

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054709.D
 Acq On : 27 Mar 2019 9:35
 Operator : JC/SP
 Sample : VN0327MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	512229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	800035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	678929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230161	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	329401	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	259451	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.09	98	969425	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	292862	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

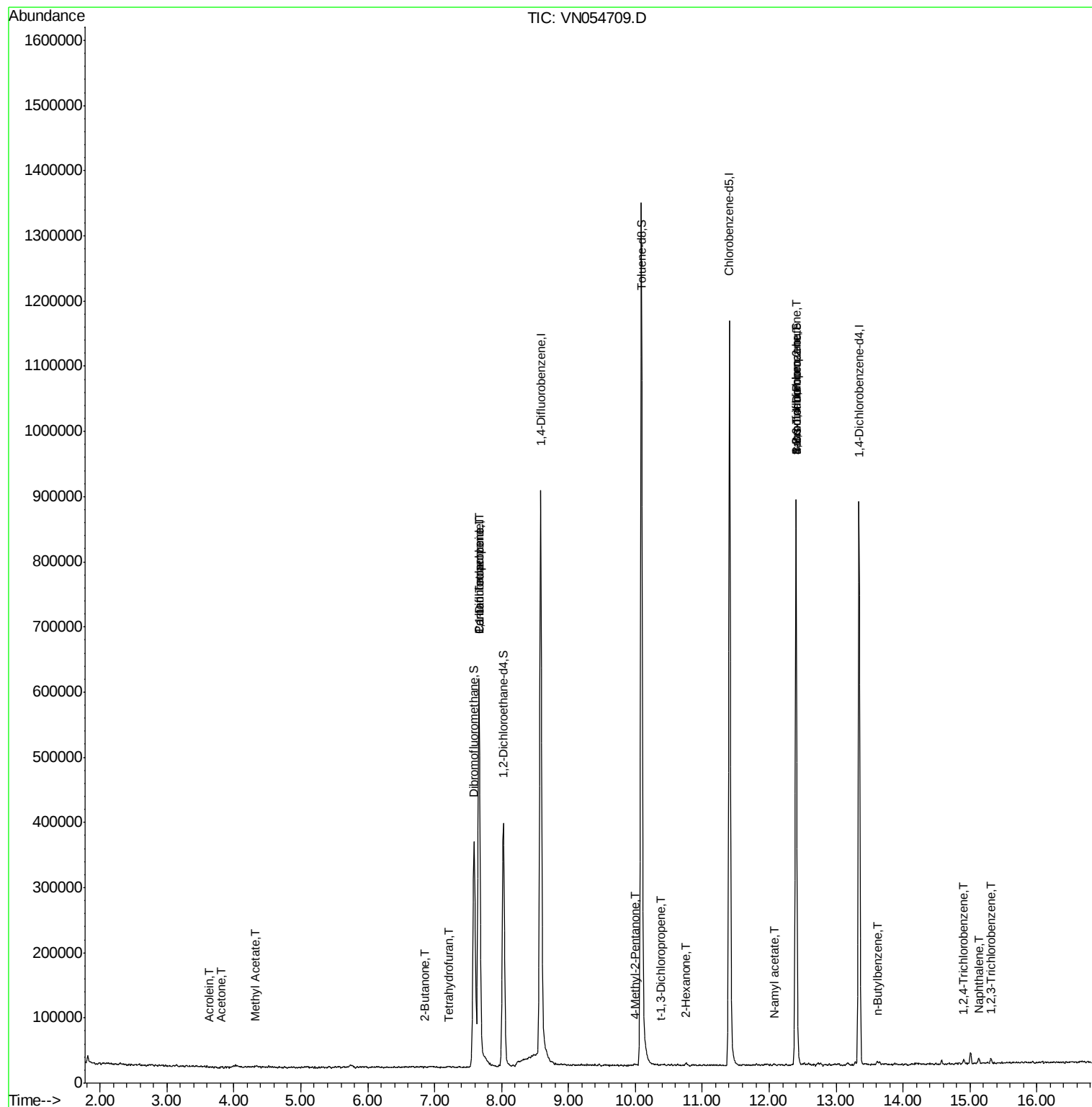
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	215	0.404	ug/l #	1
16) Acetone	3.82	43	545	0.285	ug/l	96
18) Methyl Acetate	4.32	43	1927	0.451	ug/l #	49
25) 2-Butanone	6.85	43	553	0.225	ug/l #	46
29) Tetrahydrofuran	7.22	42	812	0.510	ug/l #	30
31) Cyclohexane	7.66	56	11294	Below Cal	#	36
36) 1,1-Dichloropropene	7.66	75	39583	5.292	ug/l #	43
38) Carbon Tetrachloride	7.66	117	48813	6.715	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	1936	0.389	ug/l #	64
53) t-1,3-Dichloropropene	10.39	75	32	2.236	ug/l #	80
59) 2-Hexanone	10.75	43	2894	0.890	ug/l	90
71) Bromoform	12.39	173	380	2.327	ug/l #	1
74) N-amyl acetate	12.07	43	2689	0.504	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	153354	41.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	153354	138.738	ug/l #	11
89) n-Butylbenzene	13.61	91	3136	0.272	ug/l #	86
93) 1,2,4-Trichlorobenzene	14.91	180	2446	0.665	ug/l	86
94) Hexachlorobutadiene	15.00	225	3502	Below Cal		91
95) Naphthalene	15.13	128	7024	0.856	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3071	0.838	ug/l	92

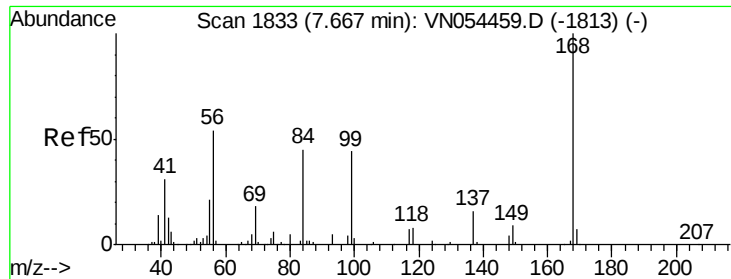
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

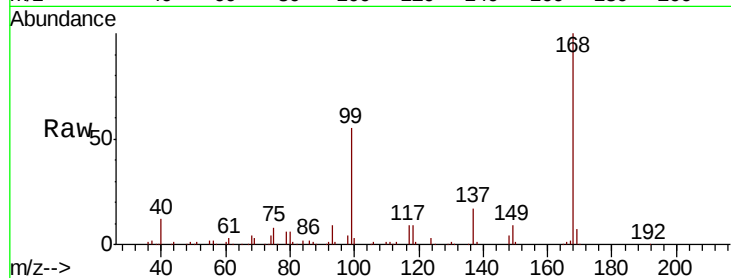
ClientSampled :

Tot Ion:168 Resp: 512229

Ion Ratio Lower Upper

168 100

99 55.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1813) (-)

7.66

200000

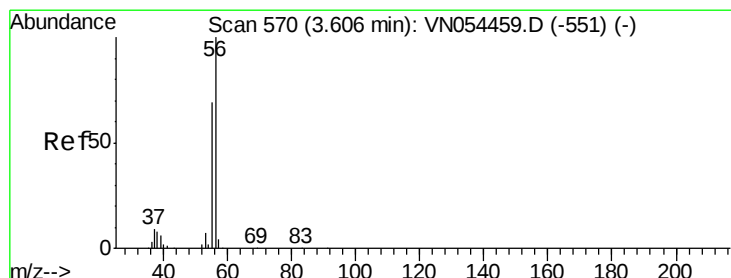
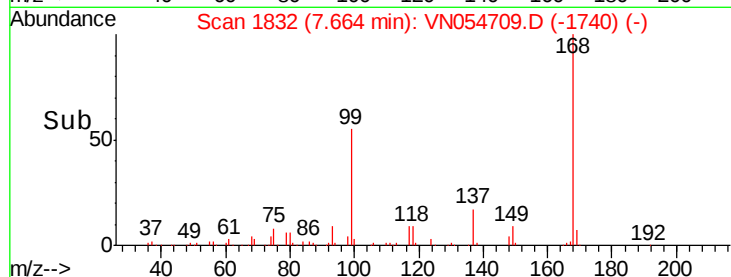
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.404 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054709.D

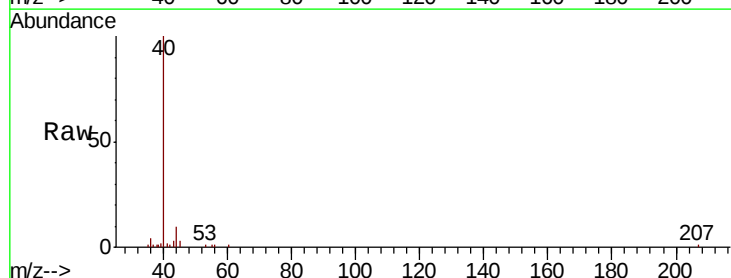
Acq: 27 Mar 2019 9:35

Tgt Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 220.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)

3.62

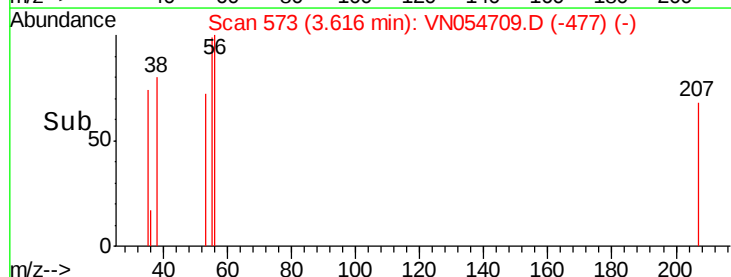
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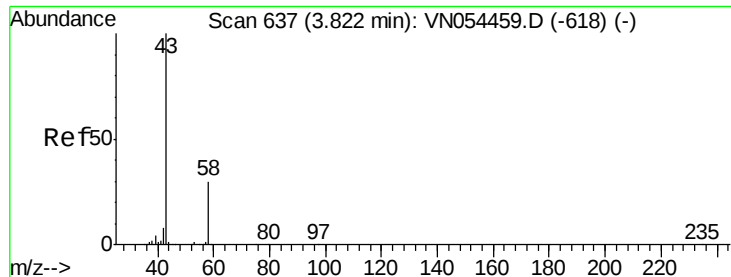
200

100

0

Time-->

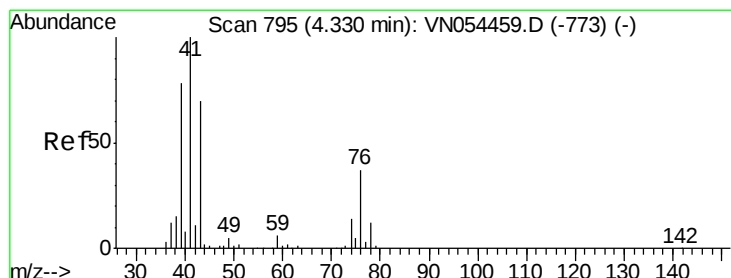
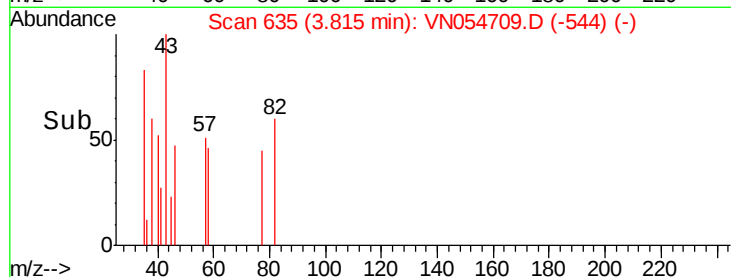
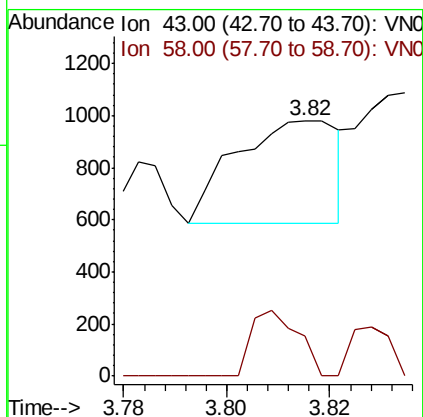
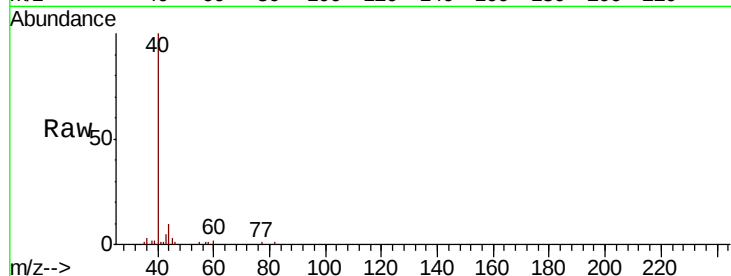




#16
Acetone
Concen: 0.285 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

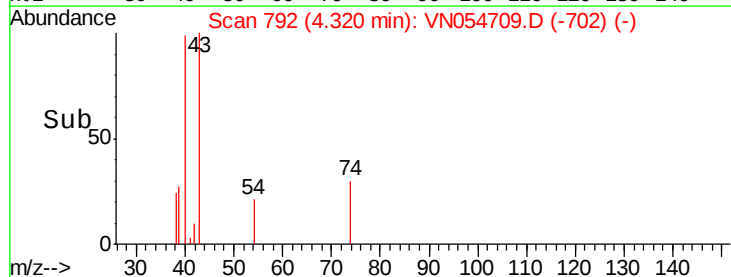
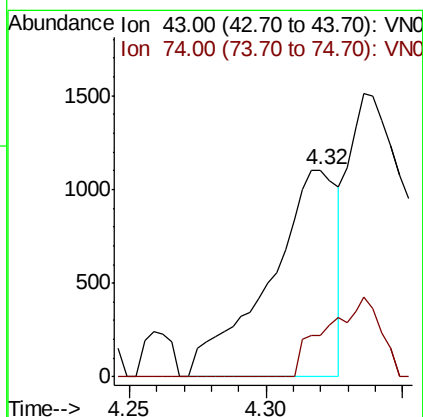
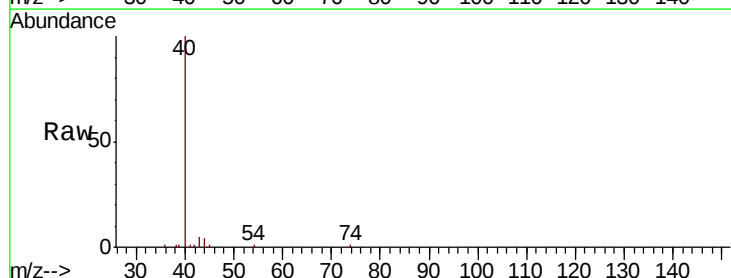
Instrument :
MSVOA_N
ClientSampled :

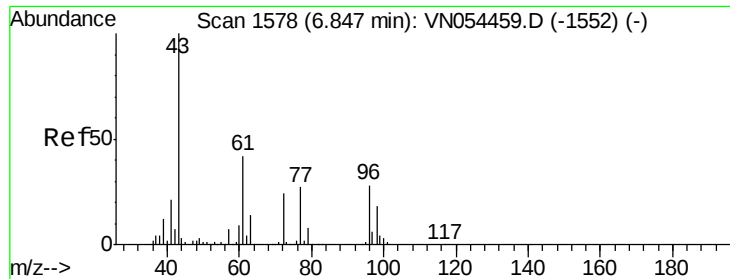
Tot Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 39.7 29.9 44.9



#18
Methyl Acetate
Concen: 0.451 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

Tgt Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

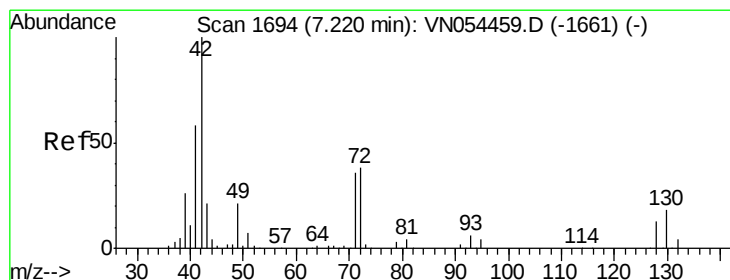
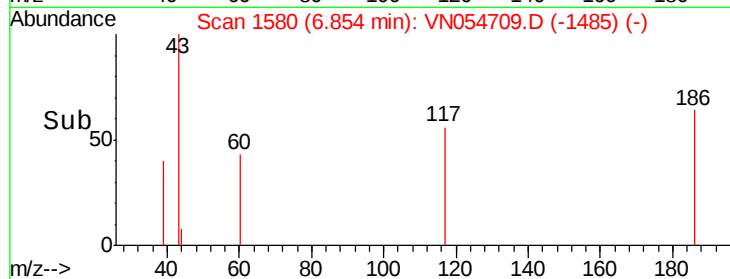
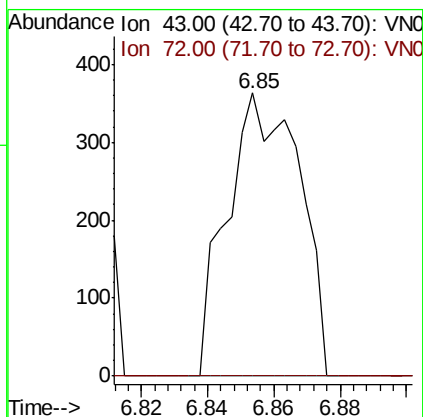
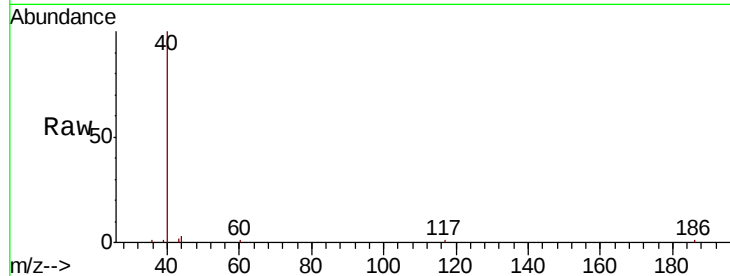




#25
2-Butanone
Concen: 0.225 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

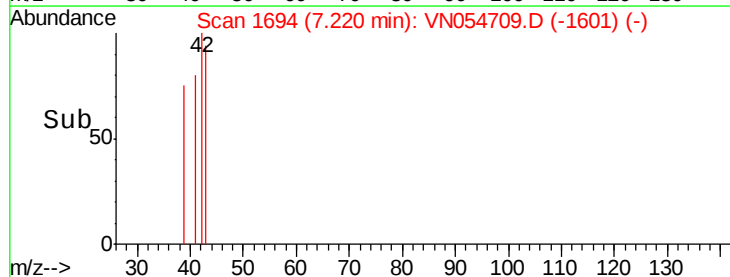
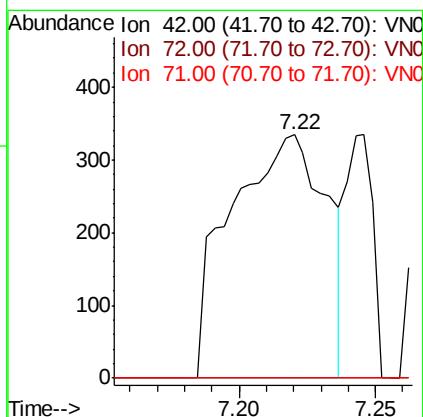
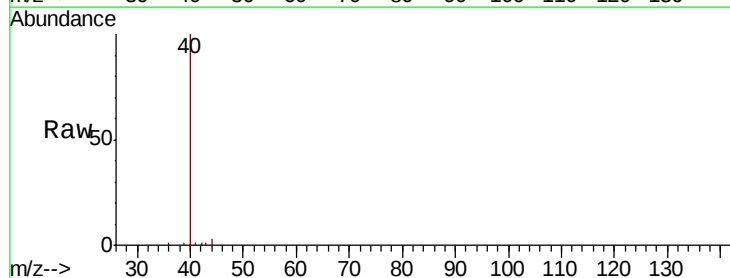
Instrument :
MSVOA_N
ClientSampled :

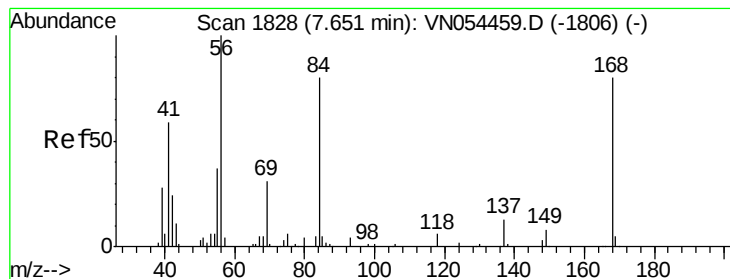
Tot Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.510 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

Tgt Ion: 42 Resp: 812
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

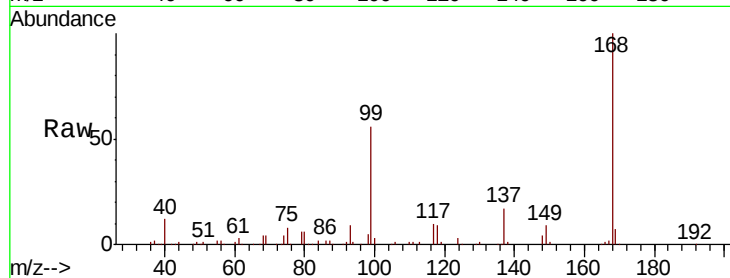
Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

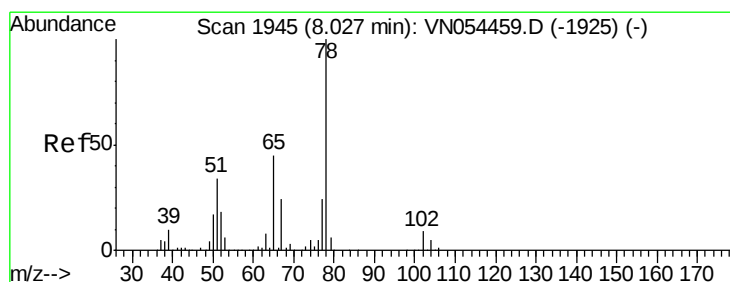
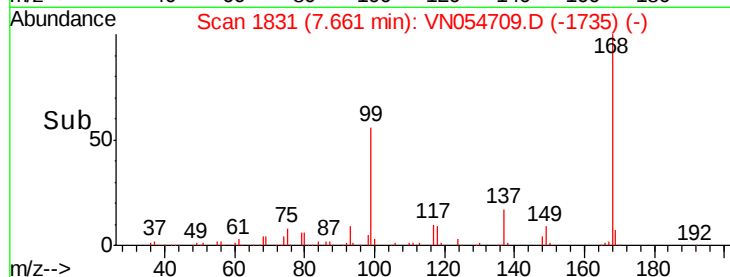
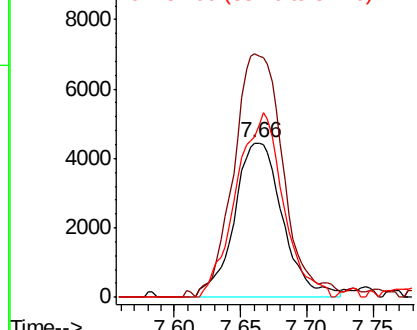
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11294

Ion	Ratio	Lower	Upper
56	100		
69	153.8	27.8	41.6#
84	104.3	74.6	111.8



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: 51.701 ug/l

RT: 8.03 min Scan# 1945

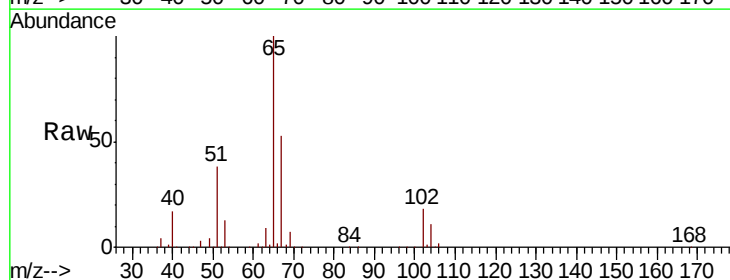
Delta R.T. -0.00 min

Lab File: VN054709.D

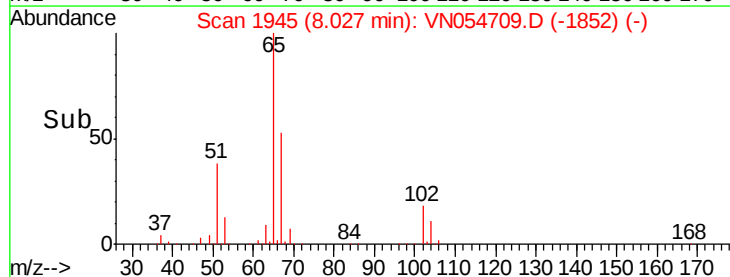
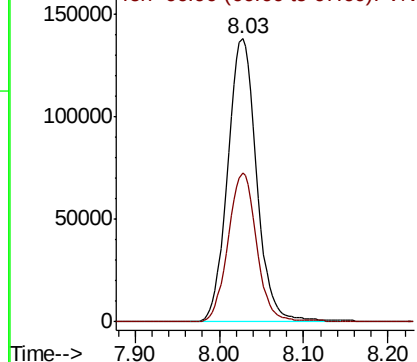
Acq: 27 Mar 2019 9:35

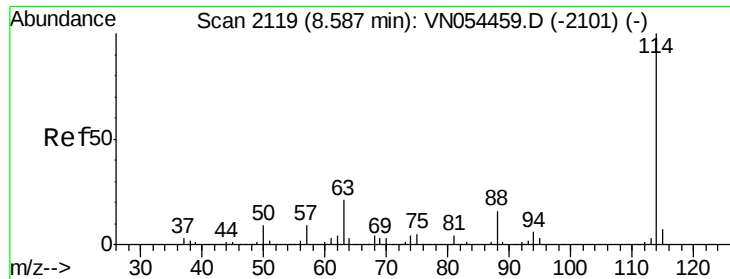
Tgt Ion: 65 Resp: 329401

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

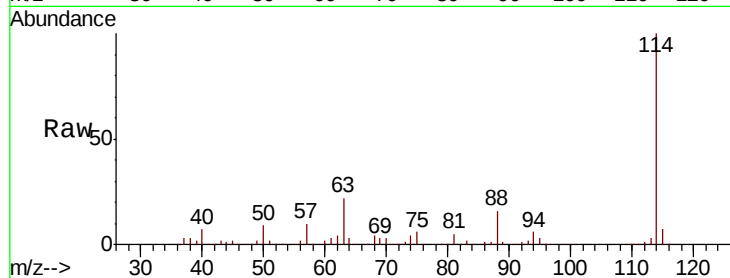




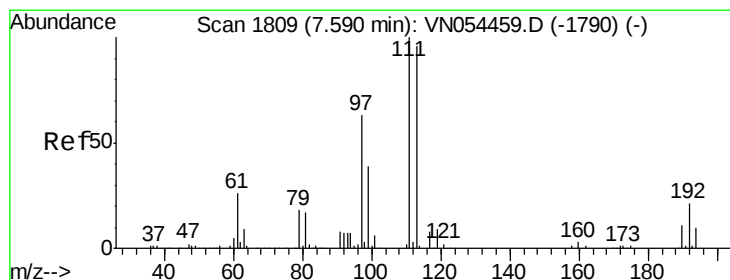
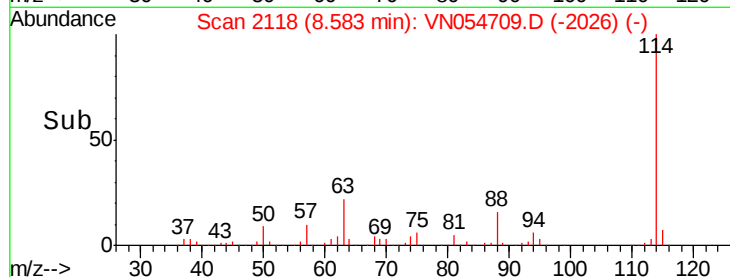
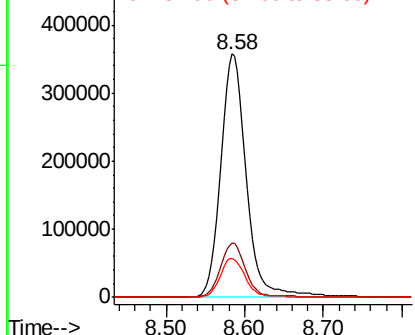
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.2
88	15.8	0.0	30.2

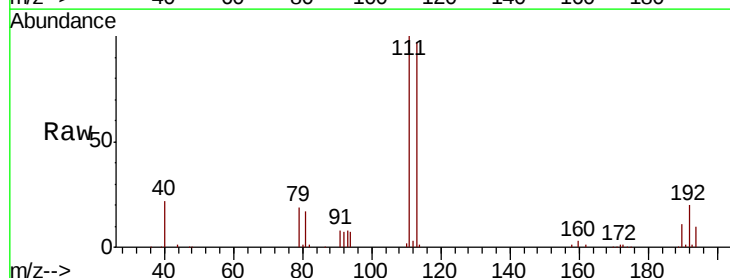


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

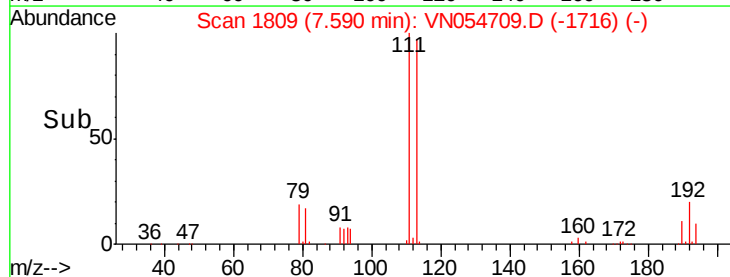
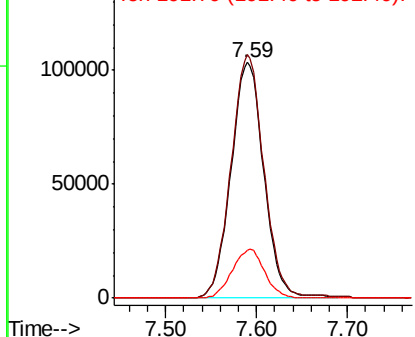


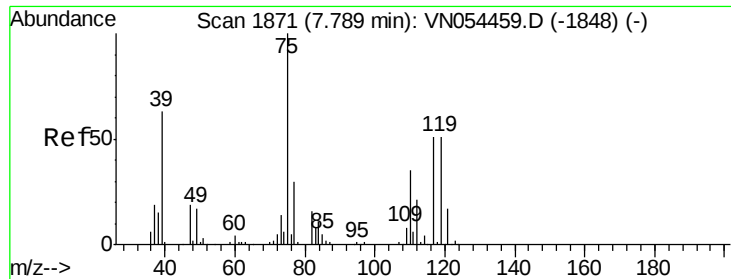
#35
 Dibromofluoromethane
 Concen: 50.338 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	20.6	19.2	28.8



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

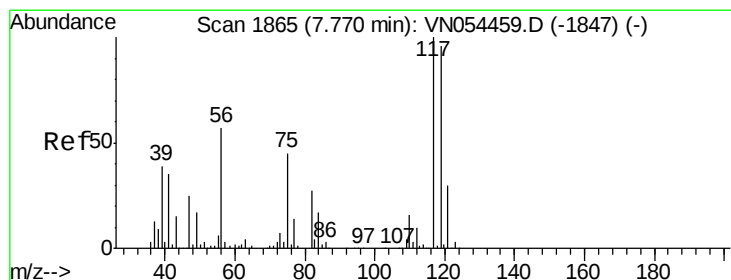
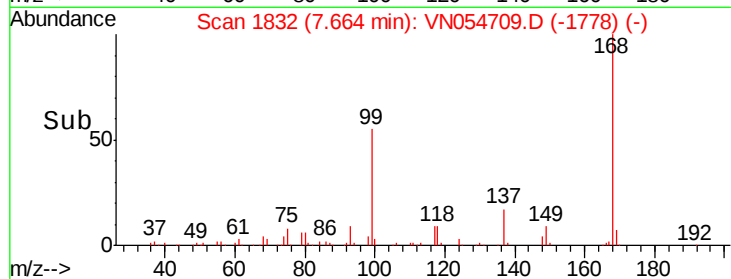
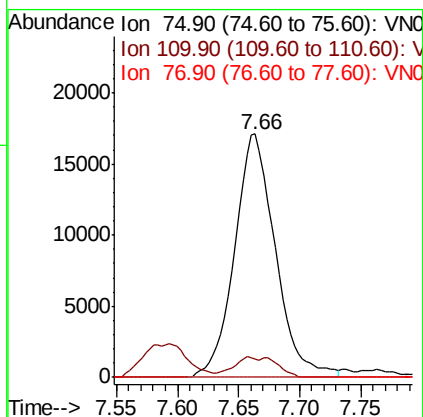
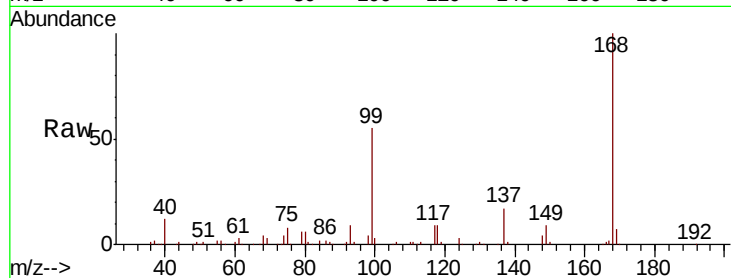




#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

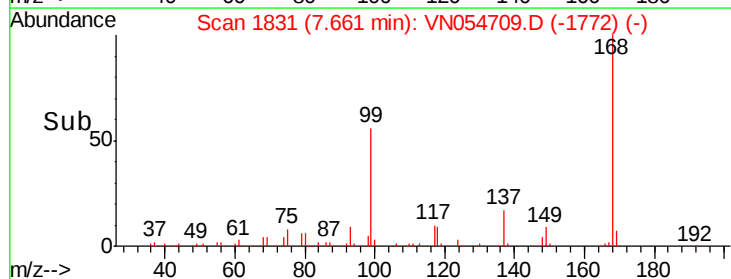
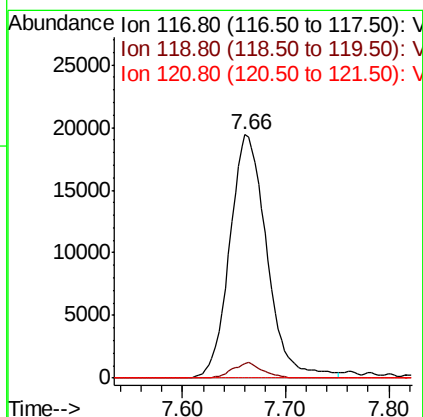
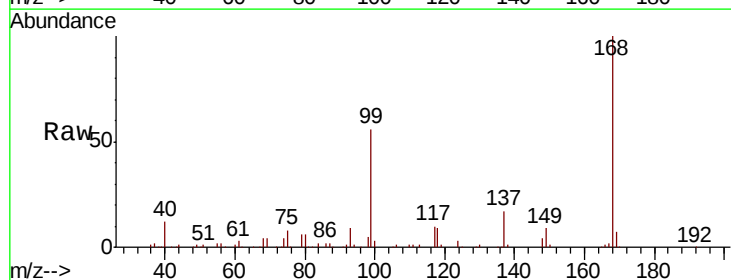
Instrument :
 MSVOA_N
 ClientSampleId :

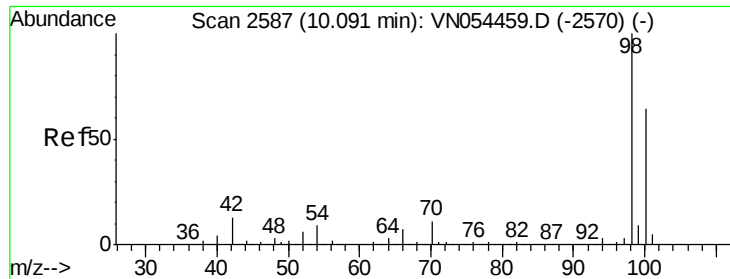
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.3	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.715 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.3	114.5#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 50.030 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

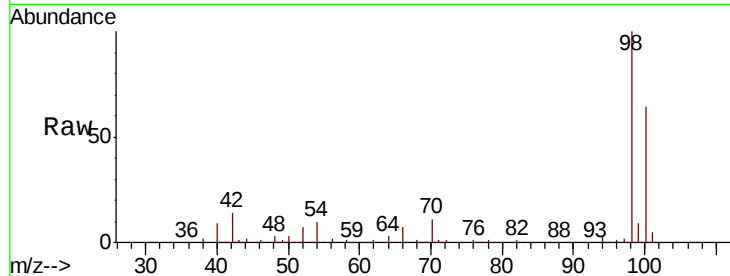
ClientSampled :

Tot Ion: 98 Resp: 969425

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

500000

400000

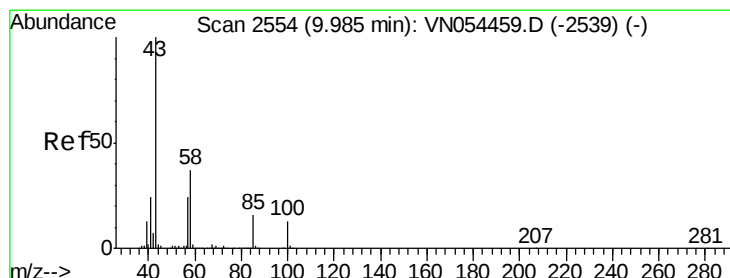
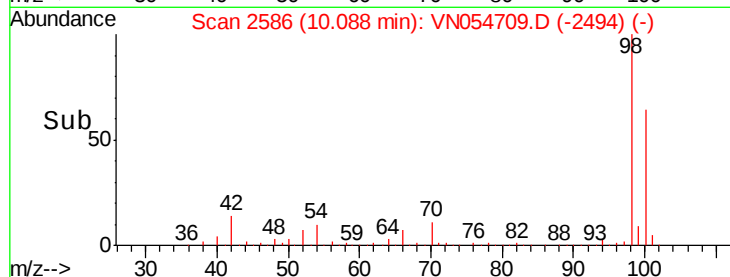
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.389 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054709.D

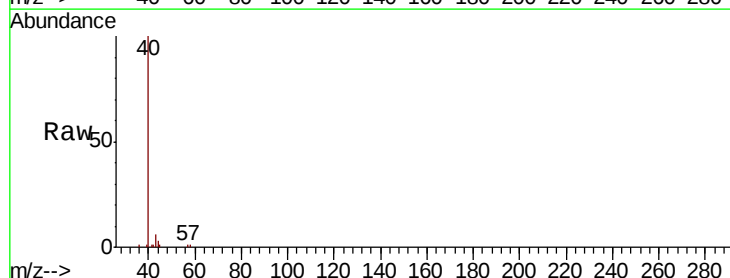
Acq: 27 Mar 2019 9:35

Tgt Ion: 43 Resp: 1936

Ion Ratio Lower Upper

43 100

58 17.6 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

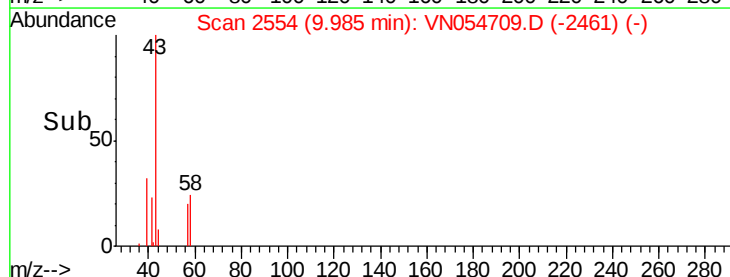
1500

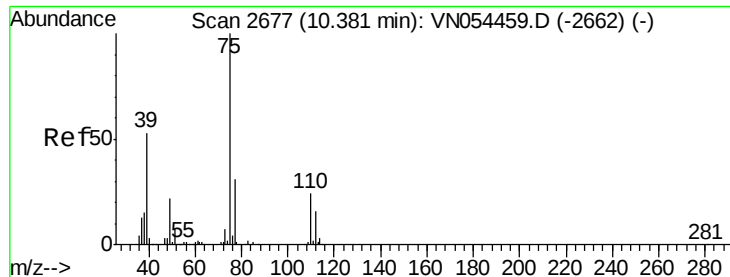
1000

500

0

Time-->

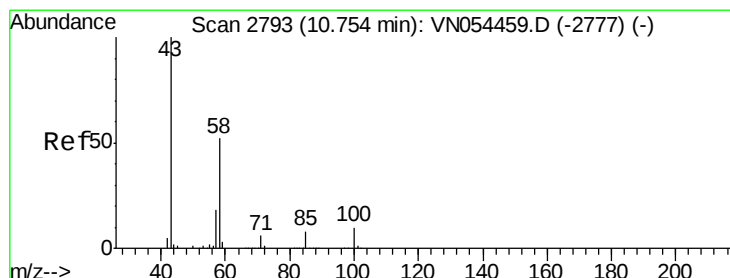
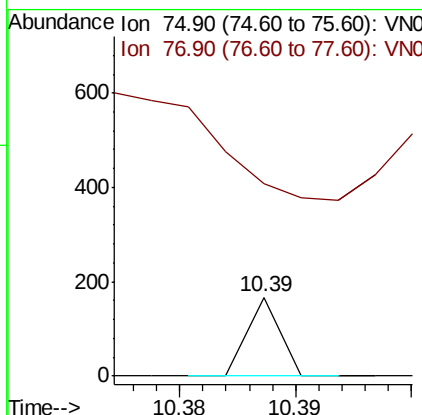
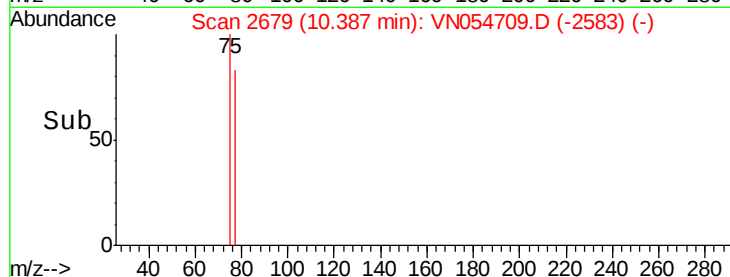
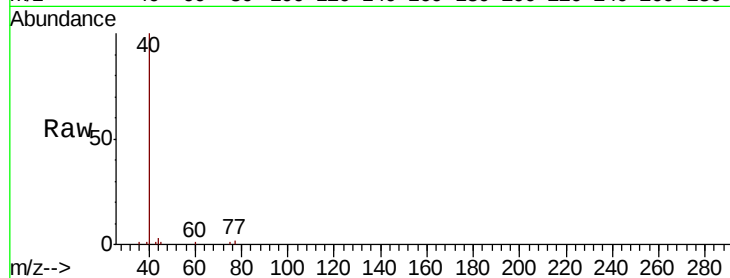




#53
t-1,3-Dichloropropene
Concen: 2.236 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.01 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

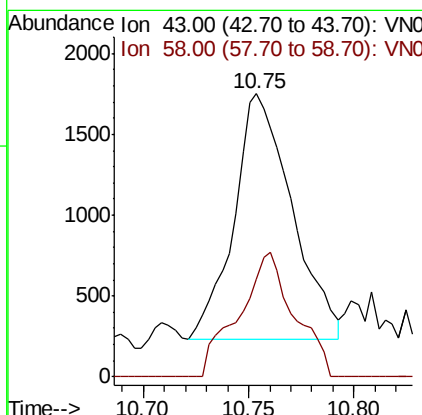
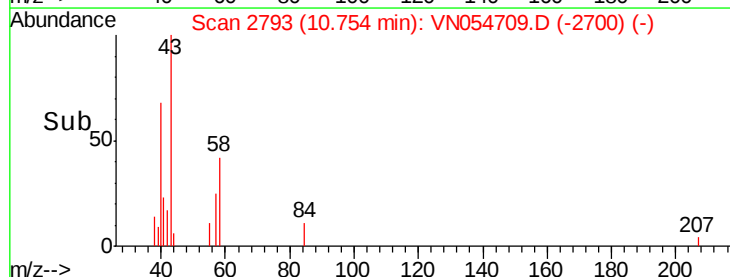
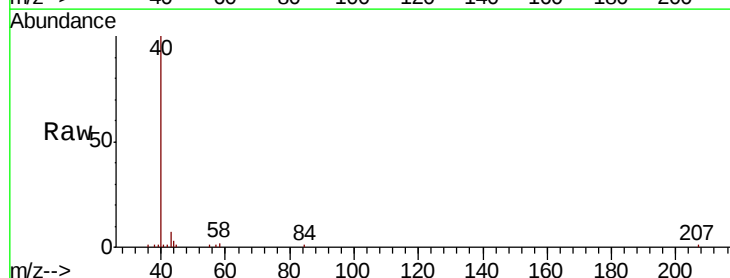
Instrument :
MSVOA_N
ClientSampleId :

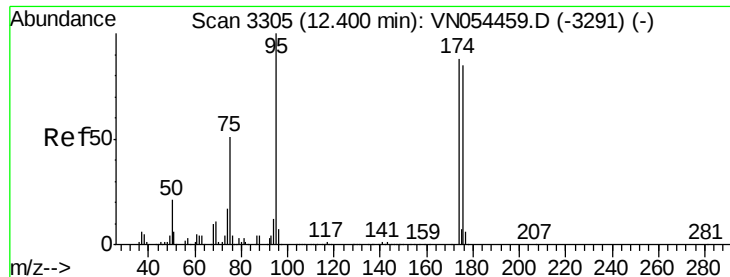
Tot Ion: 75 Resp: 32
Ion Ratio Lower Upper
75 100
77 21.0 25.8 38.8#



#59
2-Hexanone
Concen: 0.890 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
58 48.7 28.0 83.9





#62

4-Bromofluorobenzene

Concen: 44.416 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

ClientSampled :

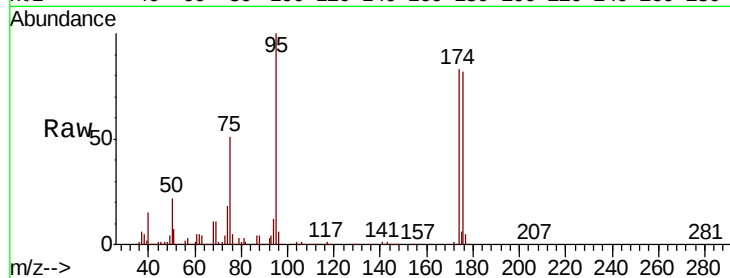
Tot Ion: 95 Resp: 292862

Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

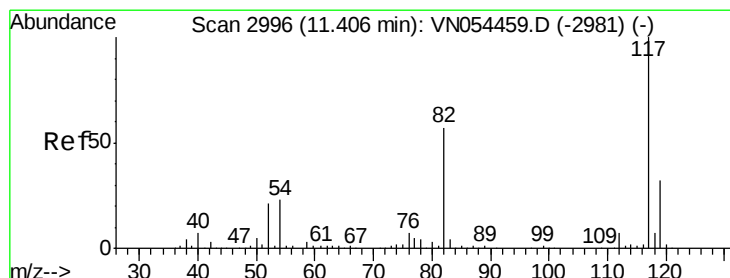
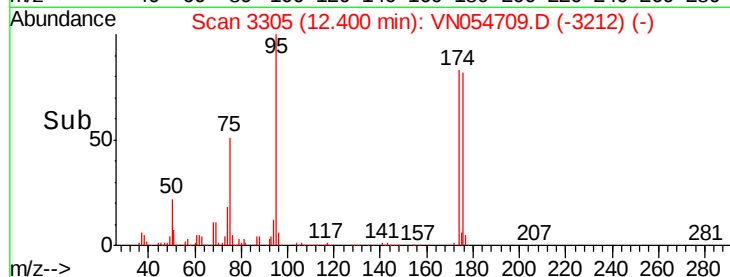
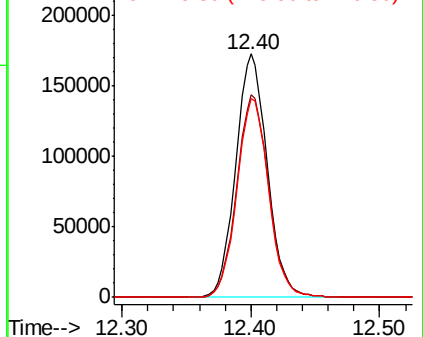
176 82.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054709.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054709.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054709.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

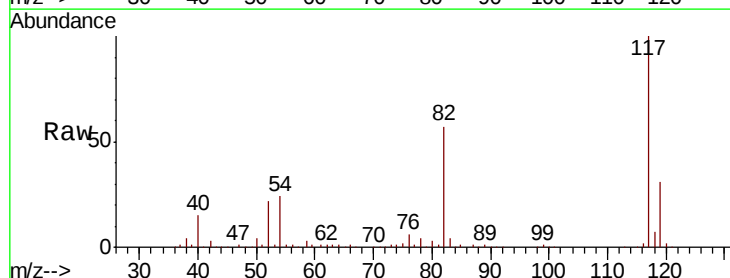
Tgt Ion: 117 Resp: 678929

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

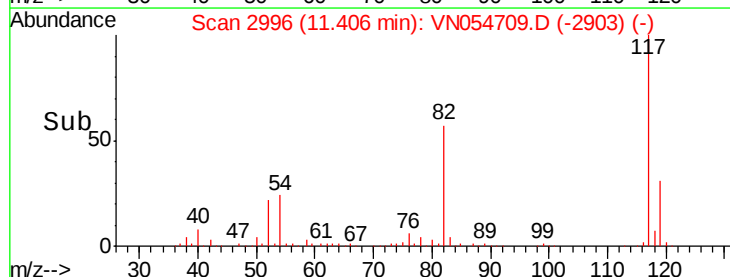
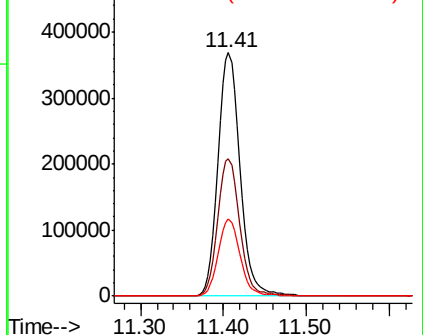
119 31.5 25.8 38.6

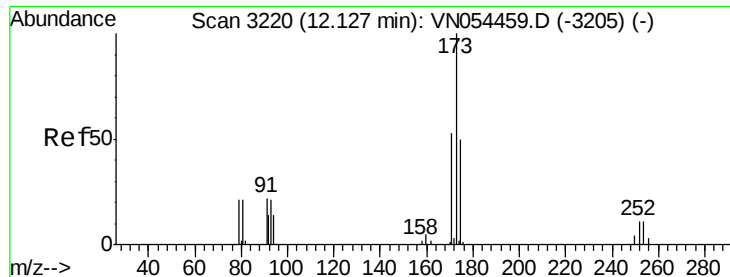


Abundance Ion 116.90 (116.60 to 117.60): VN054709.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054709.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054709.D (-2903) (-)





#71

Bromoform

Concen: 2.327 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

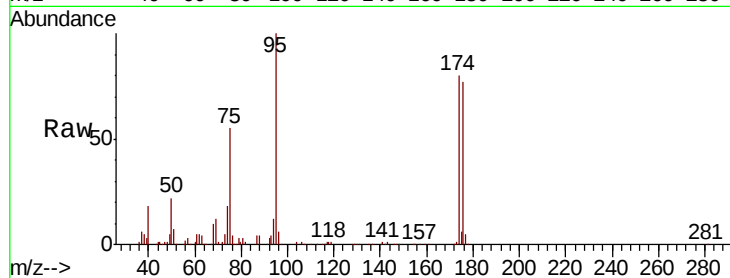
Tot Ion:173 Resp: 380

Ion Ratio Lower Upper

173 100

175 4251.3 24.4 73.2#

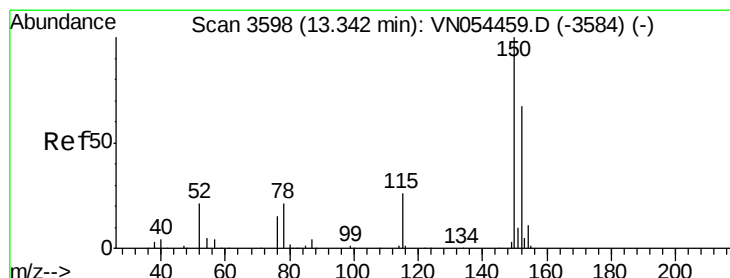
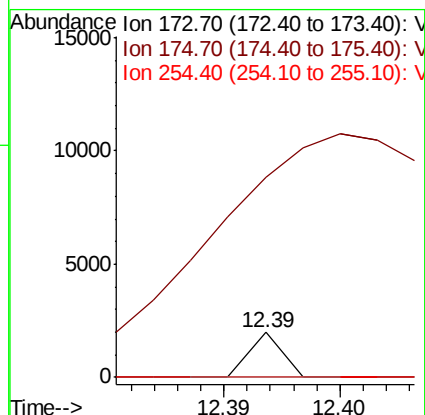
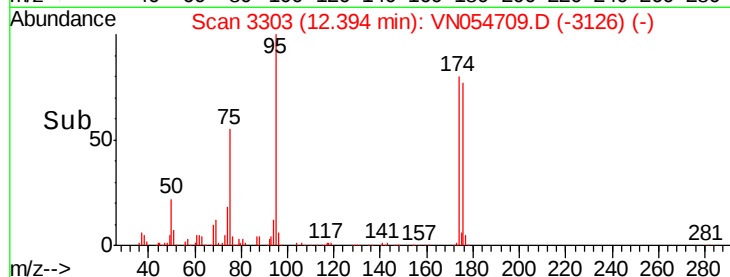
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

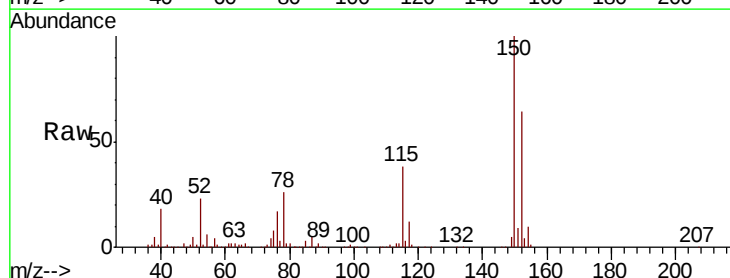
Tgt Ion:152 Resp: 230161

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

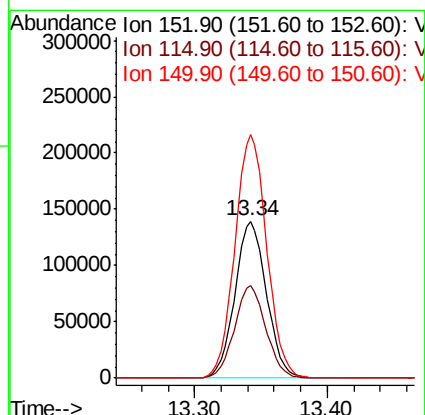
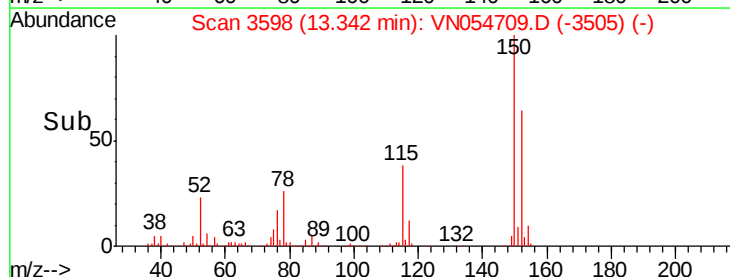
150 156.4 0.0 349.2

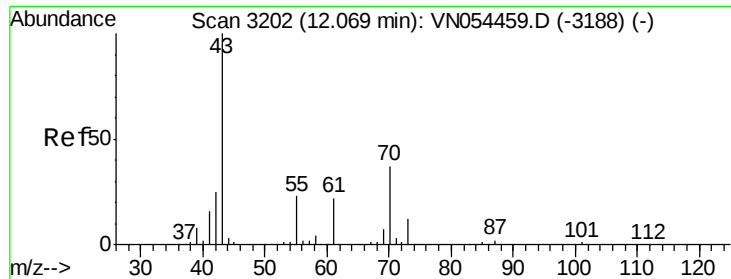


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.504 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2689

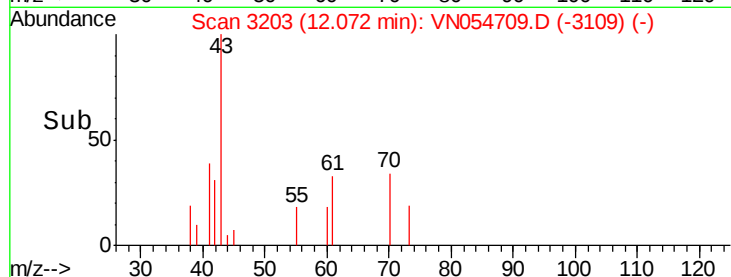
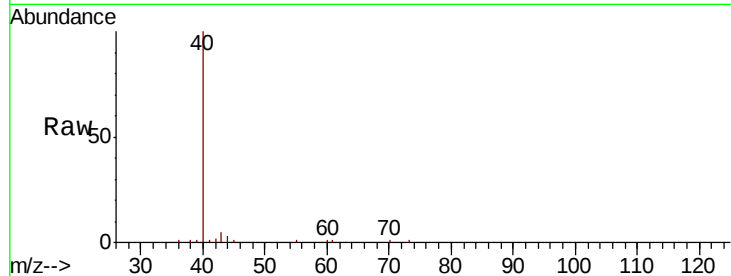
Ion Ratio Lower Upper

43 100

70 15.0 35.4 53.0#

55 3.5 19.8 29.6#

61 16.4 19.8 29.6#

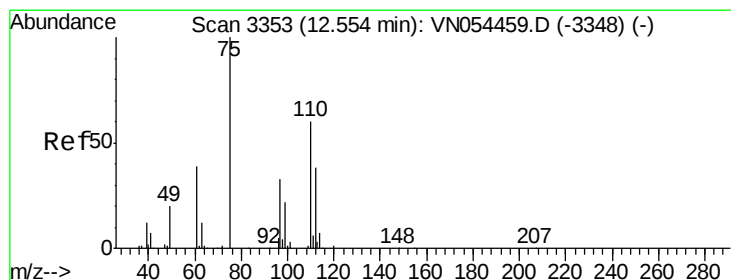
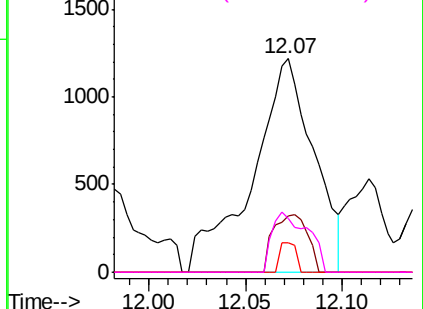


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 41.988 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054709.D

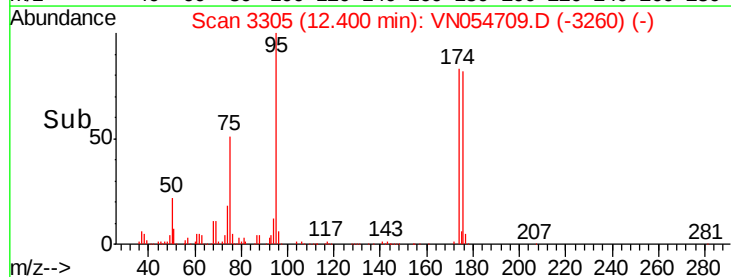
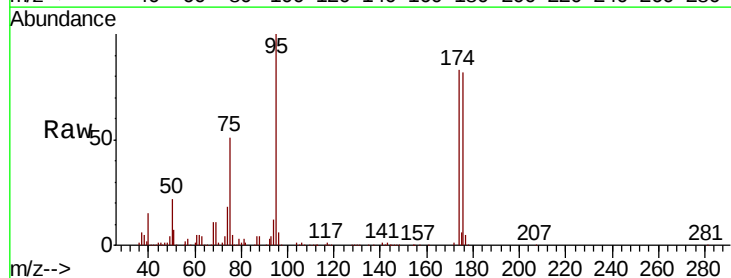
Acq: 27 Mar 2019 9:35

Tgt Ion: 75 Resp: 153354

Ion Ratio Lower Upper

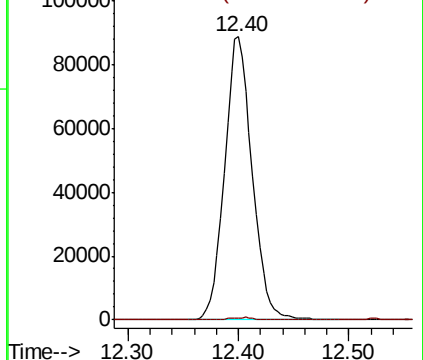
75 100

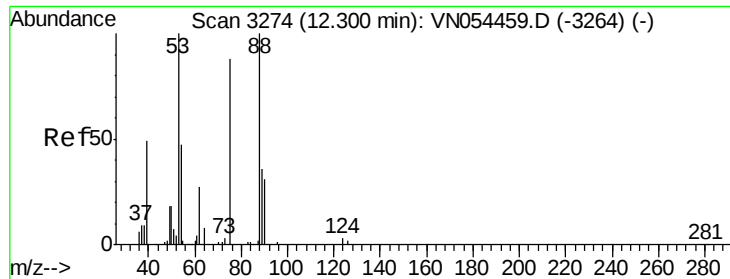
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

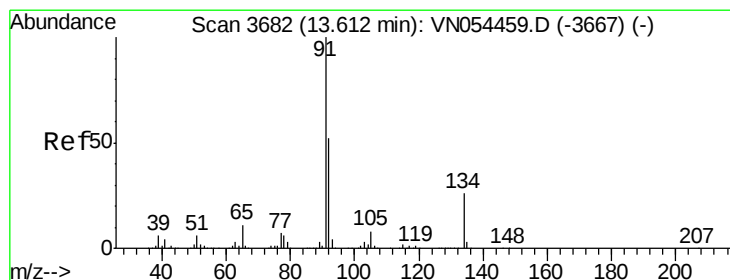
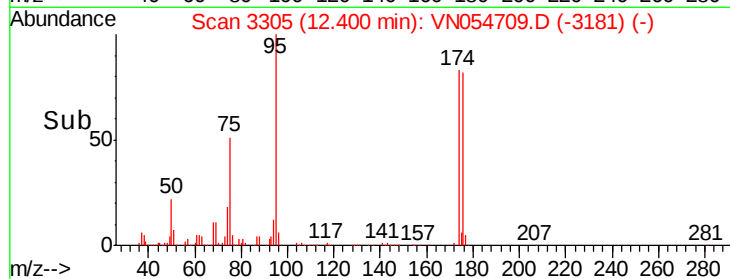
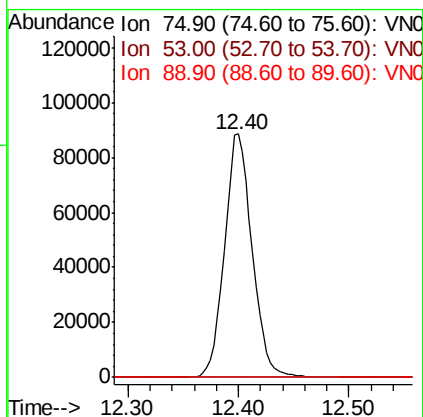
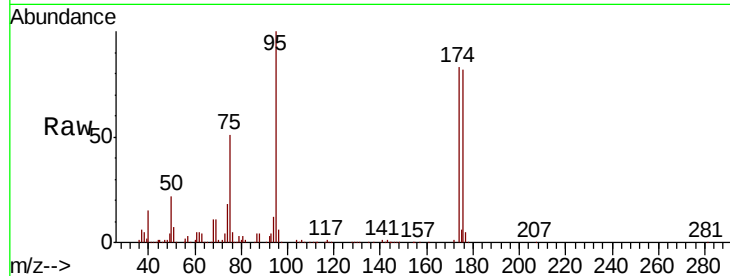




#81
trans-1,4-Dichloro-2-butene
Concen: 138.738 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

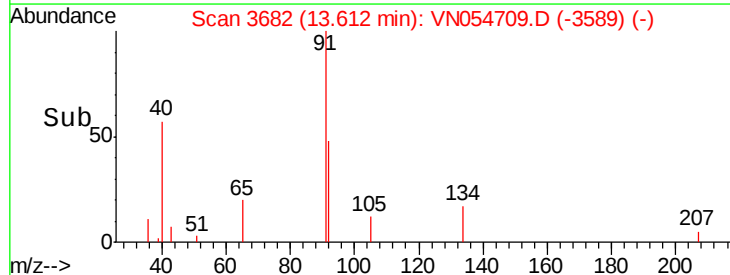
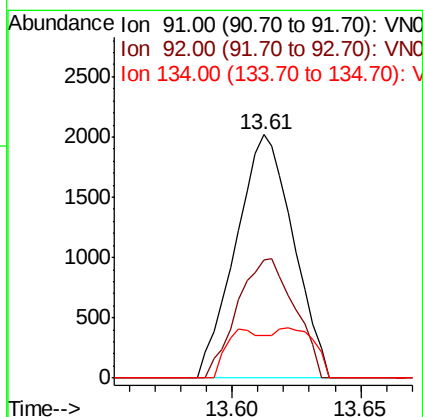
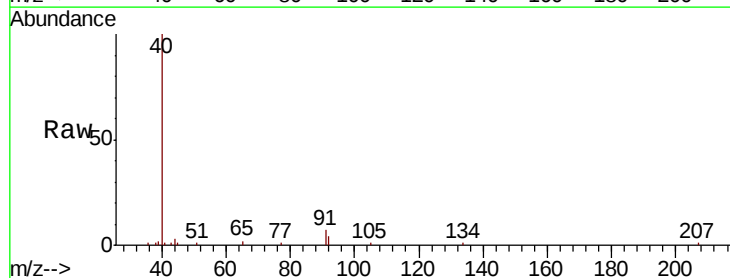
Instrument :
MSVOA_N
ClientSampleId :

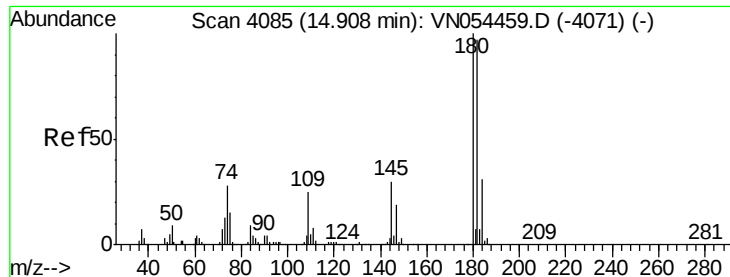
Tot Ion: 75 Resp: 153354
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#89
n-Butylbenzene
Concen: 0.272 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054709.D
Acq: 27 Mar 2019 9:35

Tgt Ion: 91 Resp: 3136
Ion Ratio Lower Upper
91 100
92 48.8 26.2 78.6
134 12.6 14.3 42.9#

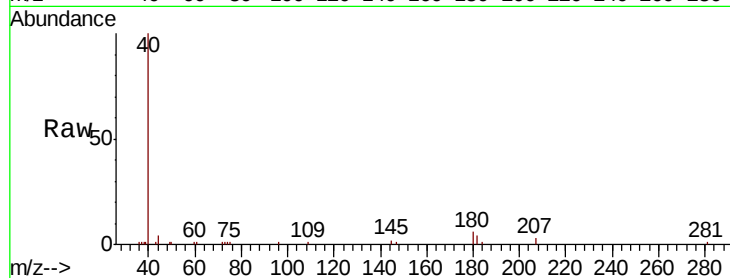




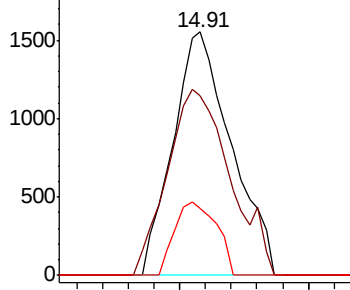
#93
 1,2,4-Trichlorobenzene
 Concen: 0.665 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

Instrument :
 MSVOA_N
 ClientSampled :

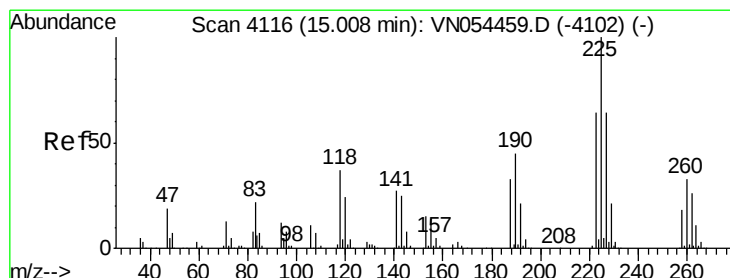
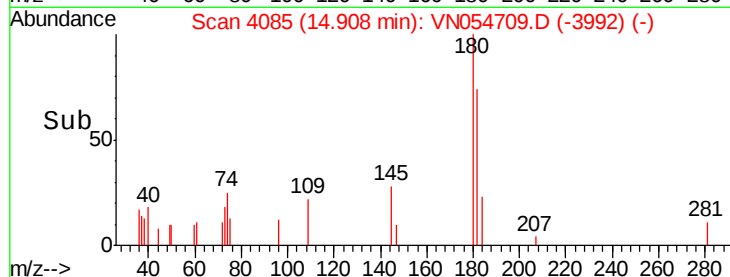
Tot Ion:180 Resp: 2446
 Ion Ratio Lower Upper
 180 100
 182 82.2 48.0 144.2
 145 21.7 14.2 42.8



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

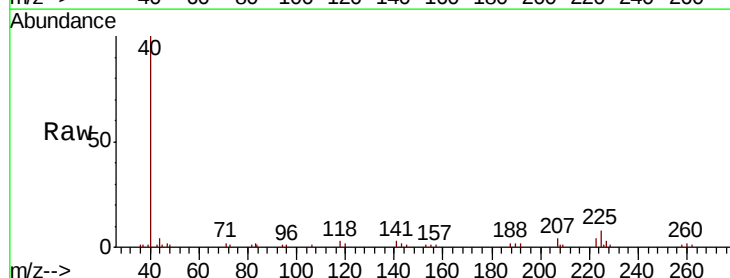


Time-->

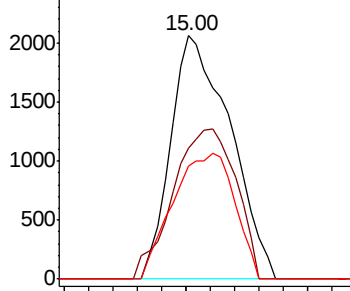


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN054709.D
 Acq: 27 Mar 2019 9:35

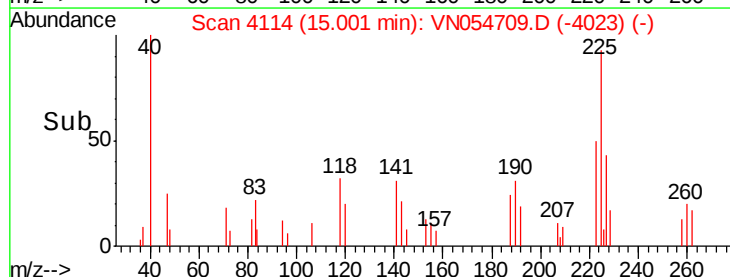
Tgt Ion:225 Resp: 3502
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.1 93.5
 227 53.5 31.9 95.9

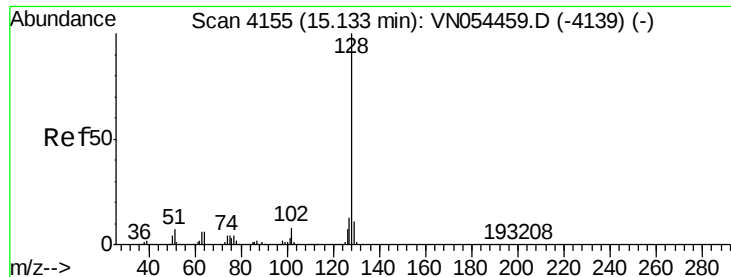


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.856 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

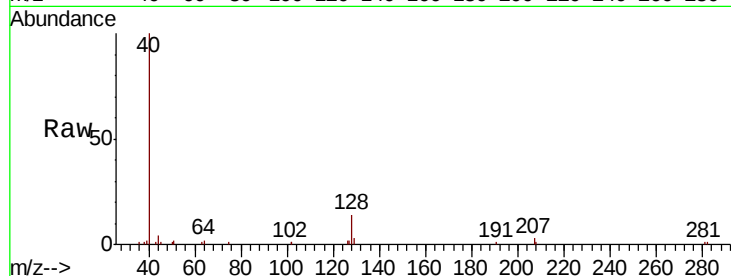
Tot Ion:128 Resp: 7024

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

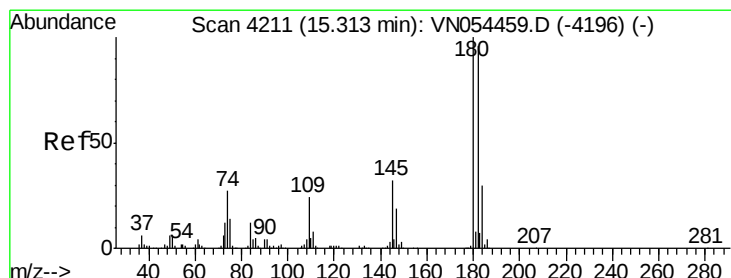
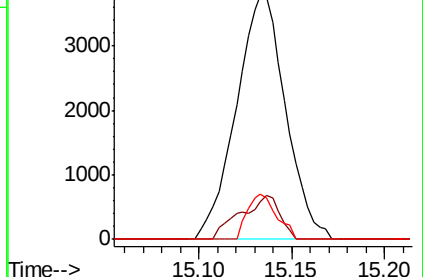
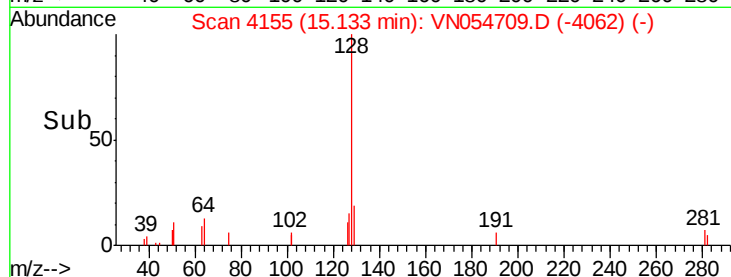
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.838 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN054709.D

Acq: 27 Mar 2019 9:35

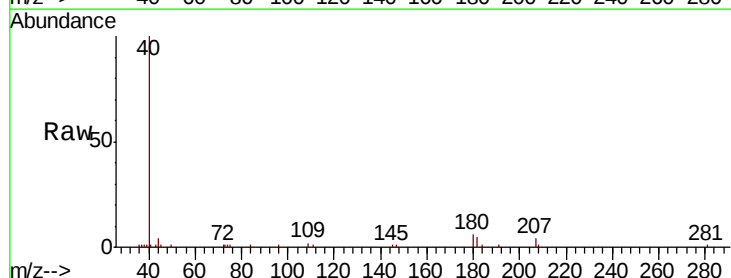
Tgt Ion:180 Resp: 3071

Ion Ratio Lower Upper

180 100

182 87.7 47.5 142.6

145 23.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

