

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059192.D
 Acq On : 12 Nov 2019 15:51
 Operator : JC/SP
 Sample : K5799-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:40:54 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	443961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	607093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	290795	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	7.57	113	224499	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
50) Toluene-d8	10.08	98	857927	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.40	95	278835	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

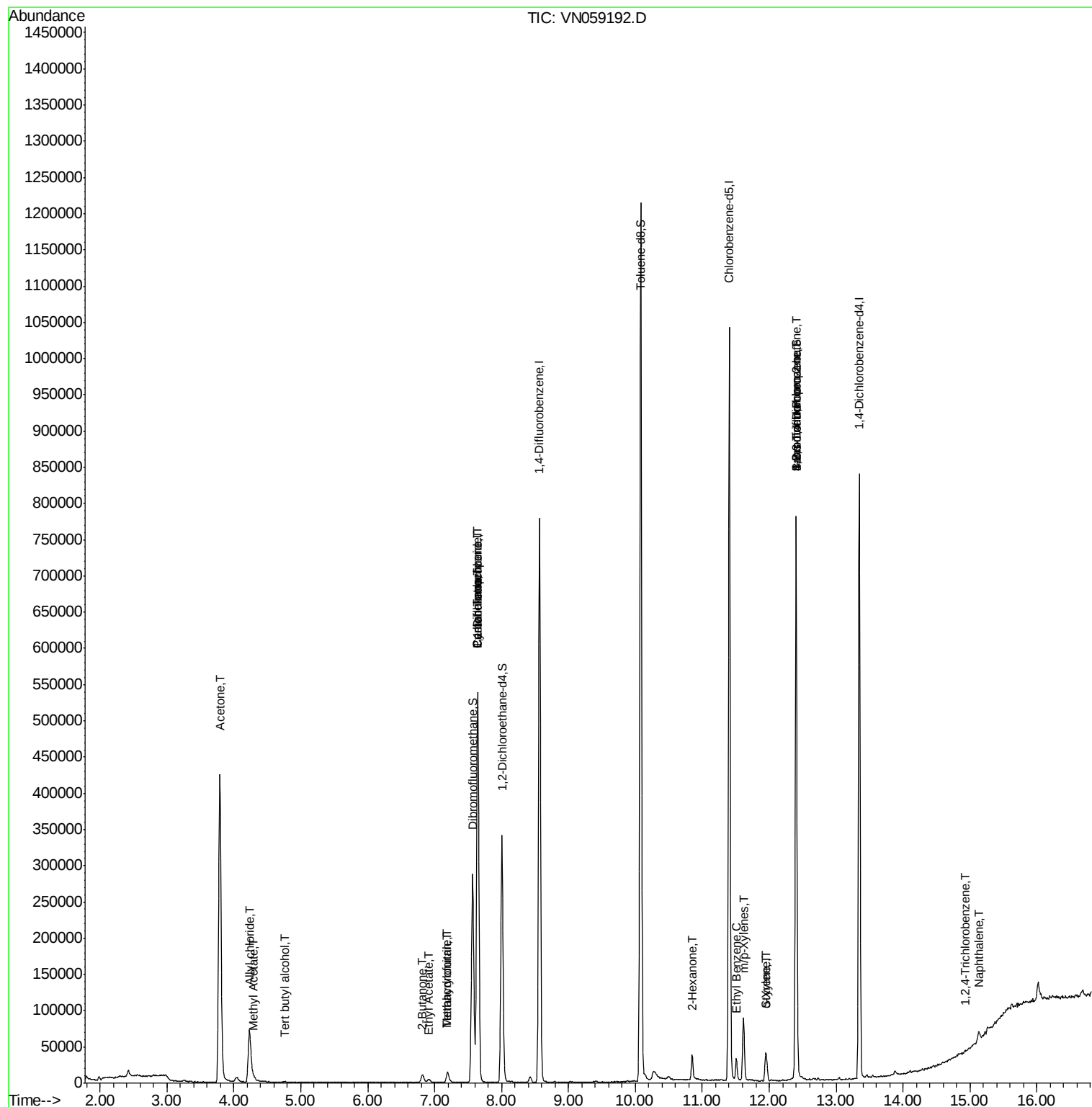
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	259	0.249	ug/l #	72
14) Allyl chloride	4.23	41	120817	14.202	ug/l #	44
16) Acetone	3.79	43	699161	246.360	ug/l	99
18) Methyl Acetate	4.30	43	4699	0.698	ug/l #	90
25) 2-Butanone	6.82	43	19778	5.288	ug/l	97
29) Tetrahydrofuran	7.19	42	12543	5.278	ug/l	93
31) Cyclohexane	7.64	56	9020	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34442	5.348	ug/l #	50
37) Ethyl Acetate	6.91	43	6468	0.903	ug/l #	74
38) Carbon Tetrachloride	7.64	117	42457	6.624	ug/l #	17
41) Methacrylonitrile	7.19	41	7465	2.396	ug/l #	100
59) 2-Hexanone	10.85	43	23853	4.809	ug/l #	26
67) Ethyl Benzene	11.51	91	22061	1.051	ug/l	99
68) m/p-Xylenes	11.62	106	26026	3.309	ug/l	93
69) o-Xylene	11.95	106	8996	1.184	ug/l	99
70) Styrene	11.96	104	10389	0.869	ug/l	93
71) Bromoform	12.40	173	1718	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	140438	27.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140438	72.074	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	224	3.096	ug/l #	32
95) Naphthalene	15.13	128	8589	3.733	ug/l #	96

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

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QLast Update : Thu Nov 07 04:00:41 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059192.D

Acq: 12 Nov 2019 15:51

Instrument :

MSVOA_N

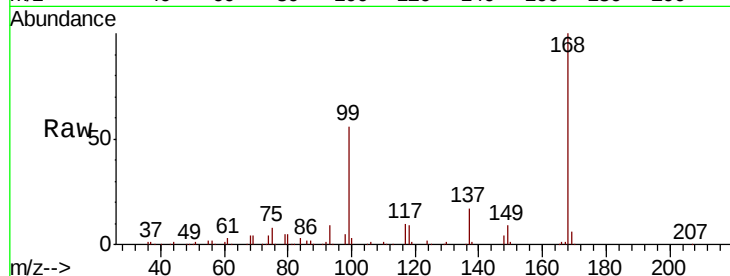
ClientSampleId :

Tot Ion:168 Resp: 443961

Ion Ratio Lower Upper

168 100

99 55.6 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

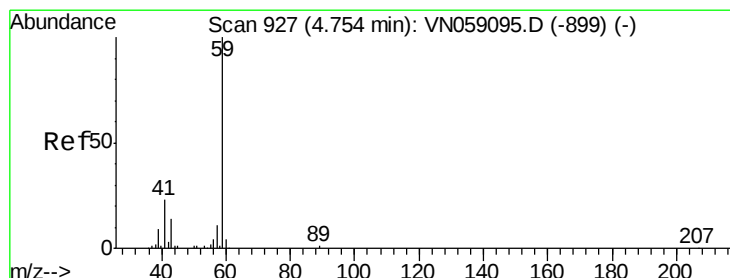
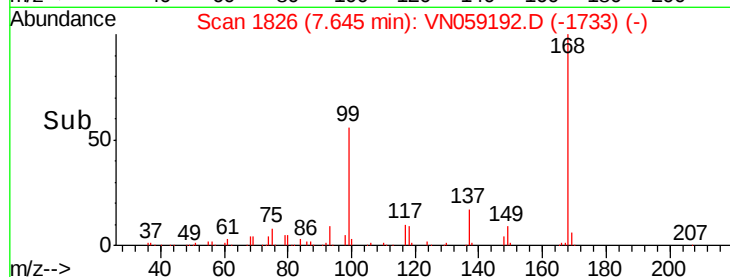
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.249 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN059192.D

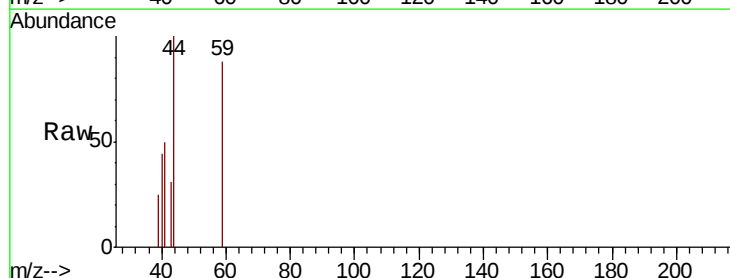
Acq: 12 Nov 2019 15:51

Tgt Ion: 59 Resp: 259

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

4.76

600

500

400

300

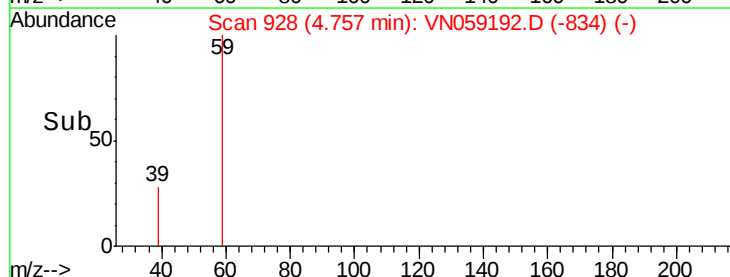
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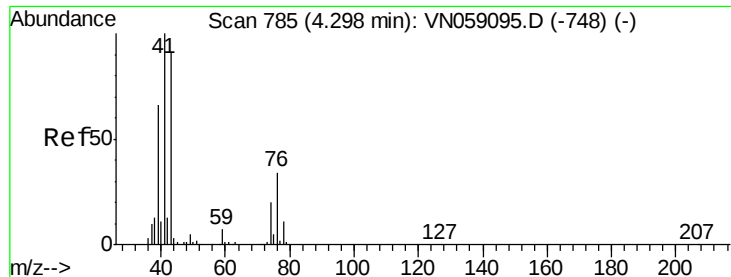
100

0

4.74 4.75 4.76 4.77

Time-->

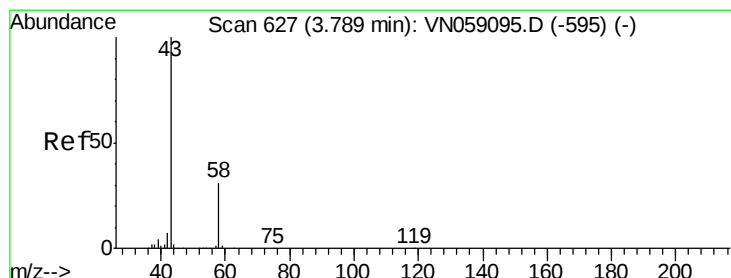
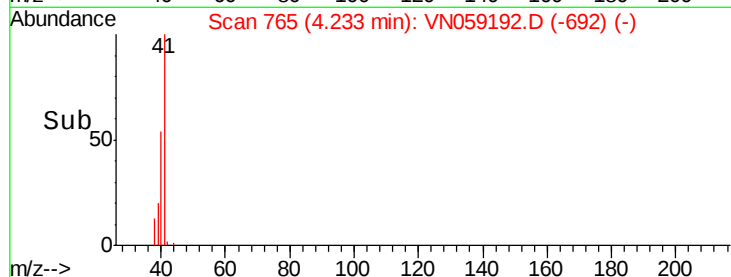
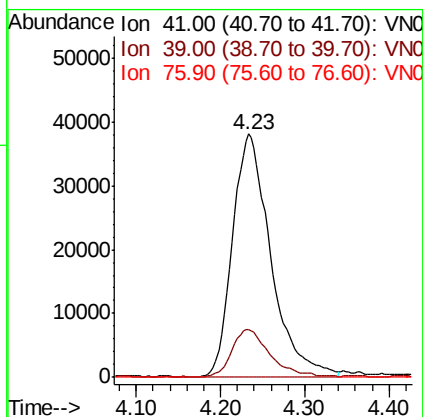
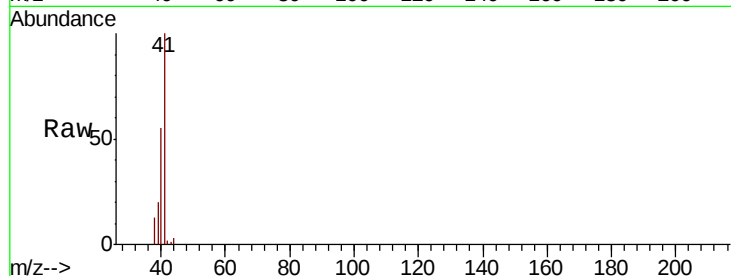




#14
Allv1 chloride
Concen: 14.202 ug/l
RT: 4.23 min Scan# 765
Delta R.T. -0.06 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

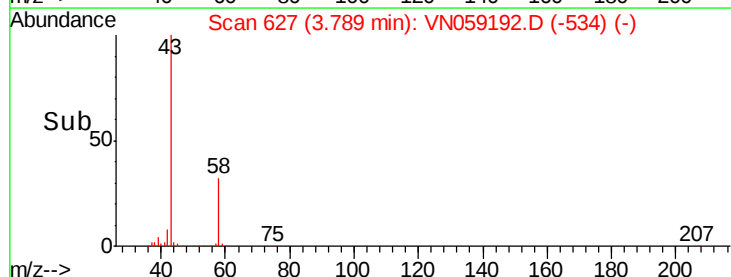
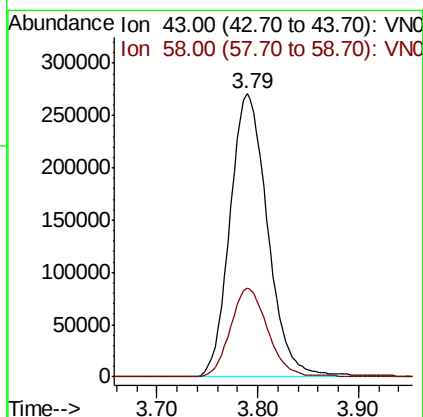
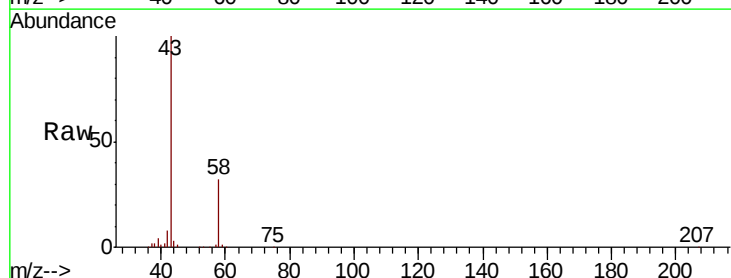
Instrument :
MSVOA_N
ClientSampled :

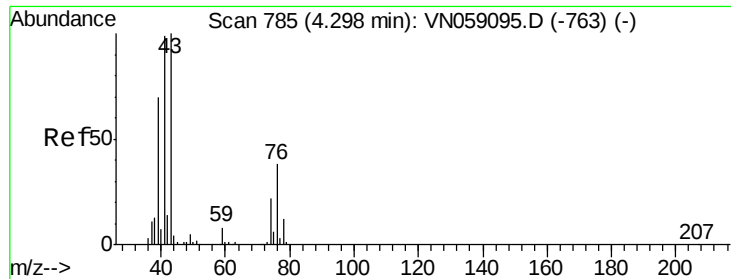
Tot Ion	Ratio	Lower	Upper
41	100		
39	19.0	49.1	73.7#
76	0.0	24.9	37.3#



#16
Acetone
Concen: 246.360 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.9	37.3

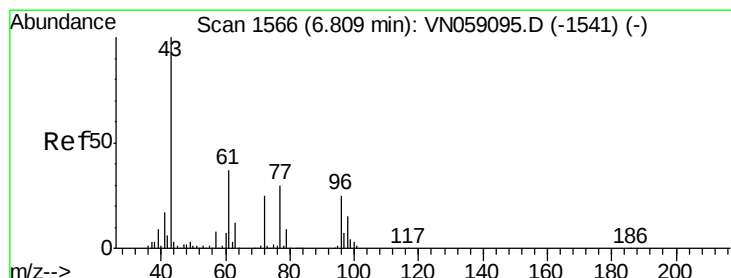
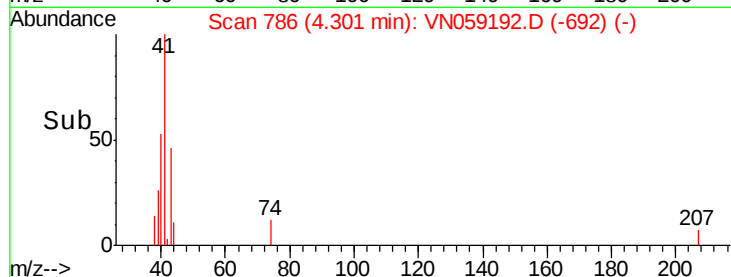
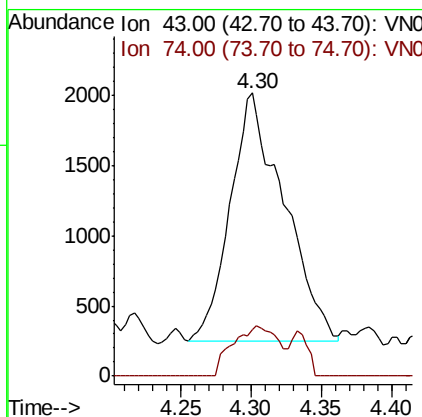
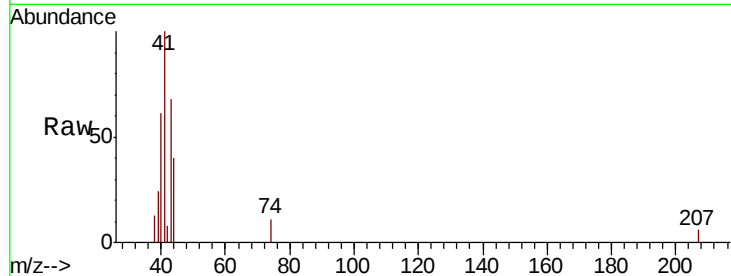




#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

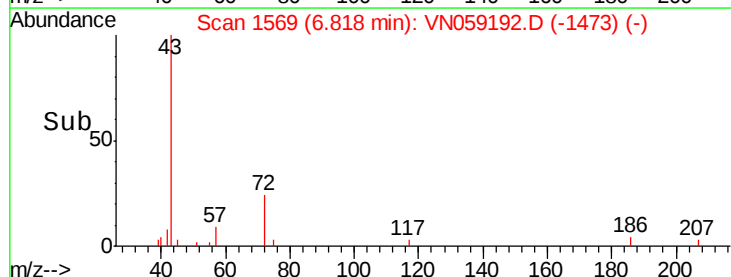
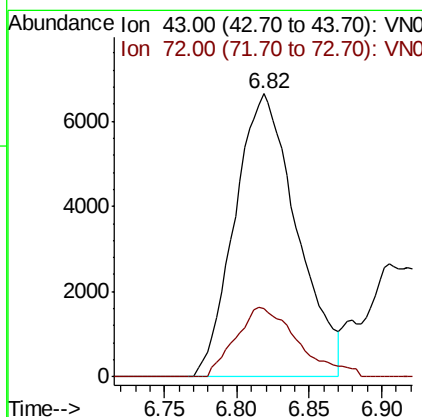
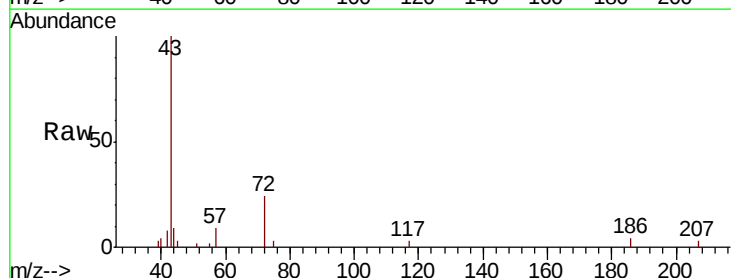
Instrument :
MSVOA_N
ClientSampled :

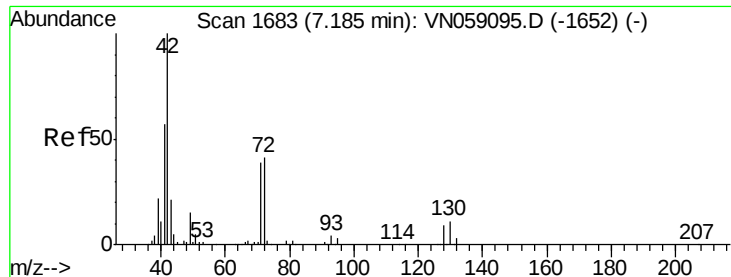
Tot Ion: 43 Resp: 4699
Ion Ratio Lower Upper
43 100
74 17.5 17.8 26.8#



#25
2-Butanone
Concen: 5.288 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion: 43 Resp: 19778
Ion Ratio Lower Upper
43 100
72 24.0 20.3 30.5

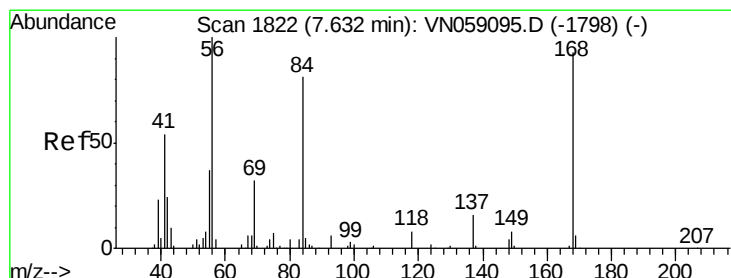
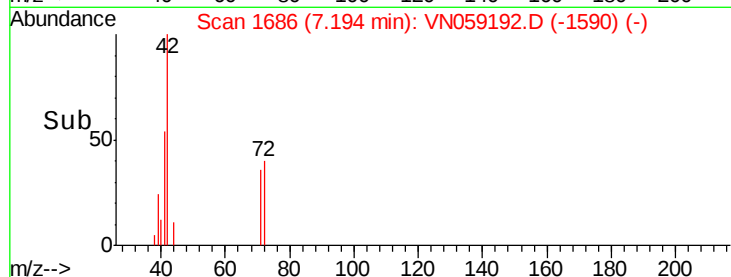
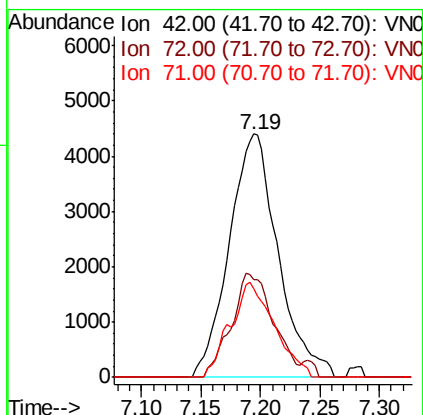
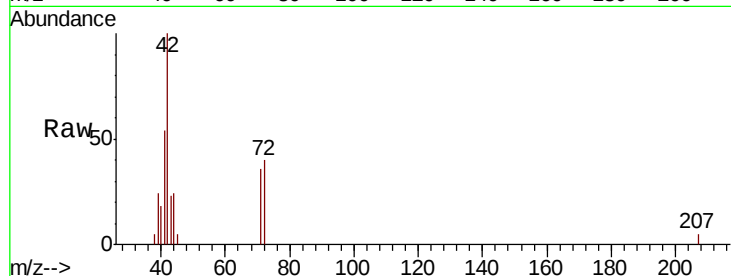




#29
Tetrahydrofuran
Concen: 5.278 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

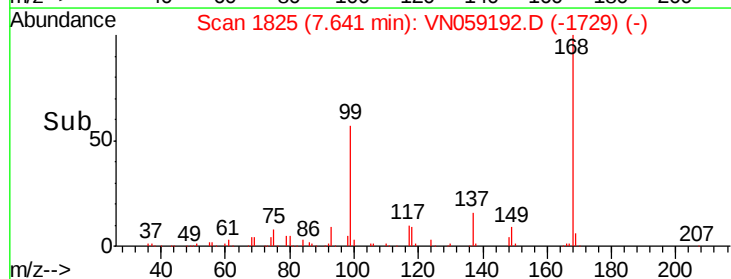
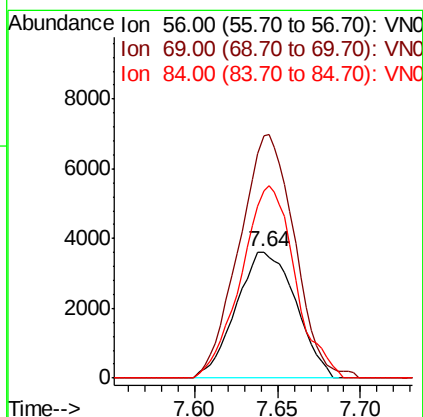
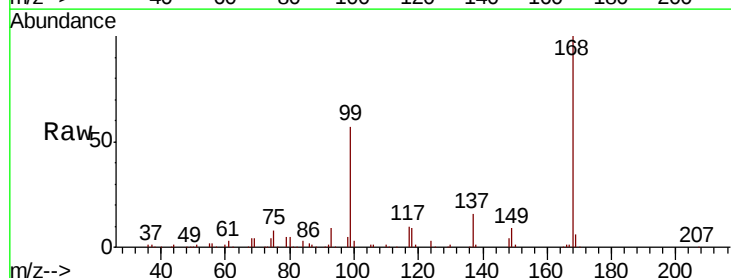
Instrument :
MSVOA_N
ClientSampled :

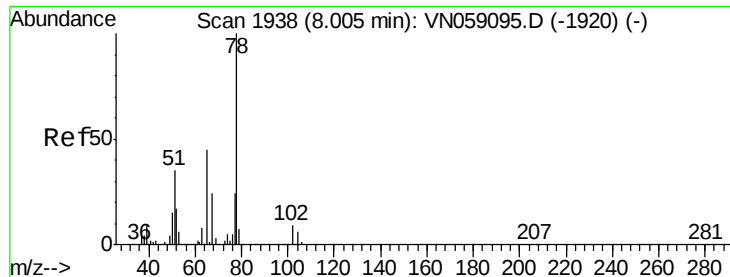
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	33.1	49.7
71	34.9	30.9	46.3



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	192.5	25.8	38.8#
84	148.3	65.0	97.4#

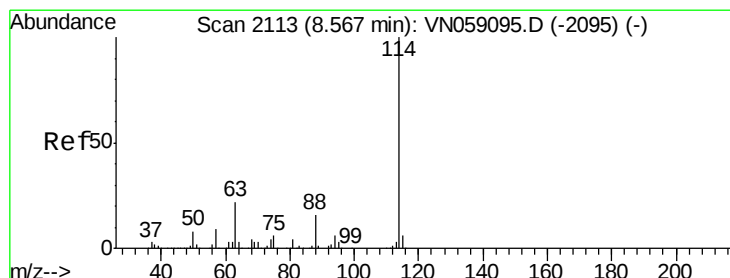
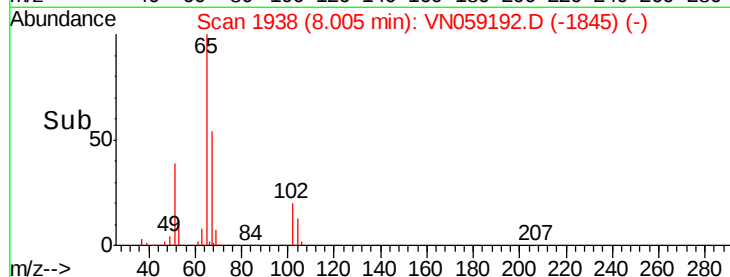
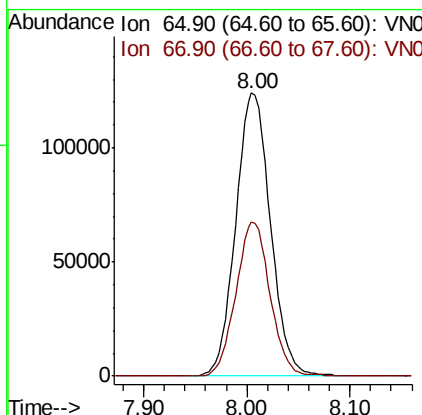
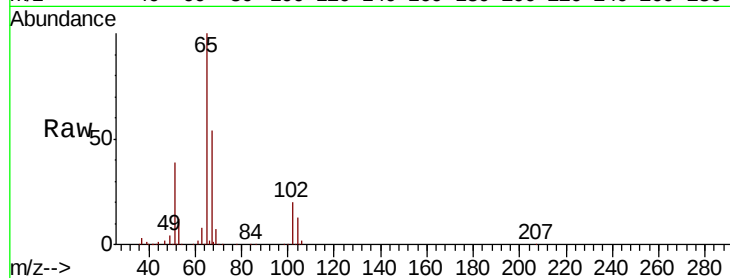




#33
 1,2-Dichloroethane-d4
 Concen: 53.284 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059192.D
 Acq: 12 Nov 2019 15:51

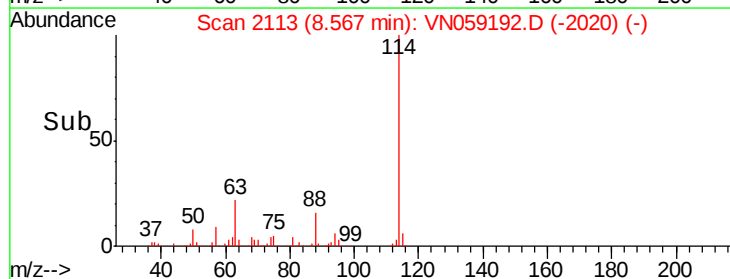
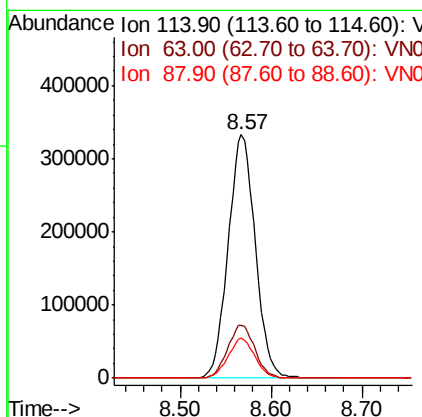
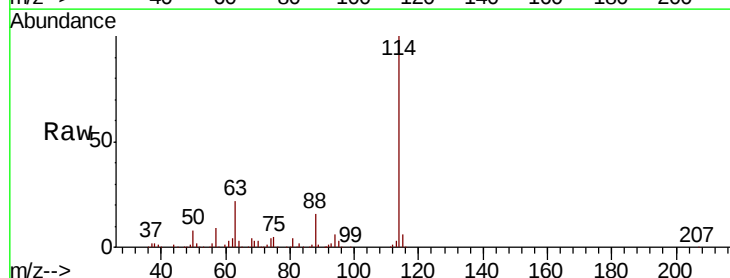
Instrument :
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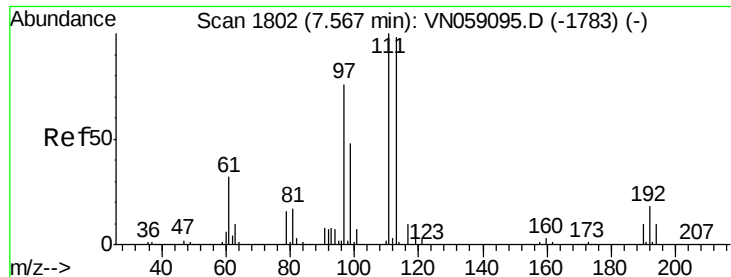
Tot Ion: 65 Resp: 290795
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059192.D
 Acq: 12 Nov 2019 15:51

Tgt Ion: 114 Resp: 688984
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.3 0.0 32.2

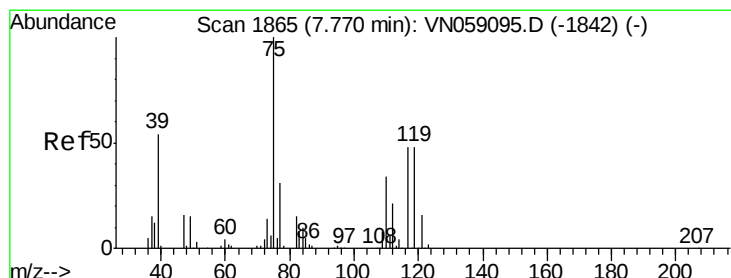
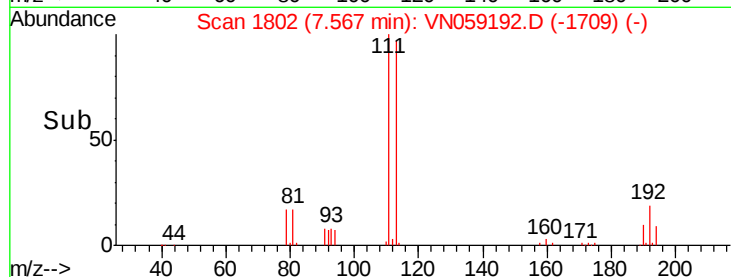
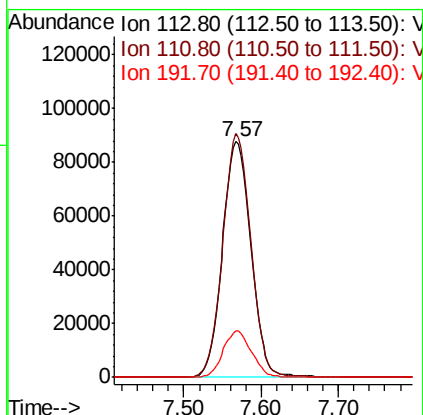
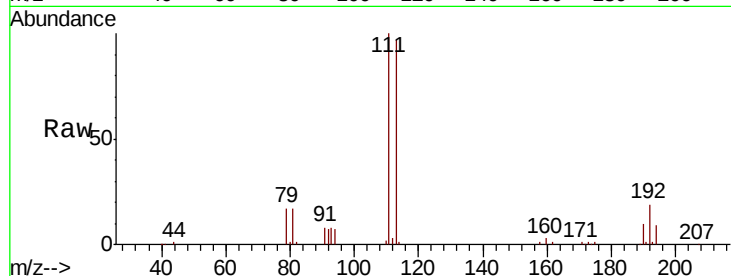




#35
 Dibromofluoromethane
 Concen: 54.571 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059192.D
 Acq: 12 Nov 2019 15:51

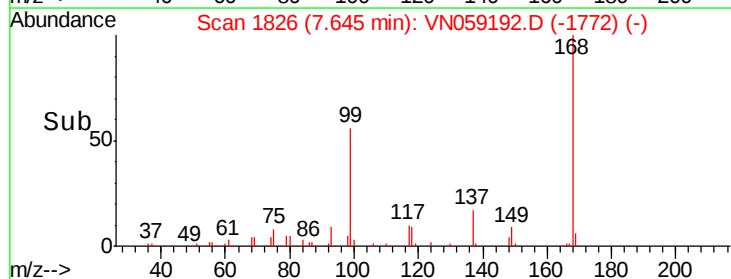
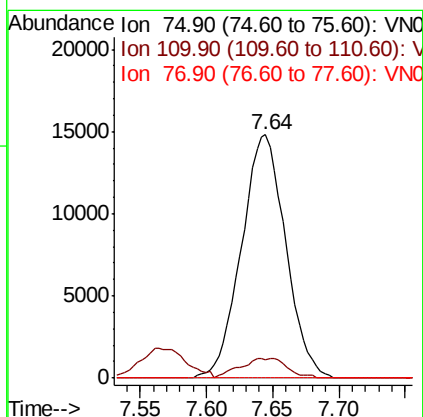
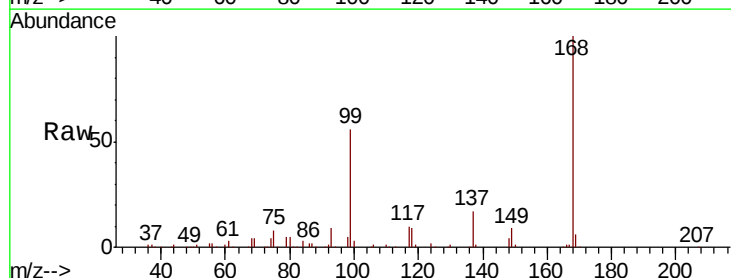
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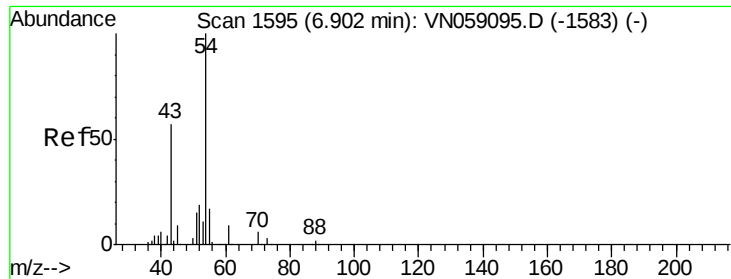
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.8	124.2
192	19.5	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.348 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059192.D
 Acq: 12 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#

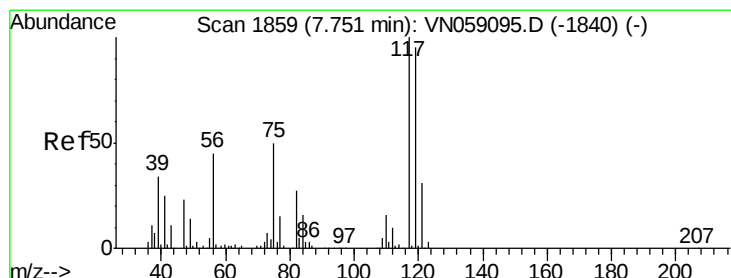
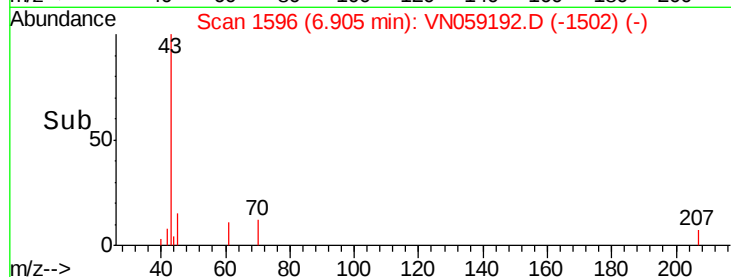
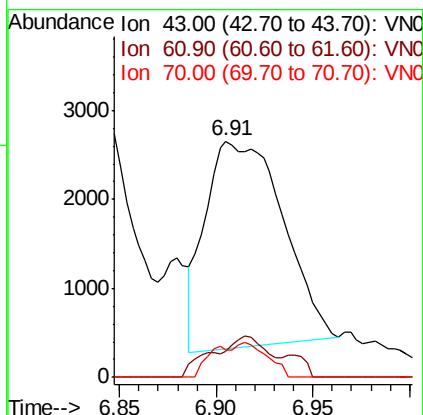
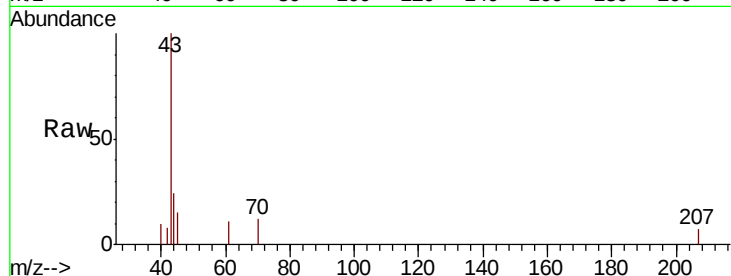




#37
Ethyl Acetate
Concen: 0.903 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

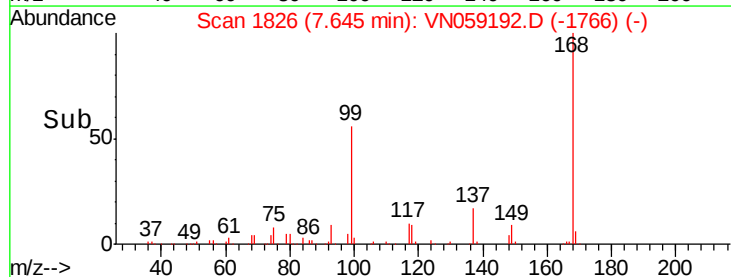
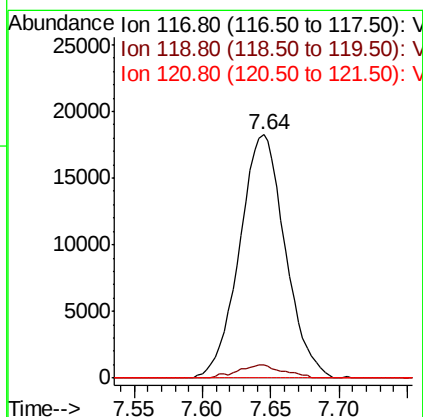
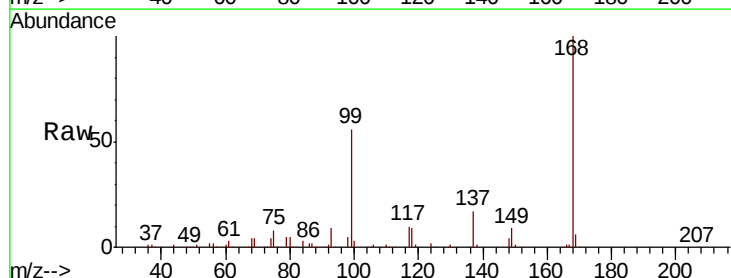
Instrument :
MSVOA_N
ClientSampleId :

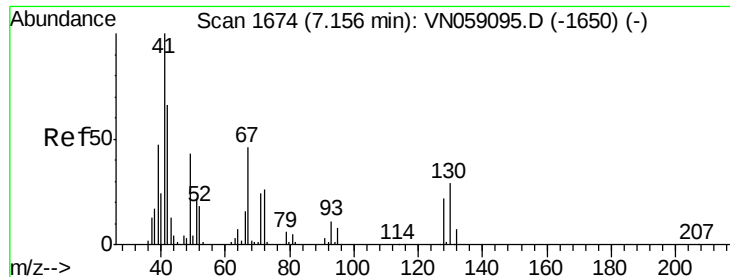
Tot Ion: 43 Resp: 6468
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 5.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion: 117 Resp: 42457
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 24.6 36.8#

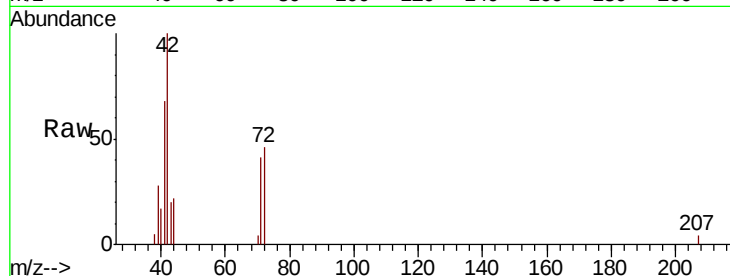




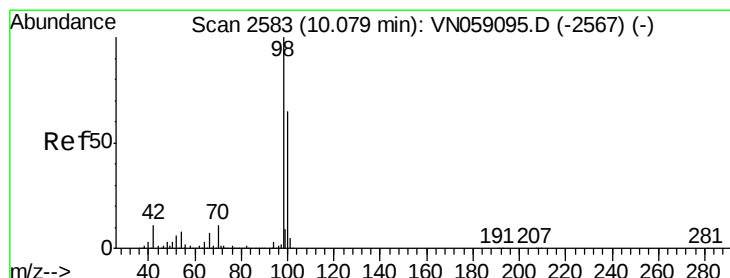
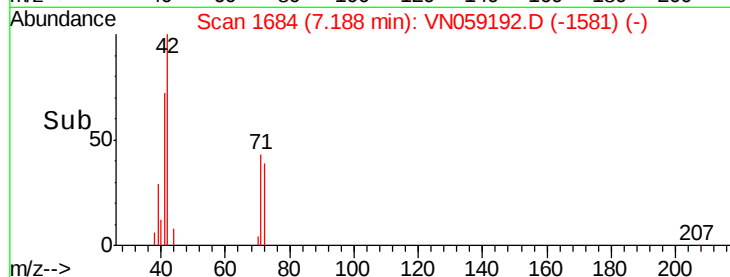
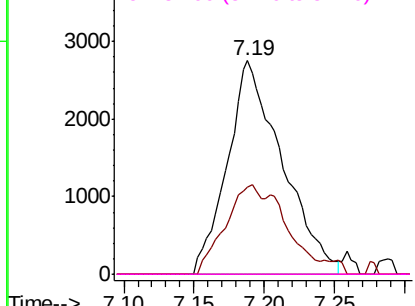
#41
Methacrylonitrile
Concen: 2.396 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	7465
Ion	Ratio	Lower	Upper
41	100		
39	29.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

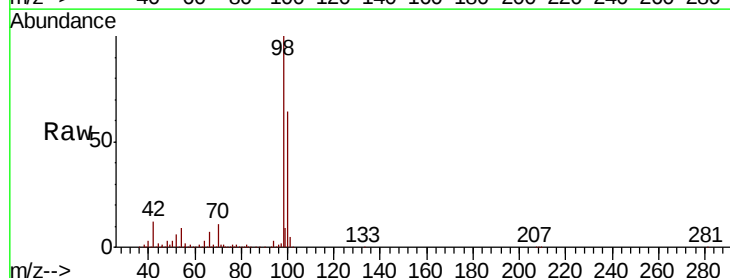


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

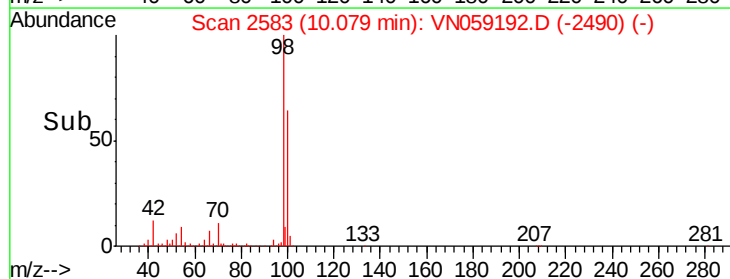
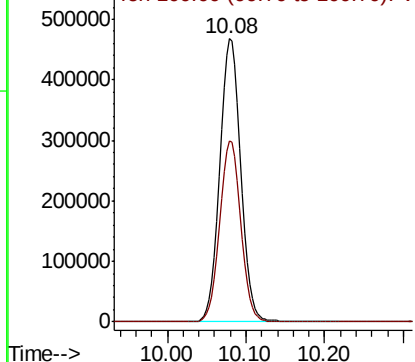


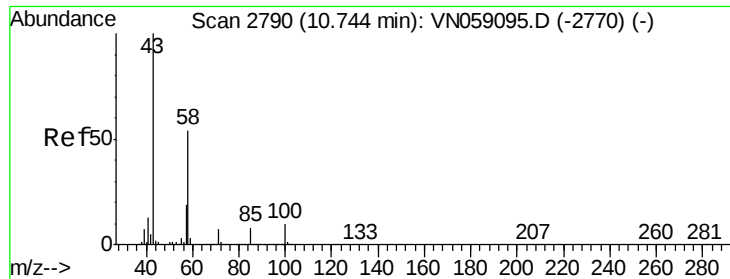
#50
Toluene-d8
Concen: 52.944 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion:	98	Resp:	857927
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

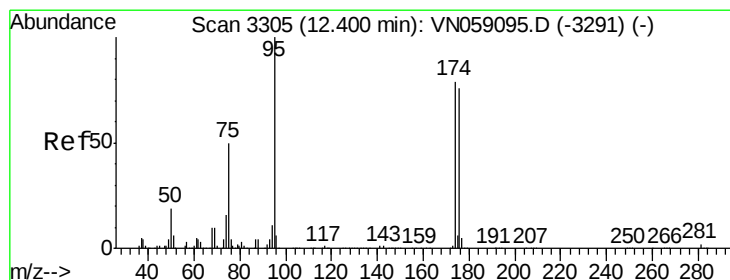
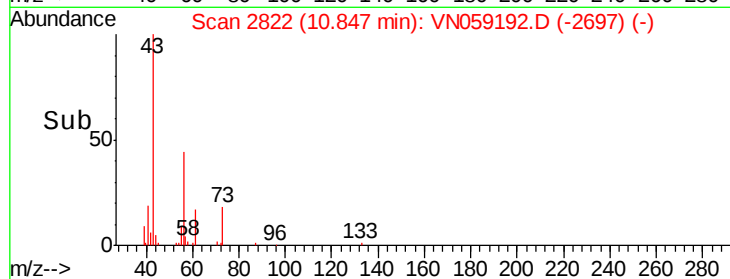
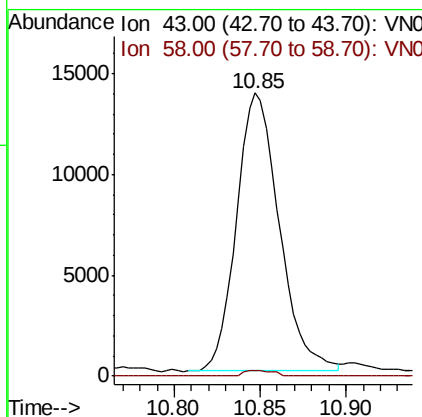
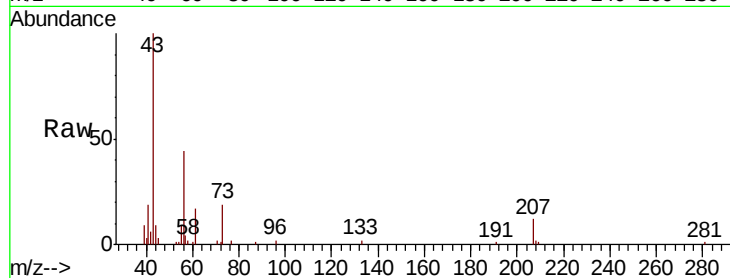




#59
2-Hexanone
Concen: 4.809 ug/l
RT: 10.85 min Scan# 2822
Delta R.T. 0.10 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

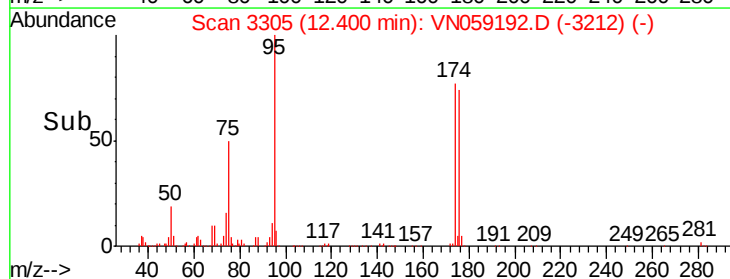
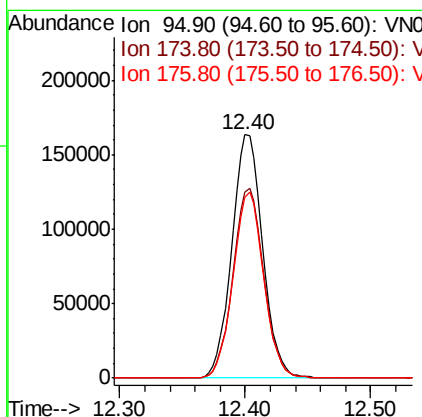
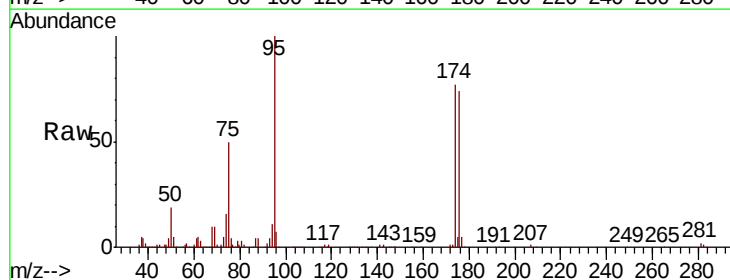
Instrument :
MSVOA_N
ClientSampleId :

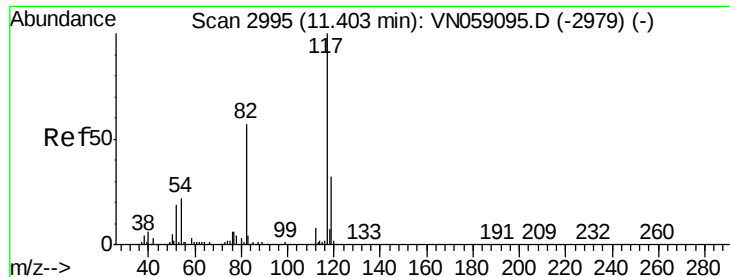
Tot Ion: 43 Resp: 23853
Ion Ratio Lower Upper
43 100
58 1.4 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.724 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion: 95 Resp: 278835
Ion Ratio Lower Upper
95 100
174 78.2 0.0 158.2
176 76.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059192.D

Acq: 12 Nov 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

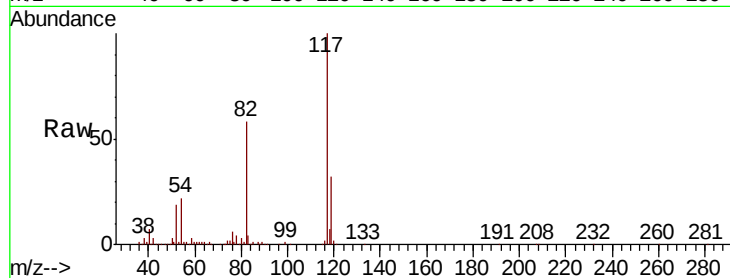
Tot Ion:117 Resp: 607093

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.8

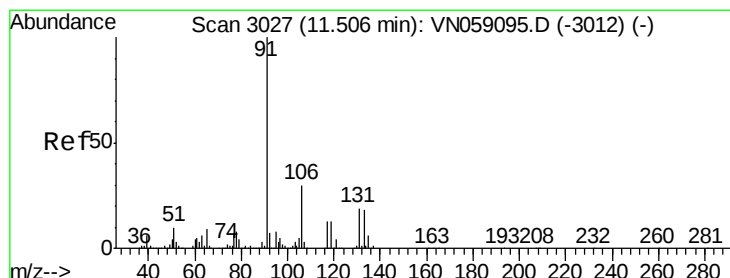
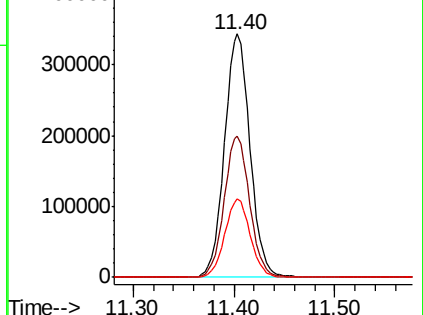
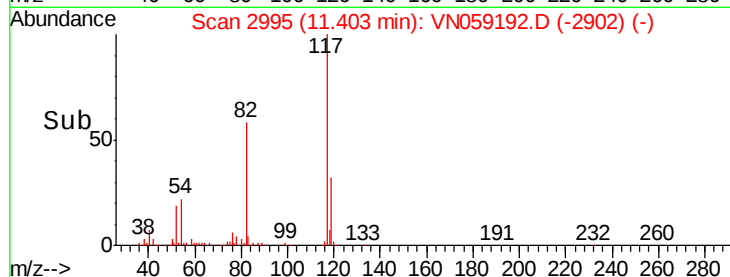
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.051 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059192.D

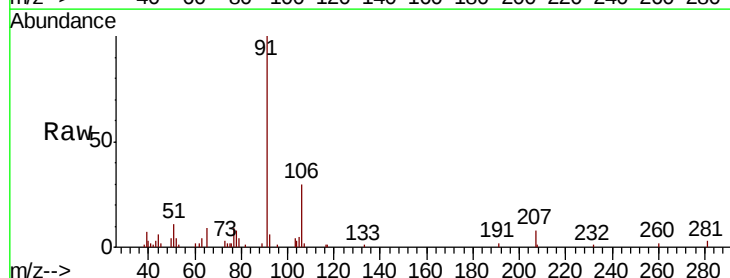
Acq: 12 Nov 2019 15:51

Tgt Ion: 91 Resp: 22061

Ion Ratio Lower Upper

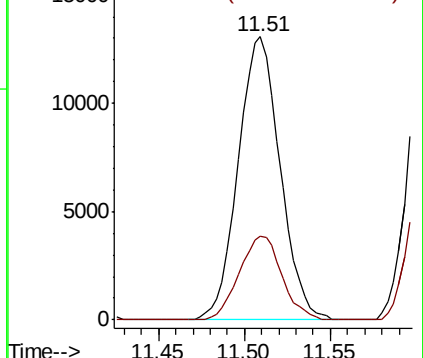
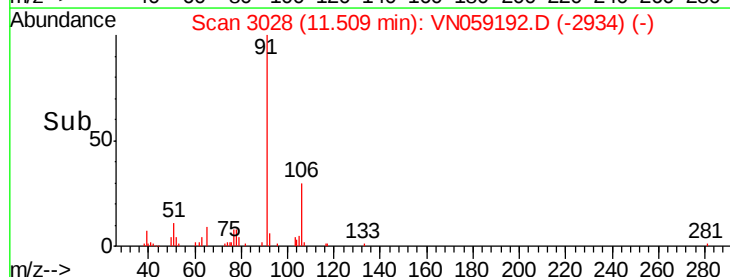
91 100

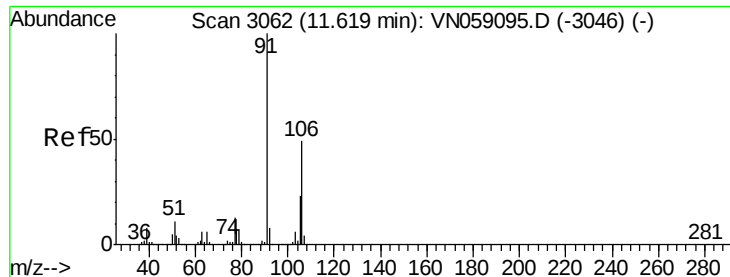
106 29.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

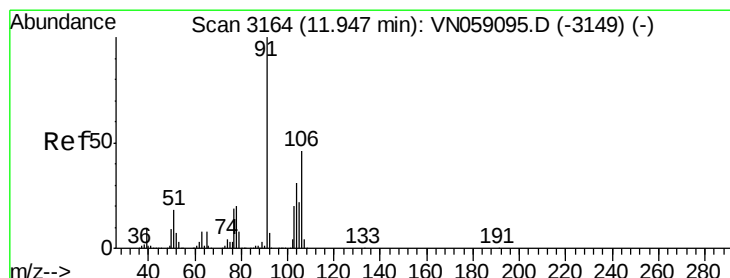
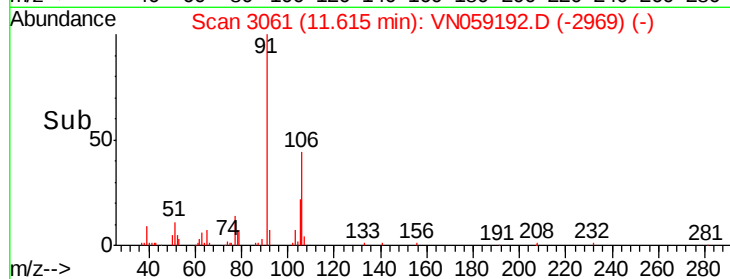
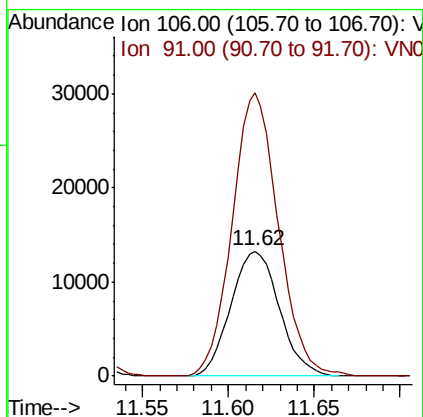
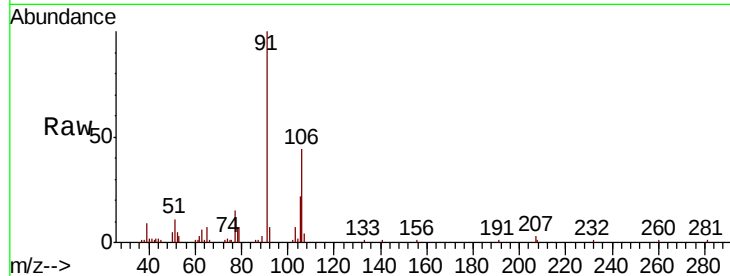




#68
m/p-Xylenes
Concen: 3.309 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

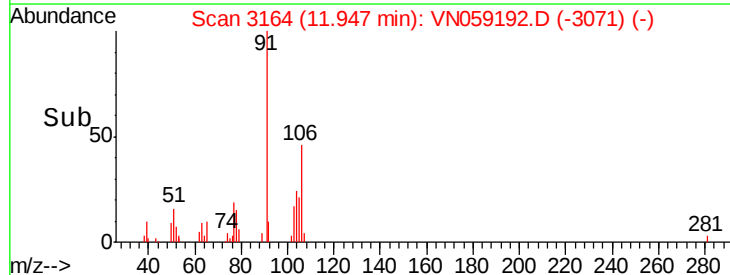
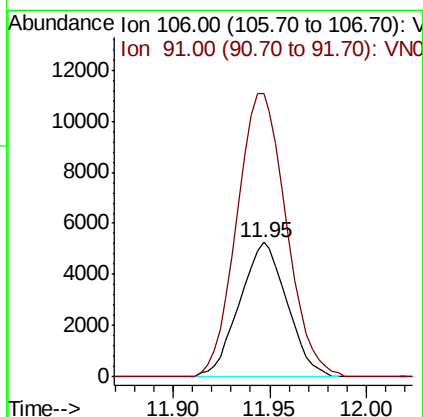
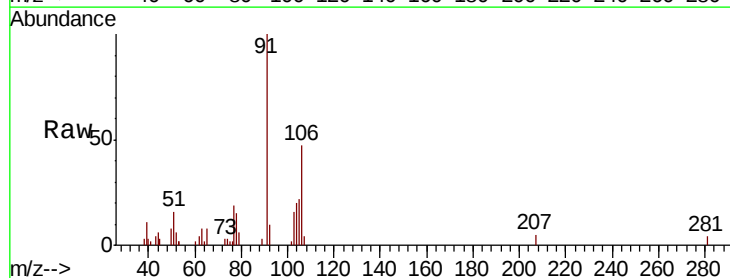
Instrument :
MSVOA_N
ClientSampleId :

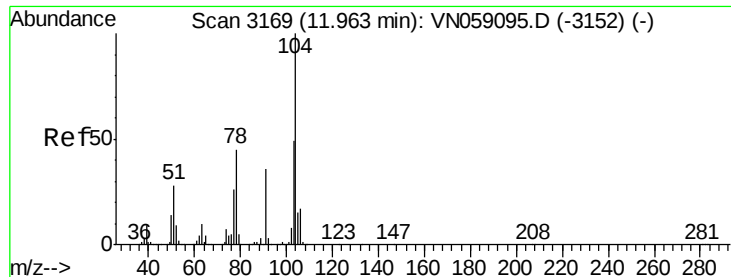
Tot Ion:106 Resp: 26026
Ion Ratio Lower Upper
106 100
91 216.5 164.7 247.1



#69
o-Xylene
Concen: 1.184 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion:106 Resp: 8996
Ion Ratio Lower Upper
106 100
91 218.6 110.1 330.3

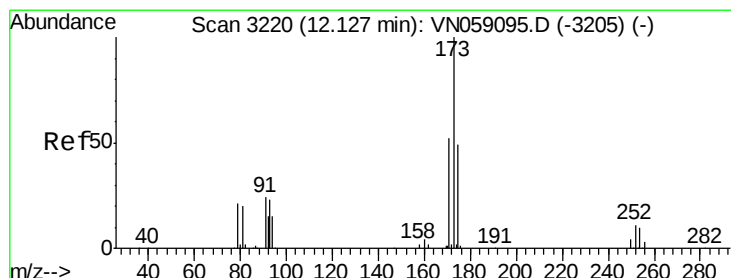
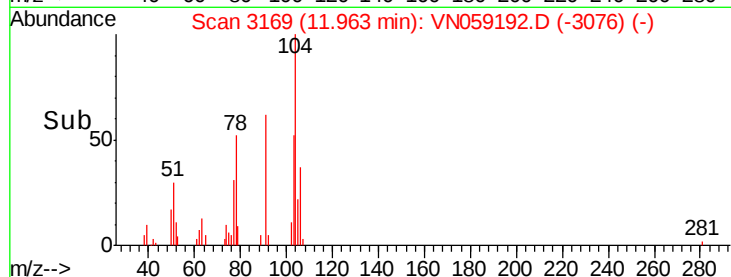
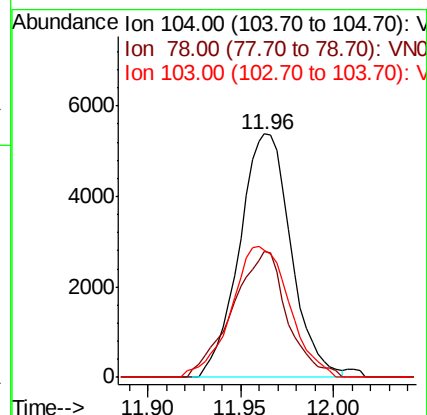
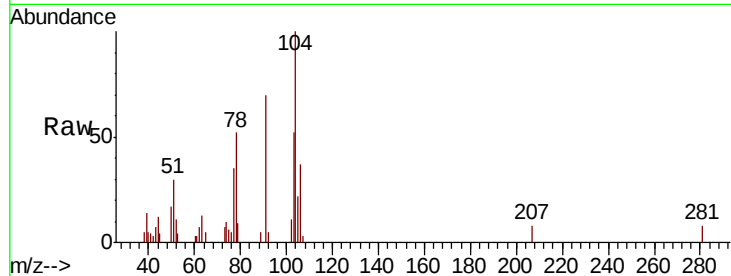




#70
Stvrene
Concen: 0.869 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

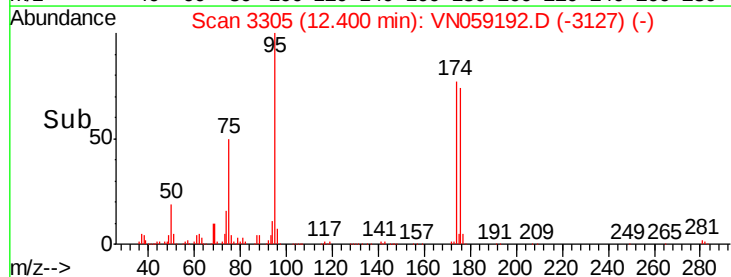
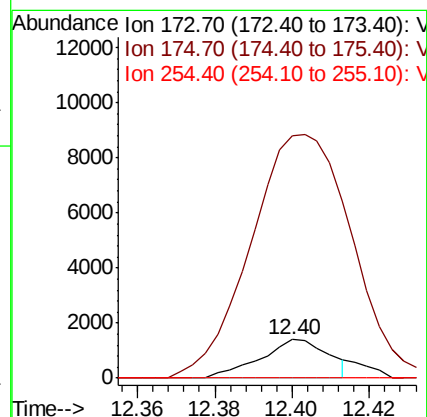
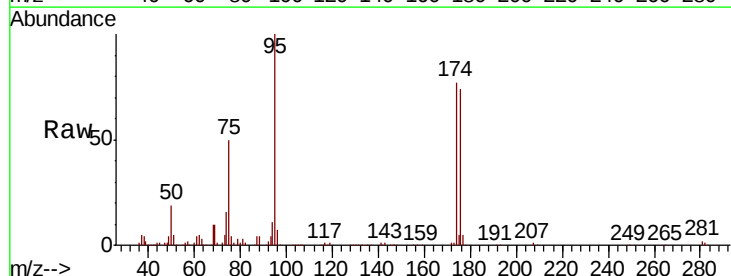
Instrument :
MSVOA_N
ClientSampleId :

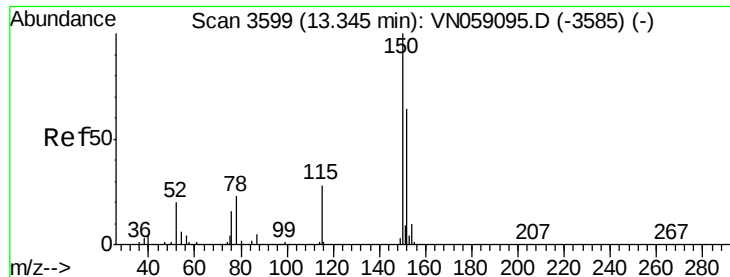
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.0	41.2	61.8
103	60.5	43.8	65.6



#71
Bromoform
Concen: 0.498 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	797.6	24.2	72.6#
254	0.0	0.1	0.1#



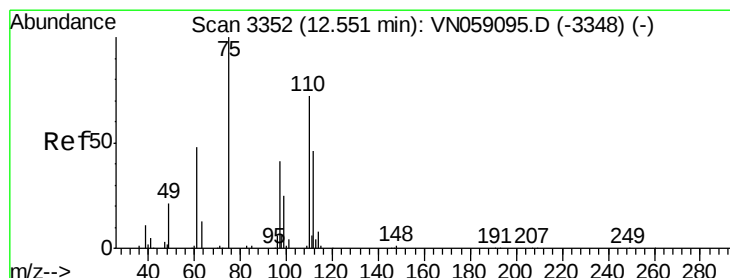
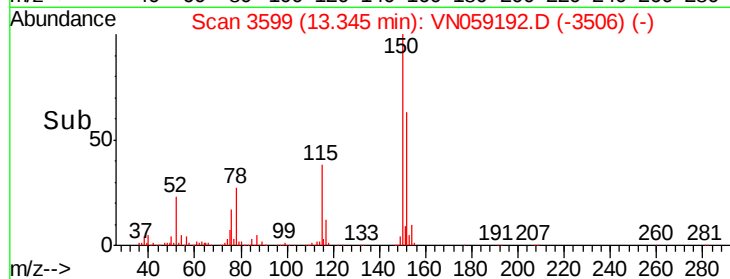
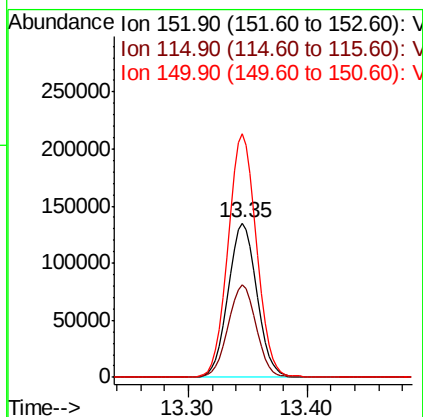
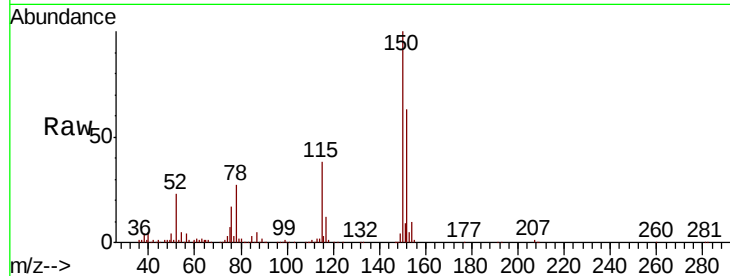


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Instrument :
MSVOA_N
ClientSampled :

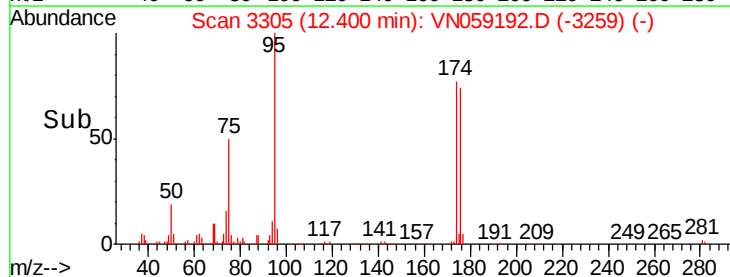
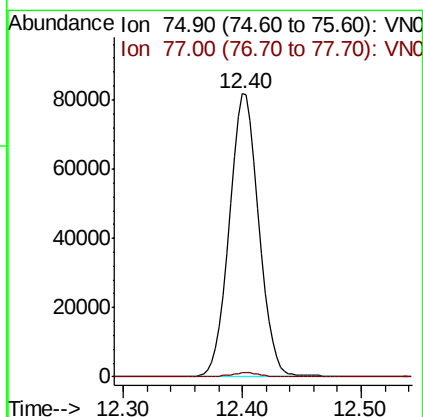
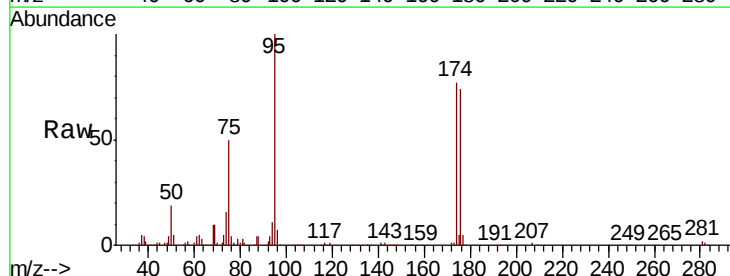
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.2
150	156.1	0.0	345.8

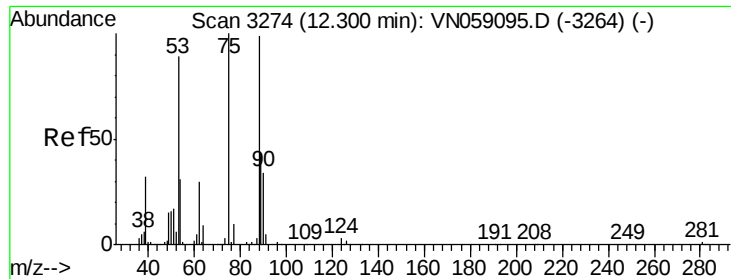


#76

1,2,3-Trichloropropane
Concen: 27.288 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

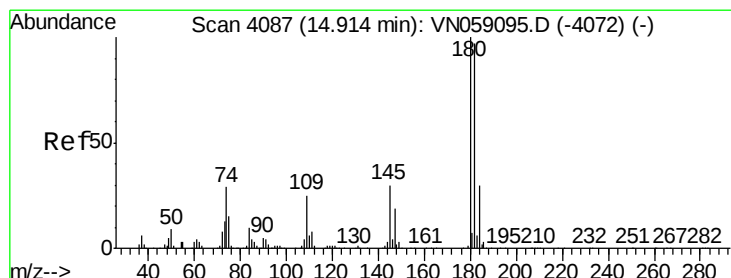
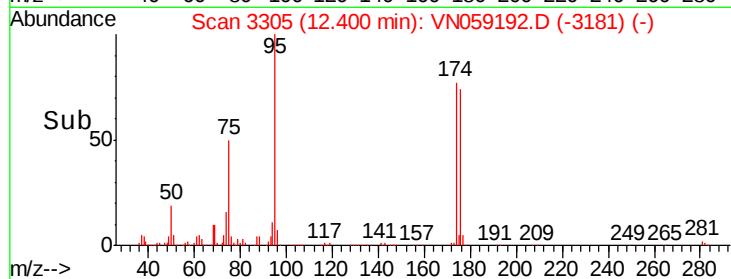
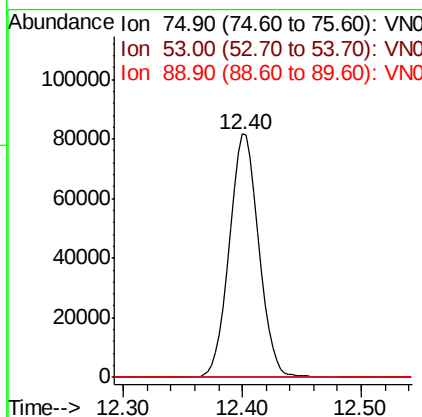
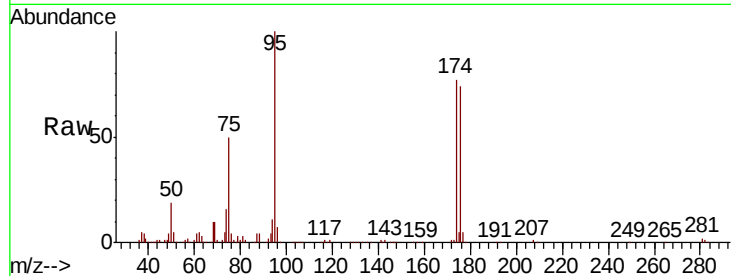




#81
trans-1,4-Dichloro-2-butene
Concen: 72.074 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

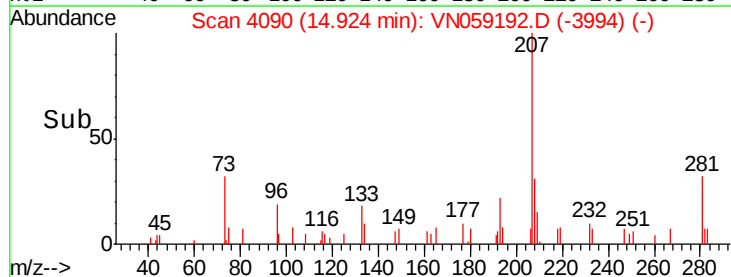
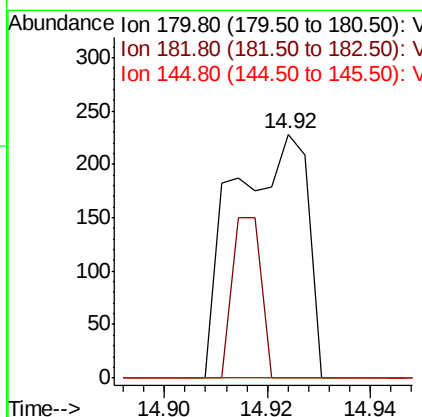
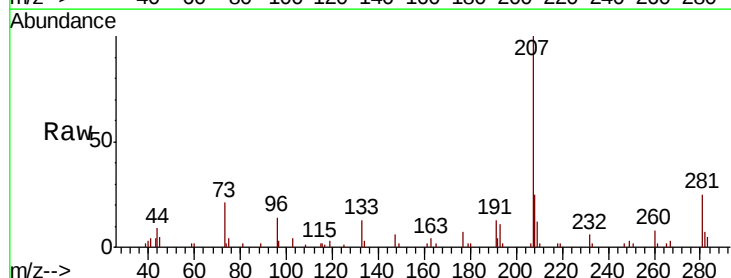
Instrument :
MSVOA_N
ClientSampled :

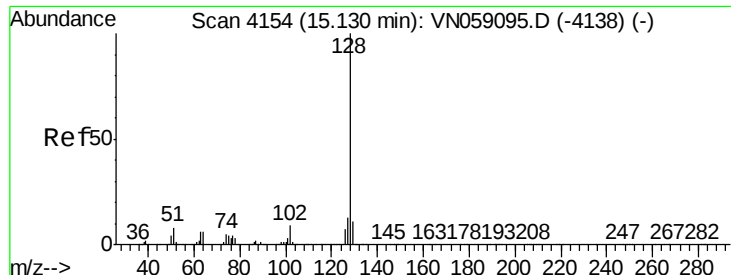
Tot Ion: 75 Resp: 140438
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.2#
89 0.0 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 3.096 ug/l
RT: 14.92 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN059192.D
Acq: 12 Nov 2019 15:51

Tgt Ion: 180 Resp: 224
Ion Ratio Lower Upper
180 100
182 25.9 48.1 144.3#
145 0.0 15.1 45.3#





#95

Naphthalene

Concen: 3.733 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059192.D

Acq: 12 Nov 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

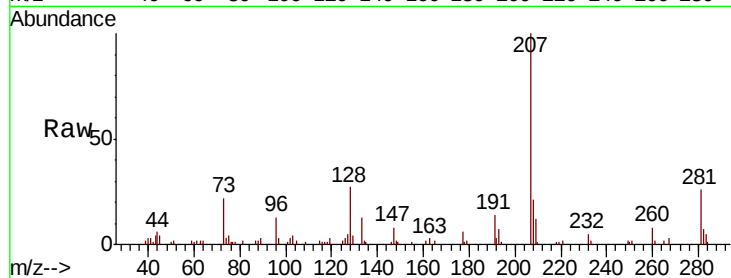
Tot Ion:128 Resp: 8589

Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.2#

129 10.7 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

