

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058762.D
 Acq On : 14 Oct 2019 20:14
 Operator : JC/SP
 Sample : K5292-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:16:07 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	361867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	622560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	553657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226900	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	293430	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	
35) Dibromofluoromethane	7.64	113	447	0.12	ug/l	0.07
Spiked Amount			Recovery	=	0.24%	
50) Toluene-d8	10.08	98	742746	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	245456	42.17	ug/l	0.00
Spiked Amount			Recovery	=	84.34%	

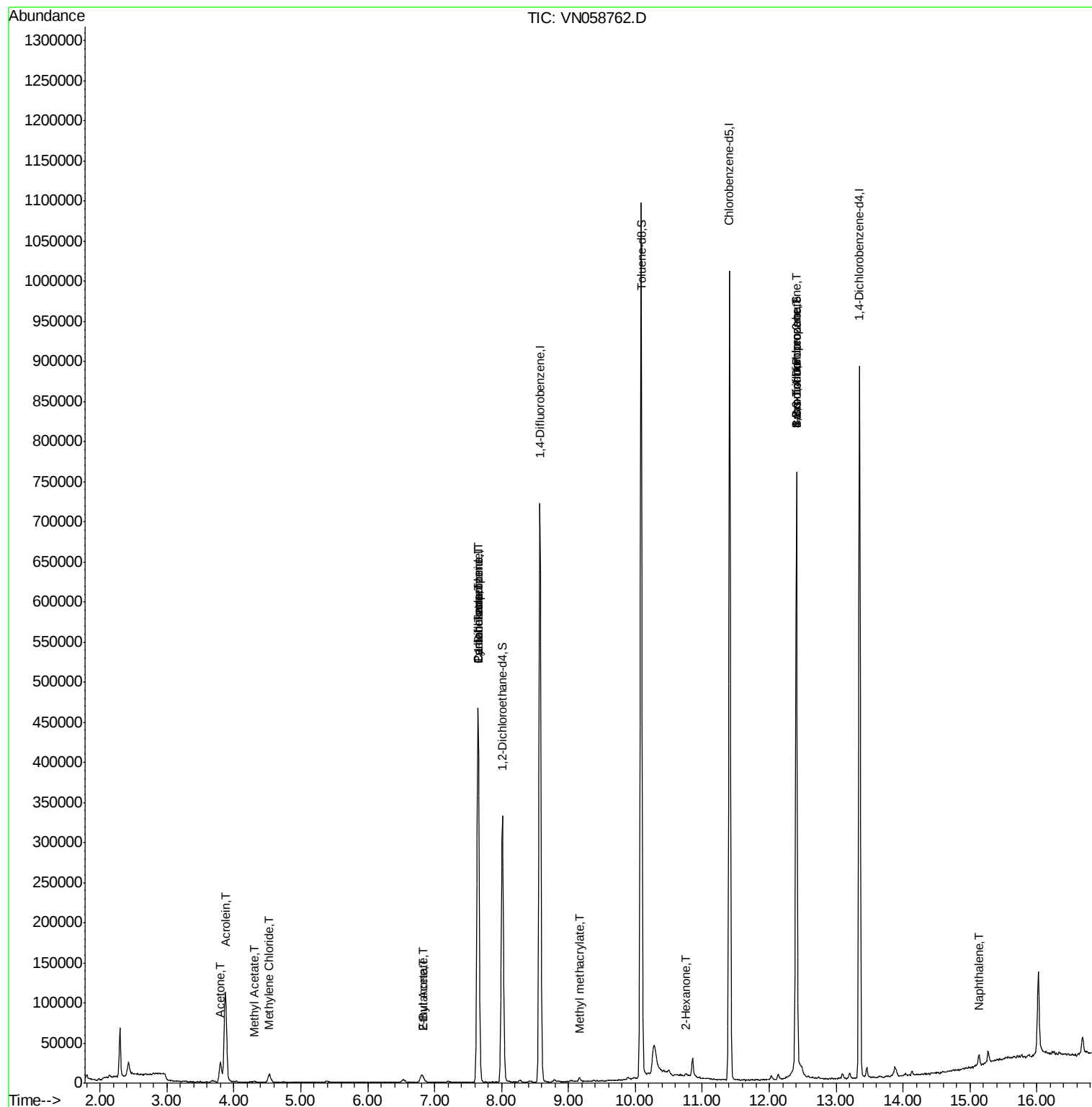
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.87	56	279	0.423	ug/l #	14
16) Acetone	3.80	43	43103	20.551	ug/l	96
18) Methyl Acetate	4.32	43	1692	0.318	ug/l #	62
20) Methylene Chloride	4.53	84	7428	1.695	ug/l	94
25) 2-Butanone	6.83	43	8002	2.640	ug/l	98
31) Cyclohexane	7.65	56	8812	1.186	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	31474	5.000	ug/l #	50
37) Ethyl Acetate	6.83	43	8002	1.257	ug/l #	71
38) Carbon Tetrachloride	7.65	117	36752	5.991	ug/l #	17
48) Methyl methacrylate	9.16	41	1843	0.375	ug/l #	44
59) 2-Hexanone	10.76	43	1285	0.273	ug/l	89
71) Bromoform	12.40	173	1488	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	132076	26.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	132076	71.076	ug/l #	11
95) Naphthalene	15.14	128	6945	0.551	ug/l	97

(#) = 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# 1828

Delta R.T. 0.00 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

Instrument :

MSVOA_N

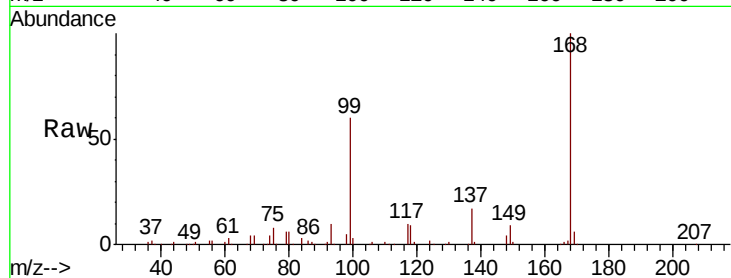
ClientSampled :

Tot Ion:168 Resp: 361867

Ion Ratio Lower Upper

168 100

99 59.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

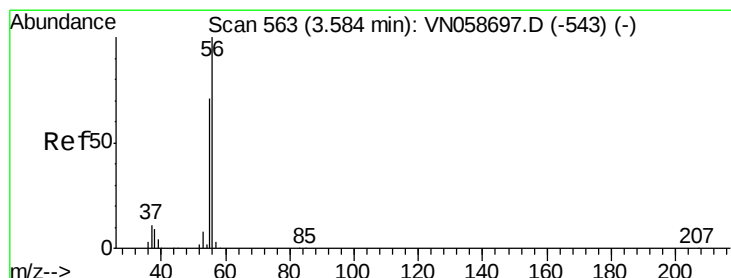
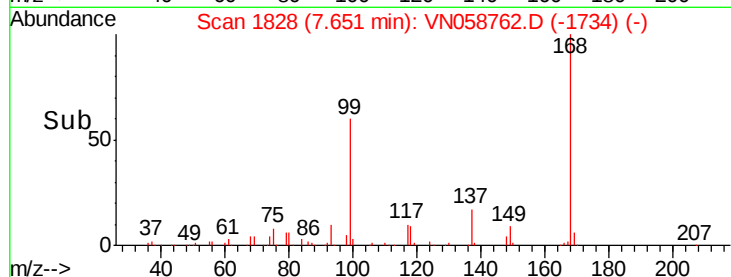
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.423 ug/l

RT: 3.87 min Scan# 652

Delta R.T. 0.29 min

Lab File: VN058762.D

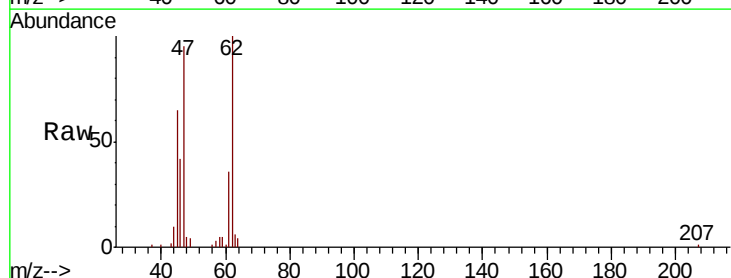
Acq: 14 Oct 2019 20:14

Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.87

300

250

200

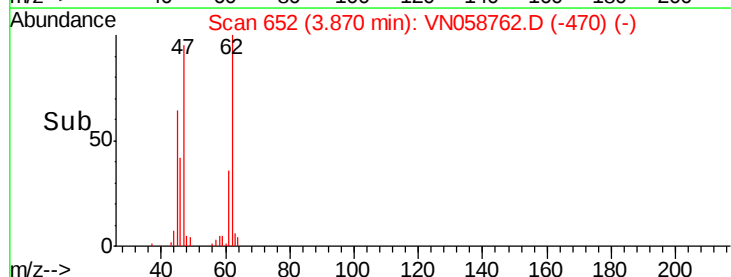
150

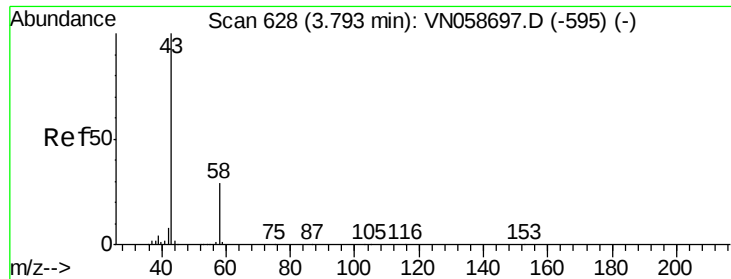
100

50

0

Time--> 3.84 3.85 3.86 3.87 3.88

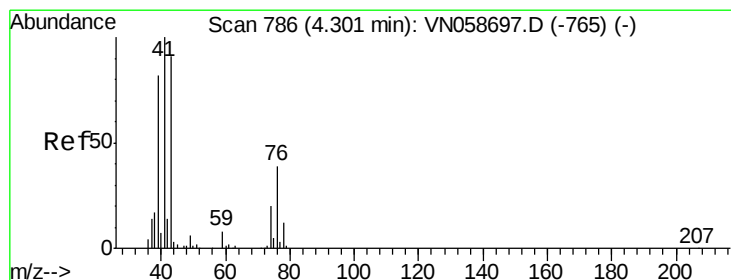
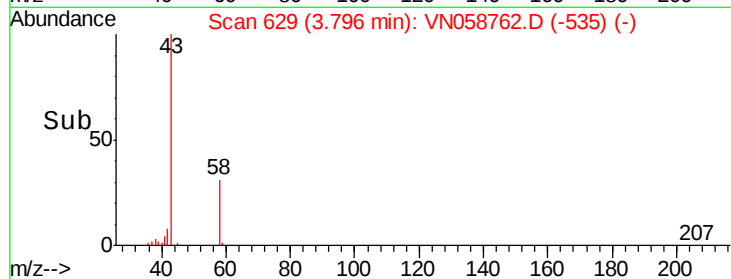
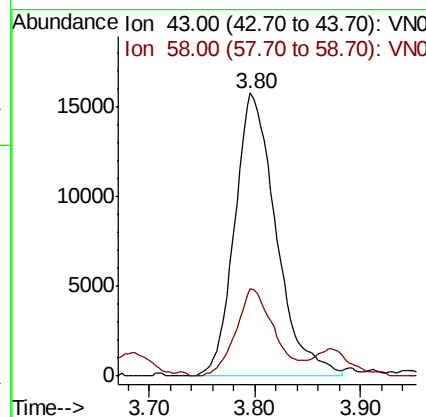
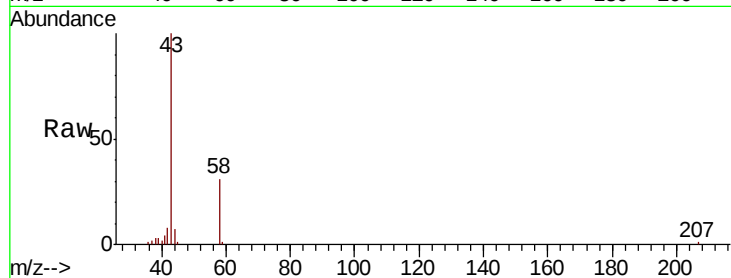




#16
Acetone
Concen: 20.551 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

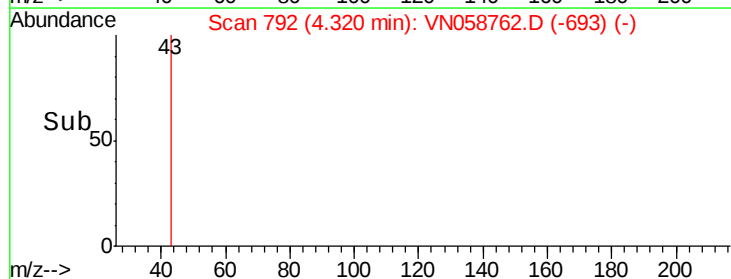
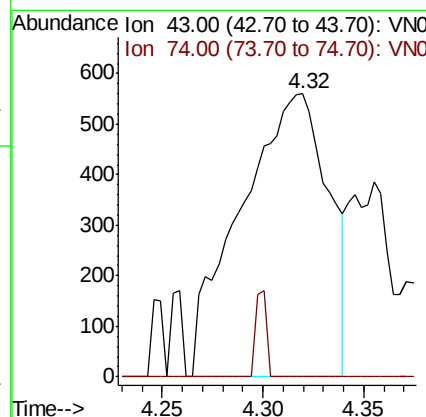
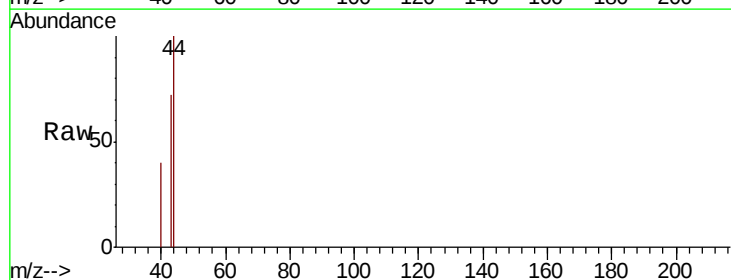
Instrument :
MSVOA_N
ClientSampleId :

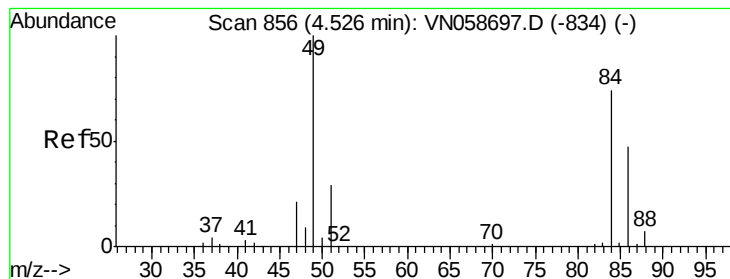
Tot Ion: 43 Resp: 43103
Ion Ratio Lower Upper
43 100
58 31.0 23.3 34.9



#18
Methyl Acetate
Concen: 0.318 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
74 3.8 17.2 25.8#





#20

Methvlene Chloride

Concen: 1.695 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 7428

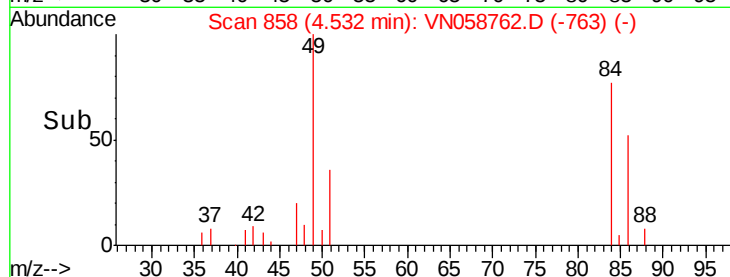
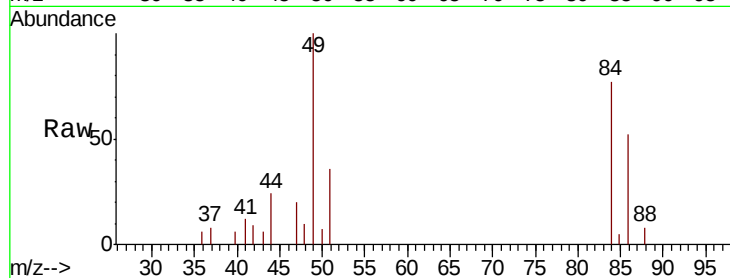
Ion Ratio Lower Upper

84 100

49 129.6 107.6 161.4

51 46.9 31.4 47.0

86 67.3 50.3 75.5

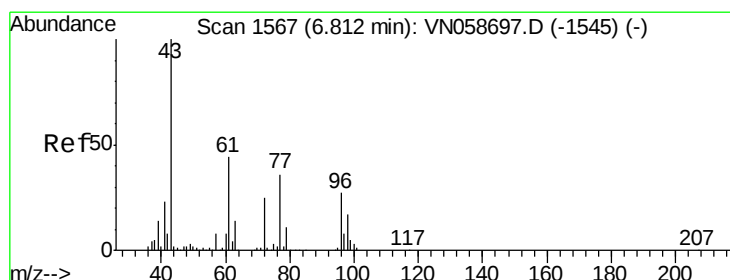
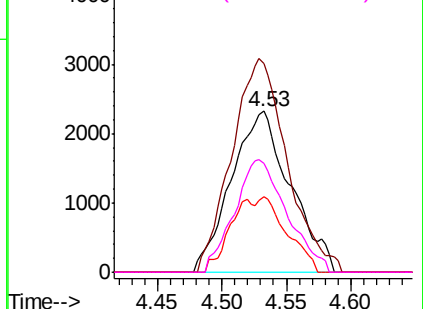


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 2.640 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN058762.D

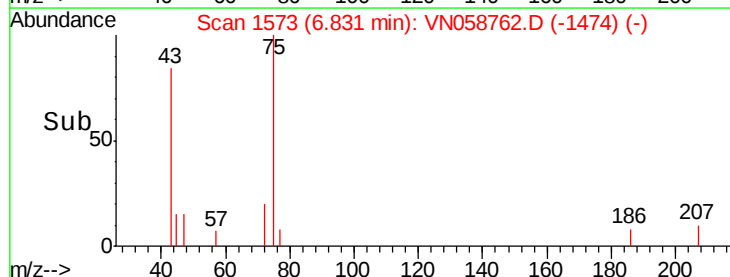
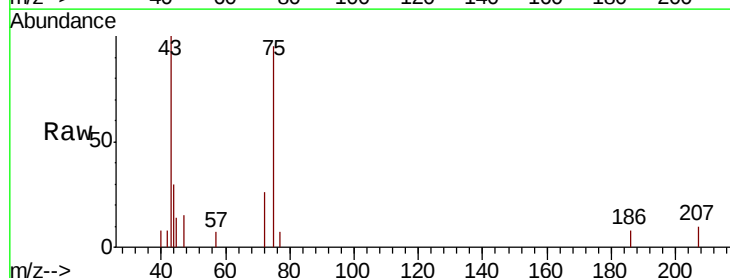
Acq: 14 Oct 2019 20:14

Tgt Ion: 43 Resp: 8002

Ion Ratio Lower Upper

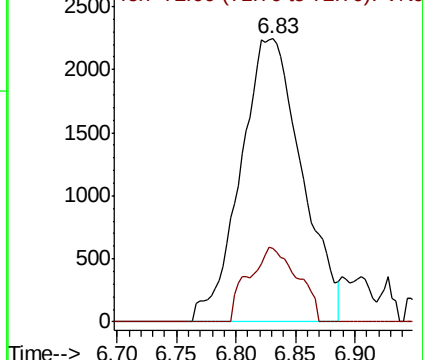
43 100

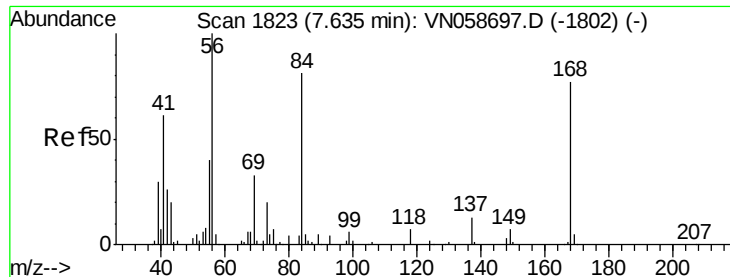
72 26.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

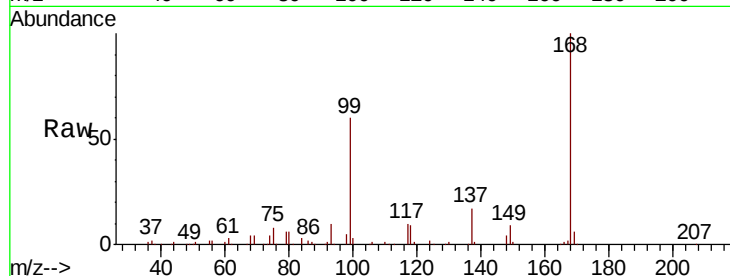




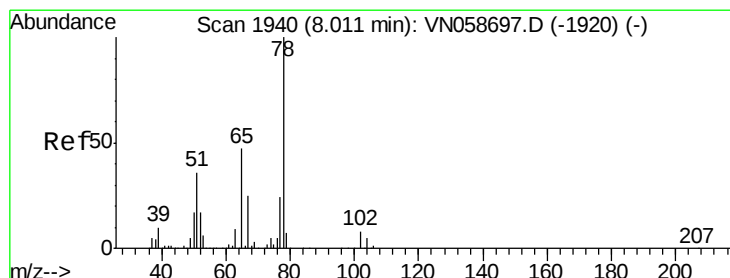
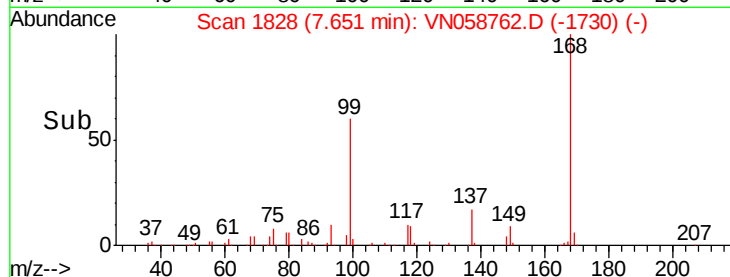
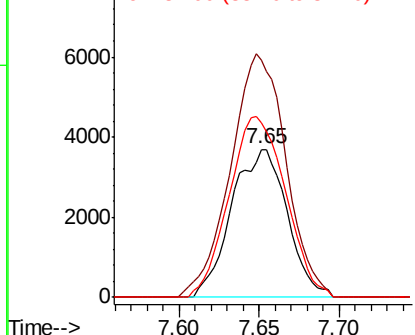
#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 8812
Ion Ratio Lower Upper
56 100
69 160.5 26.2 39.4#
84 118.5 64.9 97.3#

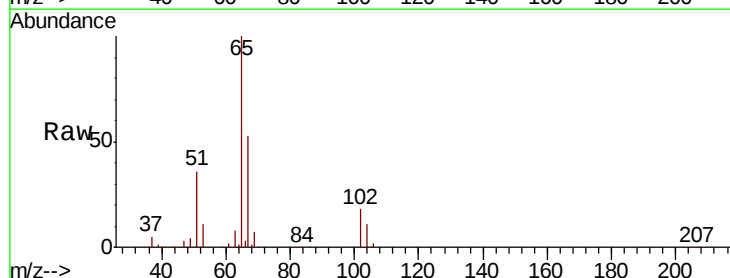


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

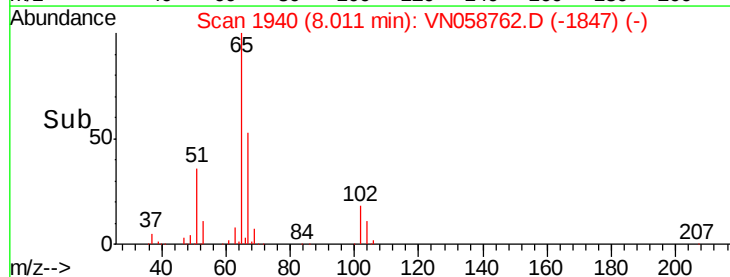
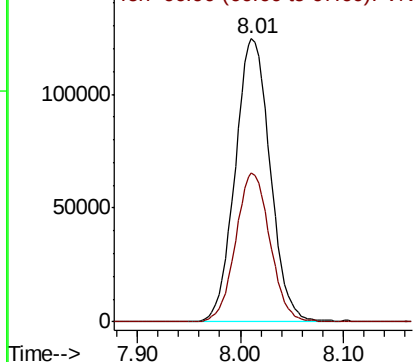


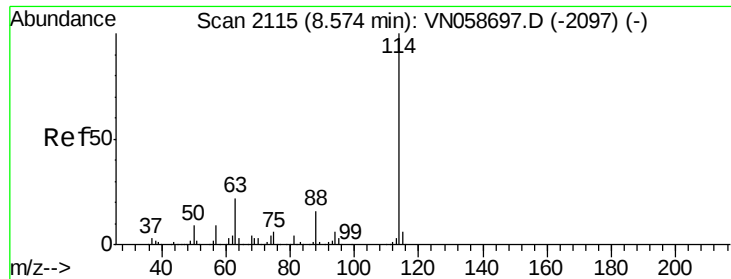
#33
1,2-Dichloroethane-d4
Concen: 57.921 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Tgt Ion: 65 Resp: 293430
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



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

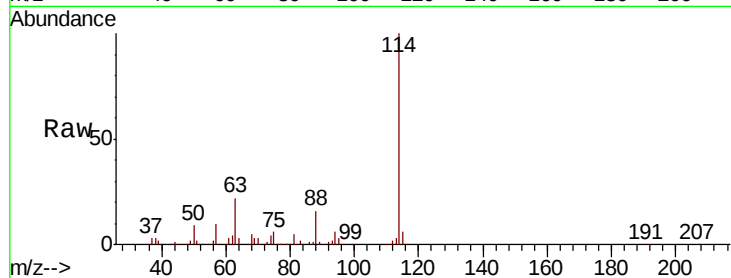




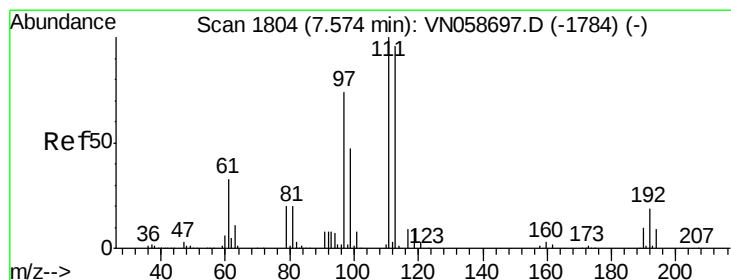
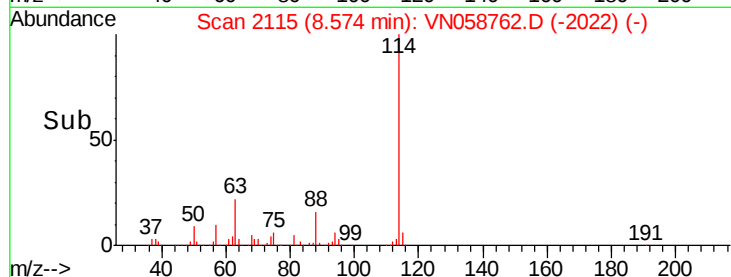
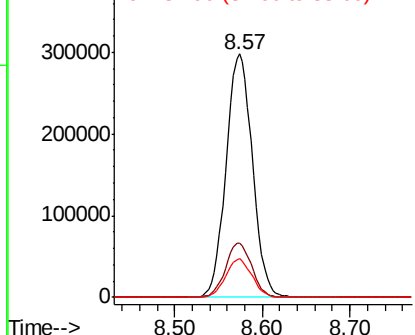
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058762.D
 Acq: 14 Oct 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	15.9	0.0	32.0

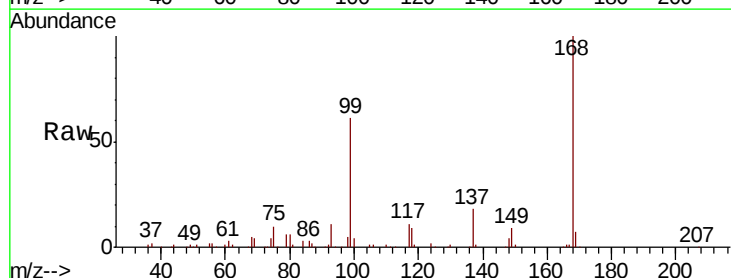


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

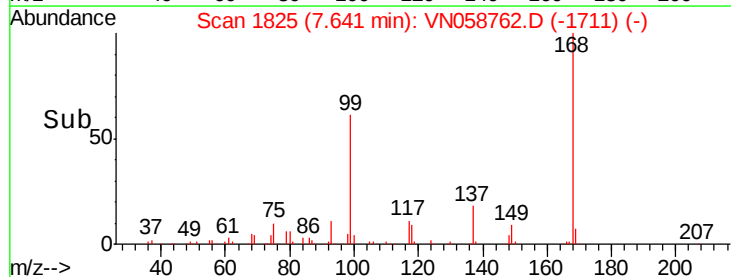
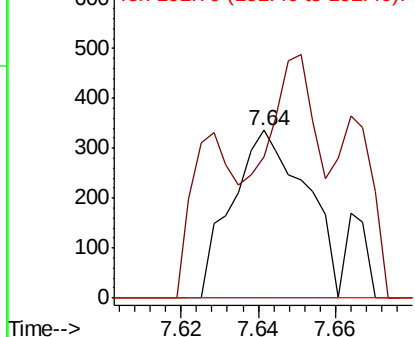


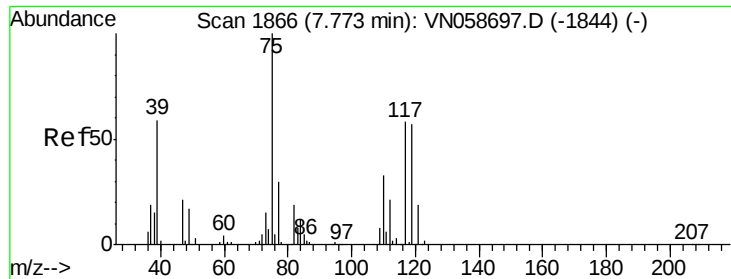
#35
 Dibromofluoromethane
 Concen: 0.116 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.07 min
 Lab File: VN058762.D
 Acq: 14 Oct 2019 20:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	54.8	82.3	123.5#
192	0.0	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

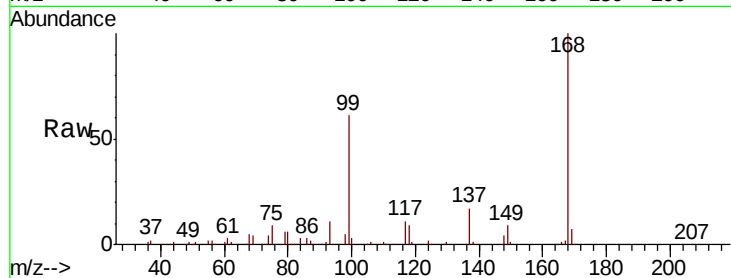




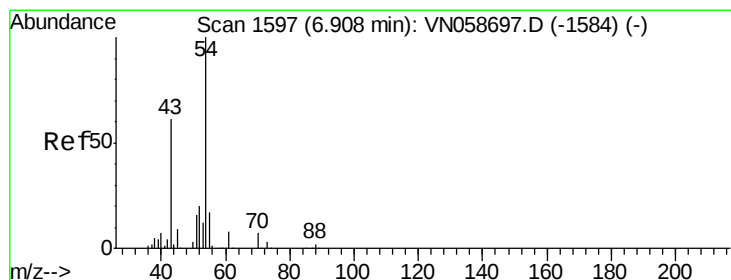
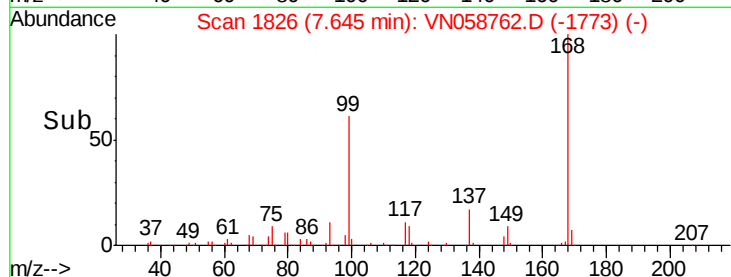
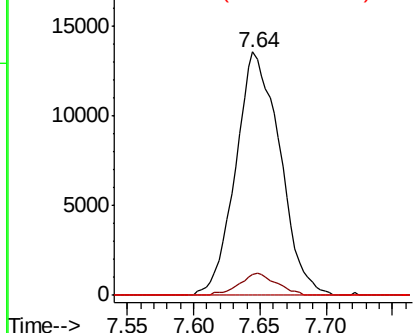
#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058762.D
 Acq: 14 Oct 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 31474
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.6 49.8#
 77 0.0 24.6 37.0#

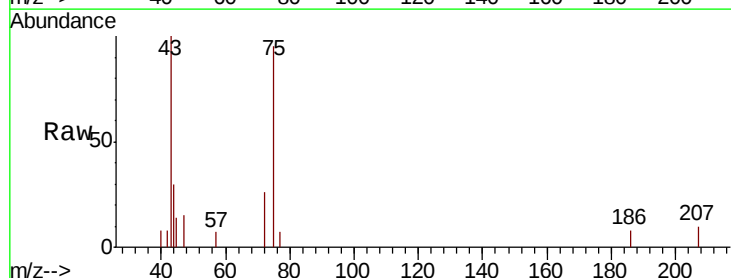


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO

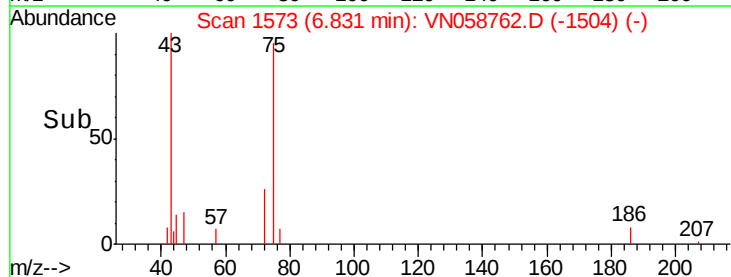
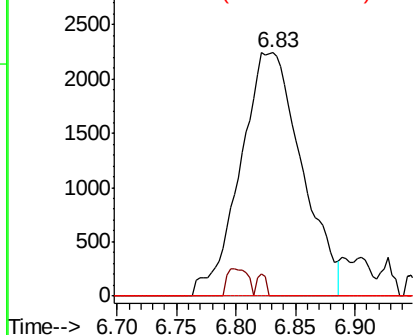


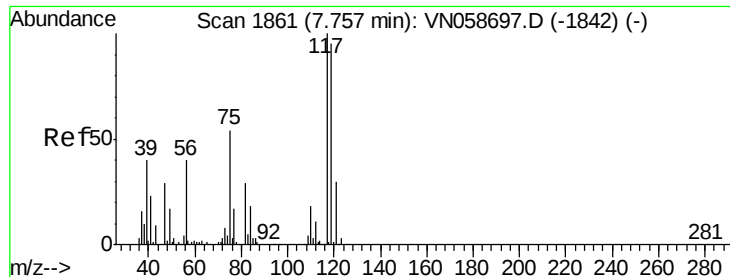
#37
 Ethyl Acetate
 Concen: 1.257 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.08 min
 Lab File: VN058762.D
 Acq: 14 Oct 2019 20:14

Tgt Ion: 43 Resp: 8002
 Ion Ratio Lower Upper
 43 100
 61 1.3 11.3 16.9#
 70 0.0 7.2 10.8#



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

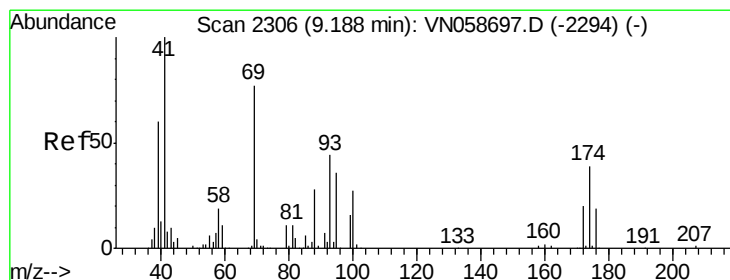
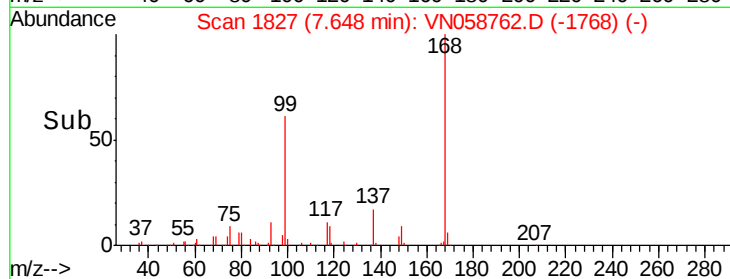
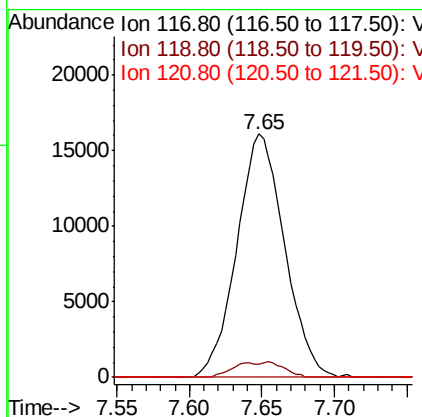
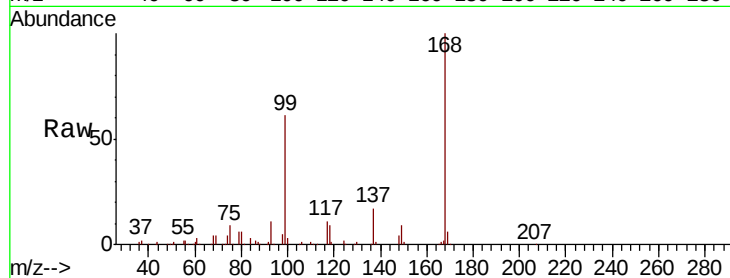




#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

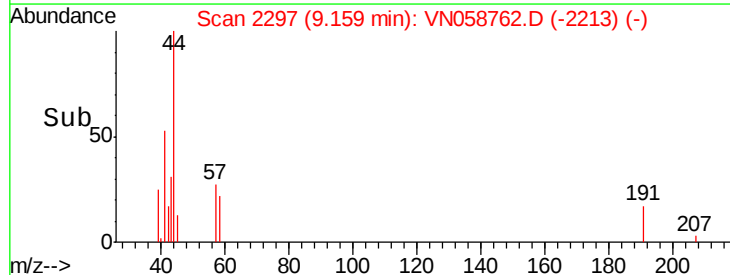
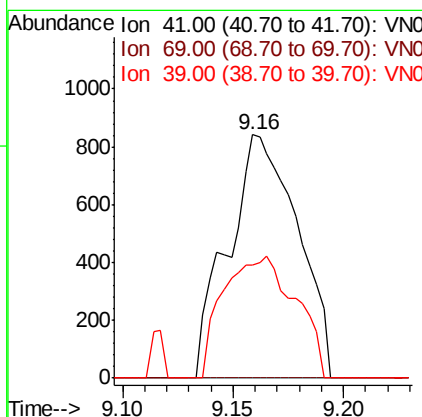
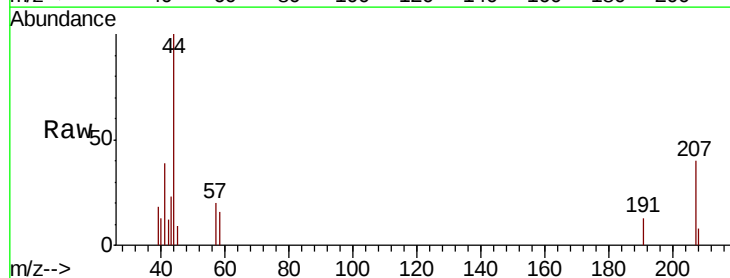
Instrument :
MSVOA_N
ClientSampleId :

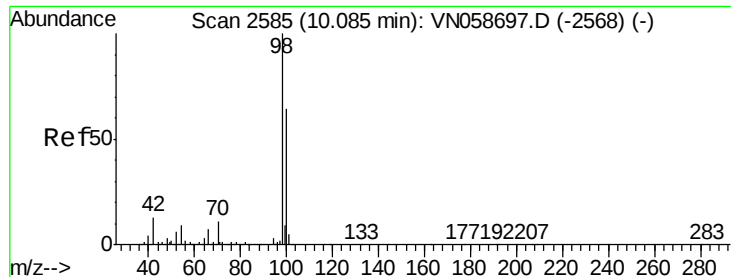
Tot Ion:117 Resp: 36752
Ion Ratio Lower Upper
117 100
119 5.4 75.7 113.5#
121 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 0.375 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.03 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Tgt Ion: 41 Resp: 1843
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 51.9 48.9 73.3





#50

Toluene-d8

Concen: 48.301 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

Instrument :

MSVOA_N

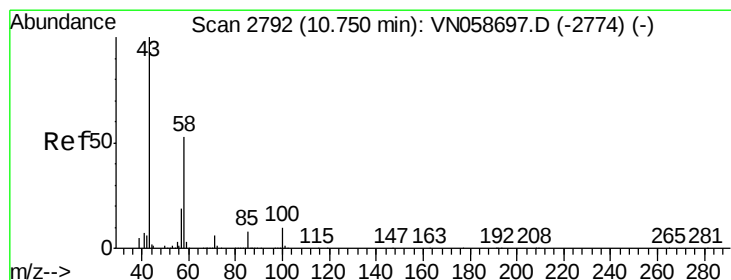
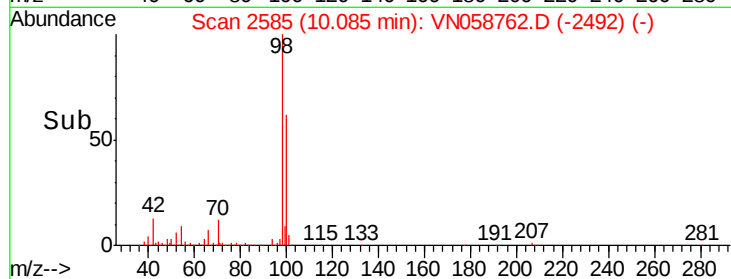
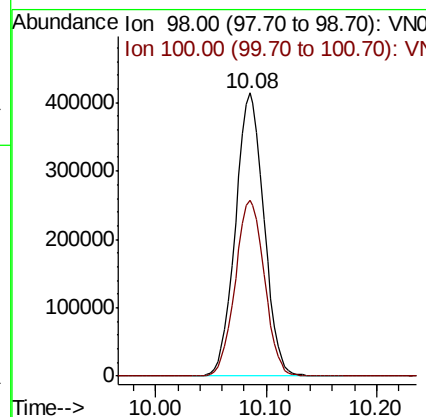
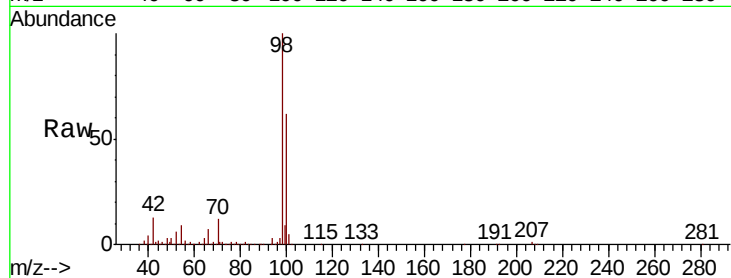
ClientSampleId :

Tot Ion: 98 Resp: 742746

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#59

2-Hexanone

Concen: 0.273 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN058762.D

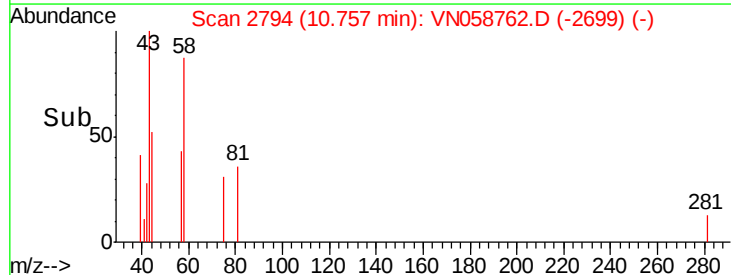
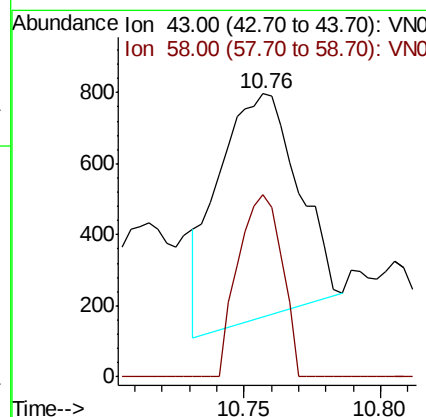
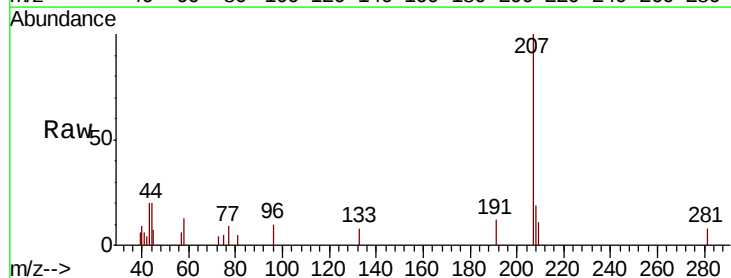
Acq: 14 Oct 2019 20:14

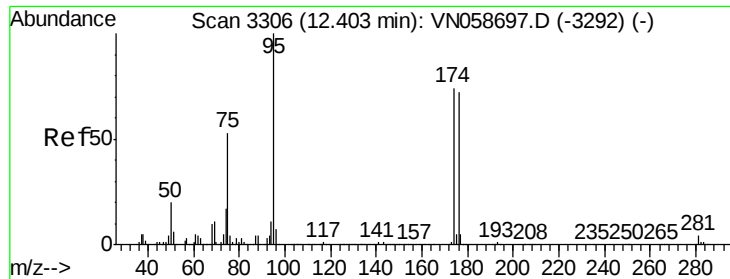
Tgt Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

58 44.3 26.1 78.3

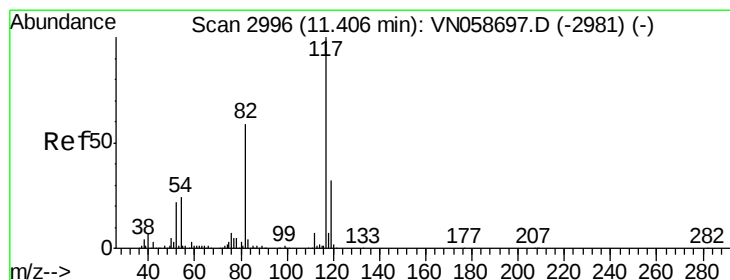
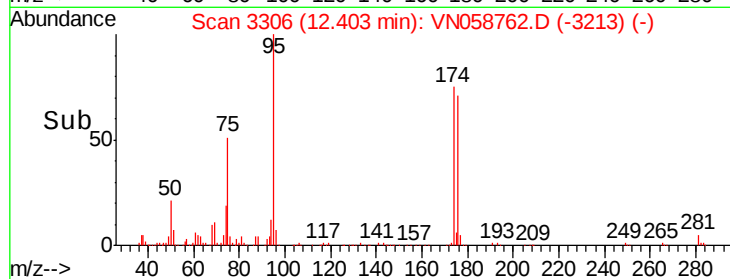
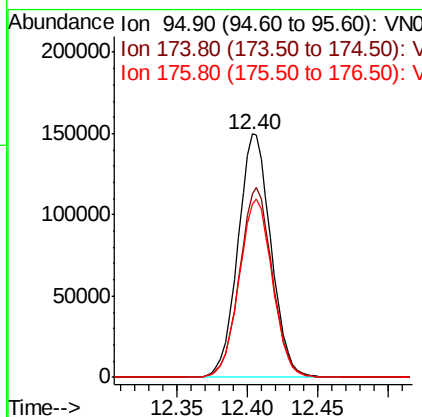
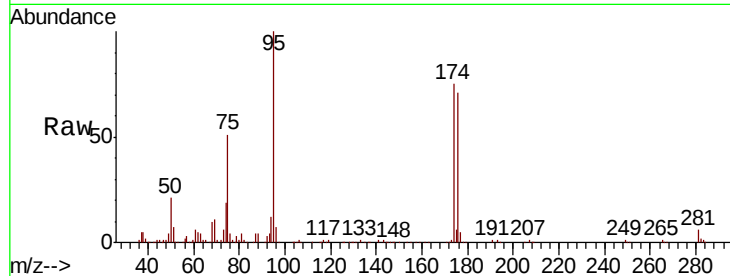




#62
4-Bromofluorobenzene
Concen: 42.169 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

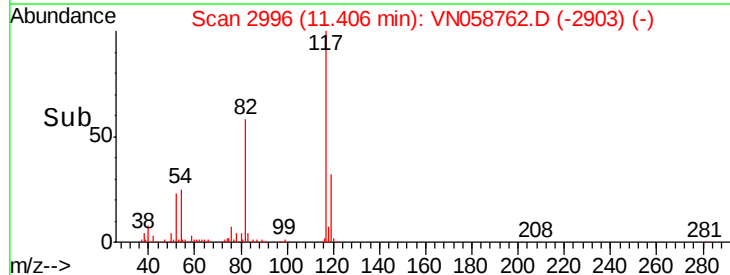
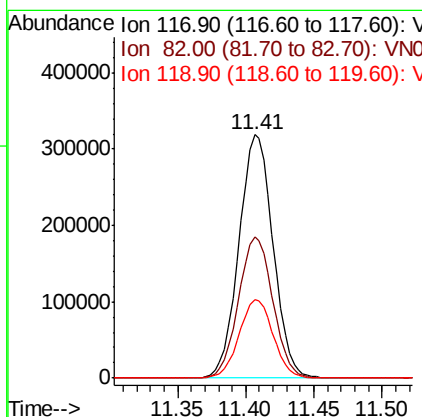
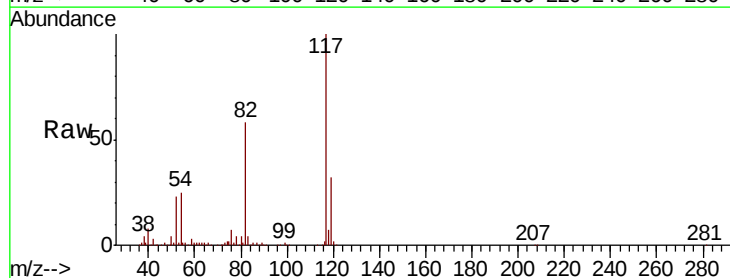
Instrument :
MSVOA_N
ClientSampleId :

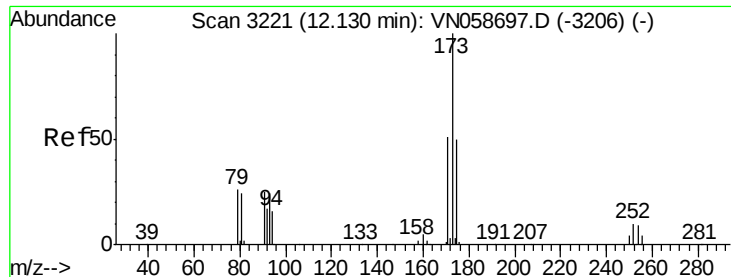
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	150.4
176	74.0	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.0	70.4
119	32.2	25.4	38.2





#71

Bromoform

Concen: 0.488 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

Instrument :

MSVOA_N

ClientSampled :

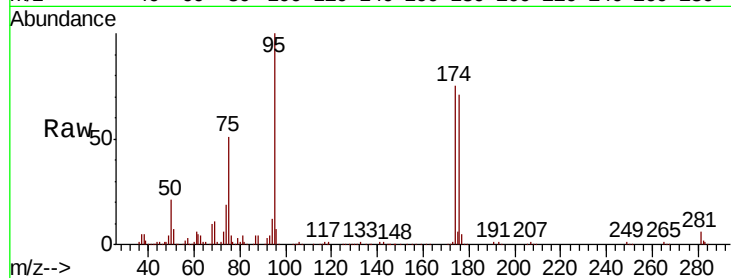
Tot Ion:173 Resp: 1488

Ion Ratio Lower Upper

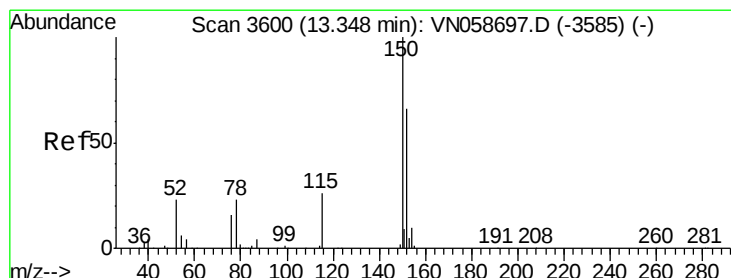
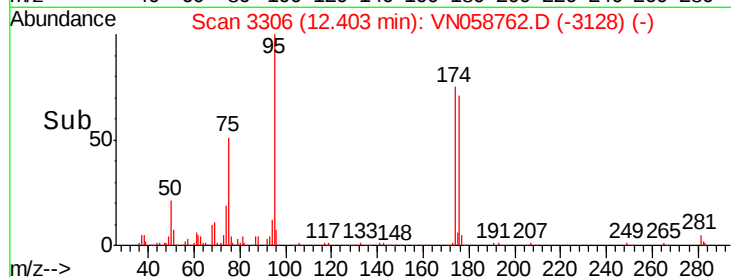
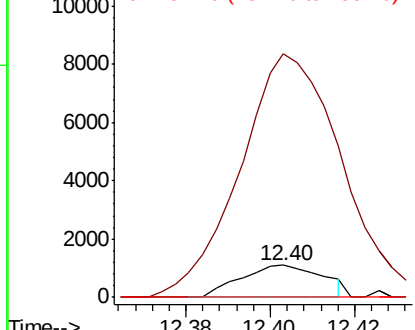
173 100

175 815.0 24.6 73.8#

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

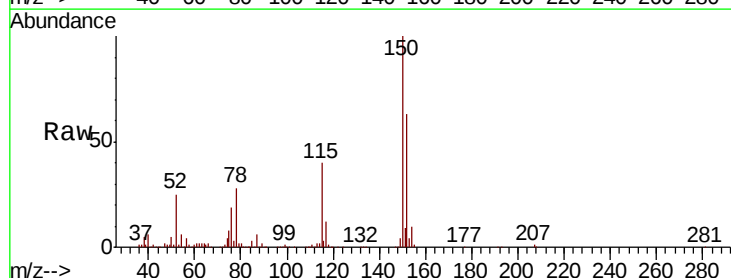
Tgt Ion:152 Resp: 226900

Ion Ratio Lower Upper

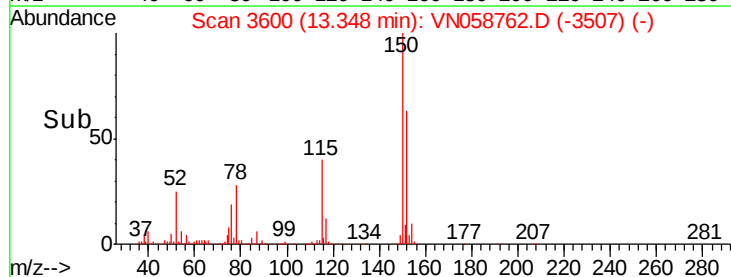
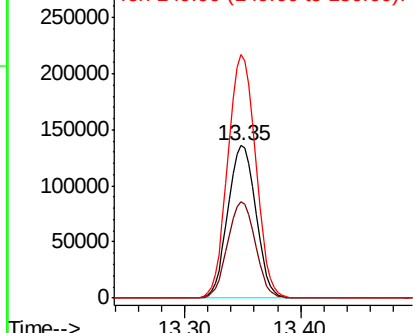
152 100

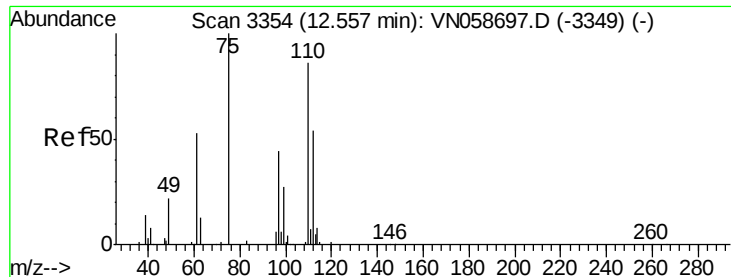
115 62.4 30.4 91.2

150 158.8 0.0 345.4



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





#76

1,2,3-Trichloropropane

Concen: 26.534 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

Instrument :

MSVOA_N

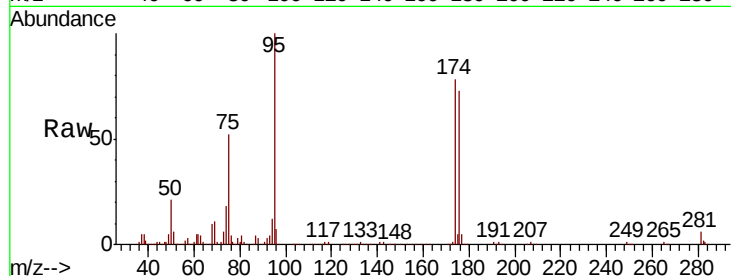
ClientSampleId :

Tot Ion: 75 Resp: 132076

Ion Ratio Lower Upper

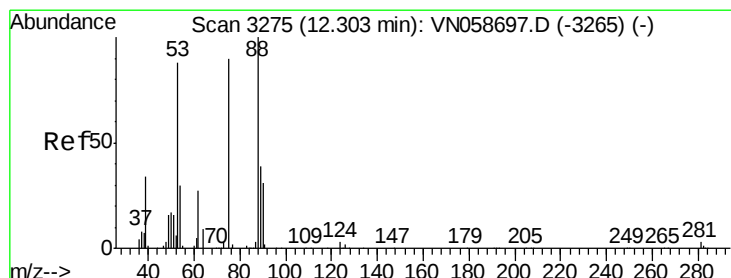
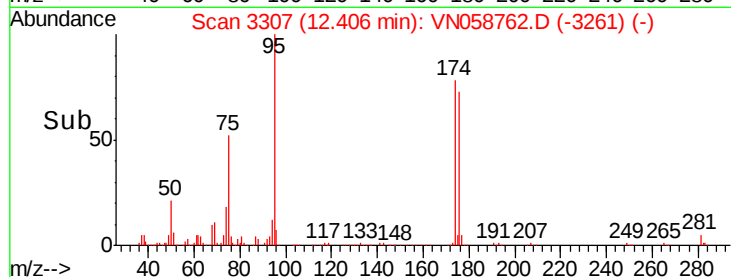
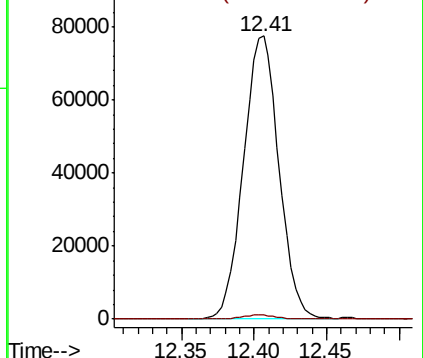
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 71.076 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058762.D

Acq: 14 Oct 2019 20:14

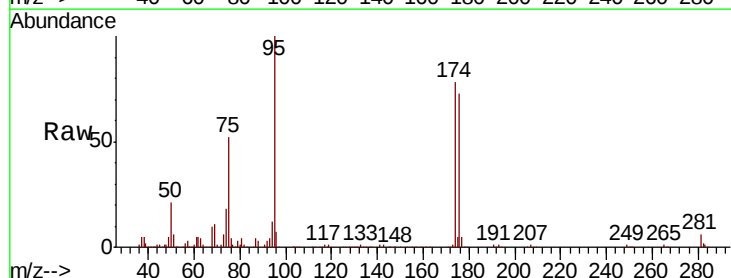
Tgt Ion: 75 Resp: 132076

Ion Ratio Lower Upper

75 100

53 0.1 78.4 117.6#

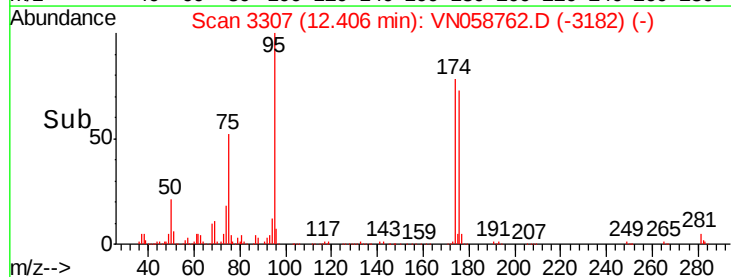
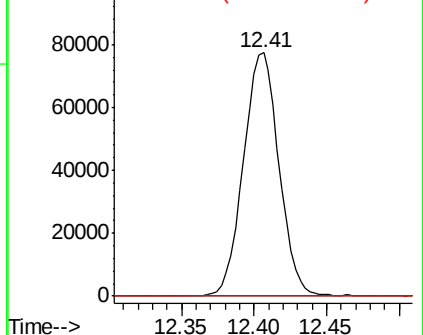
89 0.0 34.9 52.3#

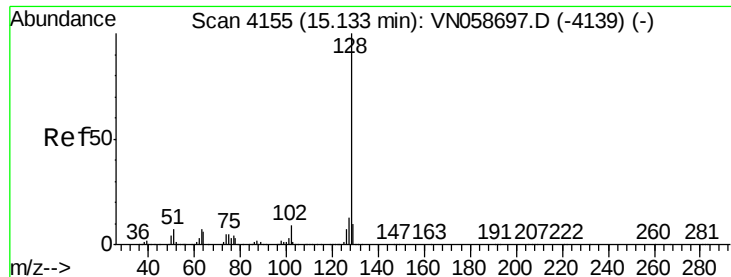


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95
Naphthalene
Concen: 0.551 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058762.D
Acq: 14 Oct 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.2	15.4
129	10.6	8.5	12.7

