

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058706.D
 Acq On : 11 Oct 2019 16:20
 Operator : JC/SP
 Sample : K5111-09 1PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:10:30 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	418322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	691990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	623590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314887	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.57	113	220030	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	842706	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	292728	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	5744	1.103	ug/l	98
3) Chloromethane	2.04	50	7662	1.237	ug/l	90
4) Vinyl Chloride	2.17	62	6891	1.117	ug/l	100
5) Bromomethane	2.55	94	4766	1.270	ug/l	98
6) Chloroethane	2.69	64	4415	1.160	ug/l	96
7) Trichlorofluoromethane	3.00	101	8873	1.202	ug/l	95
8) Diethyl Ether	3.39	74	3010	1.103	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4215	1.001	ug/l #	81
10) Methyl Iodide	3.93	142	6038	1.051	ug/l	98
11) Tert butyl alcohol	4.77	59	5957	6.281	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	4798	1.194	ug/l	87
13) Acrolein	3.58	56	3958	5.189	ug/l	100
14) Allyl chloride	4.30	41	8612	1.062	ug/l	93
15) Acrylonitrile	4.97	53	12615	5.274	ug/l	99
16) Acetone	3.80	43	13850	5.712	ug/l	95
17) Carbon Disulfide	4.03	76	15448	1.203	ug/l	95
18) Methyl Acetate	4.31	43	7733	1.257	ug/l #	79
19) Methyl tert-butyl Ether	5.03	73	16020	1.117	ug/l	98
20) Methylene Chloride	4.54	84	6607	1.304	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	5123	1.140	ug/l #	91
22) Diisopropyl ether	5.93	45	16701	1.059	ug/l #	94
23) Vinyl Acetate	5.88	43	67599	5.315	ug/l	97
24) 1,1-Dichloroethane	5.82	63	9829	1.095	ug/l #	96
25) 2-Butanone	6.82	43	18407	5.253	ug/l	93
26) 2,2-Dichloropropane	6.81	77	11042	1.347	ug/l	87
27) cis-1,2-Dichloroethene	6.81	96	6127	1.169	ug/l	86
28) Bromochloromethane	7.18	49	3339	1.069	ug/l #	91
29) Tetrahydrofuran	7.20	42	12235	5.403	ug/l #	61
30) Chloroform	7.36	83	10937	1.213	ug/l	98
31) Cyclohexane	7.64	56	17853	2.078	ug/l #	39
32) 1,1,1-Trichloroethane	7.55	97	8704	1.131	ug/l #	53
36) 1,1-Dichloropropene	7.78	75	7474	1.068	ug/l	96
37) Ethyl Acetate	6.91	43	8215	1.161	ug/l #	86
38) Carbon Tetrachloride	7.75	117	7393	1.084	ug/l	90

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 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)
39) Methylcyclohexane	9.07	83	8632	1.063	ug/l	93
40) Benzene	8.02	78	22868	1.138	ug/l	93
41) Methacrylonitrile	7.15	41	2046	0.618	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	8975	1.163	ug/l	90
43) Isopropyl Acetate	8.15	43	11658	0.967	ug/l #	93
44) Trichloroethene	8.83	130	5754	1.153	ug/l	80
45) 1,2-Dichloropropane	9.11	63	5441	1.011	ug/l #	88
46) Dibromomethane	9.20	93	3952	1.159	ug/l	91
47) Bromodichloromethane	9.39	83	7732	1.113	ug/l	89
48) Methyl methacrylate	9.19	41	5858	1.072	ug/l #	85
49) 1,4-Dioxane	9.18	88	1759	20.809	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	34180	5.049	ug/l	99
52) Toluene	10.15	92	13078	1.064	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	8027	1.008	ug/l #	69
54) cis-1,3-Dichloropropene	9.84	75	8859	1.048	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	6082	1.209	ug/l #	85
56) Ethyl methacrylate	10.43	69	6835	0.930	ug/l	87
57) 1,3-Dichloropropane	10.70	76	8841	1.031	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	14430	4.075	ug/l	99
59) 2-Hexanone	10.75	43	24792	4.739	ug/l	99
60) Dibromochloromethane	10.90	129	5132	0.989	ug/l	97
61) 1,2-Dibromoethane	11.00	107	5410	1.074	ug/l	96
64) Tetrachloroethene	10.63	164	5203	1.192	ug/l	92
65) Chlorobenzene	11.43	112	14090	1.113	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	4895	1.045	ug/l #	66
67) Ethyl Benzene	11.51	91	23513	1.042	ug/l	99
68) m/p-Xylenes	11.62	106	16931	1.999	ug/l	94
69) o-Xylene	11.95	106	8003	0.976	ug/l	95
70) Styrene	11.97	104	11935	0.888	ug/l	96
71) Bromoform	12.13	173	3477	1.013	ug/l #	69
73) Isopropylbenzene	12.25	105	21501	1.108	ug/l	99
74) N-amyl acetate	12.07	43	8088	0.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	7984	1.248	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	11383	1.936	ug/l #	100
77) Bromobenzene	12.53	156	5915	1.253	ug/l	92
78) n-propylbenzene	12.60	91	24211	1.070	ug/l	99
79) 2-Chlorotoluene	12.68	91	14917	1.062	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	18436	1.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	156138	71.127	ug/l #	11
82) 4-Chlorotoluene	12.78	91	15961	1.108	ug/l	98
83) tert-Butylbenzene	13.00	119	16699	1.176	ug/l	96
84) 1,2,4-Trimethylbenzene	13.05	105	16556	1.006	ug/l	97
85) sec-Butylbenzene	13.18	105	19498	1.042	ug/l	96
86) p-Isopropyltoluene	13.30	119	17829	1.049	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	9444	1.085	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	9444	1.067	ug/l	97
89) n-Butylbenzene	13.62	91	16068	1.022	ug/l	95
90) Hexachloroethane	13.88	117	3170	1.042	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	9828	1.158	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1986	1.329	ug/l	76

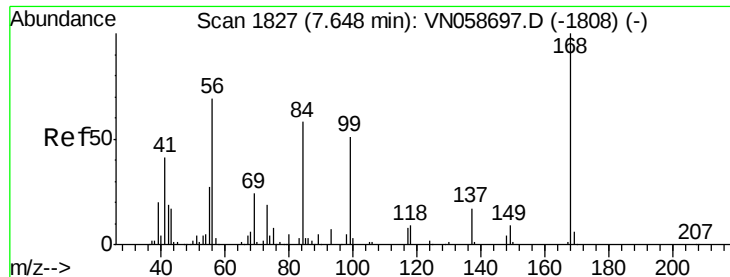
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	5303	1.024	ug/l	98
94) Hexachlorobutadiene	15.02	225	3173	1.164	ug/l	95
95) Naphthalene	15.13	128	15279	1.027	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5406	1.070	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

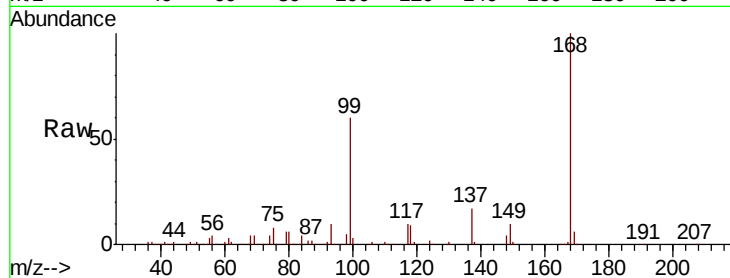
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 418322

Ion Ratio Lower Upper

168 100

99 60.0 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

200000

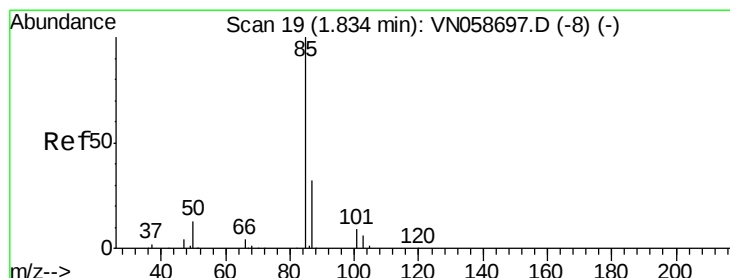
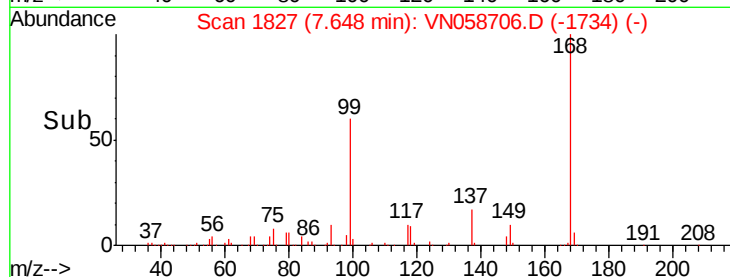
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.103 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058706.D

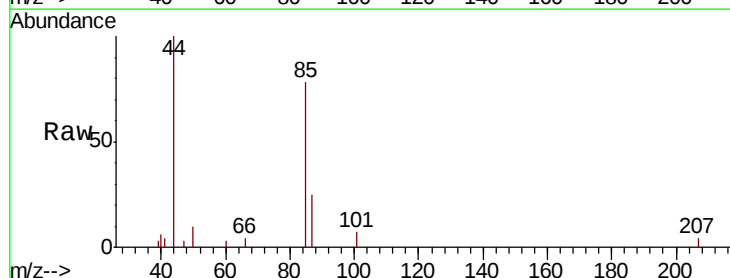
Acq: 11 Oct 2019 16:20

Tgt Ion: 85 Resp: 5744

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

5000

4000

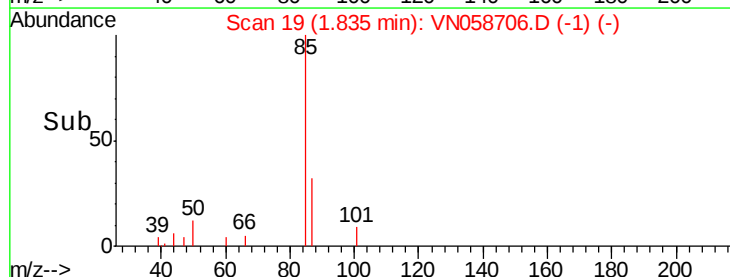
3000

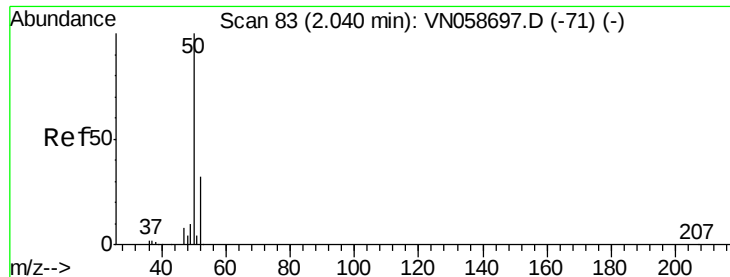
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.237 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

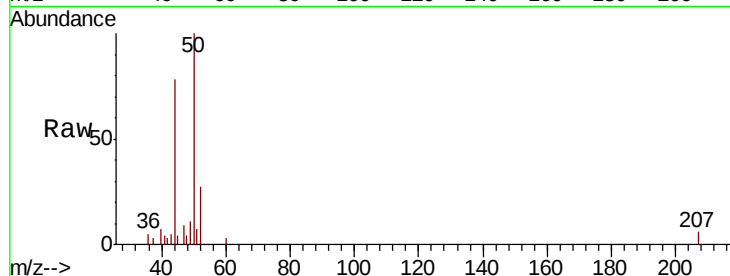
ClientSampled :

Tot Ion: 50 Resp: 7662

Ion Ratio Lower Upper

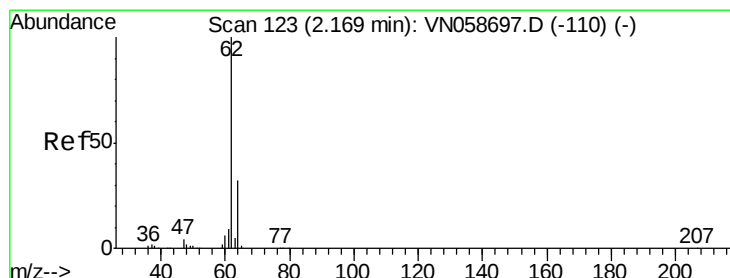
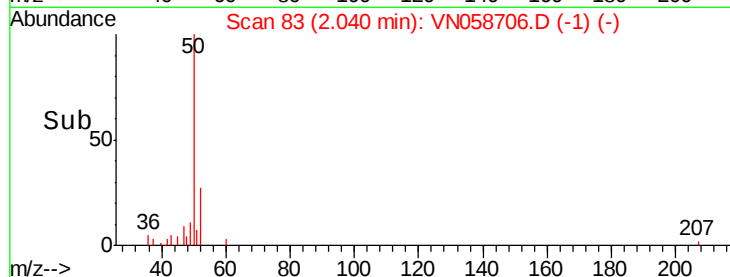
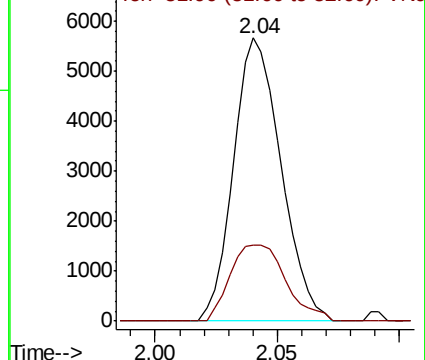
50 100

52 26.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.117 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058706.D

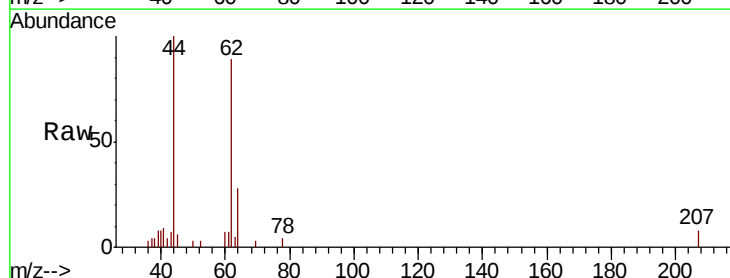
Acq: 11 Oct 2019 16:20

Tgt Ion: 62 Resp: 6891

Ion Ratio Lower Upper

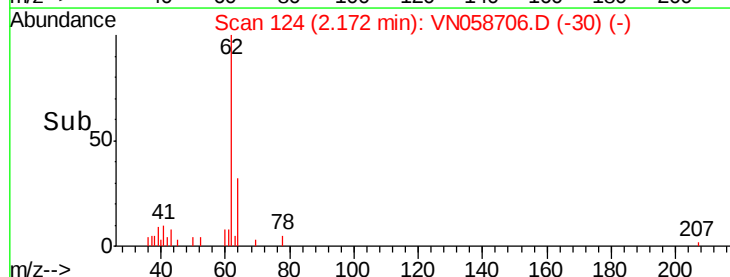
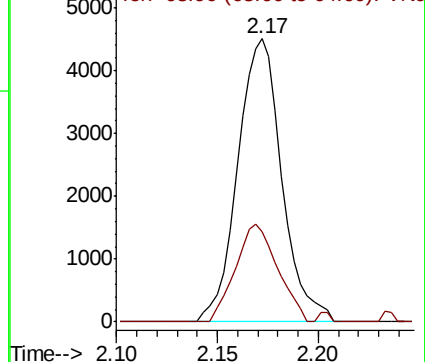
62 100

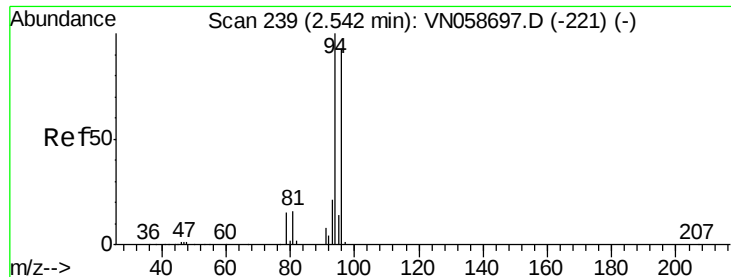
64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.270 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

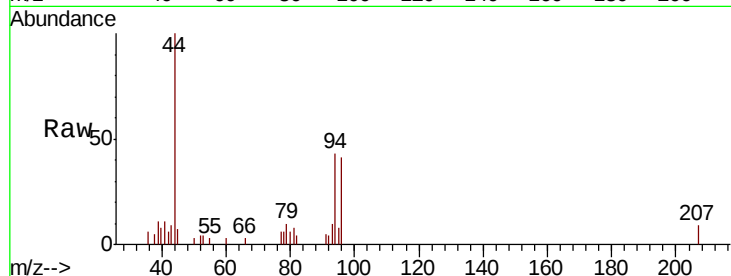
ClientSampled :

Tot Ion: 94 Resp: 4766

Ion Ratio Lower Upper

94 100

96 95.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN058697.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN058706.D (-146) (-)

2.55

2500

2000

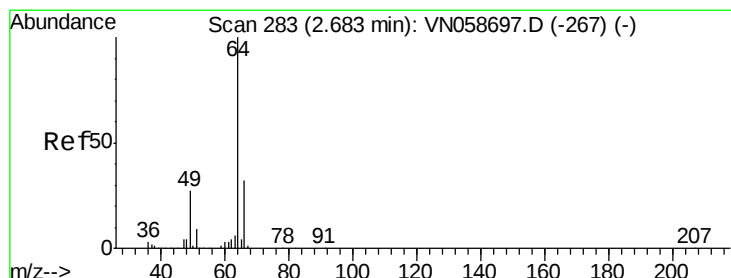
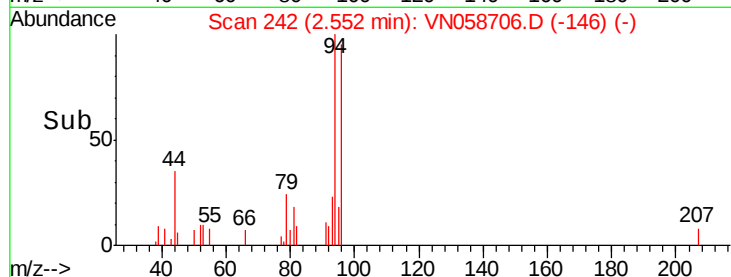
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 1.160 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN058706.D

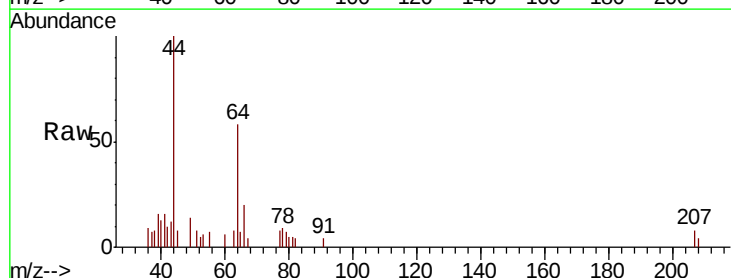
Acq: 11 Oct 2019 16:20

Tgt Ion: 64 Resp: 4415

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN058697.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058706.D (-190) (-)

2.69

2500

2000

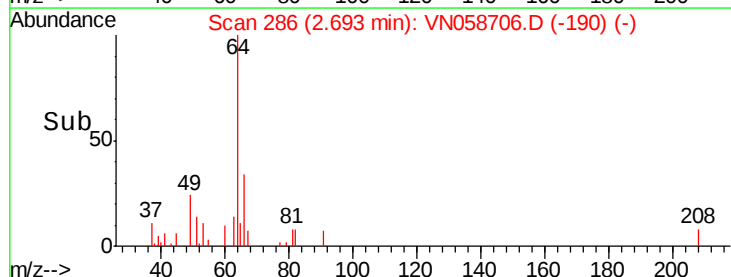
1500

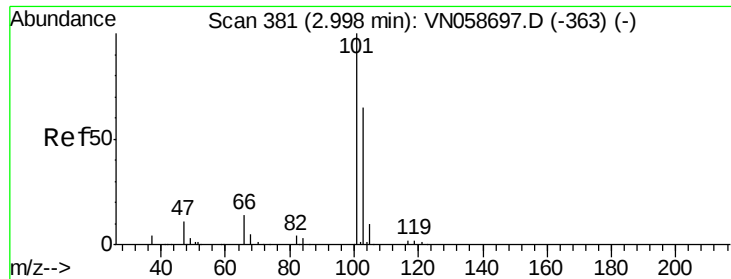
1000

500

0

Time-->



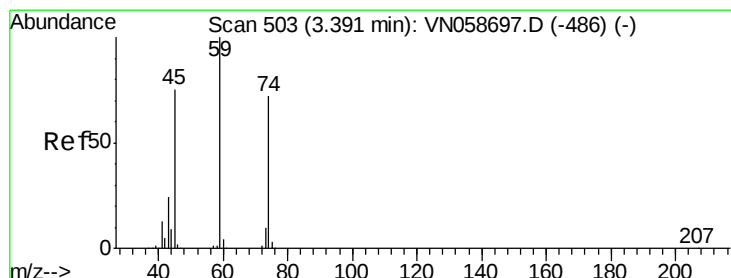
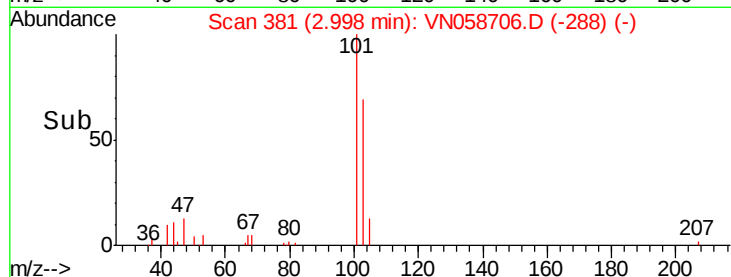
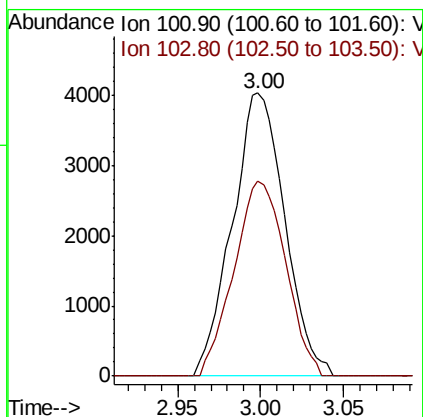
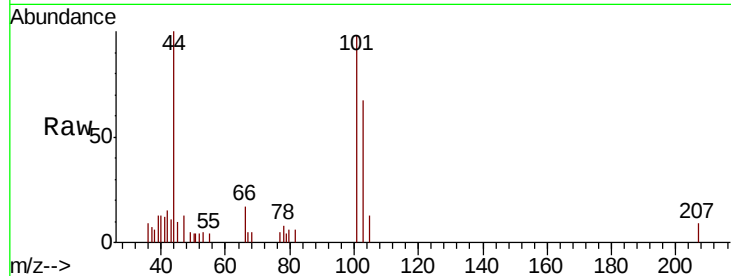


#7

Trichlorofluoromethane
 Concen: 1.202 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :

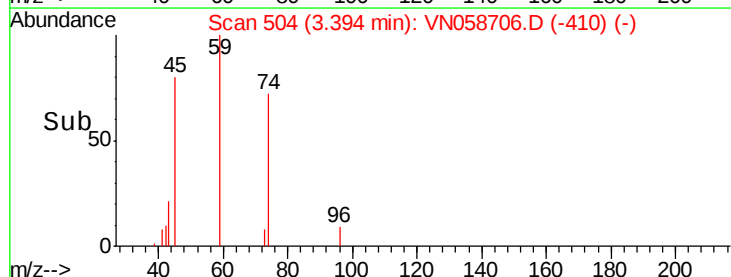
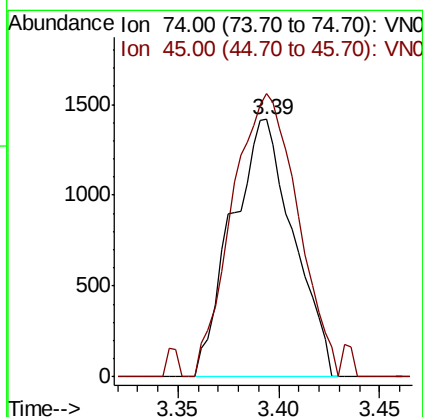
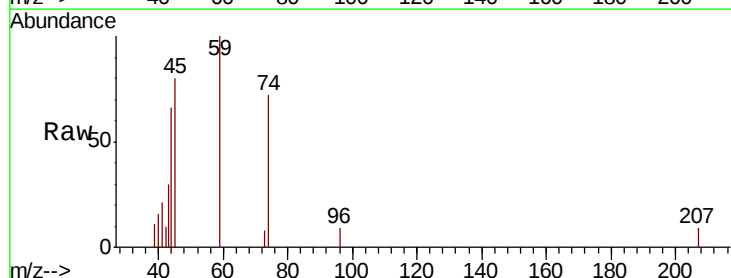
Tot Ion:101 Resp: 8873
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.8 77.6

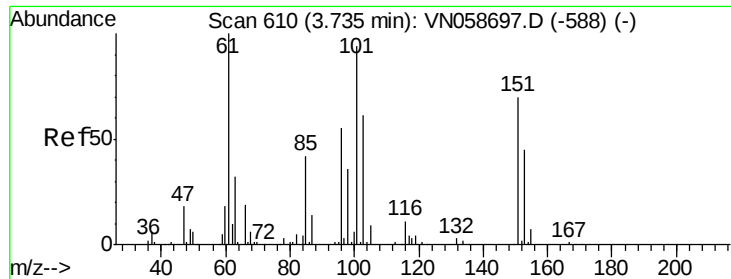


#8

Diethyl Ether
 Concen: 1.103 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 74 Resp: 3010
 Ion Ratio Lower Upper
 74 100
 45 117.3 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.001 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

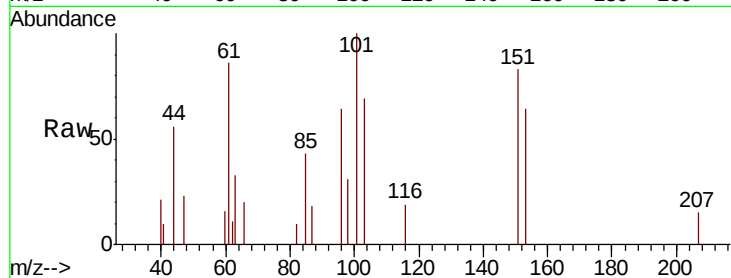
Tot Ion:101 Resp: 4215

Ion Ratio Lower Upper

101 100

85 28.6 37.0 55.6#

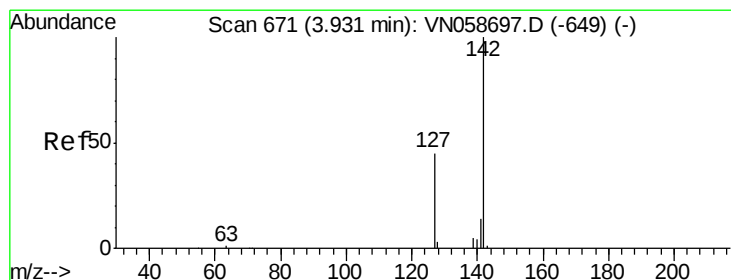
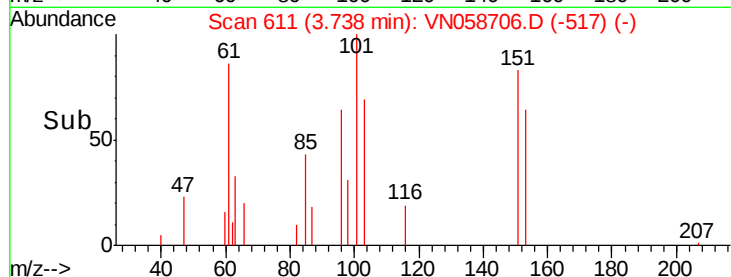
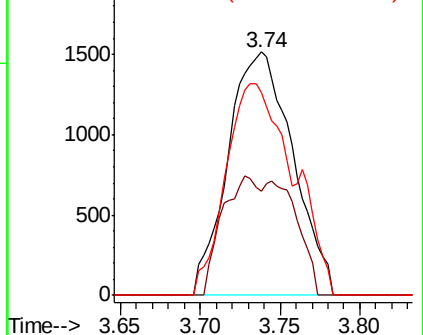
151 90.2 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.051 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

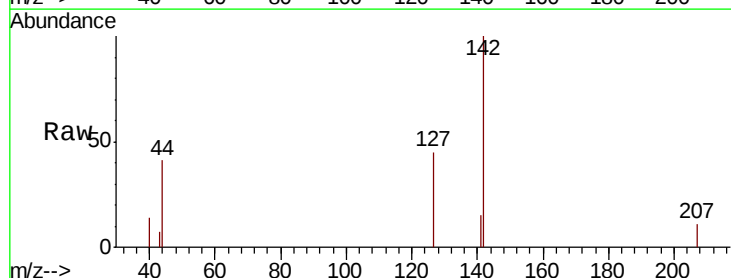
Tgt Ion:142 Resp: 6038

Ion Ratio Lower Upper

142 100

127 45.2 36.4 54.6

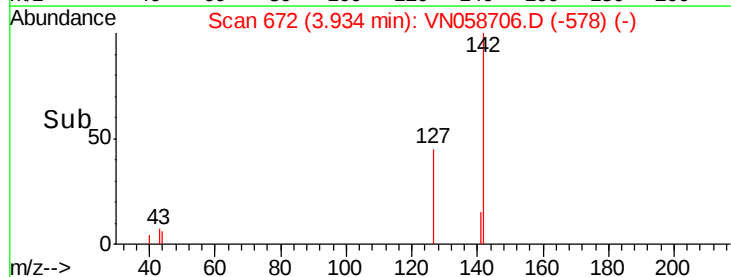
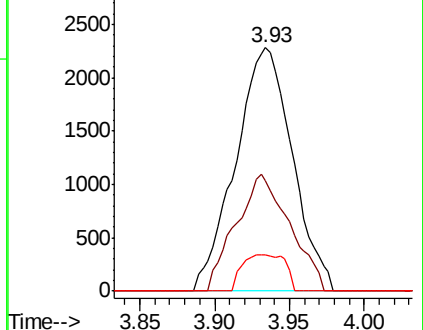
141 11.2 11.1 16.7

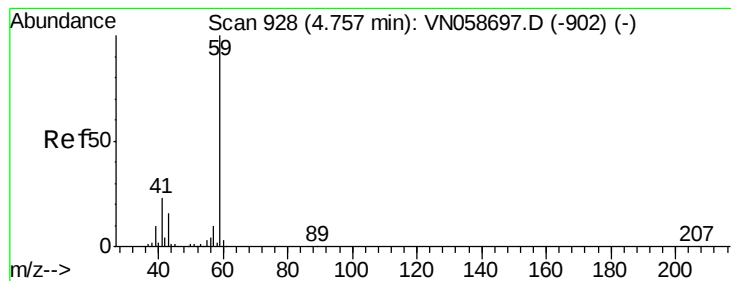


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



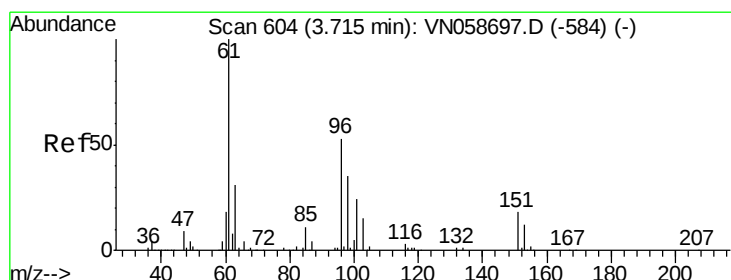
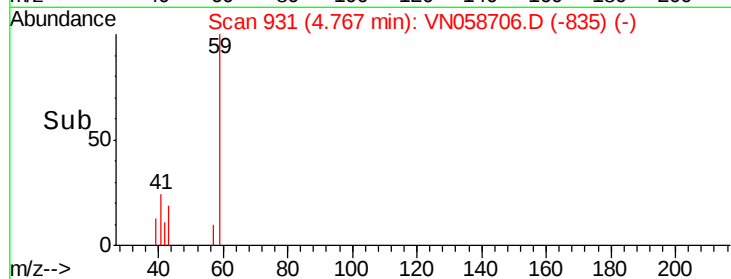
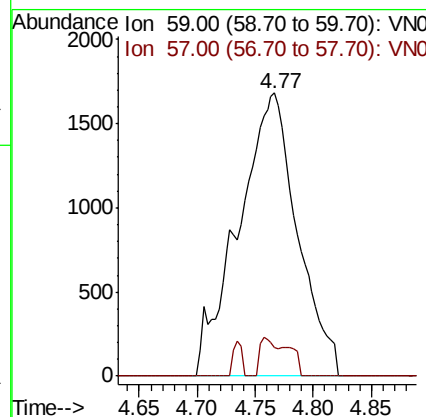
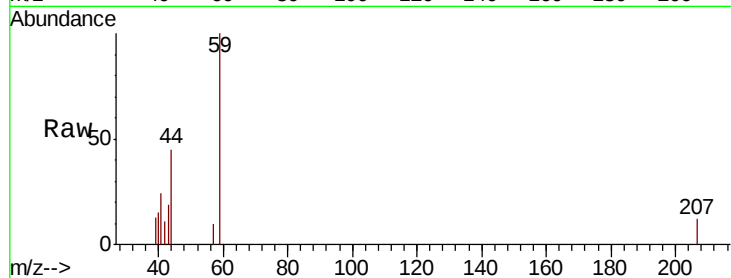


#11

Tert butyl alcohol
Concen: 6.281 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :

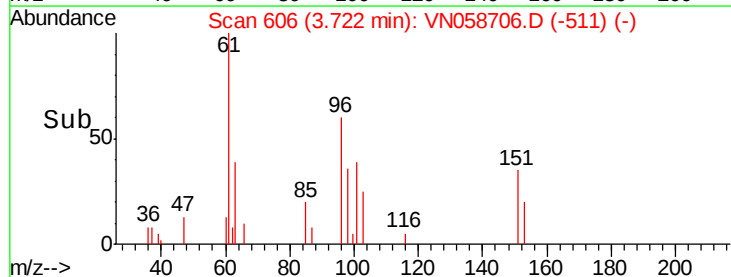
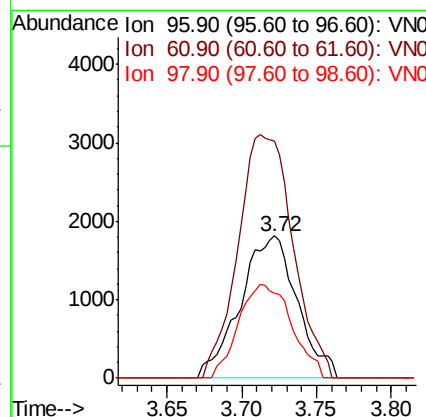
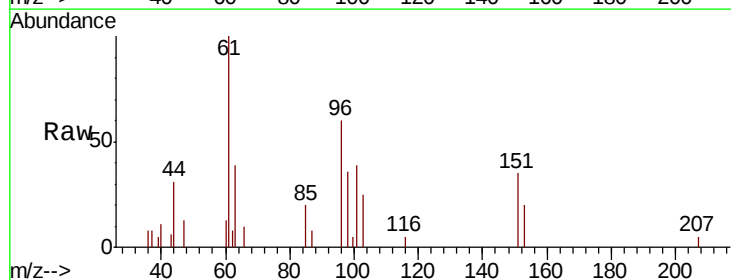
Tot Ion: 59 Resp: 5957
Ion Ratio Lower Upper
59 100
57 3.8 8.4 12.6#

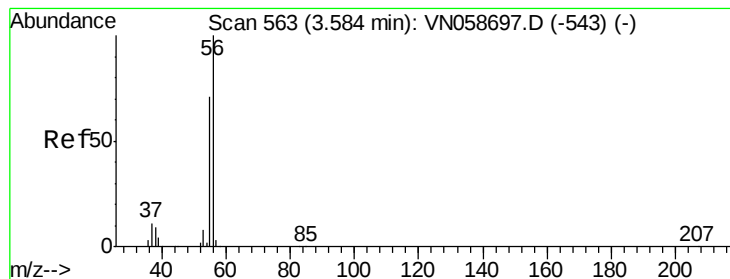


#12

1,1-Dichloroethene
Concen: 1.194 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 96 Resp: 4798
Ion Ratio Lower Upper
96 100
61 166.9 151.3 226.9
98 59.9 52.6 78.8





#13

Acrolein

Concen: 5.189 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

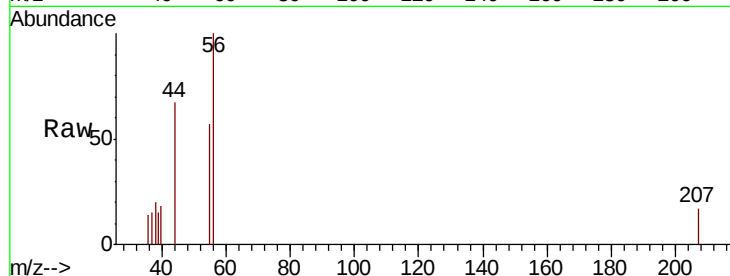
ClientSampleId :

Tot Ion: 56 Resp: 3958

Ion Ratio Lower Upper

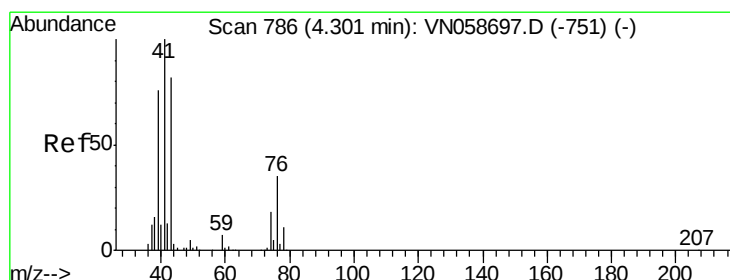
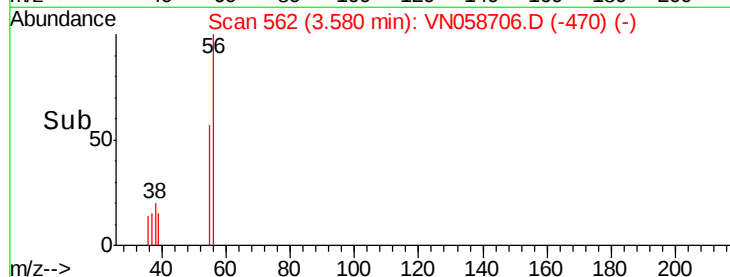
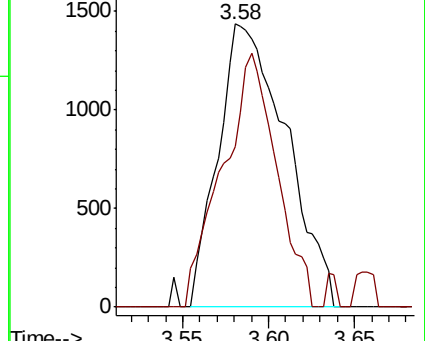
56 100

55 71.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058706.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN058706.D (-543) (-)



#14

Allyl chloride

Concen: 1.062 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

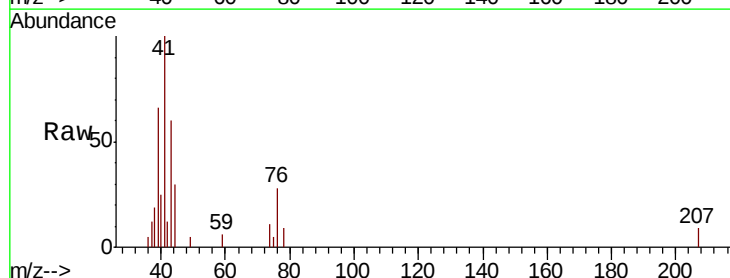
Tgt Ion: 41 Resp: 8612

Ion Ratio Lower Upper

41 100

39 77.9 57.2 85.8

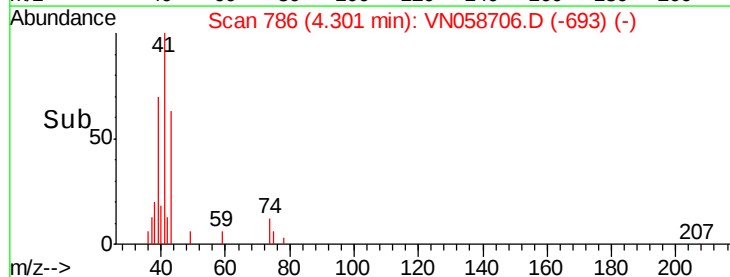
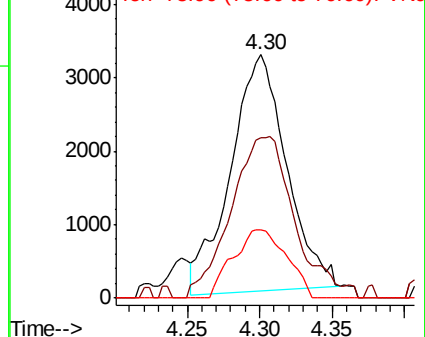
76 27.8 25.0 37.6

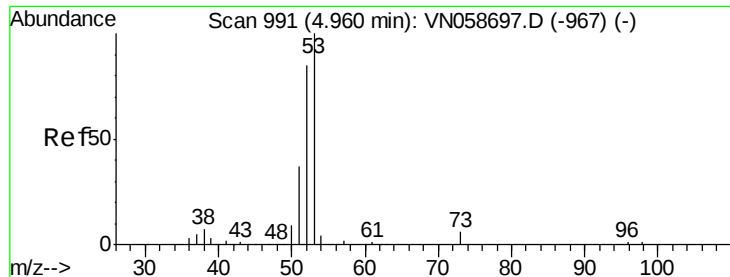


Abundance Ion 41.00 (40.70 to 41.70): VN058706.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN058706.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN058706.D (-751) (-)





#15

Acrylonitrile

Concen: 5.274 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

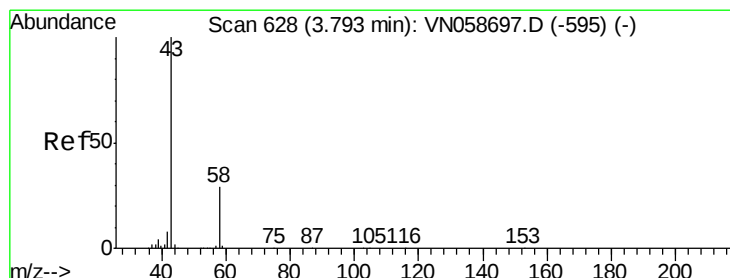
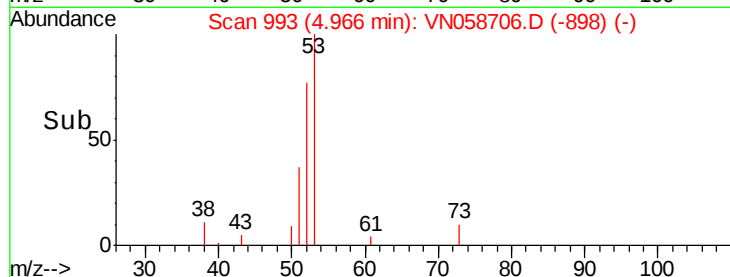
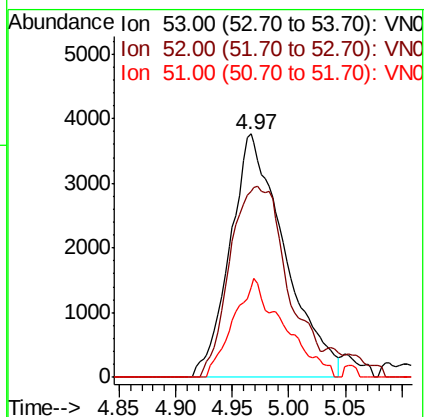
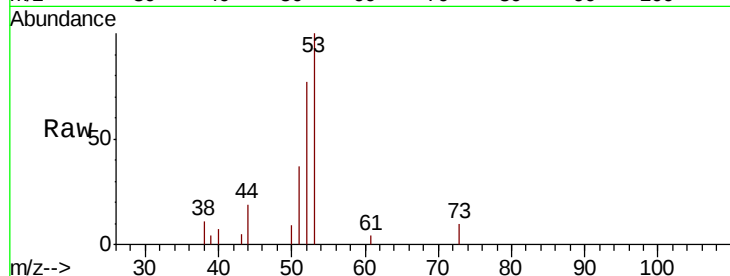
Tot Ion: 53 Resp: 12615

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

51 37.7 29.4 44.2



#16

Acetone

Concen: 5.712 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058706.D

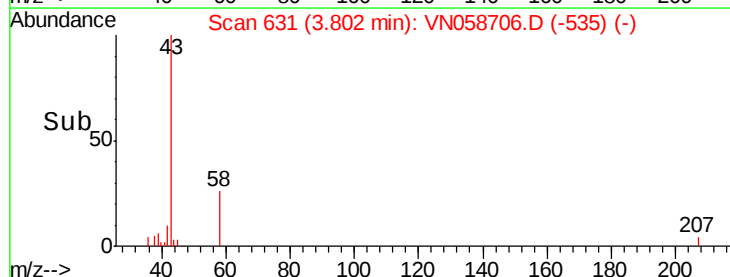
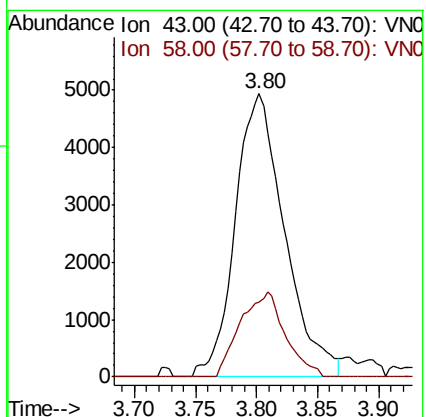
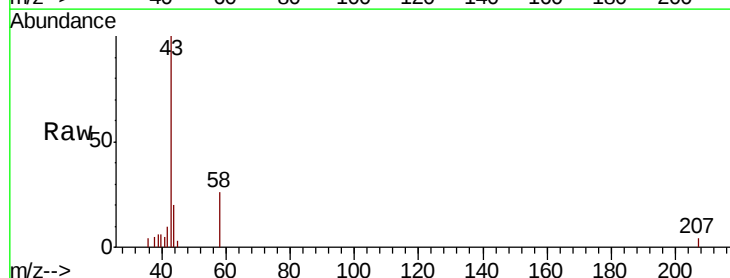
Acq: 11 Oct 2019 16:20

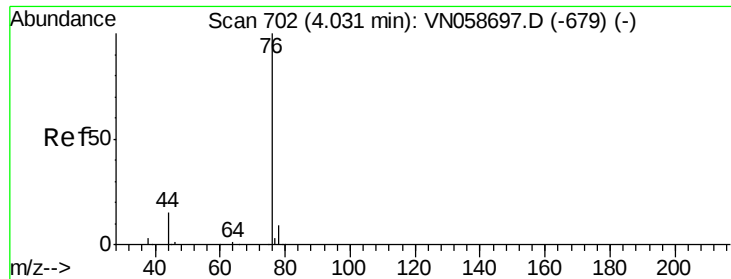
Tgt Ion: 43 Resp: 13850

Ion Ratio Lower Upper

43 100

58 26.2 23.3 34.9

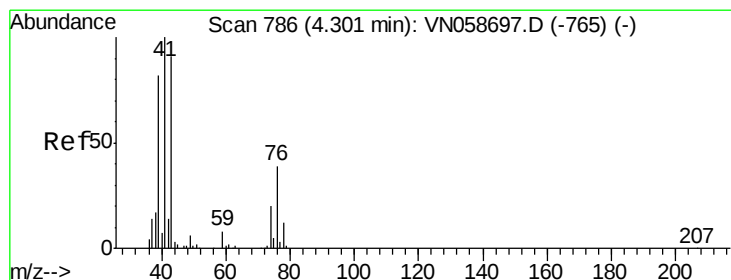
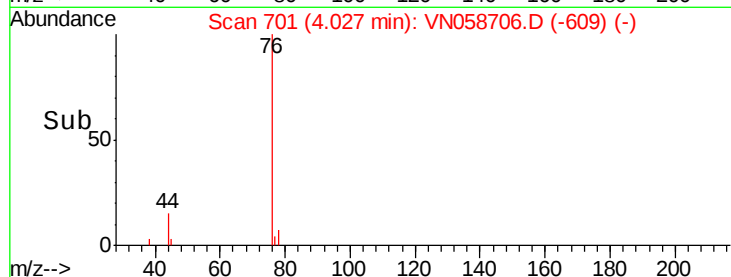
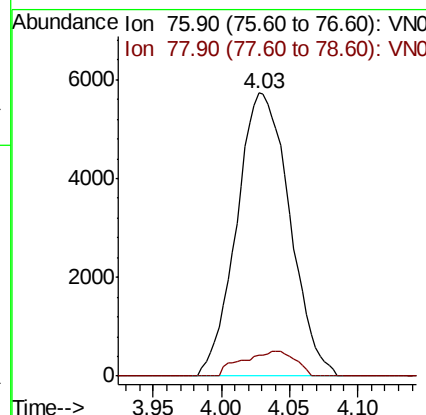
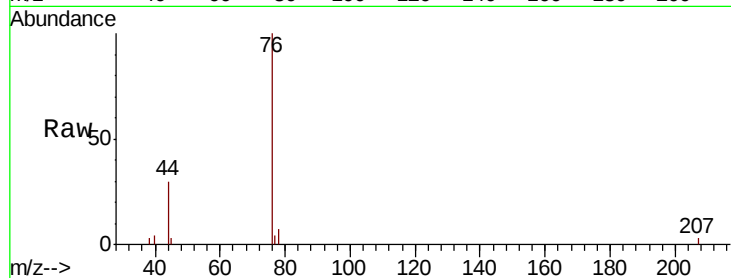




#17
Carbon Disulfide
Concen: 1.203 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

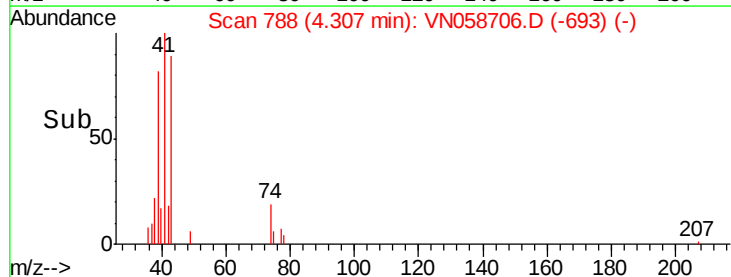
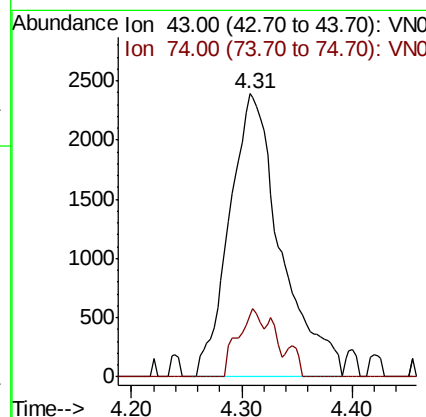
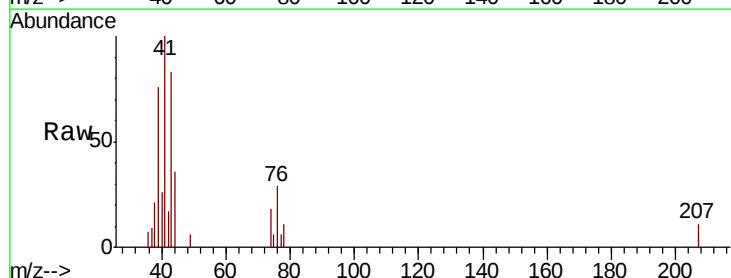
Instrument :
MSVOA_N
ClientSampled :

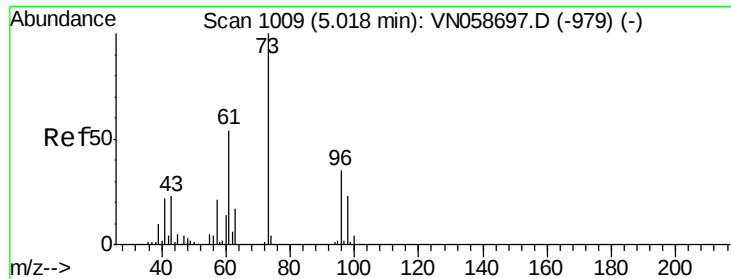
Tot Ion: 76 Resp: 15448
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7



#18
Methyl Acetate
Concen: 1.257 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 43 Resp: 7733
Ion Ratio Lower Upper
43 100
74 11.4 17.2 25.8#

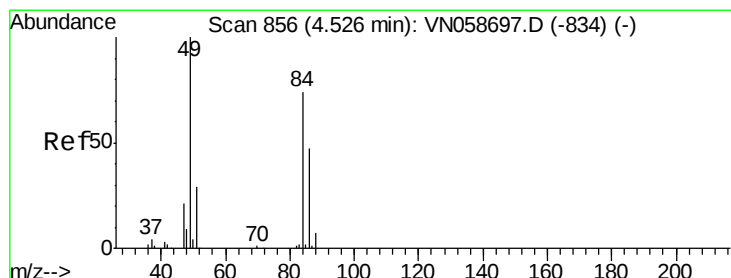
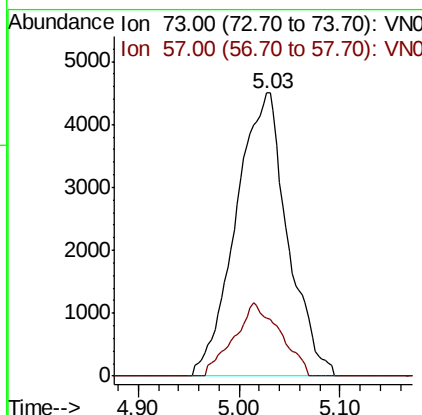
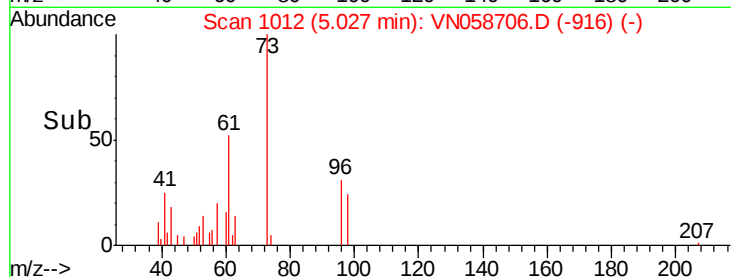
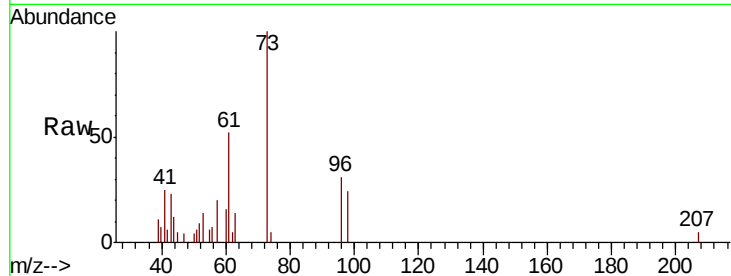




#19
Methyl tert-butyl Ether
Concen: 1.117 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

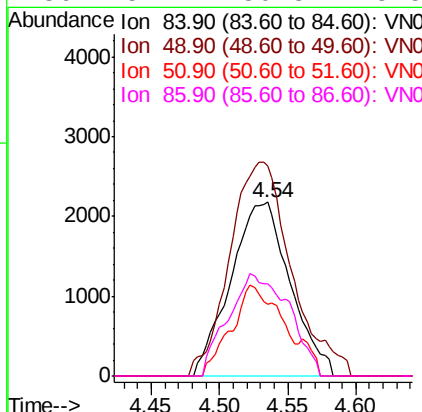
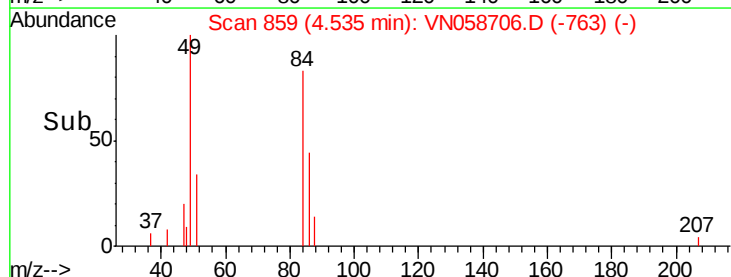
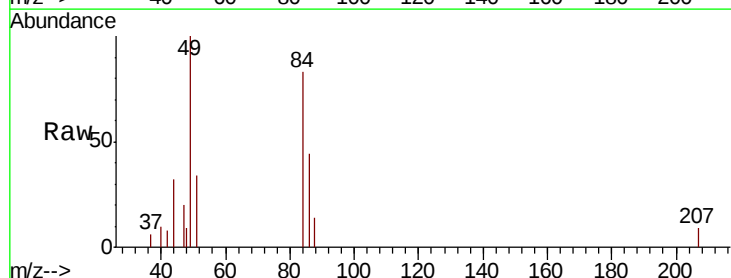
Instrument :
MSVOA_N
ClientSampled :

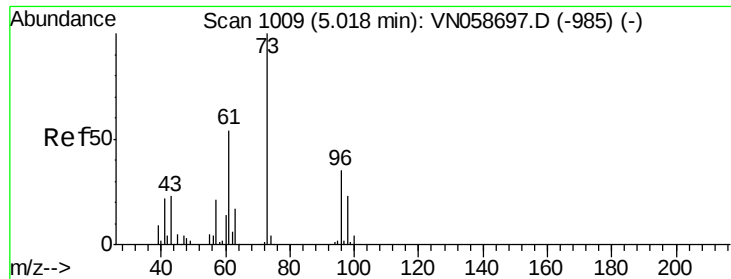
Tot Ion: 73 Resp: 16020
Ion Ratio Lower Upper
73 100
57 20.3 17.0 25.6



#20
Methylene Chloride
Concen: 1.304 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 84 Resp: 6607
Ion Ratio Lower Upper
84 100
49 120.5 107.6 161.4
51 41.1 31.4 47.0
86 52.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 1.140 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

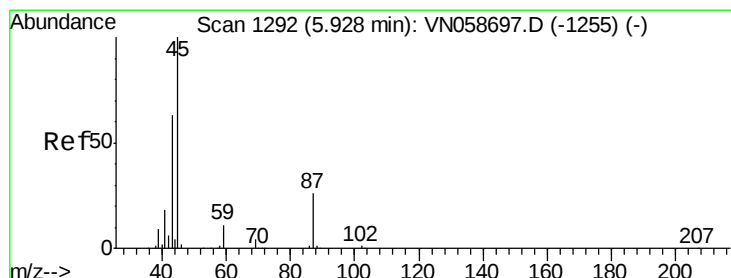
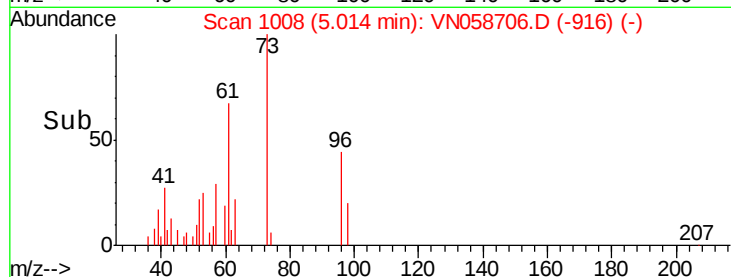
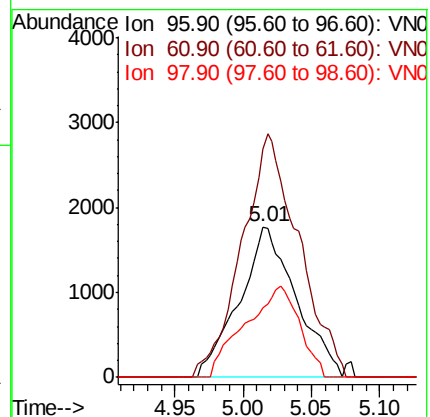
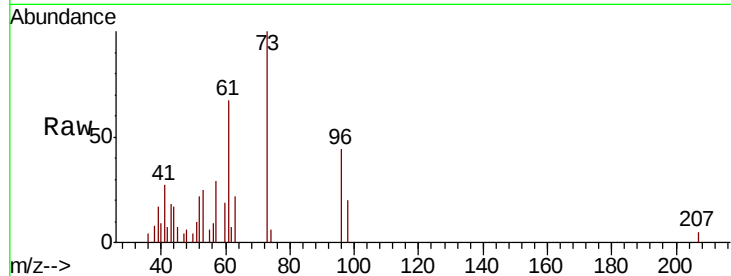
Tot Ion: 96 Resp: 5123

Ion Ratio Lower Upper

96 100

61 151.6 123.6 185.4

98 46.1 52.1 78.1#



#22

Diisopropyl ether

Concen: 1.059 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Tgt Ion: 45 Resp: 16701

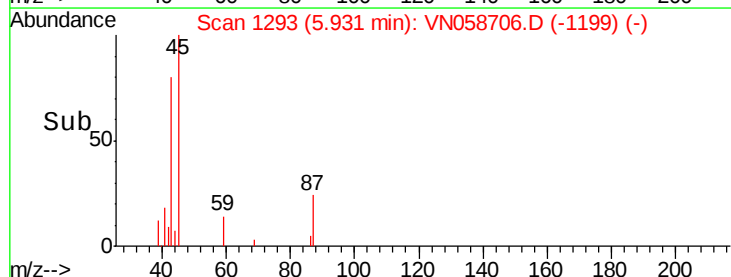
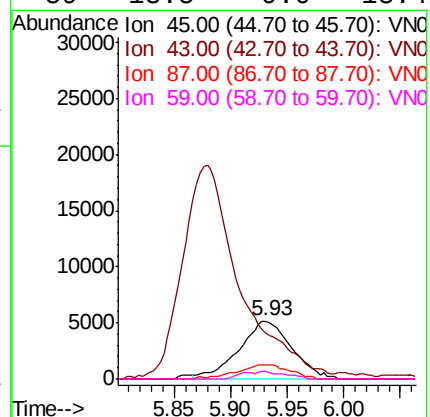
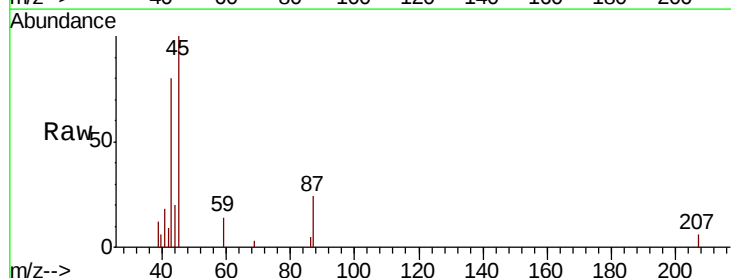
Ion Ratio Lower Upper

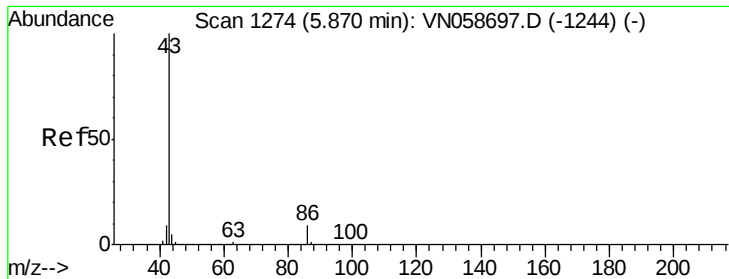
45 100

43 68.5 50.6 75.8

87 24.5 21.1 31.7

59 13.5 9.0 13.4#





#23

Vinyl Acetate

Concen: 5.315 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

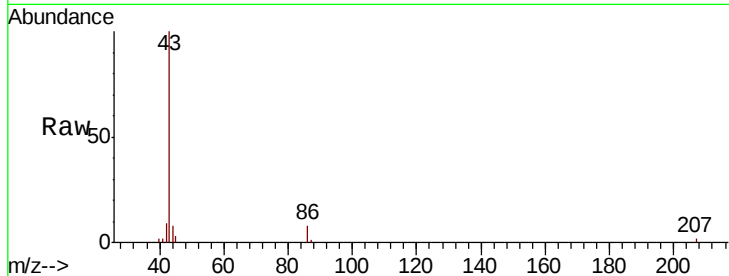
ClientSampleId :

Tot Ion: 43 Resp: 67599

Ion Ratio Lower Upper

43 100

86 8.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

20000

15000

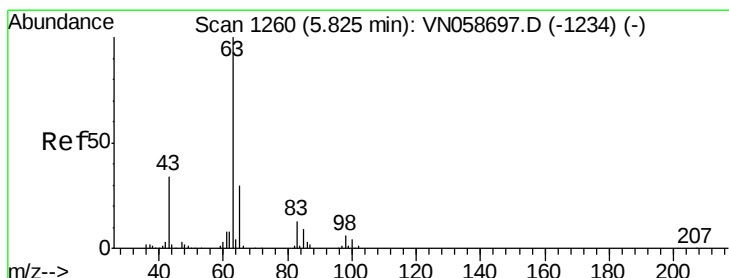
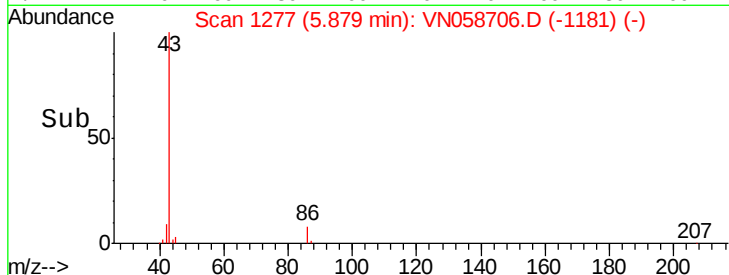
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 1.095 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

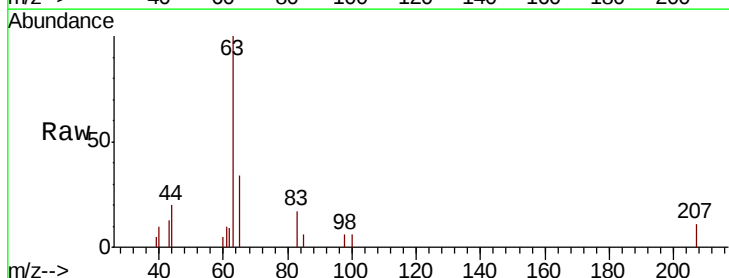
Tgt Ion: 63 Resp: 9829

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

100 6.2 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

4000

3000

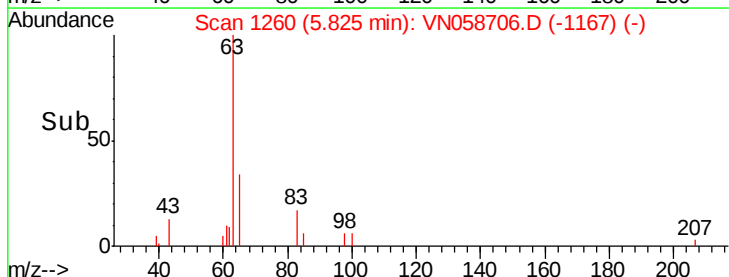
2000

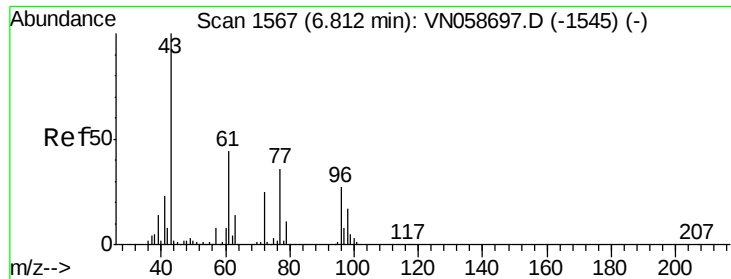
1000

0

Time-->

5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 5.253 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

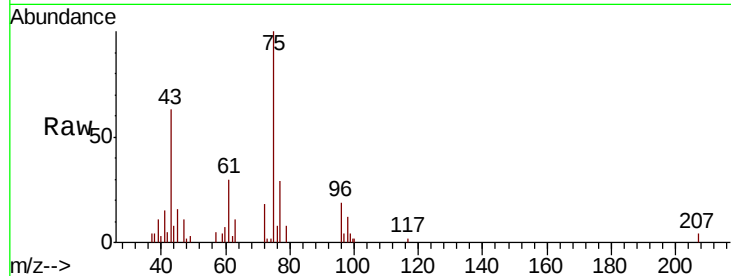
ClientSampled :

Tot Ion: 43 Resp: 18407

Ion Ratio Lower Upper

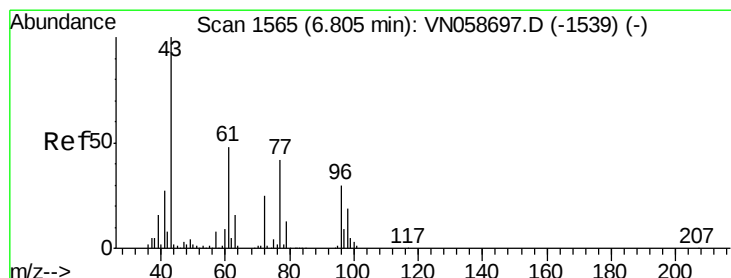
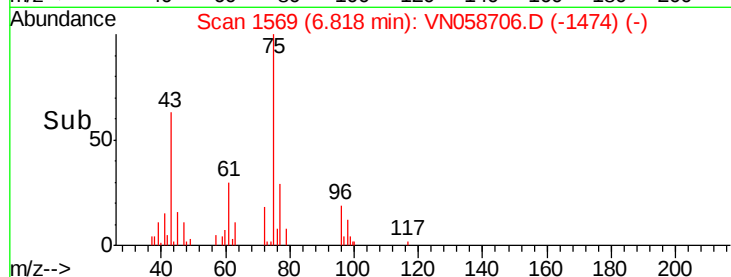
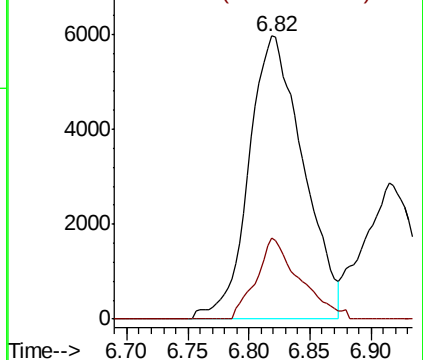
43 100

72 28.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 1.347 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058706.D

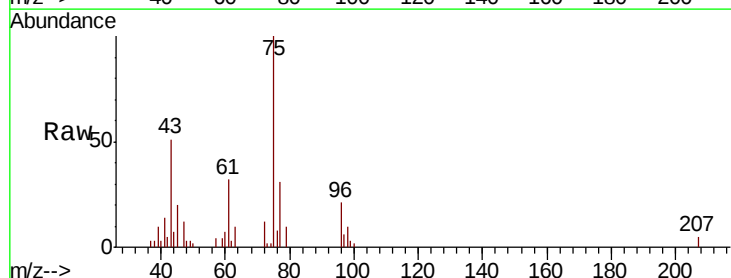
Acq: 11 Oct 2019 16:20

Tgt Ion: 77 Resp: 11042

Ion Ratio Lower Upper

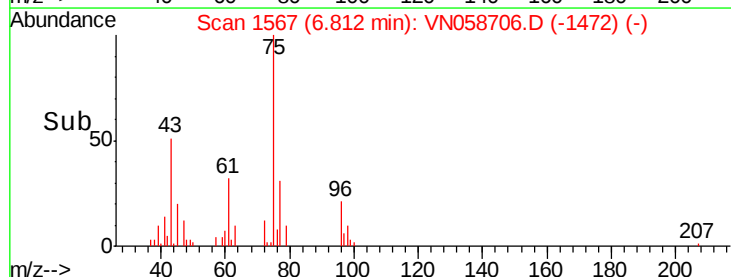
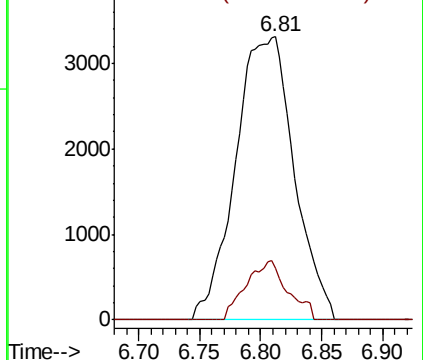
77 100

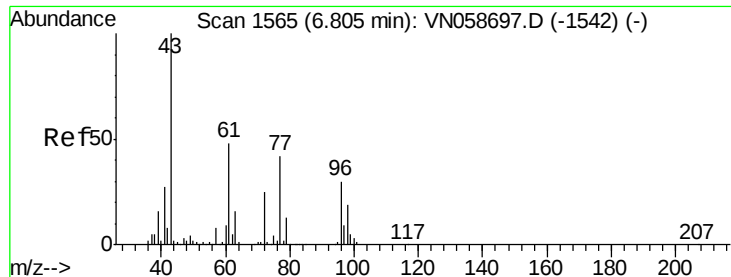
97 15.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 1.169 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

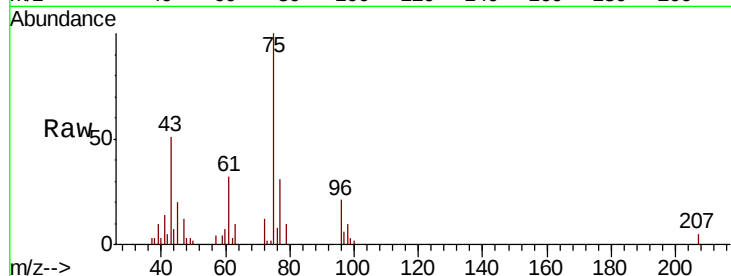
Tot Ion: 96 Resp: 6127

Ion Ratio Lower Upper

96 100

61 166.8 0.0 324.8

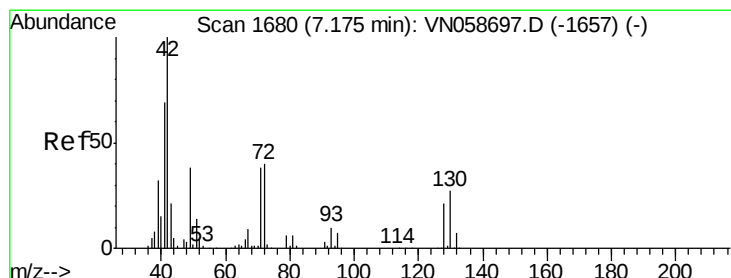
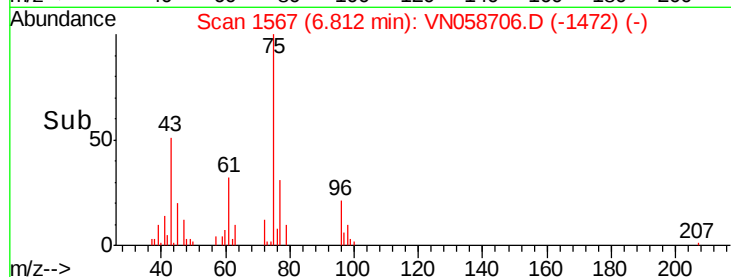
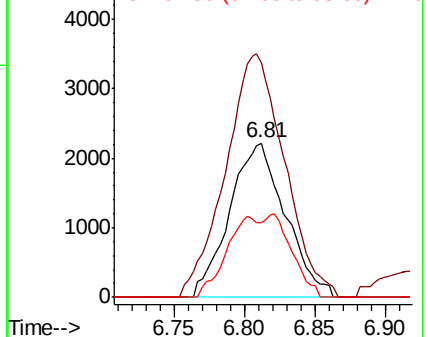
98 32.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.069 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

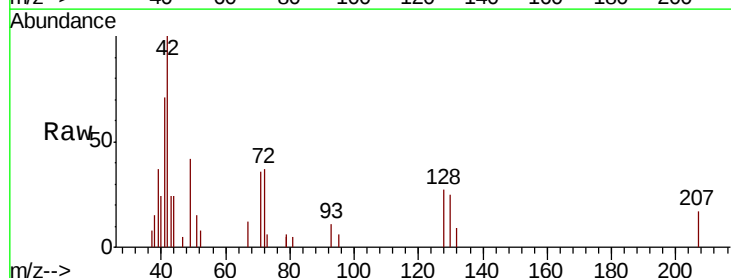
Tgt Ion: 49 Resp: 3339

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

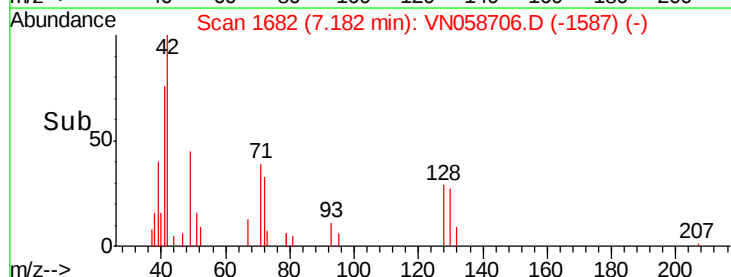
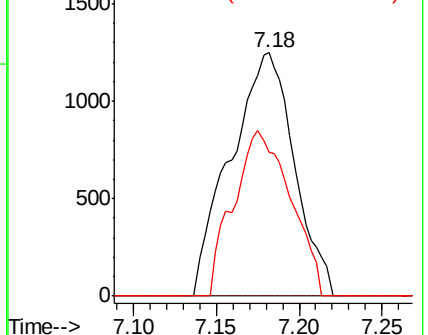
130 60.9 55.0 82.4

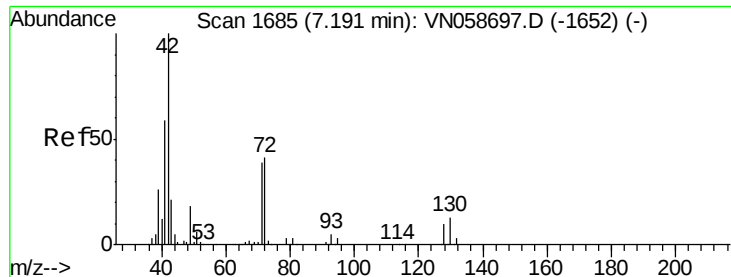


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

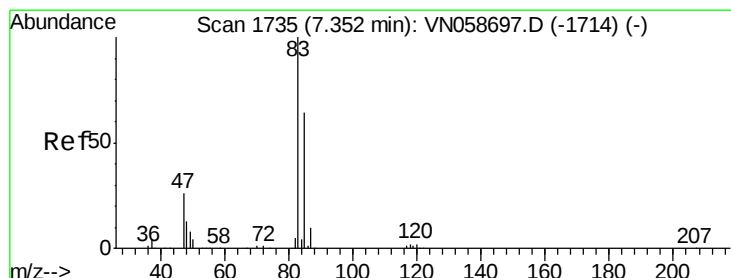
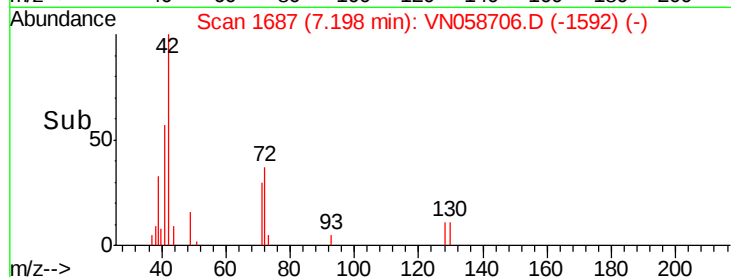
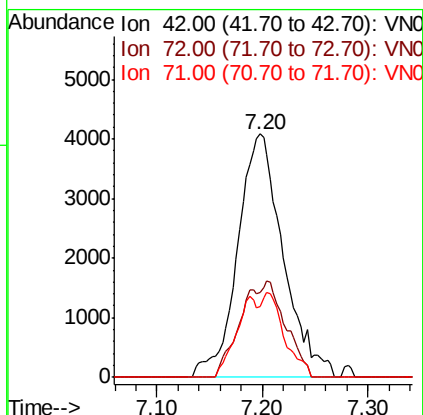
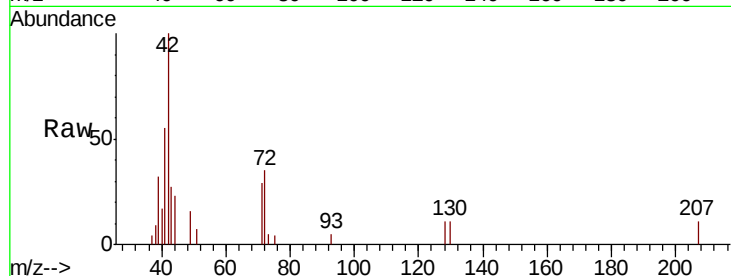




#29
Tetrahydrofuran
Concen: 5.403 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

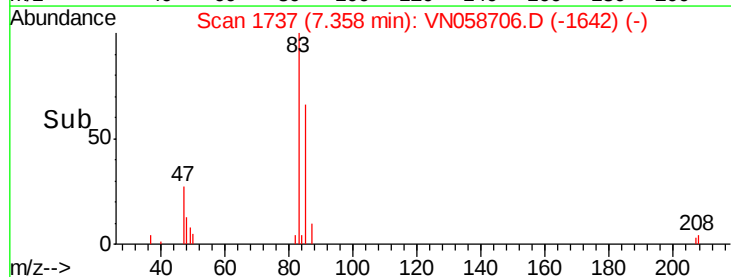
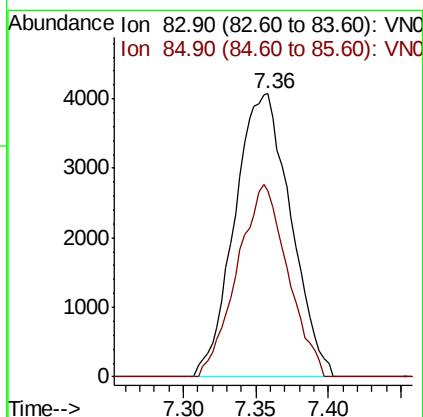
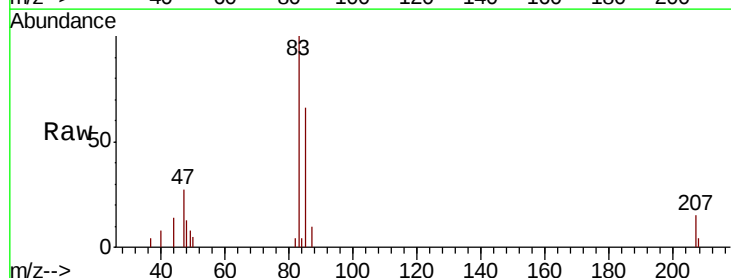
Instrument :
MSVOA_N
ClientSampled :

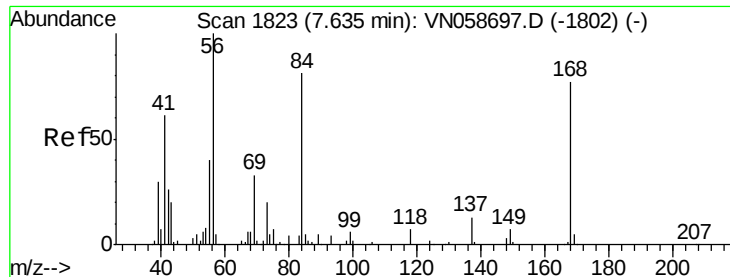
Tot Ion: 42 Resp: 12235
Ion Ratio Lower Upper
42 100
72 16.4 32.8 49.2#
71 15.1 31.1 46.7#



#30
Chloroform
Concen: 1.213 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 83 Resp: 10937
Ion Ratio Lower Upper
83 100
85 65.6 51.0 76.6

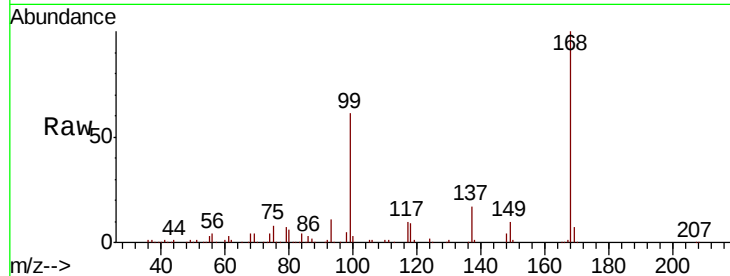




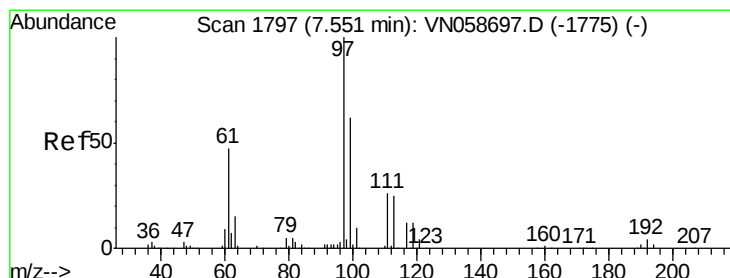
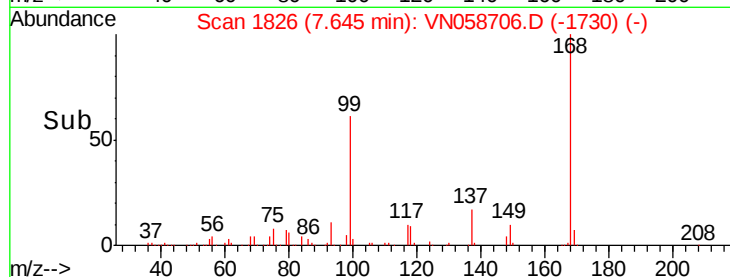
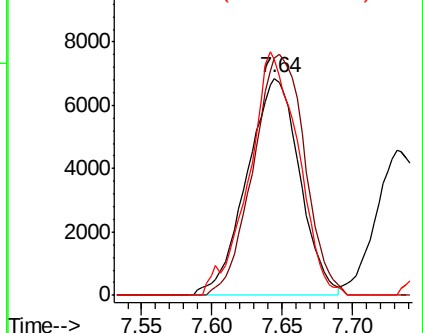
#31
Cyclohexane
Concen: 2.078 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 17853
Ion Ratio Lower Upper
56 100
69 109.4 26.2 39.4#
84 108.7 64.9 97.3#

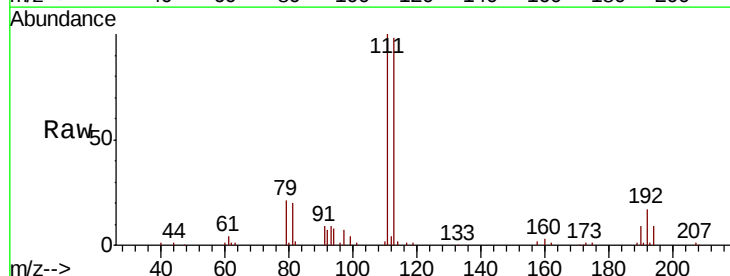


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

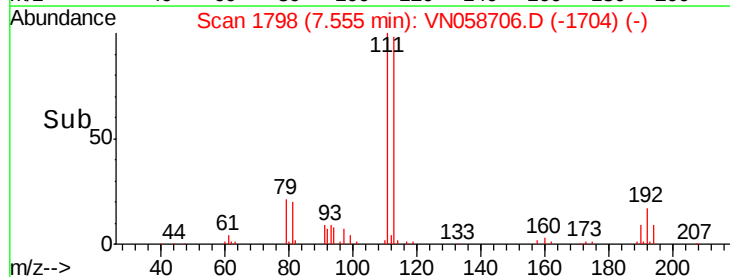
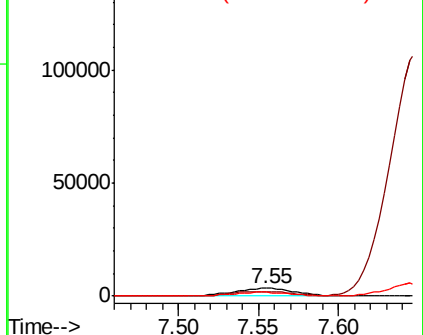


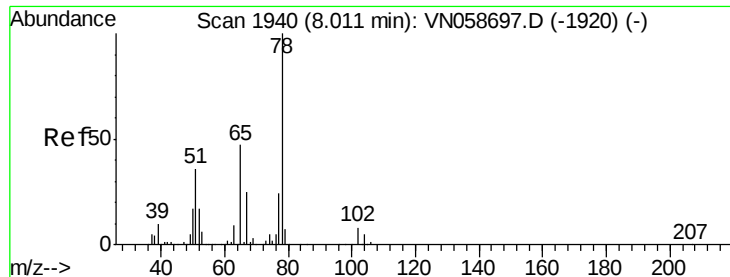
#32
1,1,1-Trichloroethane
Concen: 1.131 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 97 Resp: 8704
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 48.5 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

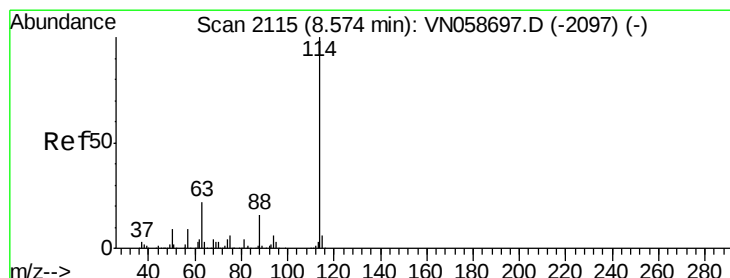
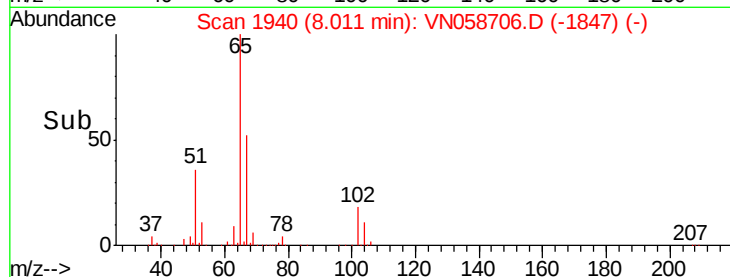
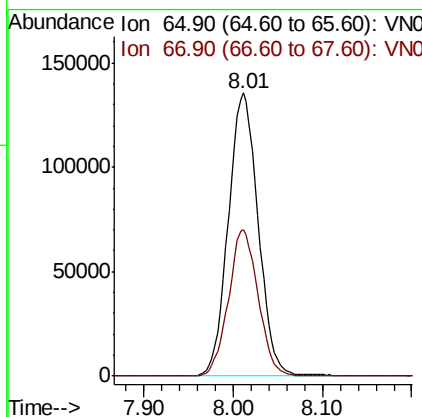
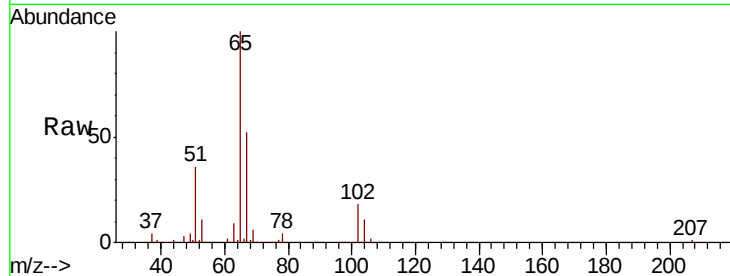




#33
 1,2-Dichloroethane-d4
 Concen: 53.768 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

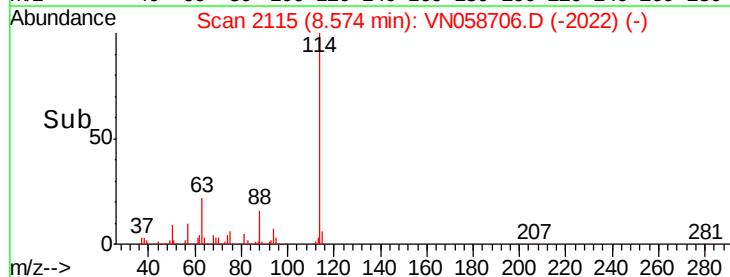
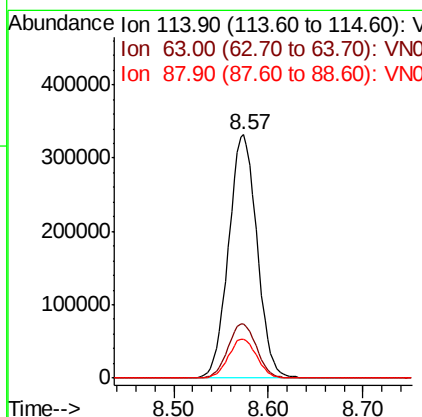
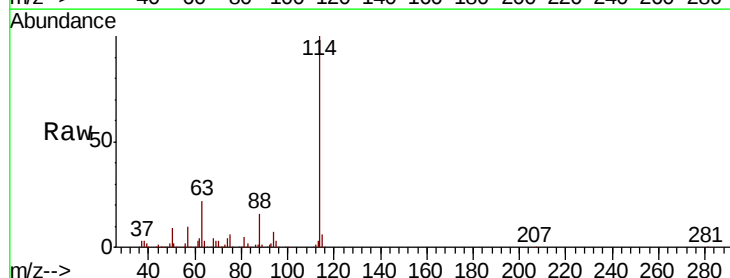
Instrument :
 MSVOA_N
 ClientSampled :

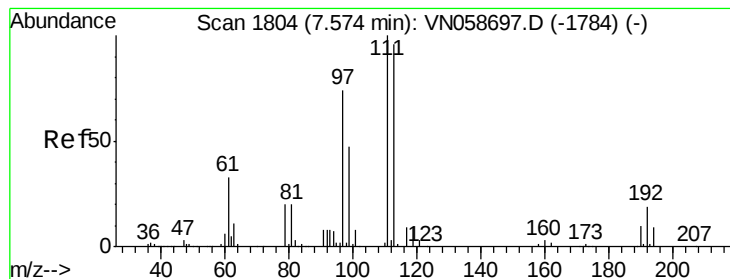
Tot Ion: 65 Resp: 314887
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 114 Resp: 691990
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.478 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

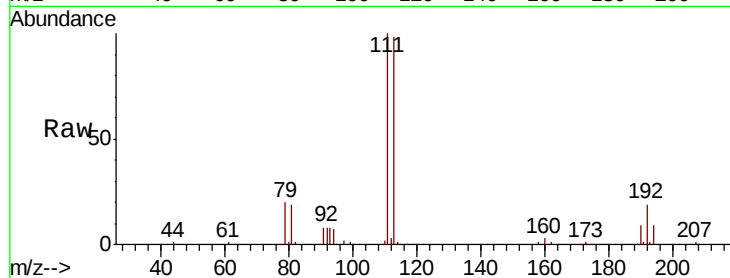
Tot Ion:113 Resp: 220030

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

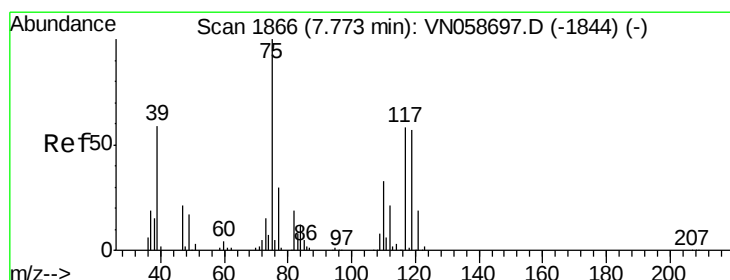
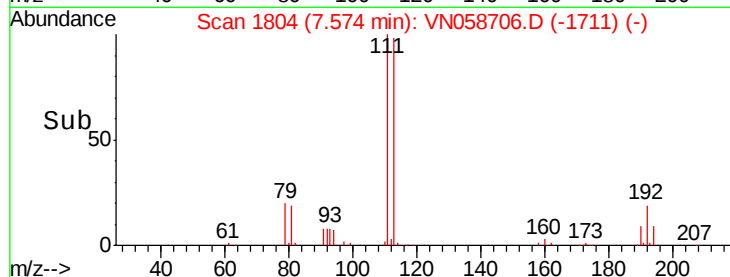
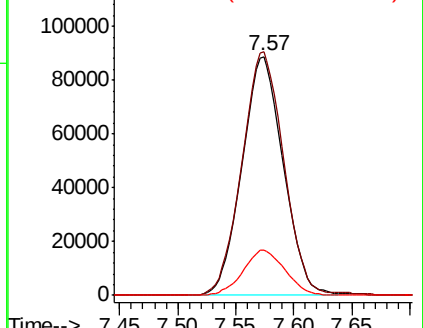
192 19.2 15.0 22.6



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: 1.068 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

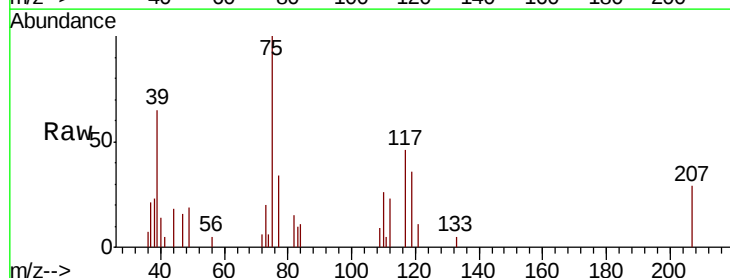
Tgt Ion: 75 Resp: 7474

Ion Ratio Lower Upper

75 100

110 29.3 16.6 49.8

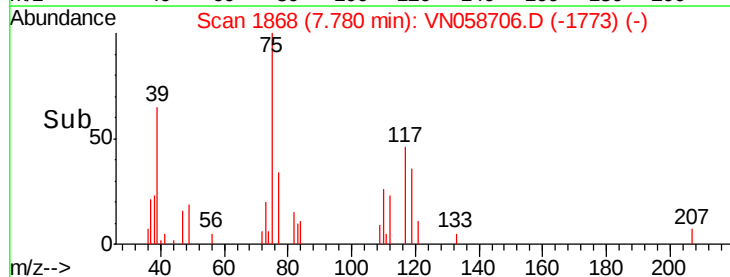
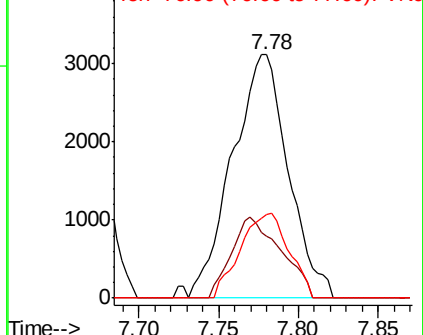
77 30.1 24.6 37.0

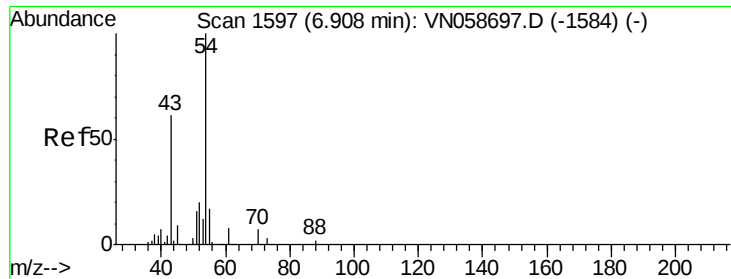


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

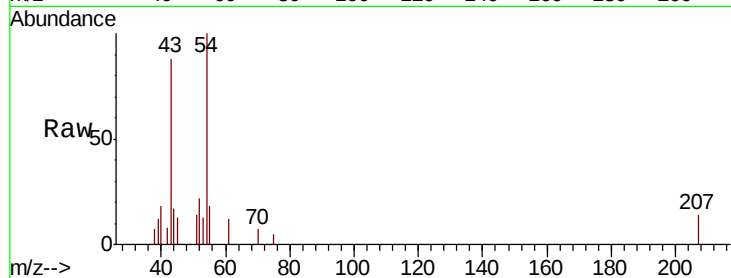




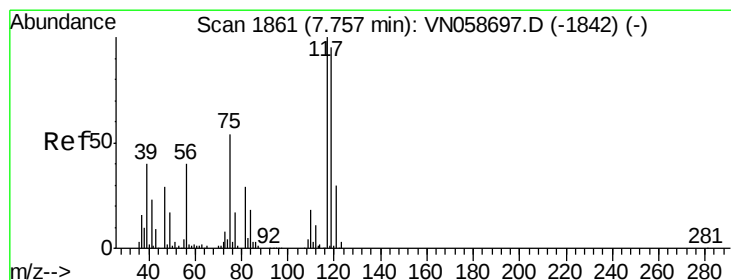
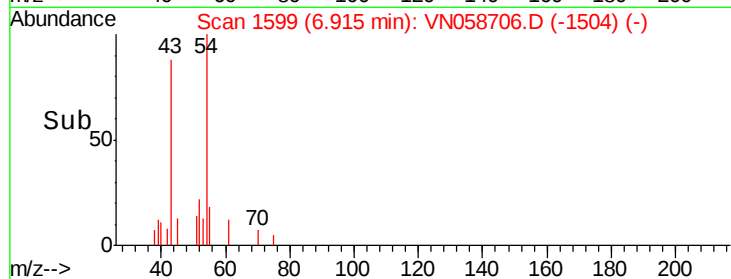
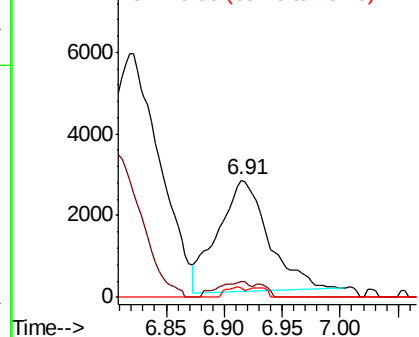
#37
Ethyl Acetate
Concen: 1.161 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 8215
Ion Ratio Lower Upper
43 100
61 9.1 11.3 16.9#
70 3.4 7.2 10.8#

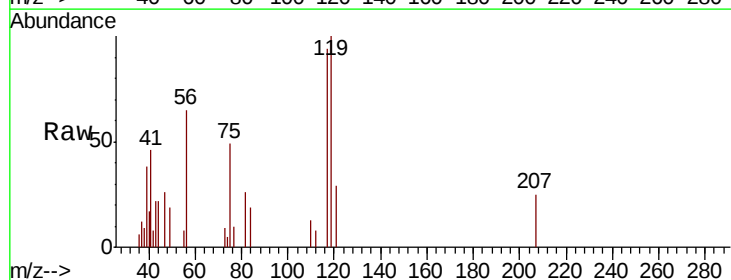


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

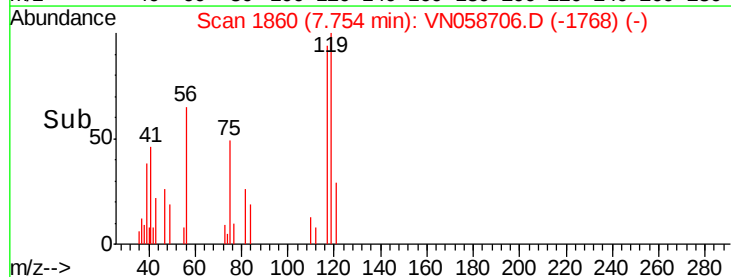
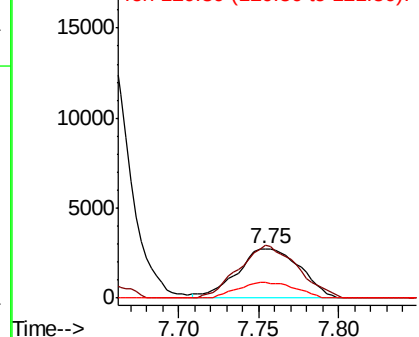


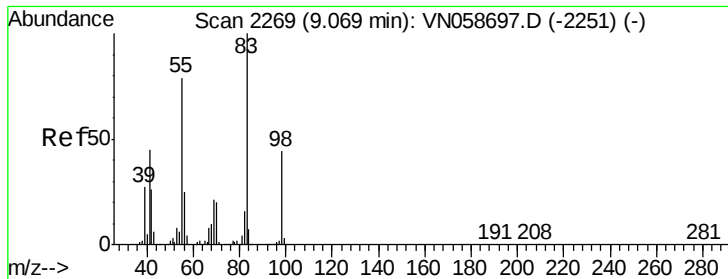
#38
Carbon Tetrachloride
Concen: 1.084 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 117 Resp: 7393
Ion Ratio Lower Upper
117 100
119 106.9 75.7 113.5
121 31.1 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

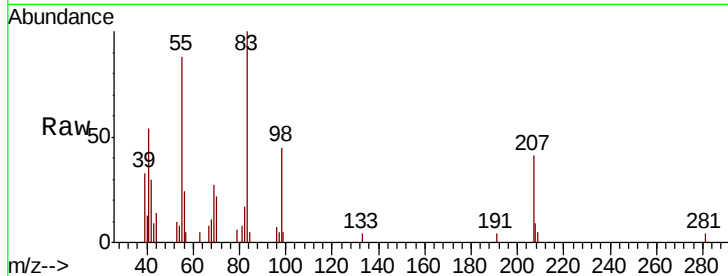




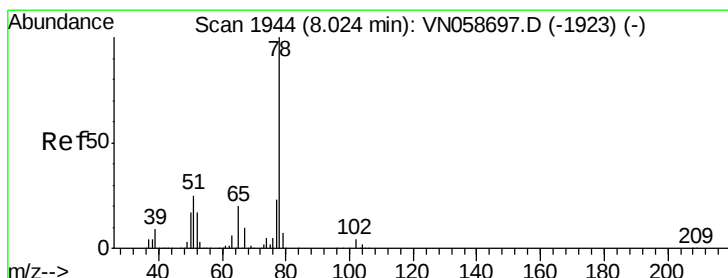
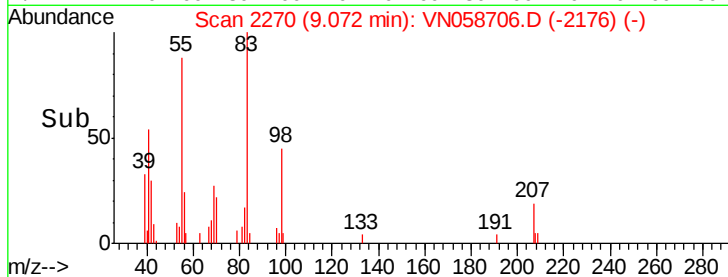
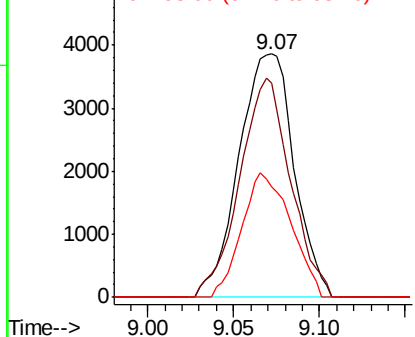
#39
Methvlcvclohexane
Concen: 1.063 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 8632
Ion Ratio Lower Upper
83 100
55 87.8 63.4 95.0
98 45.1 35.1 52.7

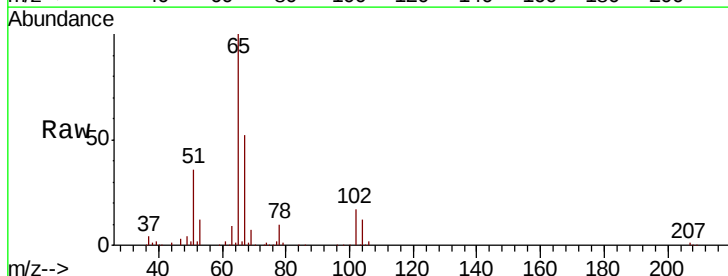


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

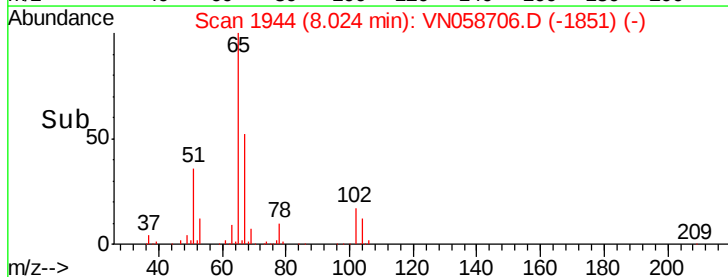
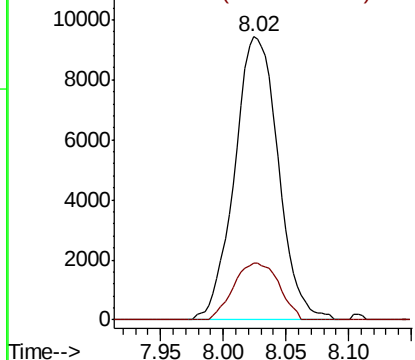


#40
Benzene
Concen: 1.138 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 78 Resp: 22868
Ion Ratio Lower Upper
78 100
77 19.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

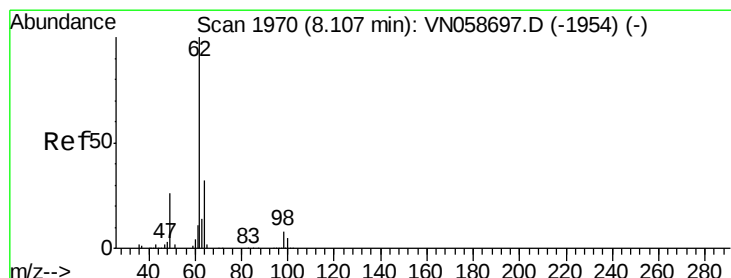
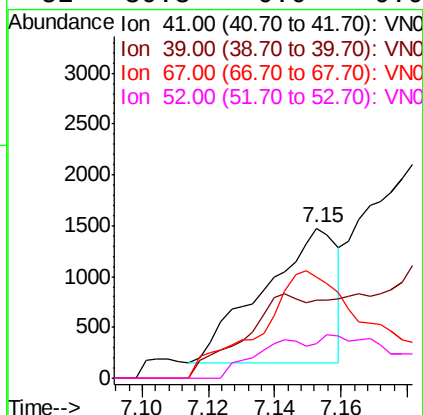
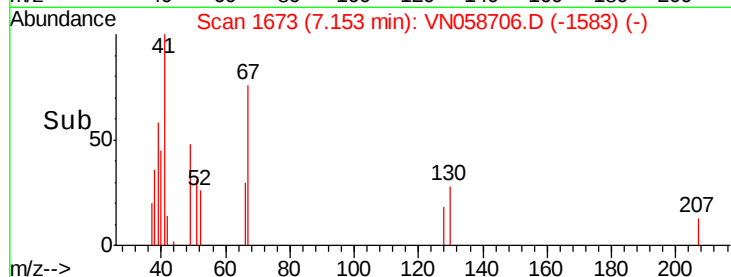
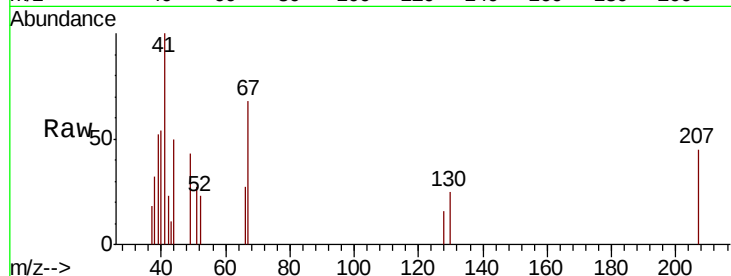




#41
Methacrylonitrile
Concen: 0.618 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

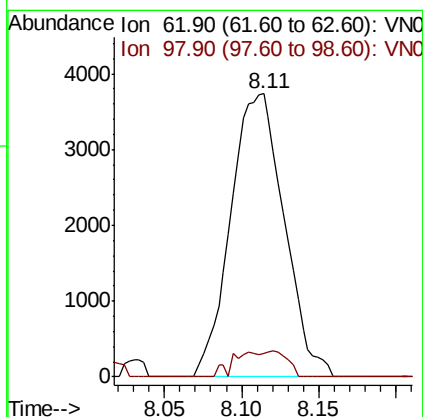
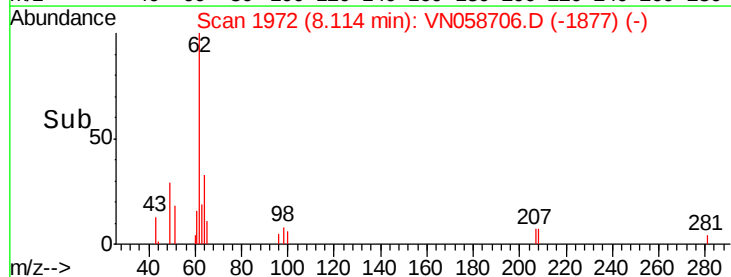
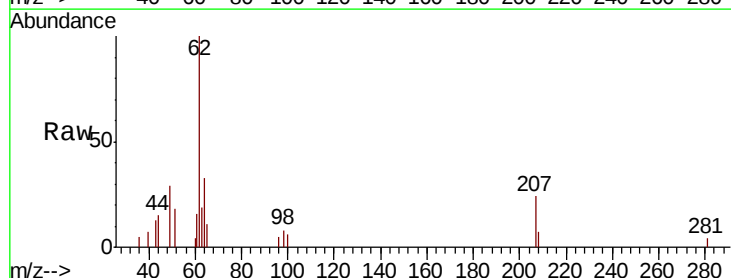
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2046
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 123.6 0.0 0.0#
52 30.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 1.163 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 62 Resp: 8975
Ion Ratio Lower Upper
62 100
98 4.5 0.0 15.8





#43

Isopropyl Acetate

Concen: 0.967 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

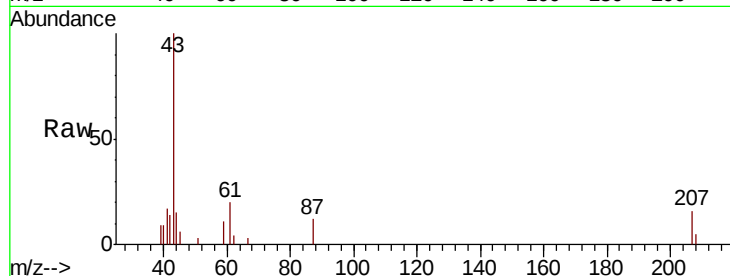
Tot Ion: 43 Resp: 11658

Ion Ratio Lower Upper

43 100

61 20.2 20.3 30.5#

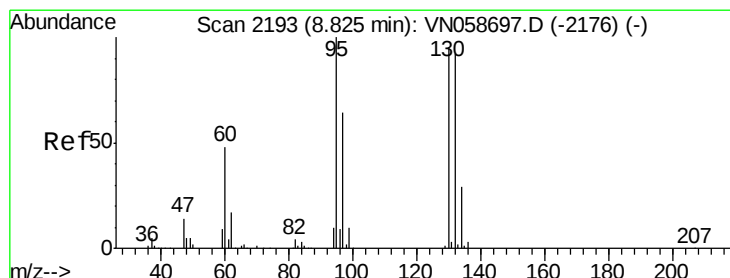
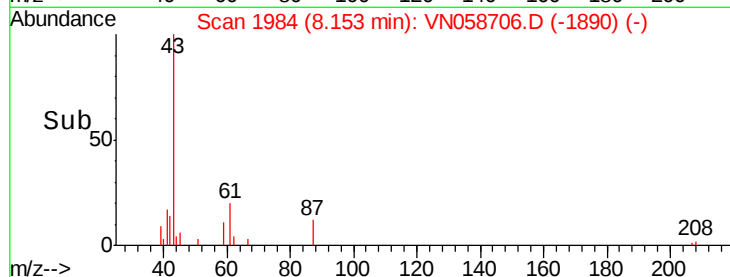
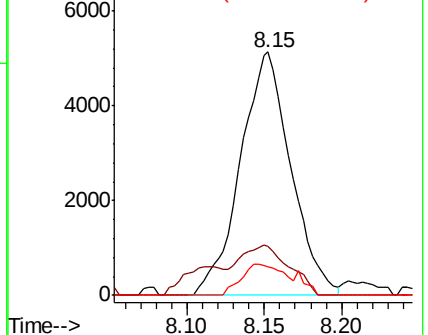
87 12.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 1.153 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058706.D

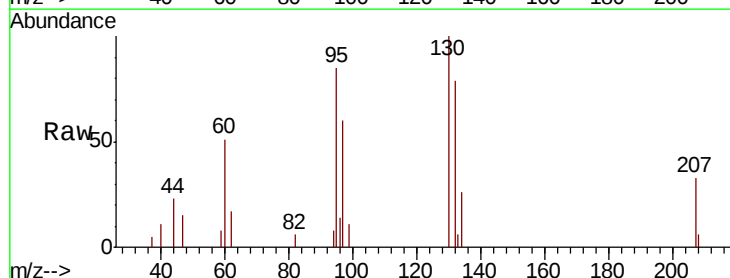
Acq: 11 Oct 2019 16:20

Tgt Ion: 130 Resp: 5754

Ion Ratio Lower Upper

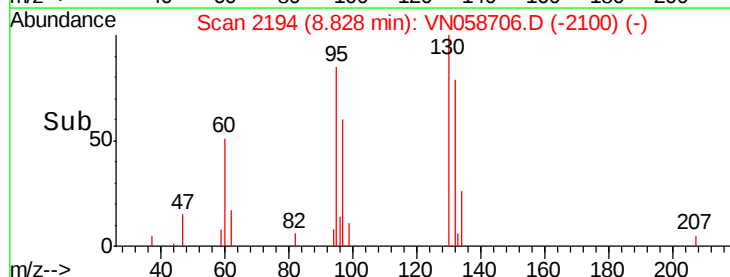
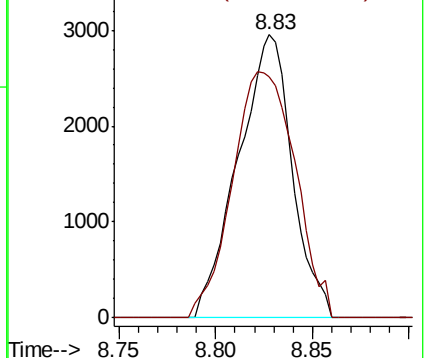
130 100

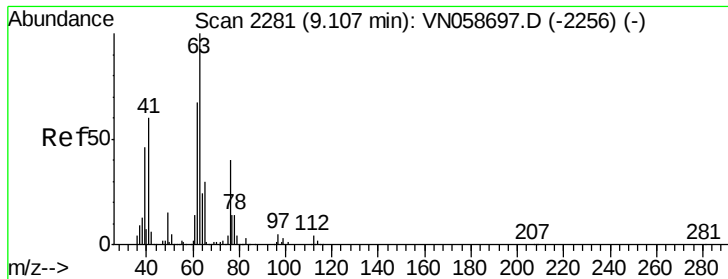
95 85.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

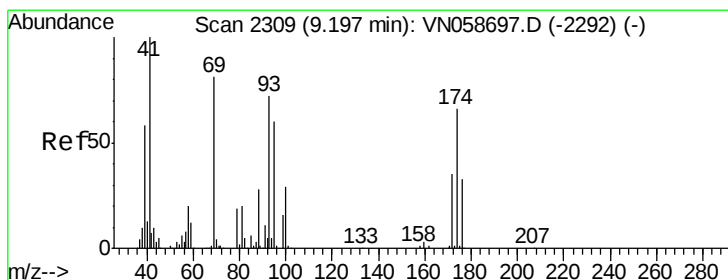
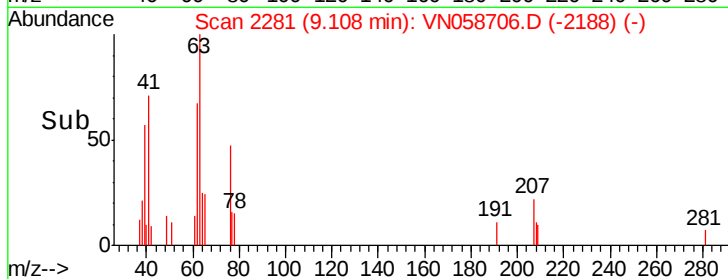
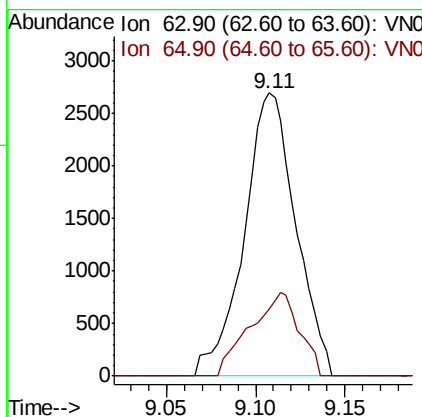
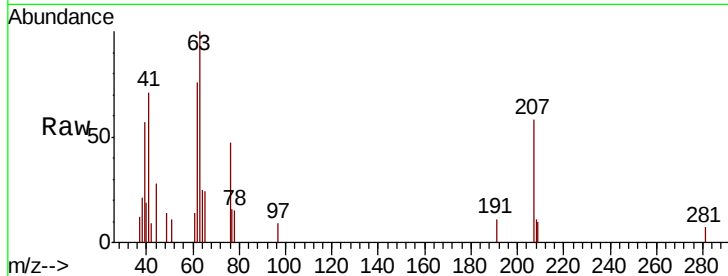




#45
 1,2-Dichloropropane
 Concen: 1.011 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

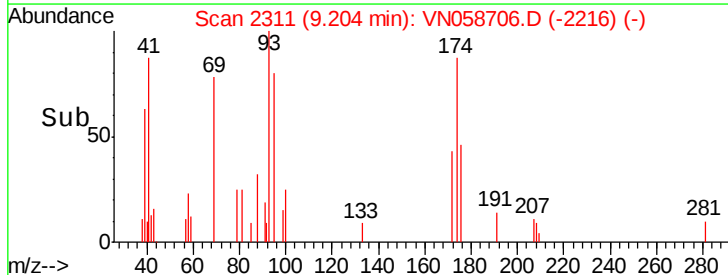
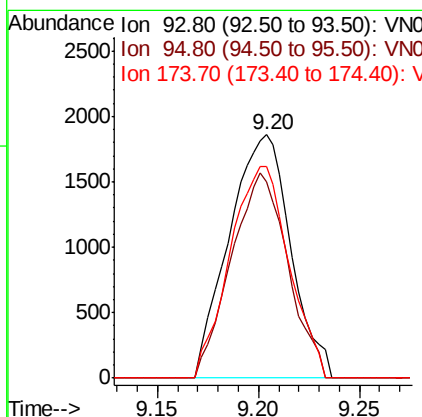
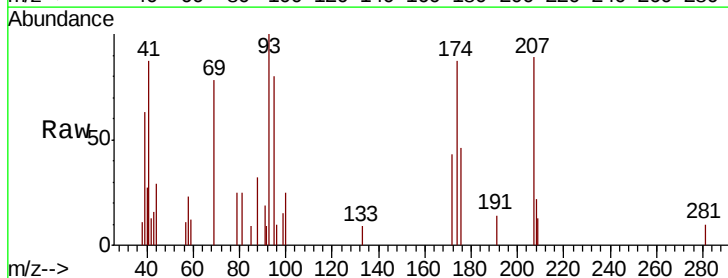
Instrument :
 MSVOA_N
 ClientSampled :

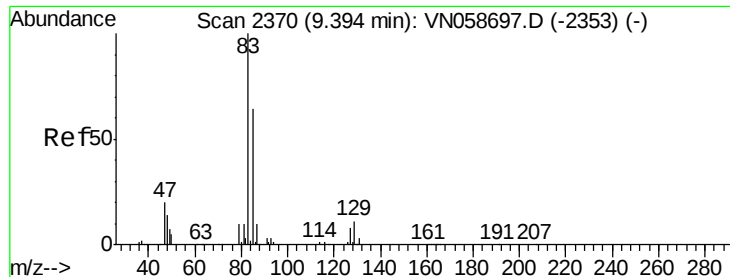
Tot Ion: 63 Resp: 5441
 Ion Ratio Lower Upper
 63 100
 65 23.8 24.1 36.1#



#46
 Dibromomethane
 Concen: 1.159 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 93 Resp: 3952
 Ion Ratio Lower Upper
 93 100
 95 77.5 66.6 100.0
 174 83.5 75.2 112.8





#47

Bromodichloromethane

Concen: 1.113 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

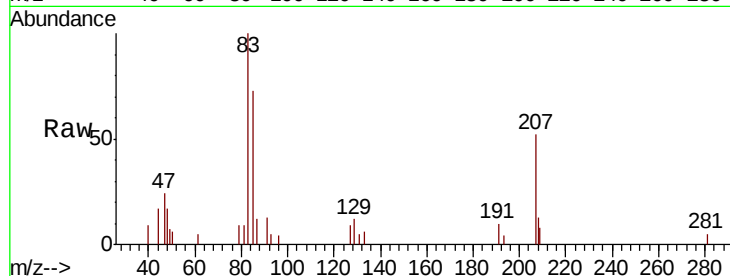
Tot Ion: 83 Resp: 7732

Ion Ratio Lower Upper

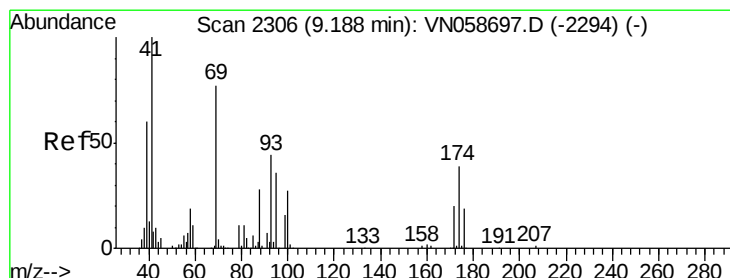
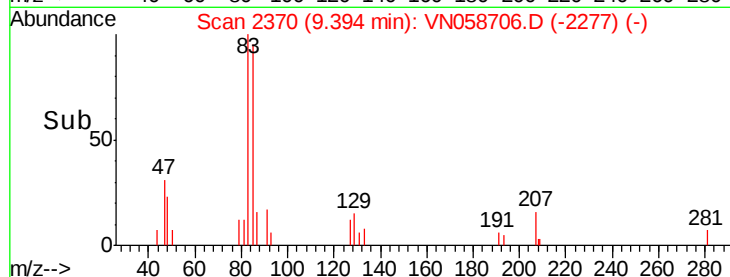
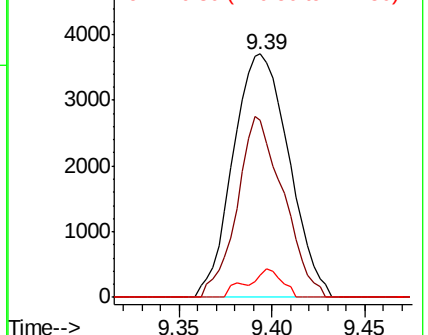
83 100

85 72.8 50.9 76.3

127 9.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.072 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

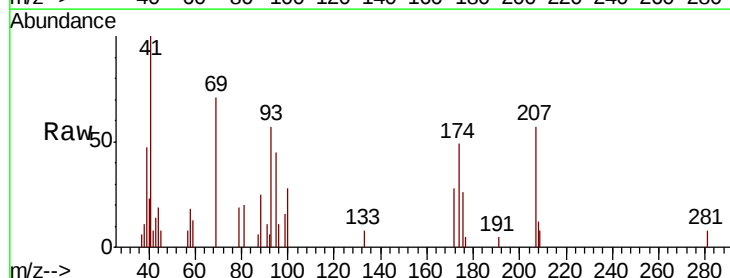
Tgt Ion: 41 Resp: 5858

Ion Ratio Lower Upper

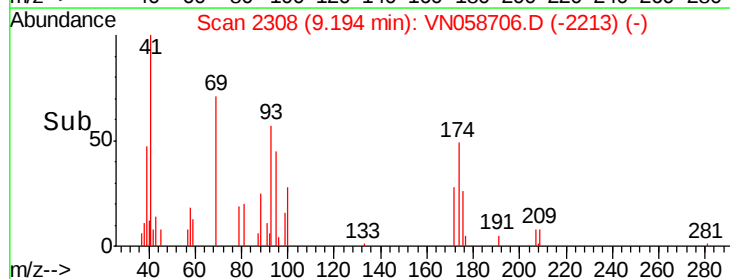
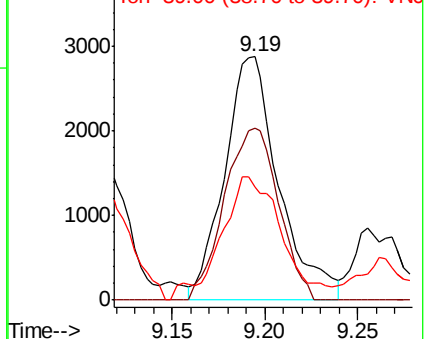
41 100

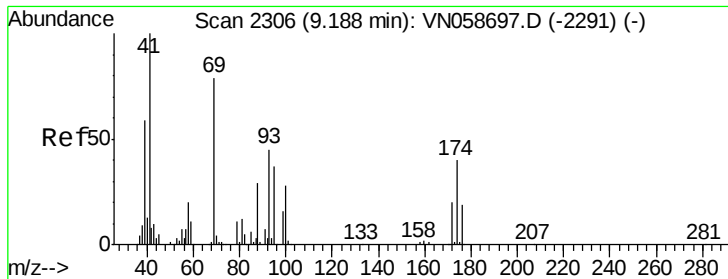
69 70.6 63.4 95.2

39 44.0 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

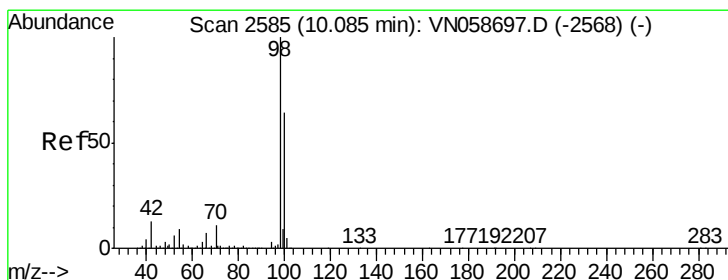
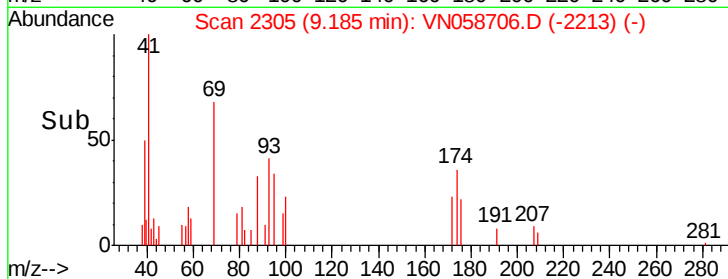
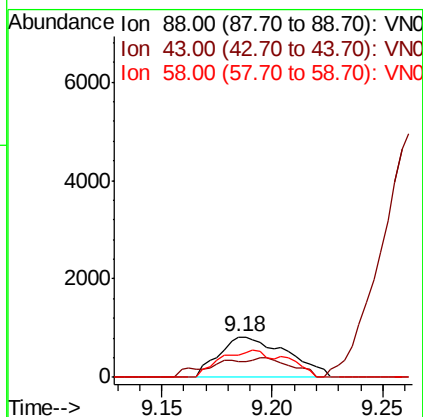
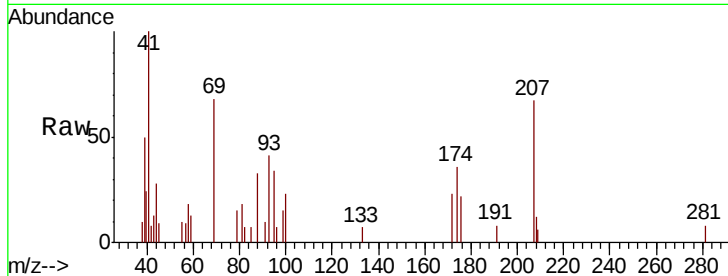




#49
 1,4-Dioxane
 Concen: 20.809 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

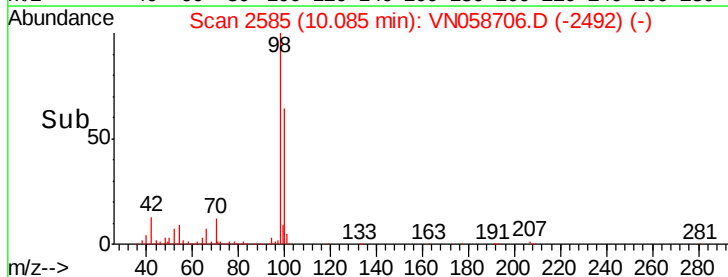
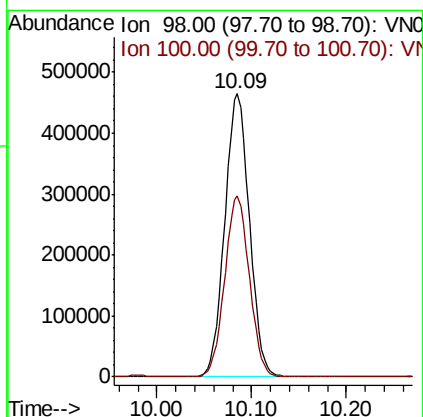
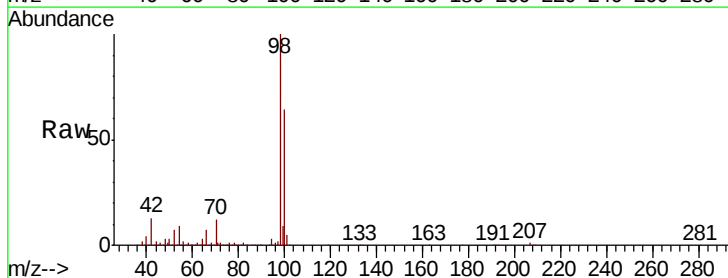
Instrument :
 MSVOA_N
 ClientSampleId :

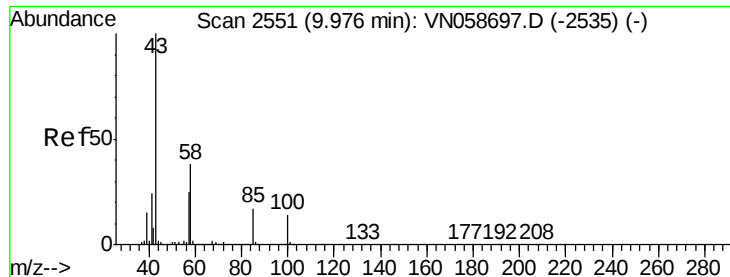
Tot Ion: 88 Resp: 1759
 Ion Ratio Lower Upper
 88 100
 43 28.7 28.6 43.0
 58 49.1 57.2 85.8#



#50
 Toluene-d8
 Concen: 49.303 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 98 Resp: 842706
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 5.049 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

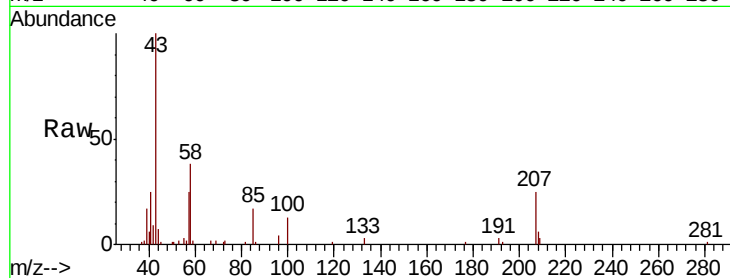
ClientSampled :

Tot Ion: 43 Resp: 34180

Ion Ratio Lower Upper

43 100

58 37.1 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

20000

15000

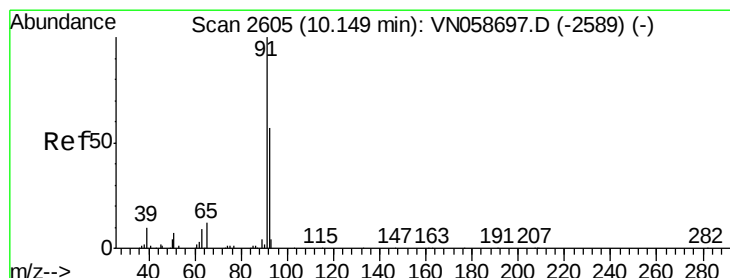
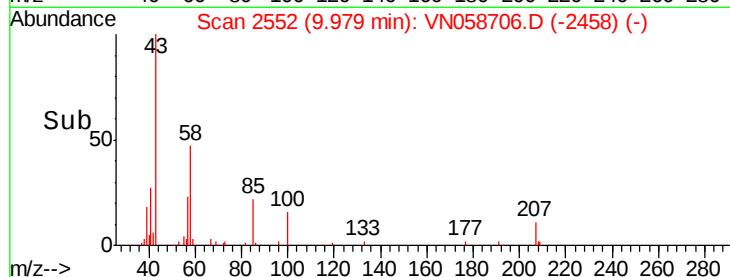
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 1.064 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058706.D

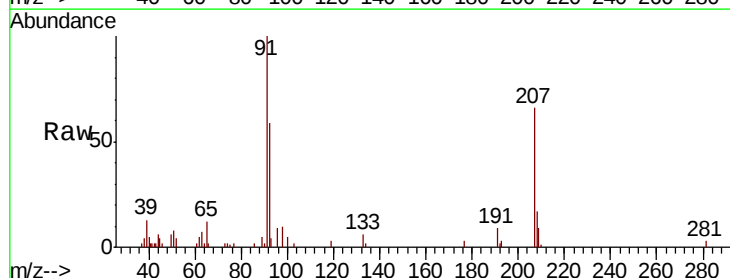
Acq: 11 Oct 2019 16:20

Tgt Ion: 92 Resp: 13078

Ion Ratio Lower Upper

92 100

91 173.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

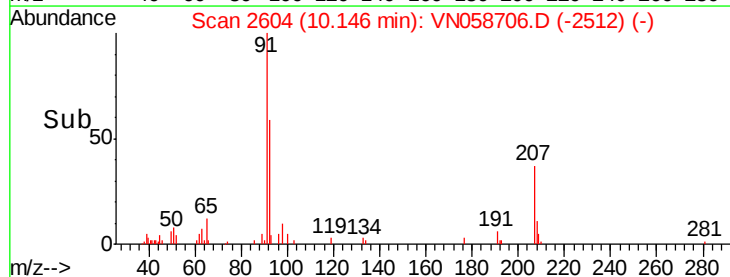
10000

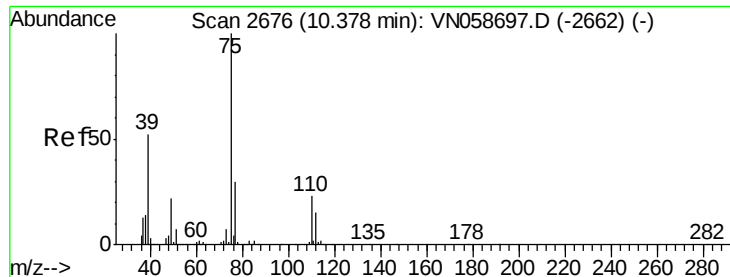
5000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.008 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

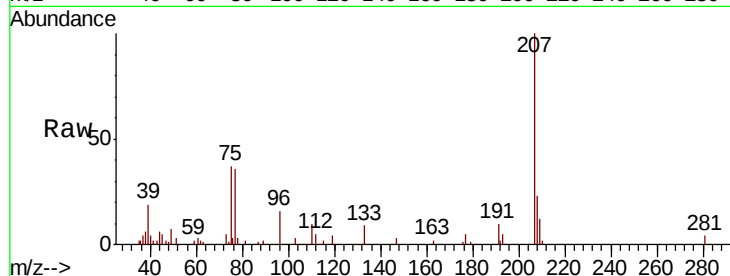
ClientSampleId :

Tot Ion: 75 Resp: 8027

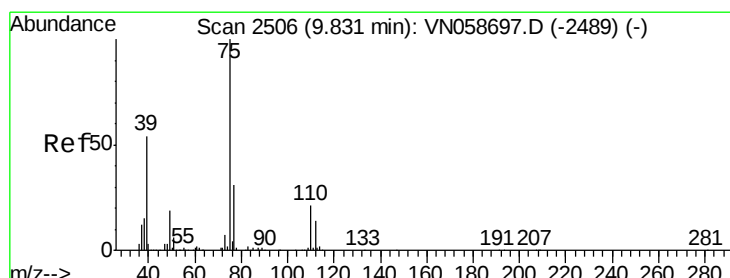
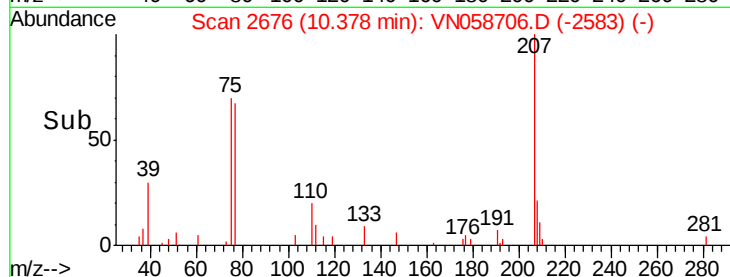
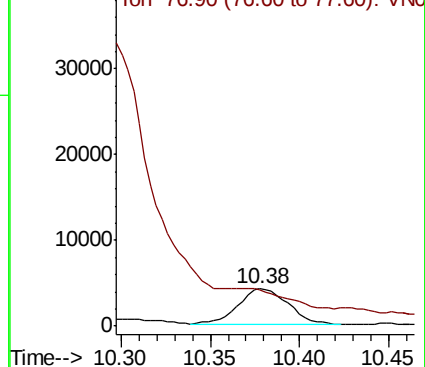
Ion Ratio Lower Upper

75 100

77 50.0 26.2 39.4#



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



#54

cis-1,3-Dichloropropene

Concen: 1.048 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.01 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

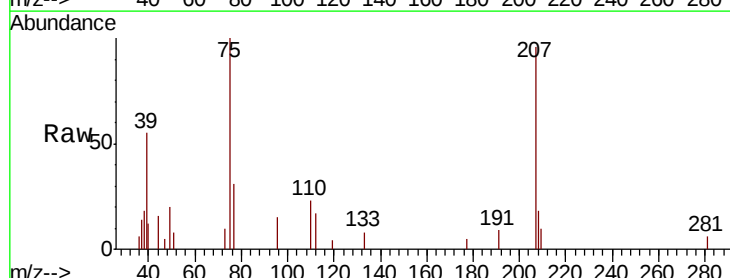
Tgt Ion: 75 Resp: 8859

Ion Ratio Lower Upper

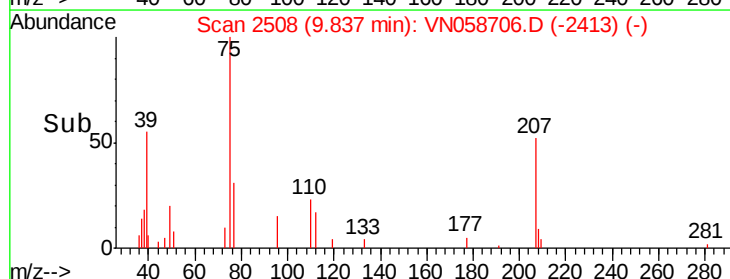
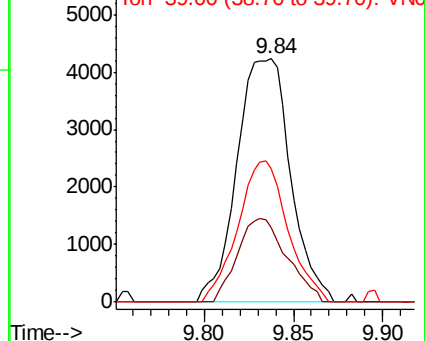
75 100

77 30.9 24.4 36.6

39 54.9 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

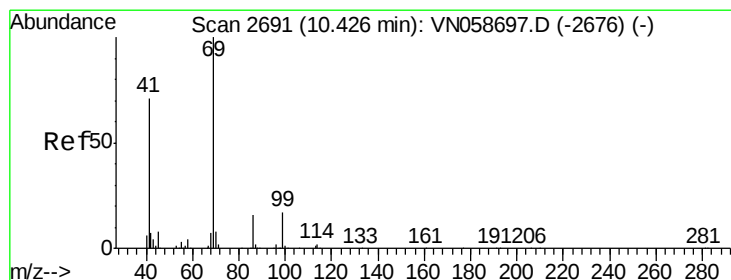
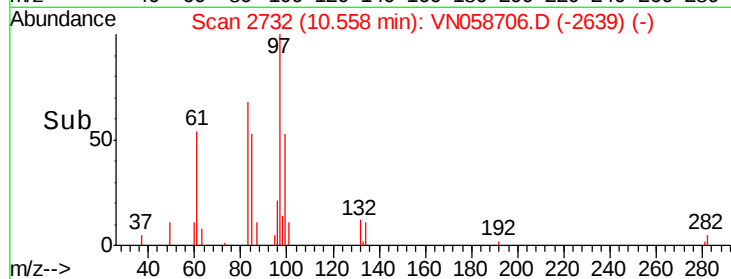
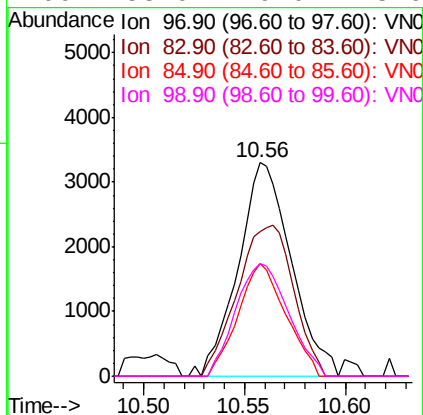
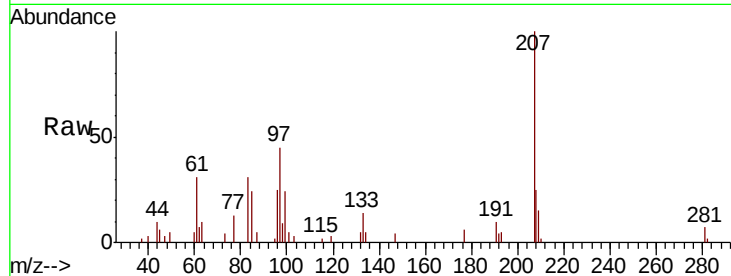




#55
 1,1,2-Trichloroethane
 Concen: 1.209 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

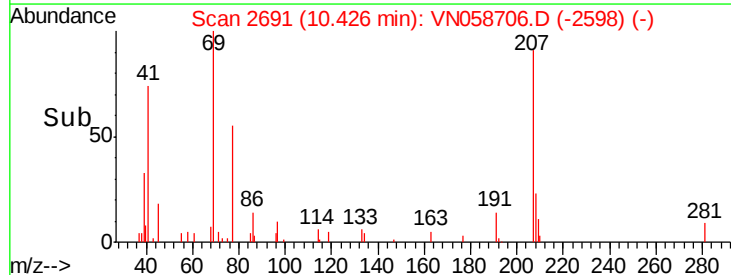
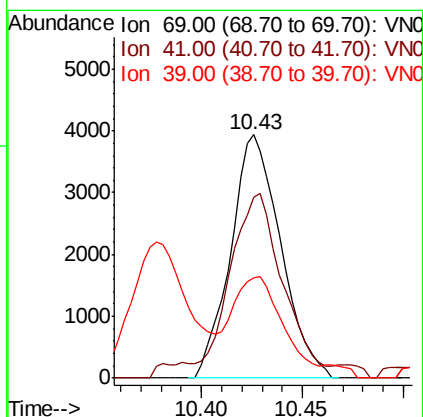
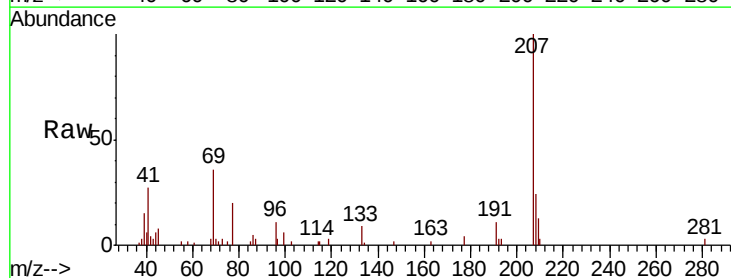
Instrument :
 MSVOA_N
 ClientSampleId :

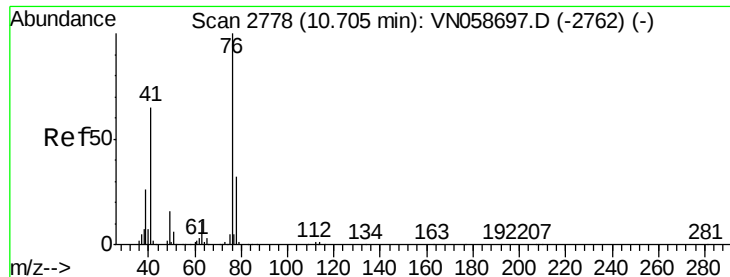
Tot Ion: 97 Resp: 6082
 Ion Ratio Lower Upper
 97 100
 83 67.8 71.2 106.8#
 85 52.7 46.7 70.1
 99 53.0 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 0.930 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 69 Resp: 6835
 Ion Ratio Lower Upper
 69 100
 41 84.9 56.8 85.2
 39 36.6 32.5 48.7





#57

1,3-Dichloropropane

Concen: 1.031 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

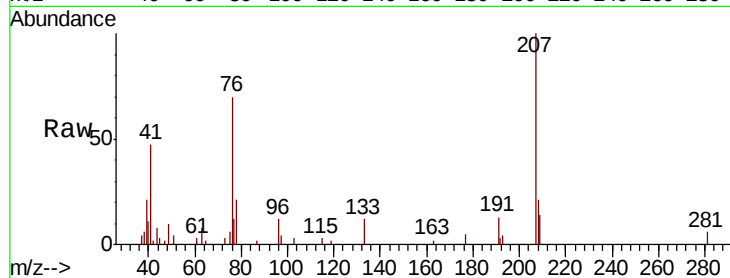
ClientSampleId :

Tot Ion: 76 Resp: 8841

Ion Ratio Lower Upper

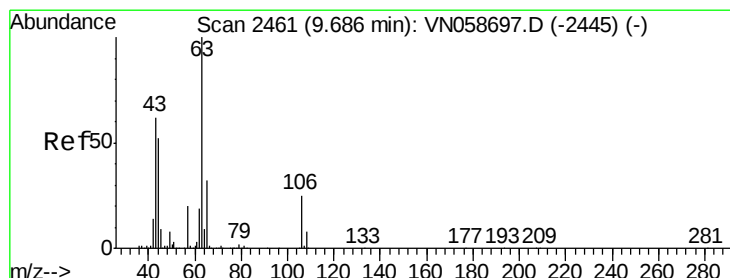
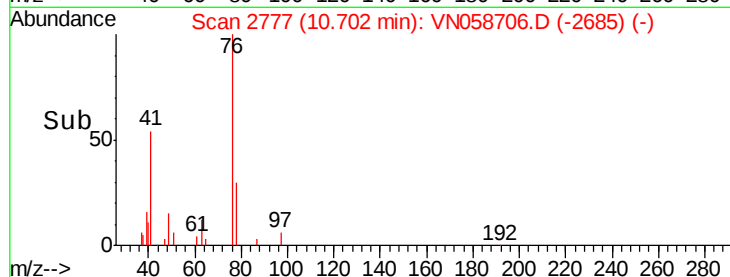
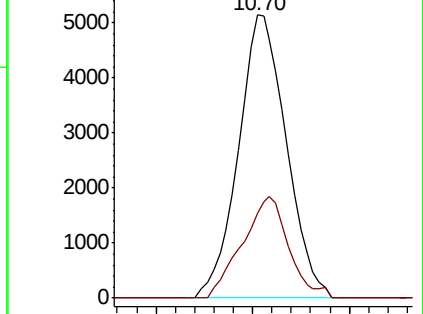
76 100

78 34.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 4.075 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058706.D

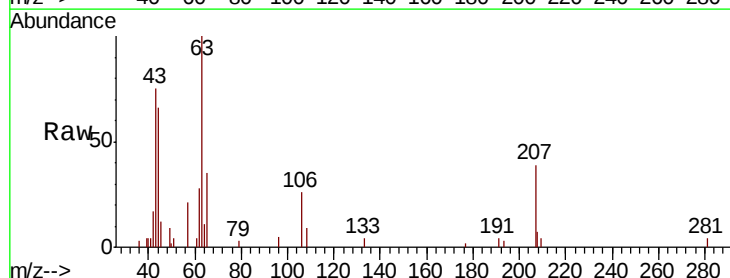
Acq: 11 Oct 2019 16:20

Tgt Ion: 63 Resp: 14430

Ion Ratio Lower Upper

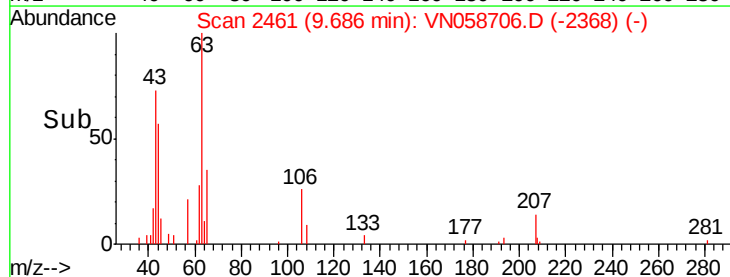
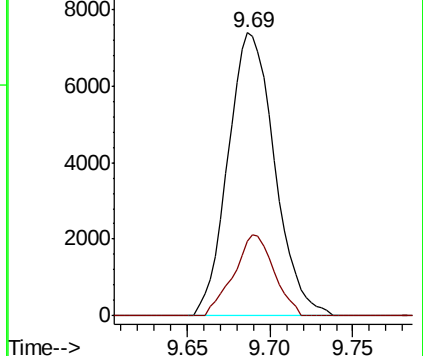
63 100

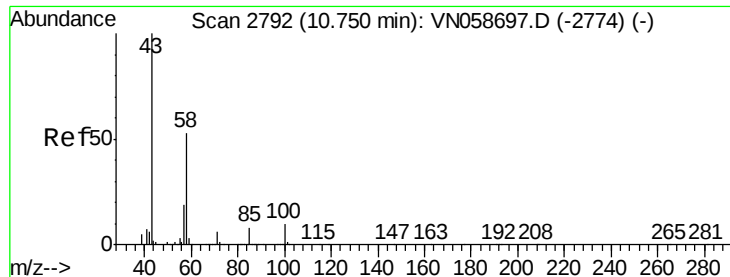
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

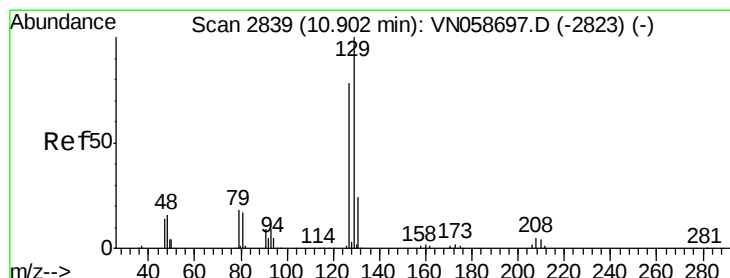
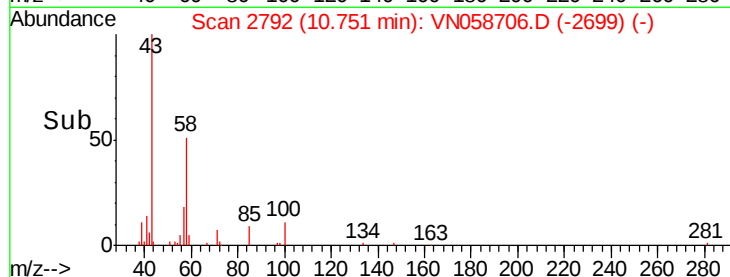
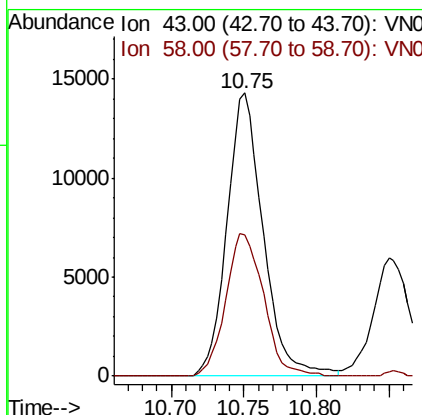
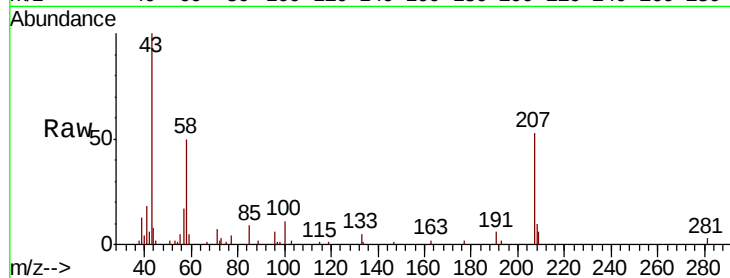




#59
2-Hexanone
Concen: 4.739 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

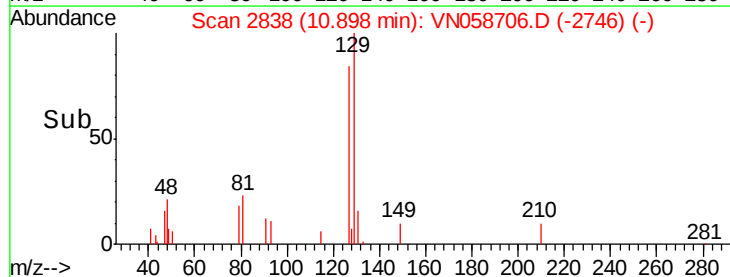
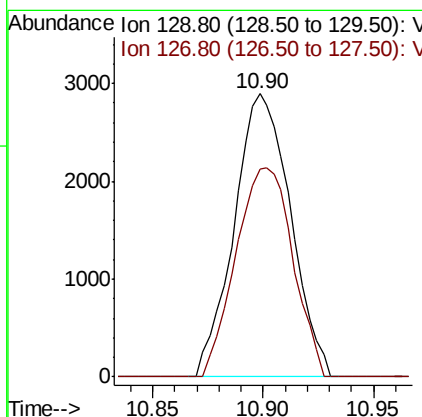
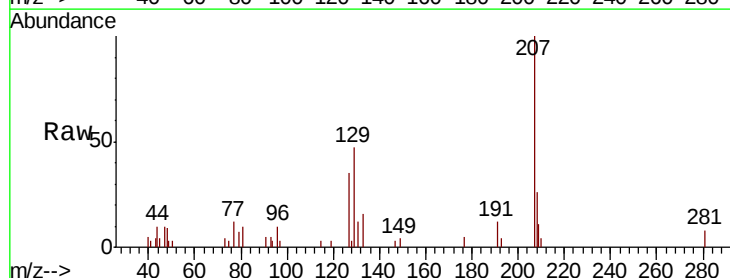
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 24792
Ion Ratio Lower Upper
43 100
58 52.7 26.1 78.3



#60
Dibromochloromethane
Concen: 0.989 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 129 Resp: 5132
Ion Ratio Lower Upper
129 100
127 74.6 38.5 115.3

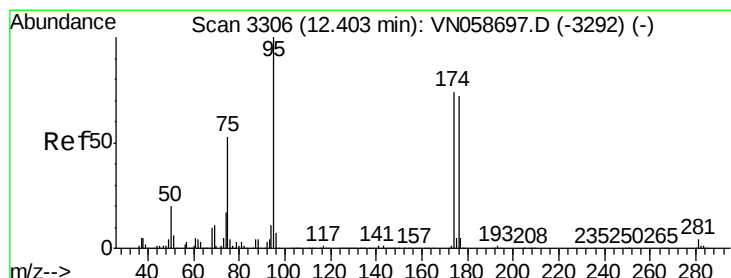
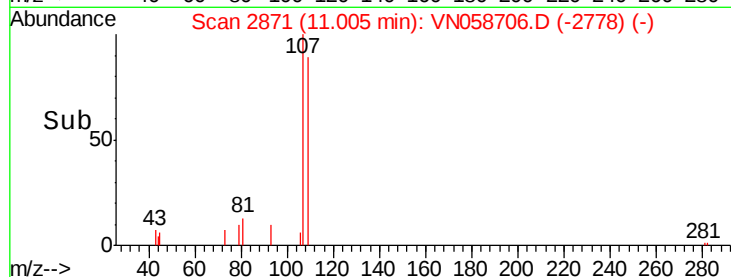
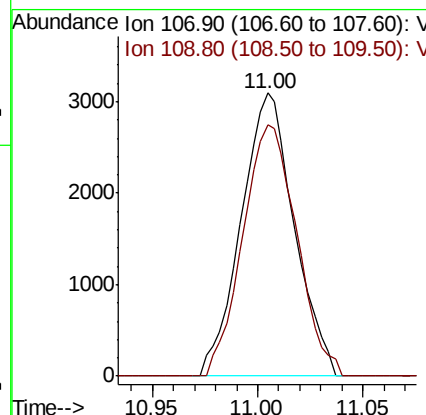
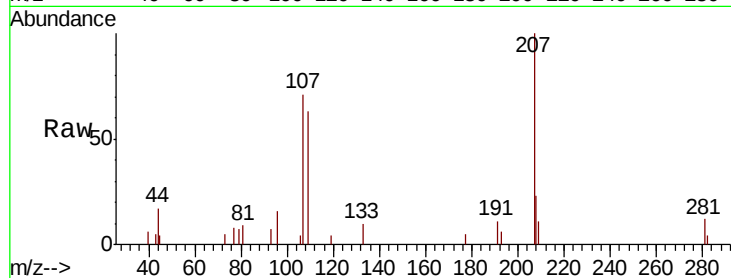




#61
 1,2-Dibromoethane
 Concen: 1.074 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

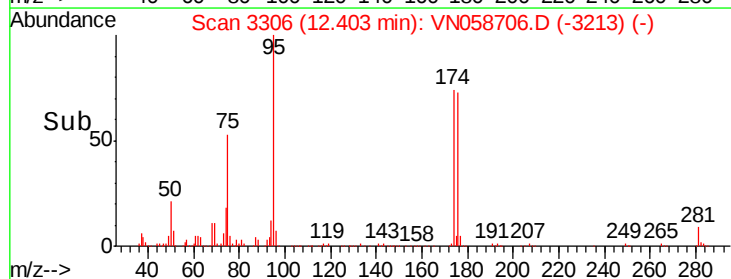
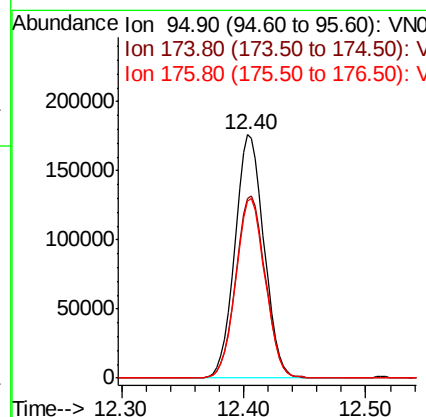
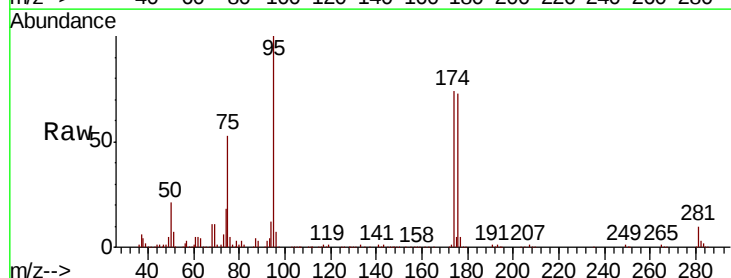
Instrument :
 MSVOA_N
 ClientSampleId :

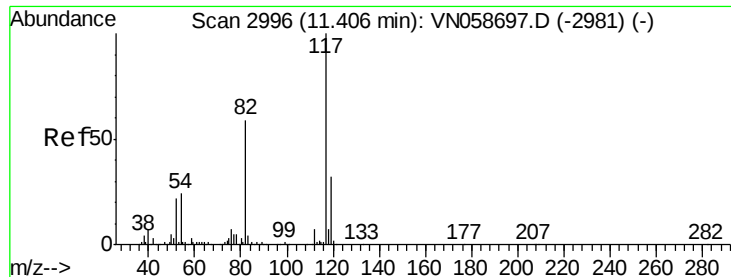
Tot Ion: 107 Resp: 5410
 Ion Ratio Lower Upper
 107 100
 109 90.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 45.245 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion: 95 Resp: 292728
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.4
 176 74.4 0.0 146.8

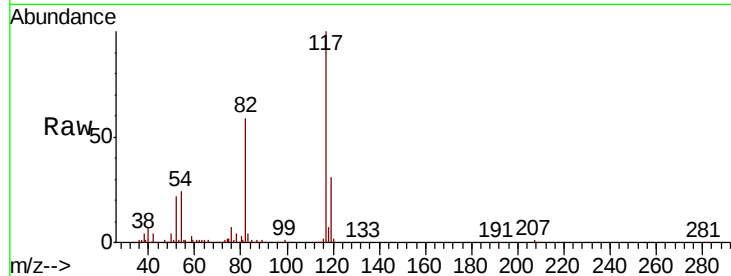




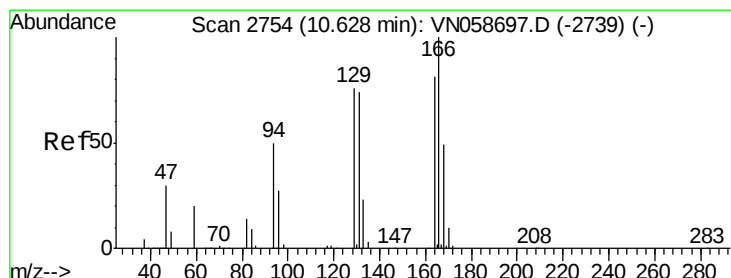
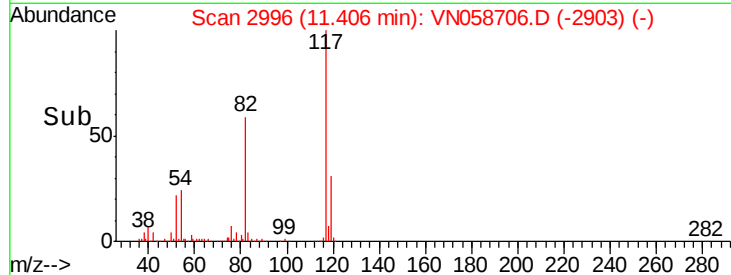
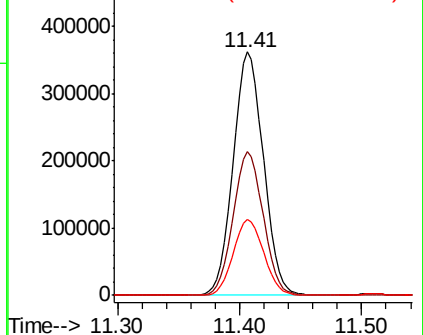
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 623590
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.0 25.4 38.2

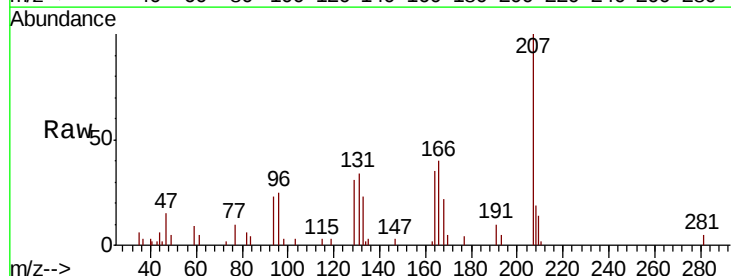


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

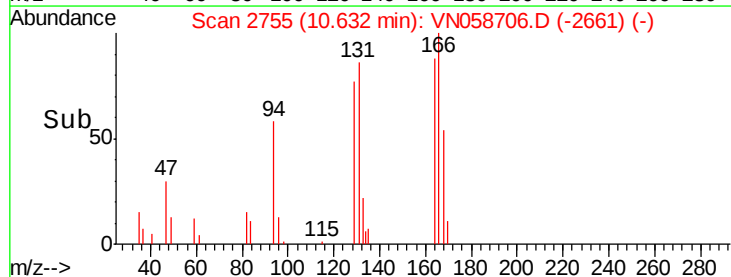
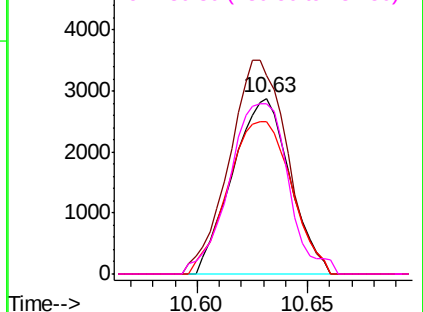


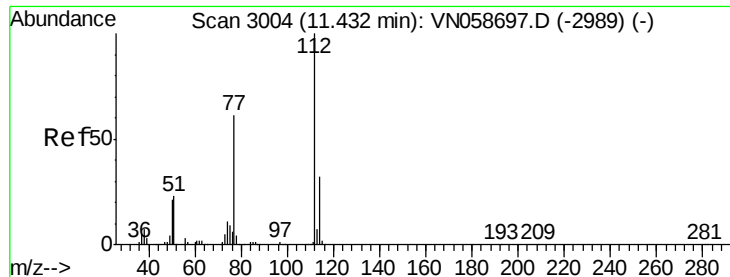
#64
Tetrachloroethene
Concen: 1.192 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion:164 Resp: 5203
Ion Ratio Lower Upper
164 100
166 113.3 99.3 148.9
129 87.0 75.2 112.8
131 97.2 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

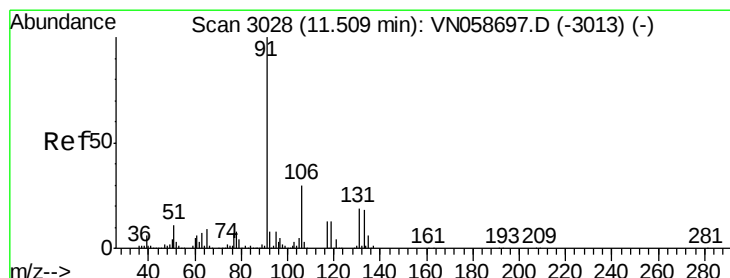
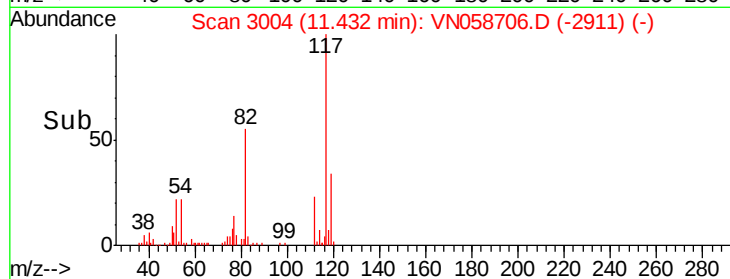
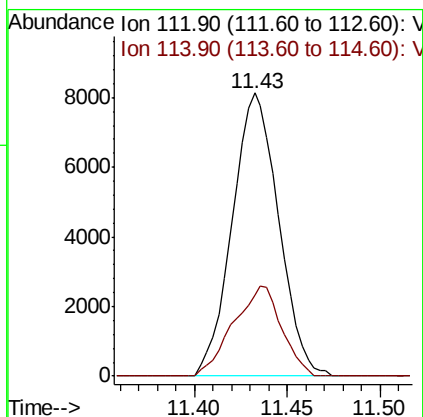
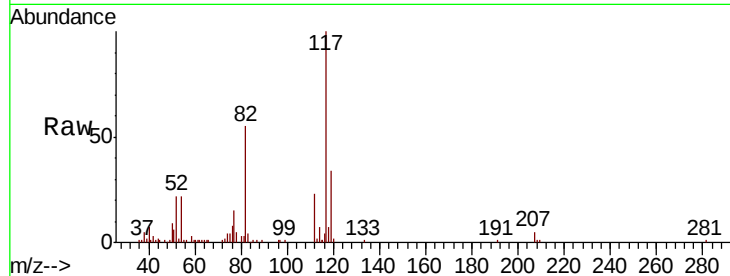




#65
Chlorobenzene
Concen: 1.113 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

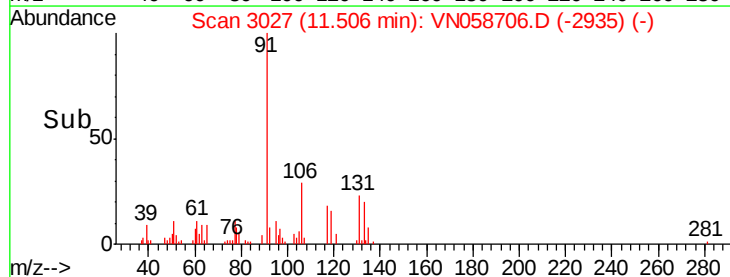
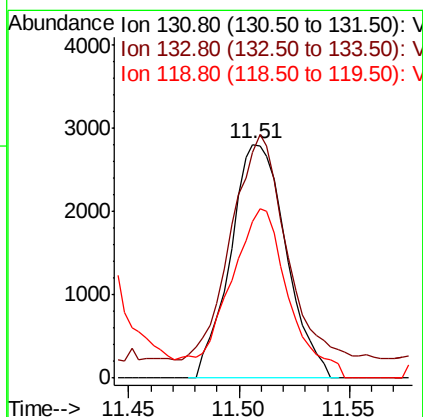
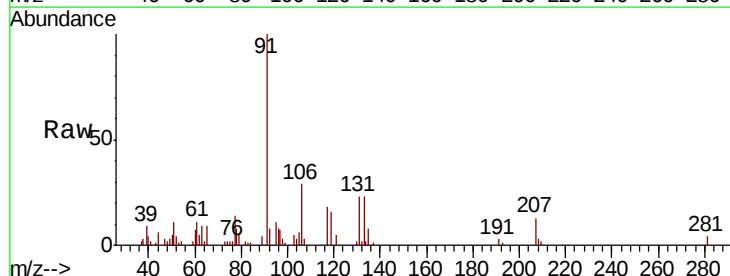
Instrument :
MSVOA_N
ClientSampled :

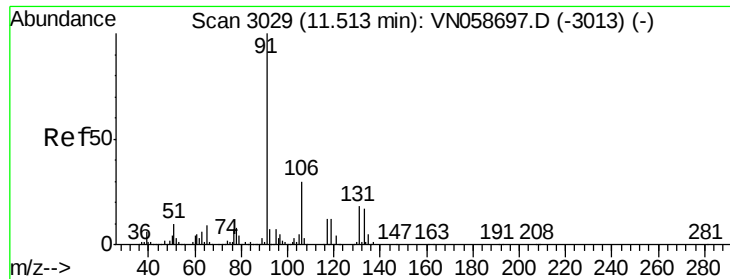
Tot Ion:112 Resp: 14090
Ion Ratio Lower Upper
112 100
114 28.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion:131 Resp: 4895
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 0.0 33.0 98.9#

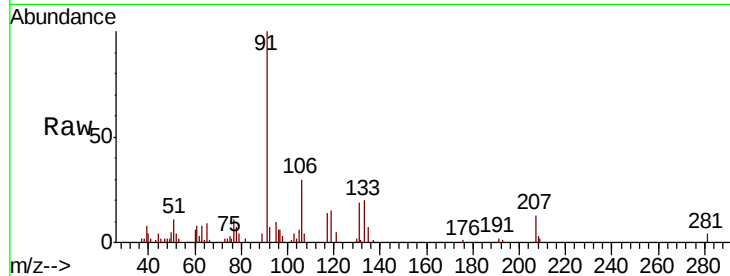




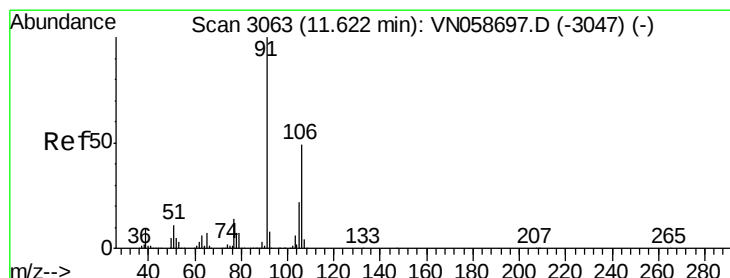
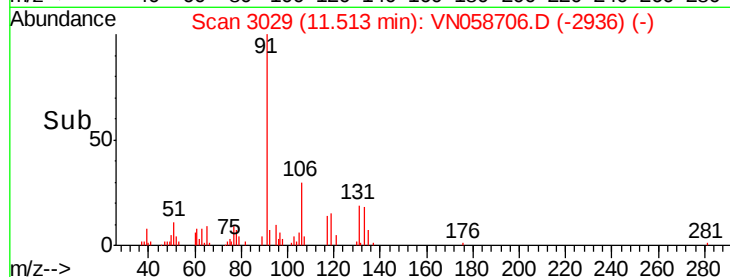
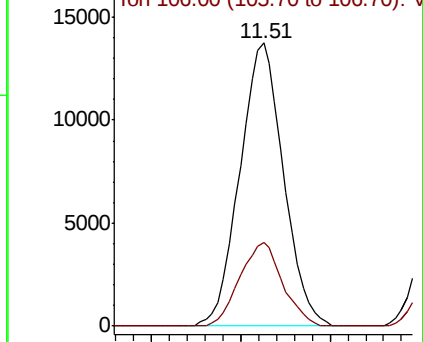
#67
Ethyl Benzene
Concen: 1.042 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 23513
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

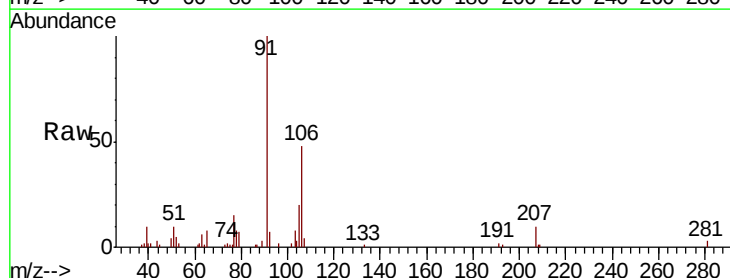


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)
Ion 106.00 (105.70 to 106.70): VN058697.D (-3013) (-)

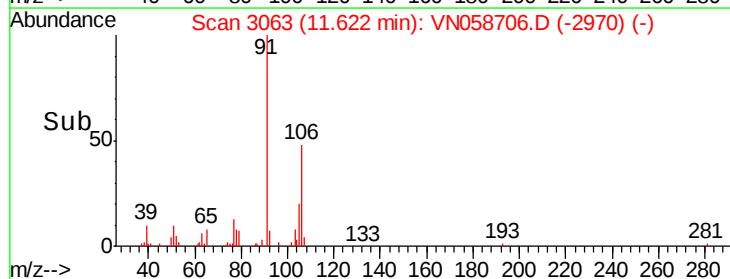
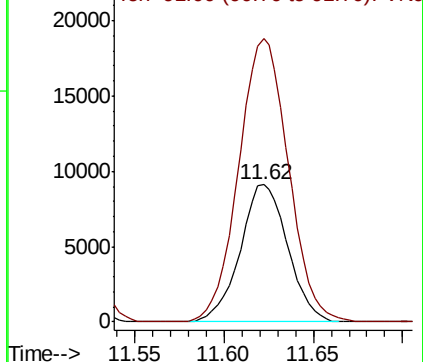


#68
m/p-Xylenes
Concen: 1.999 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 106 Resp: 16931
Ion Ratio Lower Upper
106 100
91 216.2 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)
Ion 91.00 (90.70 to 91.70): VN058697.D (-3047) (-)





#69

o-Xylene

Concen: 0.976 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

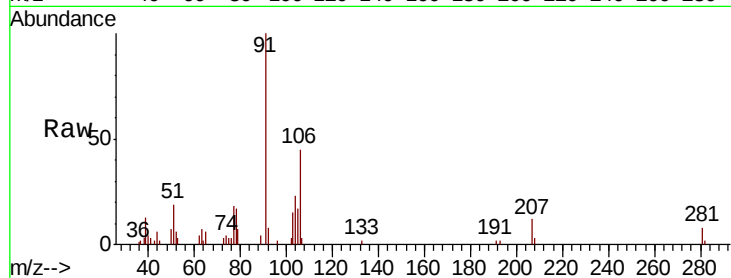
ClientSampled :

Tot Ion:106 Resp: 8003

Ion Ratio Lower Upper

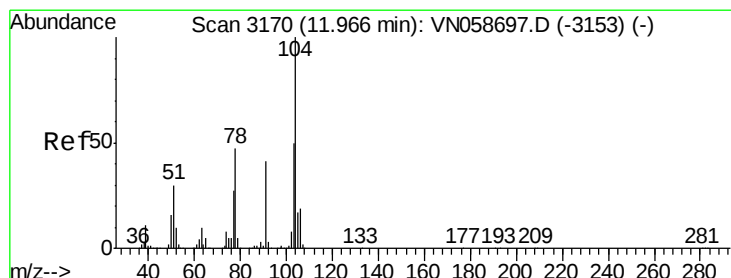
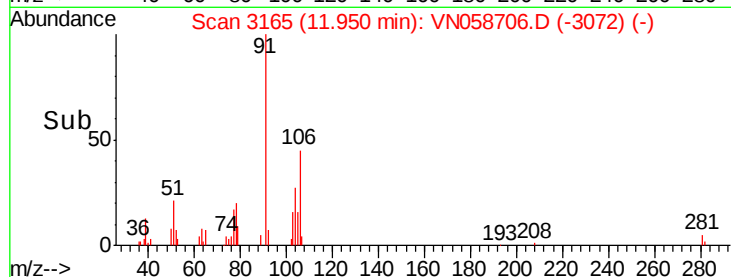
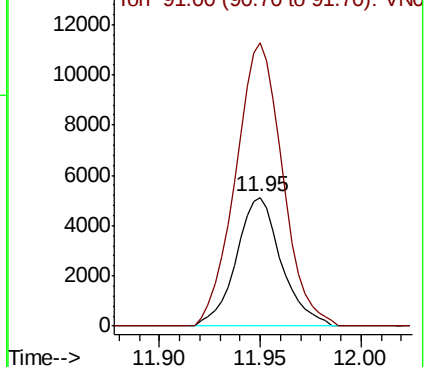
106 100

91 229.3 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.888 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

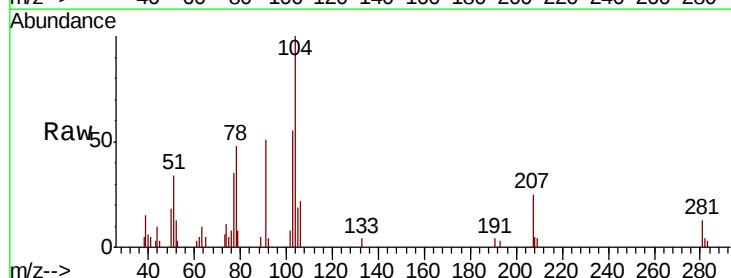
Tgt Ion:104 Resp: 11935

Ion Ratio Lower Upper

104 100

78 54.4 42.2 63.2

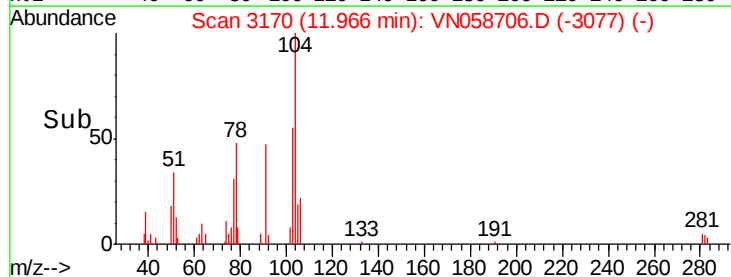
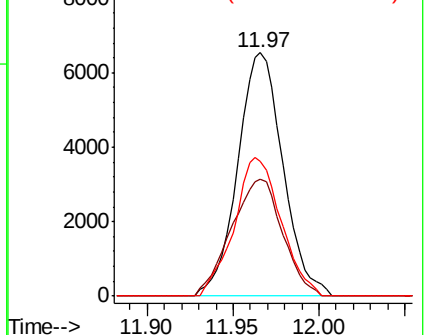
103 58.8 43.7 65.5

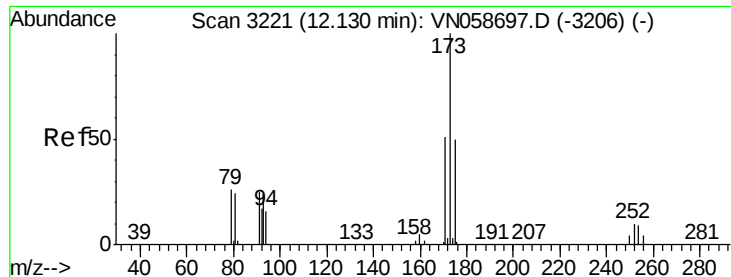


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 1.013 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

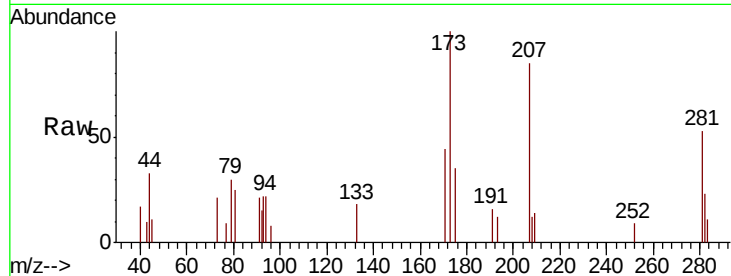
Tot Ion:173 Resp: 3477

Ion Ratio Lower Upper

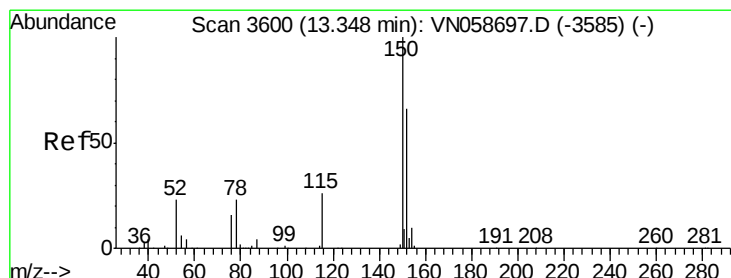
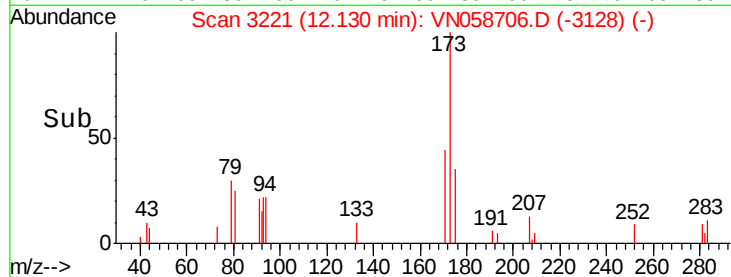
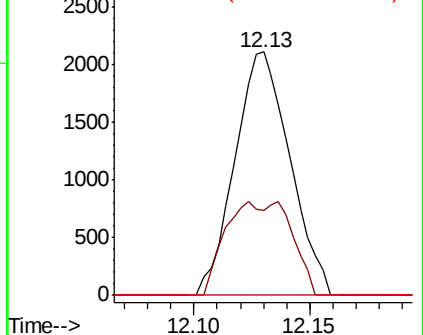
173 100

175 27.7 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: VN058706.D

Acq: 11 Oct 2019 16:20

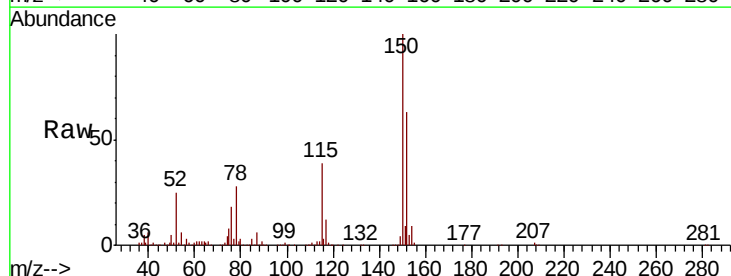
Tgt Ion:152 Resp: 268044

Ion Ratio Lower Upper

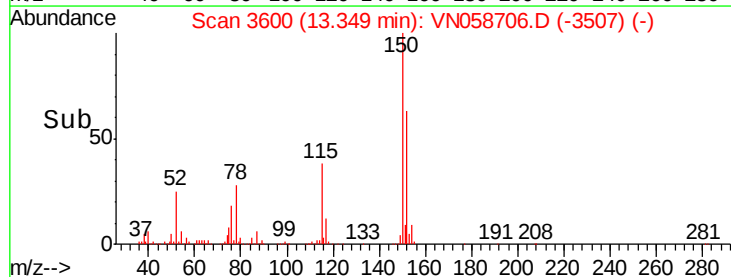
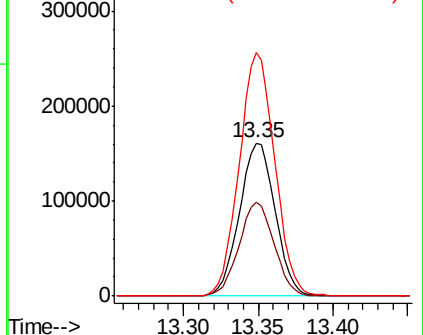
152 100

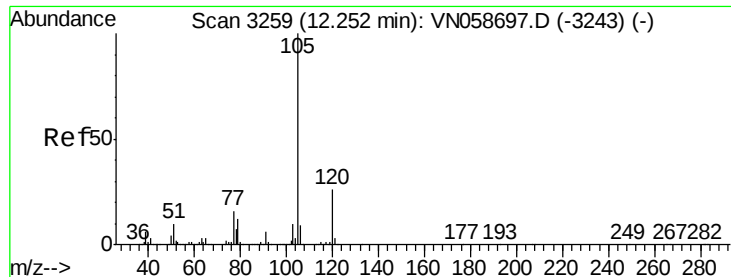
115 59.8 30.4 91.2

150 157.6 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: 1.108 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

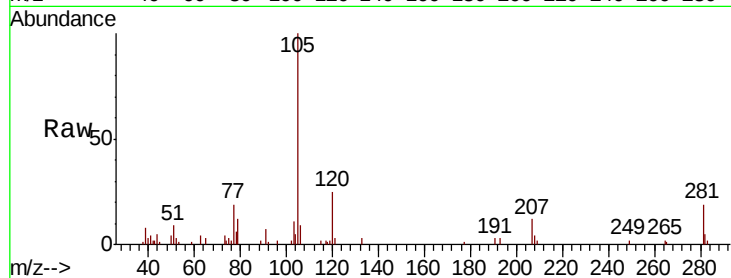
ClientSampled :

Tot Ion: 105 Resp: 21501

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

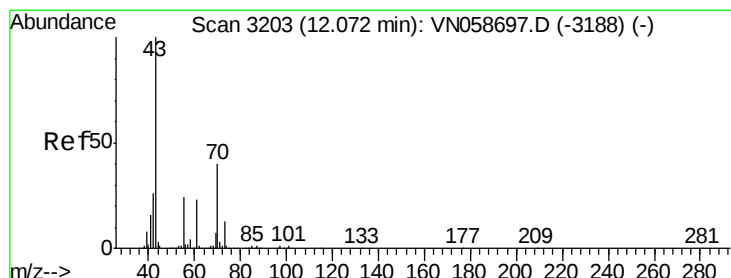
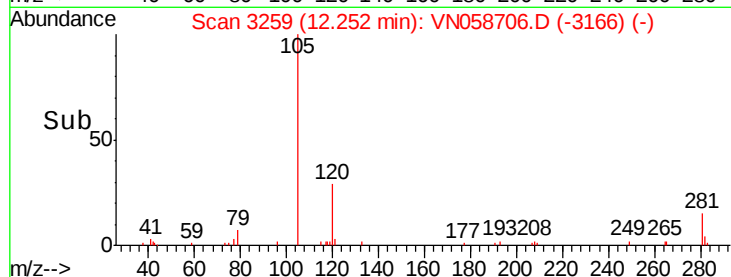
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 0.928 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Tgt Ion: 43 Resp: 8088

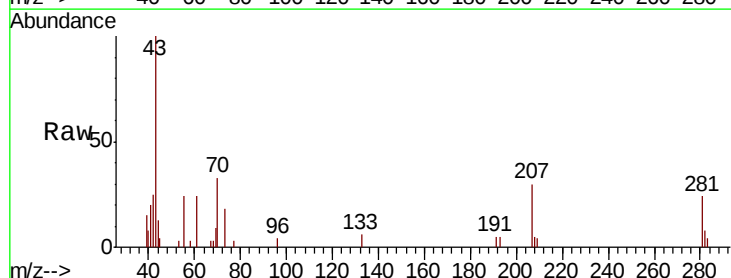
Ion Ratio Lower Upper

43 100

70 41.7 32.2 48.4

55 25.3 19.6 29.4

61 23.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

6000

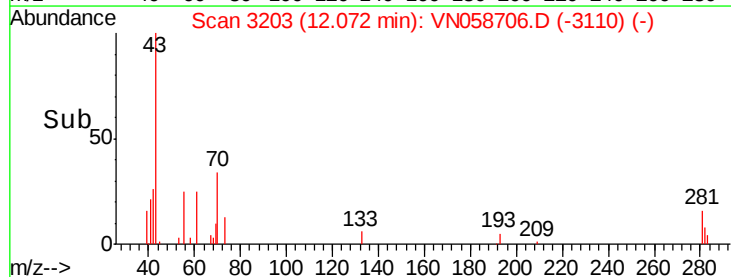
4000

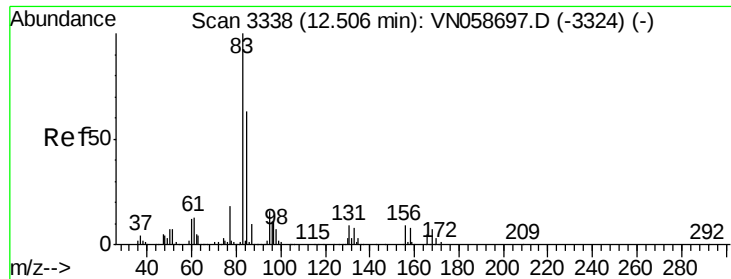
2000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 1.248 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

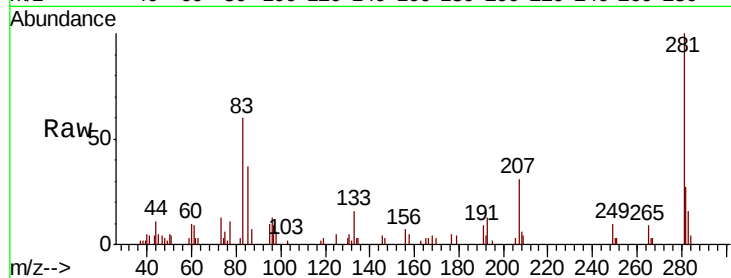
Tot Ion: 83 Resp: 7984

Ion Ratio Lower Upper

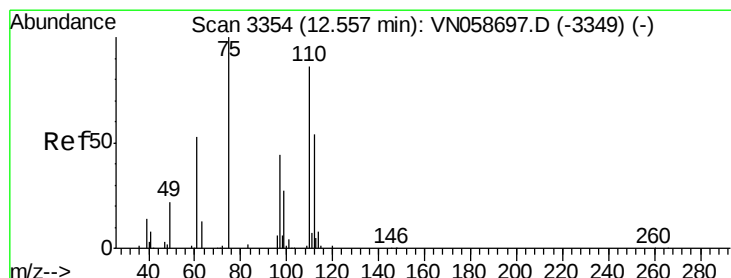
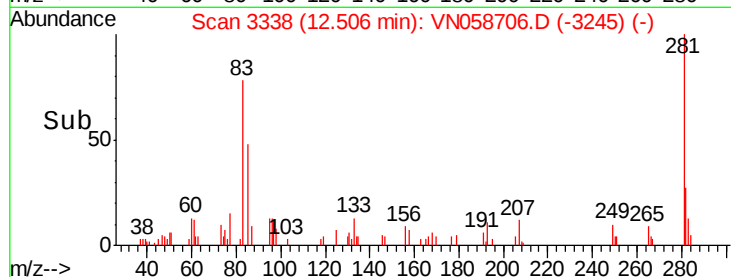
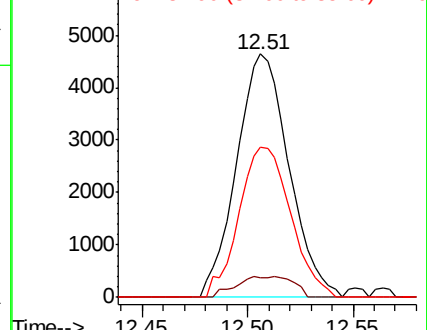
83 100

131 5.4 4.8 14.4

85 61.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 1.936 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058706.D

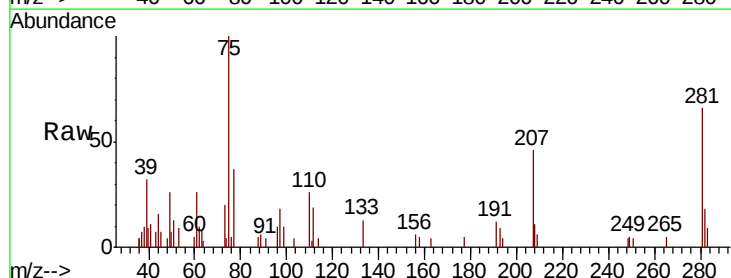
Acq: 11 Oct 2019 16:20

Tgt Ion: 75 Resp: 11383

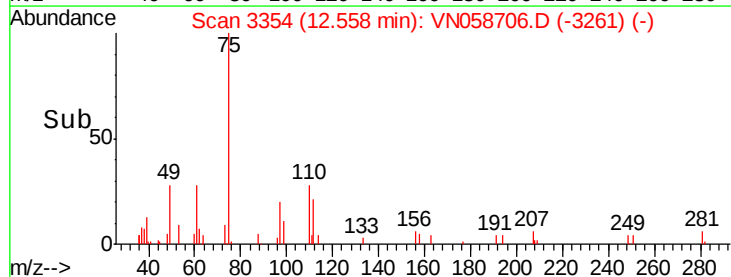
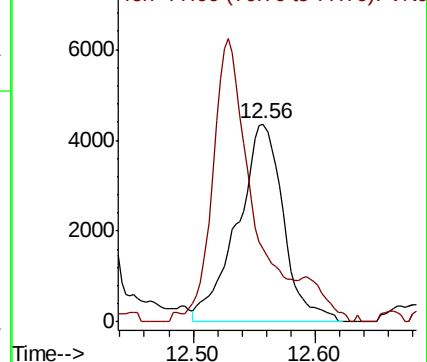
Ion Ratio Lower Upper

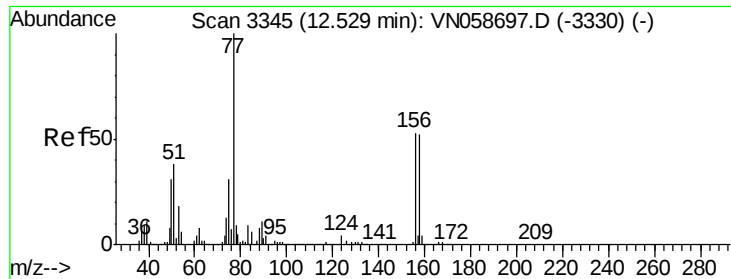
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

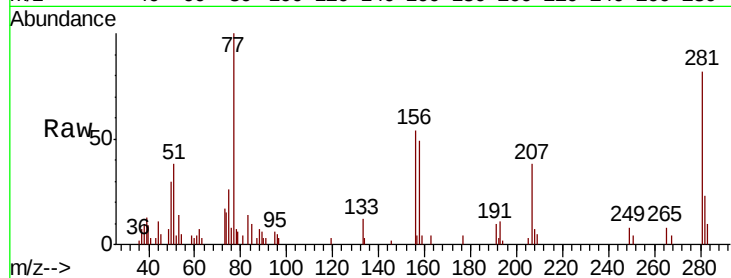




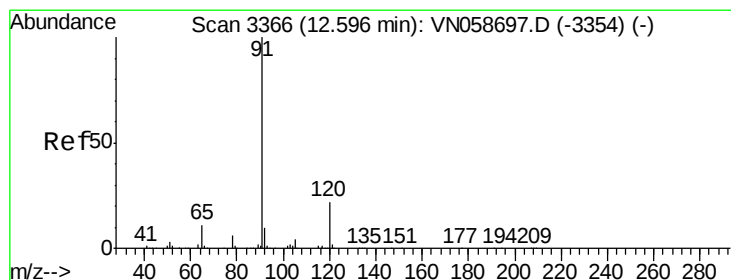
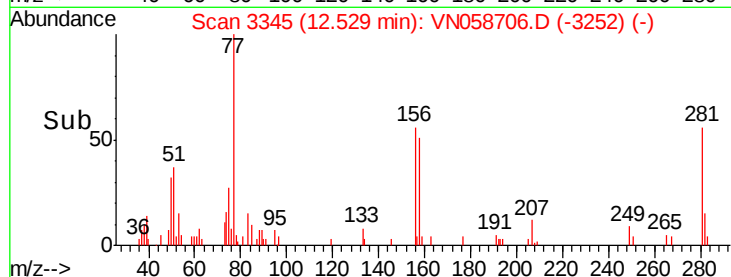
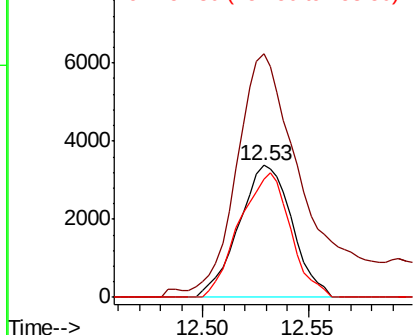
#77
Bromobenzene
Concen: 1.253 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:156 Resp: 5915
Ion Ratio Lower Upper
156 100
77 218.3 115.8 347.3
158 90.2 48.9 146.6

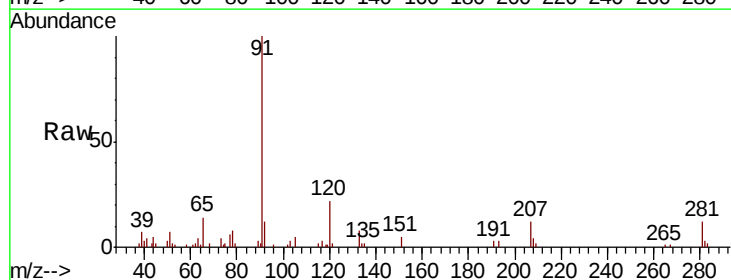


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

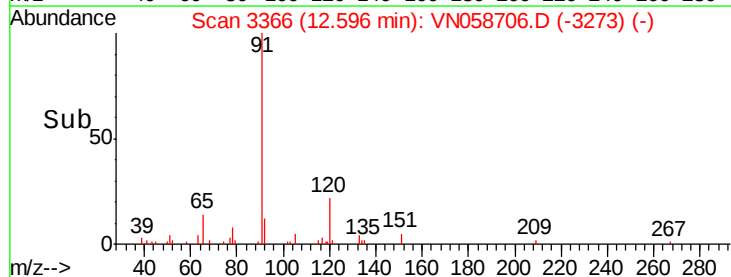
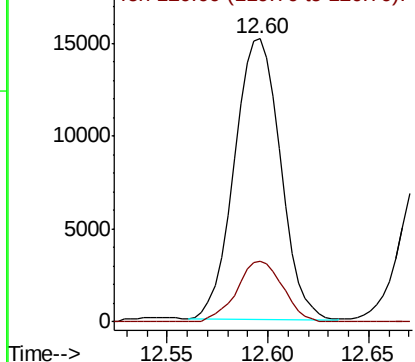


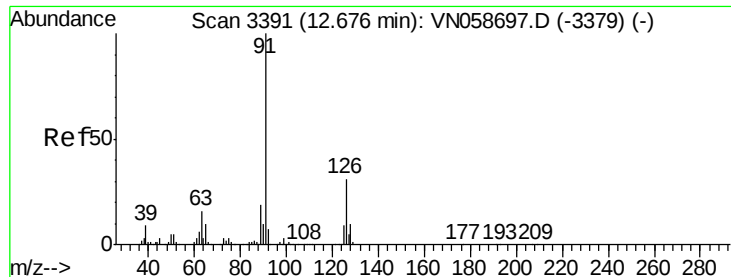
#78
n-propylbenzene
Concen: 1.070 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 91 Resp: 24211
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.062 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

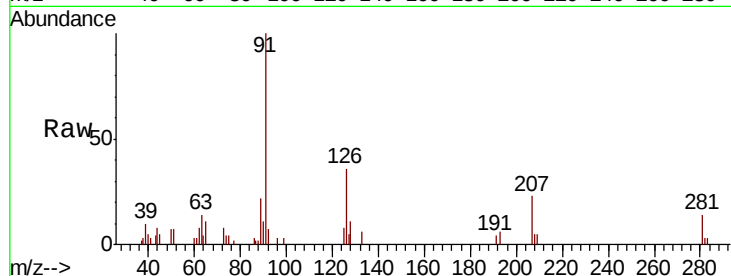
ClientSampled :

Tot Ion: 91 Resp: 14917

Ion Ratio Lower Upper

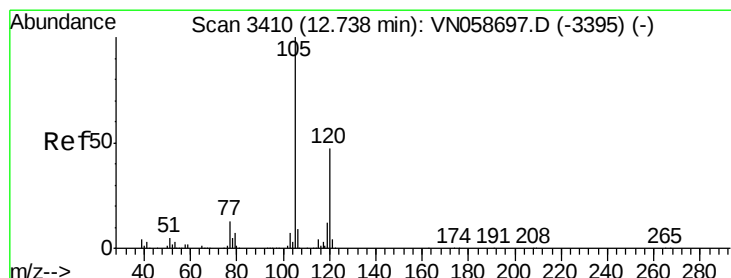
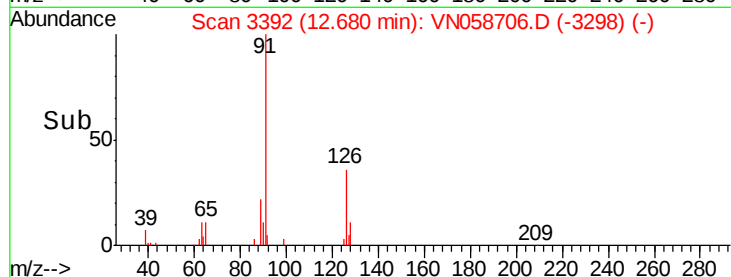
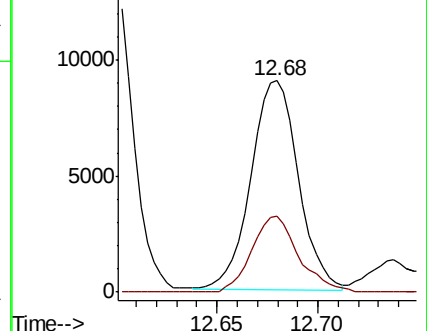
91 100

126 35.7 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.112 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058706.D

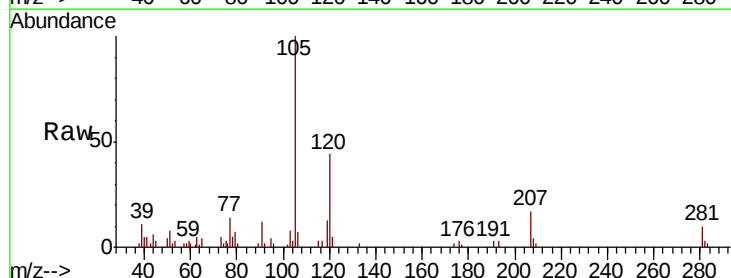
Acq: 11 Oct 2019 16:20

Tgt Ion: 105 Resp: 18436

Ion Ratio Lower Upper

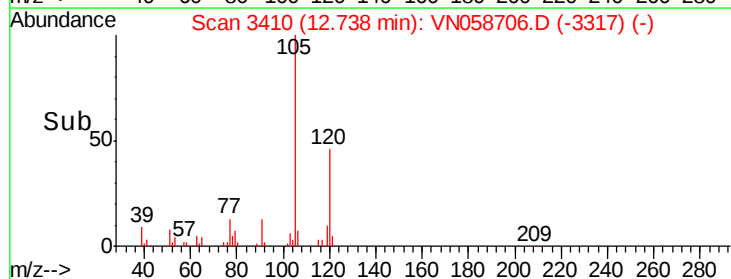
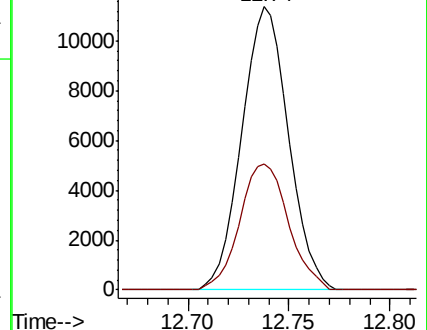
105 100

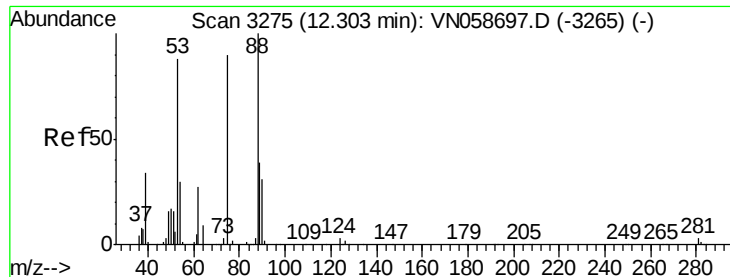
120 46.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

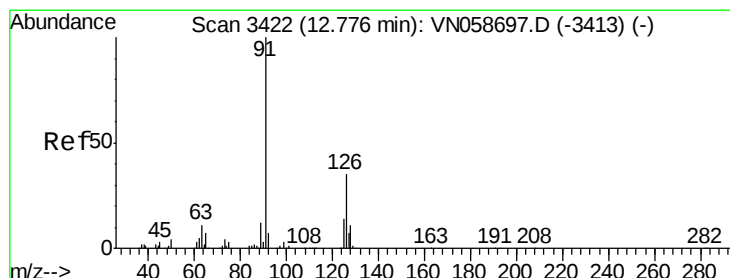
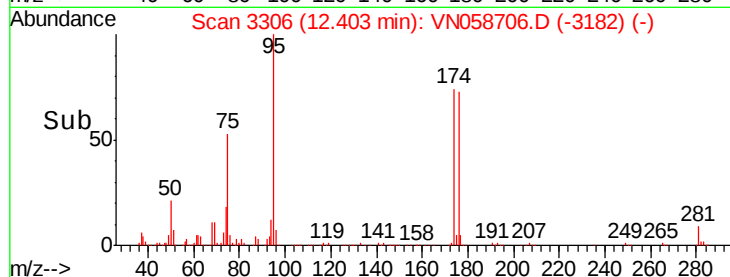
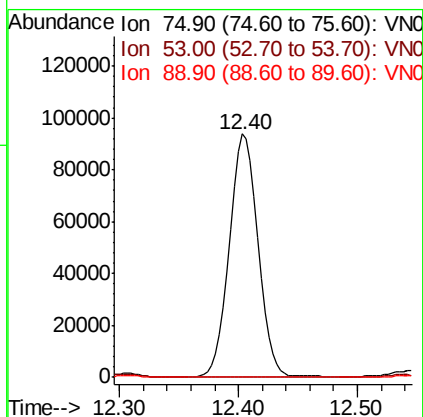
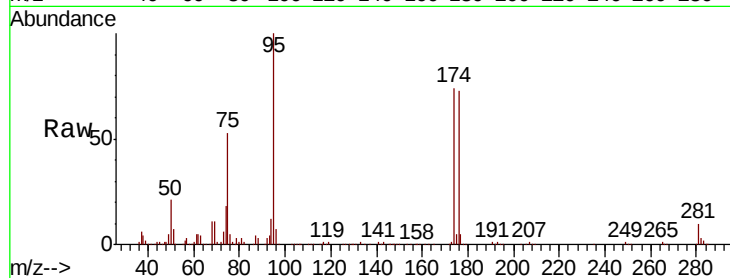




#81
trans-1,4-Dichloro-2-butene
Concen: 71.127 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

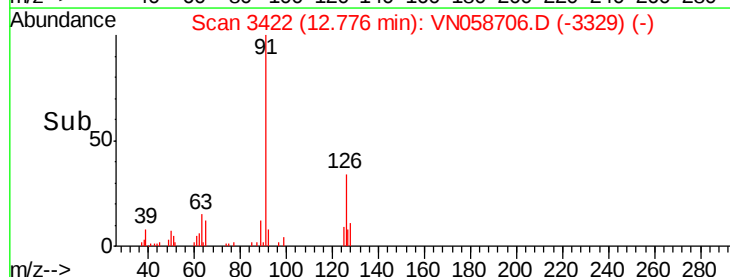
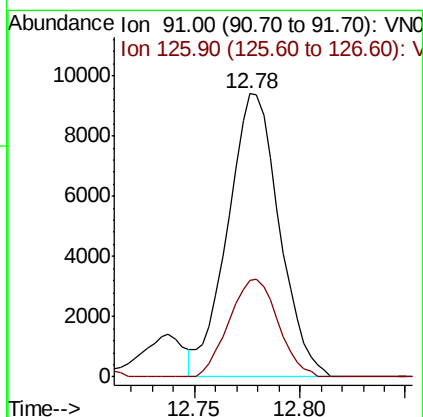
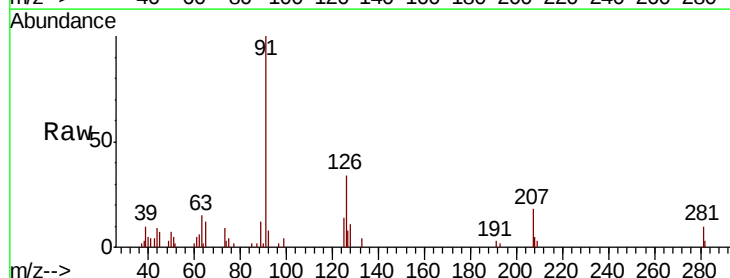
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 156138
Ion Ratio Lower Upper
75 100
53 0.0 78.4 117.6#
89 0.0 34.9 52.3#



#82
4-Chlorotoluene
Concen: 1.108 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058706.D
Acq: 11 Oct 2019 16:20

Tgt Ion: 91 Resp: 15961
Ion Ratio Lower Upper
91 100
126 32.8 15.9 47.6





#83

tert-Butylbenzene

Concen: 1.176 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

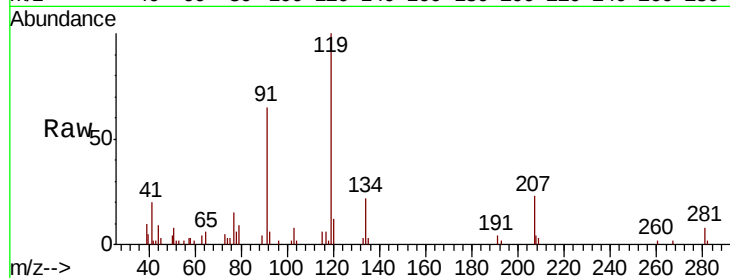
Tot Ion:119 Resp: 16699

Ion Ratio Lower Upper

119 100

91 63.0 33.8 101.3

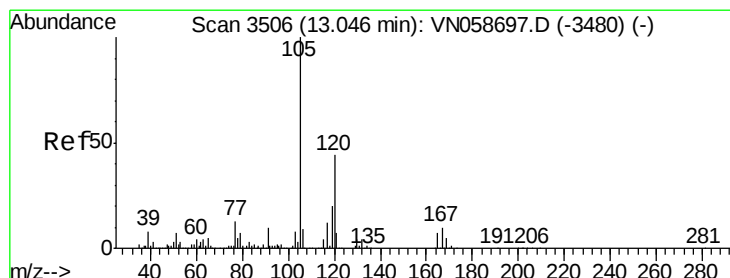
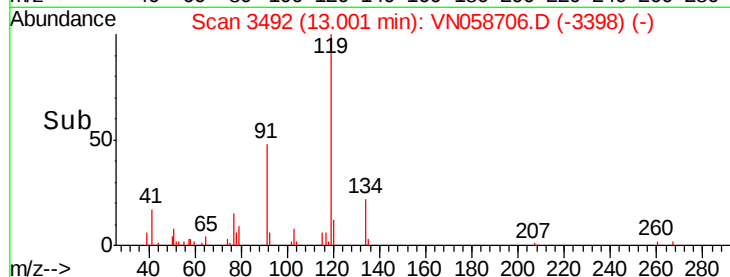
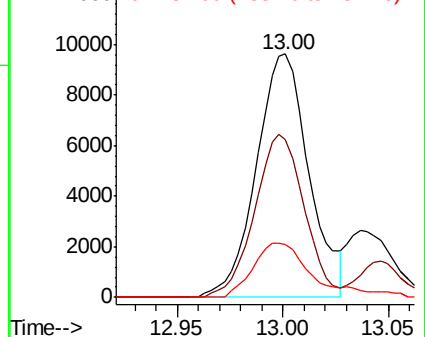
134 25.2 12.6 37.6



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: 1.006 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058706.D

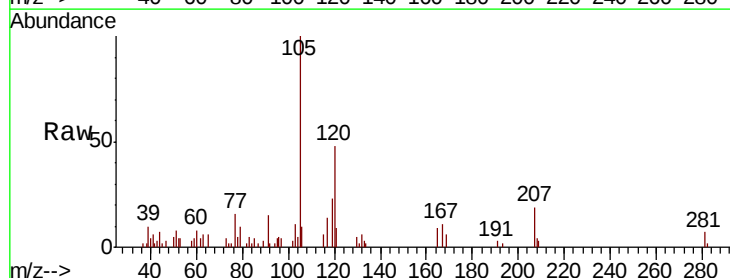
Acq: 11 Oct 2019 16:20

Tgt Ion:105 Resp: 16556

Ion Ratio Lower Upper

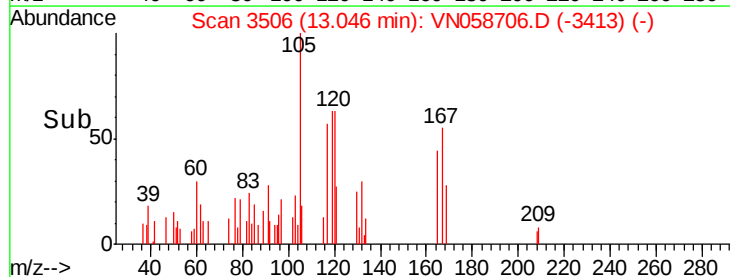
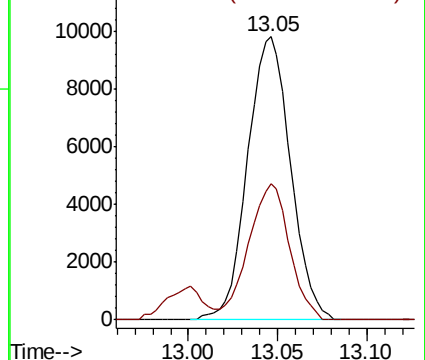
105 100

120 45.6 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: 1.042 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

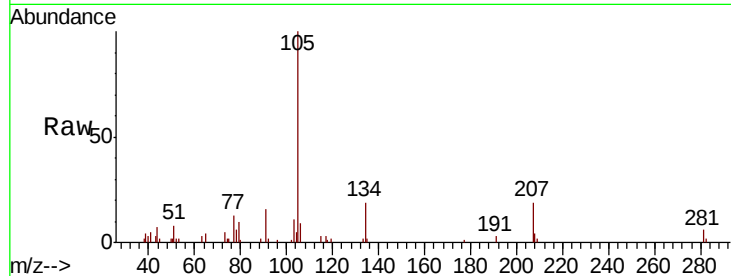
ClientSampled :

Tot Ion:105 Resp: 19498

Ion Ratio Lower Upper

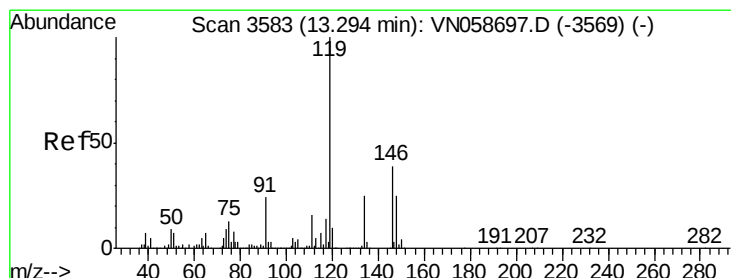
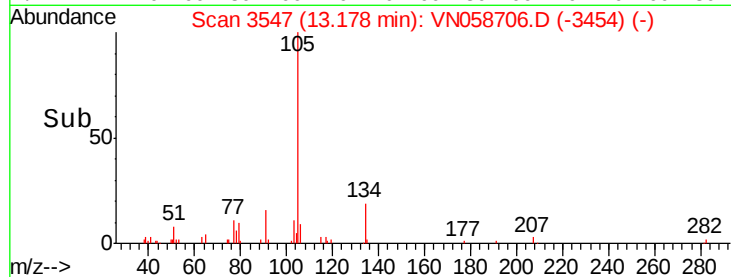
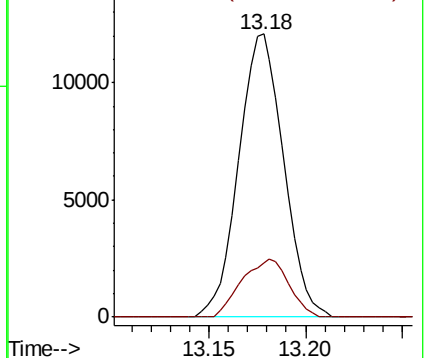
105 100

134 21.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.049 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

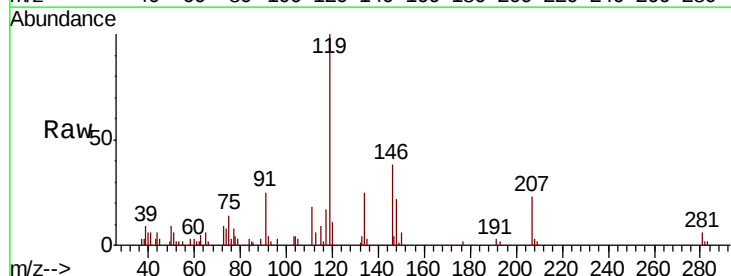
Tgt Ion:119 Resp: 17829

Ion Ratio Lower Upper

119 100

134 23.8 12.7 38.1

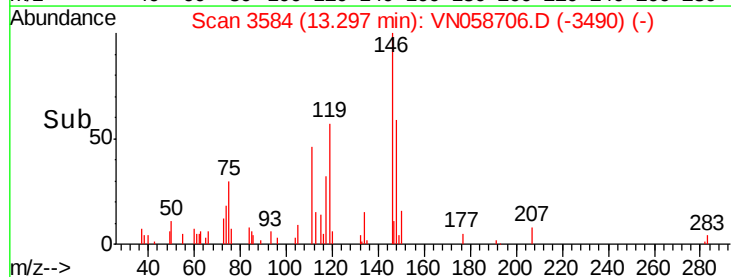
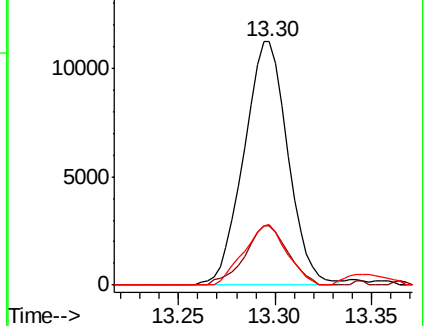
91 24.2 11.9 35.5

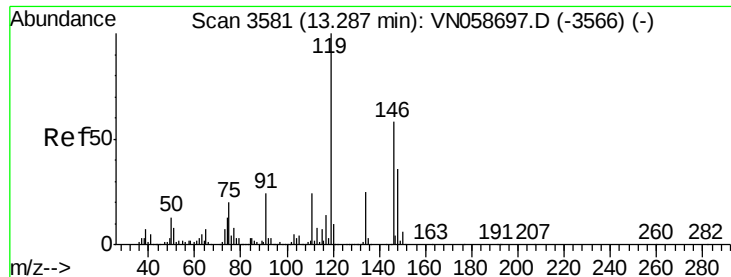


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.085 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

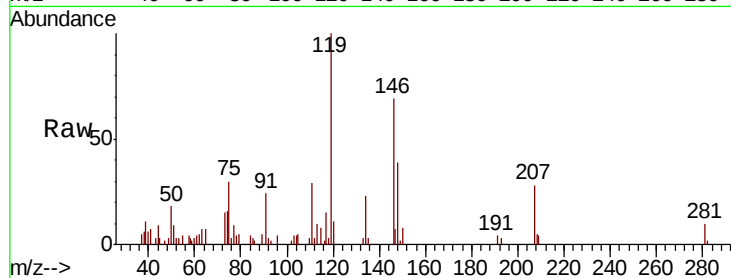
Tot Ion:146 Resp: 9444

Ion Ratio Lower Upper

146 100

111 42.9 20.5 61.6

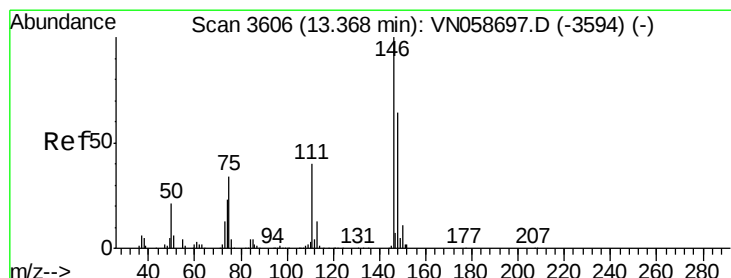
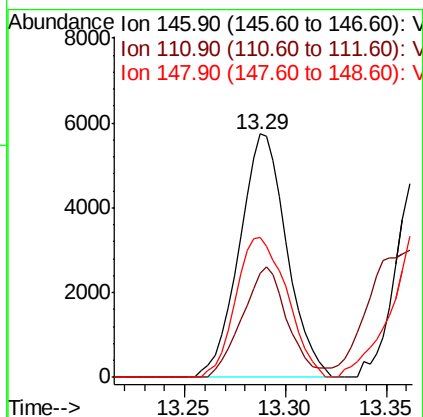
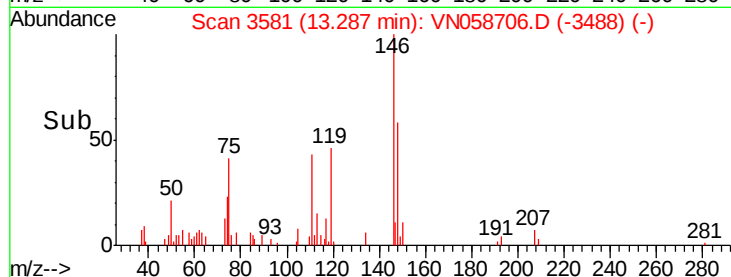
148 62.0 31.3 93.9



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: 1.067 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

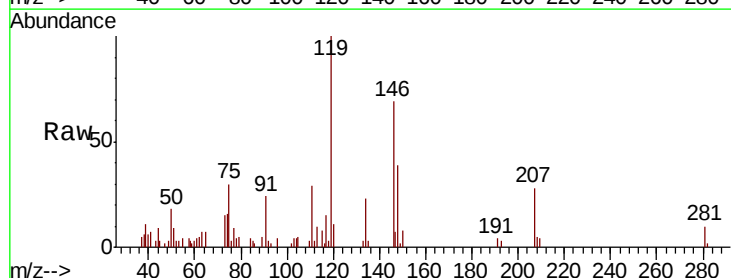
Tgt Ion:146 Resp: 9444

Ion Ratio Lower Upper

146 100

111 42.9 20.1 60.2

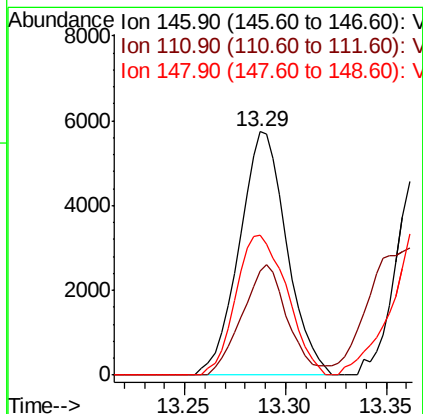
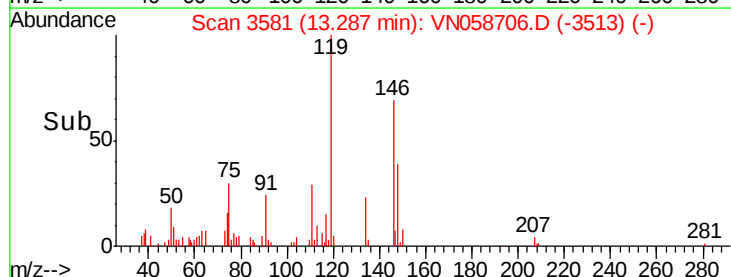
148 62.0 31.9 95.7

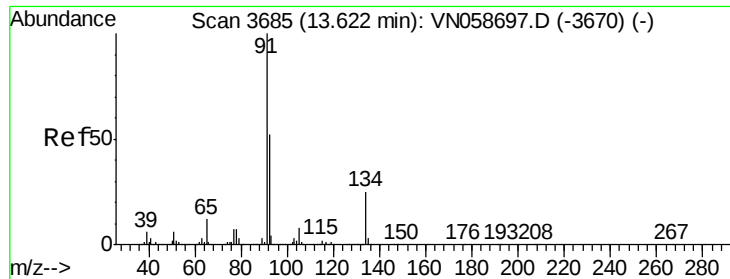


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.022 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

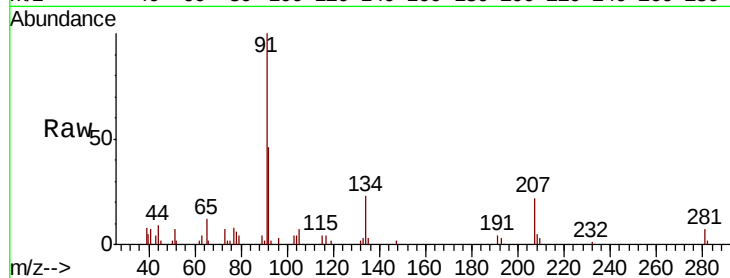
Tot Ion: 91 Resp: 16068

Ion Ratio Lower Upper

91 100

92 47.8 26.0 78.0

134 23.5 12.2 36.6

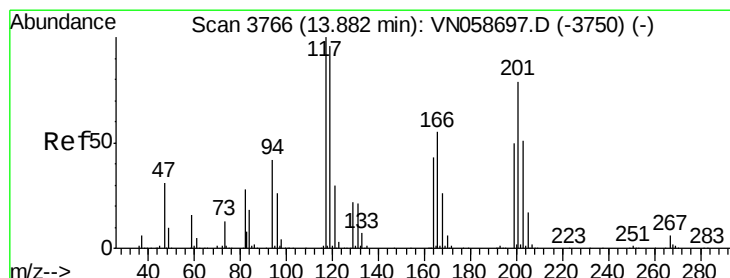
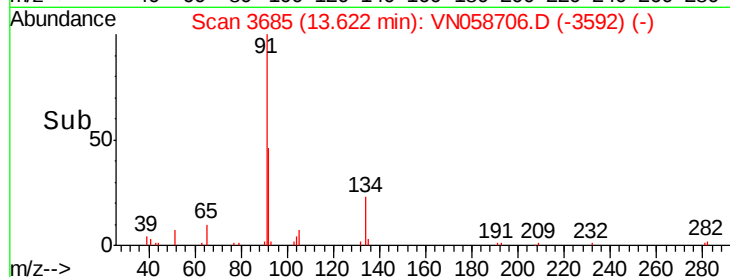


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->



#90

Hexachloroethane

Concen: 1.042 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058706.D

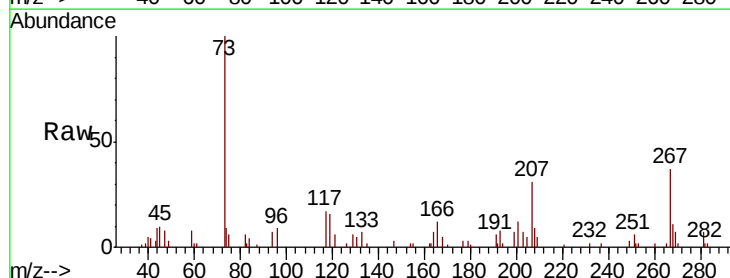
Acq: 11 Oct 2019 16:20

Tgt Ion: 117 Resp: 3170

Ion Ratio Lower Upper

117 100

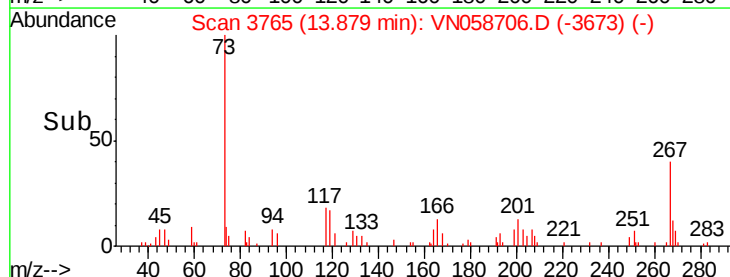
201 70.6 39.6 118.7

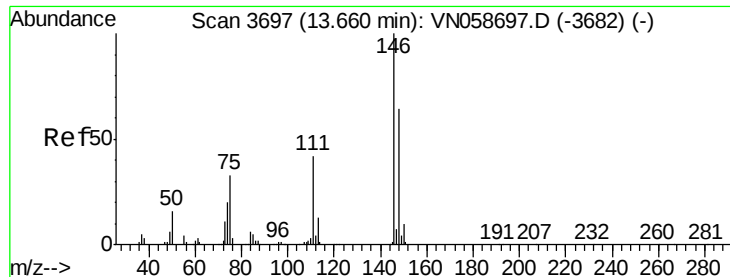


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 1.158 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058706.D

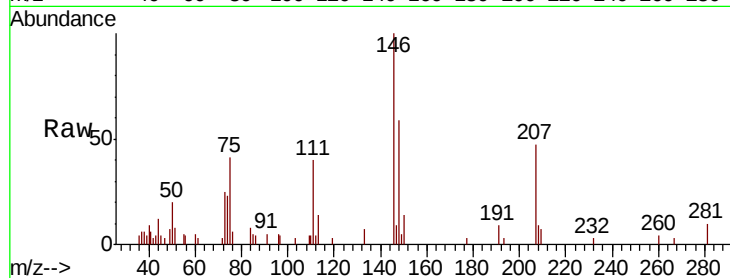
Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	9828
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	61.0	31.8	95.3

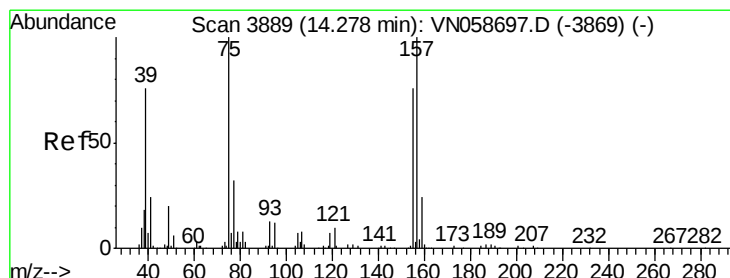
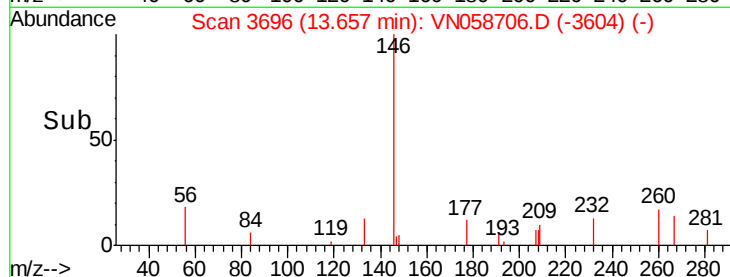
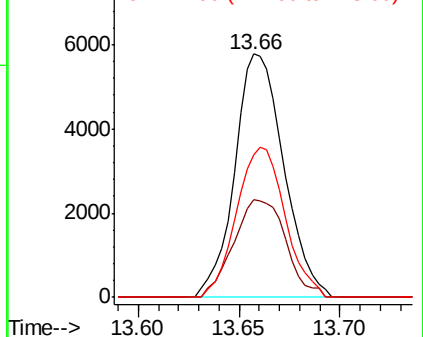


Abundance

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: 1.329 ug/l

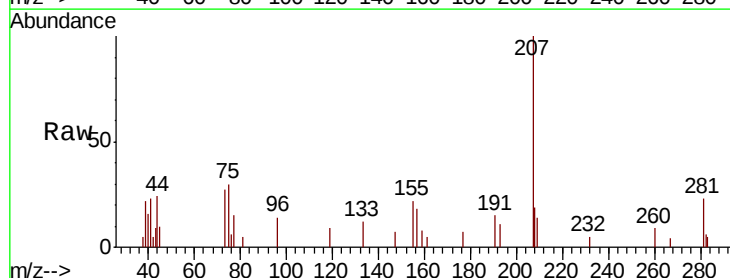
RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Tgt Ion:	75	Resp:	1986
Ion	Ratio	Lower	Upper
75	100		
155	62.2	37.9	113.6
157	67.9	49.4	148.2

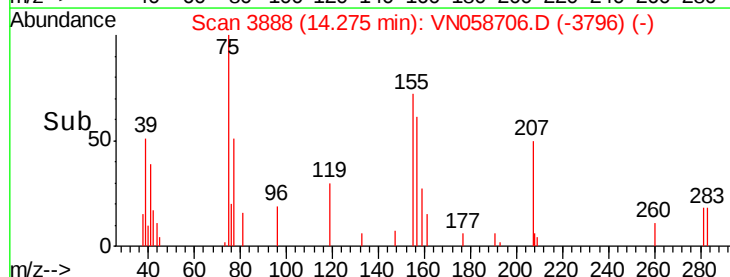
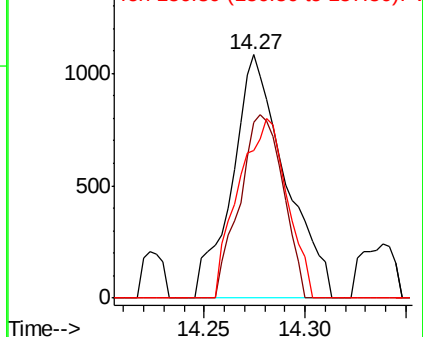


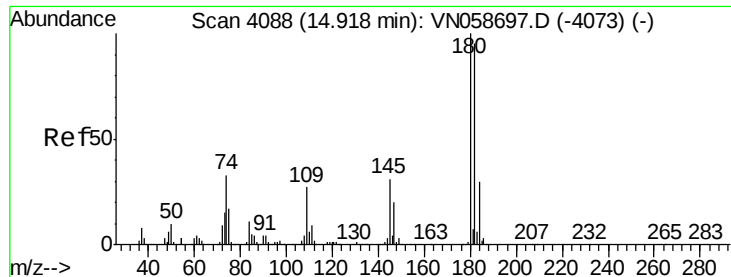
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

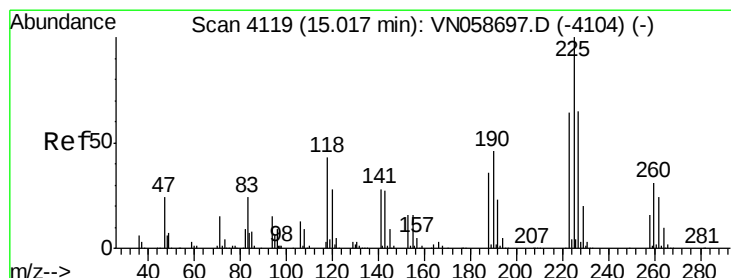
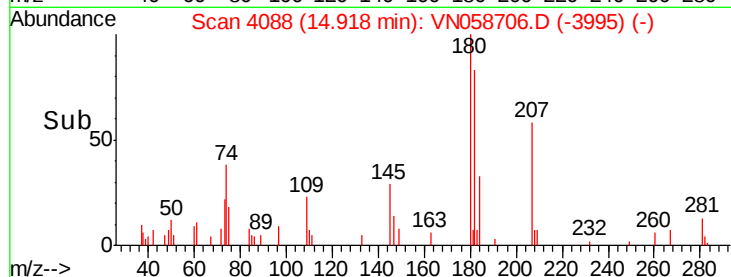
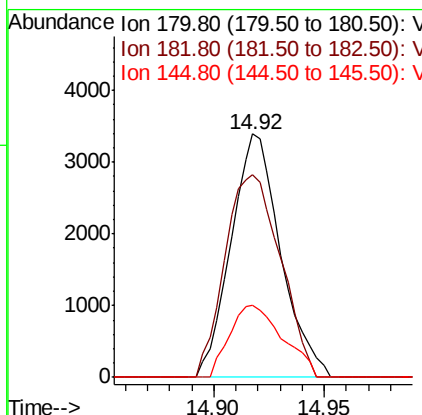
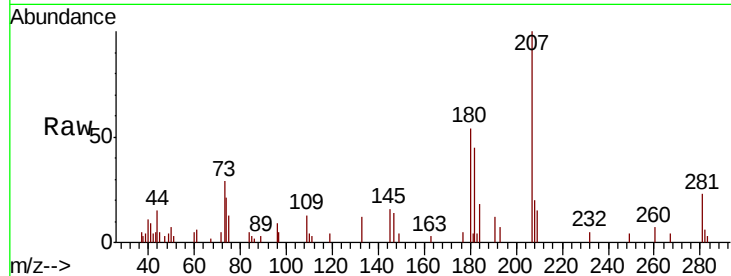




#93
 1,2,4-Trichlorobenzene
 Concen: 1.024 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

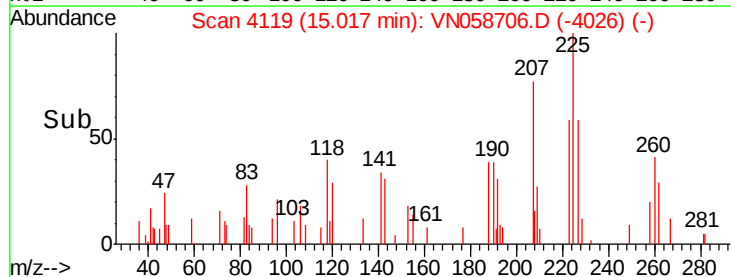
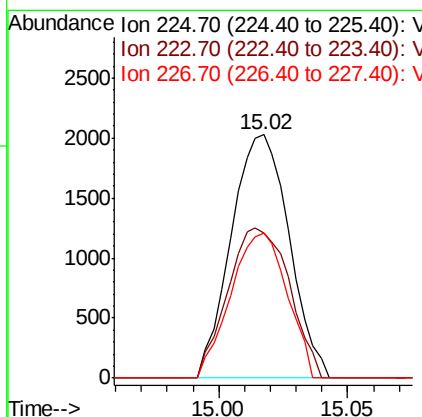
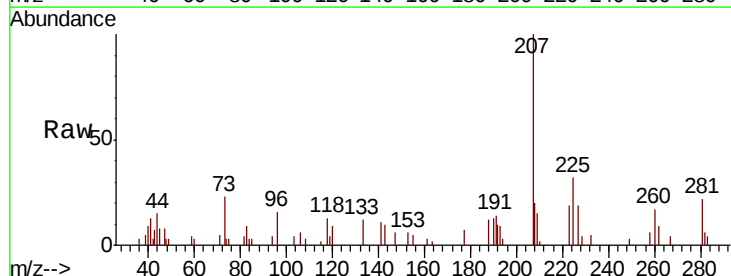
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 5303
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.4 142.2
 145 31.5 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.164 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058706.D
 Acq: 11 Oct 2019 16:20

Tgt Ion:225 Resp: 3173
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.3 96.8
 227 57.6 32.4 97.0





#95

Naphthalene

Concen: 1.027 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

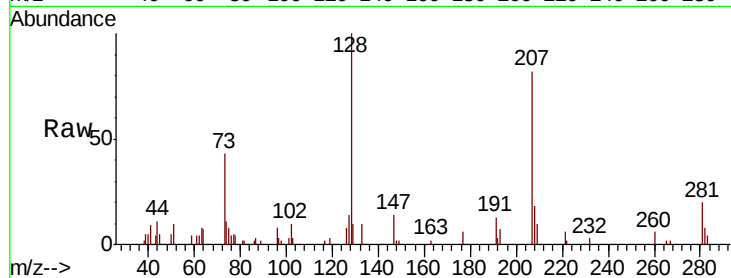
Tot Ion:128 Resp: 15279

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 9.9 8.5 12.7

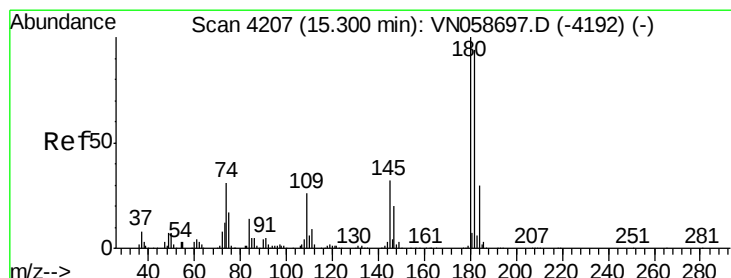
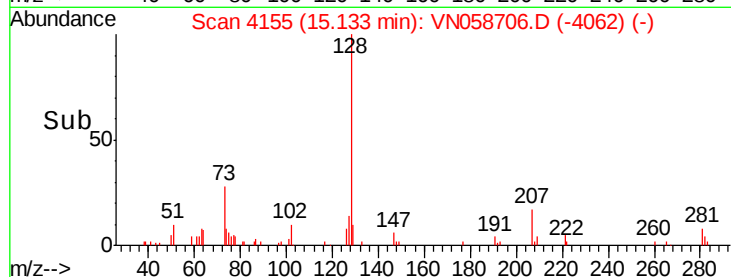
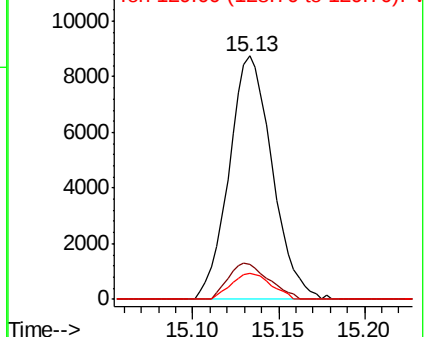


Abundance

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: 1.070 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058706.D

Acq: 11 Oct 2019 16:20

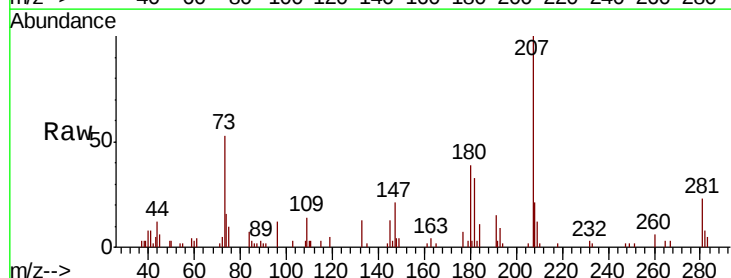
Tgt Ion:180 Resp: 5406

Ion Ratio Lower Upper

180 100

182 86.5 47.3 142.0

145 34.1 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

