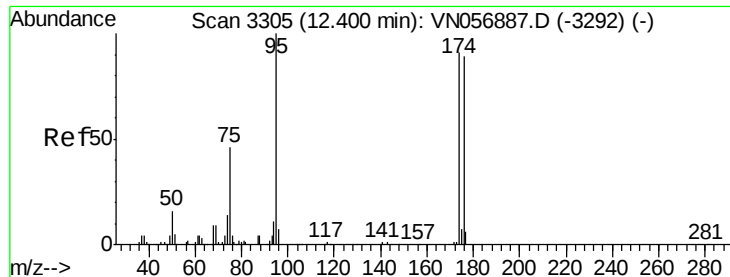
Tot Ion:173 Resp: 638
Ion Ratio Lower Upper
173 100
175 793.4 38.8 58.2#
254 0.0 8.1 12.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056892.D
Acq: 23 Jul 2019 22:17

Tgt Ion:117 Resp: 244776
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.1 26.2 39.2





#60

4-Bromofluorobenzene

Concen: 22.030 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056892.D

Acq: 23 Jul 2019 22:17

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBL01

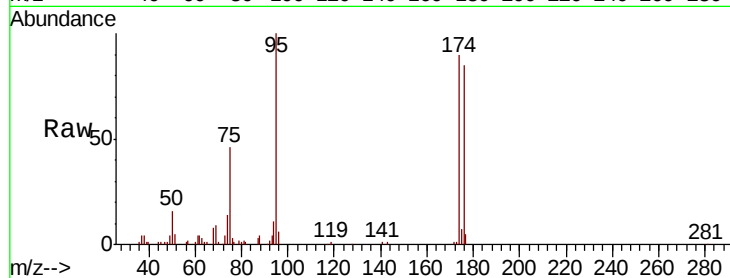
Tot Ion: 95 Resp: 80820

Ion Ratio Lower Upper

95 100

174 89.9 71.9 107.9

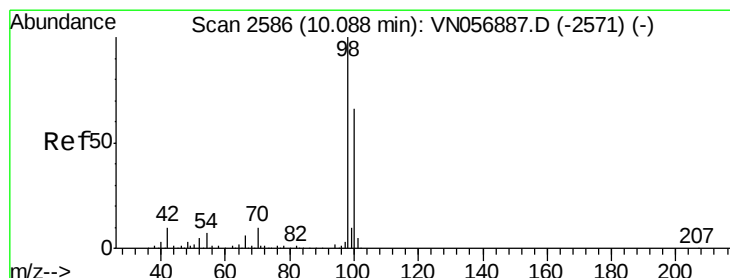
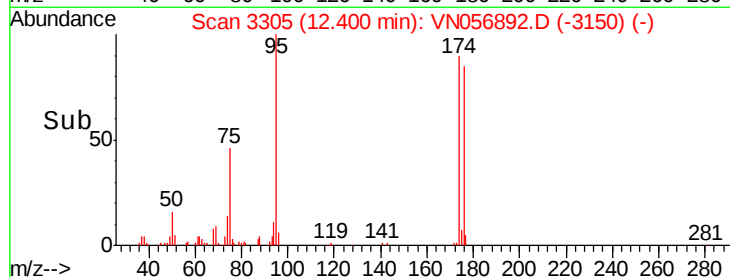
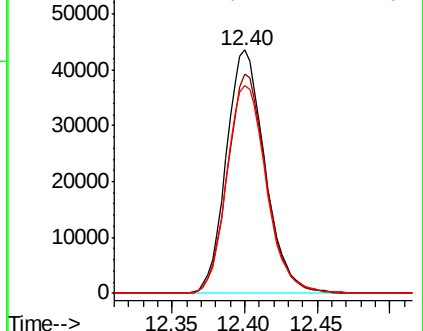
176 87.6 69.8 104.8



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN

Ion 176.00 (175.70 to 176.70): VN



#63

Toluene-d8

Concen: 32.178 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056892.D

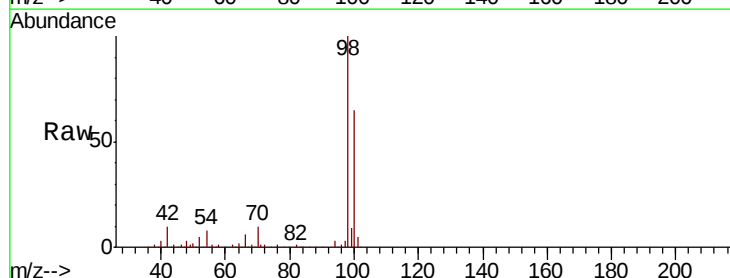
Acq: 23 Jul 2019 22:17

Tgt Ion: 98 Resp: 372063

Ion Ratio Lower Upper

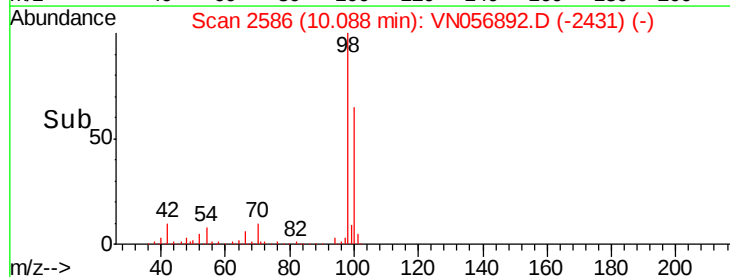
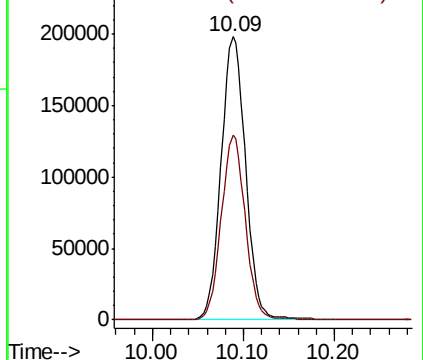
98 100

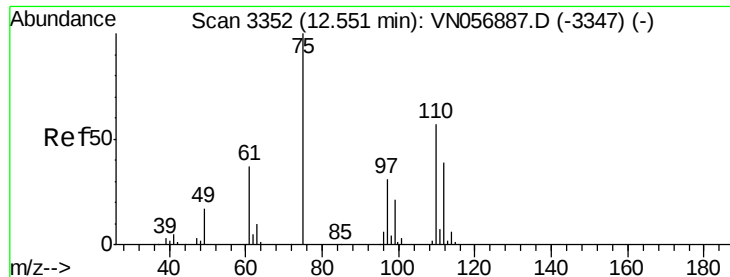
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#72

1,2,3-Trichloropropane

Concen: 11.233 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN056892.D

Acq: 23 Jul 2019 22:17

Instrument :

MSVOA_N

ClientSampled :

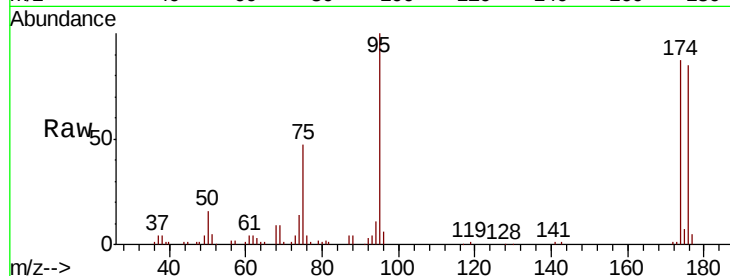
VN0724WBL01

Tot Ion: 75 Resp: 37487

Ion Ratio Lower Upper

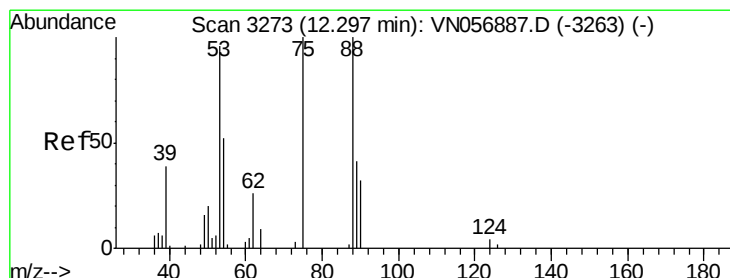
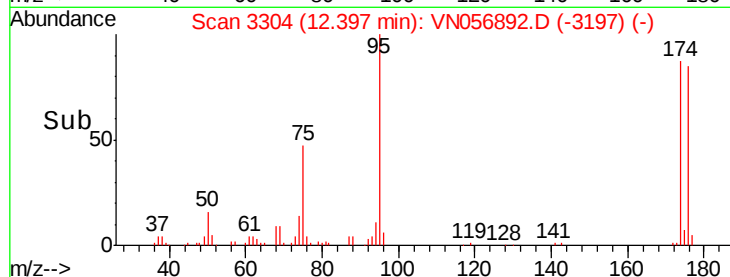
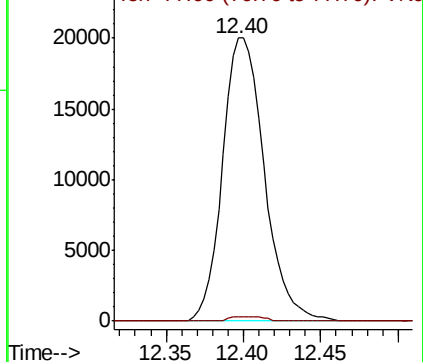
75 100

77 1.2 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 35.775 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056892.D

Acq: 23 Jul 2019 22:17

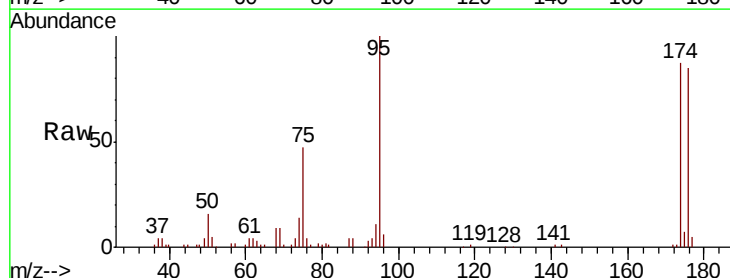
Tgt Ion: 75 Resp: 37487

Ion Ratio Lower Upper

75 100

53 0.0 48.0 144.0#

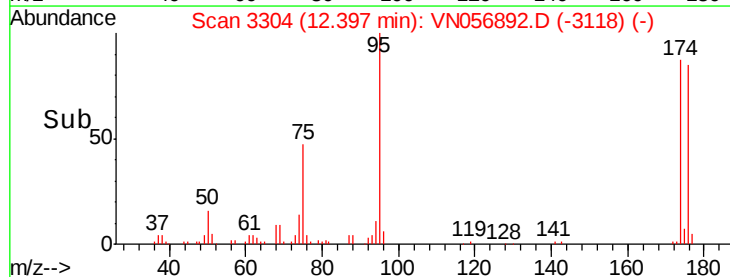
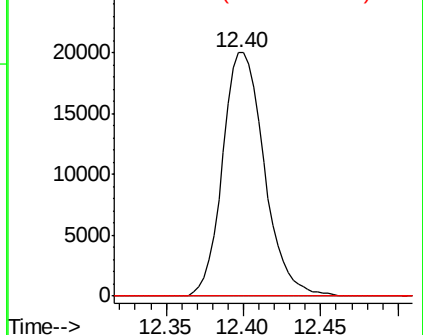
89 0.0 21.4 64.3#

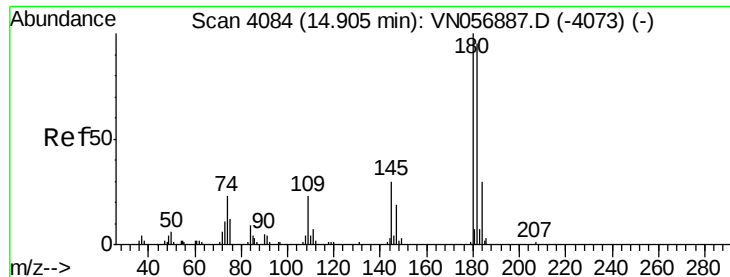


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#89

1,2,4-Trichlorobenzene

Concen: 8.215 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056892.D

Acq: 23 Jul 2019 22:17

Instrument :

MSVOA_N

ClientSampled :

VN0724WBL01

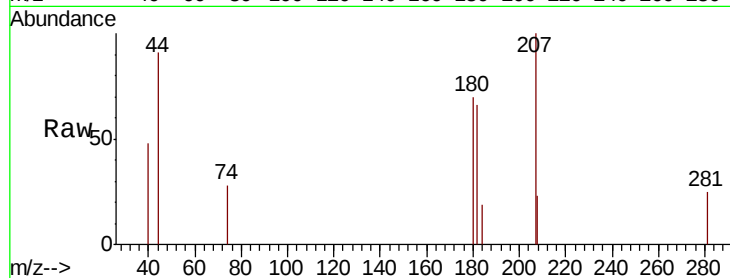
Tot Ion:180 Resp: 788

Ion Ratio Lower Upper

180 100

182 112.9 77.0 115.4

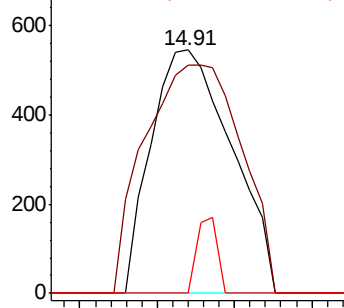
145 8.1 23.5 35.3#



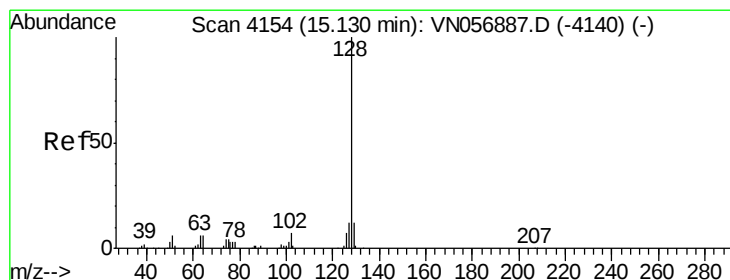
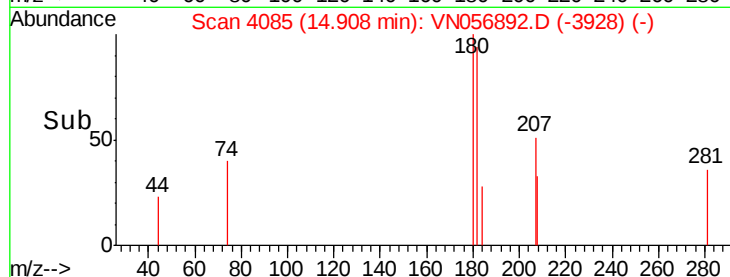
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#91

Naphthalene

Concen: 7.907 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056892.D

Acq: 23 Jul 2019 22:17

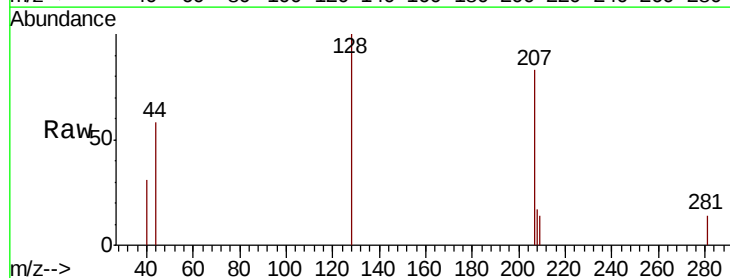
Tgt Ion:128 Resp: 2088

Ion Ratio Lower Upper

128 100

127 4.6 10.0 15.0#

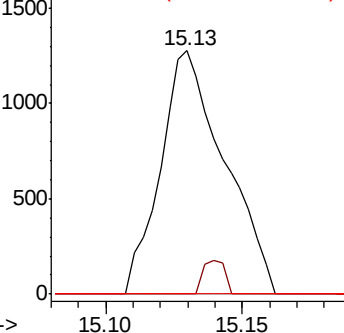
129 0.0 8.9 13.3#



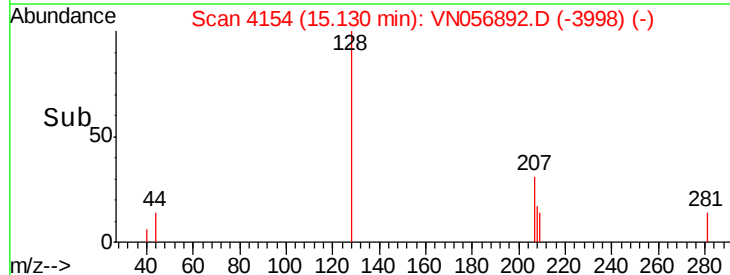
Abundance Ion 128.00 (127.70 to 128.70): V

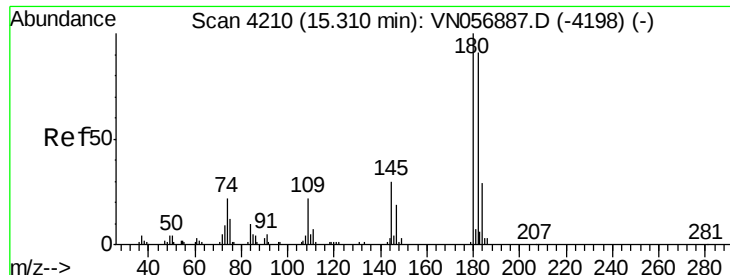
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#92
 1,2,3-Trichlorobenzene
 Concen: 0.320 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN056892.D
 Acq: 23 Jul 2019 22:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.0	0.0	188.0	
145	3.1	0.0	61.0	

