

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058731.D
 Acq On : 12 Oct 2019 3:01
 Operator : JC/SP
 Sample : K5266-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 05:48:49 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	386291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	273588	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.57	113	197952	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.08	98	771852	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	257446	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.17	62	139131	24.418	ug/l	100
6) Chloroethane	2.69	64	12042	3.426	ug/l	96
11) Tert butyl alcohol	4.77	59	356	0.406	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	1089	0.294	ug/l #	78
13) Acrolein	3.59	56	761	1.080	ug/l #	25
14) Allyl chloride	4.53	41	309519	41.343	ug/l #	24
16) Acetone	3.80	43	69602	31.088	ug/l	99
17) Carbon Disulfide	4.04	76	5154	0.435	ug/l	100
18) Methyl Acetate	4.31	43	6689	1.178	ug/l #	75
20) Methylene Chloride	4.53	84	7743700	1654.931	ug/l #	80
24) 1,1-Dichloroethane	5.83	63	11425	1.378	ug/l #	94
25) 2-Butanone	6.82	43	19722	6.094	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	344704	71.235	ug/l	88
29) Tetrahydrofuran	7.20	42	462	0.221	ug/l #	35
31) Cyclohexane	7.64	56	11535	1.454	ug/l #	30
36) 1,1-Dichloropropene	7.65	75	31576	5.259	ug/l #	51
37) Ethyl Acetate	6.82	43	19722	3.248	ug/l #	1
38) Carbon Tetrachloride	7.65	117	39075	6.678	ug/l #	16
39) Methylcyclohexane	9.07	83	17144	2.461	ug/l #	87
43) Isopropyl Acetate	8.15	43	101265	9.789	ug/l #	90
48) Methyl methacrylate	9.17	41	6750	1.440	ug/l #	14
49) 1,4-Dioxane	9.26	88	135	1.861	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7339	1.263	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	38571	5.315	ug/l #	65
55) 1,1,2-Trichloroethane	10.53	97	1314	0.304	ug/l #	14
57) 1,3-Dichloropropane	10.76	76	7145	0.971	ug/l #	42
59) 2-Hexanone	10.76	43	105597	23.520	ug/l #	54
65) Chlorobenzene	11.43	112	16195	1.483	ug/l	93
67) Ethyl Benzene	11.51	91	6430	0.330	ug/l	94
73) Isopropylbenzene	12.25	105	5142	0.323	ug/l	99
74) N-amyl acetate	12.04	43	3819	0.534	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	136454	28.316	ug/l #	100
78) n-propylbenzene	12.60	91	4352	0.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	4520	0.333	ug/l	96

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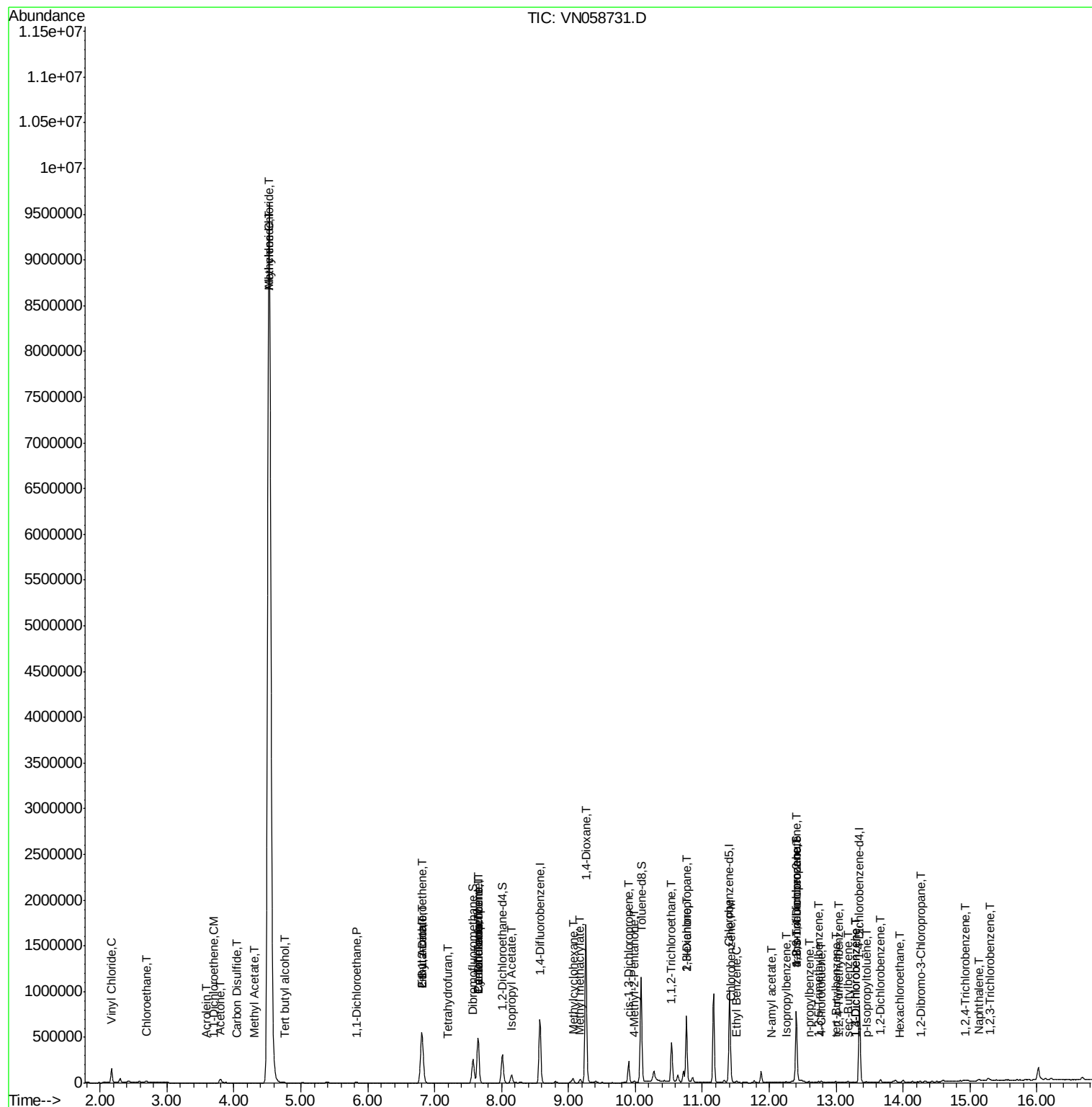
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	136454	75.849	ug/l #	11
82) 4-Chlorotoluene	12.78	91	8654	0.733	ug/l	91
83) tert-Butylbenzene	12.99	119	5498	0.473	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	5988	0.444	ug/l	83
85) sec-Butylbenzene	13.18	105	7367	0.481	ug/l	85
86) p-Isopropyltoluene	13.45	119	3425	0.246	ug/l	93
87) 1,3-Dichlorobenzene	13.29	146	1480	0.207	ug/l	79
88) 1,4-Dichlorobenzene	13.29	146	1480	0.204	ug/l	79
90) Hexachloroethane	13.95	117	635	0.255	ug/l #	10
91) 1,2-Dichlorobenzene	13.66	146	11373	1.635	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	393	0.321	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	2147	0.506	ug/l	88
95) Naphthalene	15.13	128	13135	1.077	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	2362	0.570	ug/l #	73

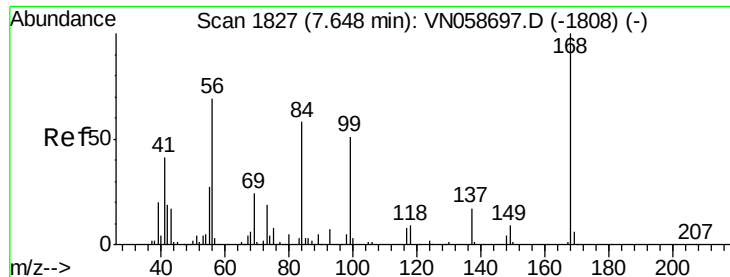
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

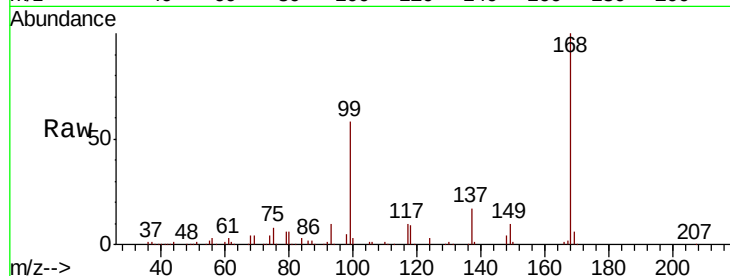
ClientSampled :

Tot Ion:168 Resp: 386291

Ion Ratio Lower Upper

168 100

99 58.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

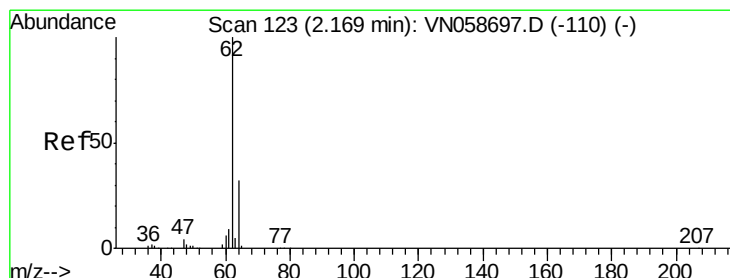
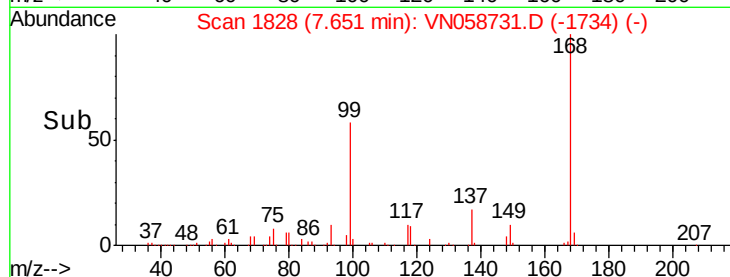
100000

50000

0

Time-->

7.60 7.70



#4

Vinyl Chloride

Concen: 24.418 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058731.D

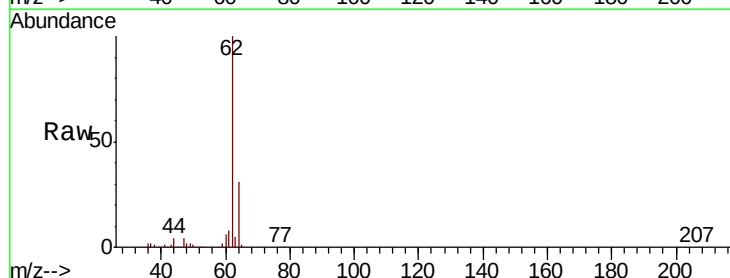
Acq: 12 Oct 2019 3:01

Tgt Ion: 62 Resp: 139131

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

100000

80000

60000

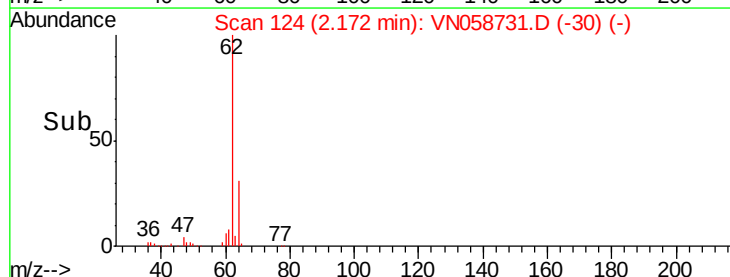
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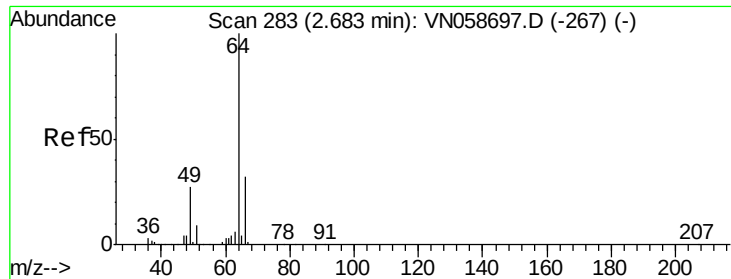
20000

0

Time-->

2.10 2.15 2.20 2.25





#6

Chloroethane

Concen: 3.426 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

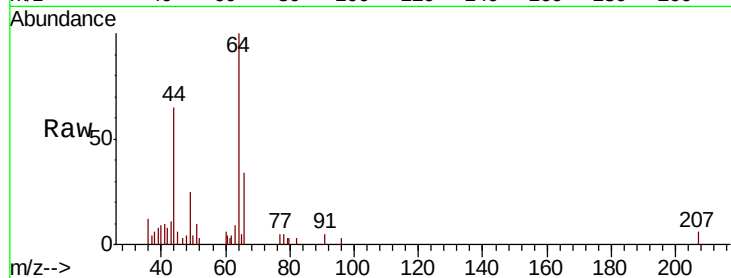
ClientSampled :

Tot Ion: 64 Resp: 12042

Ion Ratio Lower Upper

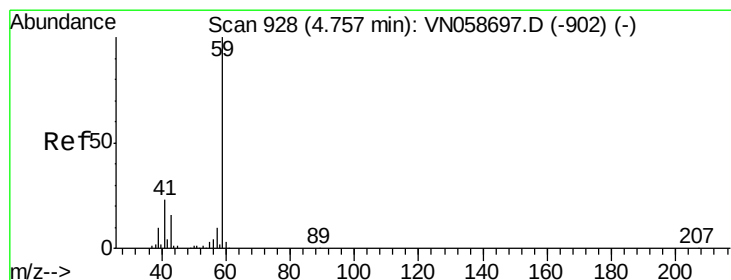
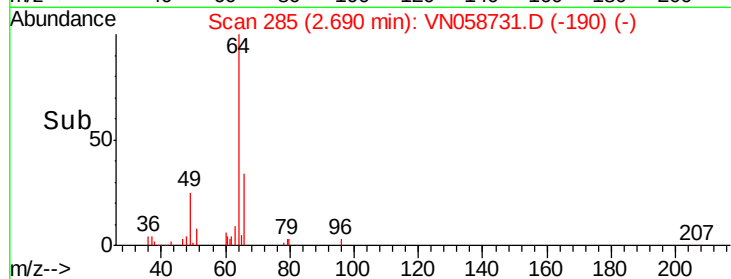
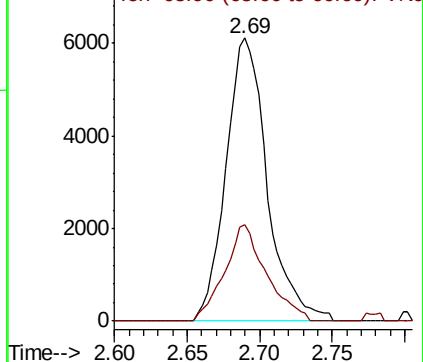
64 100

66 34.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 0.406 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.02 min

Lab File: VN058731.D

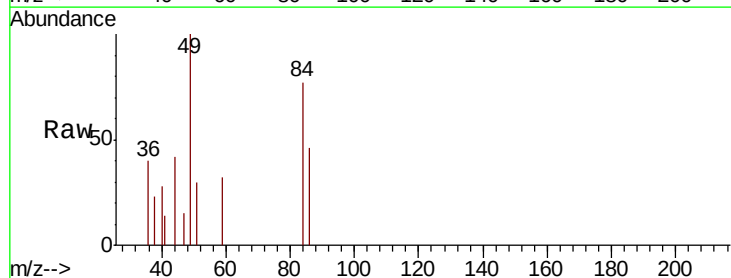
Acq: 12 Oct 2019 3:01

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

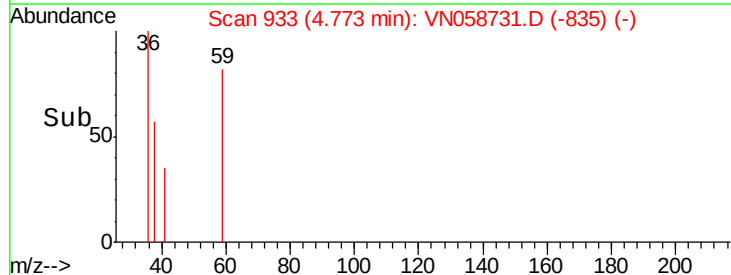
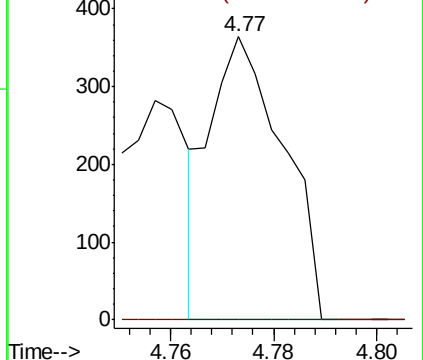
59 100

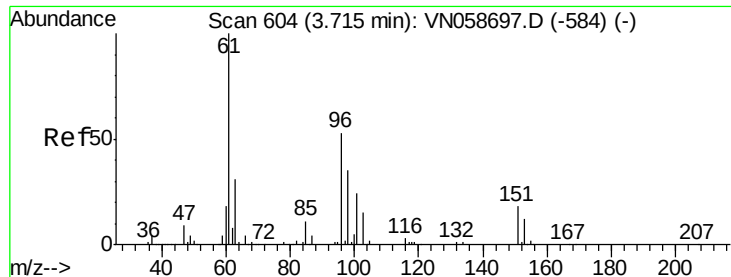
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

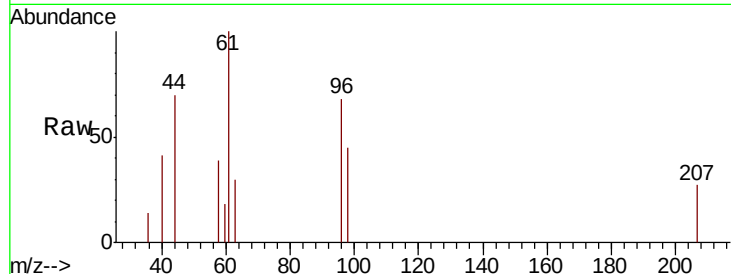




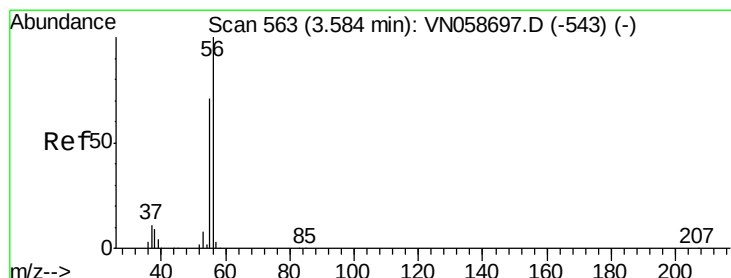
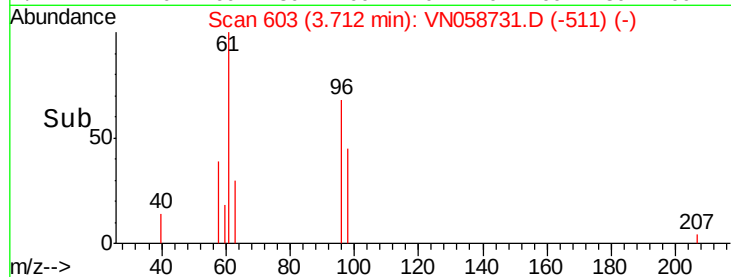
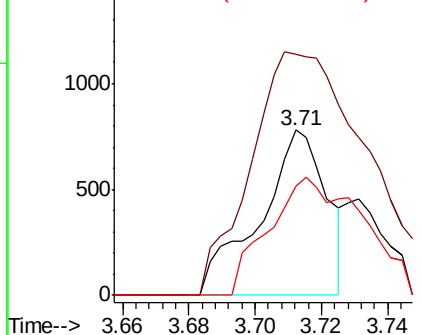
#12
 1,1-Dichloroethene
 Concen: 0.294 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 1089
 Ion Ratio Lower Upper
 96 100
 61 146.3 151.3 226.9#
 98 66.0 52.6 78.8

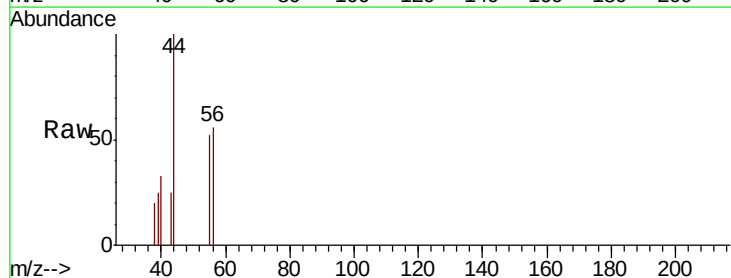


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

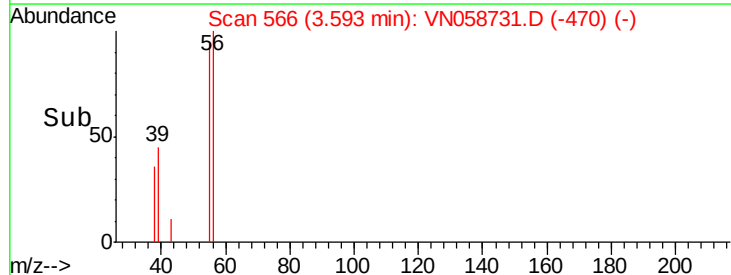
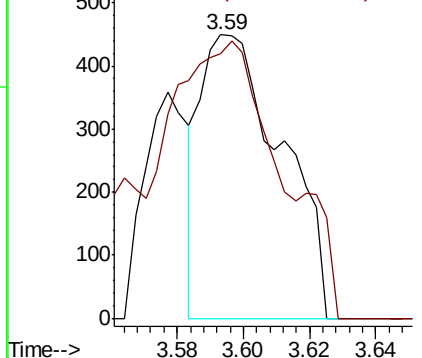


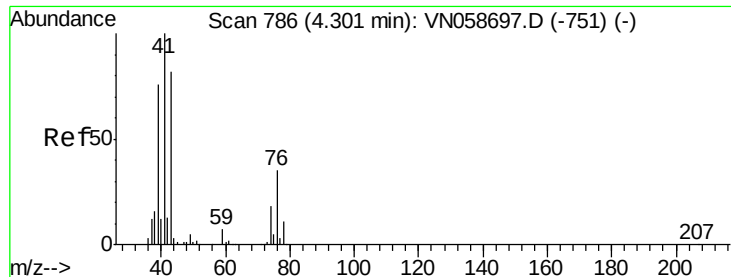
#13
 Acrolein
 Concen: 1.080 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion: 56 Resp: 761
 Ion Ratio Lower Upper
 56 100
 55 132.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO





#14

Allvl chloride

Concen: 41.343 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.23 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampled :

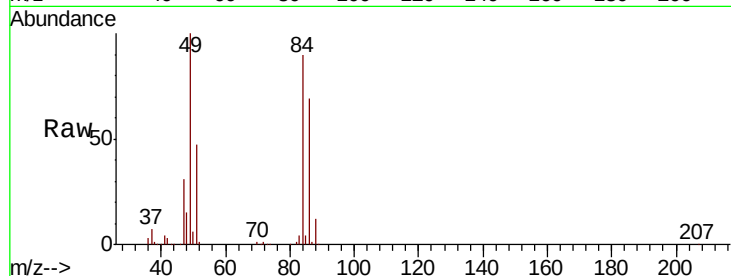
Tot Ion: 41 Resp: 309519

Ion Ratio Lower Upper

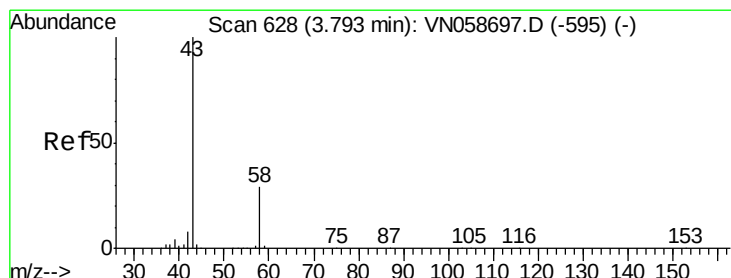
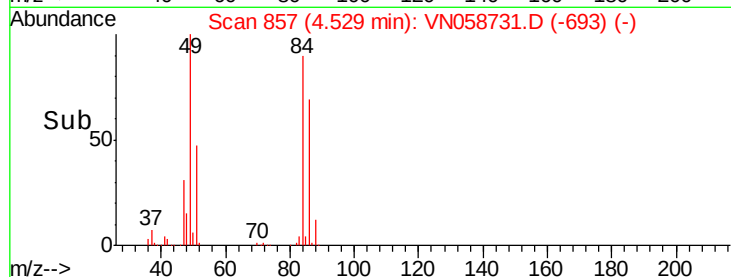
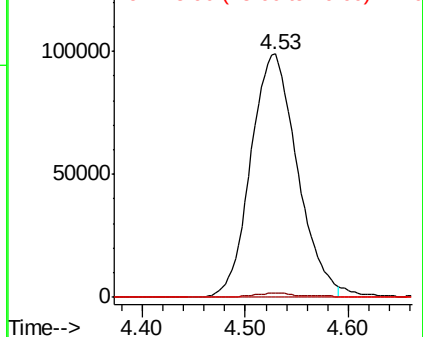
41 100

39 1.7 57.2 85.8#

76 0.0 25.0 37.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 31.088 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058731.D

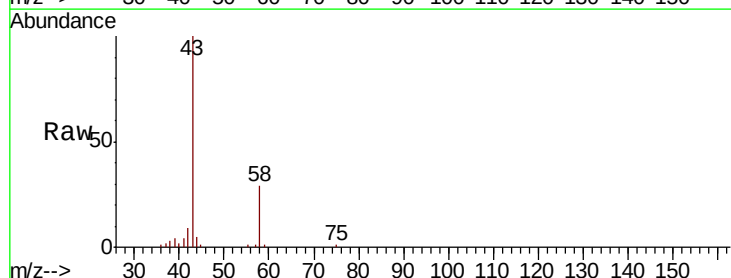
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 69602

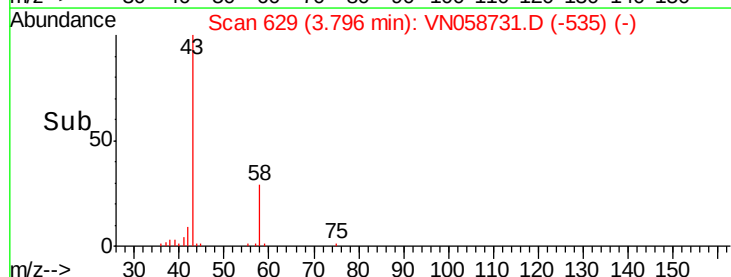
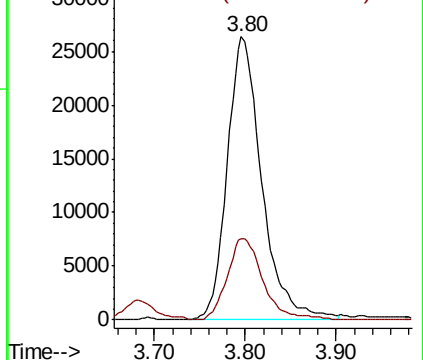
Ion Ratio Lower Upper

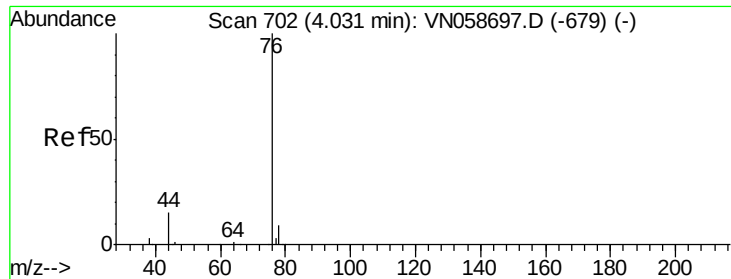
43 100

58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

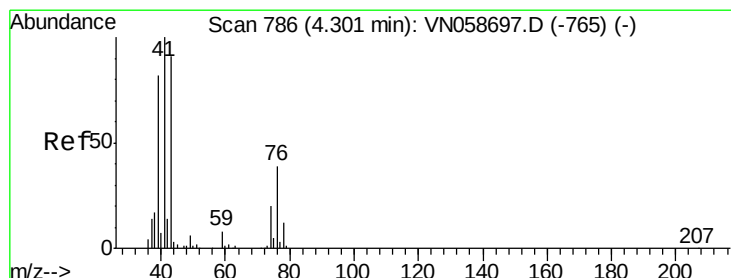
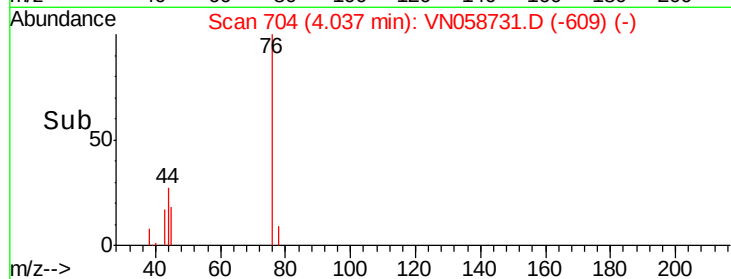
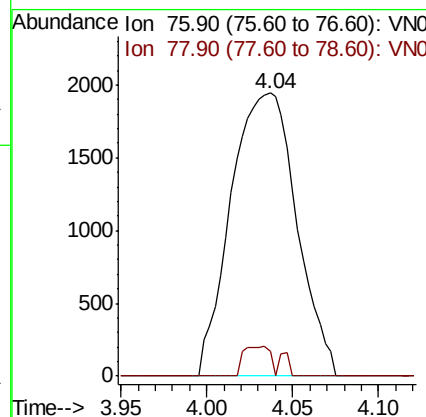
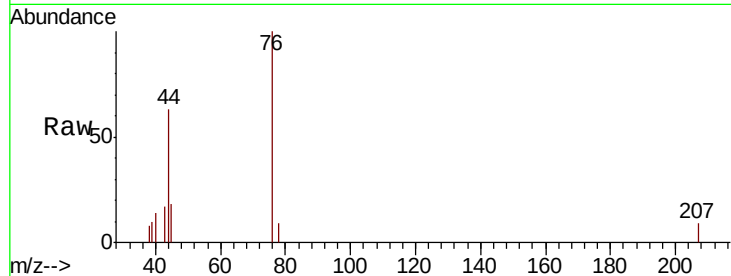




#17
Carbon Disulfide
Concen: 0.435 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

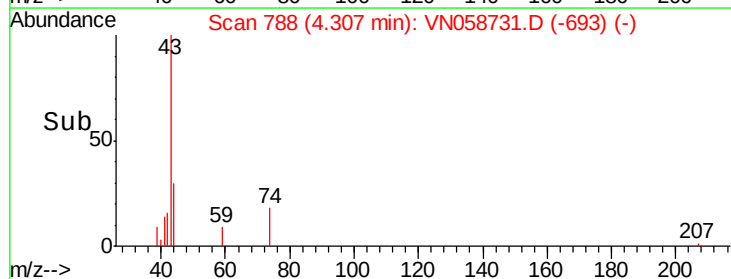
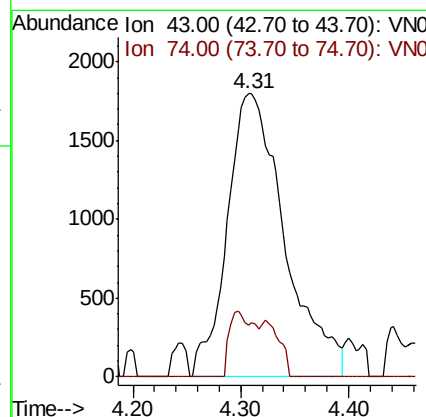
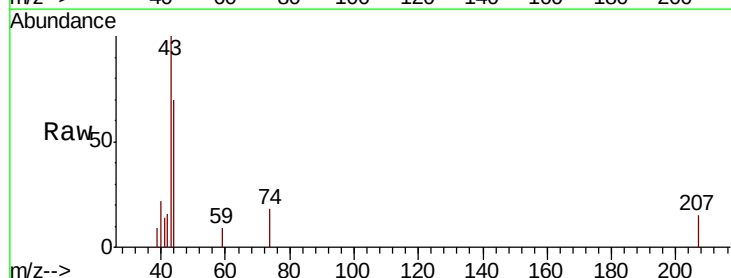
Instrument :
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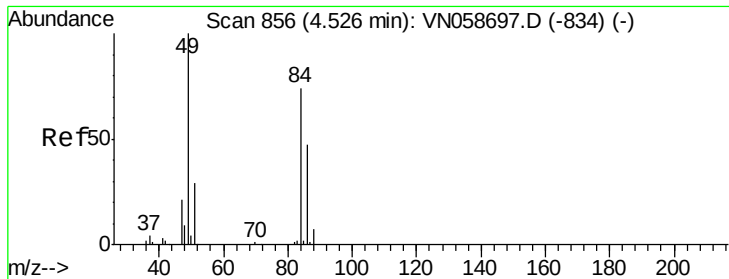
Tot Ion: 76 Resp: 5154
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 6689
Ion Ratio Lower Upper
43 100
74 9.9 17.2 25.8#

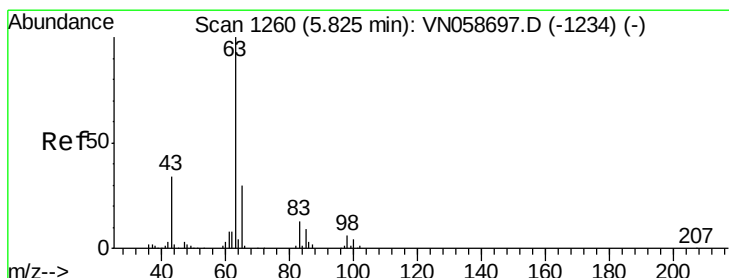
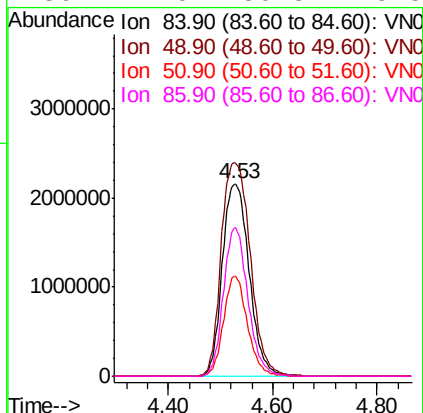
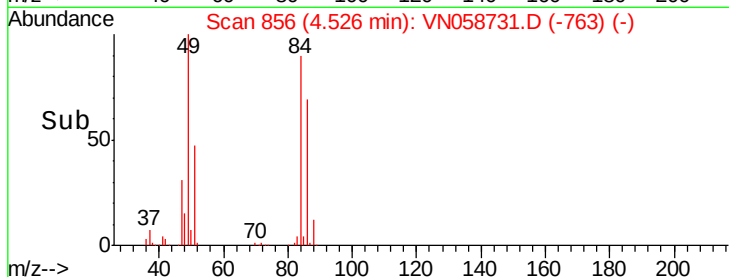
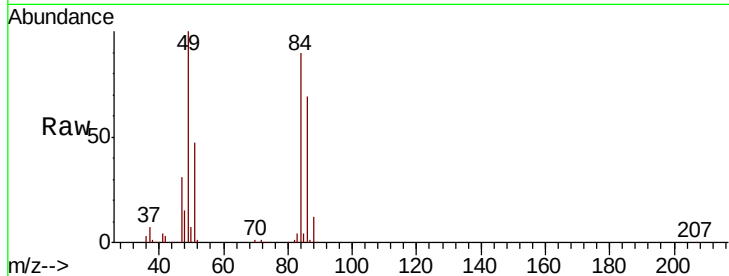




#20
Methylene Chloride
Concen: 1654.931 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

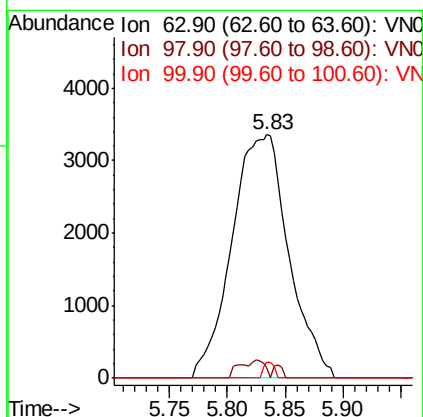
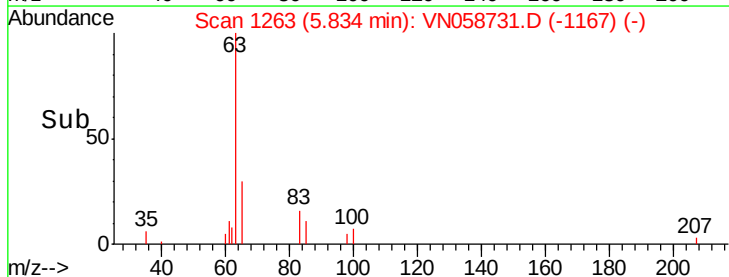
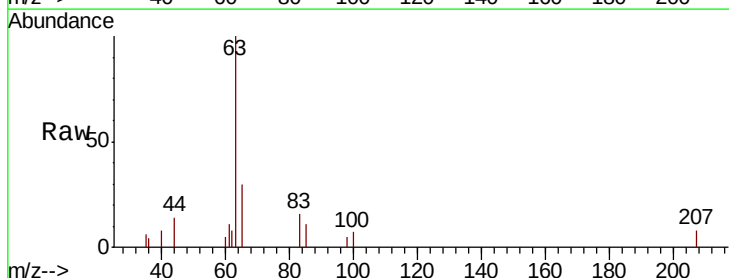
Instrument :
MSVOA_N
ClientSampleId :

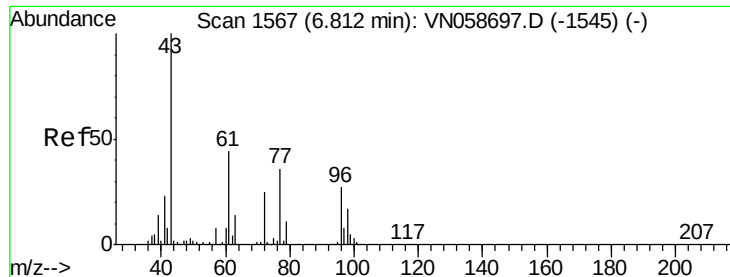
Tot Ion: 84 Resp: 7743700
Ion Ratio Lower Upper
84 100
49 111.2 107.6 161.4
51 52.3 31.4 47.0#
86 77.0 50.3 75.5#



#24
1,1-Dichloroethane
Concen: 1.378 ug/l
RT: 5.83 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 63 Resp: 11425
Ion Ratio Lower Upper
63 100
98 4.6 2.9 8.6
100 6.7 1.8 5.5#

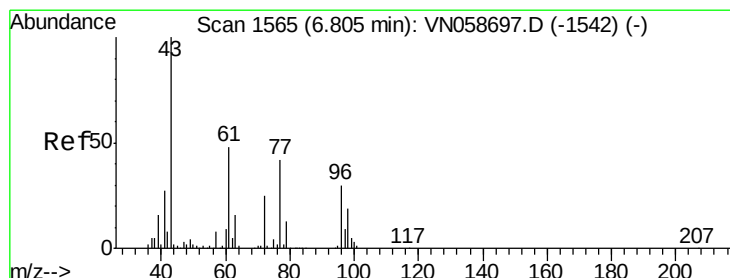
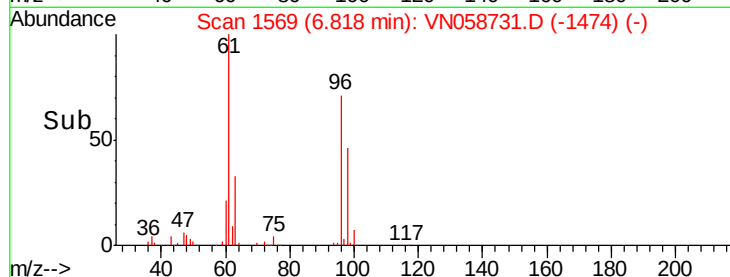
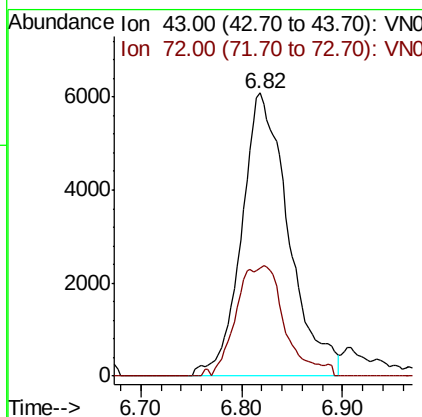
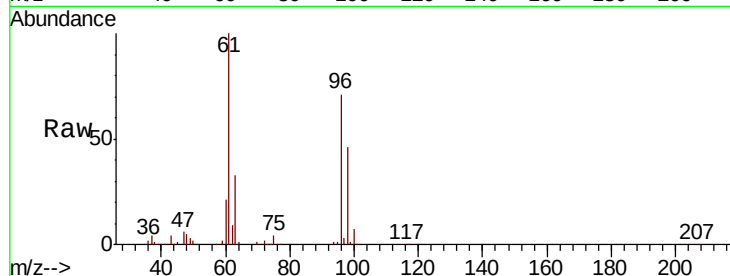




#25
2-Butanone
Concen: 6.094 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

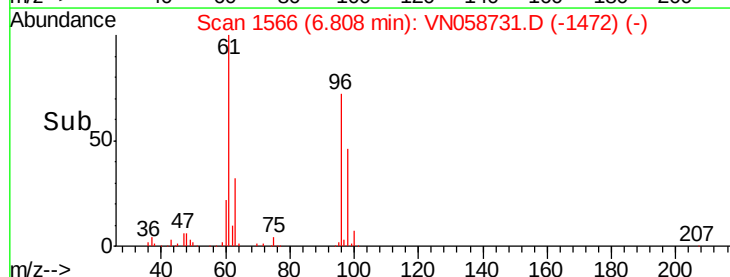
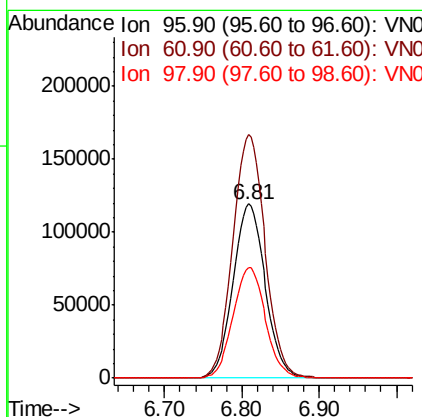
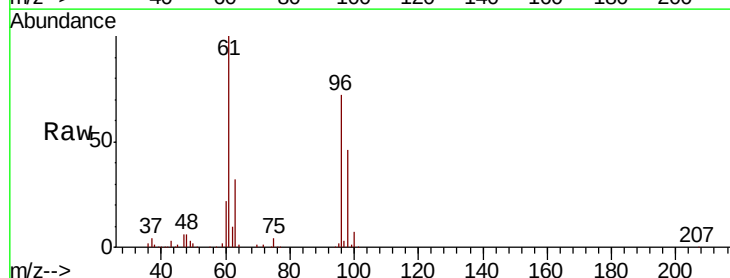
Instrument :
MSVOA_N
ClientSampled :

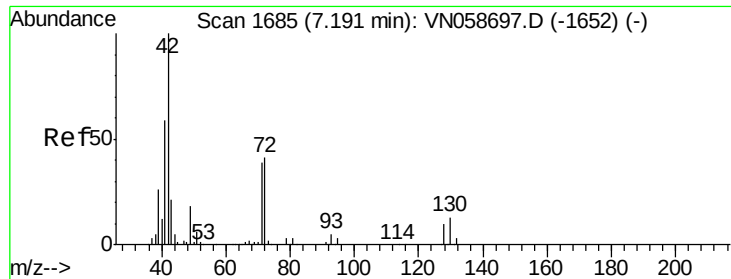
Tot Ion: 43 Resp: 19722
Ion Ratio Lower Upper
43 100
72 38.0 20.2 30.2#



#27
cis-1,2-Dichloroethene
Concen: 71.235 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 96 Resp: 344704
Ion Ratio Lower Upper
96 100
61 140.2 0.0 324.8
98 64.0 0.0 129.2

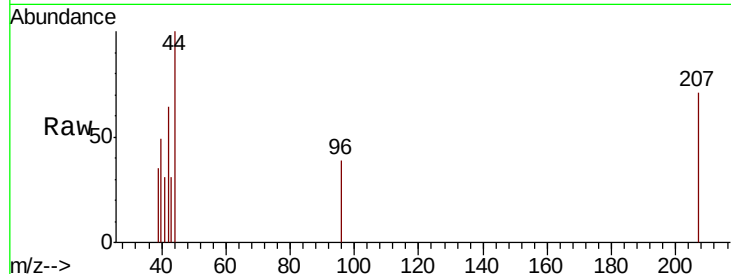




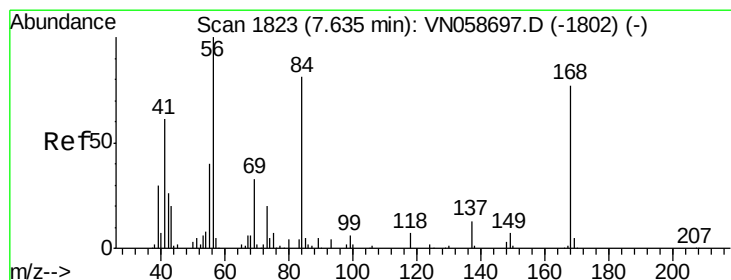
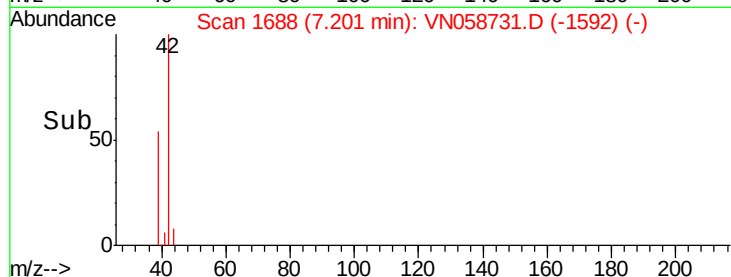
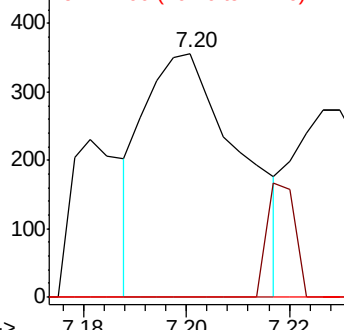
#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 462
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.1 46.7#

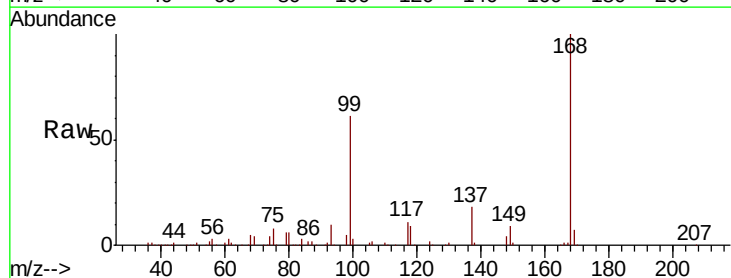


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

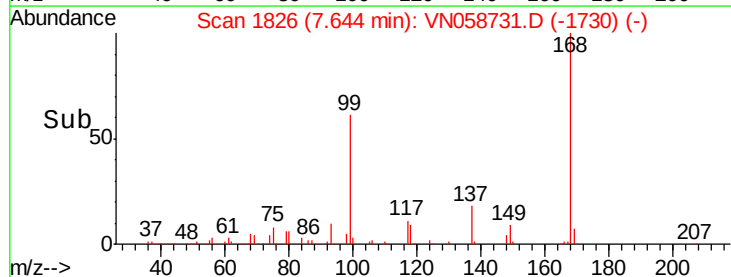
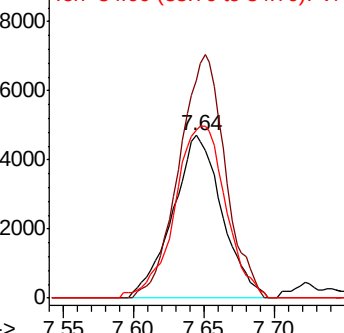


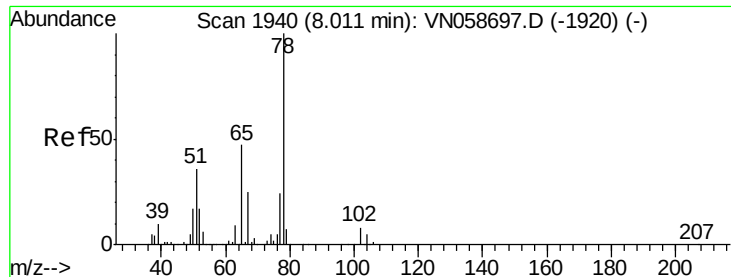
#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 56 Resp: 11535
Ion Ratio Lower Upper
56 100
69 134.4 26.2 39.4#
84 103.8 64.9 97.3#



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

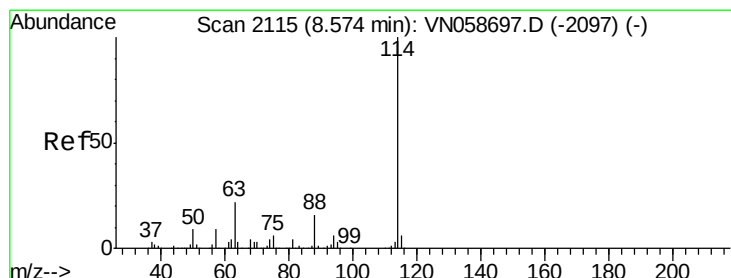
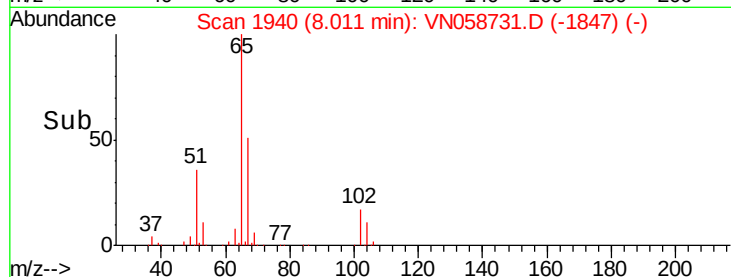
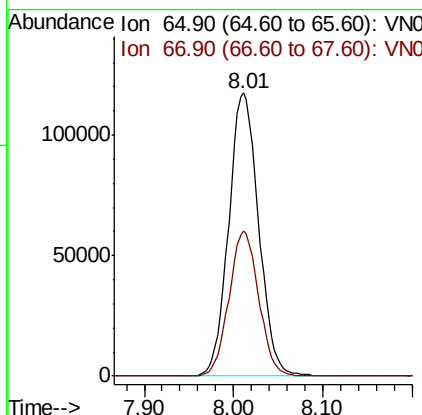
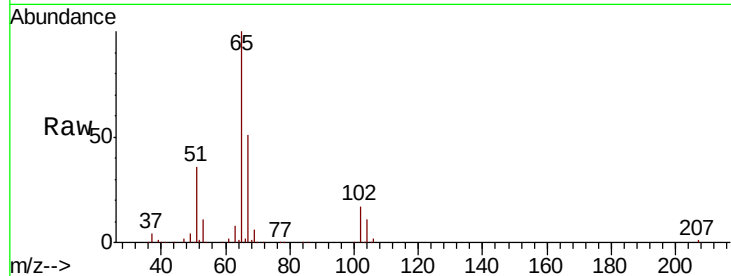




#33
 1,2-Dichloroethane-d4
 Concen: 50.589 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

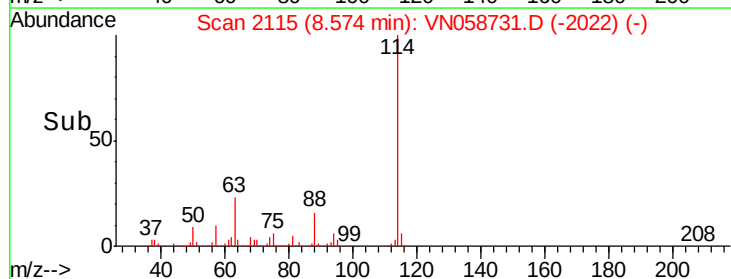
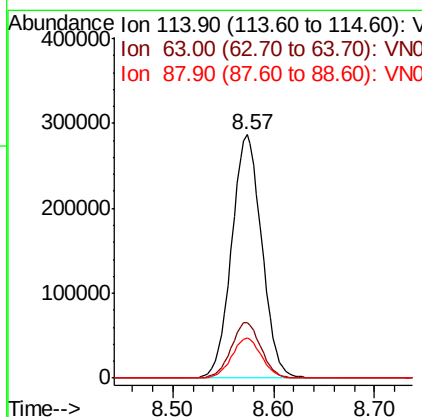
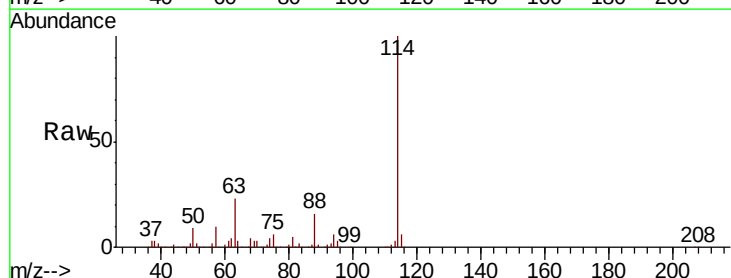
Instrument :
 MSVOA_N
 ClientSampled :

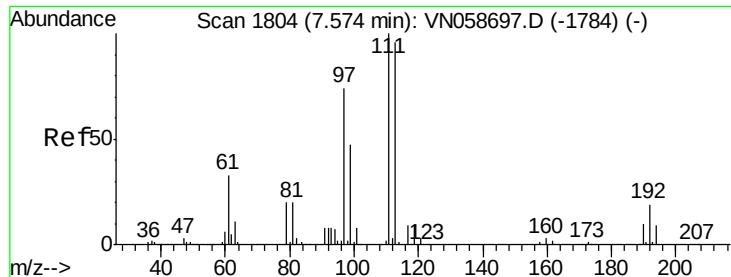
Tot Ion: 65 Resp: 273588
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion: 114 Resp: 593842
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.3 0.0 32.0

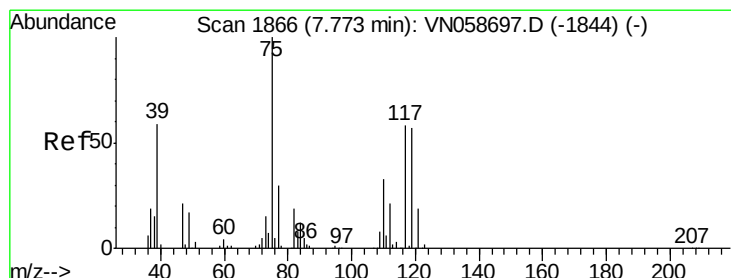
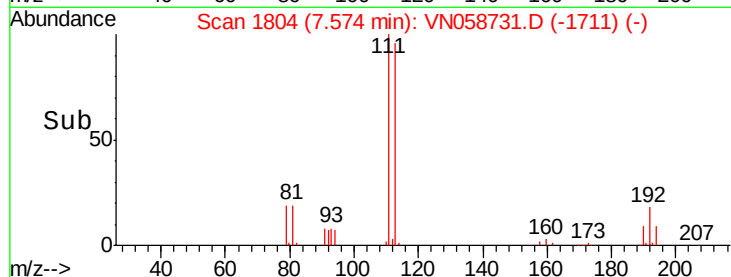
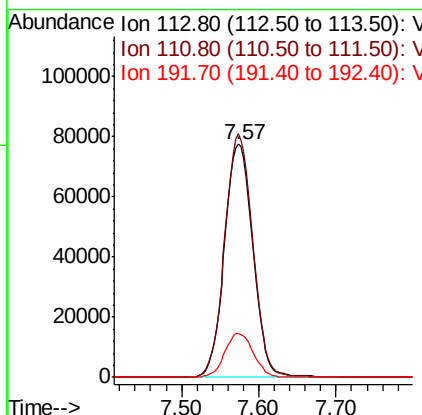
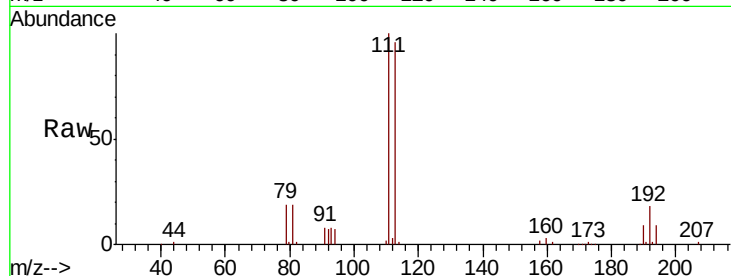




#35
 Dibromofluoromethane
 Concen: 53.967 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

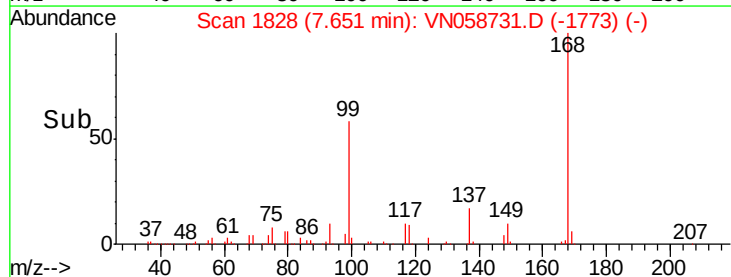
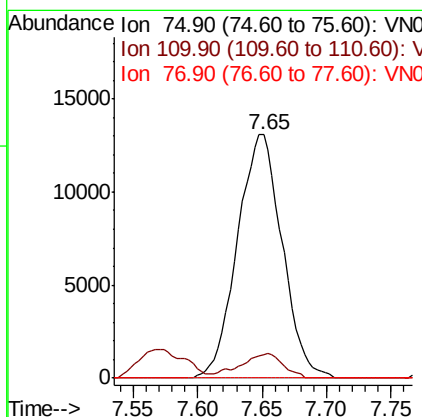
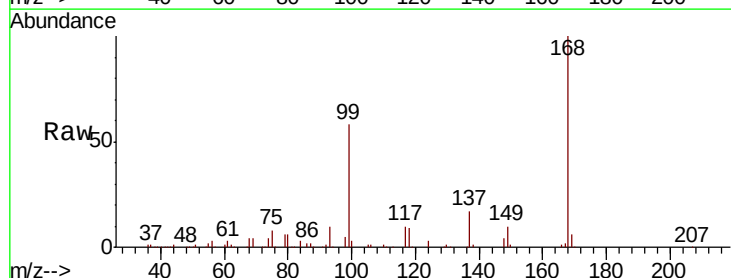
Instrument :
 MSVOA_N
 ClientSampleId :

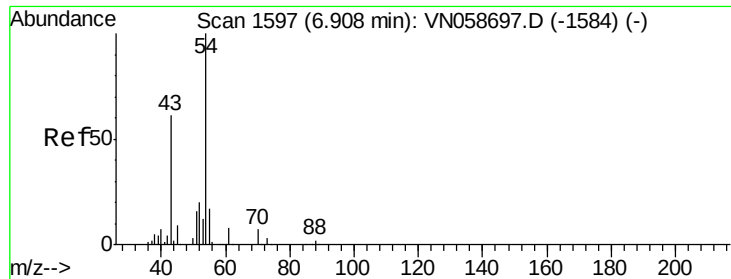
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	18.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.6	49.8#
77	0.0	24.6	37.0#

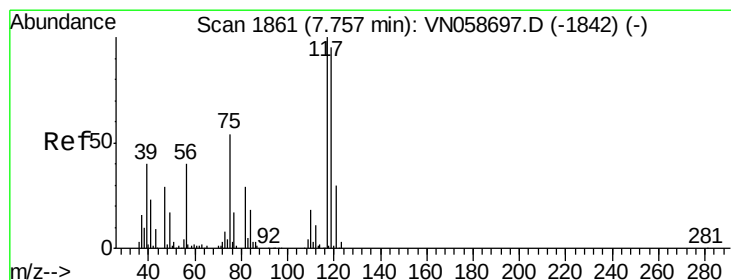
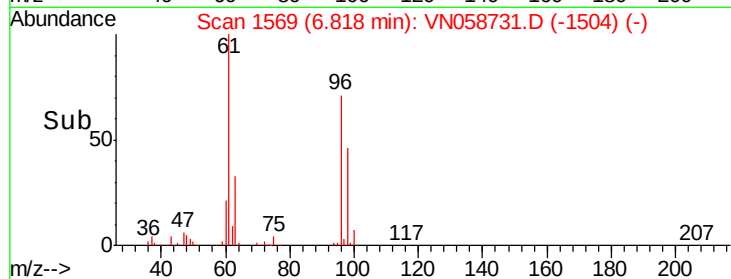
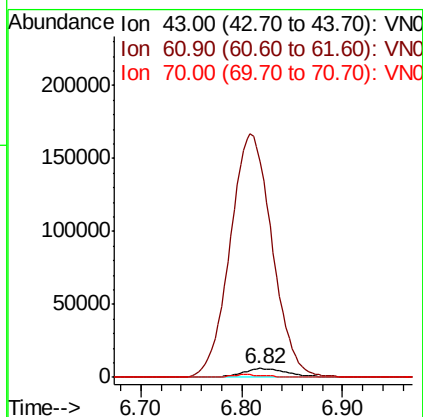
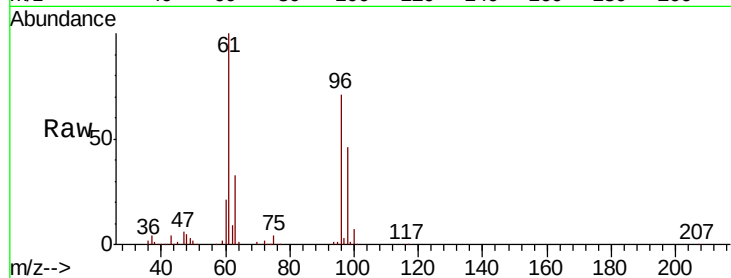




#37
Ethyl Acetate
Concen: 3.248 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.09 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

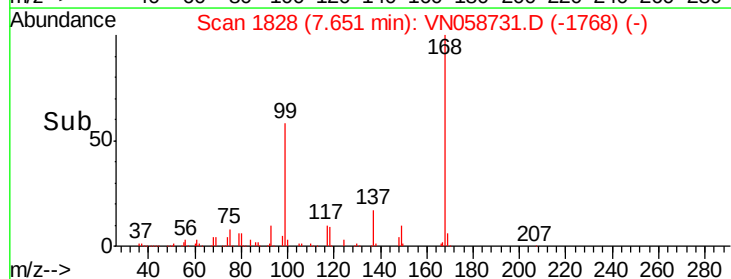
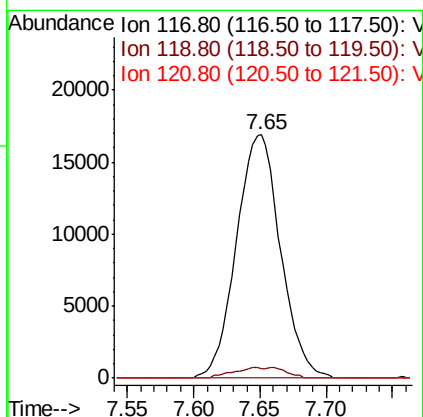
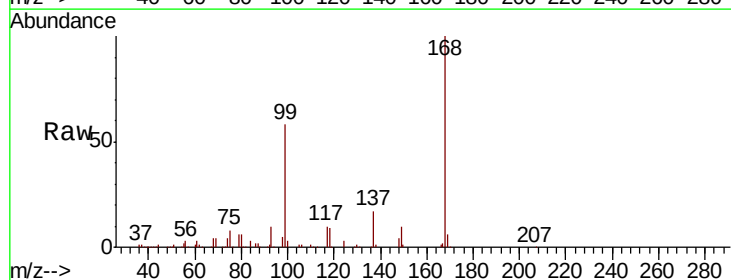
Instrument :
MSVOA_N
ClientSampleId :

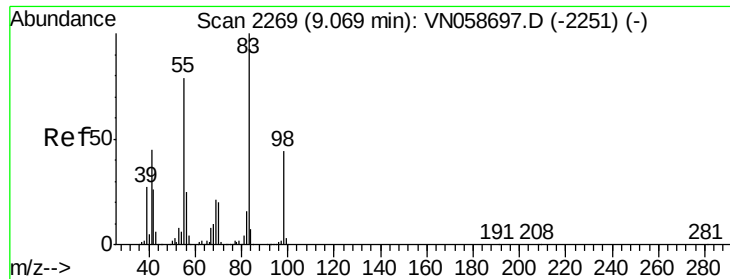
Tot Ion: 43 Resp: 19722
Ion Ratio Lower Upper
43 100
61 2450.8 11.3 16.9#
70 24.4 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 117 Resp: 39075
Ion Ratio Lower Upper
117 100
119 4.0 75.7 113.5#
121 0.0 23.9 35.9#

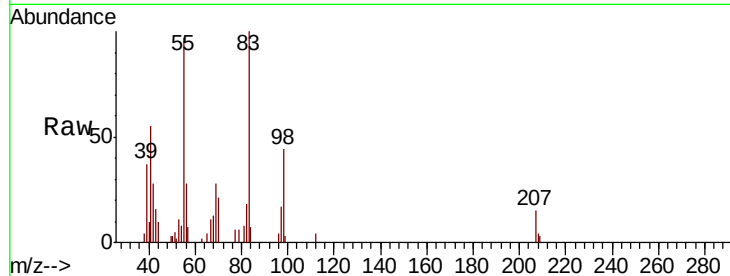




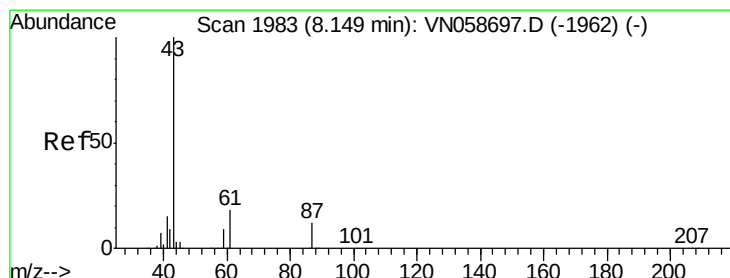
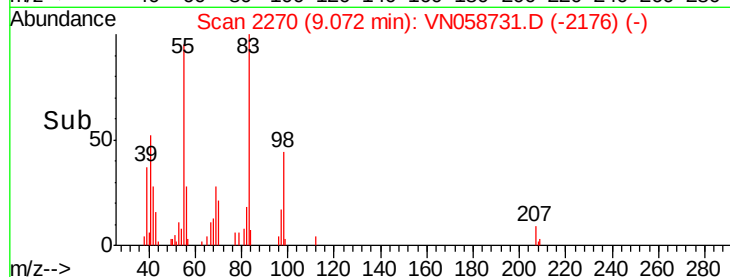
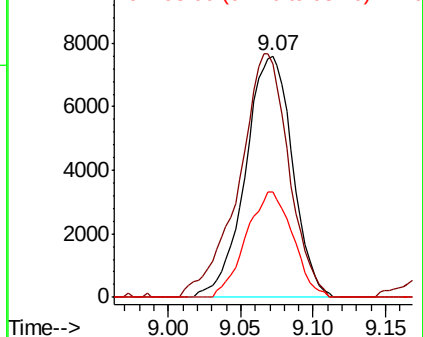
#39
Methylvlcyclohexane
Concen: 2.461 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 17144
Ion Ratio Lower Upper
83 100
55 96.8 63.4 95.0#
98 43.6 35.1 52.7

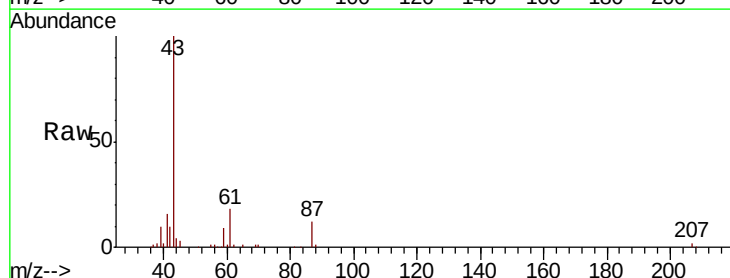


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

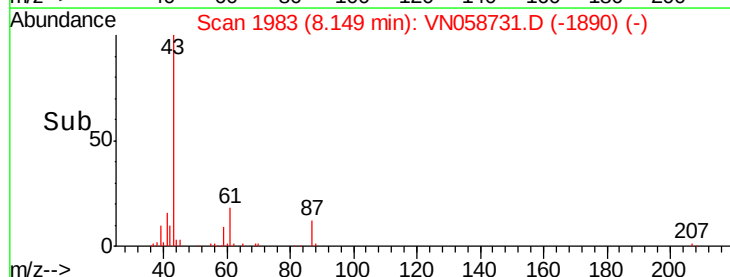
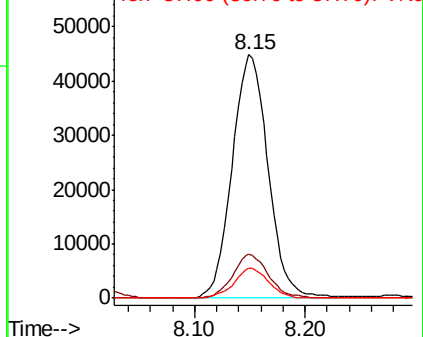


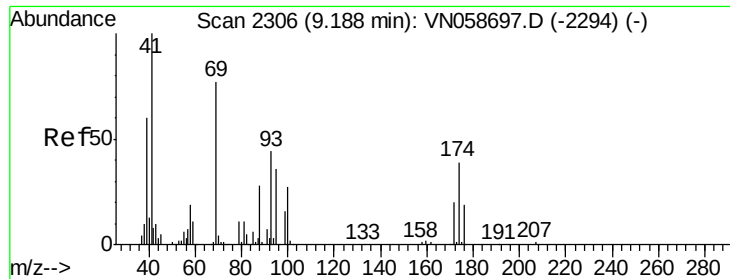
#43
Isopropyl Acetate
Concen: 9.789 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 101265
Ion Ratio Lower Upper
43 100
61 17.9 20.3 30.5#
87 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

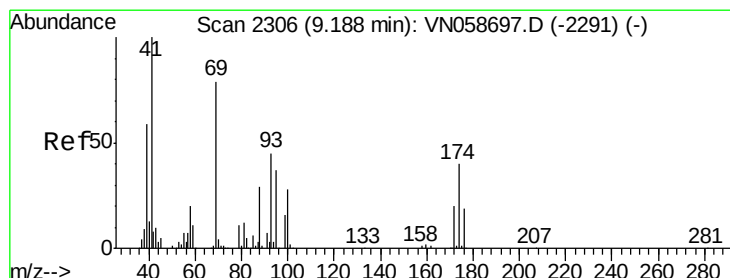
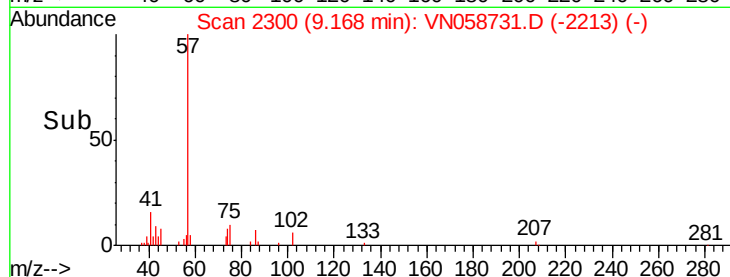
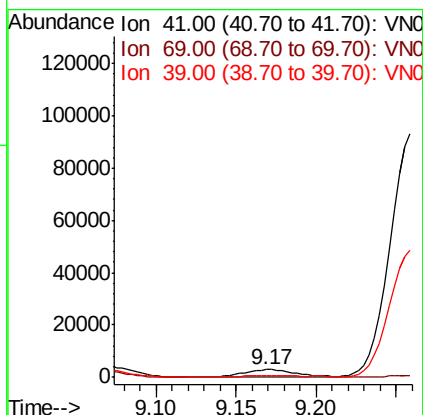
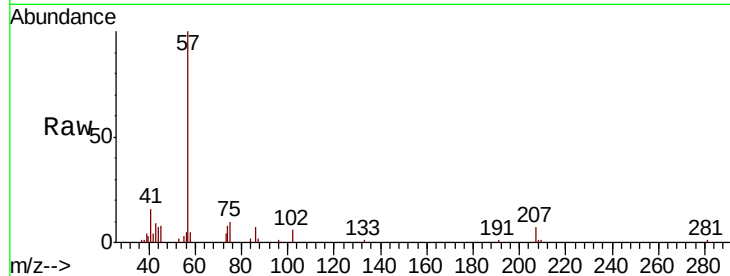




#48
Methvl methacrylate
Concen: 1.440 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

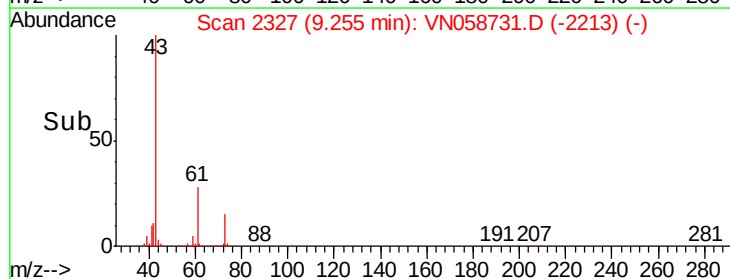
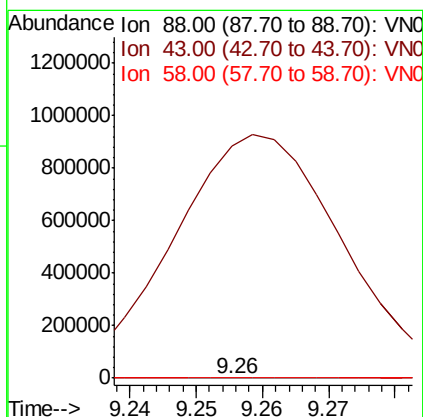
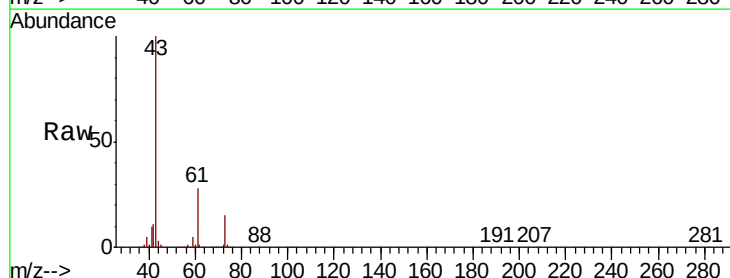
Instrument :
MSVOA_N
ClientSampleId :

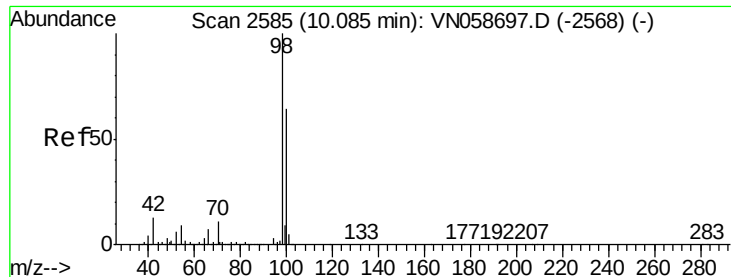
Tot Ion: 41 Resp: 6750
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 1.861 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 1260415.6 28.6 43.0#
58 5660.0 57.2 85.8#





#50

Toluene-d8

Concen: 52.622 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

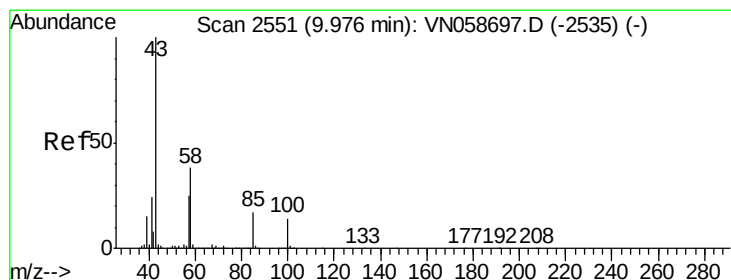
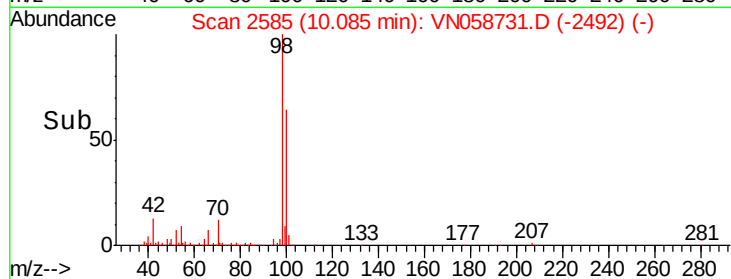
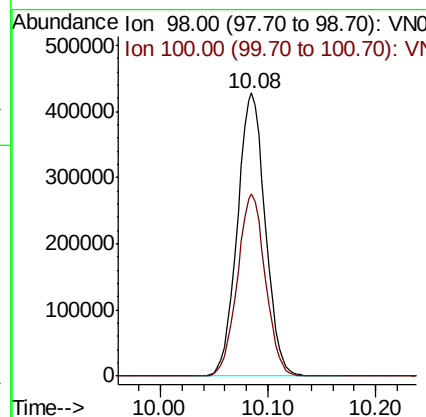
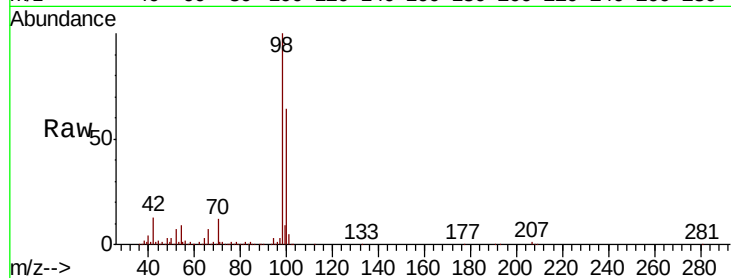
ClientSampled :

Tot Ion: 98 Resp: 771852

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 1.263 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058731.D

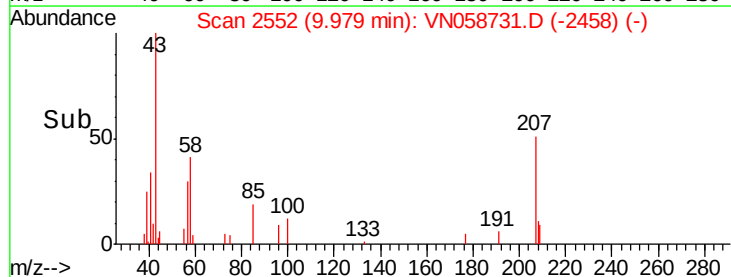
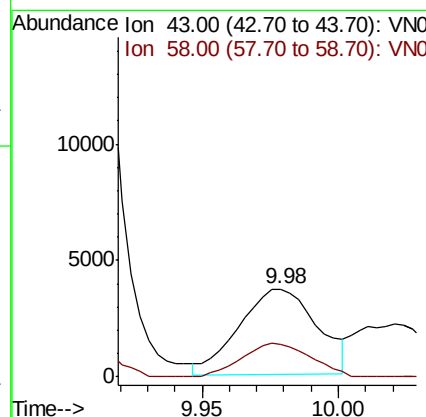
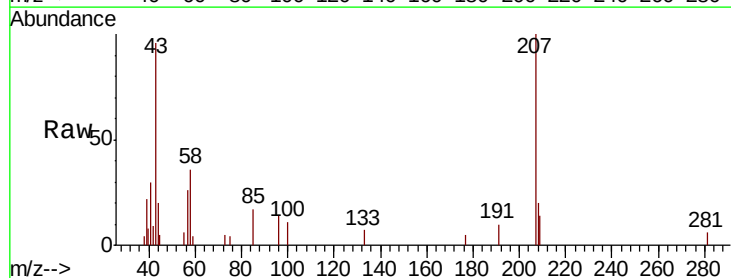
Acq: 12 Oct 2019 3:01

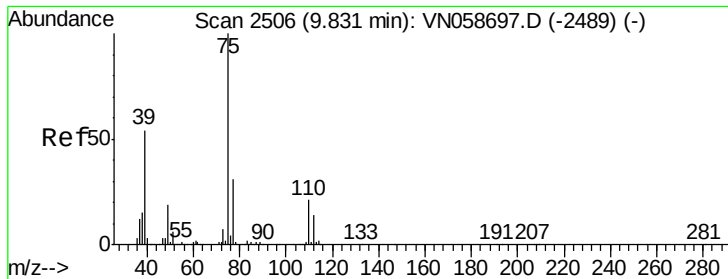
Tgt Ion: 43 Resp: 7339

Ion Ratio Lower Upper

43 100

58 34.6 30.3 45.5



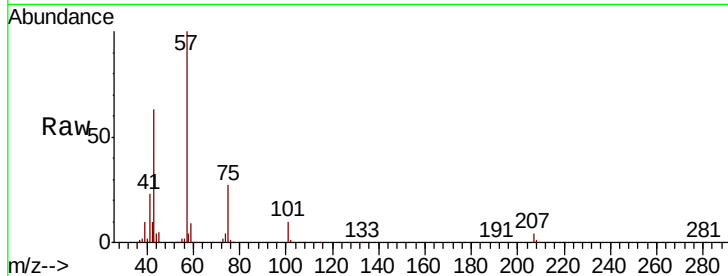


#54

cis-1,3-Dichloropropene
 Concen: 5.315 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.8	24.4	36.6#
39	36.5	43.1	64.7#

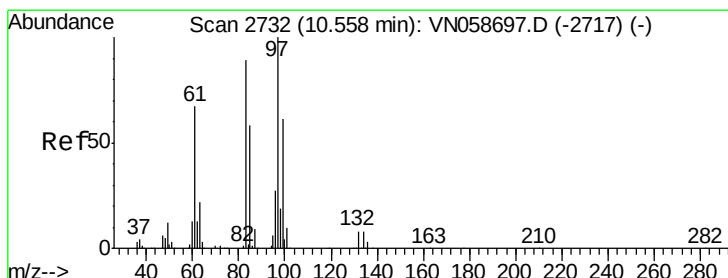
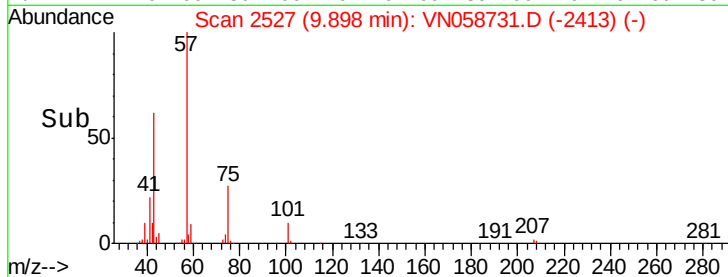
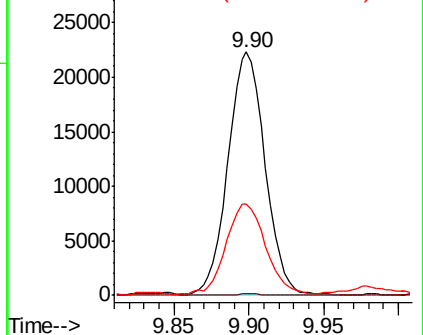


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

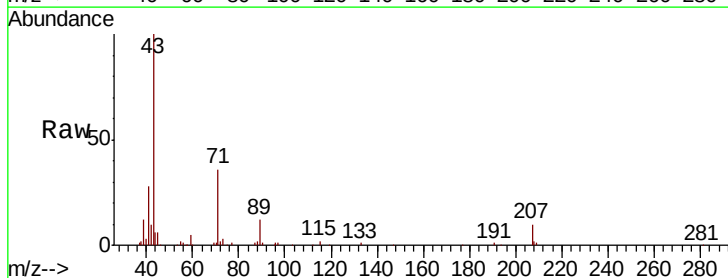
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane
 Concen: 0.304 ug/l
 RT: 10.53 min Scan# 2722
 Delta R.T. -0.03 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.2	106.8#
85	0.0	46.7	70.1#
99	0.0	49.0	73.6#



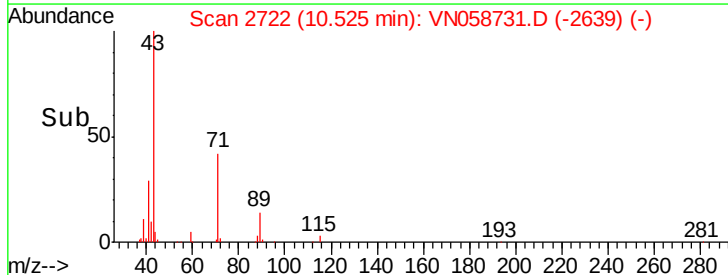
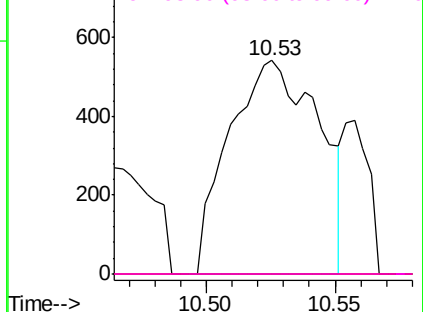
Abundance

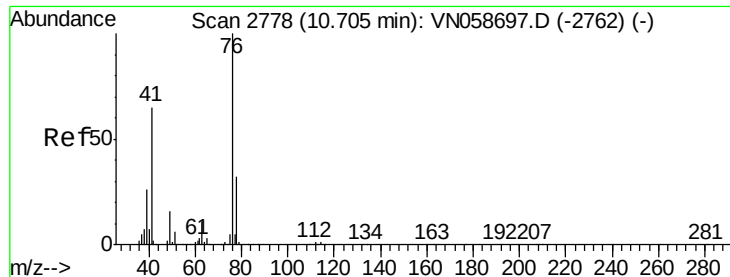
Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#57

1,3-Dichloropropane

Concen: 0.971 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

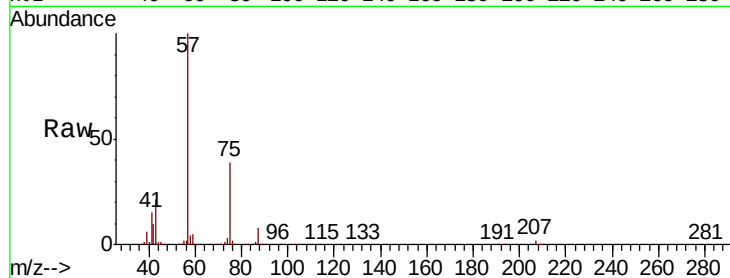
ClientSampled :

Tot Ion: 76 Resp: 7145

Ion Ratio Lower Upper

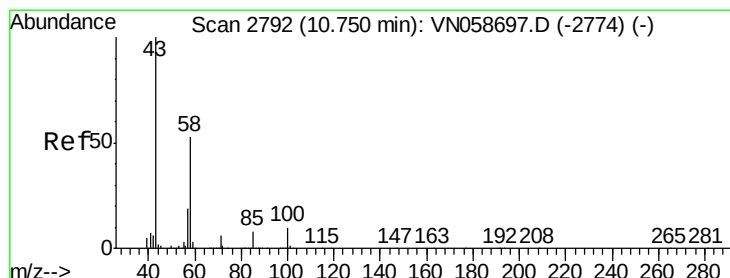
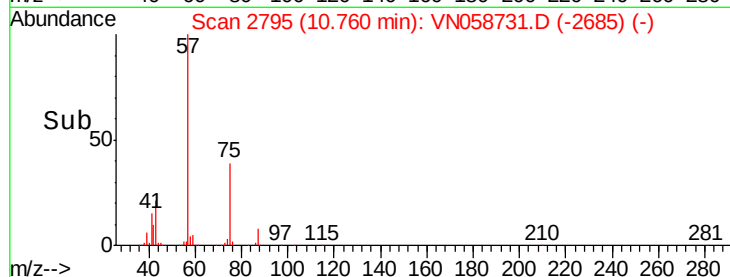
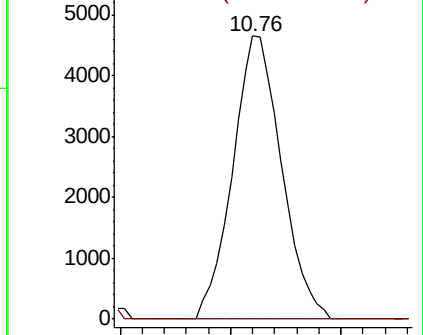
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 23.520 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058731.D

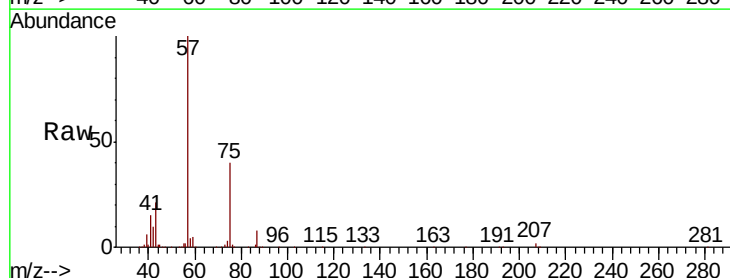
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 105597

Ion Ratio Lower Upper

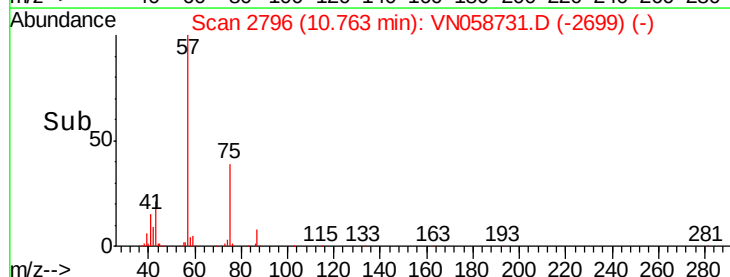
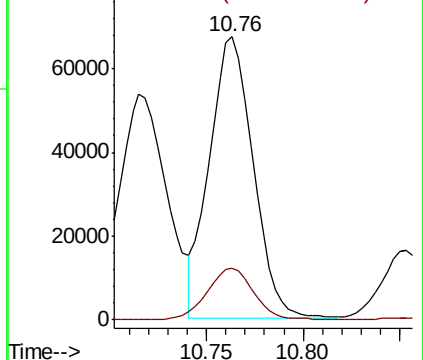
43 100

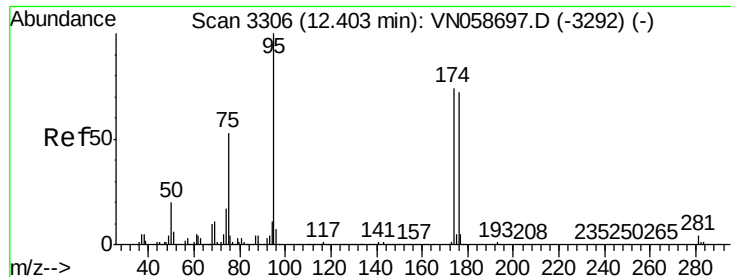
58 19.7 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.368 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

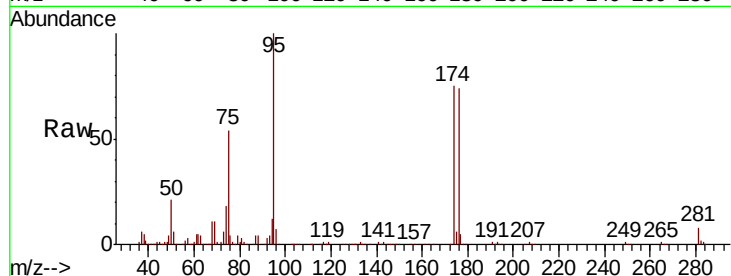
Tot Ion: 95 Resp: 257446

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

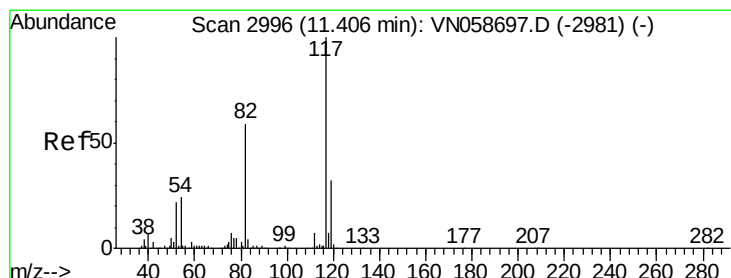
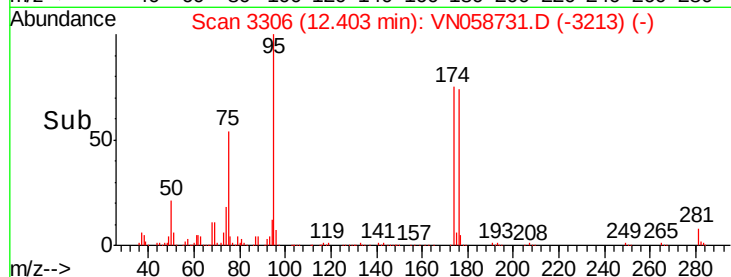
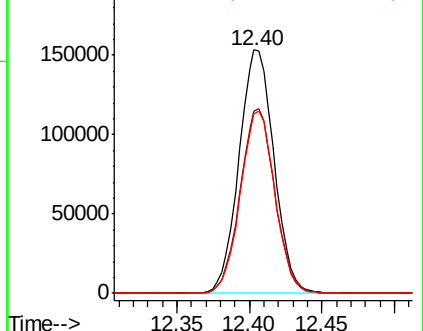
176 73.9 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058731.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058731.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058731.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

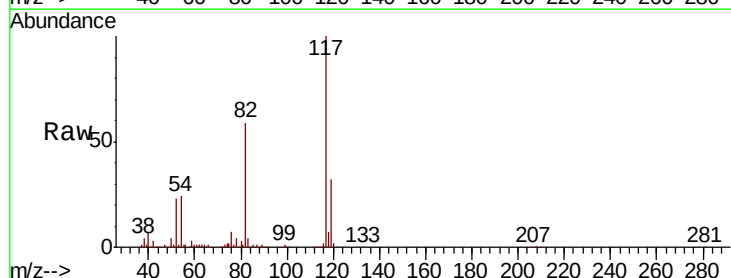
Tgt Ion: 117 Resp: 537918

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.4

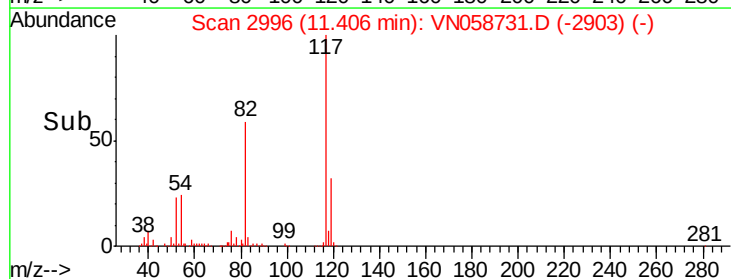
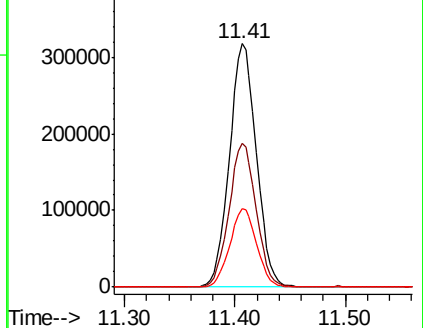
119 32.1 25.4 38.2

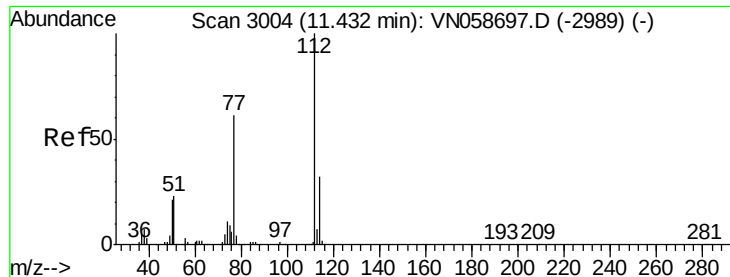


Abundance Ion 116.90 (116.60 to 117.60): VN058731.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058731.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058731.D (-2981) (-)

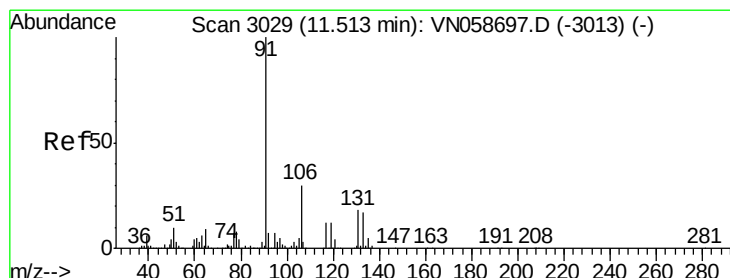
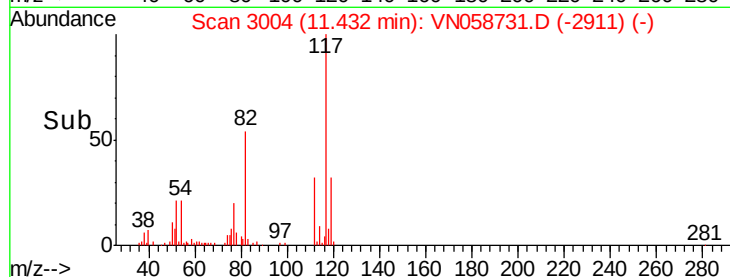
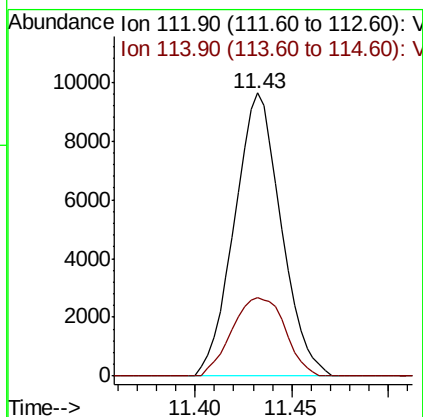
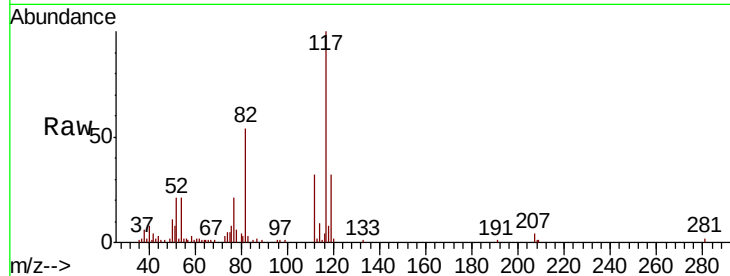




#65
Chlorobenzene
Concen: 1.483 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

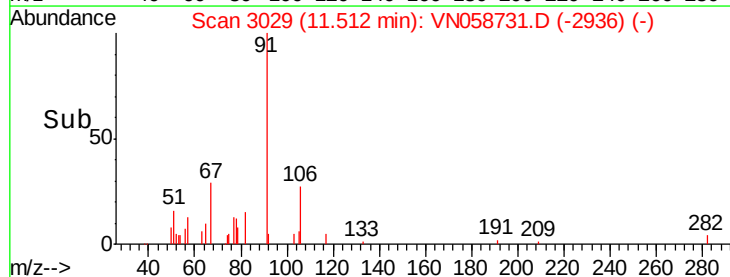
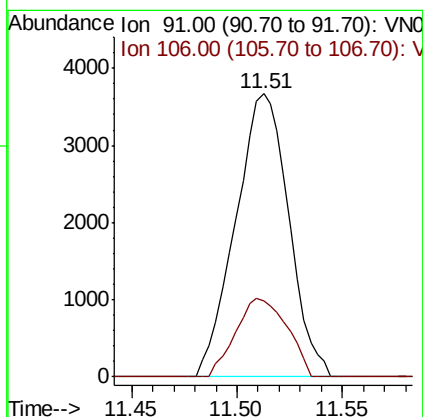
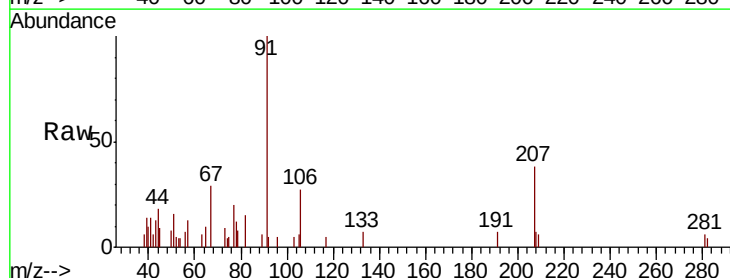
Instrument :
MSVOA_N
ClientSampled :

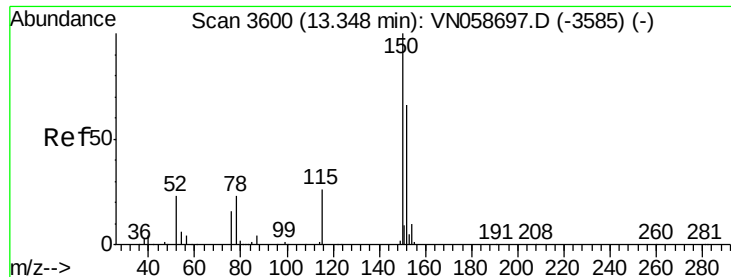
Tot Ion:112 Resp: 16195
Ion Ratio Lower Upper
112 100
114 27.5 25.2 37.8



#67
Ethyl Benzene
Concen: 0.330 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 91 Resp: 6430
Ion Ratio Lower Upper
91 100
106 27.0 24.1 36.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

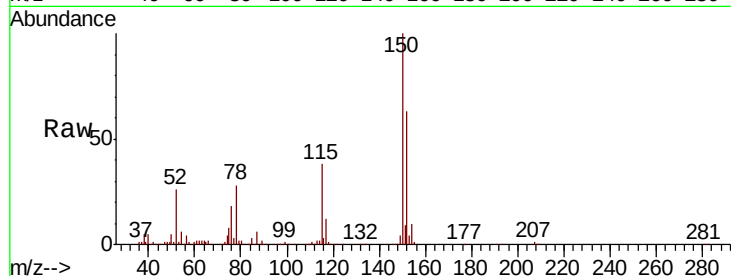
Tot Ion:152 Resp: 219670

Ion Ratio Lower Upper

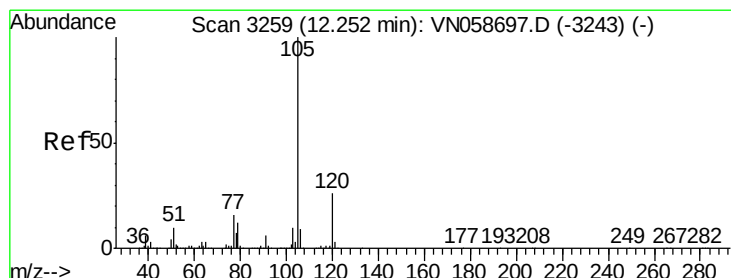
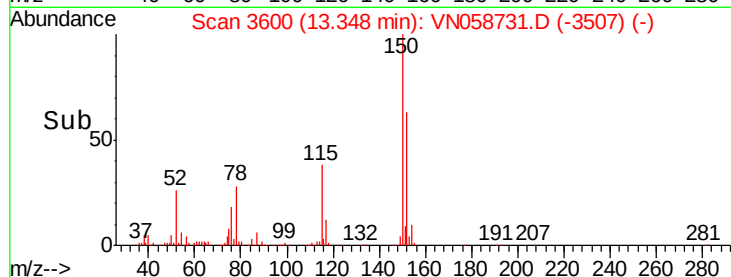
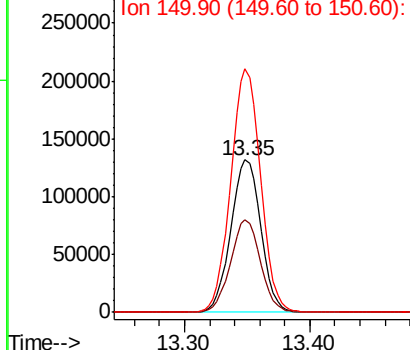
152 100

115 59.8 30.4 91.2

150 158.6 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



#73

Isopropylbenzene

Concen: 0.323 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058731.D

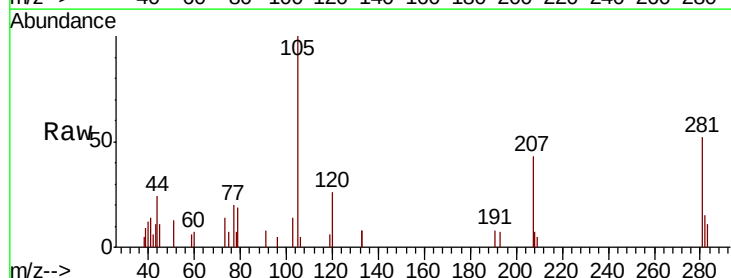
Acq: 12 Oct 2019 3:01

Tgt Ion:105 Resp: 5142

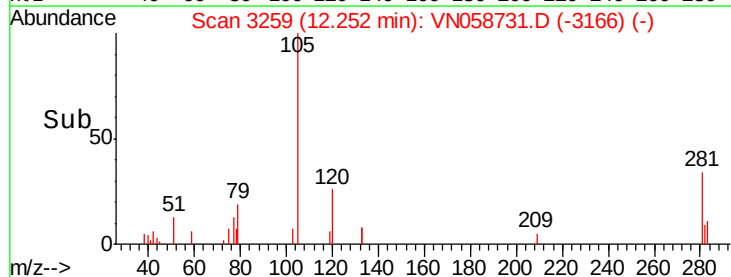
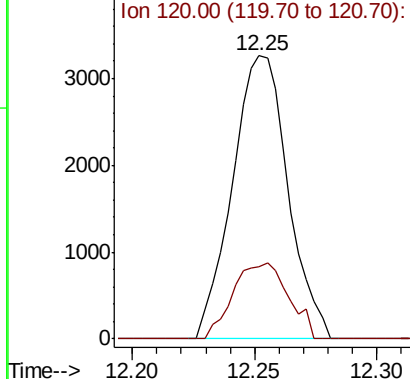
Ion Ratio Lower Upper

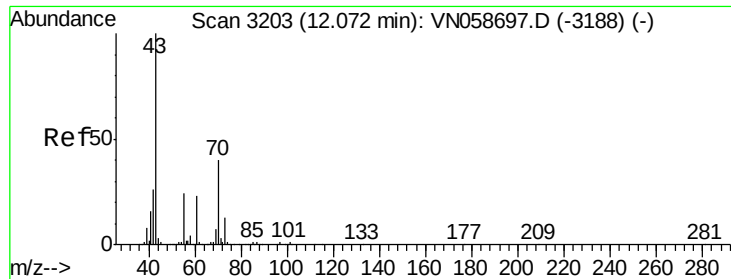
105 100

120 26.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.534 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3819

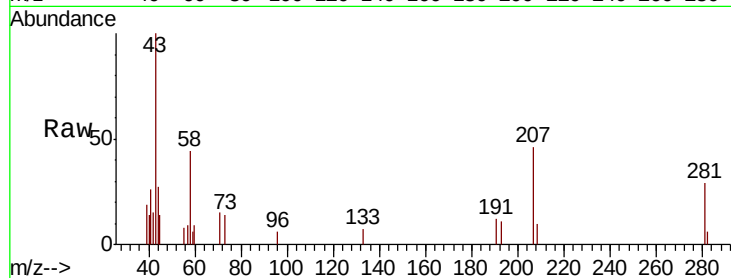
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 11.6 19.6 29.4#

61 0.0 18.6 28.0#

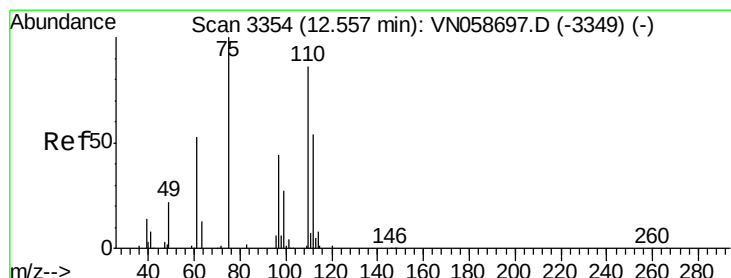
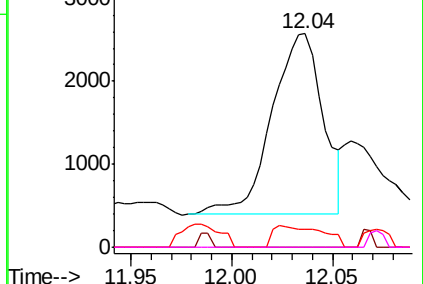
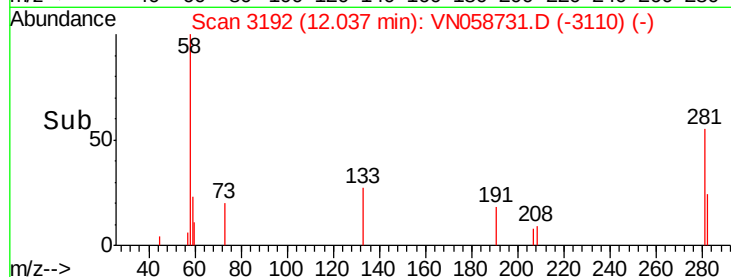


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.316 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058731.D

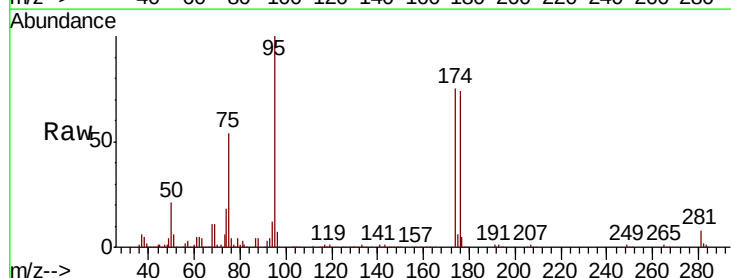
Acq: 12 Oct 2019 3:01

Tgt Ion: 75 Resp: 136454

Ion Ratio Lower Upper

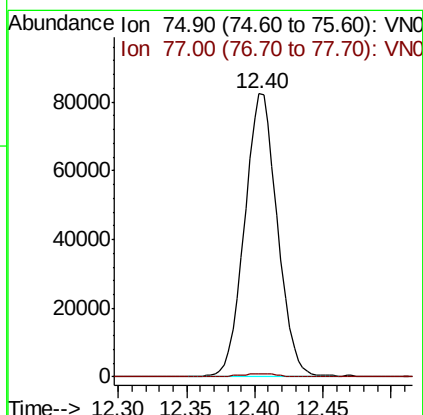
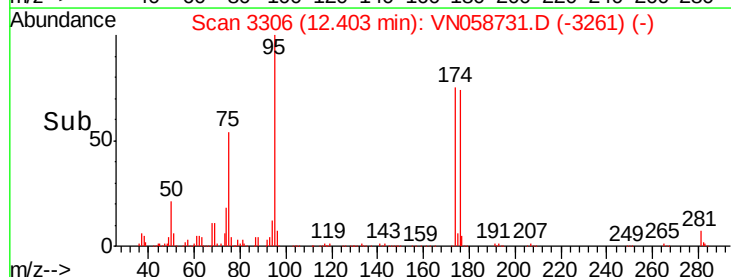
75 100

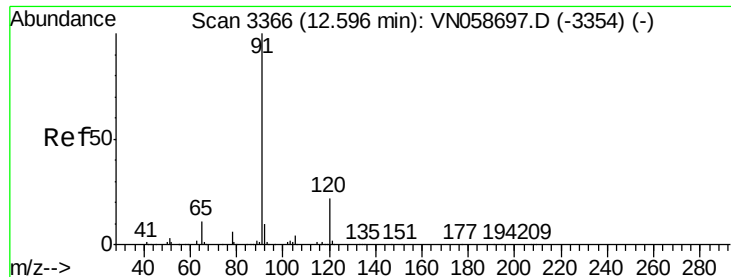
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.235 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

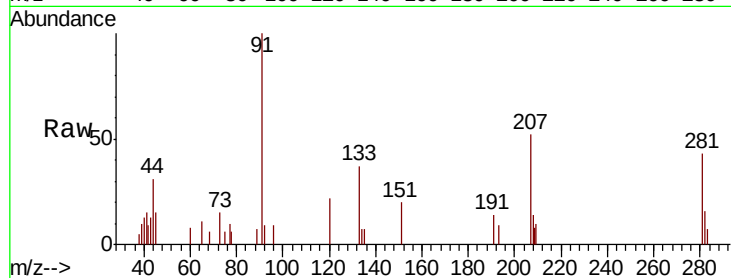
ClientSampled :

Tot Ion: 91 Resp: 4352

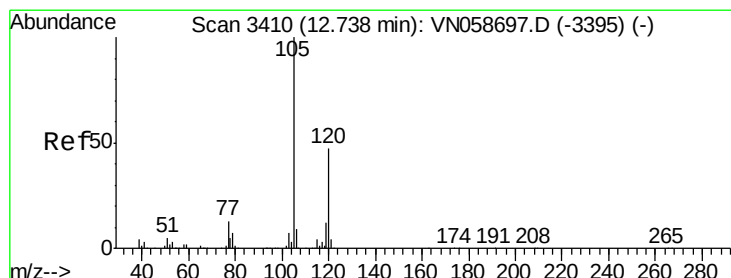
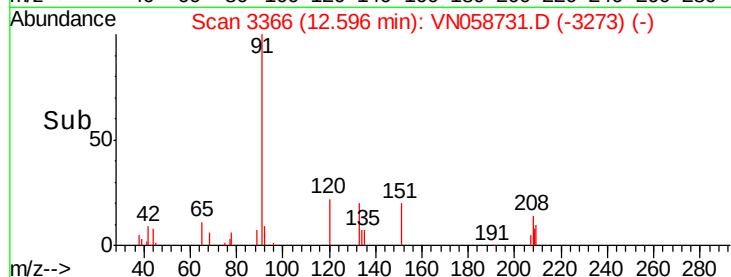
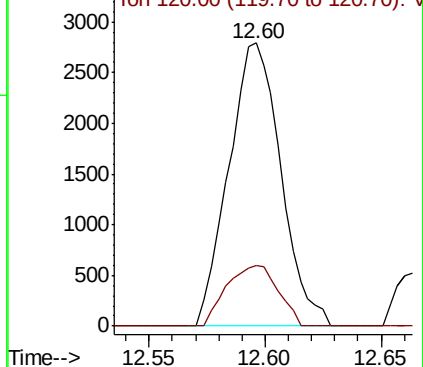
Ion Ratio Lower Upper

91 100

120 21.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN058731.D (-3273) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.333 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058731.D

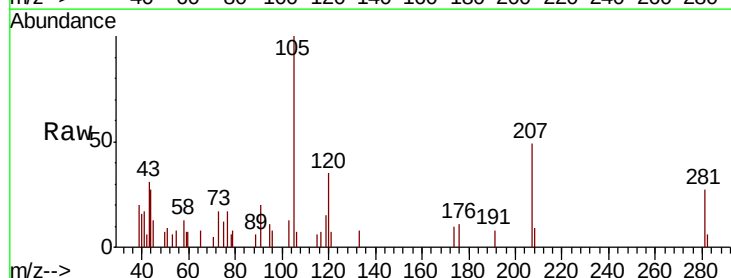
Acq: 12 Oct 2019 3:01

Tgt Ion: 105 Resp: 4520

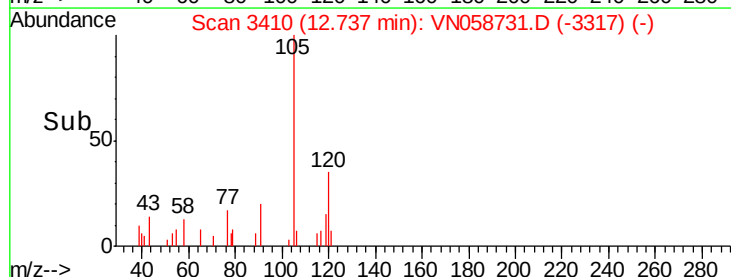
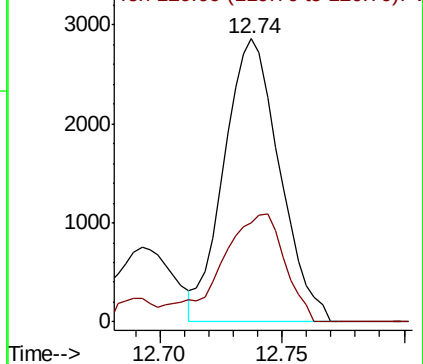
Ion Ratio Lower Upper

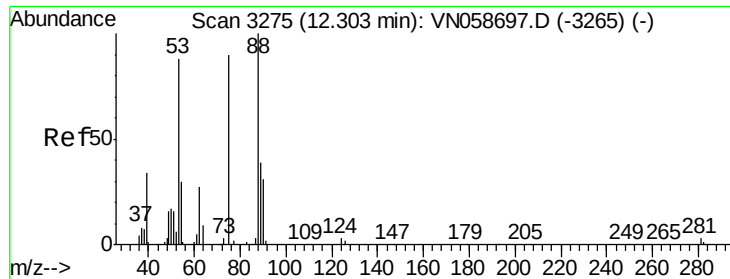
105 100

120 43.8 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058731.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 75.849 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampled :

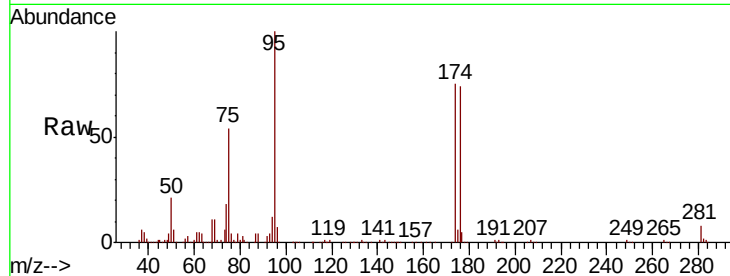
Tot Ion: 75 Resp: 136454

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

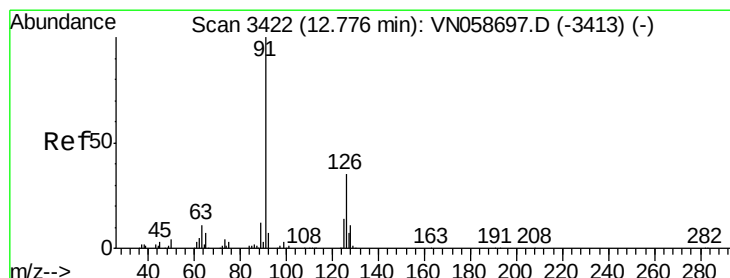
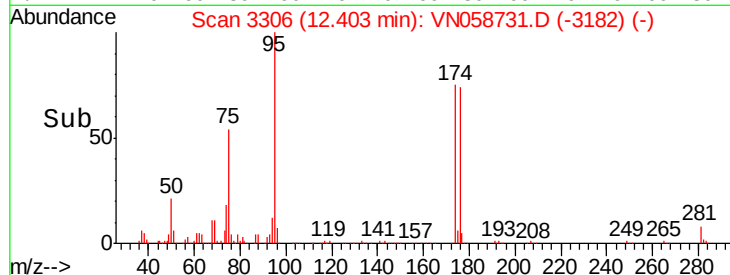
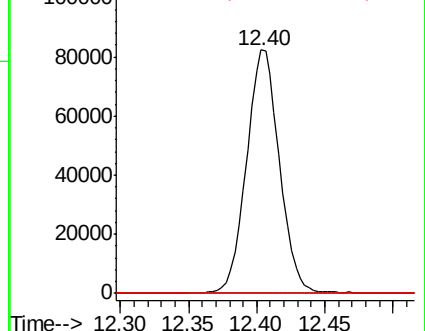
89 0.0 34.9 52.3#



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



#82

4-Chlorotoluene

Concen: 0.733 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058731.D

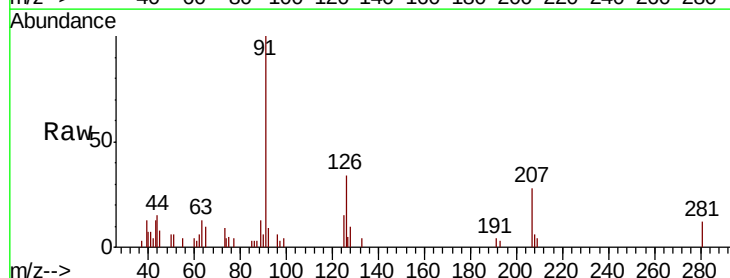
Acq: 12 Oct 2019 3:01

Tgt Ion: 91 Resp: 8654

Ion Ratio Lower Upper

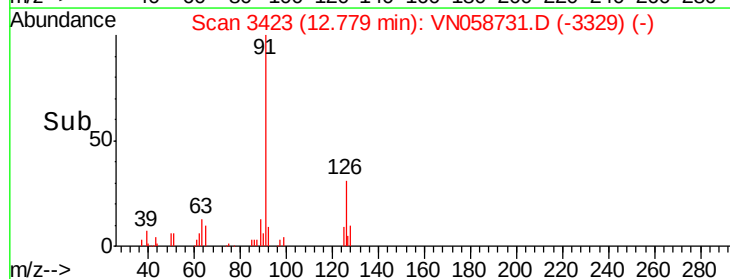
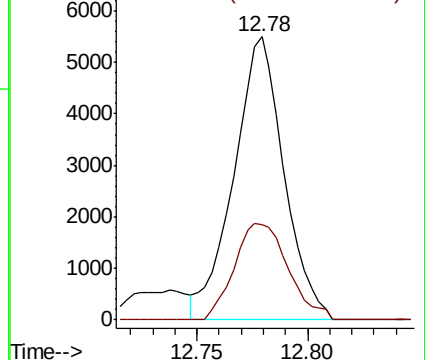
91 100

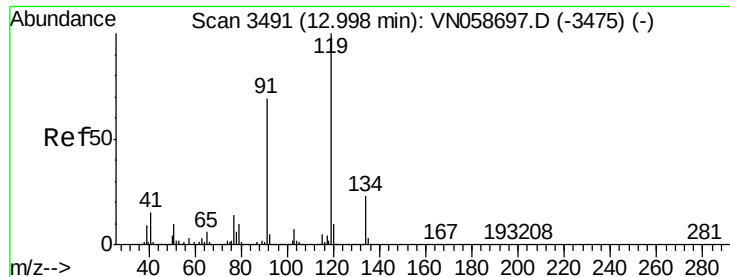
126 36.4 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

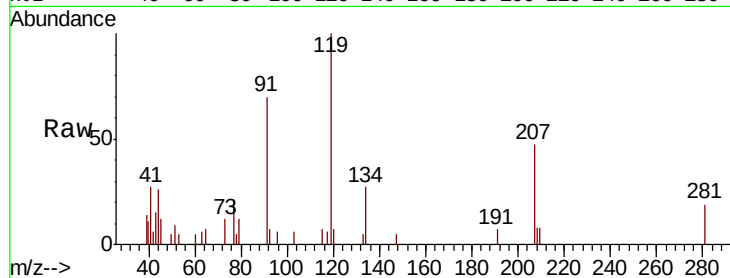




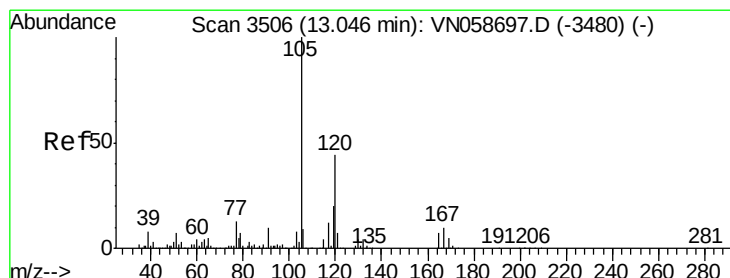
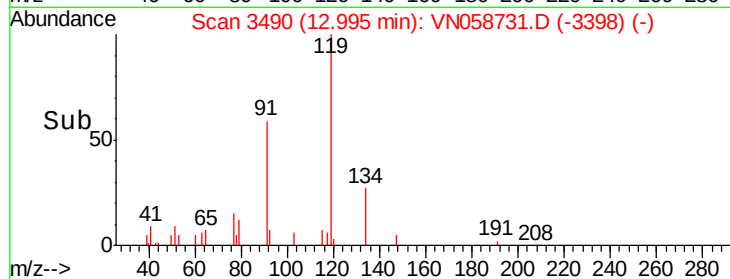
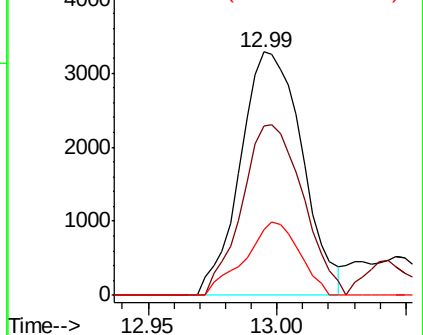
#83
 tert-Butylbenzene
 Concen: 0.473 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 5498
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.3
 134 26.5 12.6 37.6

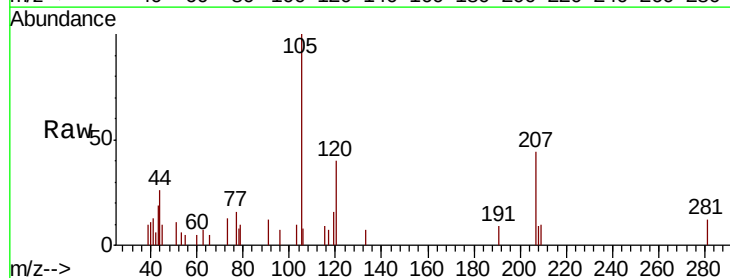


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

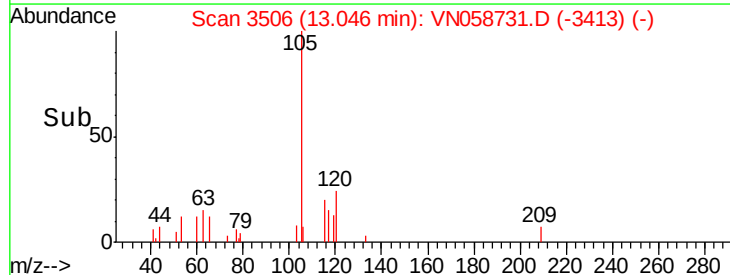
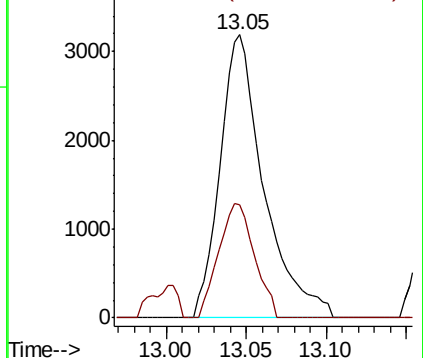


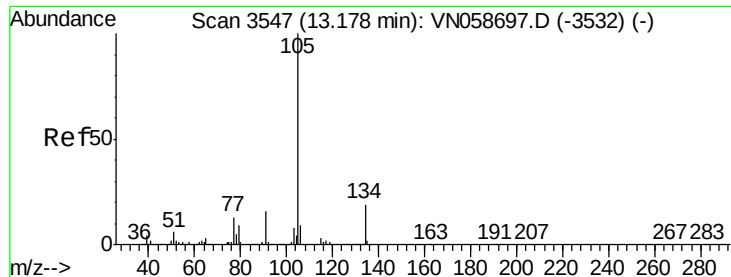
#84
 1,2,4-Trimethylbenzene
 Concen: 0.444 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion:105 Resp: 5988
 Ion Ratio Lower Upper
 105 100
 120 32.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

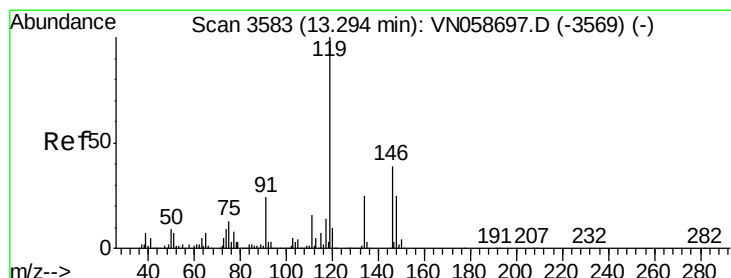
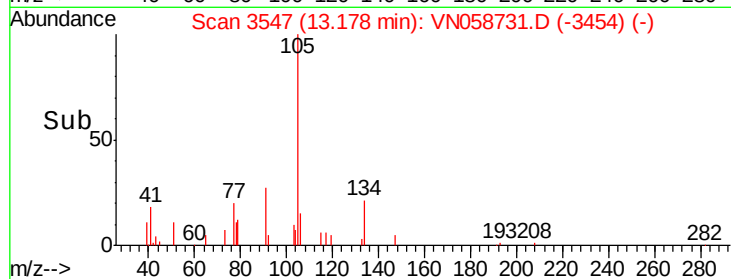
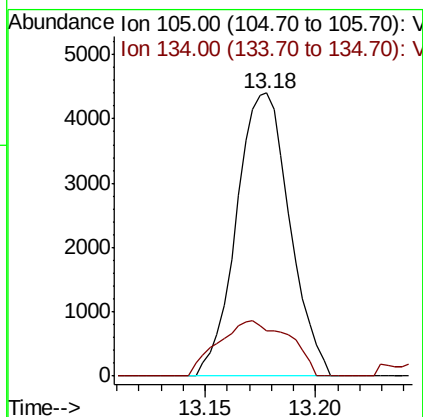
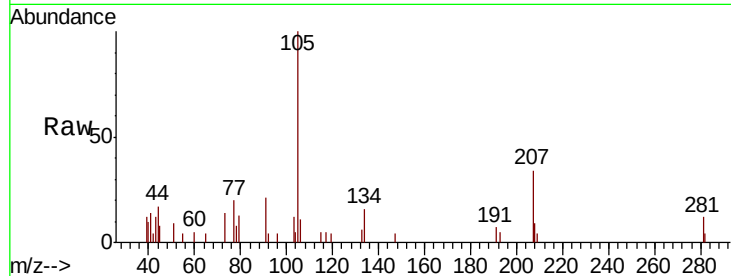




#85
 sec-Butylbenzene
 Concen: 0.481 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

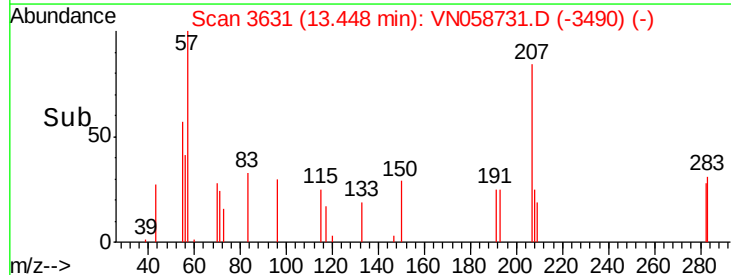
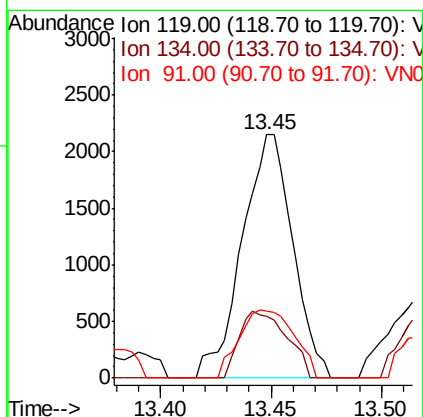
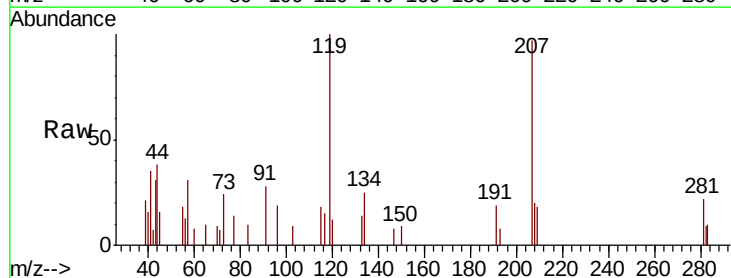
Instrument :
 MSVOA_N
 ClientSampleId :

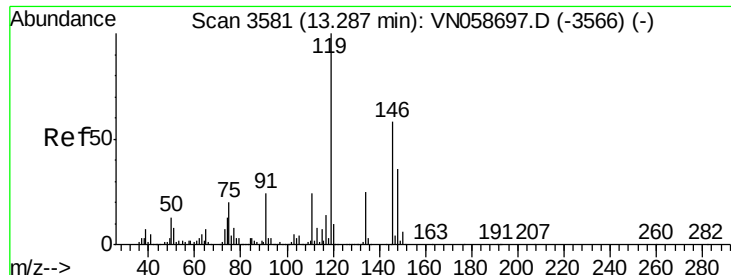
Tot Ion:105 Resp: 7367
 Ion Ratio Lower Upper
 105 100
 134 26.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.246 ug/l
 RT: 13.45 min Scan# 3631
 Delta R.T. 0.15 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion:119 Resp: 3425
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 30.3 11.9 35.5

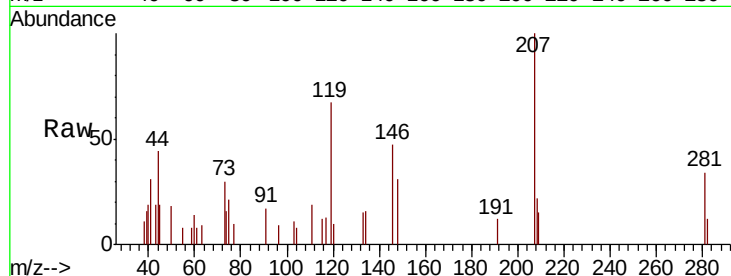




#87
 1,3-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	20.5	61.6
148	83.4	31.3	93.9

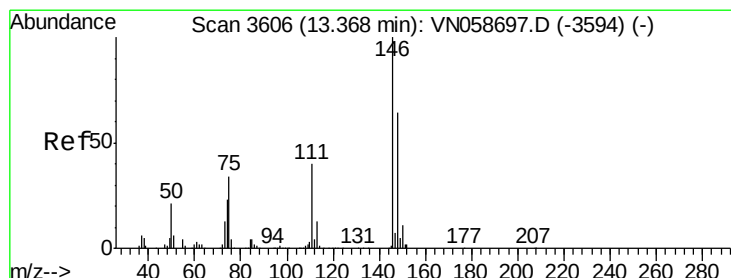
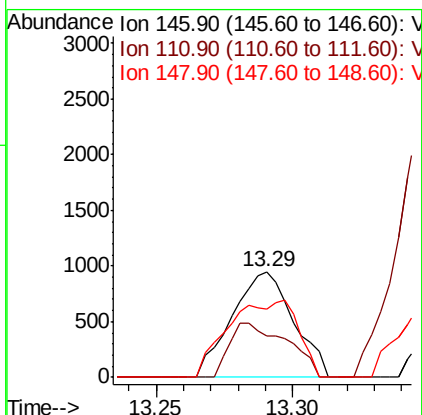
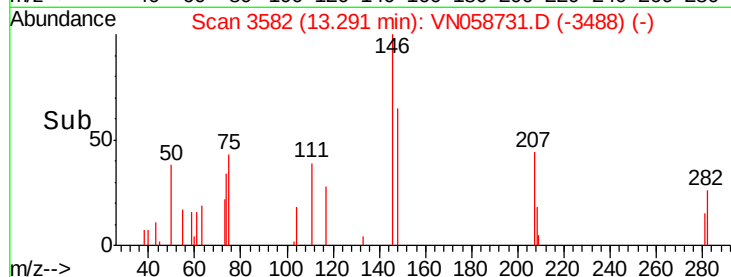


Abundance

Ion 145.90 (145.60 to 146.60): V

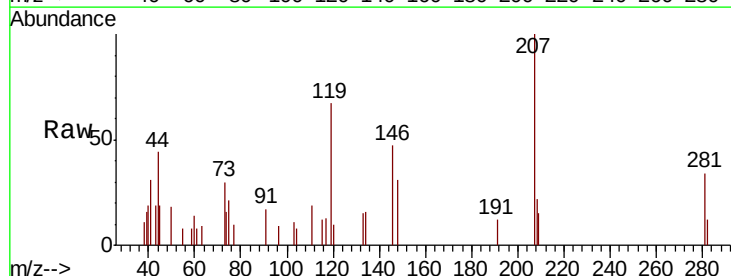
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	20.1	60.2
148	83.4	31.9	95.7

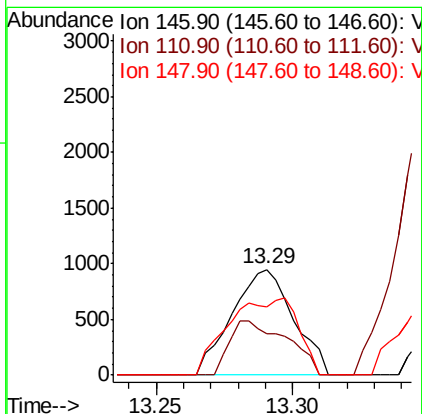
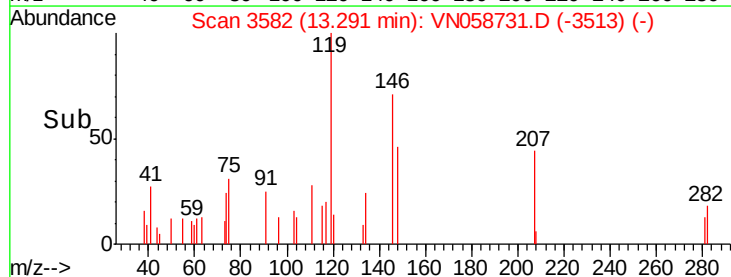


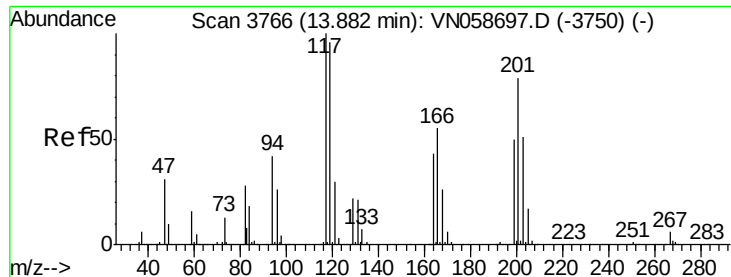
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 0.255 ug/l

RT: 13.95 min Scan# 3787

Delta R.T. 0.07 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

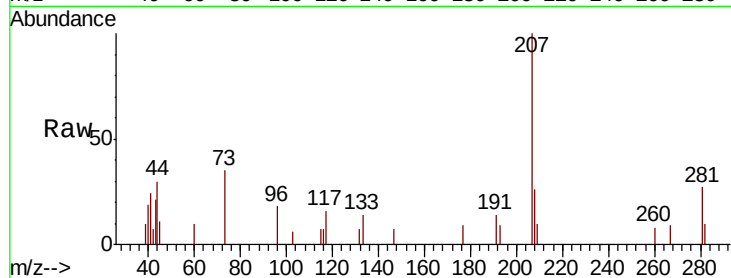
ClientSampled :

Tot Ion:117 Resp: 635

Ion Ratio Lower Upper

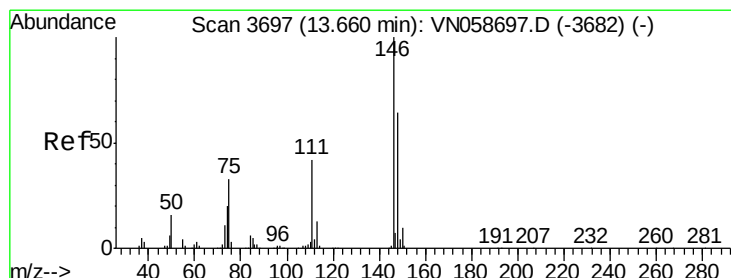
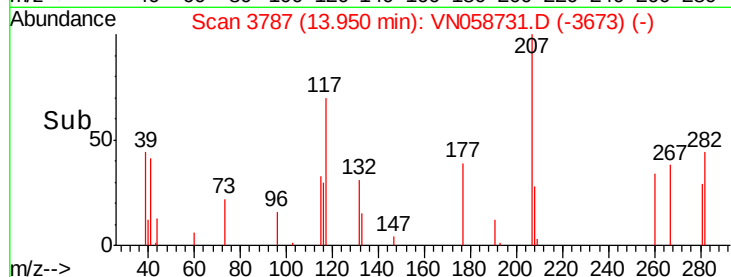
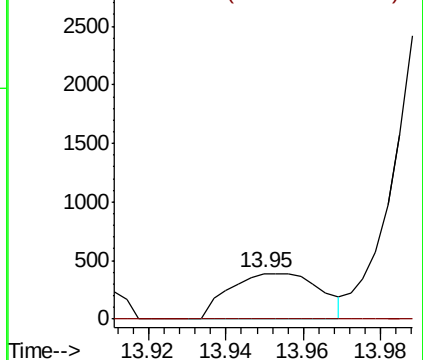
117 100

201 0.0 39.6 118.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.635 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

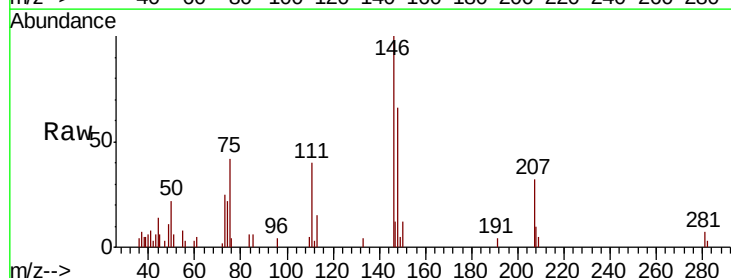
Tgt Ion:146 Resp: 11373

Ion Ratio Lower Upper

146 100

111 39.6 21.1 63.4

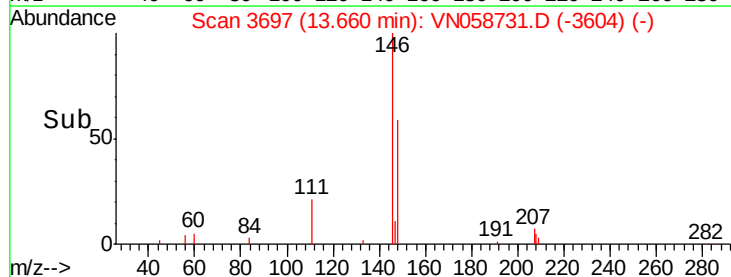
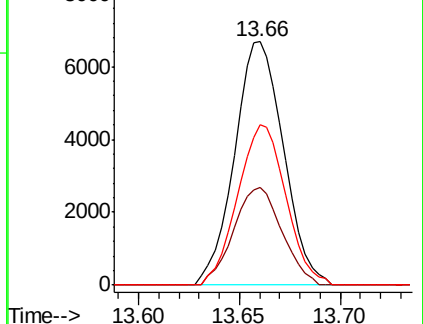
148 64.7 31.8 95.3

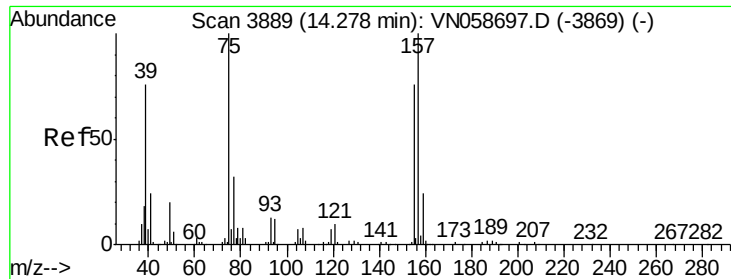


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.321 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

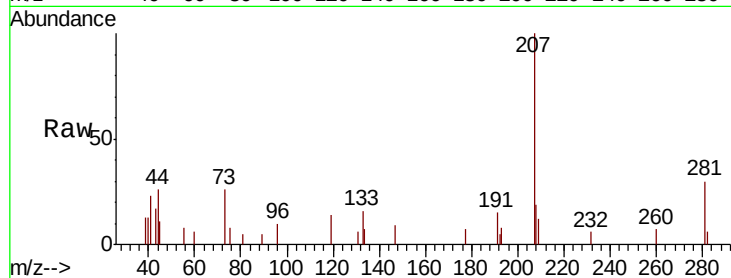
Tot Ion: 75 Resp: 393

Ion Ratio Lower Upper

75 100

155 0.0 37.9 113.6#

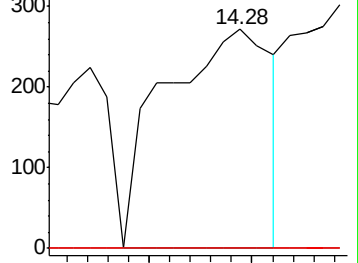
157 0.0 49.4 148.2#



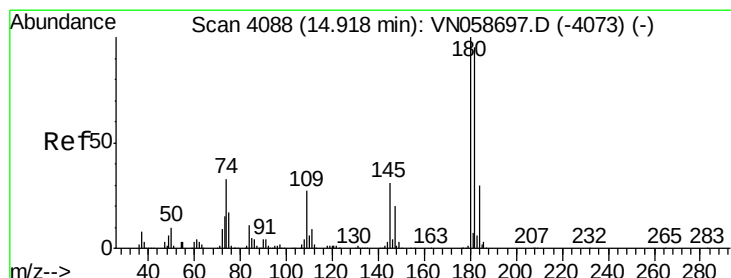
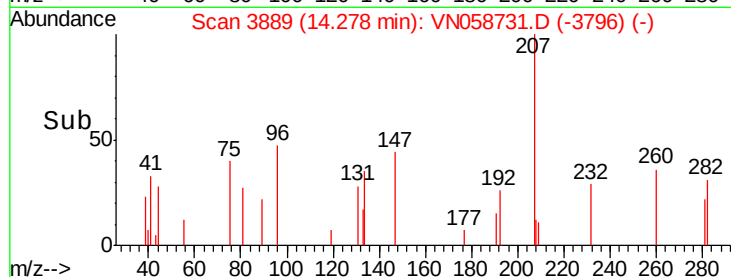
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.506 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

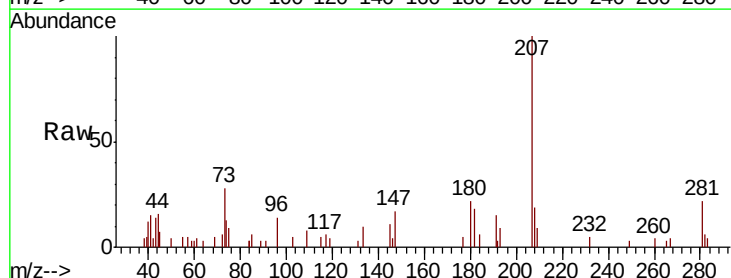
Tgt Ion:180 Resp: 2147

Ion Ratio Lower Upper

180 100

182 83.3 47.4 142.2

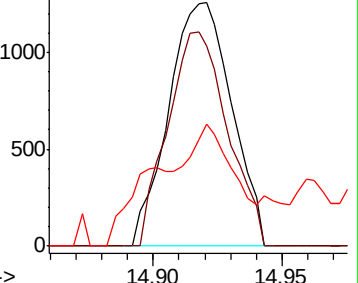
145 38.6 15.4 46.2



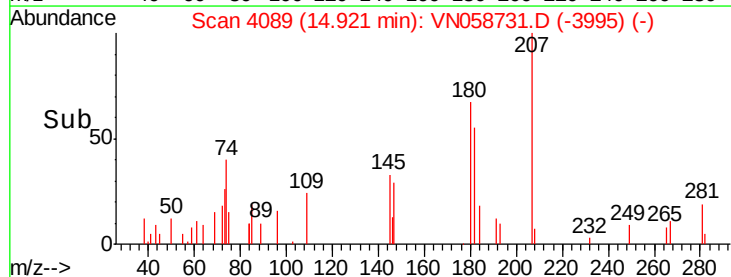
Abundance Ion 179.80 (179.50 to 180.50): V

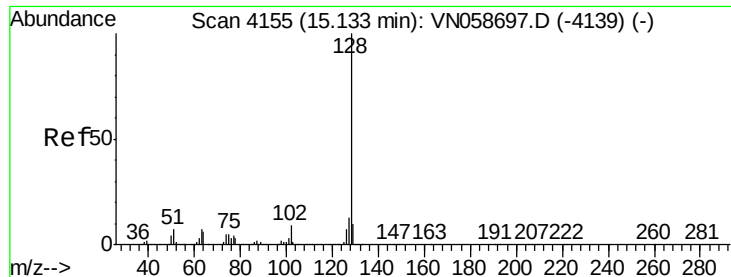
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->





#95

Naphthalene

Concen: 1.077 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampled :

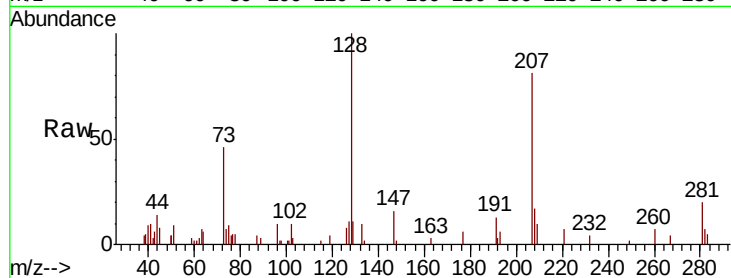
Tot Ion:128 Resp: 13135

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.4

129 9.3 8.5 12.7

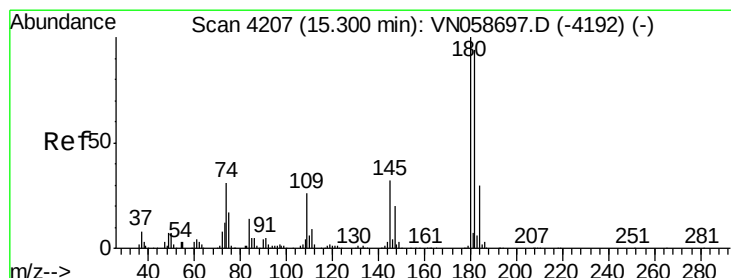
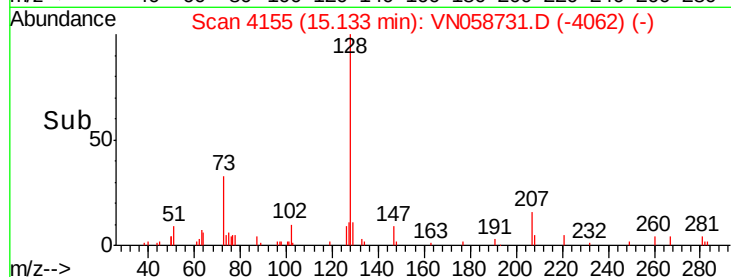
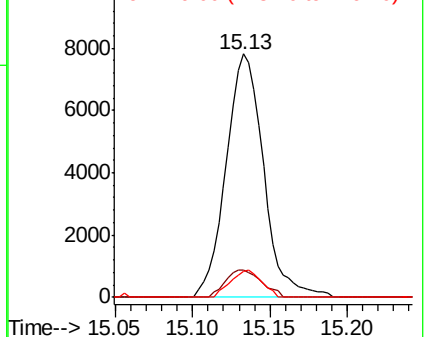


Abundance

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: 0.570 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

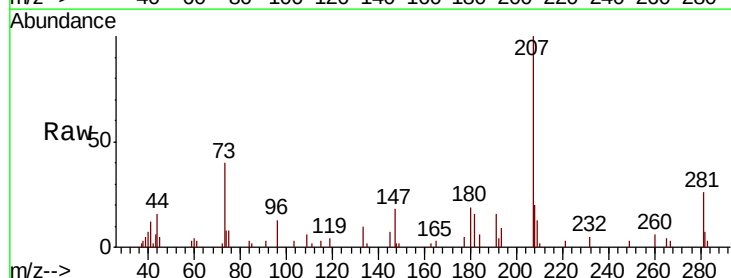
Tgt Ion:180 Resp: 2362

Ion Ratio Lower Upper

180 100

182 84.2 47.3 142.0

145 75.0 16.2 48.6#



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

