

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058739.D
 Acq On : 12 Oct 2019 5:56
 Operator : JC/SP
 Sample : K5292-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 07:02:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	630969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240880	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	291156	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	7.57	113	106271	27.27	ug/l	0.00
Spiked Amount			Recovery	=	54.54%	
50) Toluene-d8	10.09	98	797492	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	268941	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

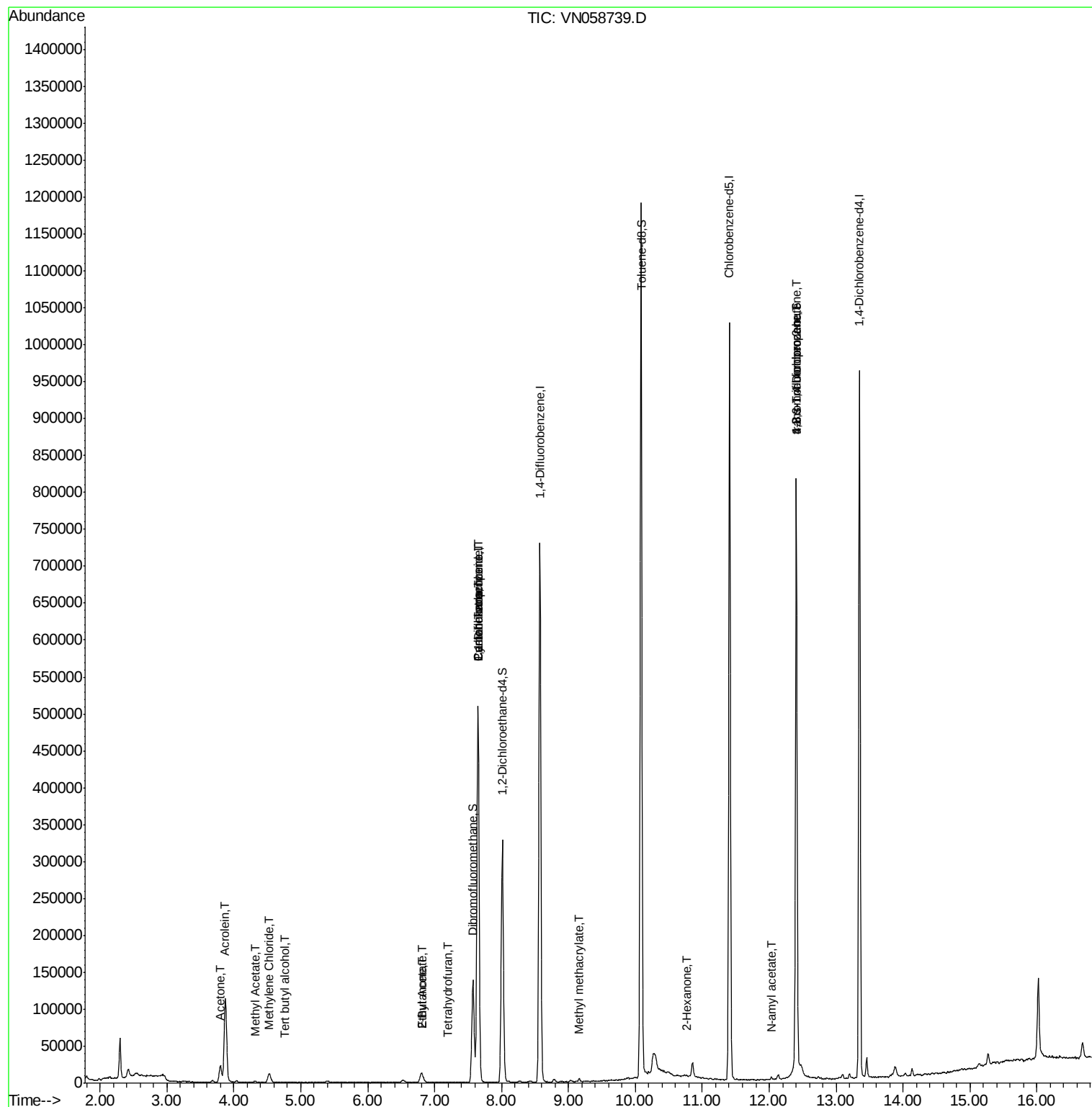
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	201	0.222	ug/l #	72
13) Acrolein	3.86	56	208	0.286	ug/l #	14
16) Acetone	3.80	43	40821	17.672	ug/l	100
18) Methyl Acetate	4.32	43	3472	0.593	ug/l #	80
20) Methylene Chloride	4.53	84	8909	1.845	ug/l	97
25) 2-Butanone	6.82	43	7960	2.384	ug/l	92
29) Tetrahydrofuran	7.20	42	583	0.270	ug/l #	35
31) Cyclohexane	7.65	56	9340	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32860	5.151	ug/l #	51
37) Ethyl Acetate	6.82	43	7960	1.234	ug/l #	70
38) Carbon Tetrachloride	7.65	117	41180	6.623	ug/l #	17
48) Methyl methacrylate	9.16	41	1591	0.319	ug/l #	40
59) 2-Hexanone	10.75	43	1482	0.311	ug/l	77
74) N-amyl acetate	12.03	43	2941	0.375	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	146706	27.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146706	74.367	ug/l #	11

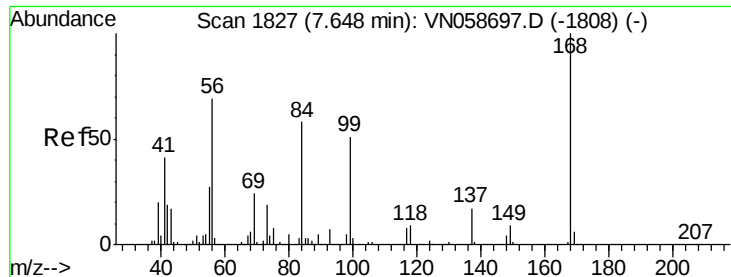
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

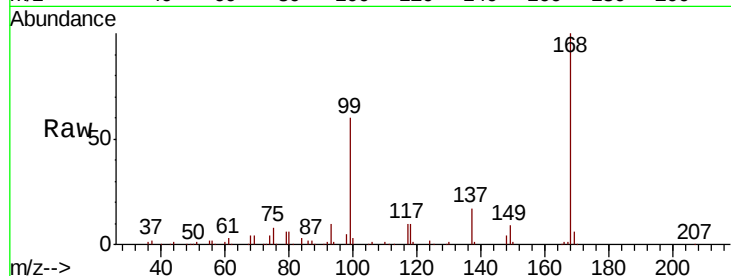
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 398550

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

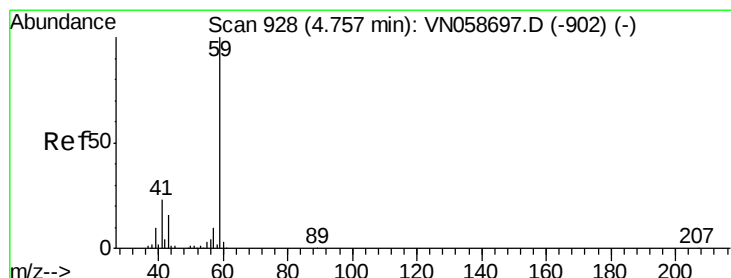
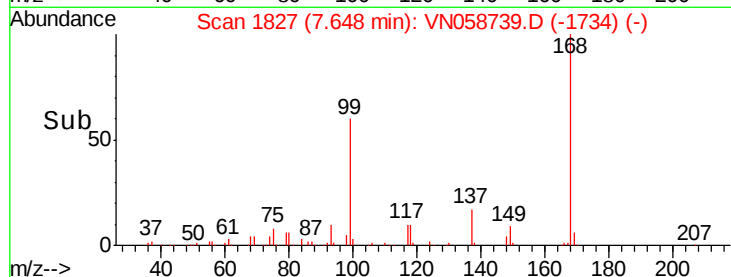
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN058739.D

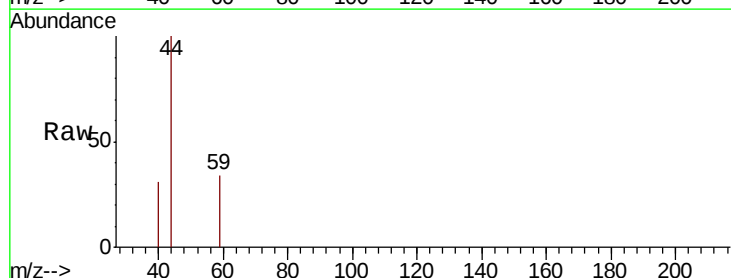
Acq: 12 Oct 2019 5:56

Tgt Ion: 59 Resp: 201

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

250

200

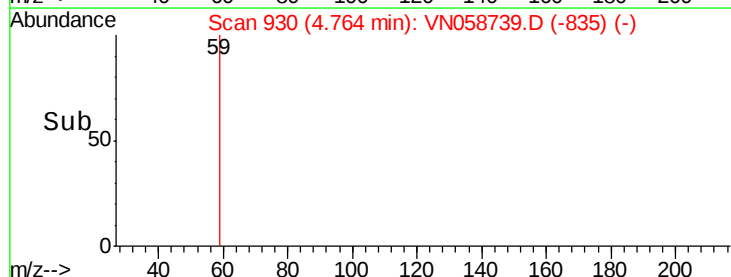
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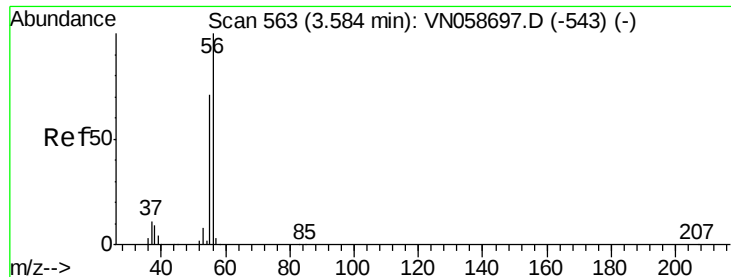
100

50

0

Time-->





#13

Acrolein

Concen: 0.286 ug/l

RT: 3.86 min Scan# 649

Delta R.T. 0.28 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

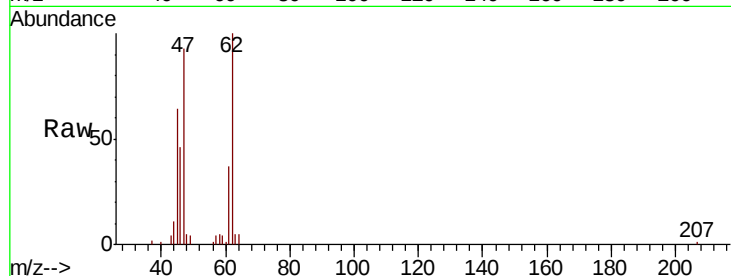
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.86

250

200

150

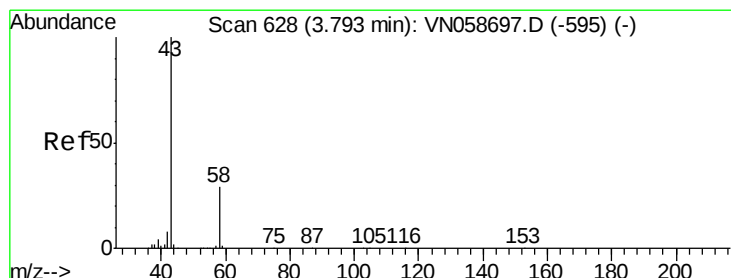
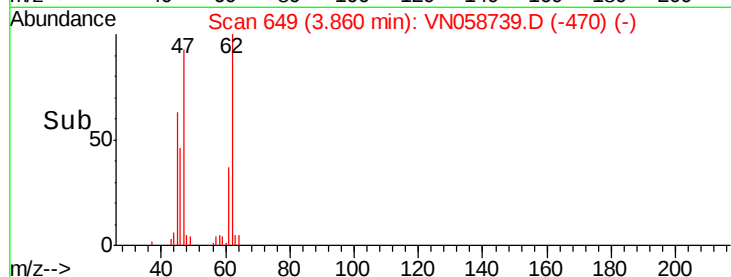
100

50

0

Time-->

3.84 3.85 3.86 3.87



#16

Acetone

Concen: 17.672 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058739.D

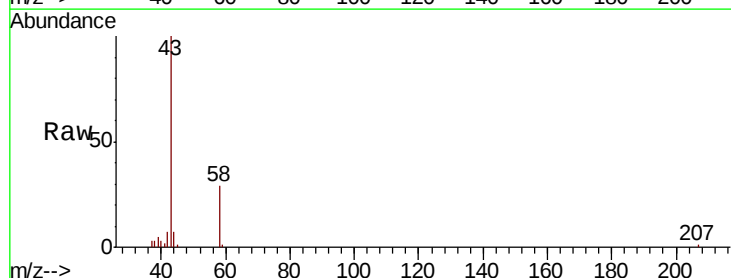
Acq: 12 Oct 2019 5:56

Tgt Ion: 43 Resp: 40821

Ion Ratio Lower Upper

43 100

58 29.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

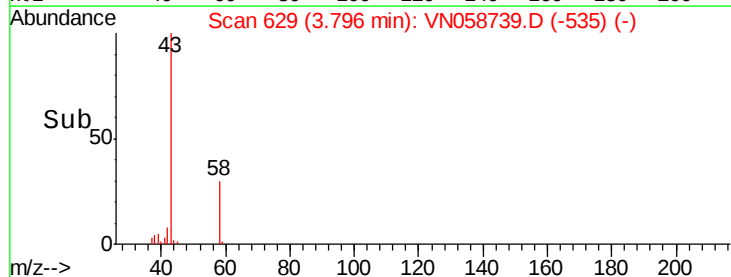
10000

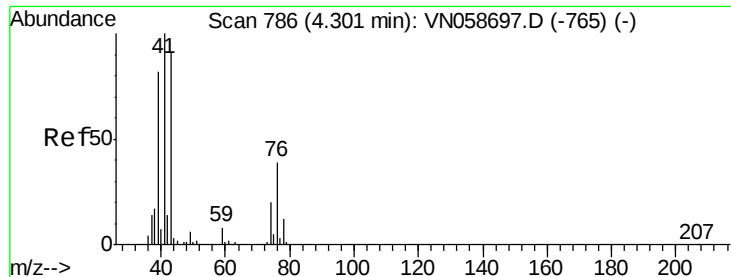
5000

0

Time-->

3.70 3.75 3.80 3.85 3.90

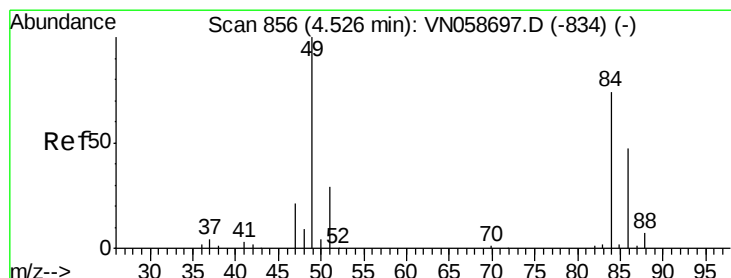
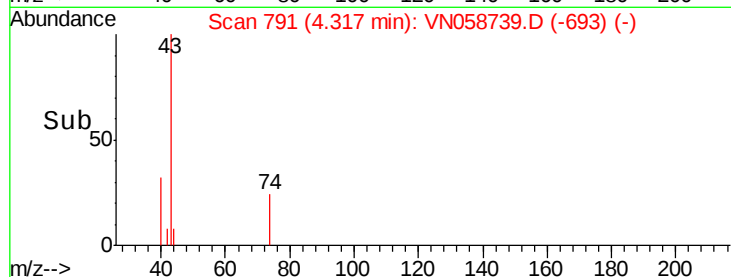
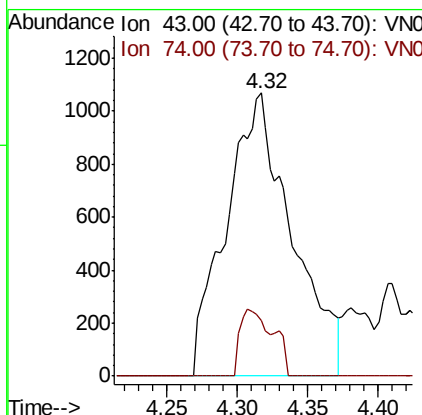
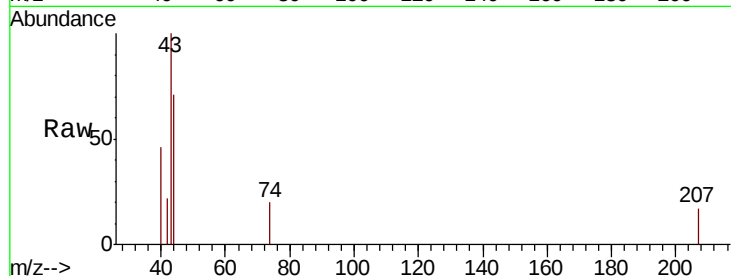




#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058739.D
Acq: 12 Oct 2019 5:56

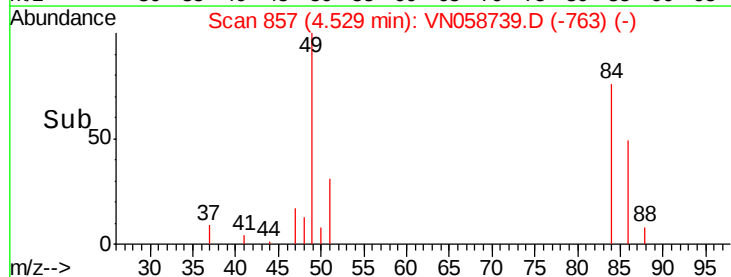
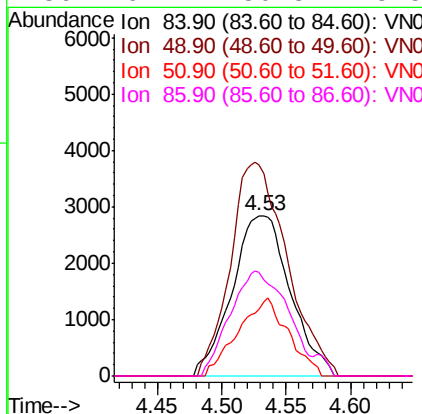
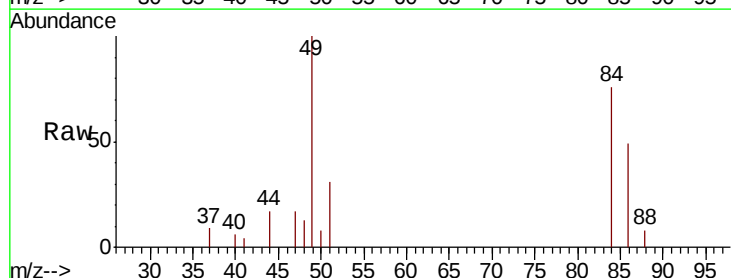
Instrument :
MSVOA_N
ClientSampleId :

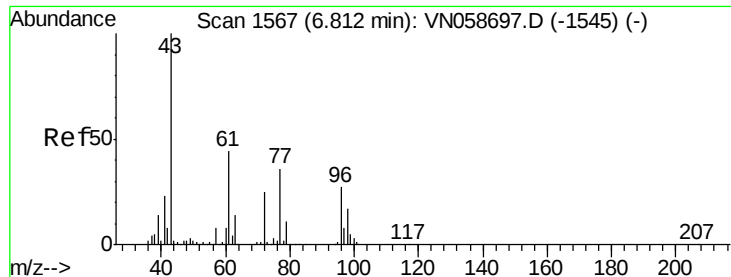
Tot Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 11.9 17.2 25.8#



#20
Methylene Chloride
Concen: 1.845 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058739.D
Acq: 12 Oct 2019 5:56

Tgt Ion: 84 Resp: 8909
Ion Ratio Lower Upper
84 100
49 131.8 107.6 161.4
51 41.4 31.4 47.0
86 64.7 50.3 75.5

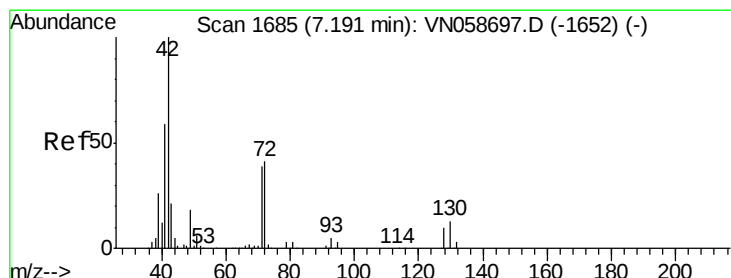
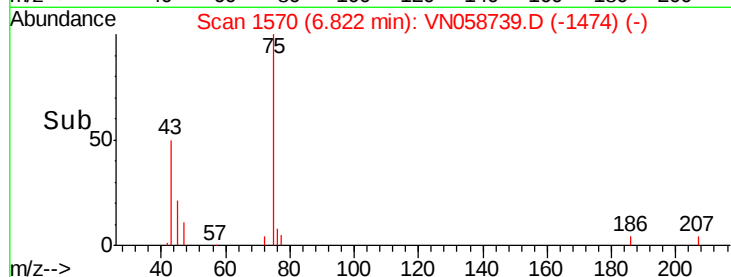
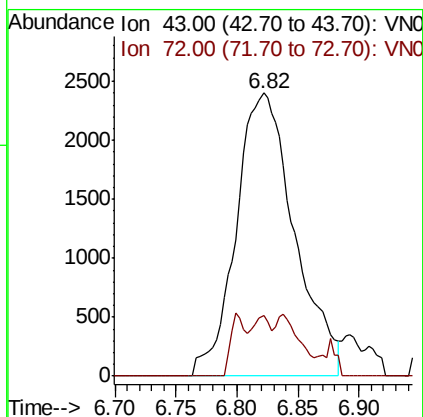
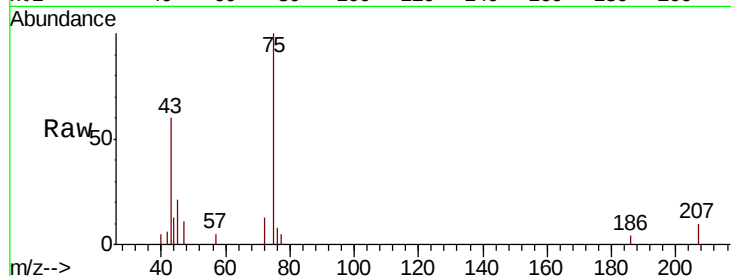




#25
 2-Butanone
 Concen: 2.384 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

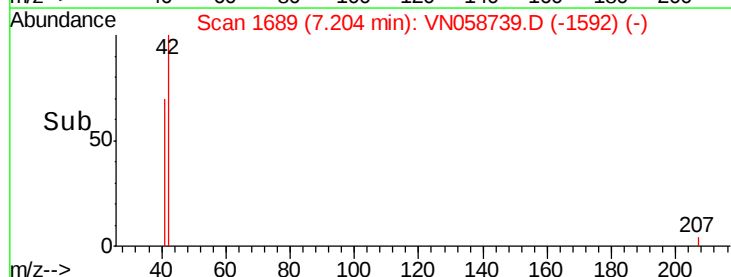
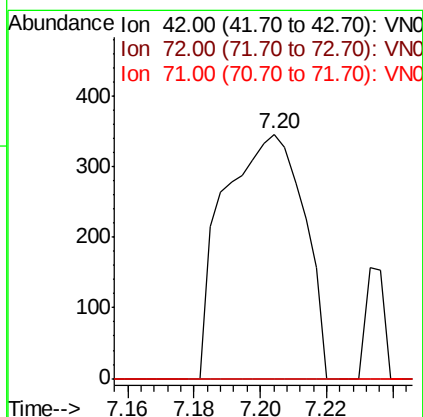
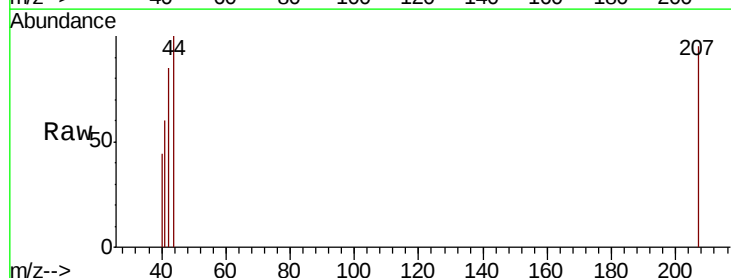
Instrument :
 MSVOA_N
 ClientSampled :

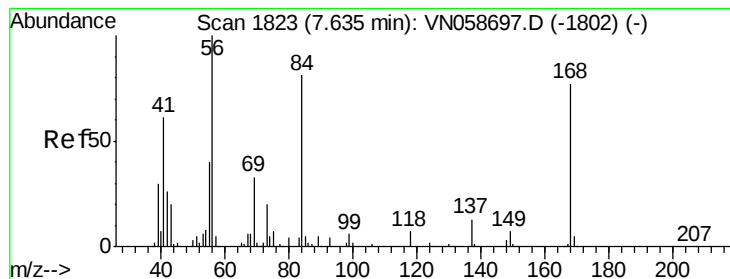
Tot Ion: 43 Resp: 7960
 Ion Ratio Lower Upper
 43 100
 72 21.4 20.2 30.2



#29
 Tetrahydrofuran
 Concen: 0.270 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Tgt Ion: 42 Resp: 583
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.8 49.2#
 71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

Instrument :
MSVOA_N
ClientSampled :

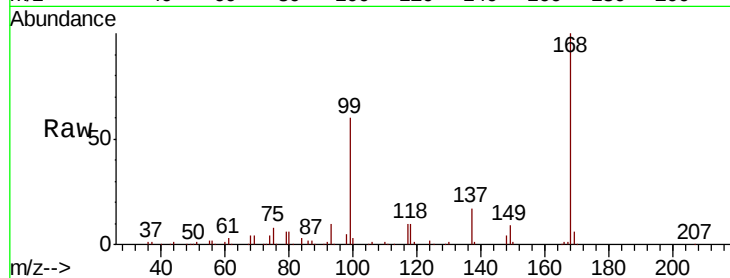
Tot Ion: 56 Resp: 9340

Ion Ratio Lower Upper

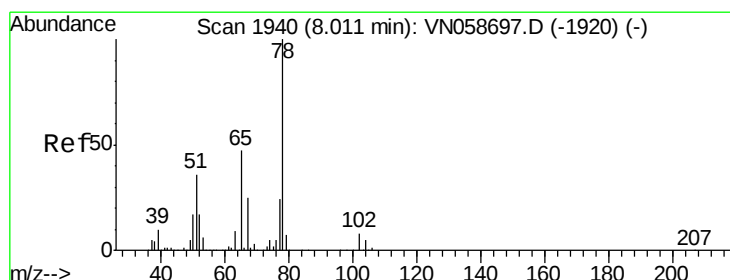
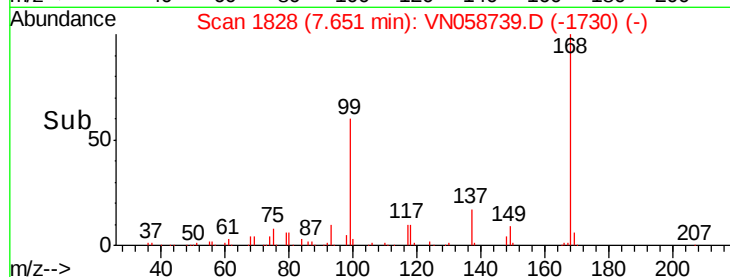
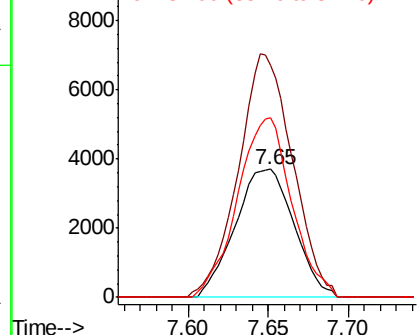
56 100

69 180.7 26.2 39.4#

84 140.2 64.9 97.3#



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



#33

1,2-Dichloroethane-d4

Concen: 52.182 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058739.D

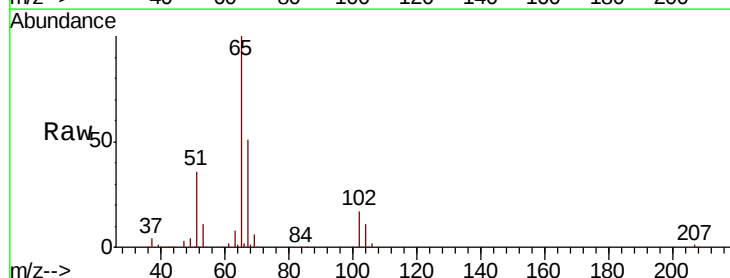
Acq: 12 Oct 2019 5:56

Tgt Ion: 65 Resp: 291156

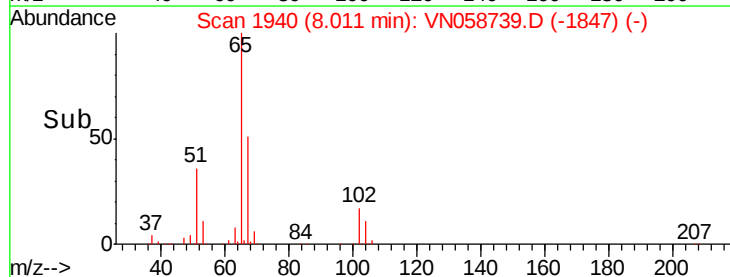
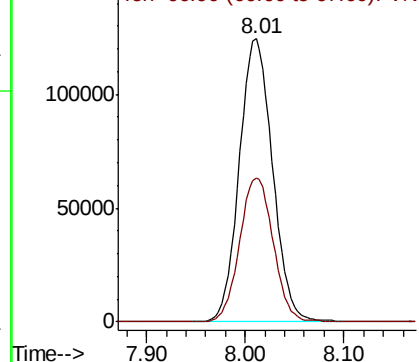
Ion Ratio Lower Upper

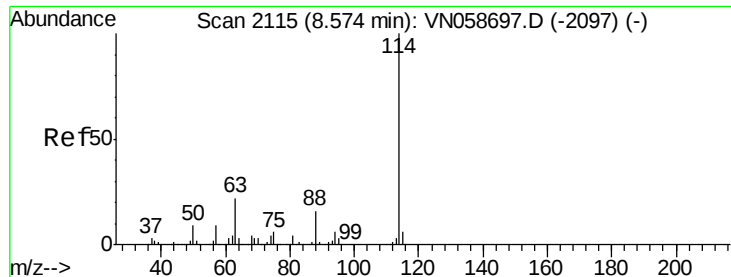
65 100

67 51.5 0.0 103.8



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

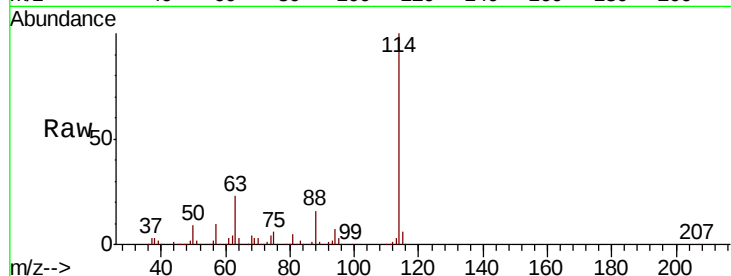




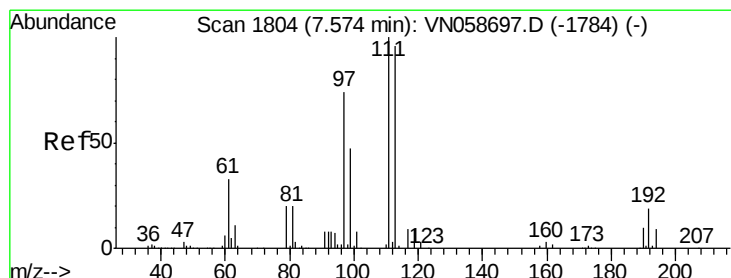
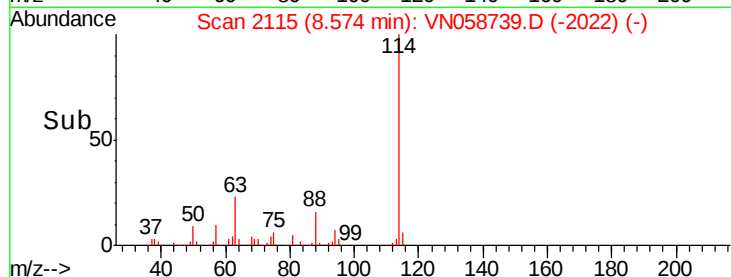
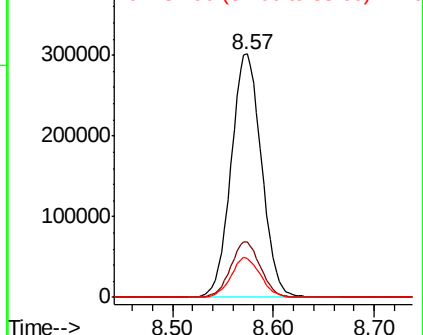
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.8
88	16.2	0.0	32.0

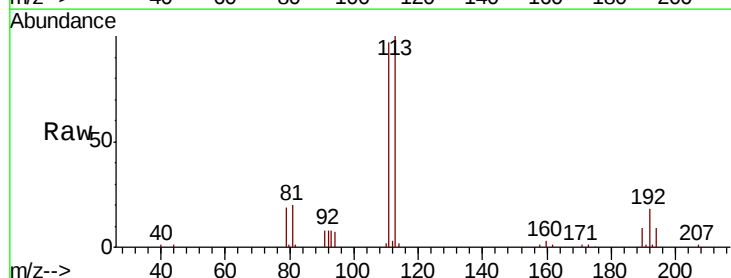


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

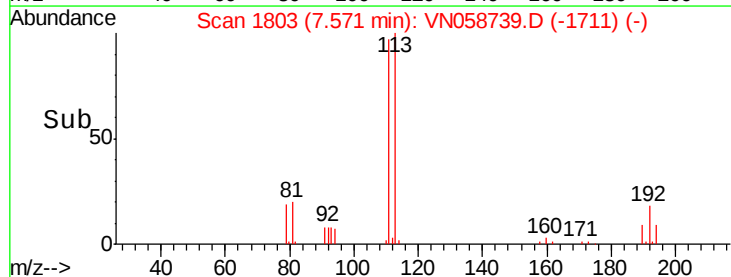
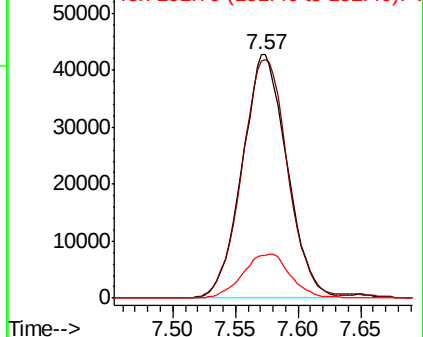


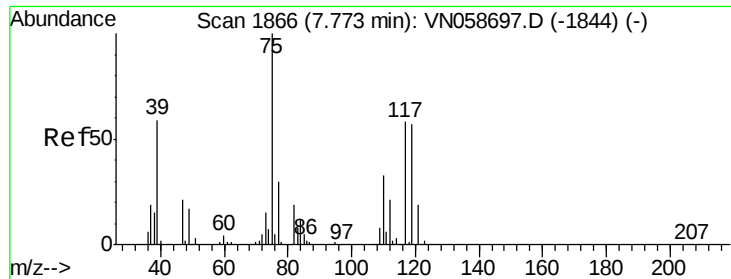
#35
 Dibromofluoromethane
 Concen: 27.267 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.3	123.5
192	19.2	15.0	22.6



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

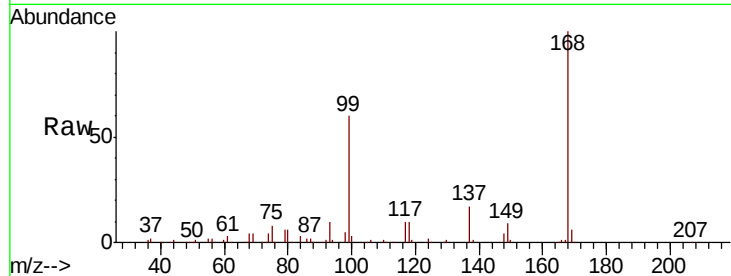




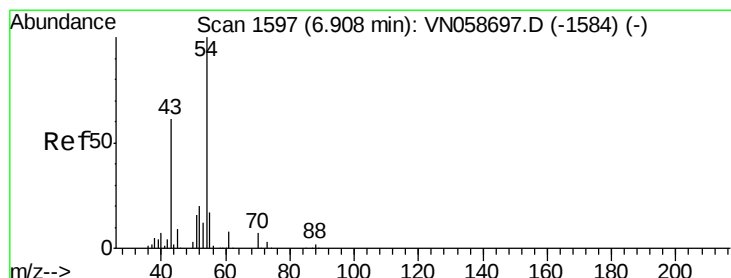
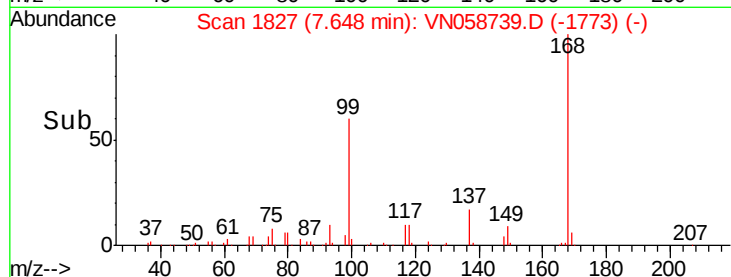
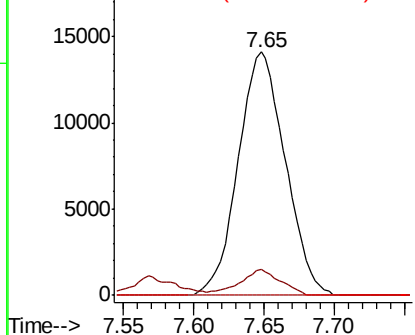
#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.6	49.8#
77	0.0	24.6	37.0#

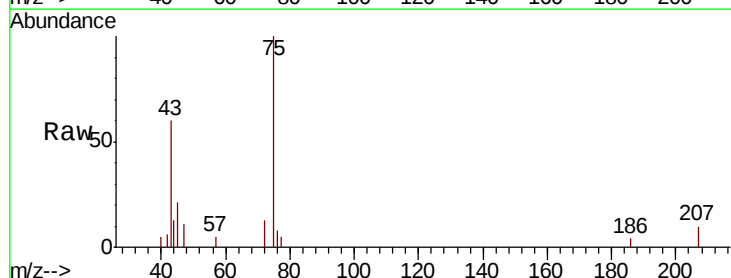


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

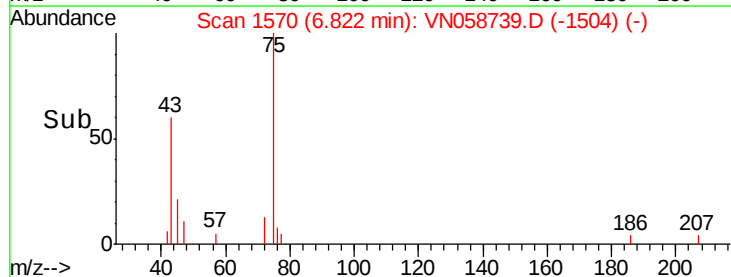
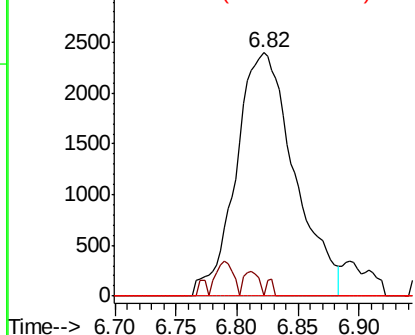


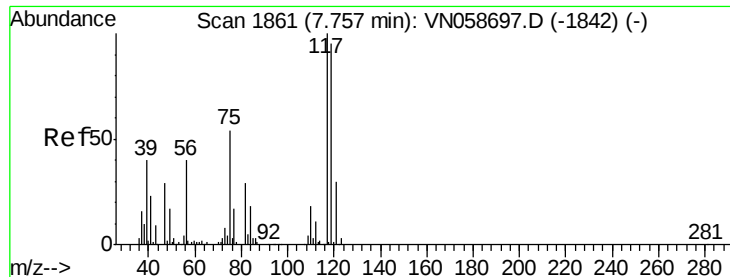
#37
 Ethyl Acetate
 Concen: 1.234 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.09 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.8	11.3	16.9#
70	0.0	7.2	10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

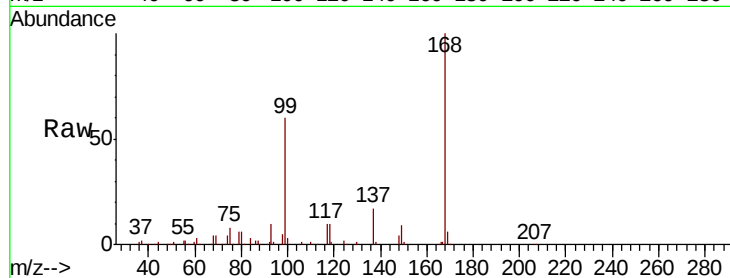




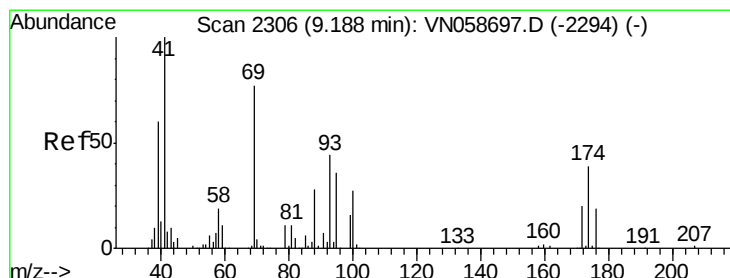
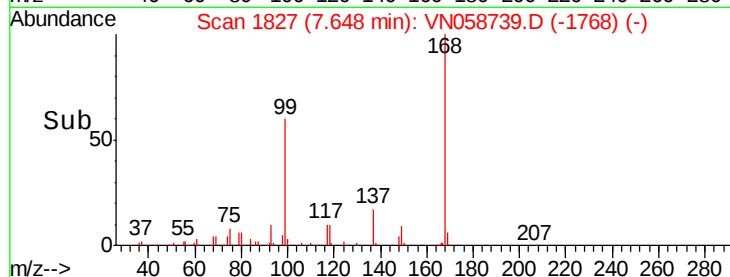
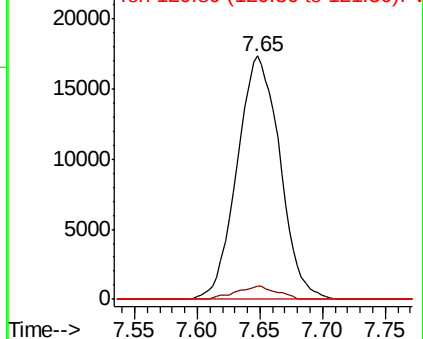
#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058739.D
Acq: 12 Oct 2019 5:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 41180
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 23.9 35.9#

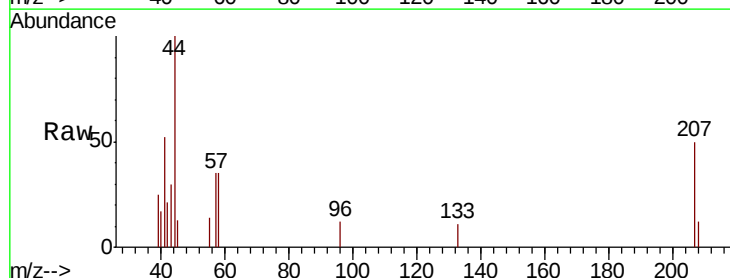


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

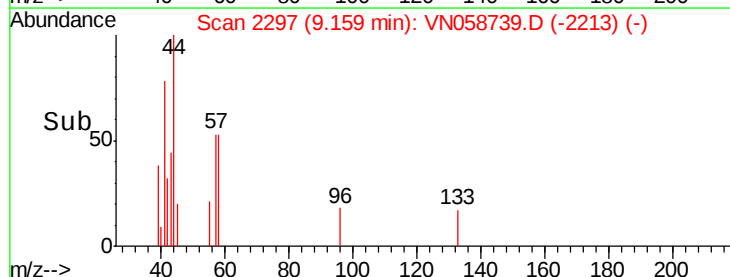
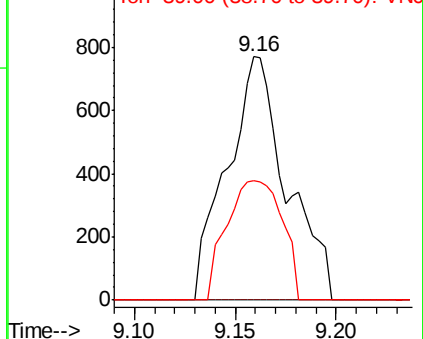


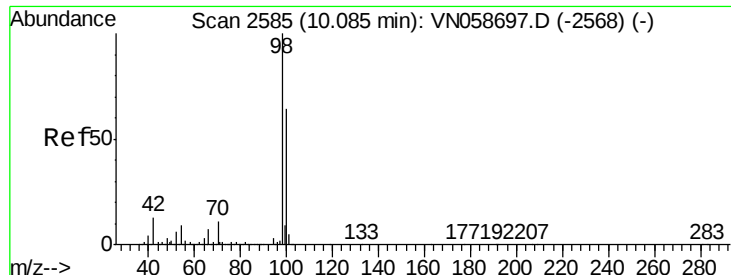
#48
Methyl methacrylate
Concen: 0.319 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.03 min
Lab File: VN058739.D
Acq: 12 Oct 2019 5:56

Tgt Ion: 41 Resp: 1591
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 45.8 48.9 73.3#



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





#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

Instrument :

MSVOA_N

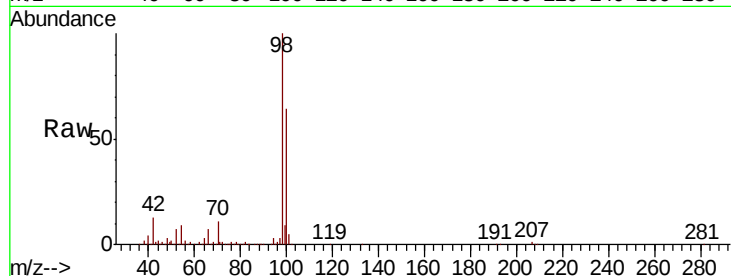
ClientSampled :

Tot Ion: 98 Resp: 797492

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

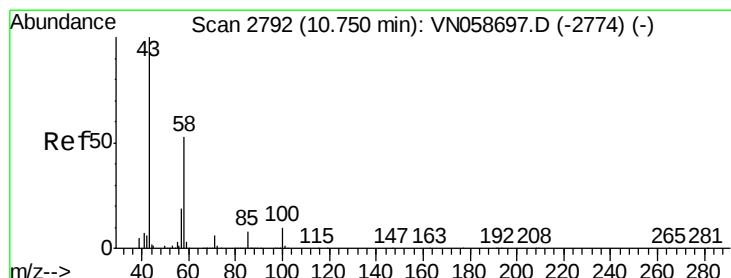
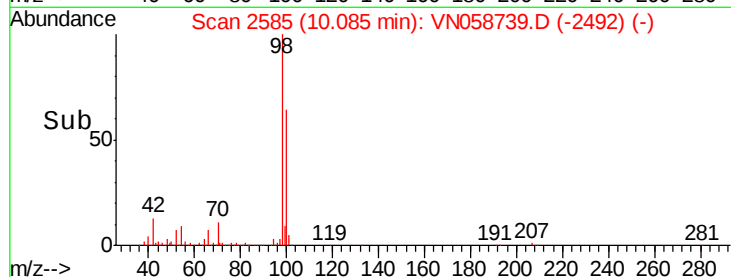
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 0.311 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058739.D

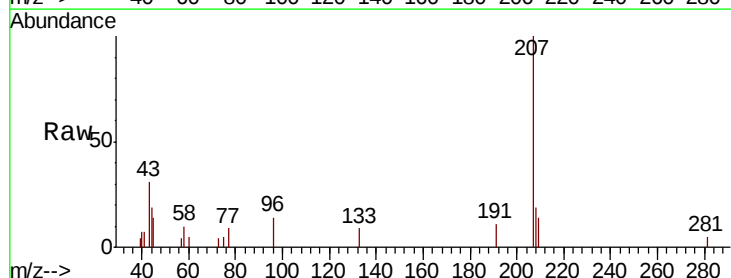
Acq: 12 Oct 2019 5:56

Tgt Ion: 43 Resp: 1482

Ion Ratio Lower Upper

43 100

58 36.0 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

1200

1000

800

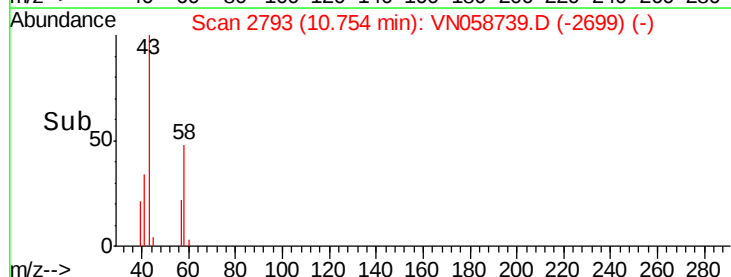
600

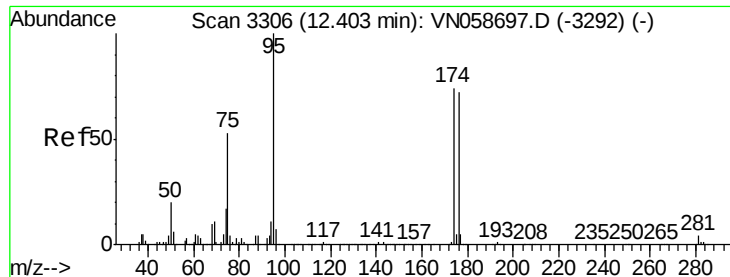
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.588 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

Instrument :

MSVOA_N

ClientSampleId :

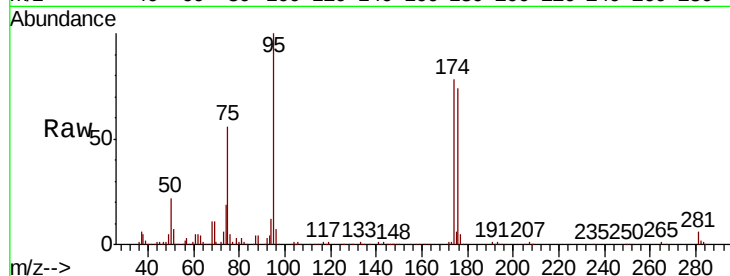
Tot Ion: 95 Resp: 268941

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.4

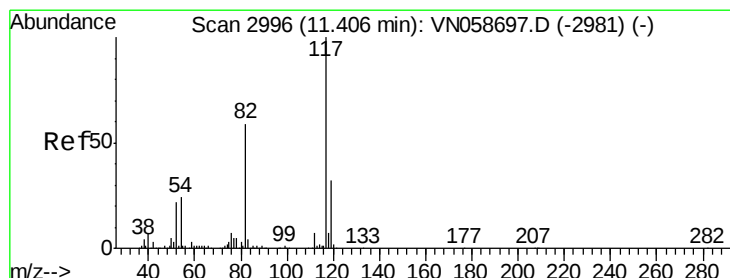
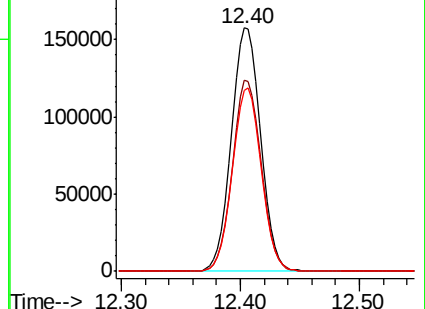
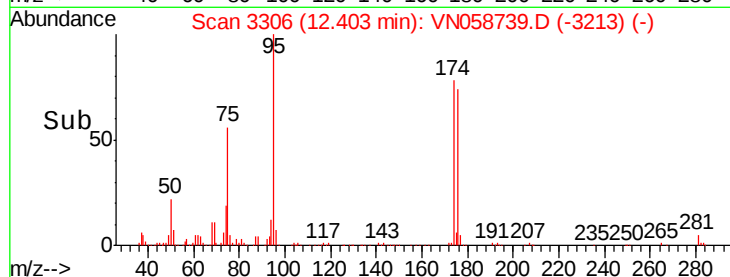
176 74.6 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058739.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058739.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058739.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

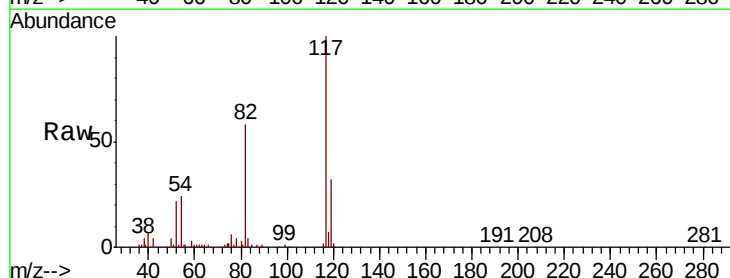
Tgt Ion: 117 Resp: 571256

Ion Ratio Lower Upper

117 100

82 58.1 47.0 70.4

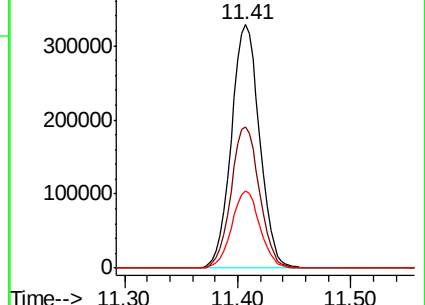
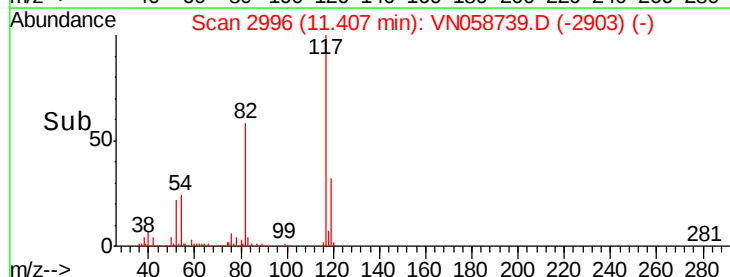
119 31.6 25.4 38.2

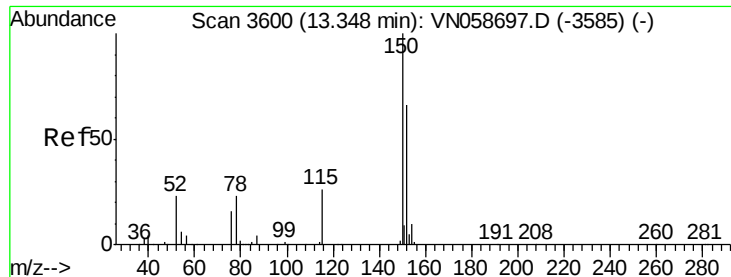


Abundance Ion 116.90 (116.60 to 117.60): VN058739.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058739.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058739.D (-2903) (-)

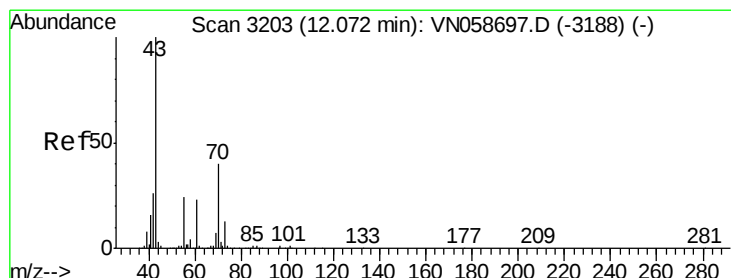
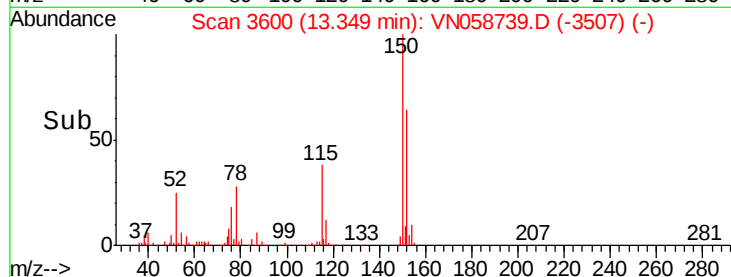
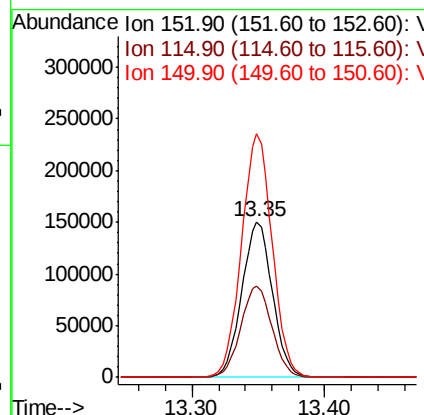
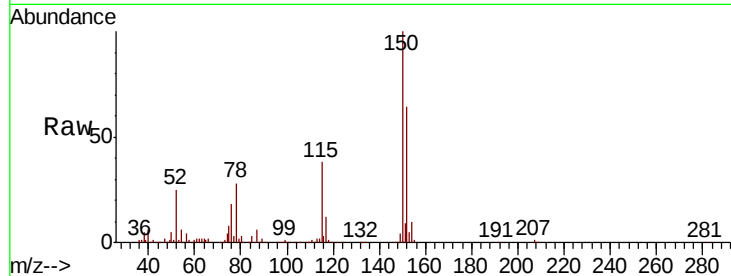




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

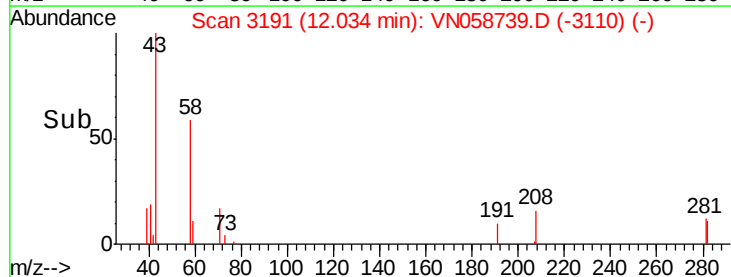
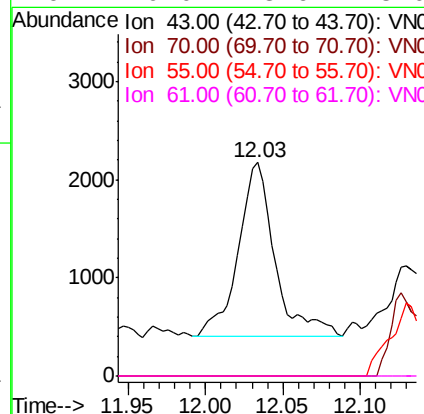
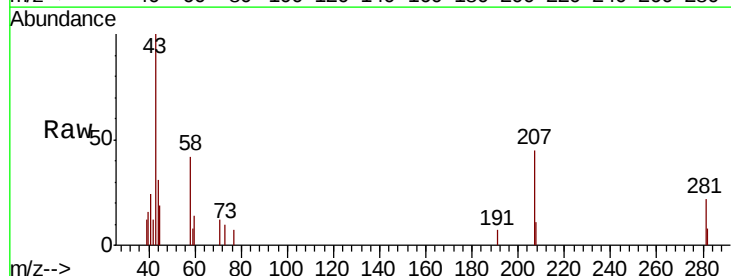
Instrument :
 MSVOA_N
 ClientSampleId :

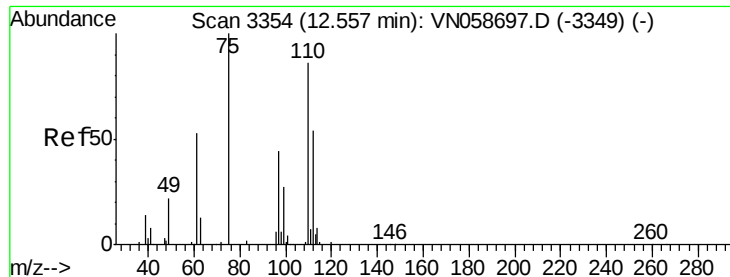
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.2
150	157.1	0.0	345.4



#74
 N-ethyl acetate
 Concen: 0.375 ug/l
 RT: 12.03 min Scan# 3191
 Delta R.T. -0.04 min
 Lab File: VN058739.D
 Acq: 12 Oct 2019 5:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.4#
55	0.0	19.6	29.4#
61	0.0	18.6	28.0#





#76

1,2,3-Trichloropropane

Concen: 27.763 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

Instrument :

MSVOA_N

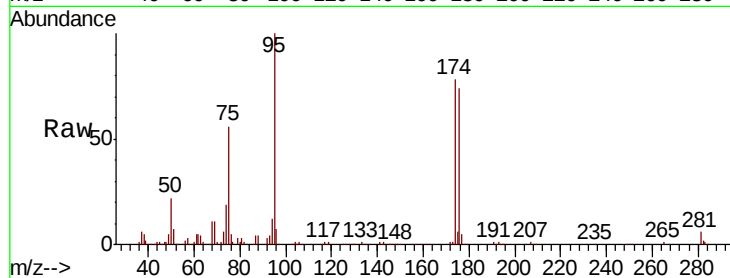
ClientSampleId :

Tot Ion: 75 Resp: 146706

Ion Ratio Lower Upper

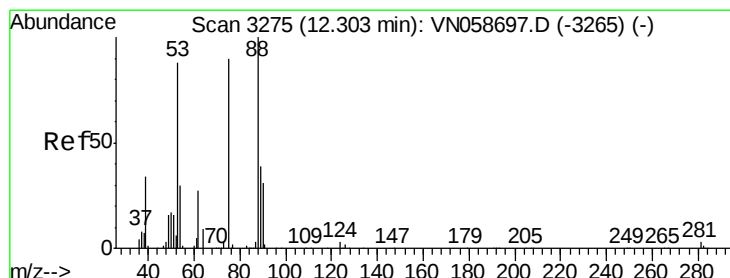
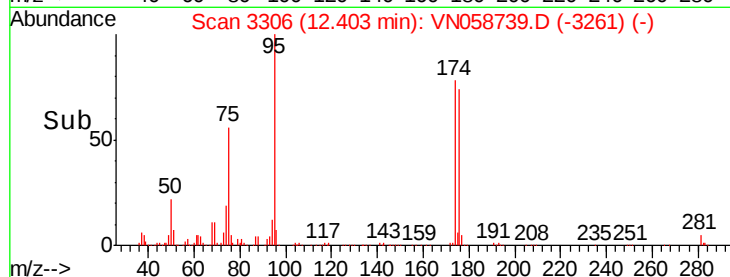
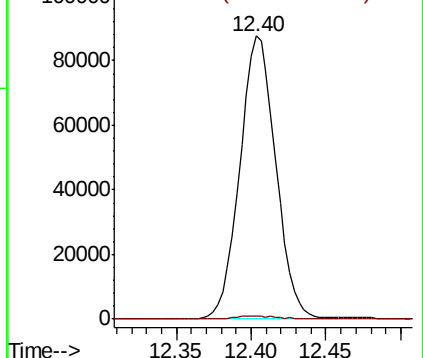
75 100

77 1.3 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: 74.367 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058739.D

Acq: 12 Oct 2019 5:56

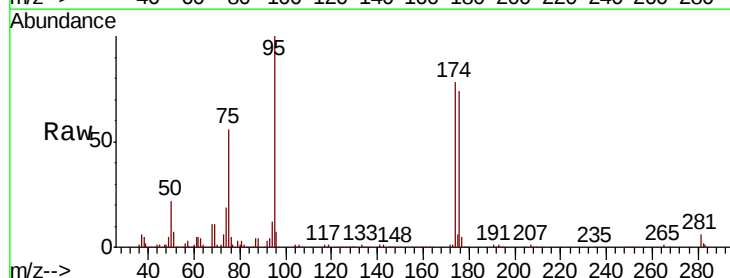
Tgt Ion: 75 Resp: 146706

Ion Ratio Lower Upper

75 100

53 0.1 78.4 117.6#

89 0.0 34.9 52.3#



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

