

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058708.D
 Acq On : 11 Oct 2019 17:04
 Operator : JC/SP
 Sample : VN1013WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:11:58 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	470046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	763973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	696757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	340666	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.57	113	244634	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.08	98	964604	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.41	95	357317	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	120548	20.592	ug/l	100
3) Chloromethane	2.04	50	136457	19.602	ug/l	99
4) Vinyl Chloride	2.17	62	138072	19.914	ug/l	100
5) Bromomethane	2.55	94	83031	19.686	ug/l	100
6) Chloroethane	2.68	64	84769	19.822	ug/l	97
7) Trichlorofluoromethane	3.00	101	168756	20.338	ug/l	99
8) Diethyl Ether	3.39	74	61084	19.924	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94740	20.024	ug/l	98
10) Methyl Iodide	3.93	142	126111	19.533	ug/l	99
11) Tert butyl alcohol	4.76	59	110002	103.217	ug/l	98
12) 1,1-Dichloroethene	3.72	96	90526	20.054	ug/l	96
13) Acrolein	3.58	56	79703	92.989	ug/l	100
14) Allyl chloride	4.30	41	179489	19.703	ug/l	100
15) Acrylonitrile	4.96	53	272085	101.237	ug/l	99
16) Acetone	3.80	43	290837	106.756	ug/l	100
17) Carbon Disulfide	4.03	76	278217	19.281	ug/l	99
18) Methyl Acetate	4.30	43	140760	20.369	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	331743	20.581	ug/l	97
20) Methylene Chloride	4.53	84	107525	18.885	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	101295	20.061	ug/l	97
22) Diisopropyl ether	5.93	45	361494	20.409	ug/l	98
23) Vinyl Acetate	5.87	43	1533110	107.269	ug/l	100
24) 1,1-Dichloroethane	5.82	63	204279	20.250	ug/l	100
25) 2-Butanone	6.81	43	406157	103.145	ug/l	99
26) 2,2-Dichloropropane	6.80	77	181021	19.658	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	115355	19.591	ug/l	99
28) Bromochloromethane	7.18	49	73363	20.904	ug/l	99
29) Tetrahydrofuran	7.19	42	259553	101.998	ug/l	99
30) Chloroform	7.35	83	196972	19.434	ug/l	99
31) Cyclohexane	7.64	56	185960	19.266	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	174780	20.221	ug/l	100
36) 1,1-Dichloropropene	7.78	75	150221	19.448	ug/l	99
37) Ethyl Acetate	6.91	43	168520	21.572	ug/l	98
38) Carbon Tetrachloride	7.76	117	151233	20.089	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174428	19.461	ug/l	98
40) Benzene	8.03	78	439954	19.832	ug/l	100
41) Methacrylonitrile	7.19	41	238713	65.280	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	171578	20.132	ug/l	99
43) Isopropyl Acetate	8.15	43	267487	20.100	ug/l #	90
44) Trichloroethene	8.82	130	108700	19.731	ug/l	99
45) 1,2-Dichloropropane	9.11	63	118690	19.986	ug/l	94
46) Dibromomethane	9.20	93	76550	20.331	ug/l	100
47) Bromodichloromethane	9.39	83	155018	20.218	ug/l	99
48) Methyl methacrylate	9.19	41	122909	20.375	ug/l	98
49) 1,4-Dioxane	9.19	88	39315	421.279	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	817577	109.392	ug/l	99
52) Toluene	10.15	92	272259	20.066	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	174816	19.879	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	190535	20.407	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	107235	19.310	ug/l	99
56) Ethyl methacrylate	10.43	69	165890	20.447	ug/l	99
57) 1,3-Dichloropropane	10.71	76	192447	20.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	425685	108.874	ug/l	100
59) 2-Hexanone	10.75	43	618099	107.015	ug/l	100
60) Dibromochloromethane	10.90	129	115316	20.129	ug/l	100
61) 1,2-Dibromoethane	11.00	107	112084	20.146	ug/l	98
64) Tetrachloroethene	10.63	164	96015	19.691	ug/l	95
65) Chlorobenzene	11.43	112	282231	19.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	105883	20.237	ug/l	99
67) Ethyl Benzene	11.51	91	523884	20.770	ug/l	100
68) m/p-Xylenes	11.62	106	385797	40.758	ug/l	98
69) o-Xylene	11.95	106	185207	20.223	ug/l	98
70) Styrene	11.97	104	296733	19.769	ug/l	99
71) Bromoform	12.13	173	78184	20.386	ug/l #	100
73) Isopropylbenzene	12.25	105	505679	20.857	ug/l	100
74) N-amyl acetate	12.07	43	226174	20.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	164722	20.623	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	219856	29.936	ug/l #	100
77) Bromobenzene	12.53	156	119158	20.205	ug/l	99
78) n-propylbenzene	12.59	91	593800	21.018	ug/l	99
79) 2-Chlorotoluene	12.68	91	347440	19.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	429791	20.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55890	20.385	ug/l	99
82) 4-Chlorotoluene	12.78	91	362132	20.125	ug/l	99
83) tert-Butylbenzene	13.00	119	360544	20.332	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	422232	20.548	ug/l	99
85) sec-Butylbenzene	13.18	105	488512	20.907	ug/l	100
86) p-Isopropyltoluene	13.29	119	440837	20.759	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	211387	19.436	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	211972	19.169	ug/l	97
89) n-Butylbenzene	13.62	91	389989	19.861	ug/l	100
90) Hexachloroethane	13.88	117	77346	20.355	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	212636	20.060	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	36943	19.798	ug/l	96

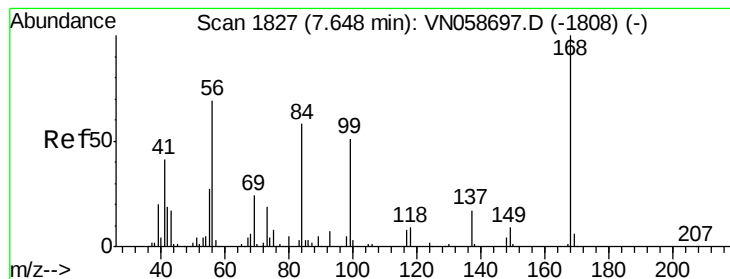
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	128995	19.949	ug/l	97
94) Hexachlorobutadiene	15.01	225	68218	20.034	ug/l	98
95) Naphthalene	15.13	128	360952	19.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	120905	19.152	ug/l	97

(#) = 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: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

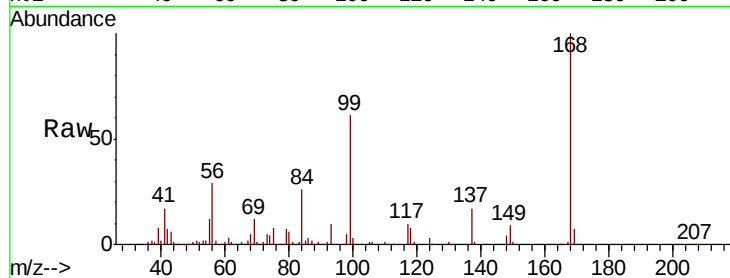
ClientSampled :

Tot Ion:168 Resp: 470046

Ion Ratio Lower Upper

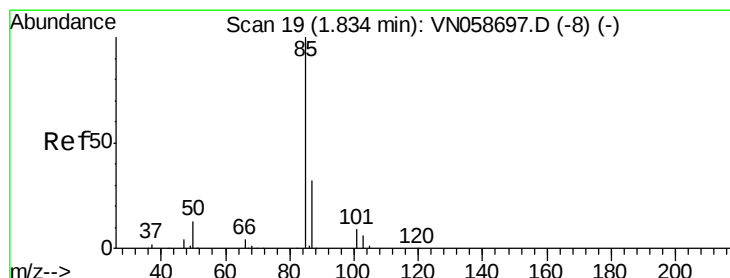
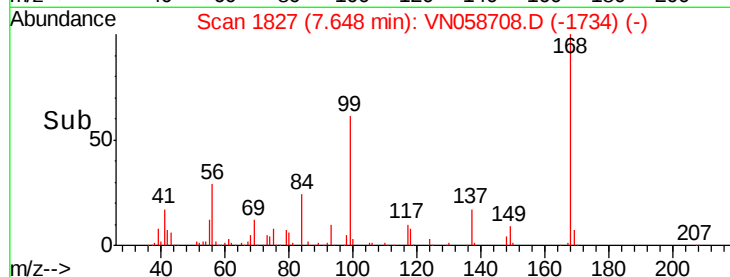
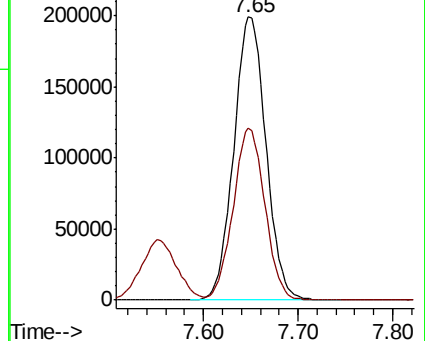
168 100

99 60.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.592 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058708.D

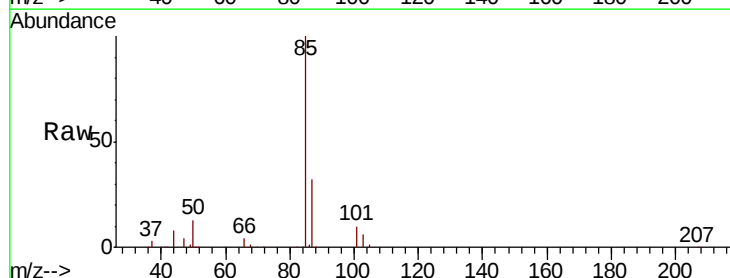
Acq: 11 Oct 2019 17:04

Tgt Ion: 85 Resp: 120548

Ion Ratio Lower Upper

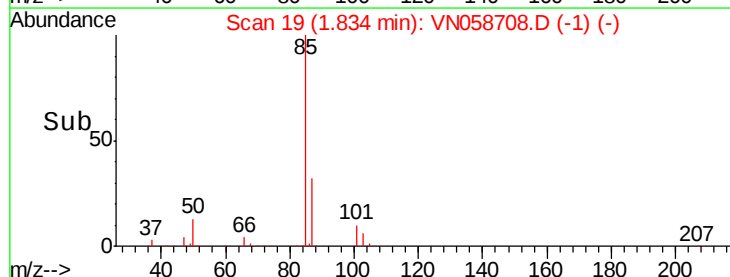
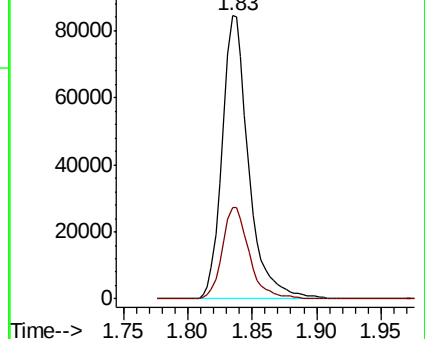
85 100

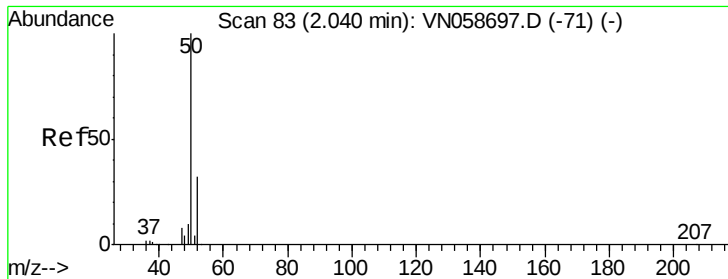
87 32.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.602 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

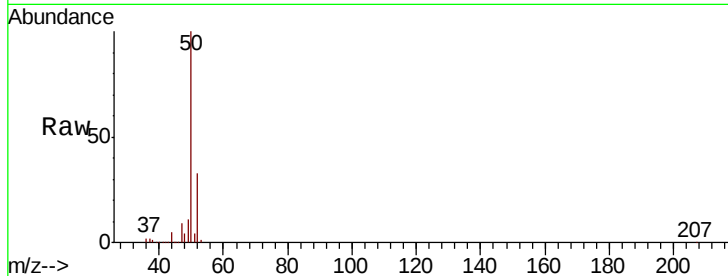
ClientSampled :

Tot Ion: 50 Resp: 136457

Ion Ratio Lower Upper

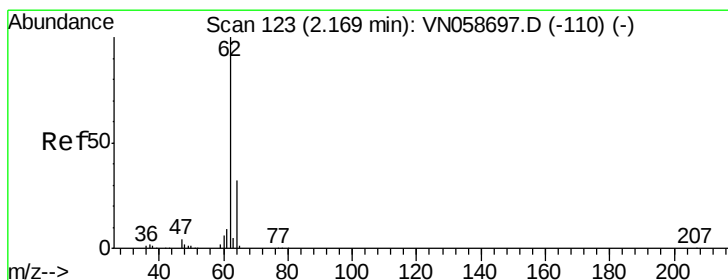
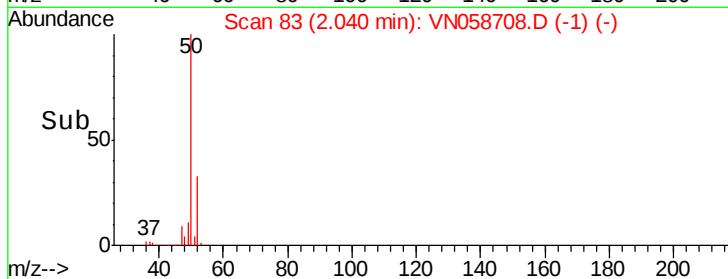
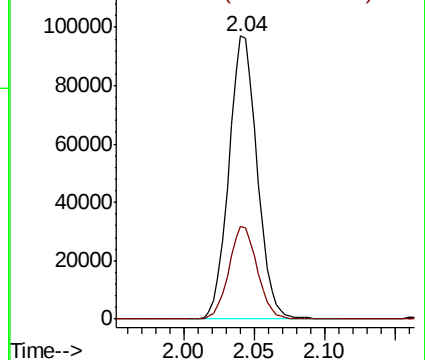
50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.914 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058708.D

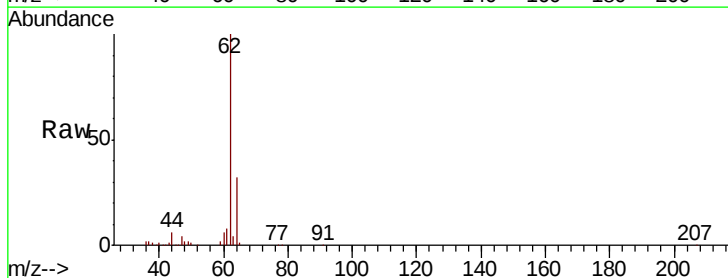
Acq: 11 Oct 2019 17:04

Tgt Ion: 62 Resp: 138072

Ion Ratio Lower Upper

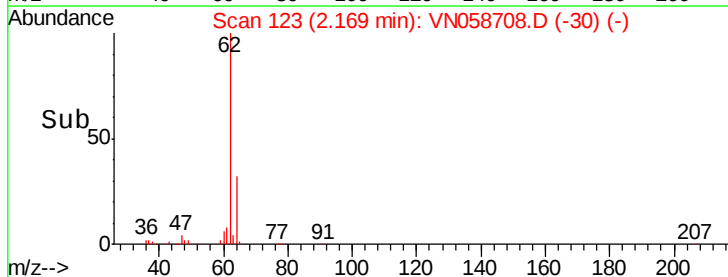
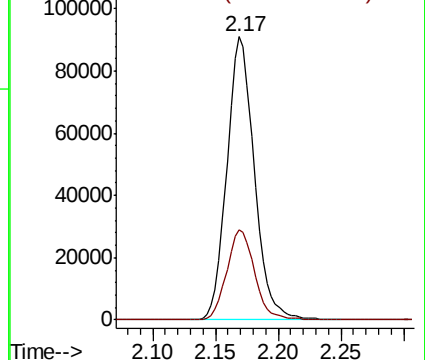
62 100

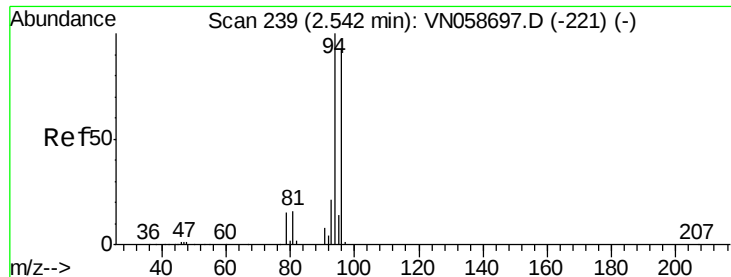
64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.686 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

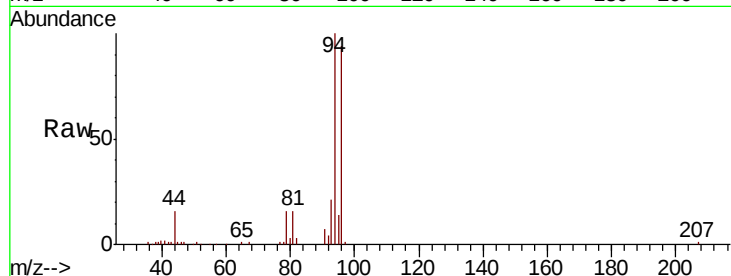
ClientSampleId :

Tot Ion: 94 Resp: 83031

Ion Ratio Lower Upper

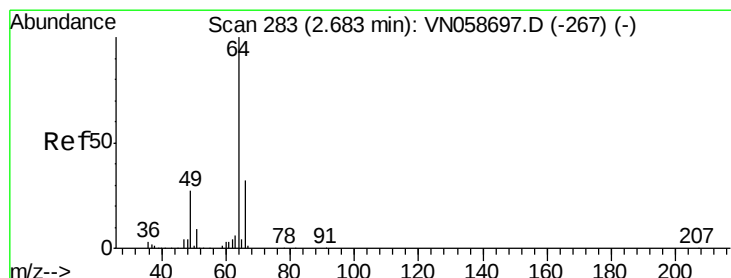
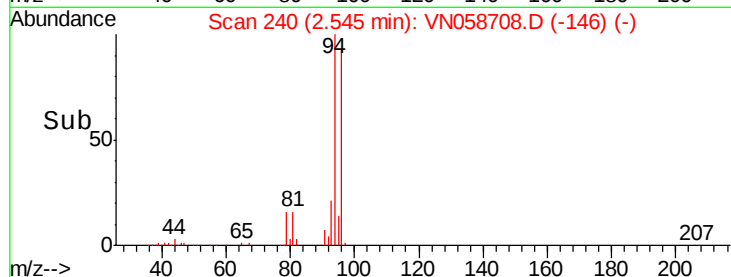
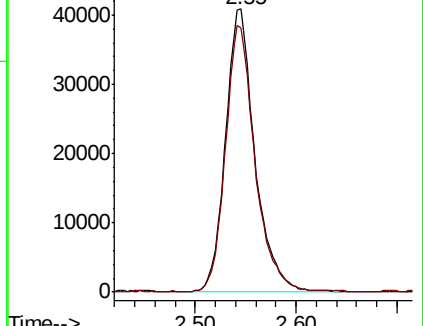
94 100

96 93.5 74.5 111.7



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

Ion 95.90 (95.60 to 96.60): VN058697.D (-221) (-)



#6

Chloroethane

Concen: 19.822 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058708.D

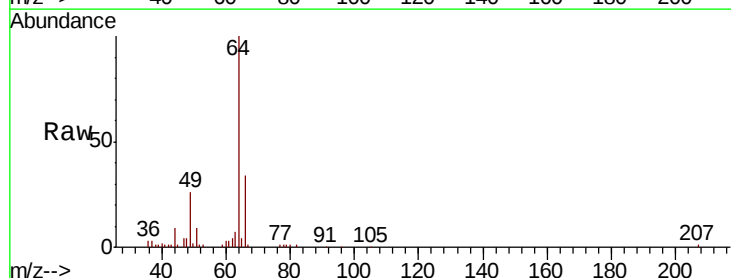
Acq: 11 Oct 2019 17:04

Tgt Ion: 64 Resp: 84769

Ion Ratio Lower Upper

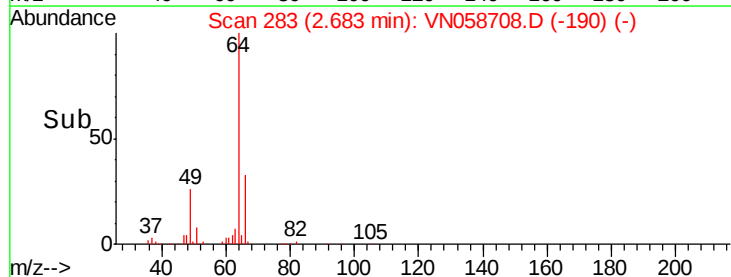
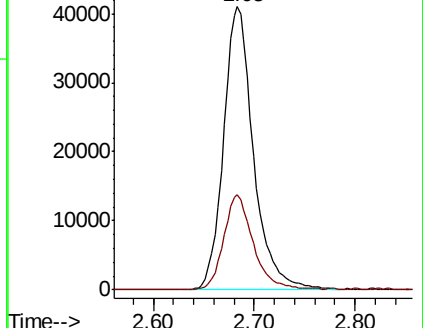
64 100

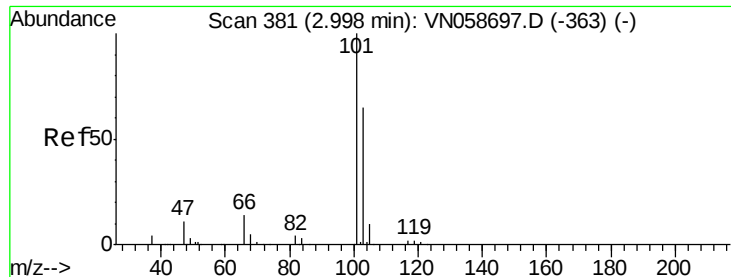
66 33.7 25.4 38.2



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

Ion 65.90 (65.60 to 66.60): VN058697.D (-267) (-)



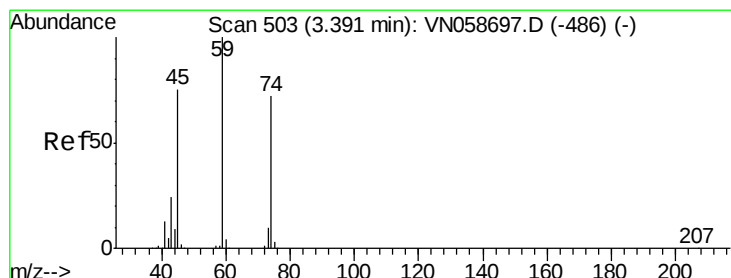
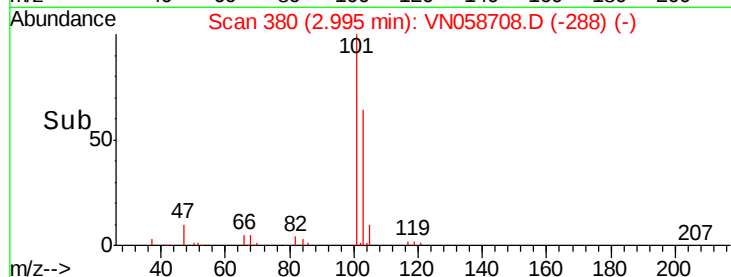
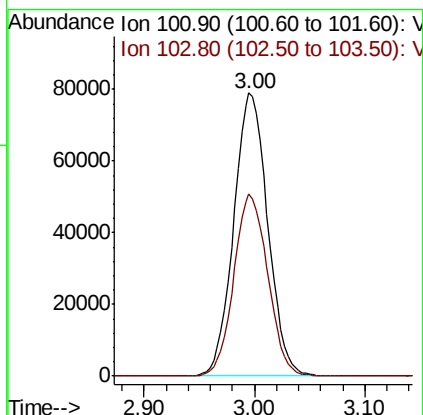
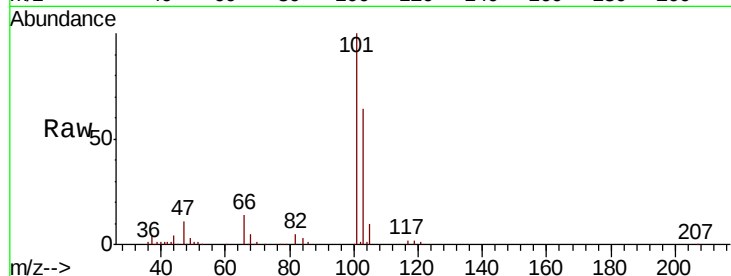


#7

Trichlorofluoromethane
 Concen: 20.338 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Instrument :
 MSVOA_N
 ClientSampled :

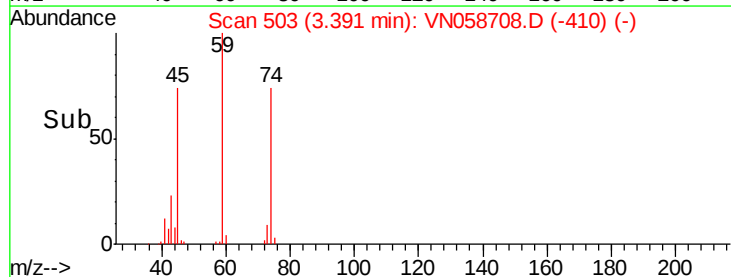
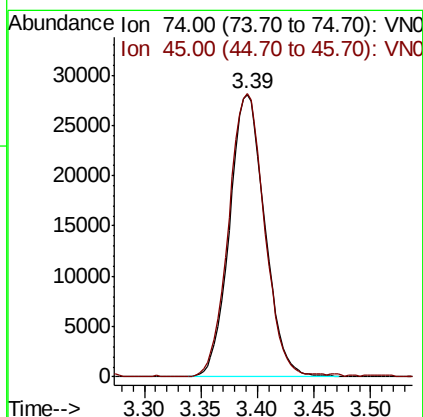
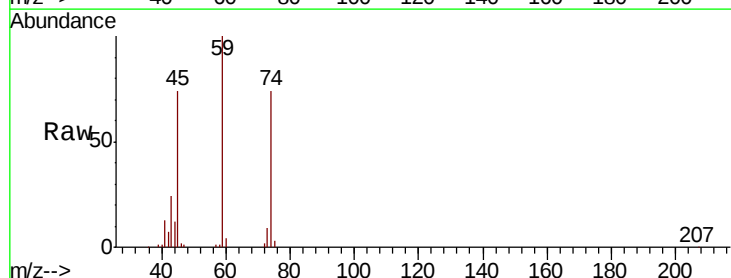
Tot Ion:101 Resp: 168756
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

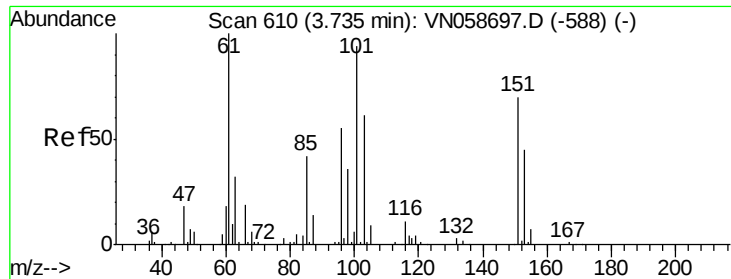


#8

Diethyl Ether
 Concen: 19.924 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 74 Resp: 61084
 Ion Ratio Lower Upper
 74 100
 45 102.2 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.024 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

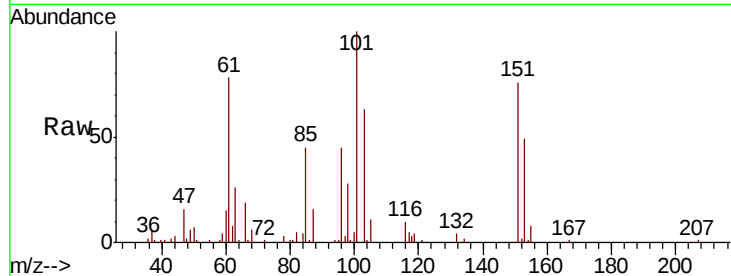
Tot Ion:101 Resp: 94740

Ion Ratio Lower Upper

101 100

85 44.4 37.0 55.6

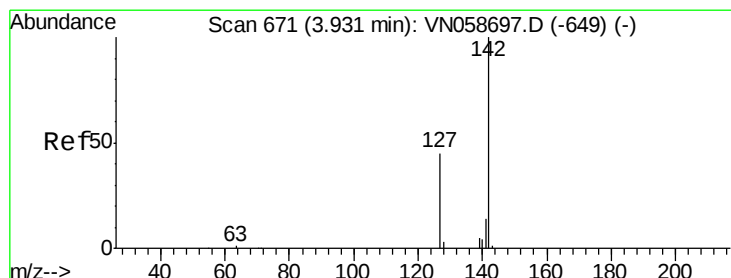
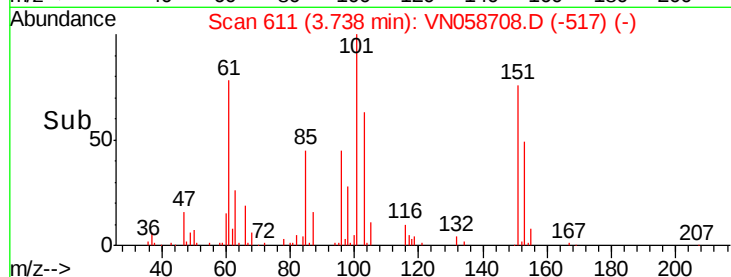
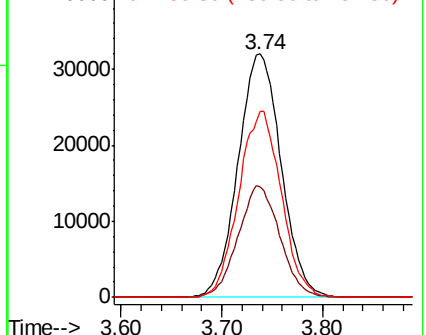
151 75.3 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.533 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

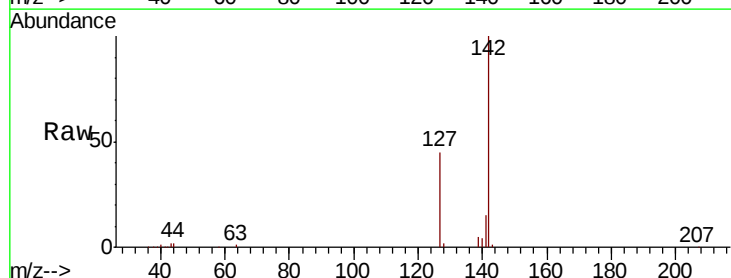
Tgt Ion:142 Resp: 126111

Ion Ratio Lower Upper

142 100

127 45.8 36.4 54.6

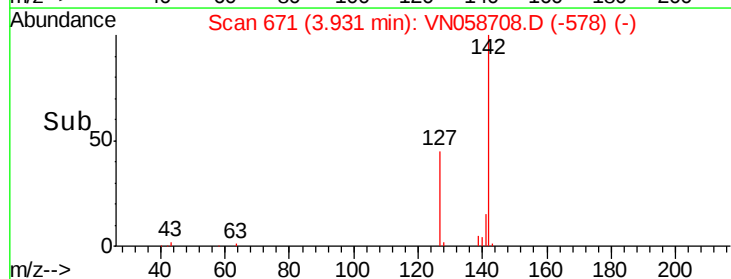
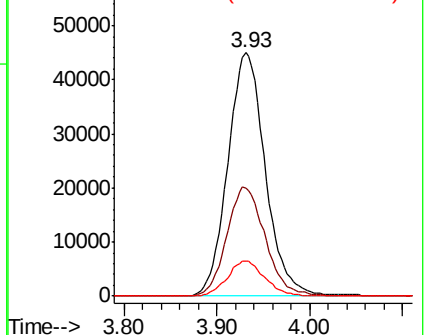
141 14.3 11.1 16.7

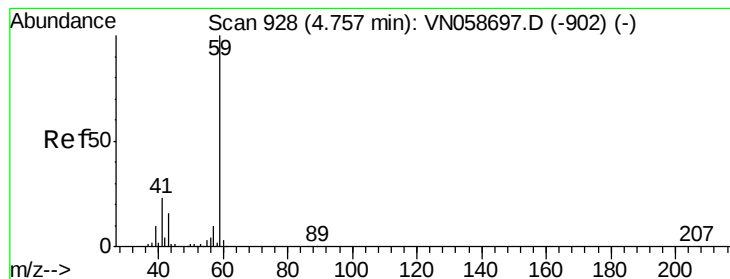


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



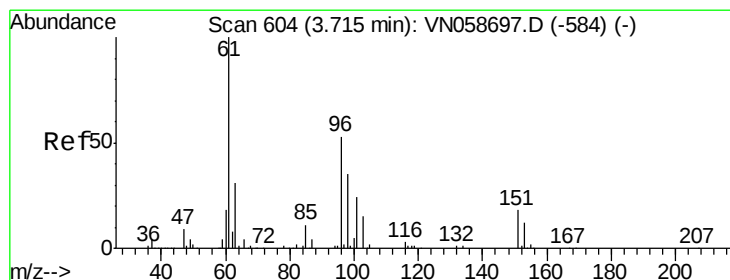
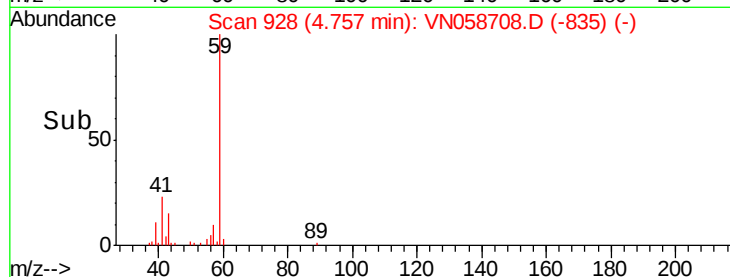
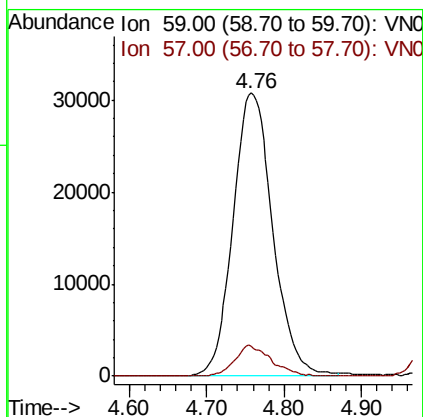
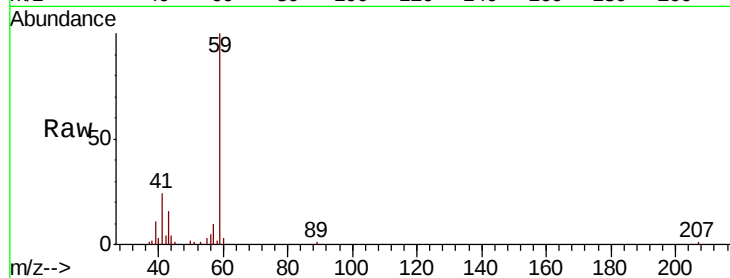


#11

Tert butyl alcohol
 Concen: 103.217 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

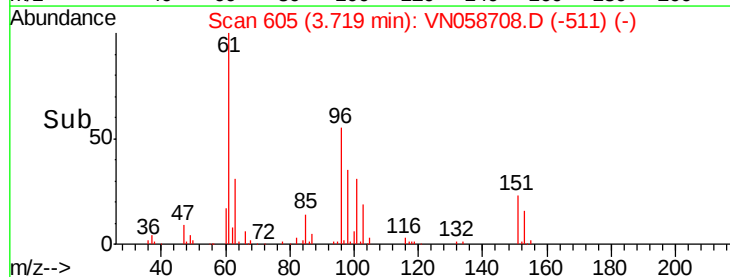
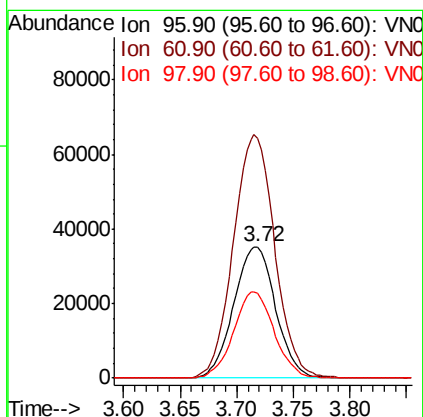
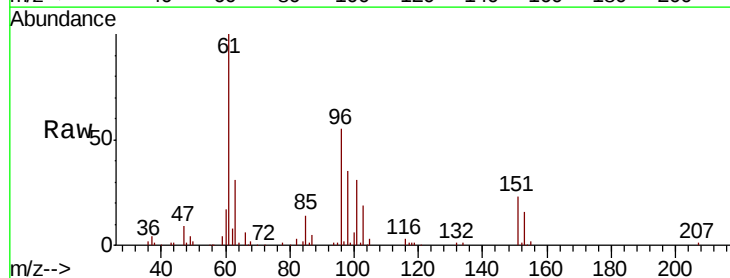
Tot Ion: 59 Resp: 110002
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.4 12.6

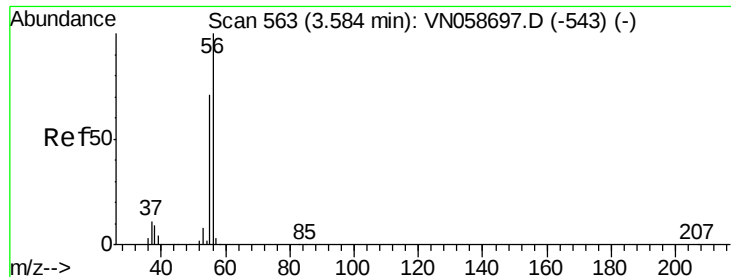


#12

1,1-Dichloroethene
 Concen: 20.054 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 96 Resp: 90526
 Ion Ratio Lower Upper
 96 100
 61 182.7 151.3 226.9
 98 64.2 52.6 78.8





#13

Acrolein

Concen: 92.989 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

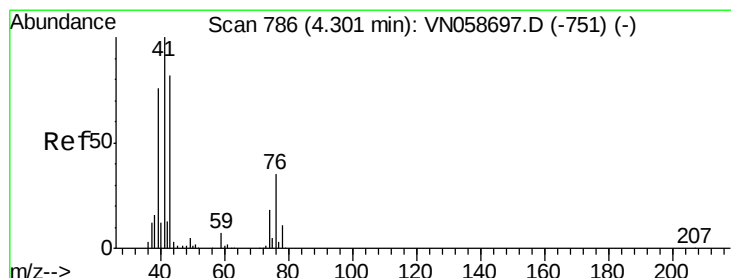
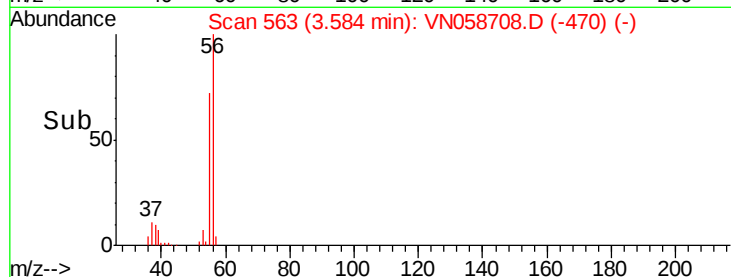
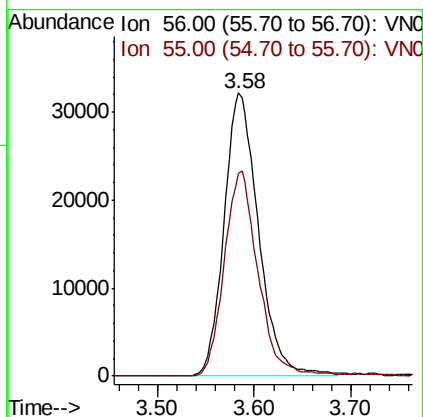
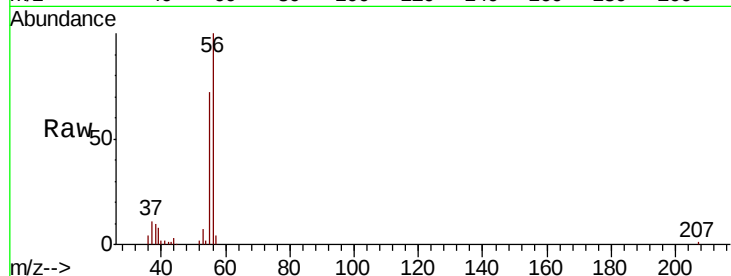
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 79703

Ion Ratio Lower Upper

56 100

55 71.2 56.7 85.1



#14

Allyl chloride

Concen: 19.703 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

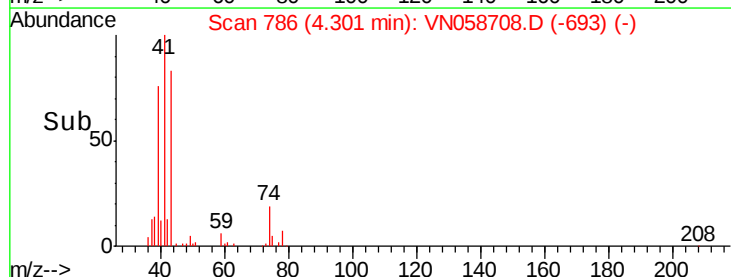
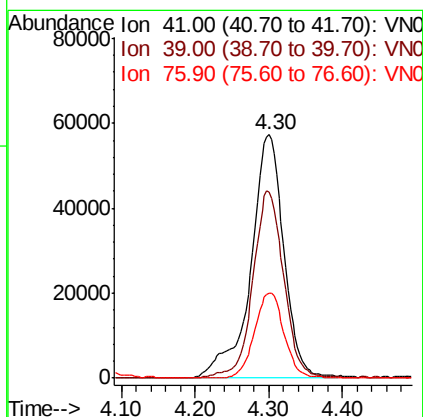
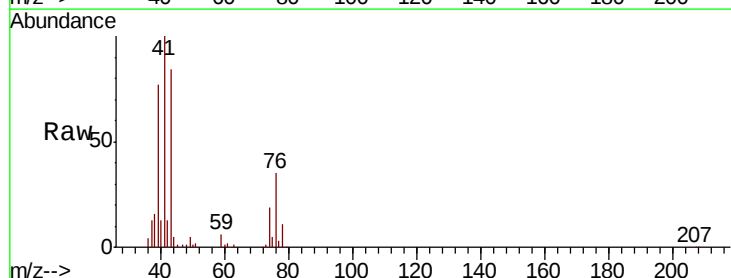
Tgt Ion: 41 Resp: 179489

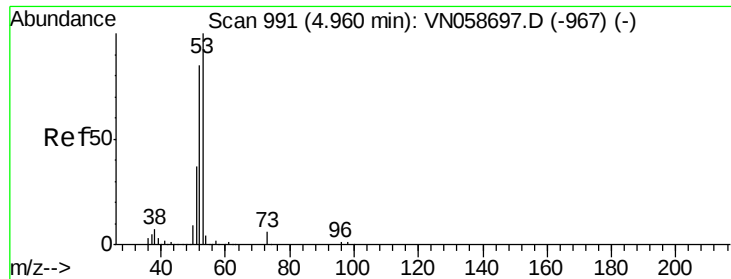
Ion Ratio Lower Upper

41 100

39 71.8 57.2 85.8

76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 101.237 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

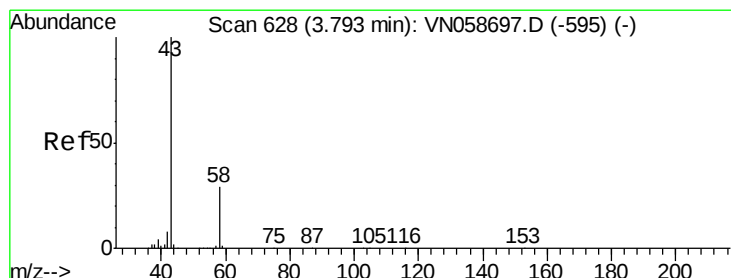
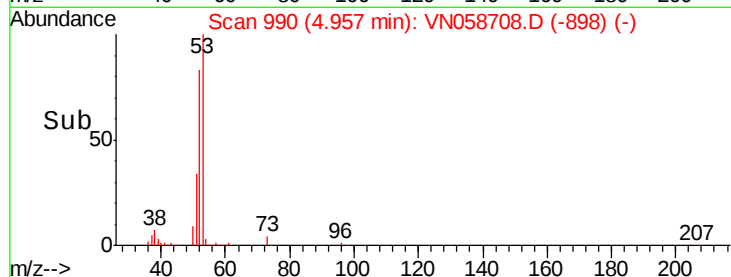
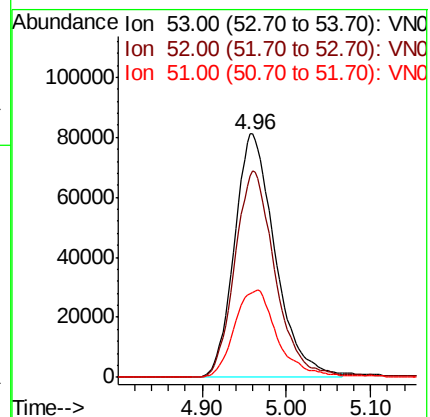
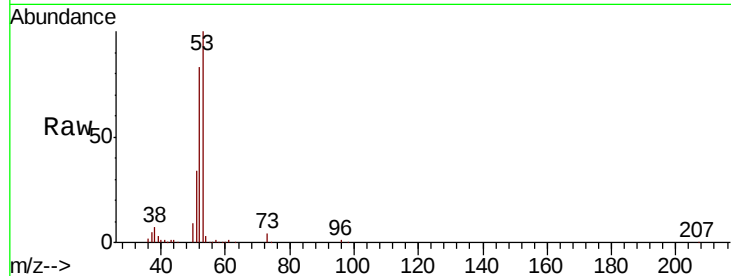
Tot Ion: 53 Resp: 272085

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.2

51 37.7 29.4 44.2



#16

Acetone

Concen: 106.756 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058708.D

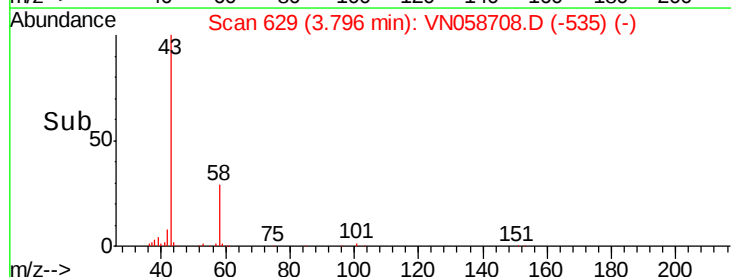
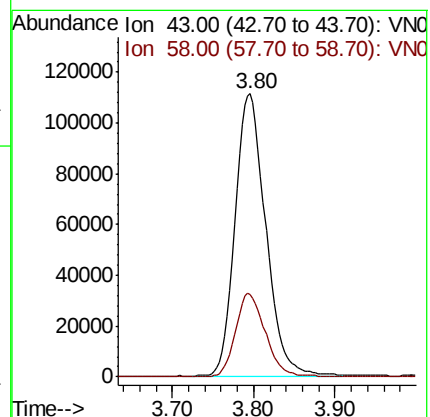
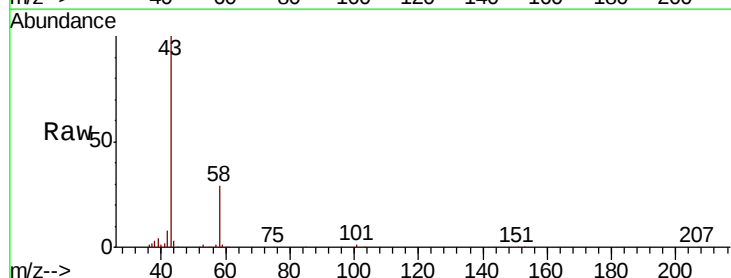
Acq: 11 Oct 2019 17:04

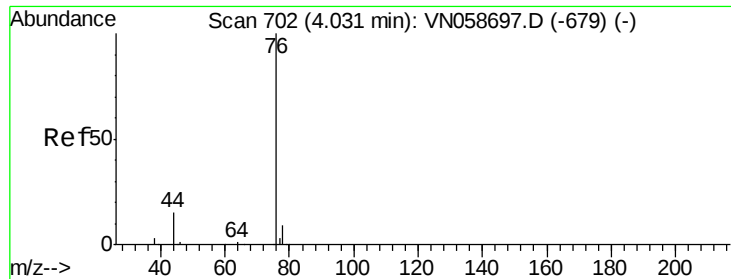
Tgt Ion: 43 Resp: 290837

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9

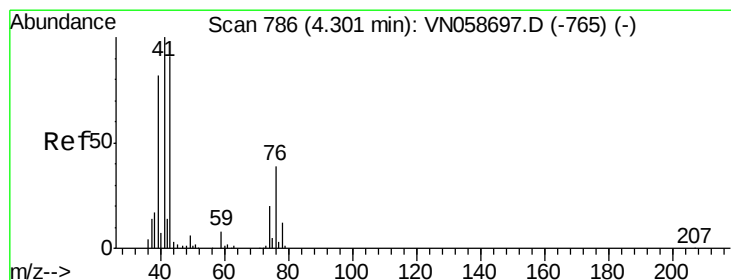
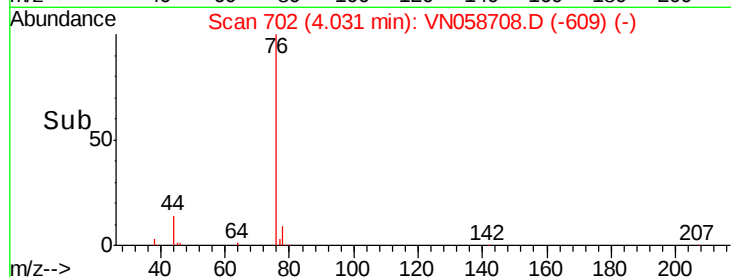
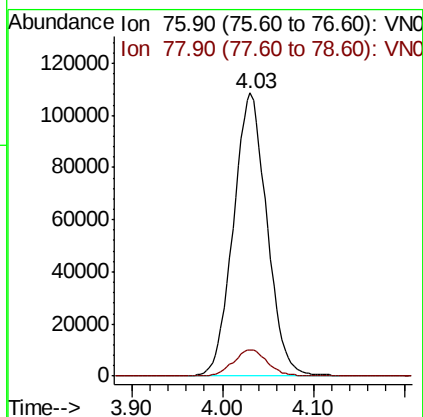
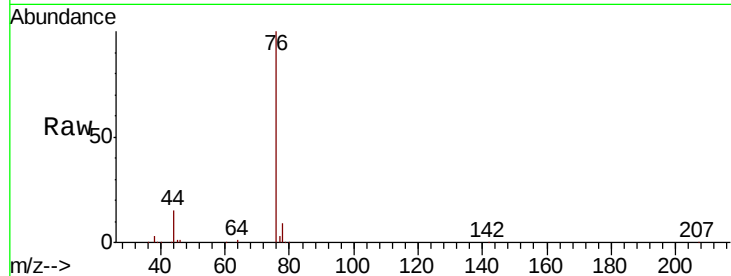




#17
Carbon Disulfide
Concen: 19.281 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

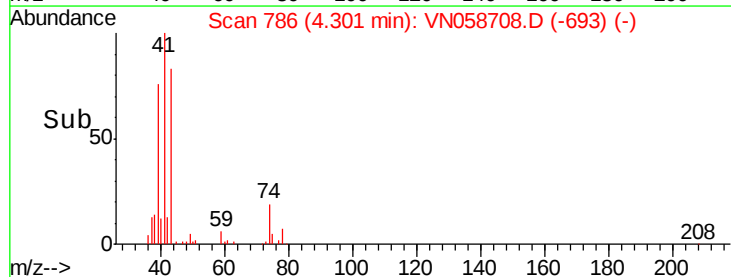
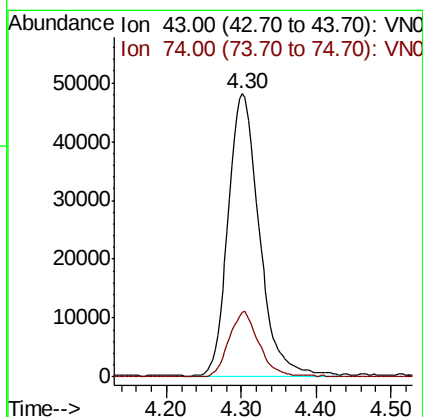
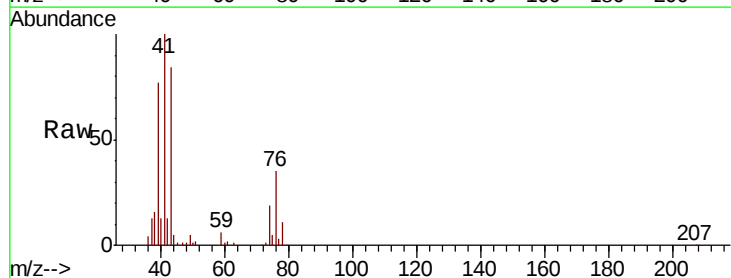
Instrument :
MSVOA_N
ClientSampled :

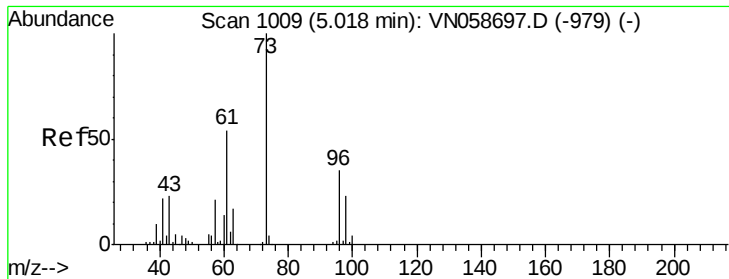
Tot Ion: 76 Resp: 278217
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 20.369 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 43 Resp: 140760
Ion Ratio Lower Upper
43 100
74 22.2 17.2 25.8



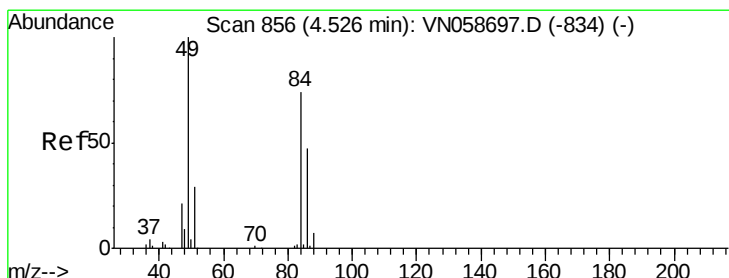
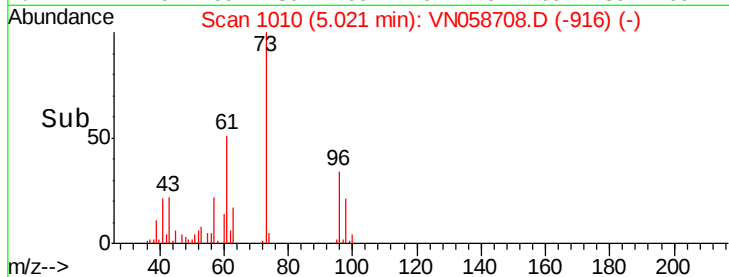
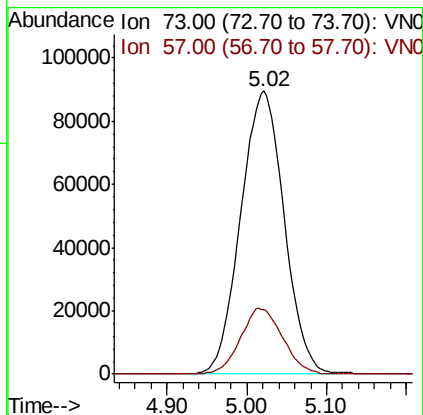
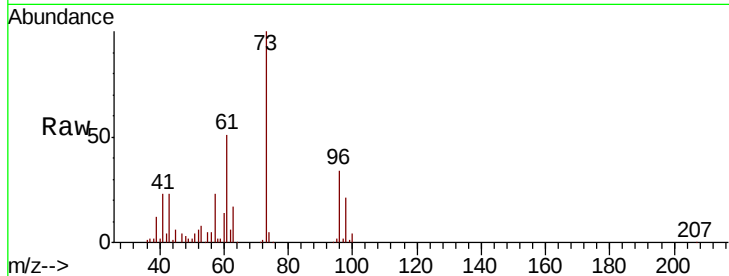


#19

Methyl tert-butyl Ether
 Concen: 20.581 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

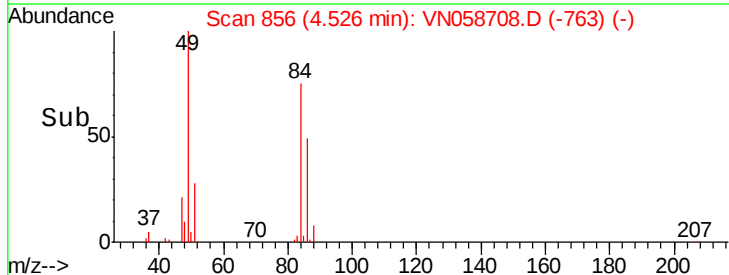
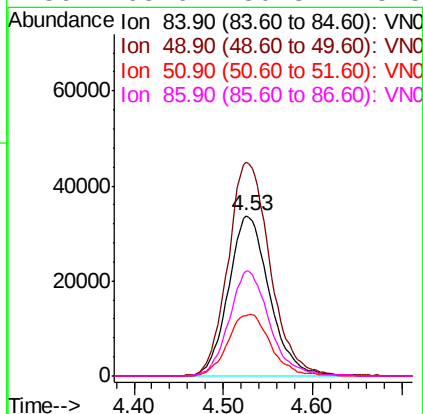
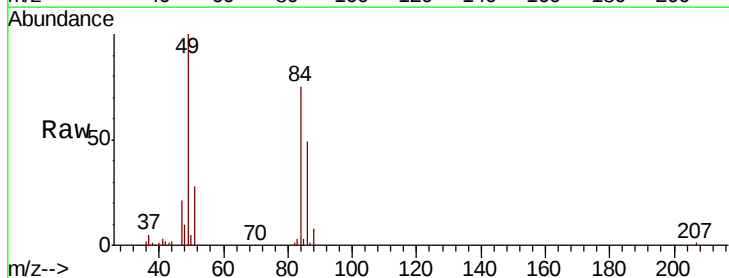
Tot Ion: 73 Resp: 331743
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.0 25.6

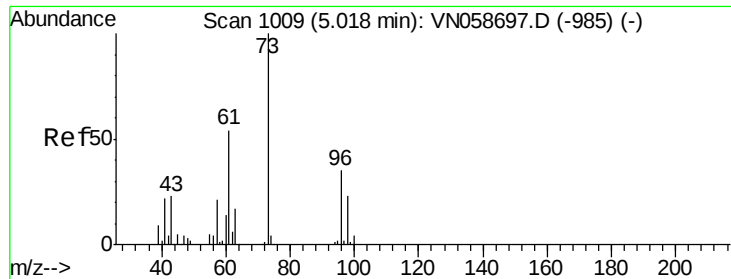


#20

Methylene Chloride
 Concen: 18.885 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 84 Resp: 107525
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.6 161.4
 51 37.8 31.4 47.0
 86 65.6 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

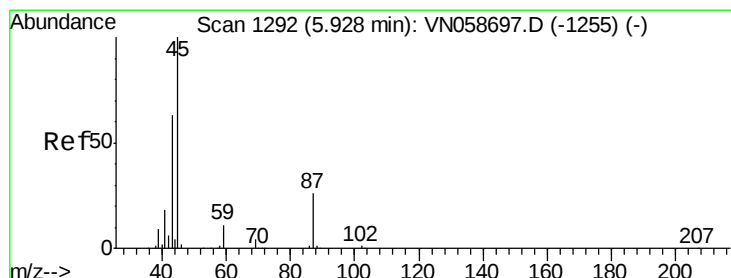
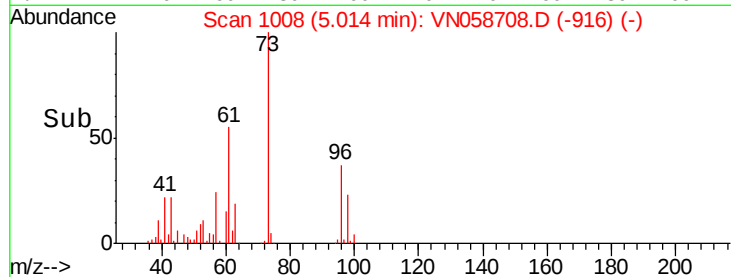
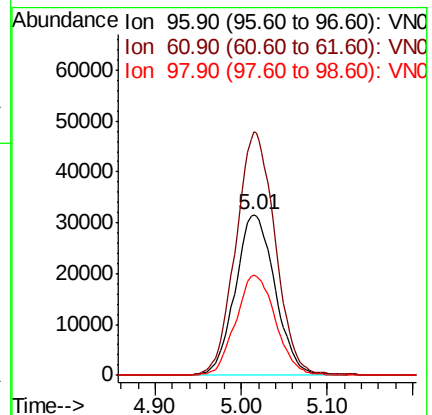
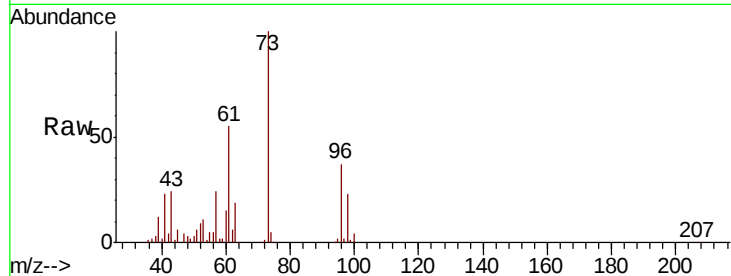
Tot Ion: 96 Resp: 101295

Ion Ratio Lower Upper

96 100

61 151.0 123.6 185.4

98 62.4 52.1 78.1



#22

Diisopropyl ether

Concen: 20.409 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Tgt Ion: 45 Resp: 361494

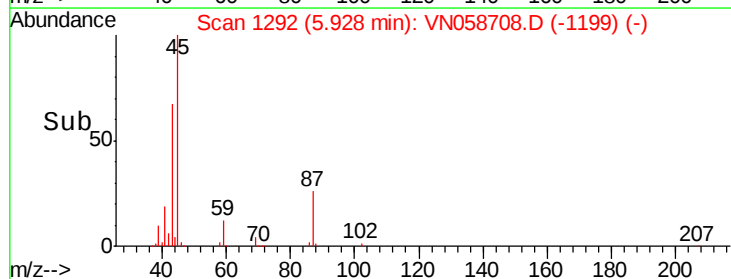
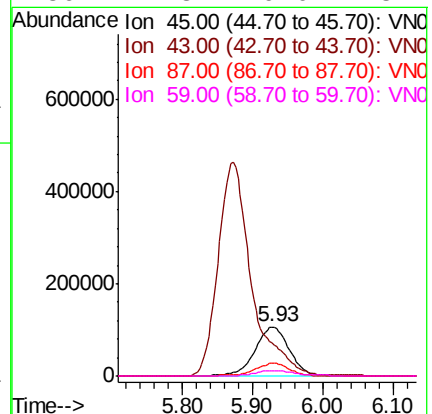
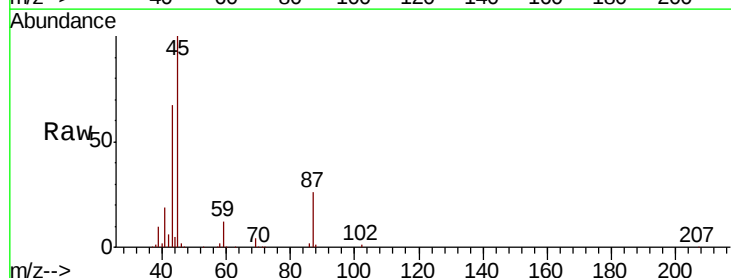
Ion Ratio Lower Upper

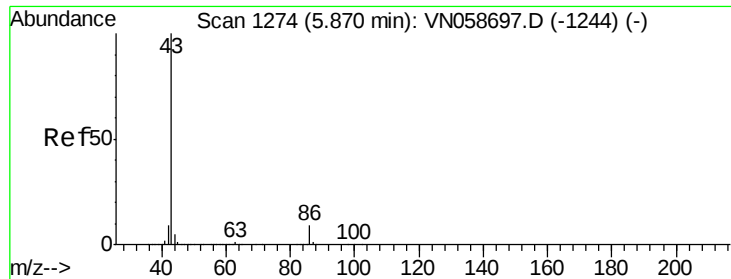
45 100

43 65.4 50.6 75.8

87 25.9 21.1 31.7

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 107.269 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

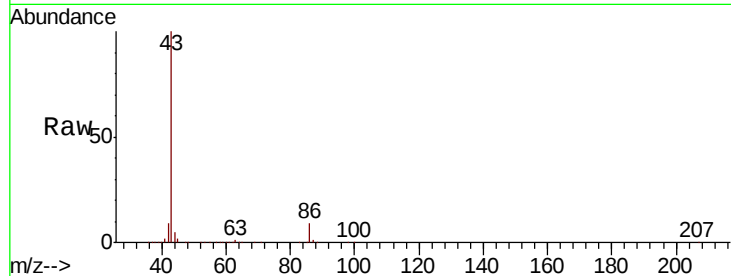
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1533110

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN058697.D (-1244) (-)

5.87

500000

400000

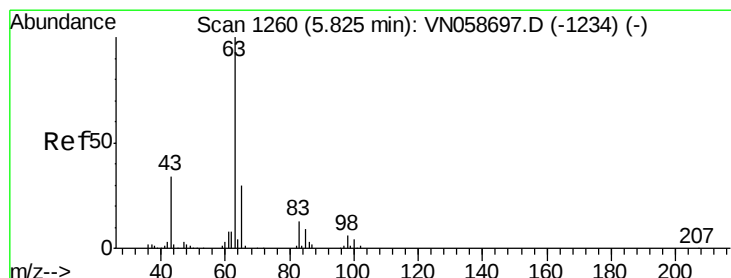
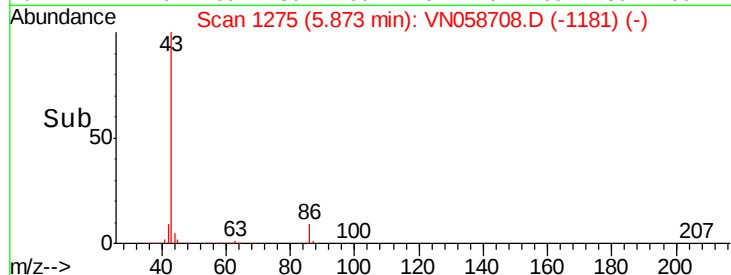
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.250 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

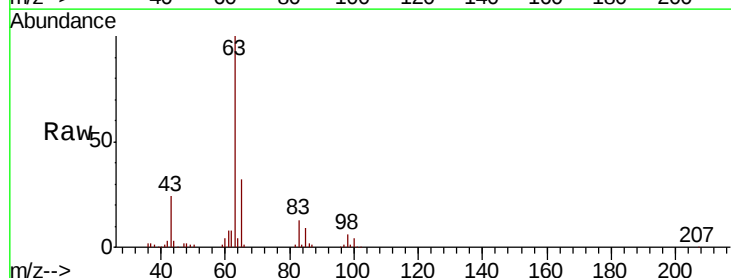
Tgt Ion: 63 Resp: 204279

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058697.D (-1234) (-)

80000

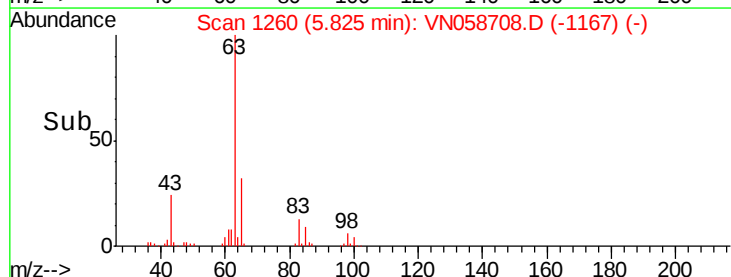
60000

40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 103.145 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

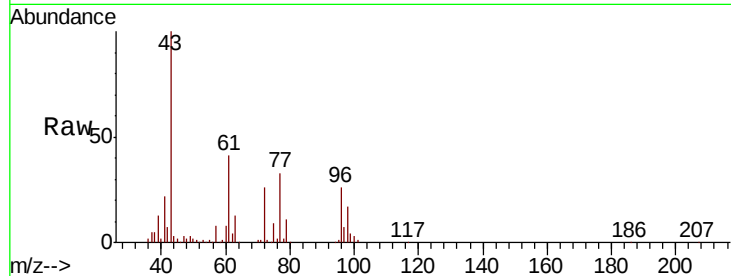
ClientSampleId :

Tot Ion: 43 Resp: 406157

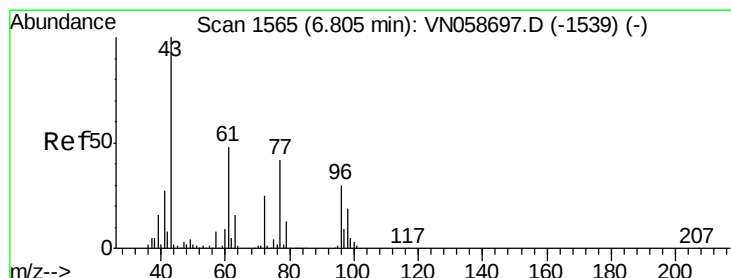
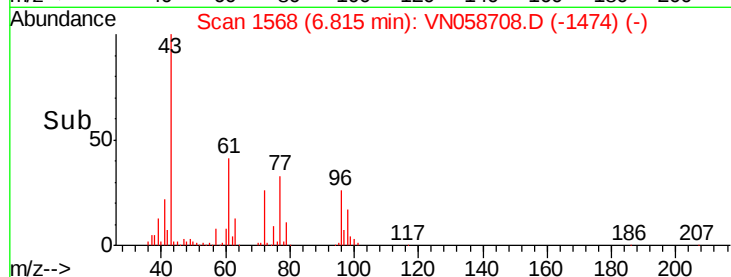
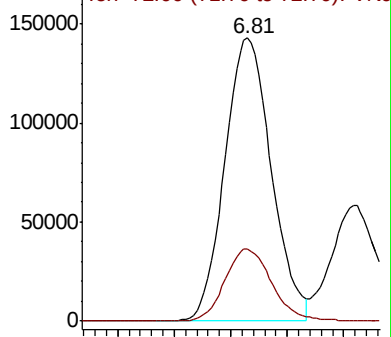
Ion Ratio Lower Upper

43 100

72 25.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1545) (-)



#26

2,2-Dichloropropane

Concen: 19.658 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058708.D

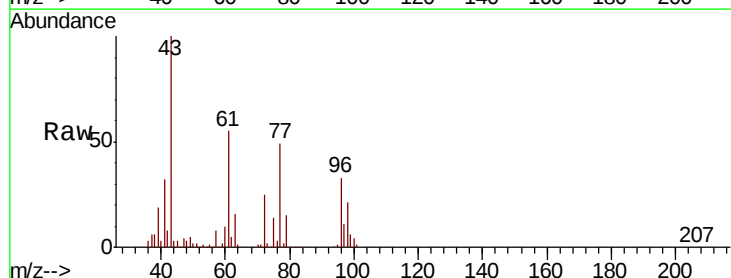
Acq: 11 Oct 2019 17:04

Tgt Ion: 77 Resp: 181021

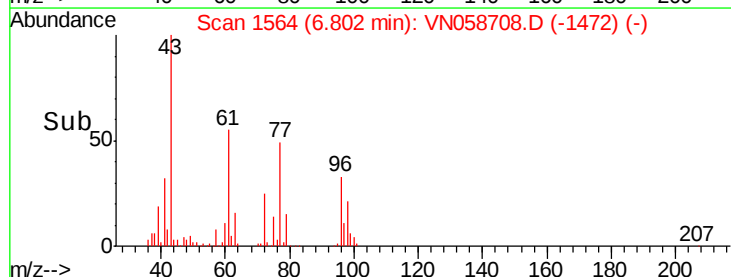
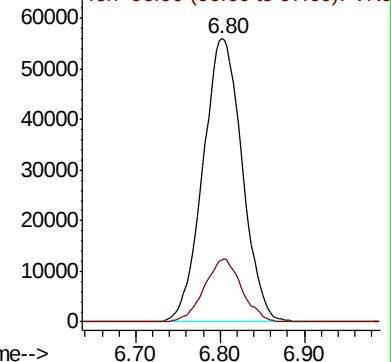
Ion Ratio Lower Upper

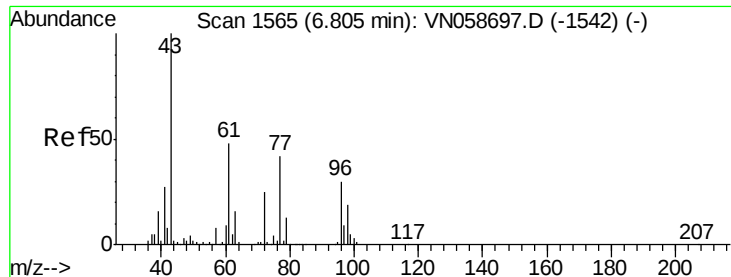
77 100

97 21.2 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN058697.D (-1539) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.591 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

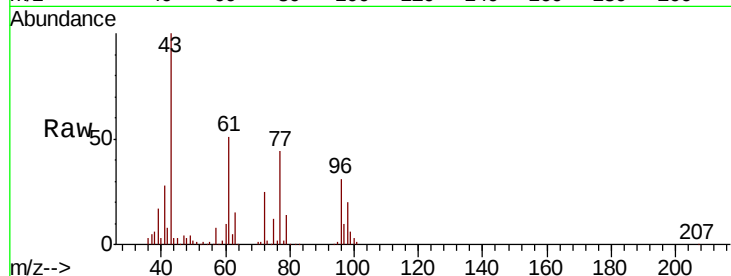
Tot Ion: 96 Resp: 115355

Ion Ratio Lower Upper

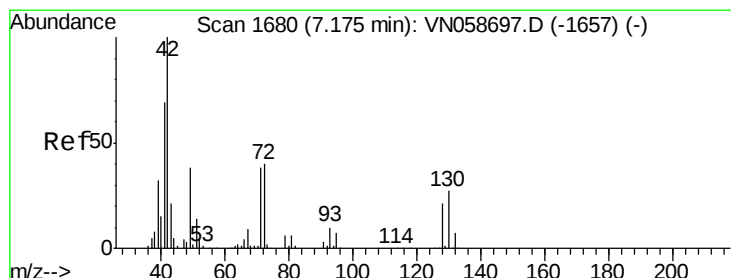
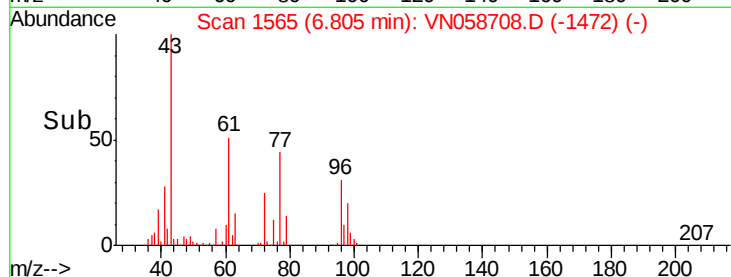
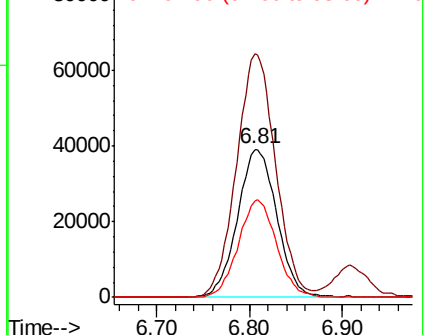
96 100

61 163.3 0.0 324.8

98 64.0 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: 20.904 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

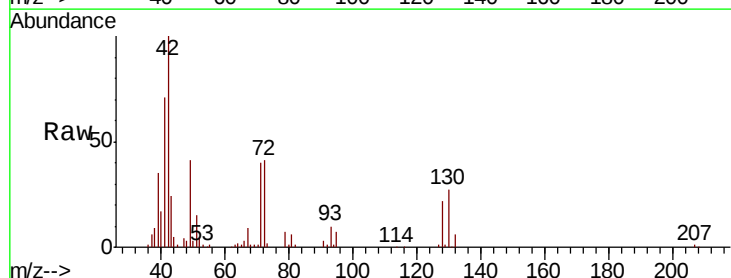
Tgt Ion: 49 Resp: 73363

Ion Ratio Lower Upper

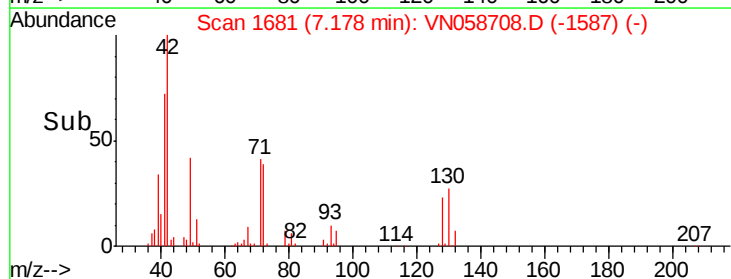
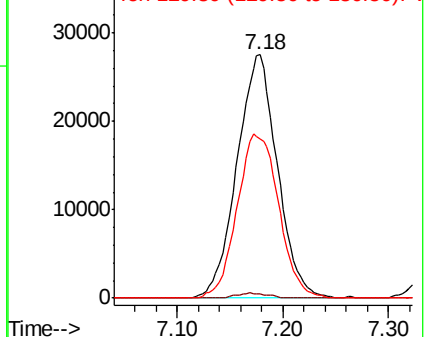
49 100

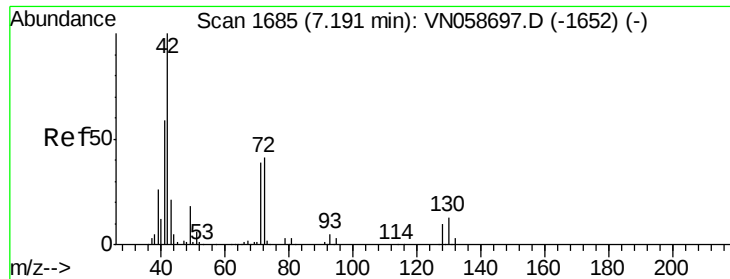
129 1.6 0.0 3.6

130 69.3 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

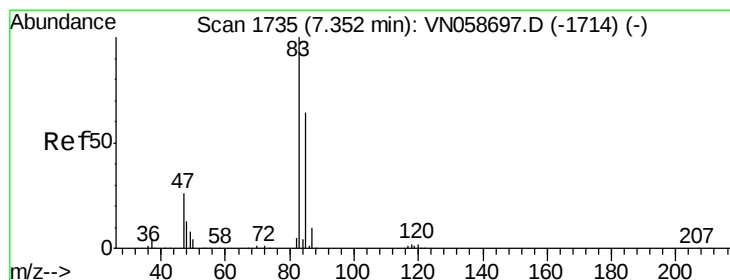
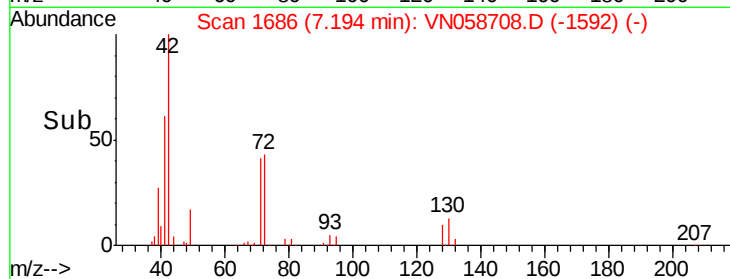
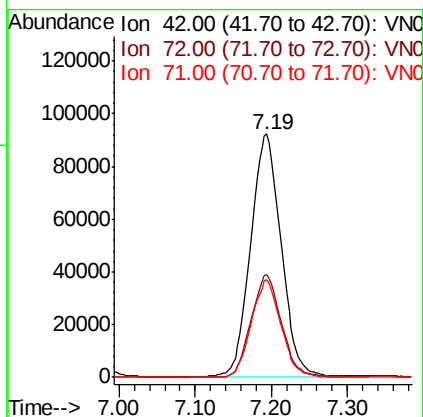
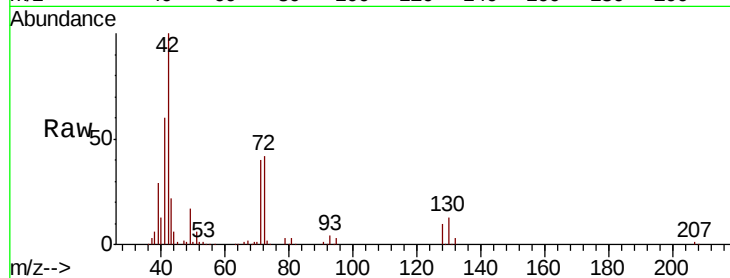




#29
Tetrahydrofuran
Concen: 101.998 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

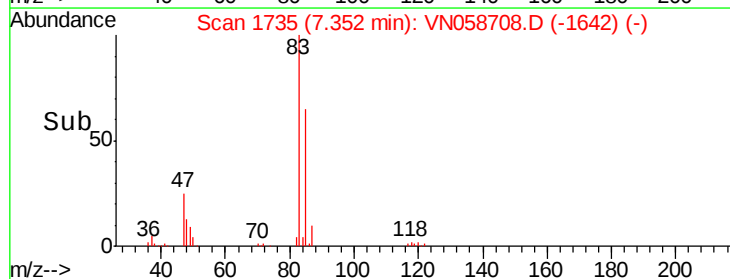
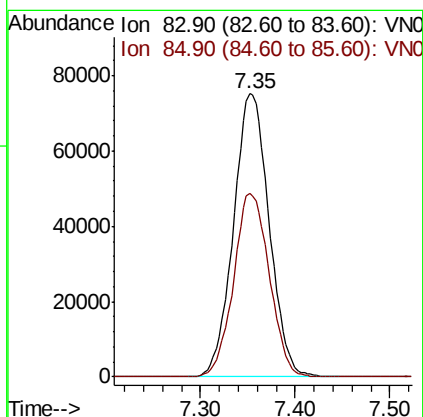
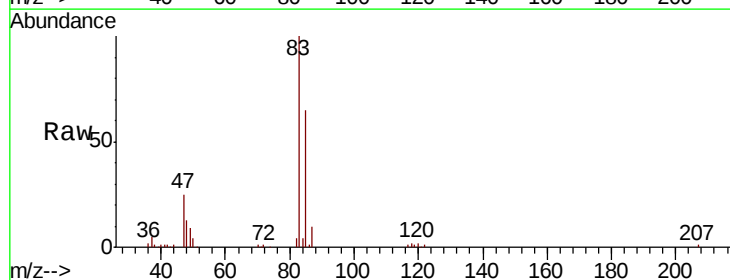
Instrument :
MSVOA_N
ClientSampled :

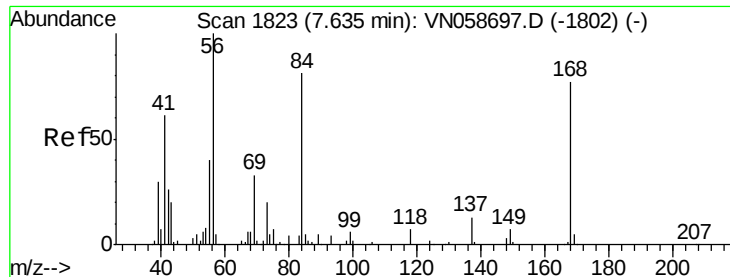
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	38.6	31.1	46.7



#30
Chloroform
Concen: 19.434 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6





#31

Cvclohexane

Concen: 19.266 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :

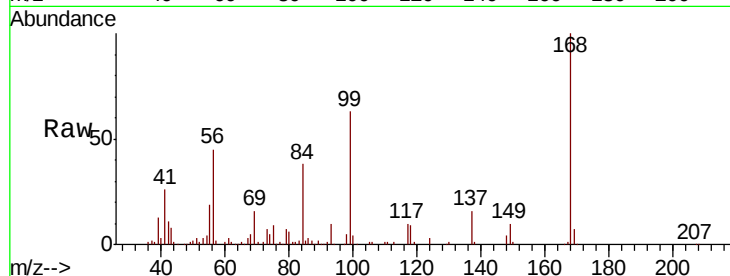
Tot Ion: 56 Resp: 185960

Ion Ratio Lower Upper

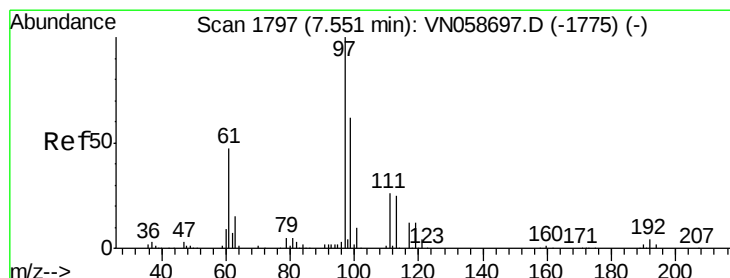
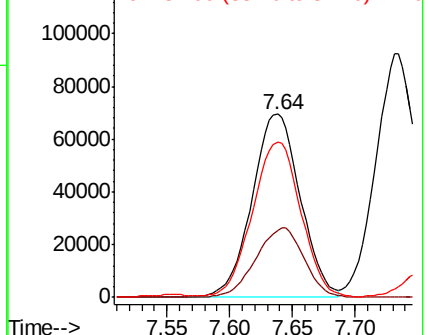
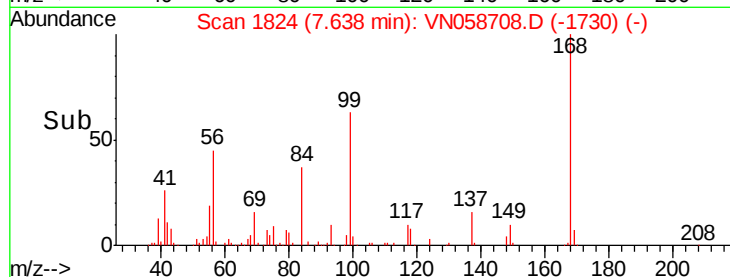
56 100

69 36.8 26.2 39.4

84 83.8 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.221 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

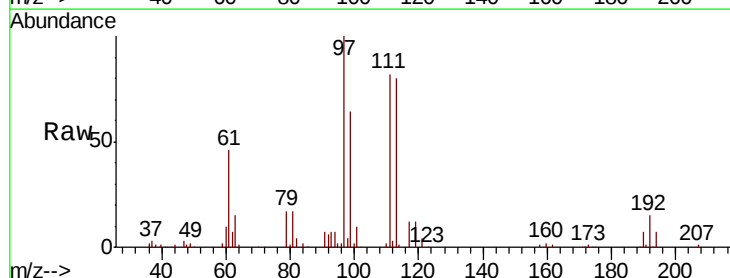
Tgt Ion: 97 Resp: 174780

Ion Ratio Lower Upper

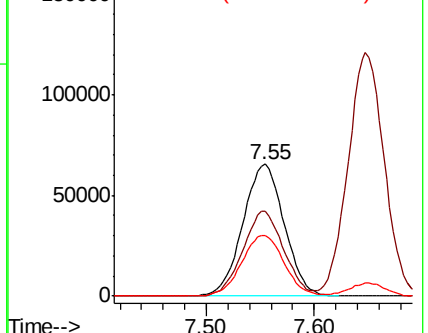
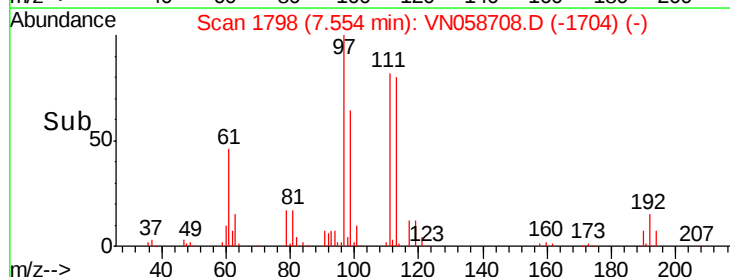
97 100

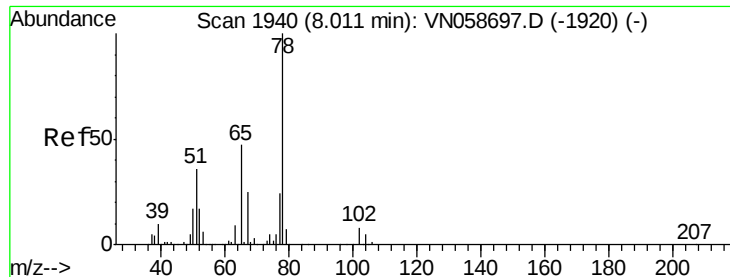
99 63.5 50.8 76.2

61 47.3 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.768 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

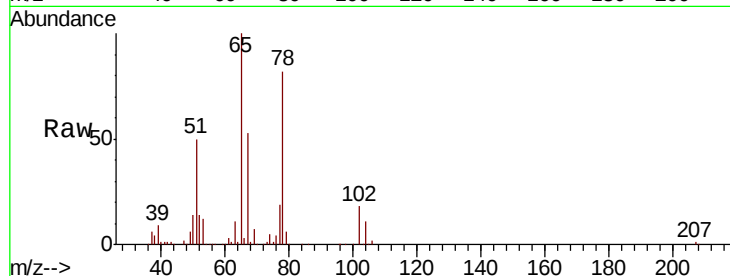
ClientSampleId :

Tot Ion: 65 Resp: 340666

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)

8.01

150000

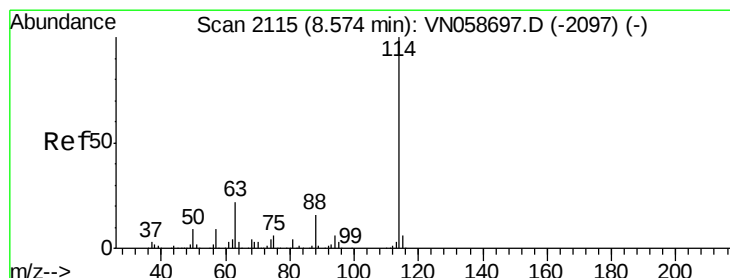
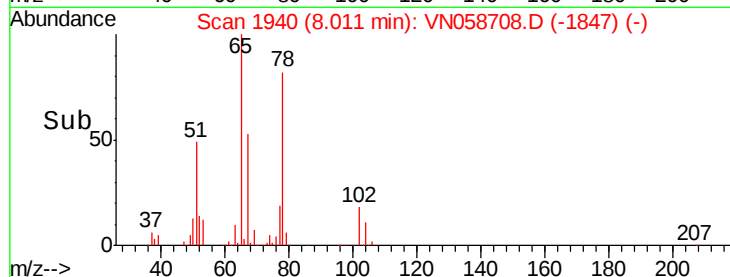
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

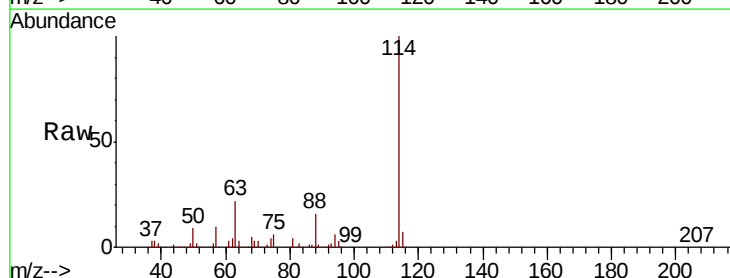
Tgt Ion: 114 Resp: 763973

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN058697.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058697.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058697.D (-2097) (-)

8.57

500000

400000

300000

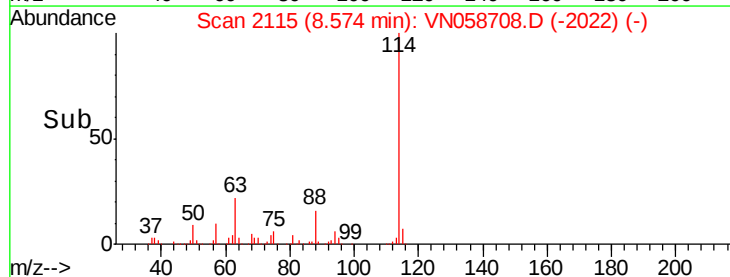
200000

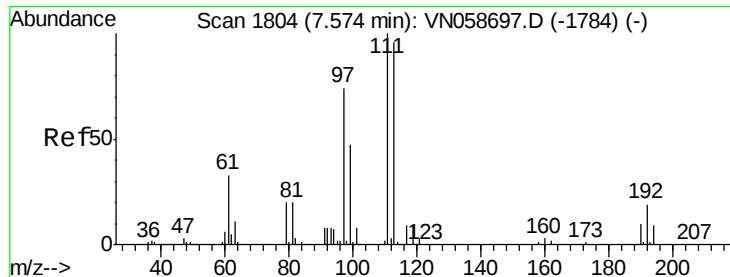
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

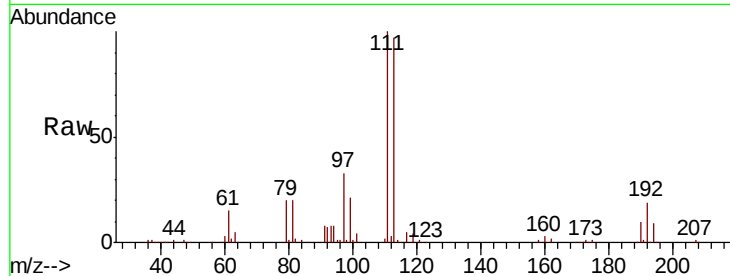




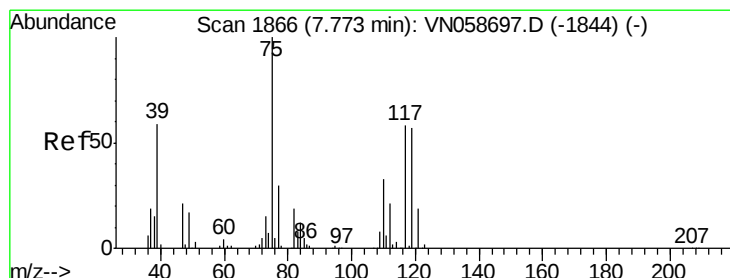
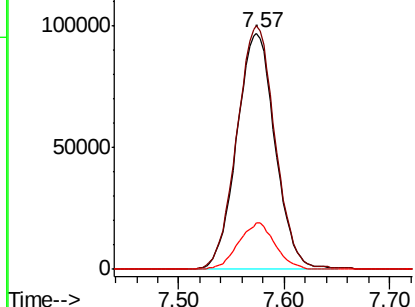
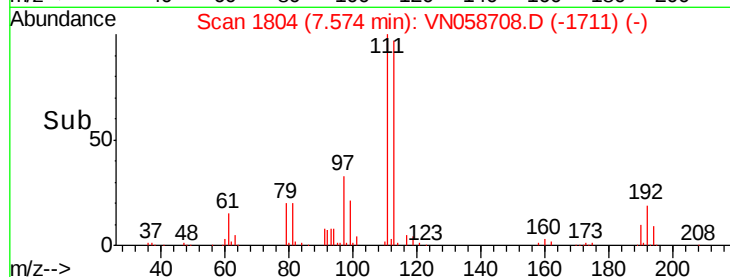
#35
 Dibromofluoromethane
 Concen: 51.841 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	19.0	15.0	22.6

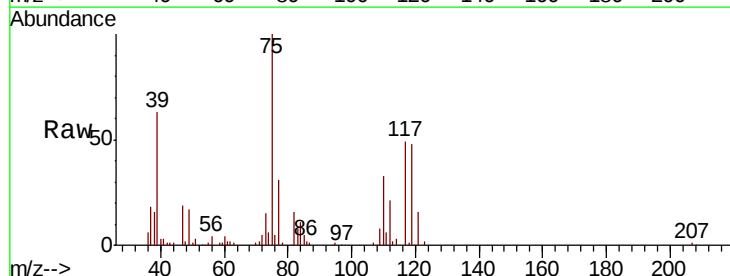


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

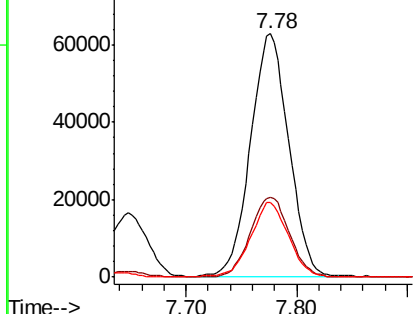
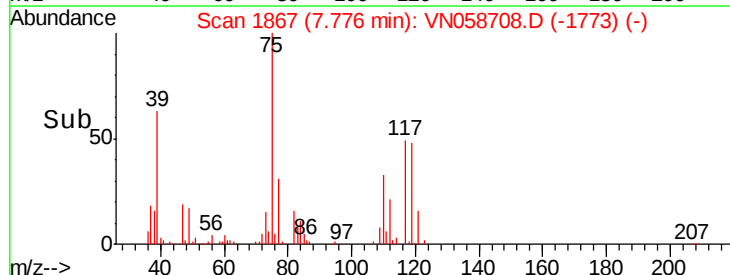


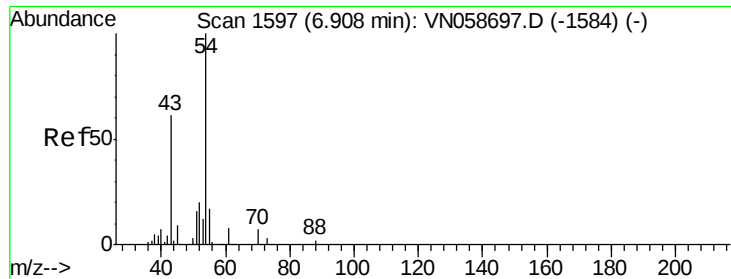
#36
 1,1-Dichloropropene
 Concen: 19.448 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.6	49.8
77	30.6	24.6	37.0



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

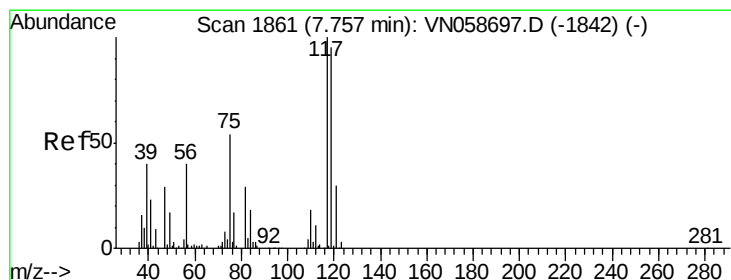
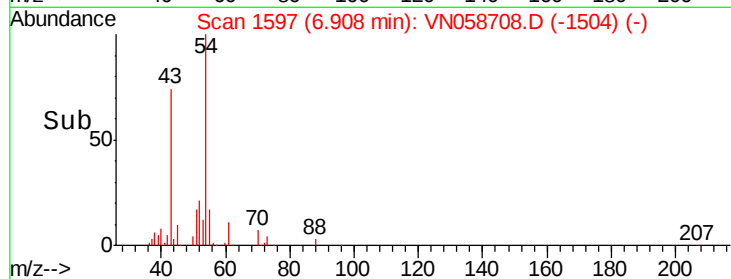
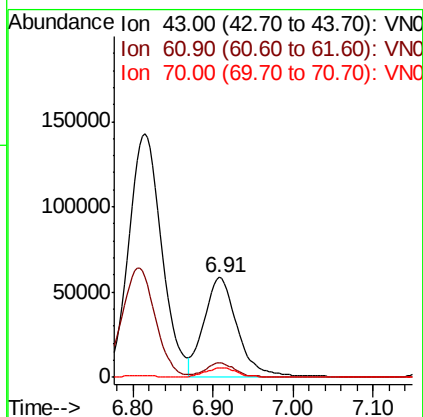
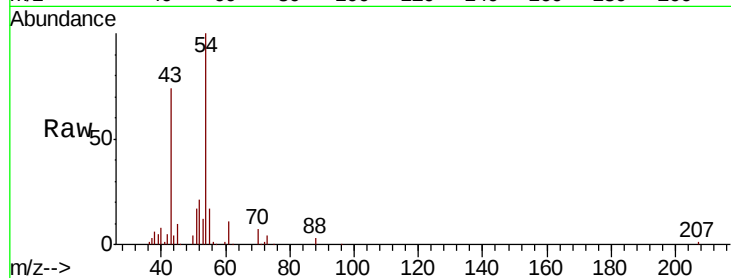




#37
Ethyl Acetate
Concen: 21.572 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

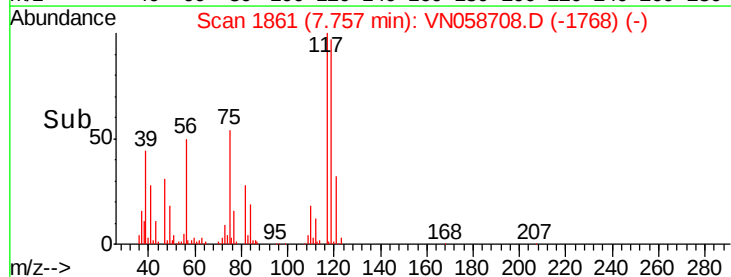
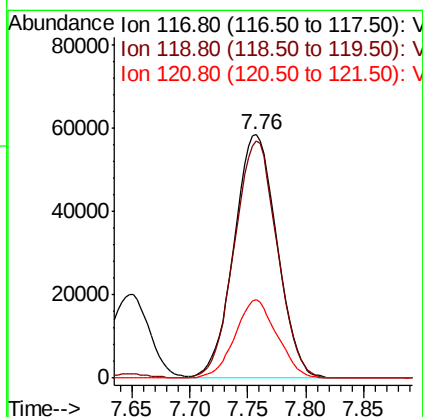
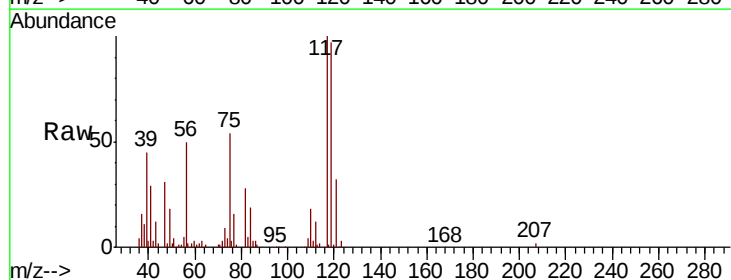
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 168520
Ion Ratio Lower Upper
43 100
61 13.4 11.3 16.9
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.089 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 117 Resp: 151233
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 32.0 23.9 35.9

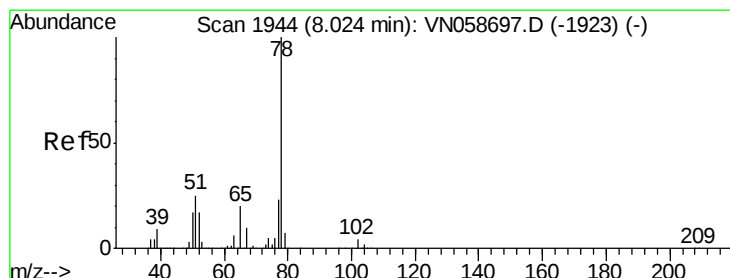
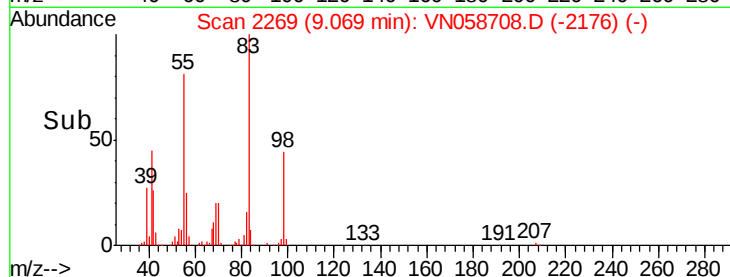
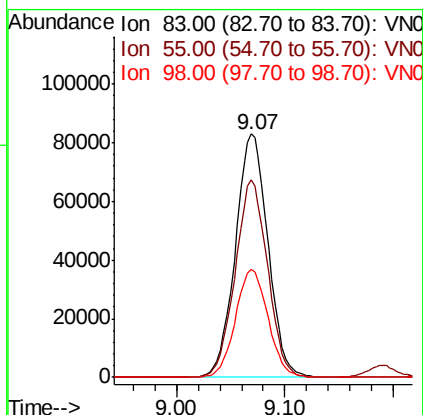
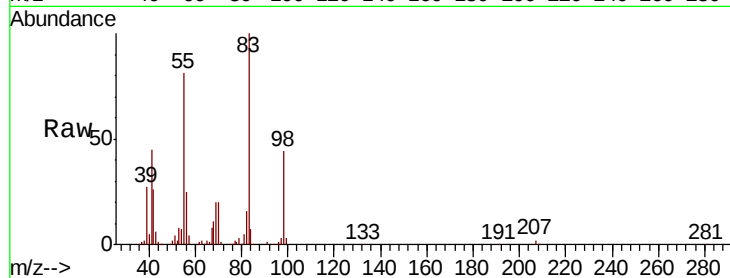




#39
Methvlcvclohexane
Concen: 19.461 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

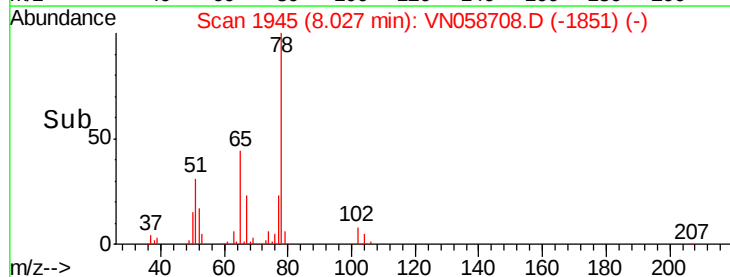
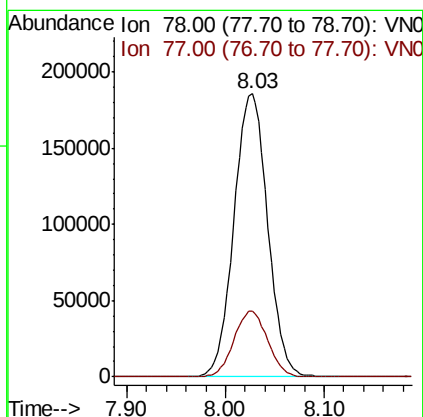
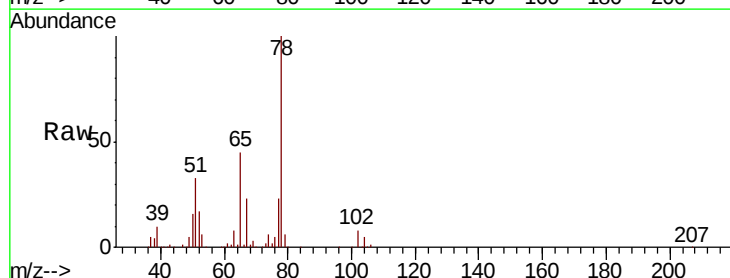
Instrument :
MSVOA_N
ClientSampled :

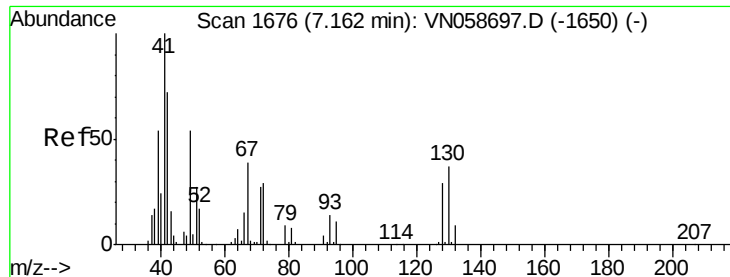
Tot Ion: 83 Resp: 174428
Ion Ratio Lower Upper
83 100
55 81.3 63.4 95.0
98 44.2 35.1 52.7



#40
Benzene
Concen: 19.832 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 78 Resp: 439954
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

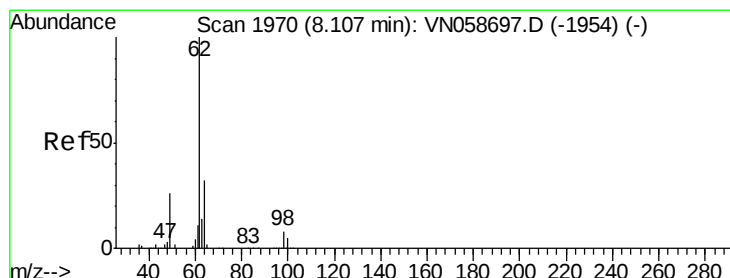
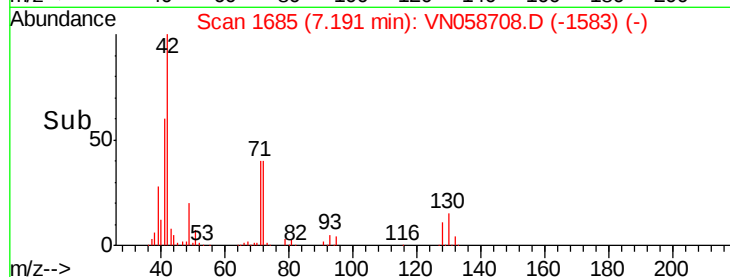
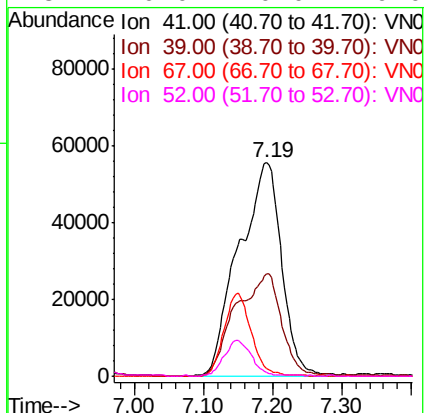
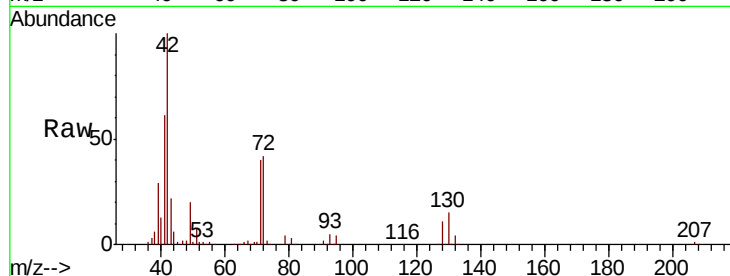




#41
Methacrylonitrile
Concen: 65.280 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

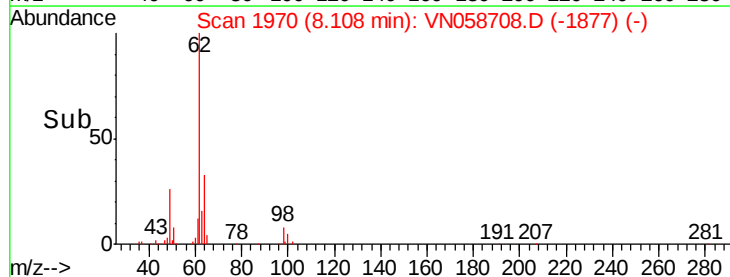
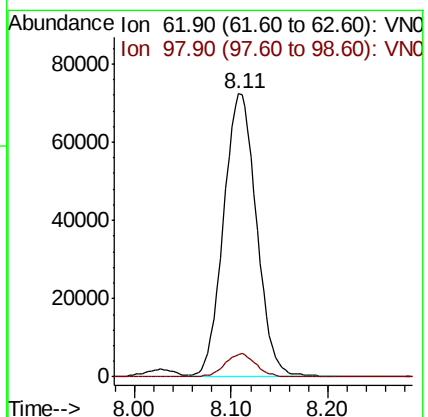
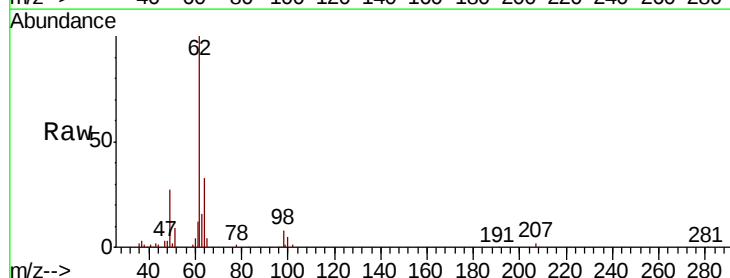
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 238713
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.132 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 62 Resp: 171578
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 20.100 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

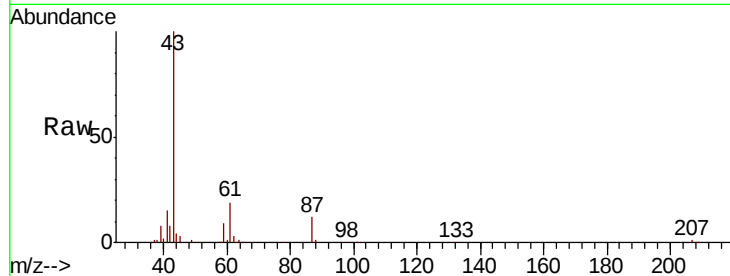
Tot Ion: 43 Resp: 267487

Ion Ratio Lower Upper

43 100

61 18.1 20.3 30.5#

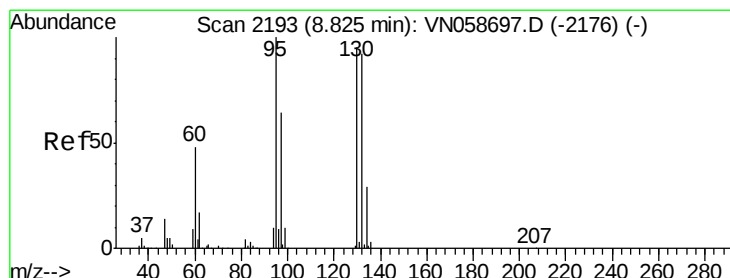
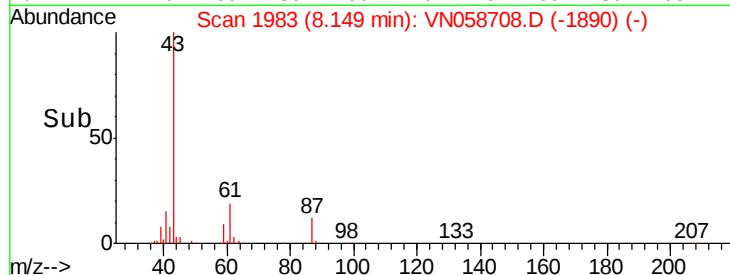
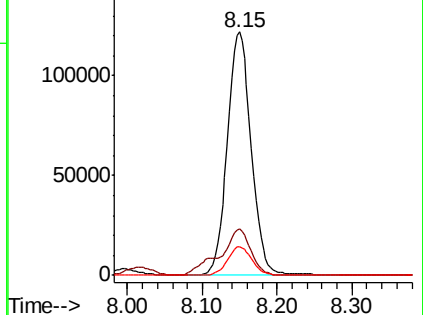
87 12.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058708.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN058708.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN058708.D (-2100) (-)



#44

Trichloroethene

Concen: 19.731 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058708.D

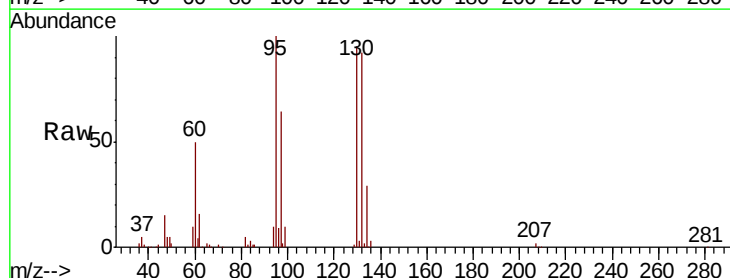
Acq: 11 Oct 2019 17:04

Tgt Ion:130 Resp: 108700

Ion Ratio Lower Upper

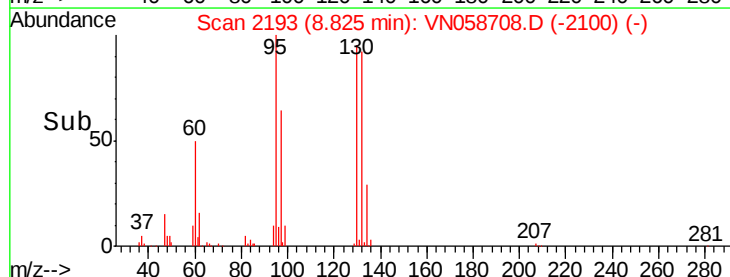
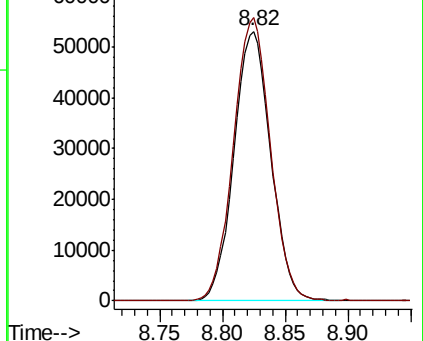
130 100

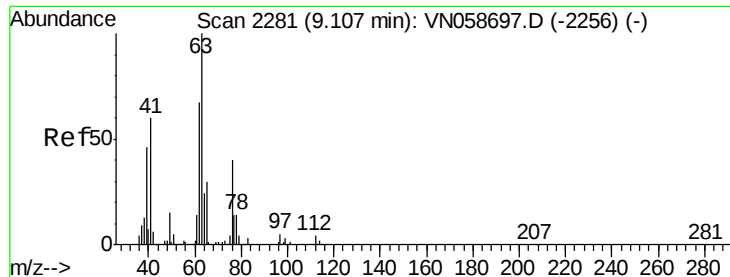
95 104.9 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058708.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058708.D (-2100) (-)

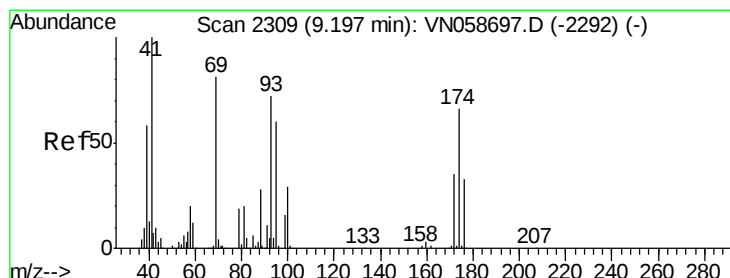
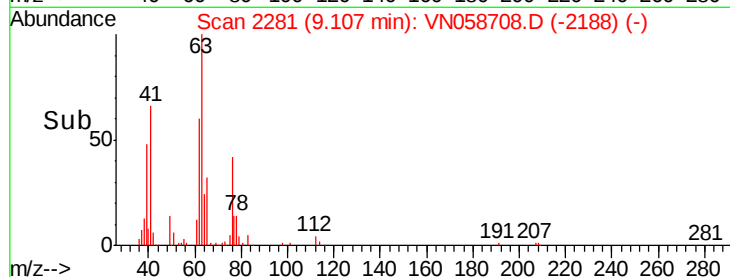
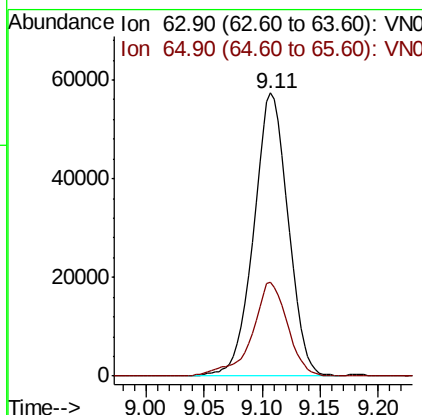
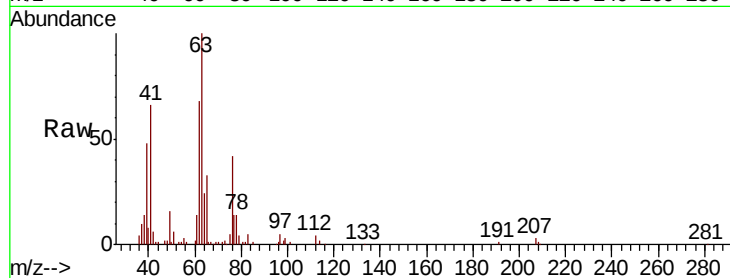




#45
 1,2-Dichloropropane
 Concen: 19.986 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

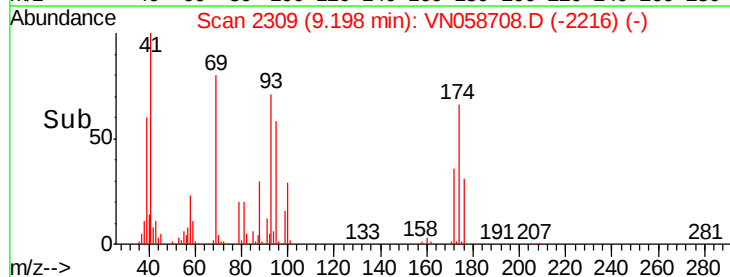
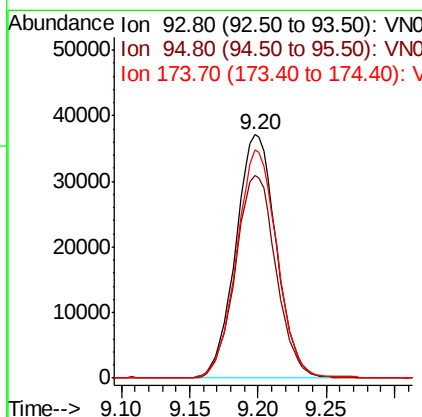
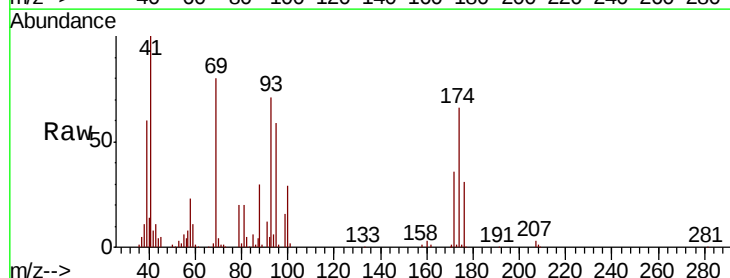
Instrument :
 MSVOA_N
 ClientSampleId :

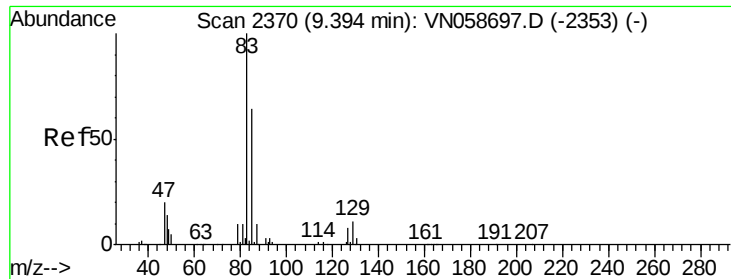
Tot Ion: 63 Resp: 118690
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.1 36.1



#46
 Dibromomethane
 Concen: 20.331 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 93 Resp: 76550
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 93.9 75.2 112.8





#47

Bromodichloromethane

Concen: 20.218 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

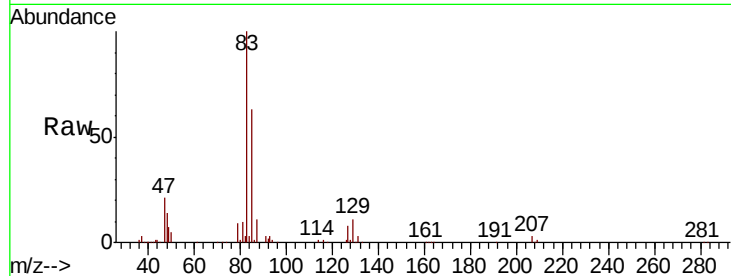
Tot Ion: 83 Resp: 155018

Ion Ratio Lower Upper

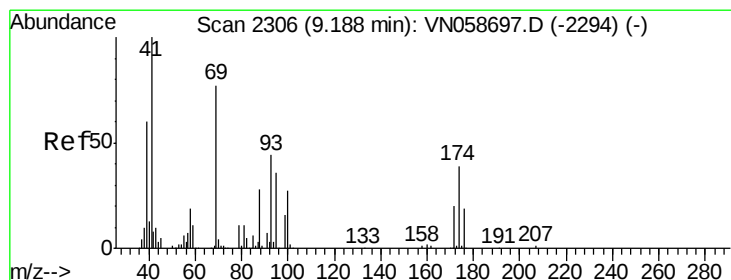
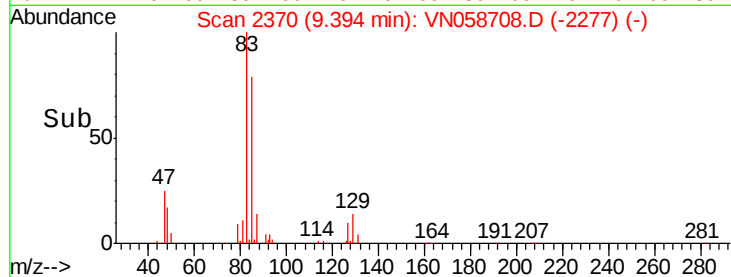
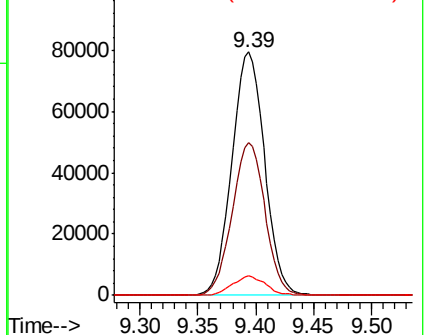
83 100

85 62.7 50.9 76.3

127 8.1 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: 20.375 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

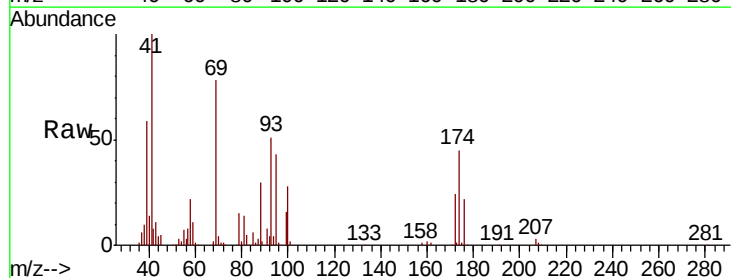
Tgt Ion: 41 Resp: 122909

Ion Ratio Lower Upper

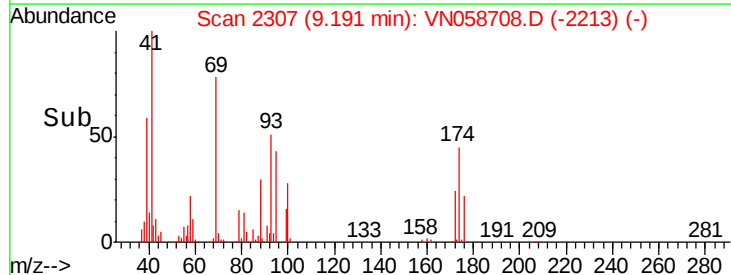
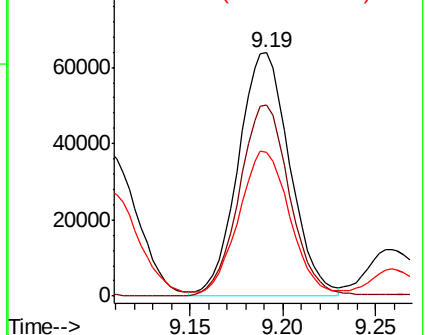
41 100

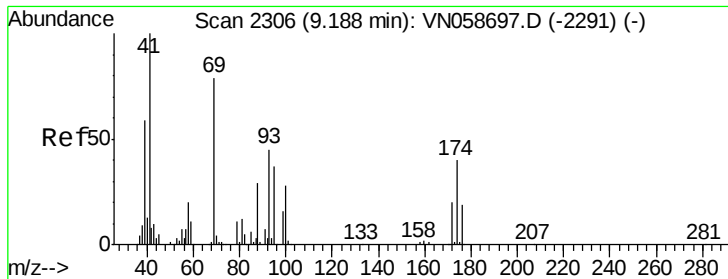
69 77.5 63.4 95.2

39 59.3 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

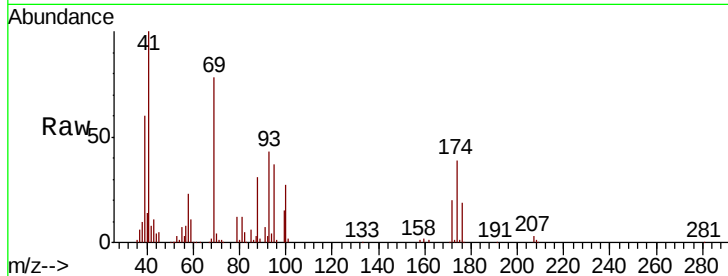




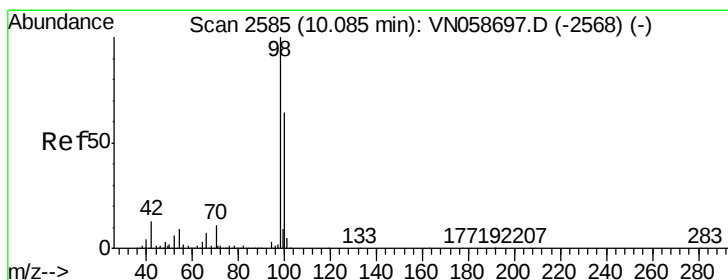
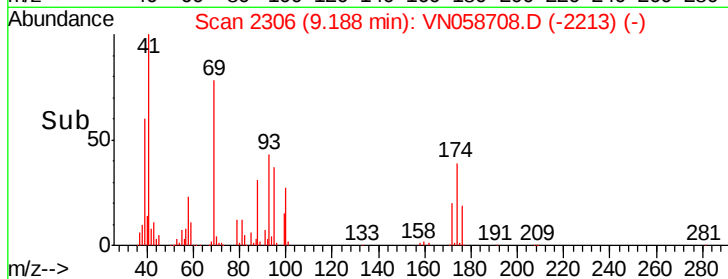
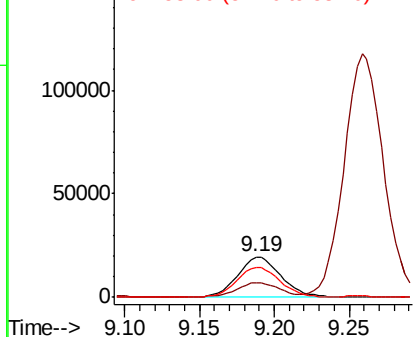
#49
 1,4-Dioxane
 Concen: 421.279 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 39315
 Ion Ratio Lower Upper
 88 100
 43 37.0 28.6 43.0
 58 74.9 57.2 85.8

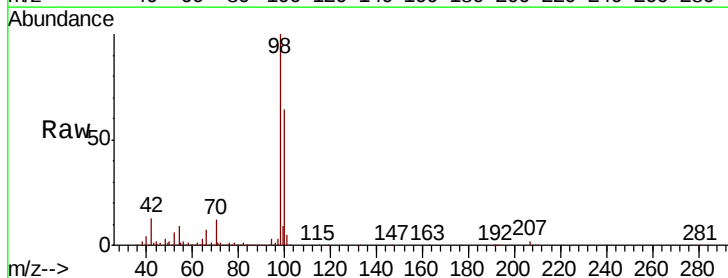


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

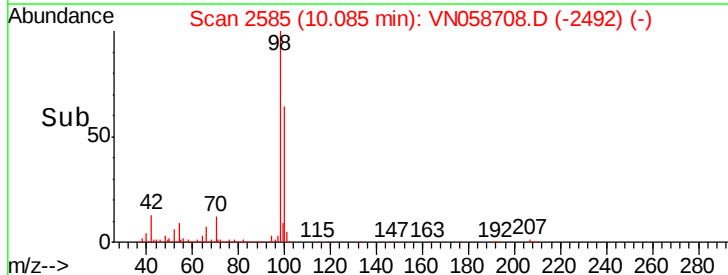
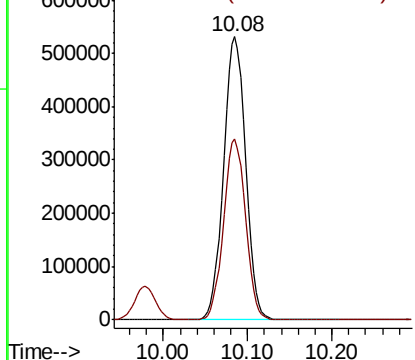


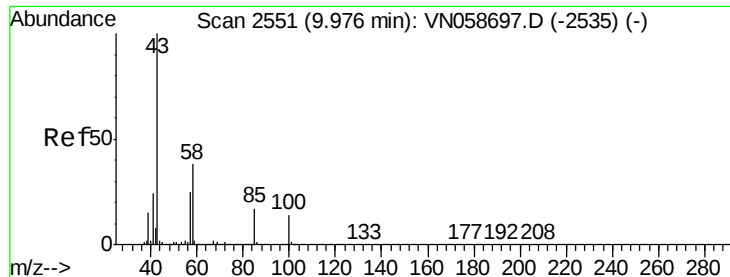
#50
 Toluene-d8
 Concen: 51.118 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 98 Resp: 964604
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 109.392 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

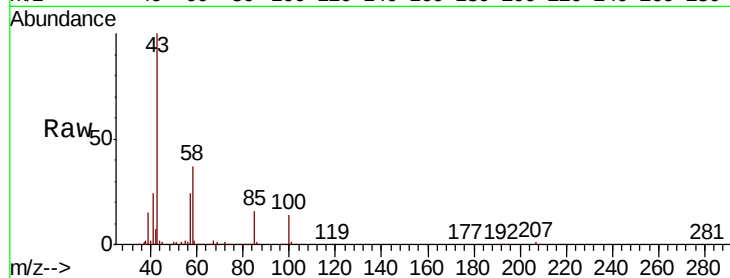
ClientSampleId :

Tot Ion: 43 Resp: 817577

Ion Ratio Lower Upper

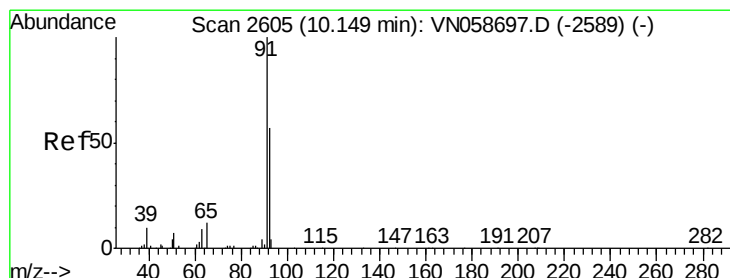
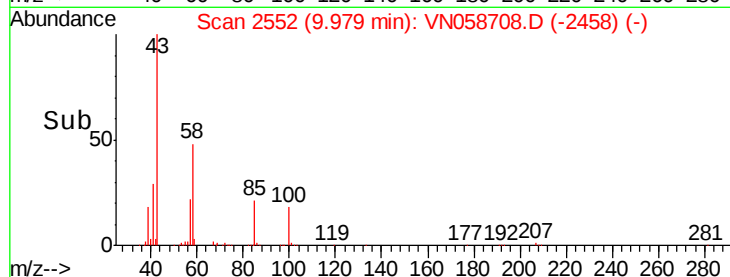
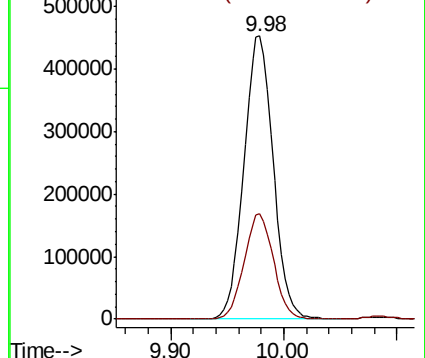
43 100

58 37.2 30.3 45.5



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

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 20.066 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058708.D

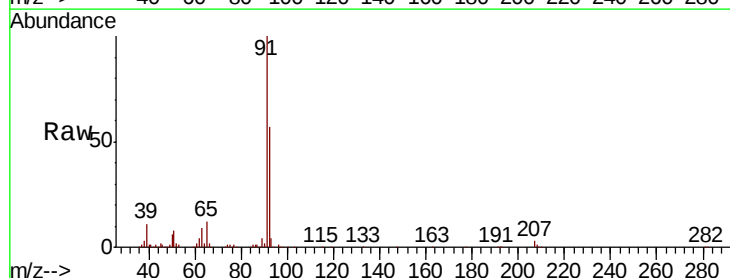
Acq: 11 Oct 2019 17:04

Tgt Ion: 92 Resp: 272259

Ion Ratio Lower Upper

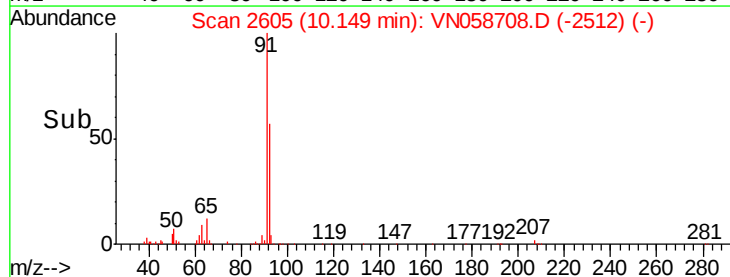
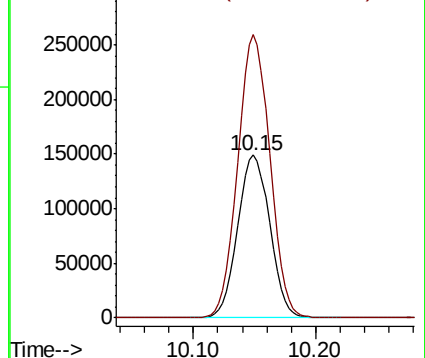
92 100

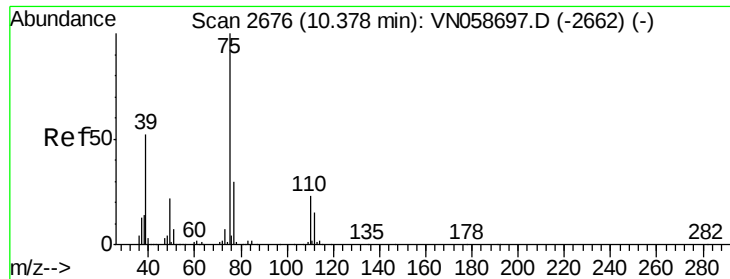
91 173.6 139.1 208.7



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

Ion 91.00 (90.70 to 91.70): VN058697.D





#53

t-1,3-Dichloropropene

Concen: 19.879 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

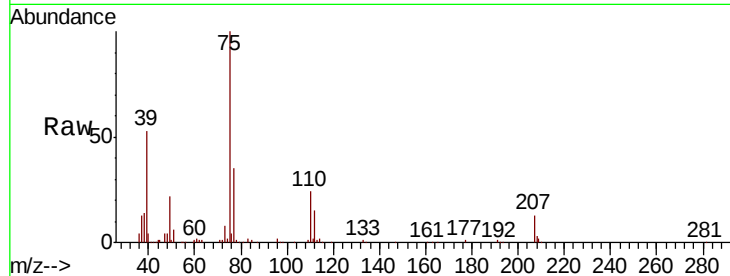
ClientSampled :

Tot Ion: 75 Resp: 174816

Ion Ratio Lower Upper

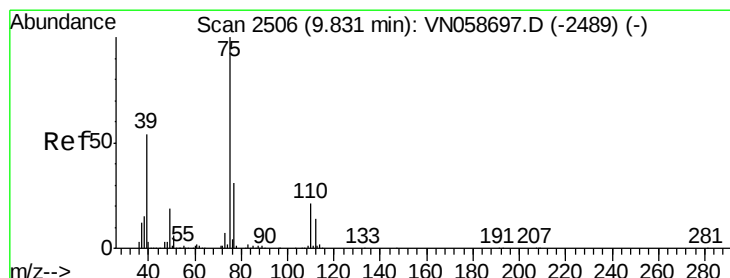
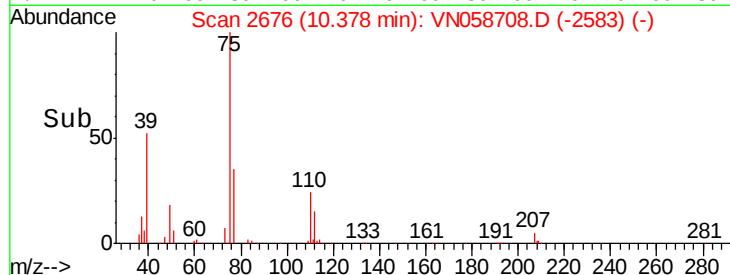
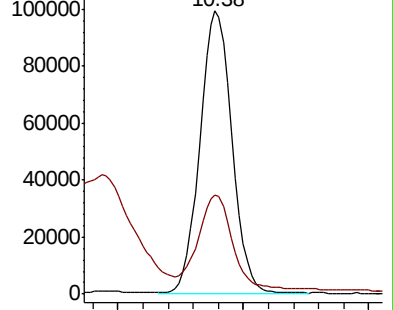
75 100

77 33.1 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.407 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

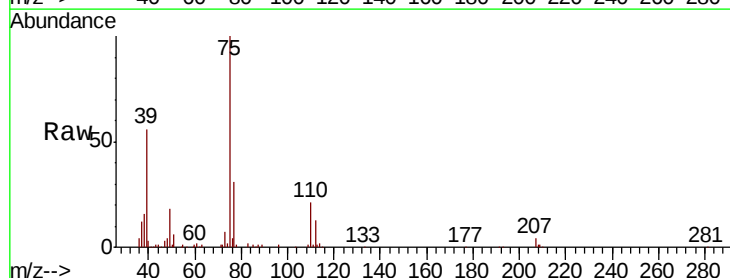
Tgt Ion: 75 Resp: 190535

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

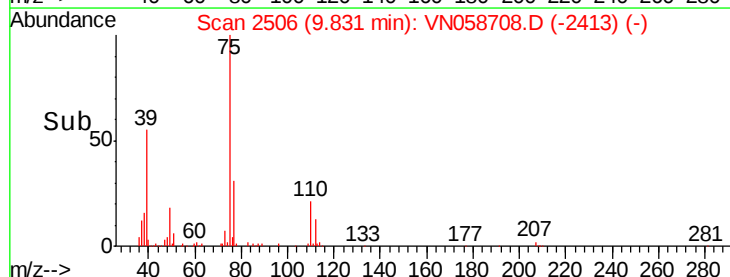
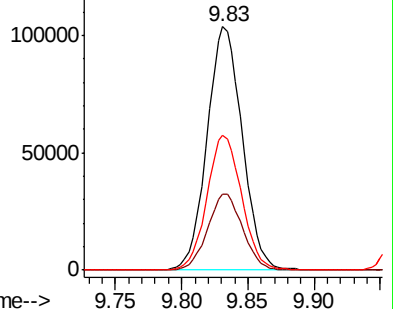
39 55.3 43.1 64.7

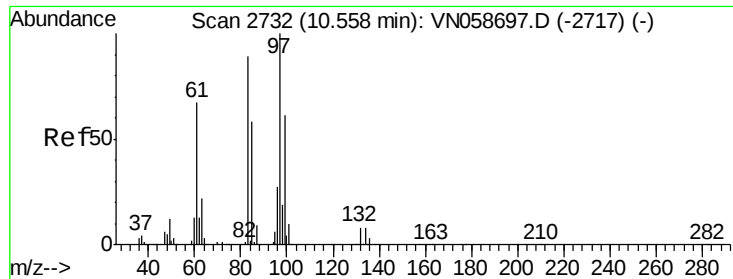


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

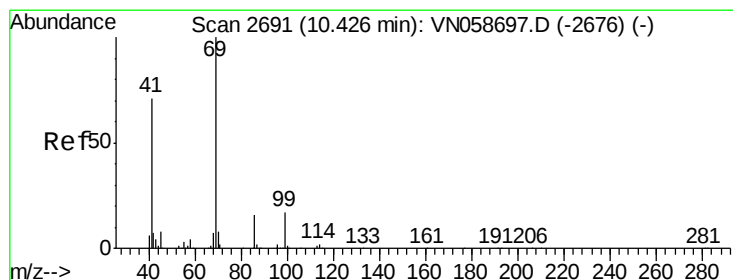
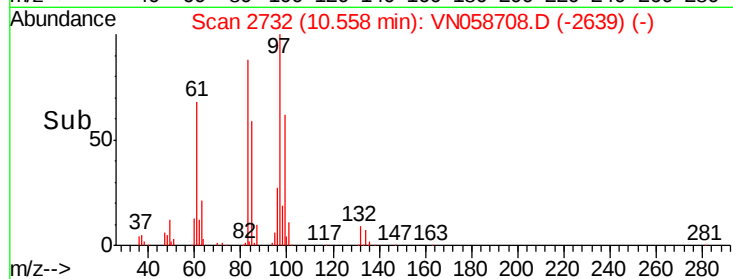
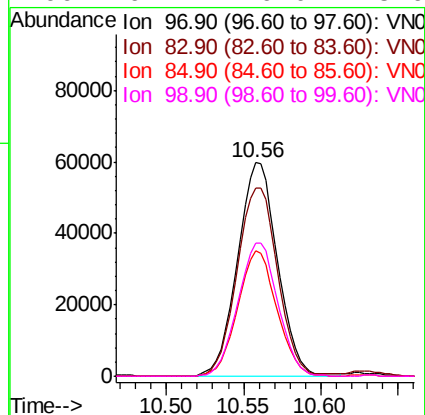
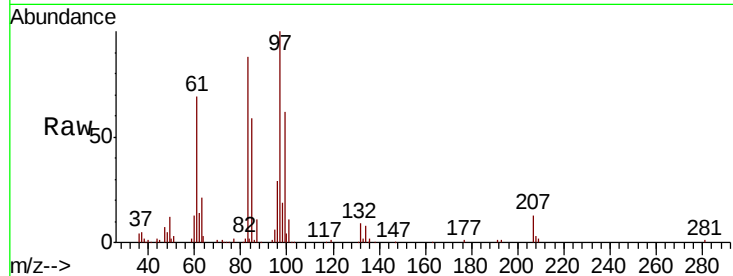




#55
 1,1,2-Trichloroethane
 Concen: 19.310 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

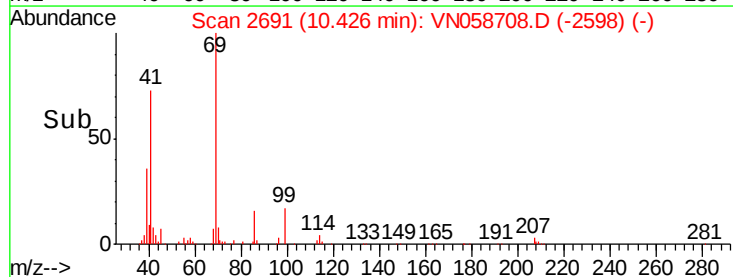
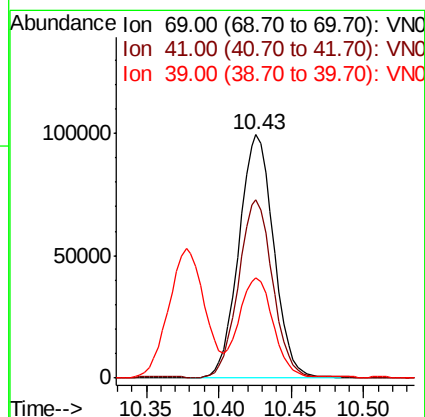
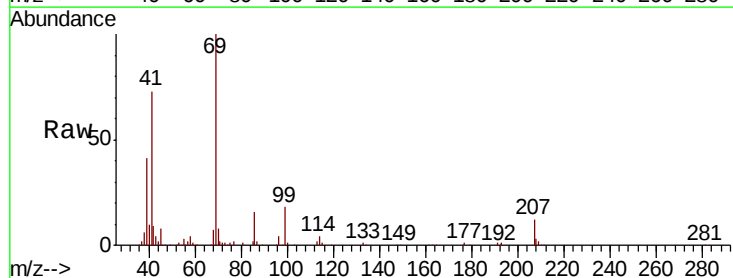
Instrument :
 MSVOA_N
 ClientSampleId :

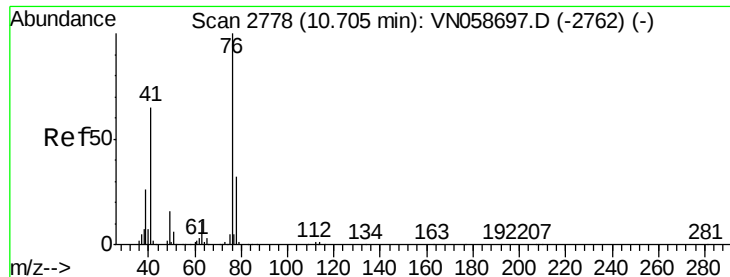
Tot Ion:	97	Resp:	107235
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.2	106.8
85	58.5	46.7	70.1
99	62.2	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 20.447 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion:	69	Resp:	165890
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.8	85.2
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.336 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

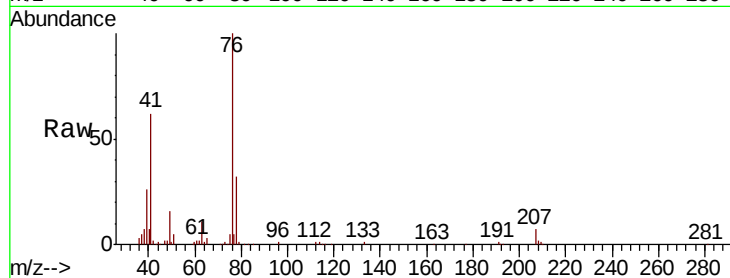
ClientSampleId :

Tot Ion: 76 Resp: 192447

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

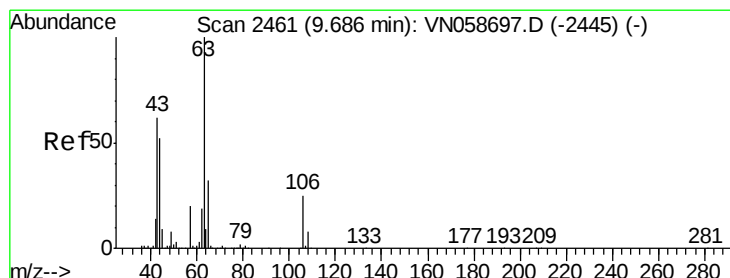
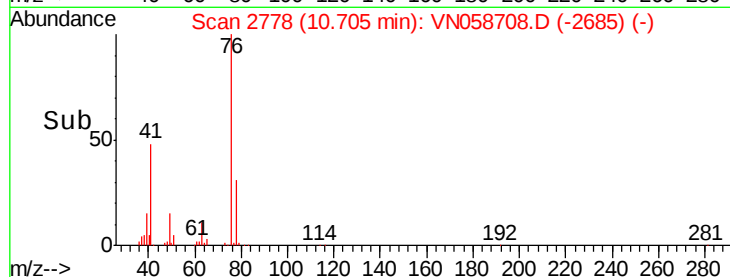
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 108.874 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058708.D

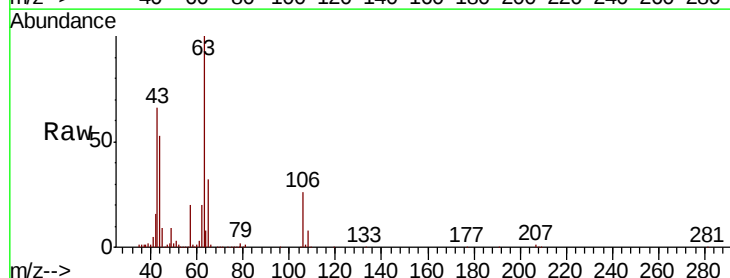
Acq: 11 Oct 2019 17:04

Tgt Ion: 63 Resp: 425685

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

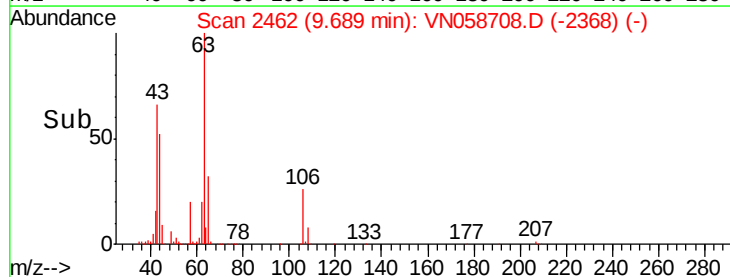
150000

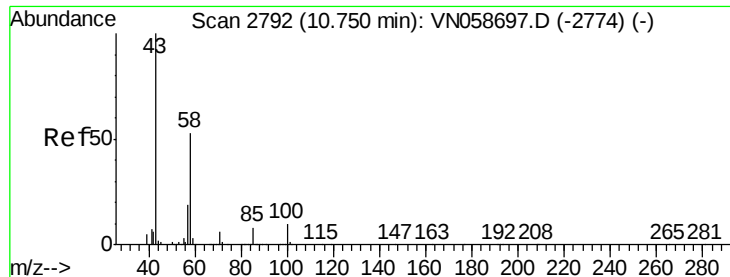
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

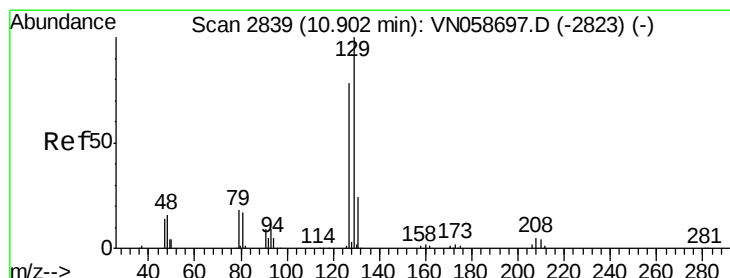
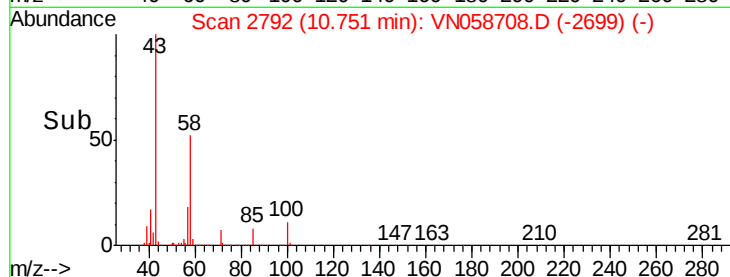
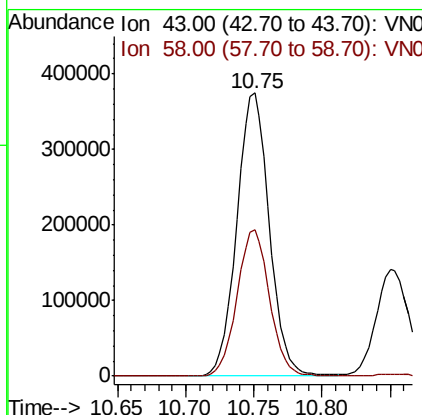
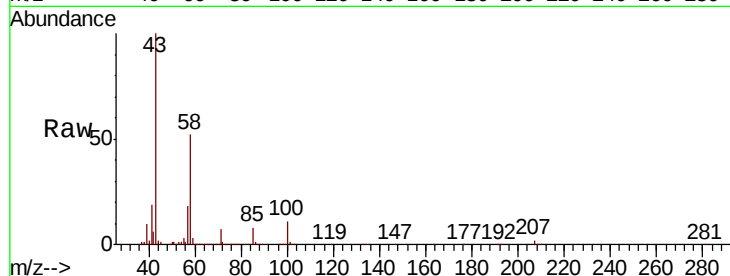




#59
2-Hexanone
Concen: 107.015 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

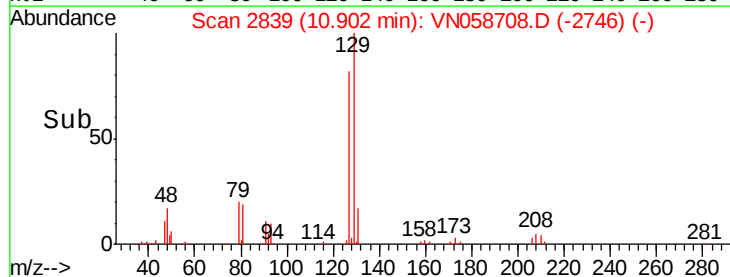
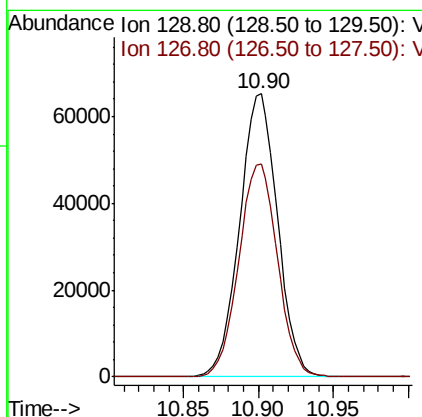
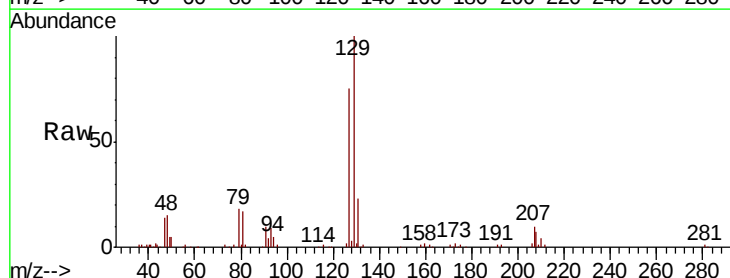
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 618099
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.3



#60
Dibromochloromethane
Concen: 20.129 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 129 Resp: 115316
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3

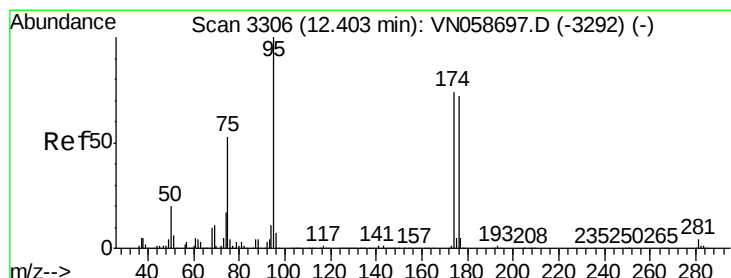
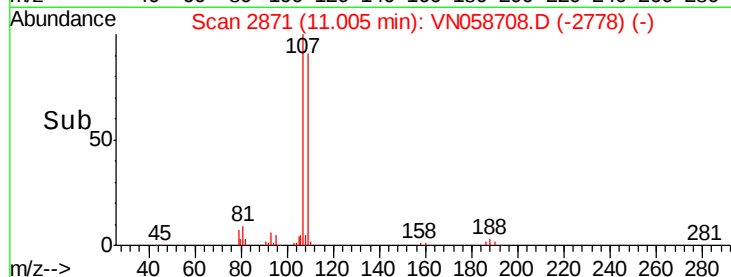
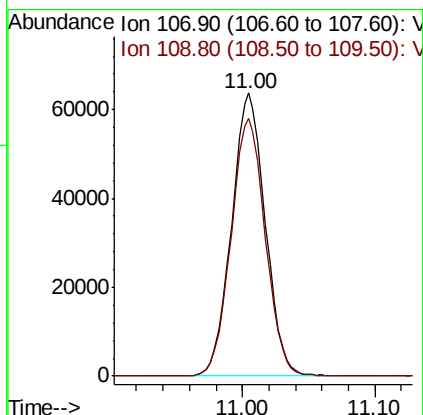
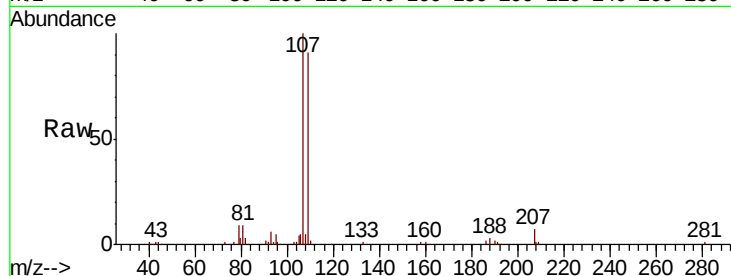




#61
 1,2-Dibromoethane
 Concen: 20.146 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

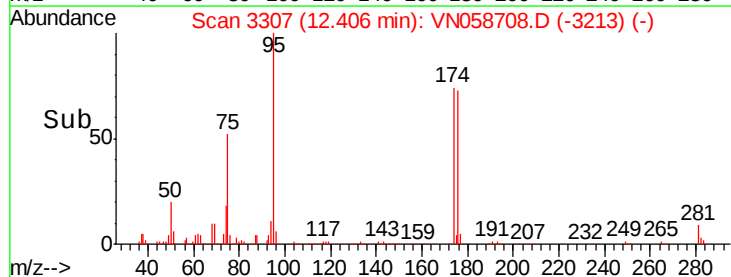
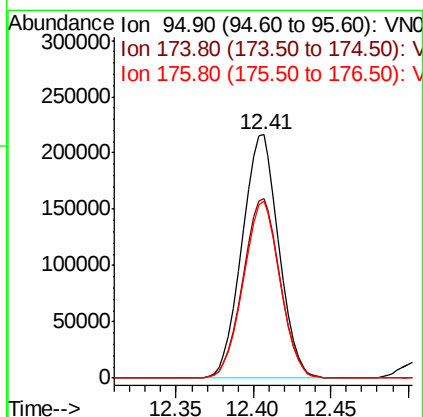
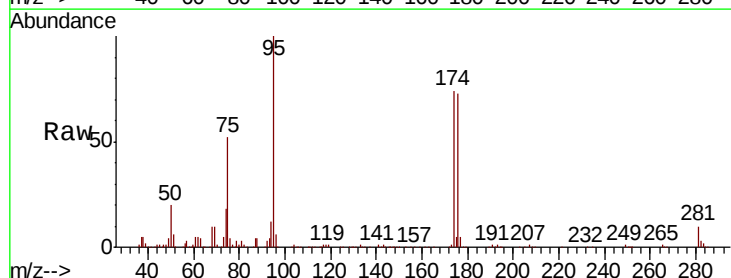
Instrument :
 MSVOA_N
 ClientSampleId :

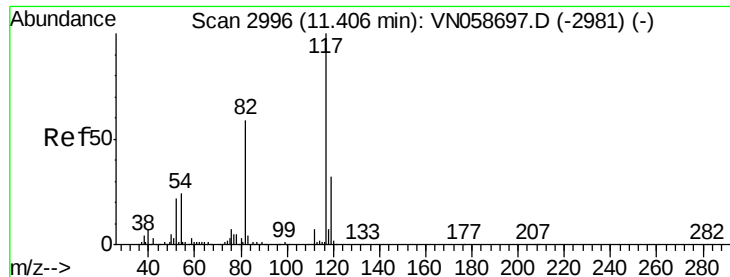
Tot Ion: 107 Resp: 112084
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.024 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 95 Resp: 357317
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 150.4
 176 72.7 0.0 146.8

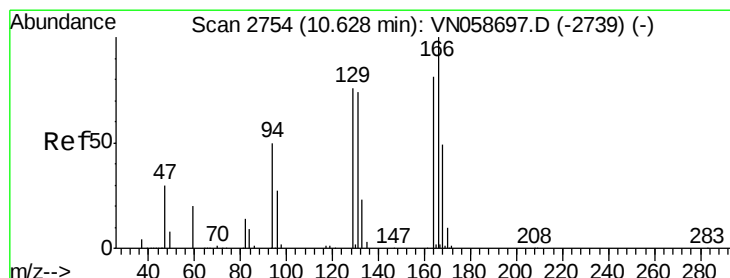
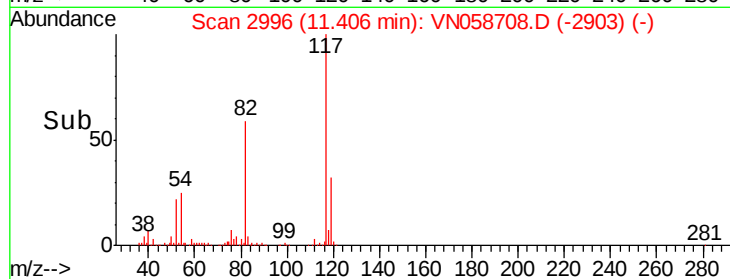
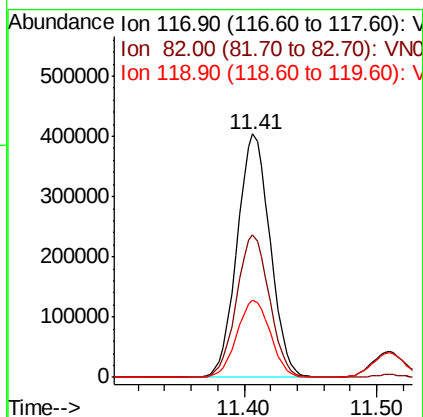
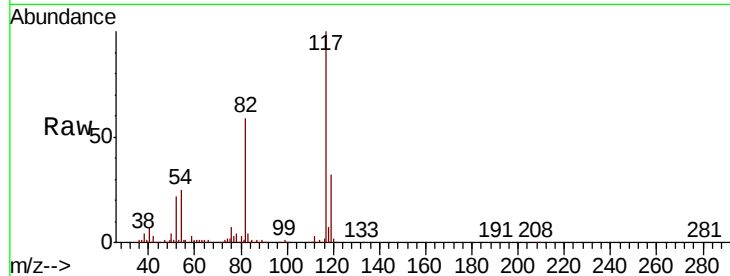




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

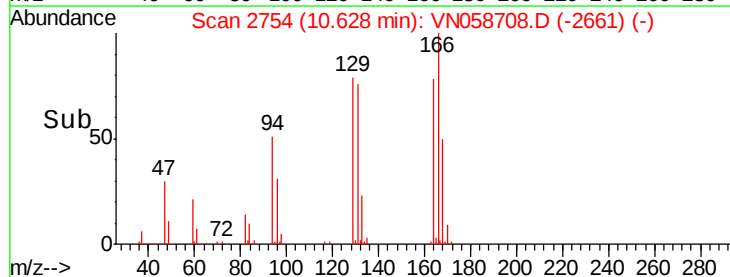
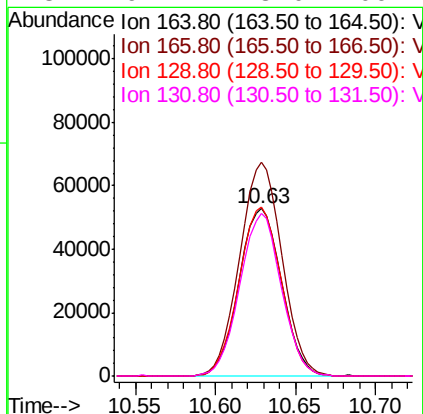
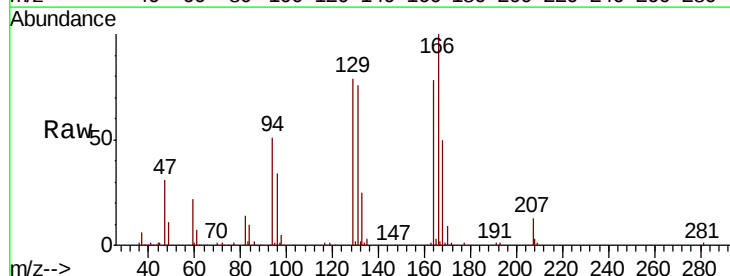
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 696757
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 19.691 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion:164 Resp: 96015
Ion Ratio Lower Upper
164 100
166 127.5 99.3 148.9
129 100.7 75.2 112.8
131 97.4 73.0 109.4

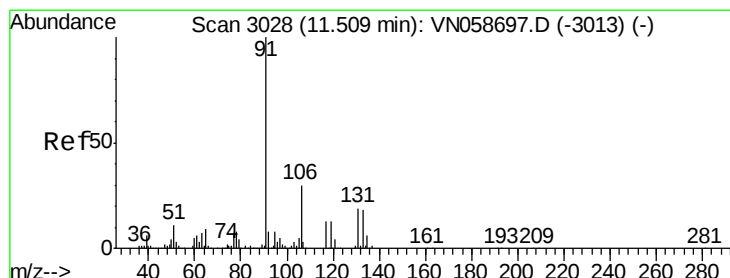
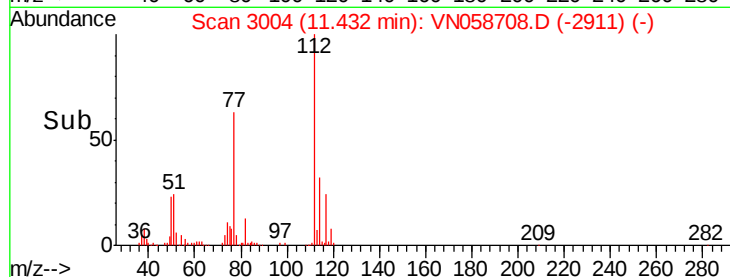
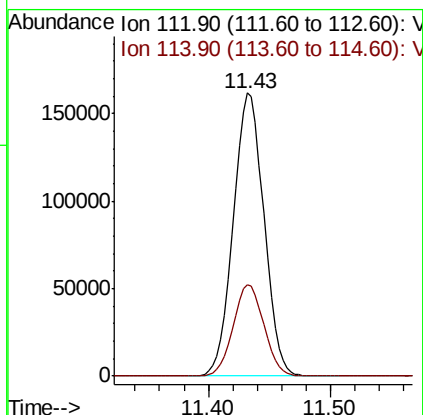
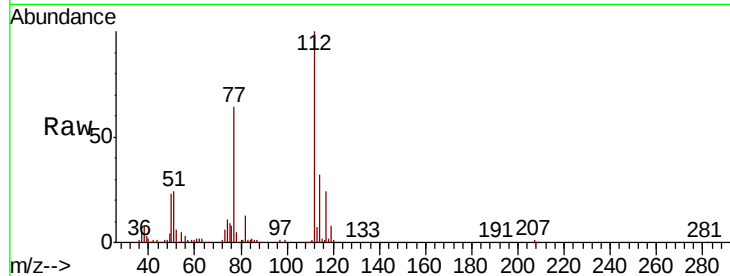




#65
Chlorobenzene
Concen: 19.946 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

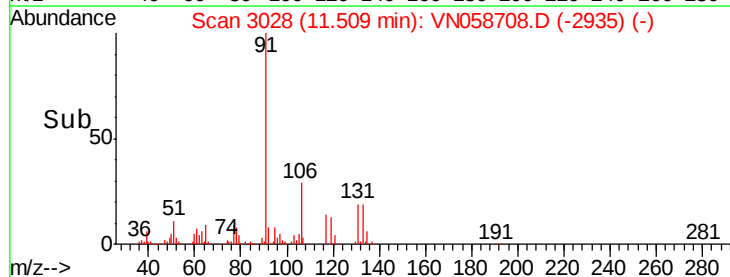
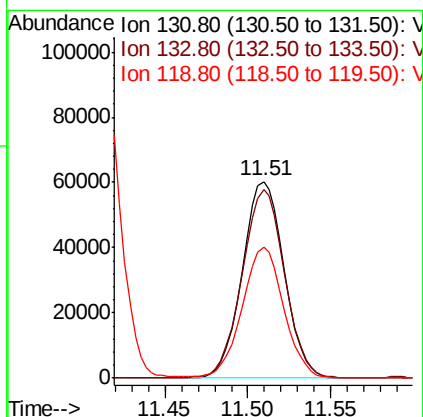
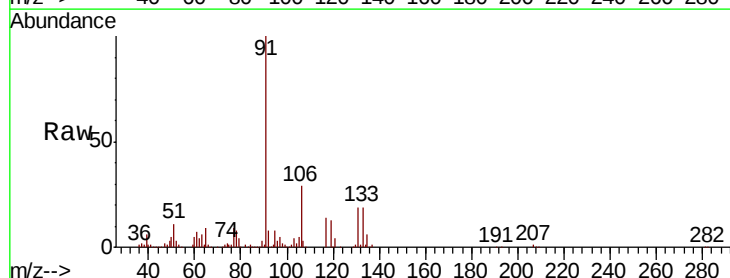
Instrument :
MSVOA_N
ClientSampleId :

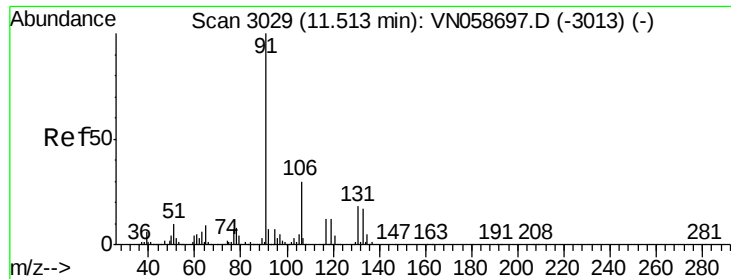
Tot Ion:112 Resp: 282231
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.237 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion:131 Resp: 105883
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.9
119 66.4 33.0 98.9





#67

Ethyl Benzene

Concen: 20.770 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

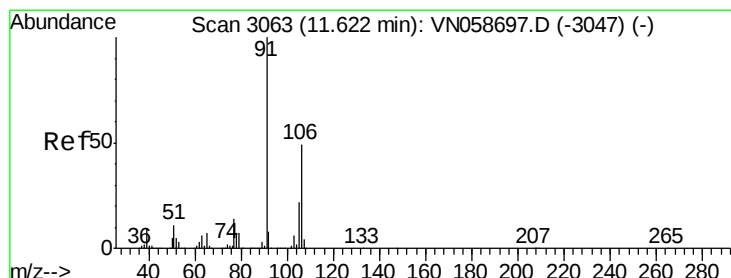
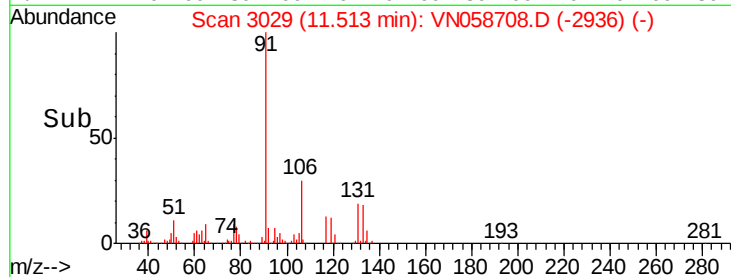
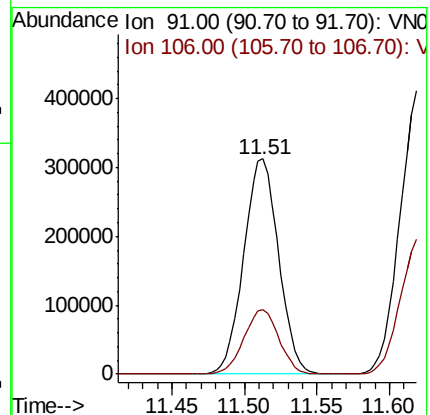
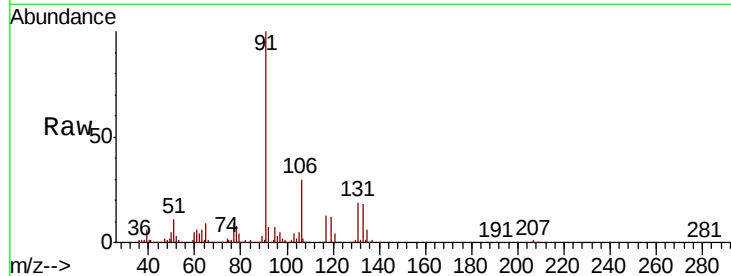
ClientSampleId :

Tot Ion: 91 Resp: 523884

Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1



#68

m/p-Xylenes

Concen: 40.758 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058708.D

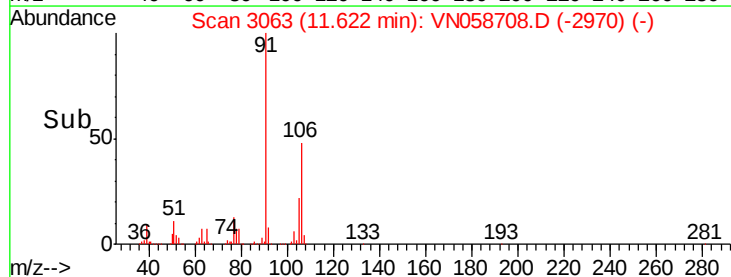
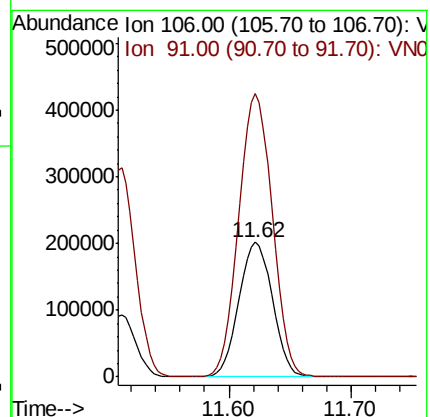
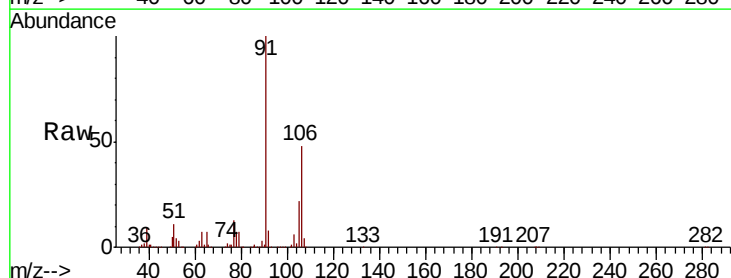
Acq: 11 Oct 2019 17:04

Tgt Ion: 106 Resp: 385797

Ion Ratio Lower Upper

106 100

91 210.6 165.7 248.5

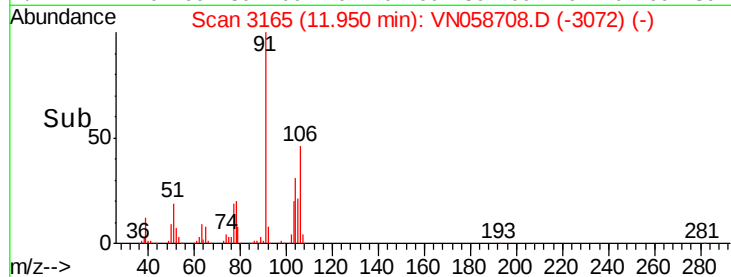
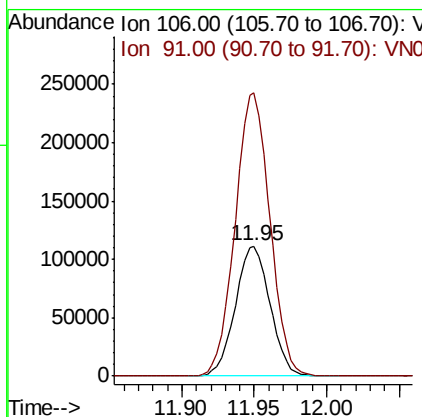
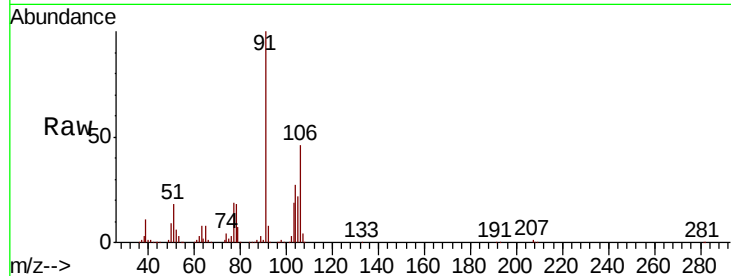




#69
o-Xylene
Concen: 20.223 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

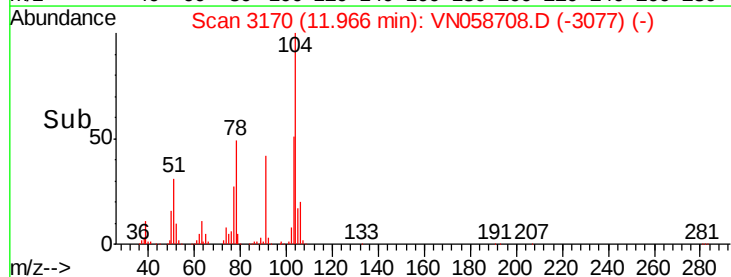
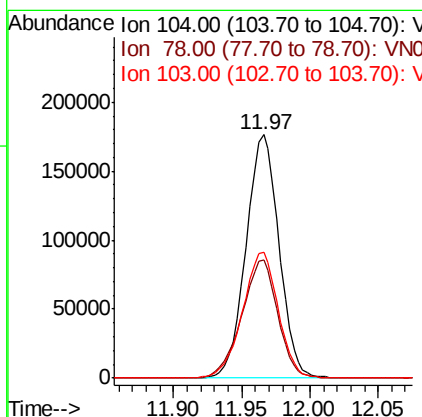
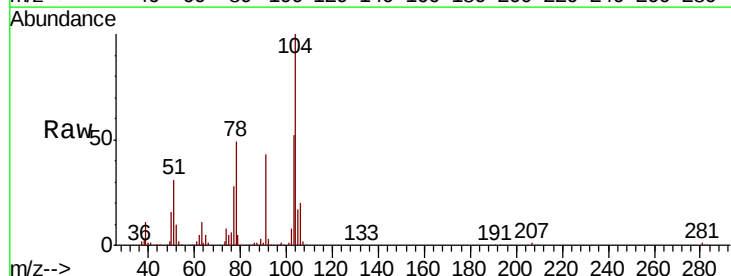
Instrument :
MSVOA_N
ClientSampled :

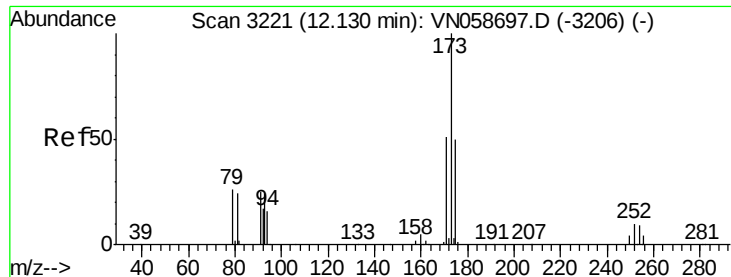
Tot Ion:106 Resp: 185207
Ion Ratio Lower Upper
106 100
91 218.0 110.9 332.9



#70
Styrene
Concen: 19.769 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion:104 Resp: 296733
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.2
103 56.1 43.7 65.5





#71

Bromoform

Concen: 20.386 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

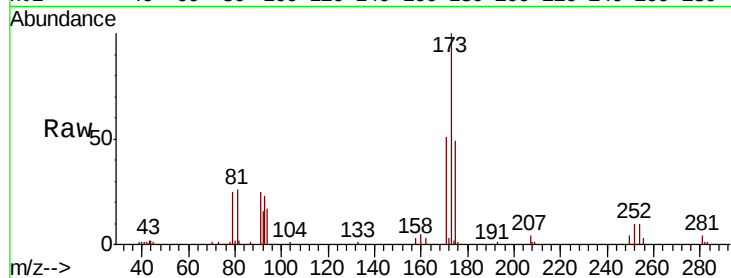
Tot Ion:173 Resp: 78184

Ion Ratio Lower Upper

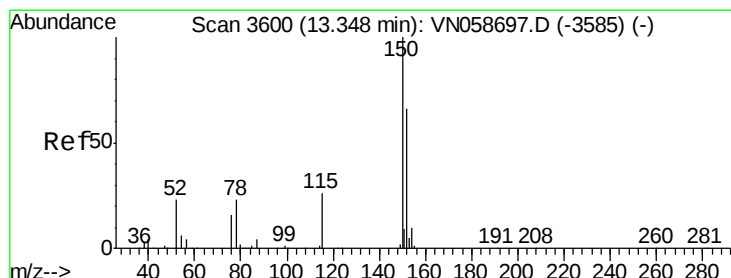
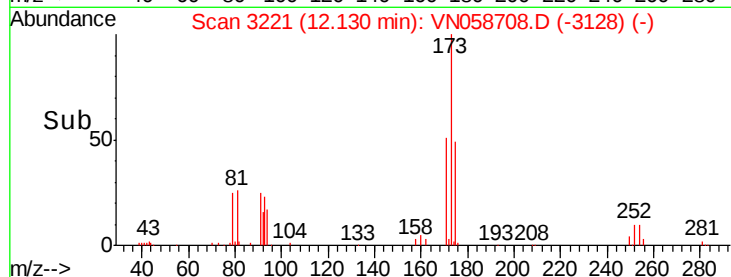
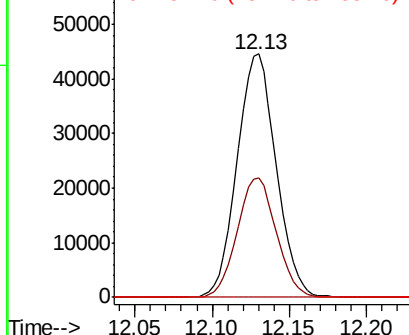
173 100

175 48.9 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: VN058708.D

Acq: 11 Oct 2019 17:04

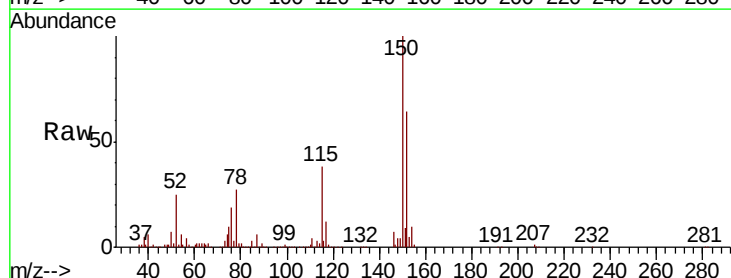
Tgt Ion:152 Resp: 334780

Ion Ratio Lower Upper

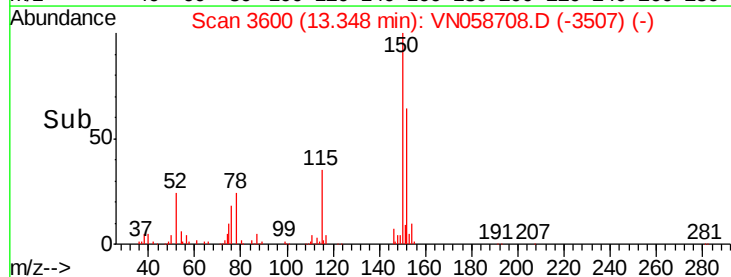
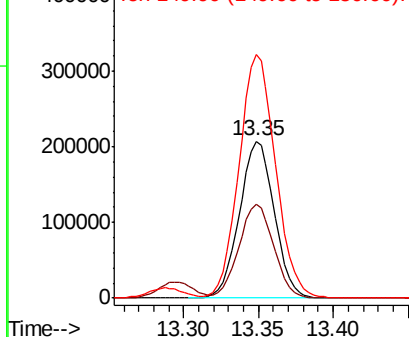
152 100

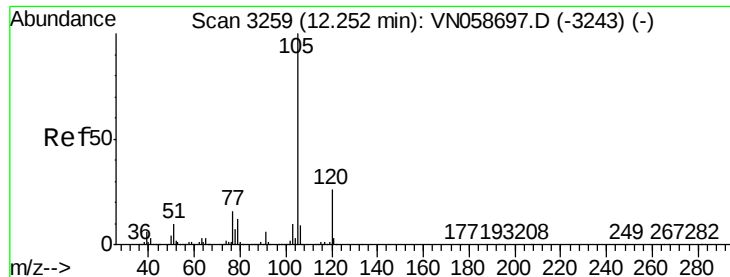
115 59.9 30.4 91.2

150 162.9 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: 20.857 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

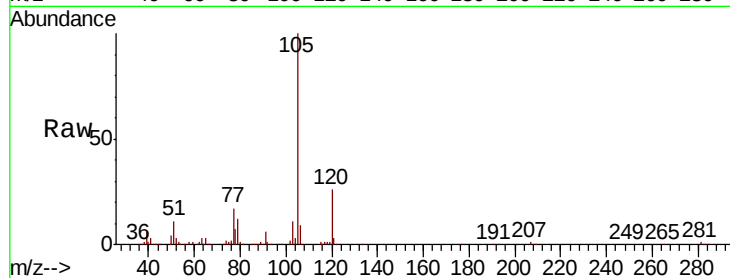
ClientSampleId :

Tot Ion:105 Resp: 505679

Ion Ratio Lower Upper

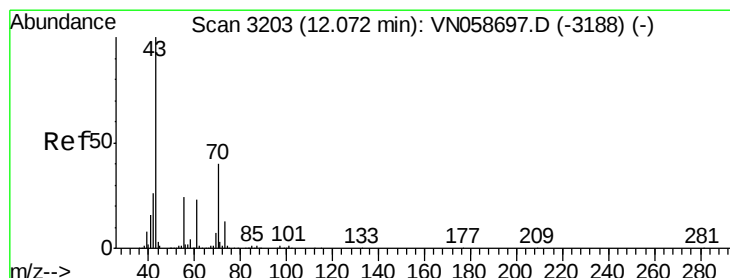
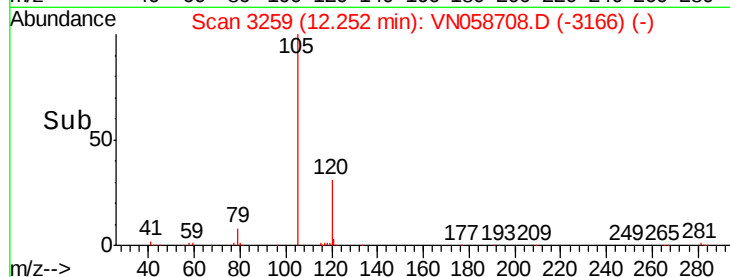
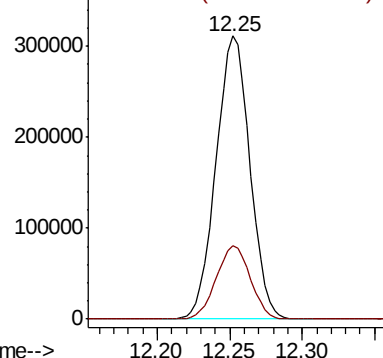
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.770 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Tgt Ion: 43 Resp: 226174

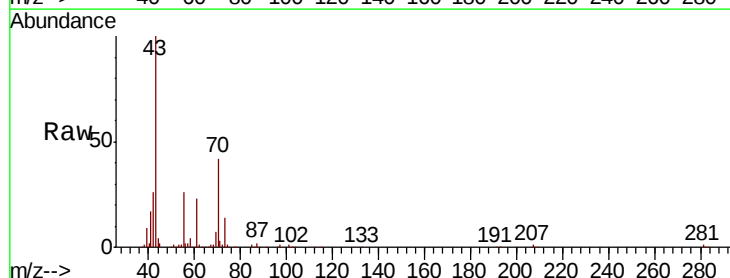
Ion Ratio Lower Upper

43 100

70 40.6 32.2 48.4

55 25.4 19.6 29.4

61 23.2 18.6 28.0

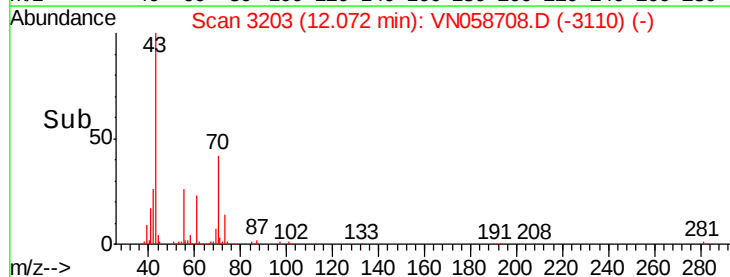
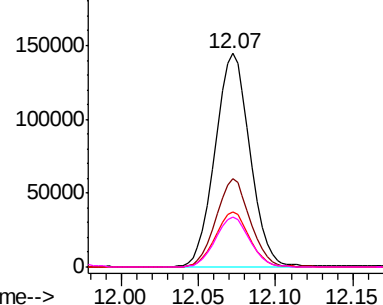


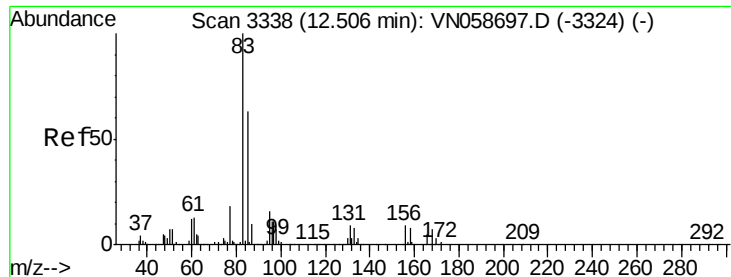
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.623 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

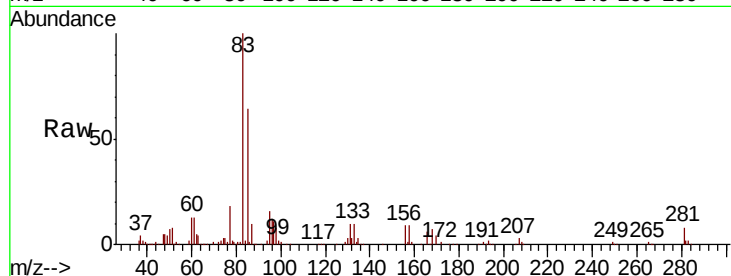
Tot Ion: 83 Resp: 164722

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

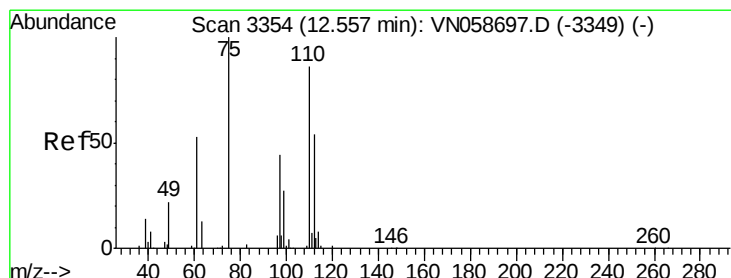
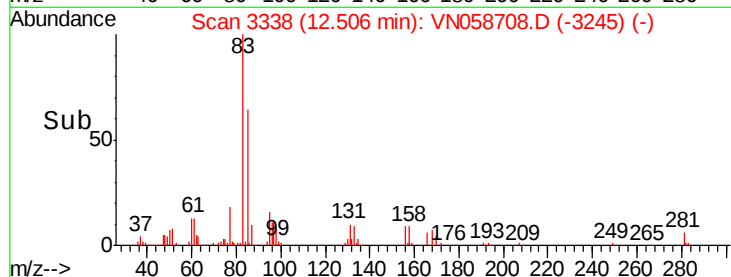
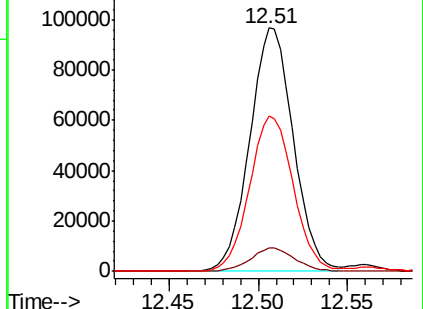
85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058708.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058708.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058708.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 29.936 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058708.D

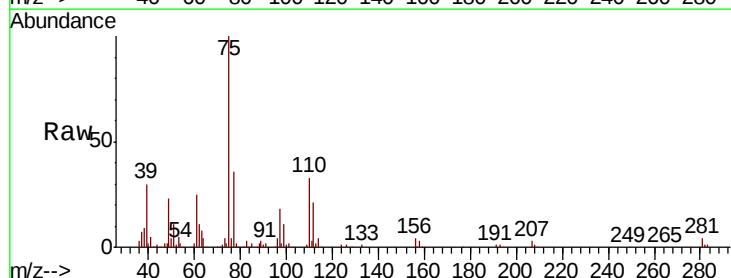
Acq: 11 Oct 2019 17:04

Tgt Ion: 75 Resp: 219856

Ion Ratio Lower Upper

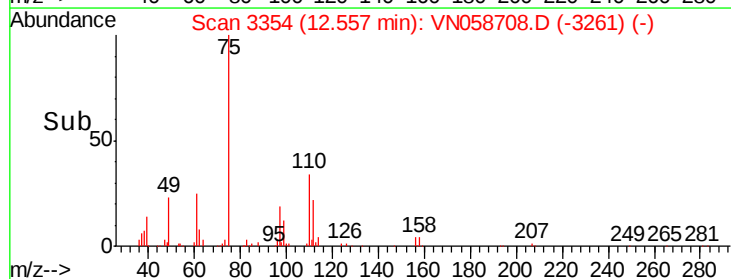
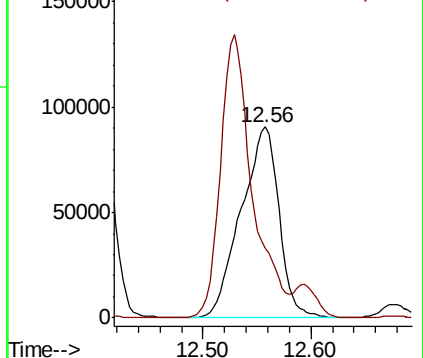
75 100

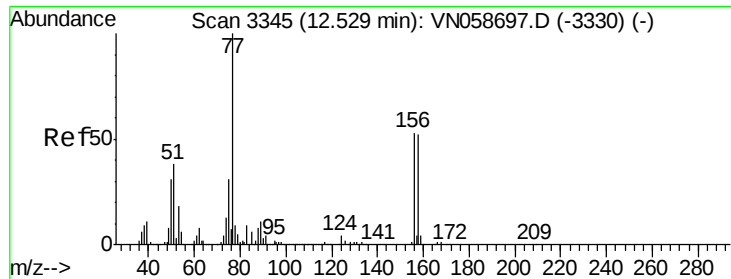
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058708.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058708.D (-3261) (-)





#77

Bromobenzene

Concen: 20.205 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

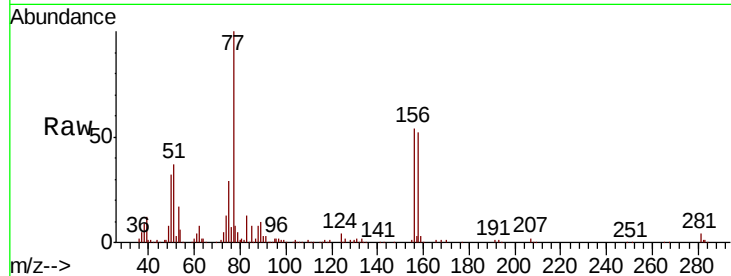
Tot Ion:156 Resp: 119158

Ion Ratio Lower Upper

156 100

77 232.1 115.8 347.3

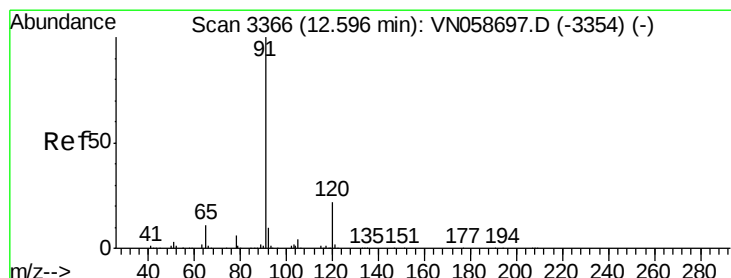
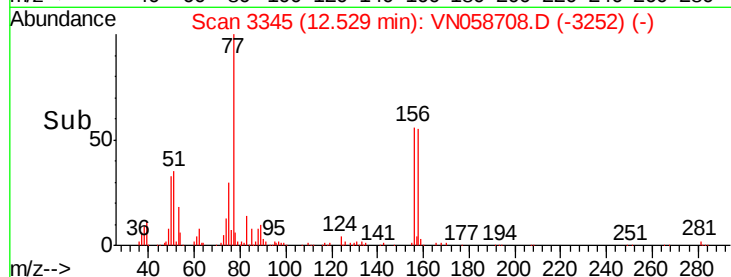
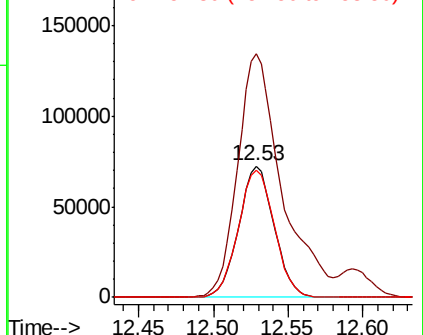
158 99.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.018 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058708.D

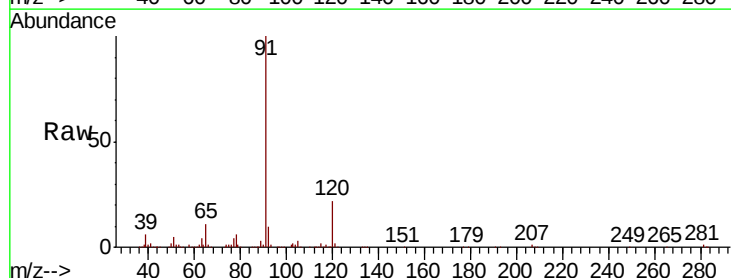
Acq: 11 Oct 2019 17:04

Tgt Ion: 91 Resp: 593800

Ion Ratio Lower Upper

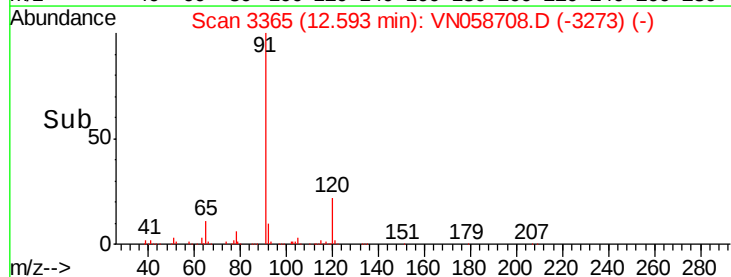
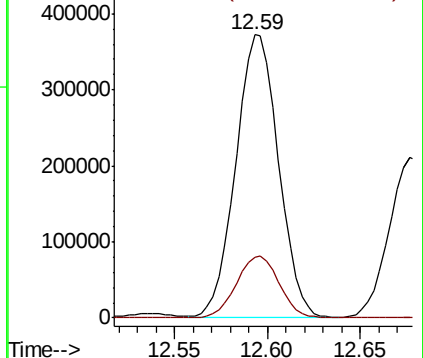
91 100

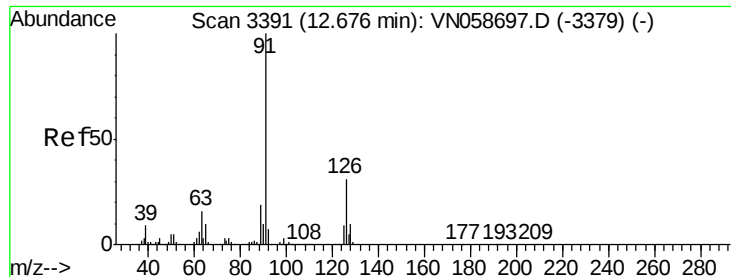
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

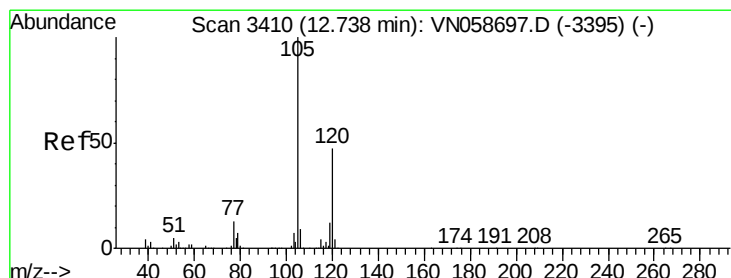
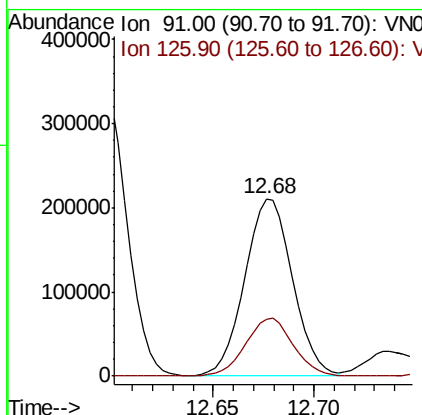
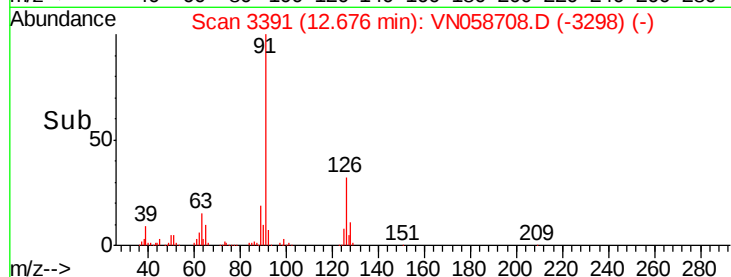
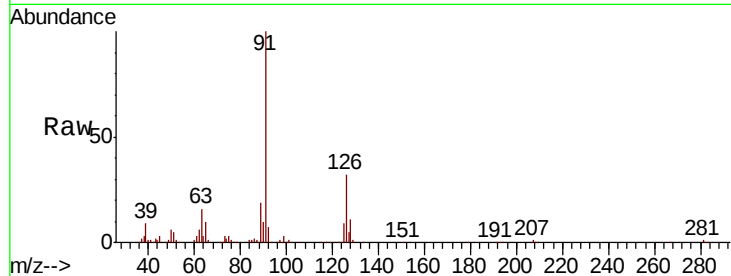




#79
 2-Chlorotoluene
 Concen: 19.813 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

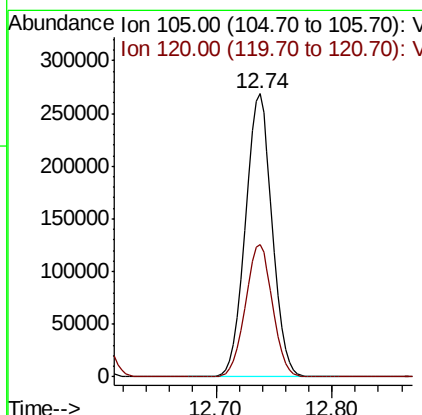
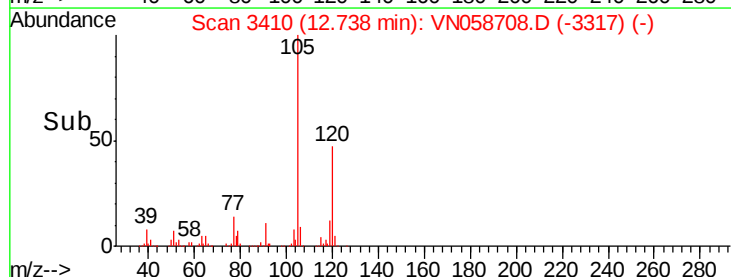
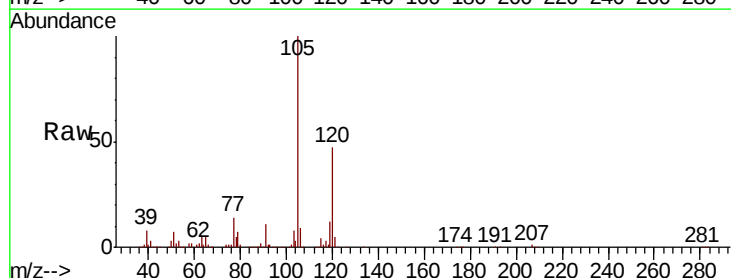
Instrument :
 MSVOA_N
 ClientSampled :

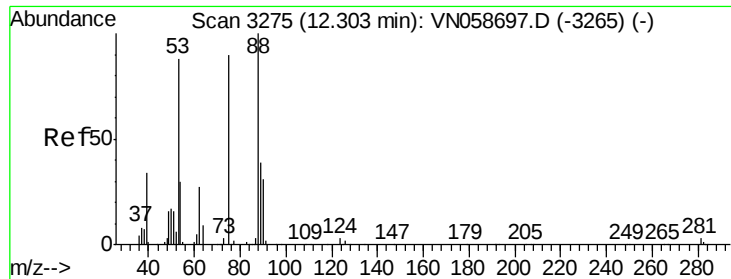
Tot Ion: 91 Resp: 347440
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.763 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion: 105 Resp: 429791
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.4 70.2

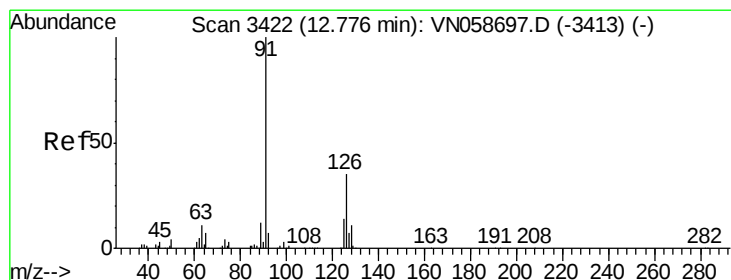
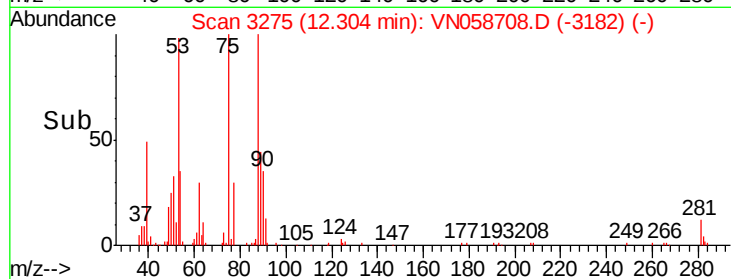
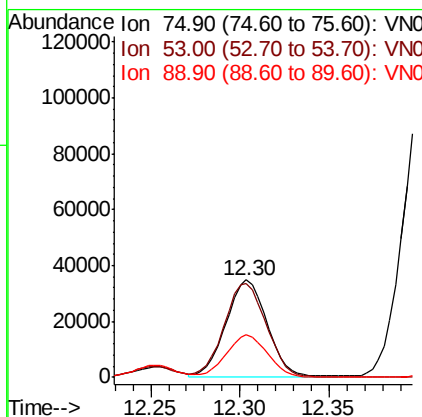
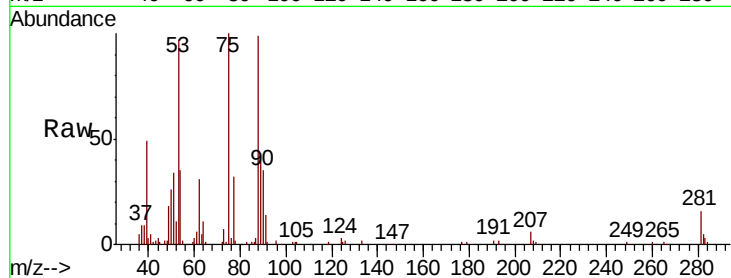




#81
trans-1,4-Dichloro-2-butene
Concen: 20.385 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

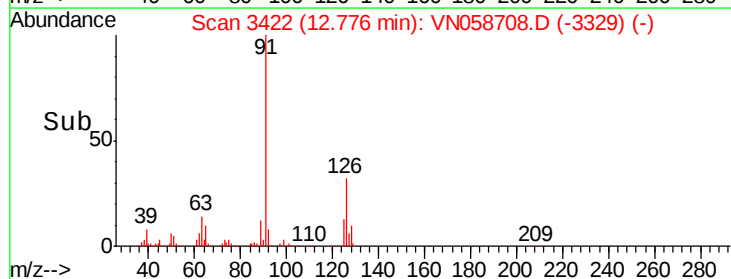
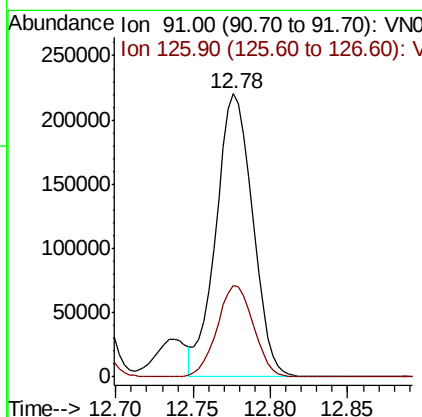
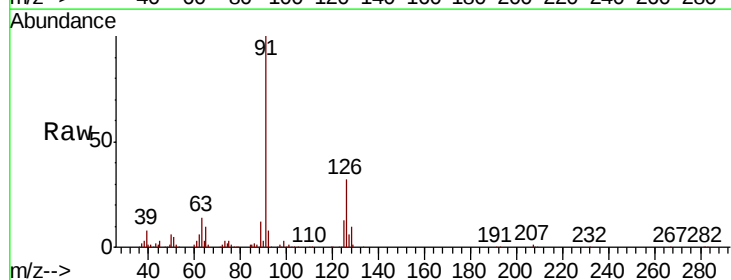
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 55890
Ion Ratio Lower Upper
75 100
53 100.0 78.4 117.6
89 43.5 34.9 52.3



#82
4-Chlorotoluene
Concen: 20.125 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion: 91 Resp: 362132
Ion Ratio Lower Upper
91 100
126 32.1 15.9 47.6

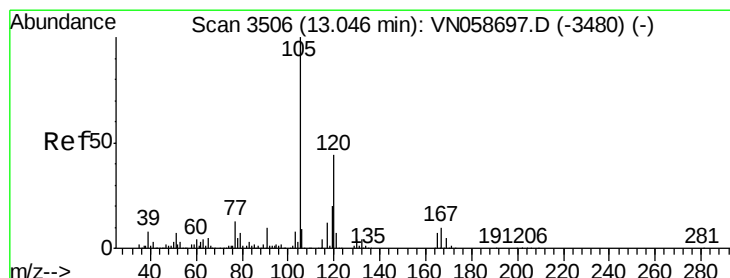
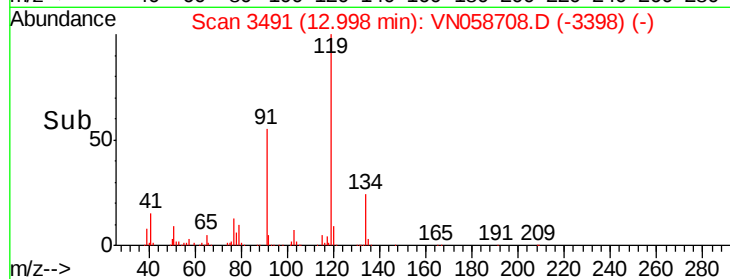
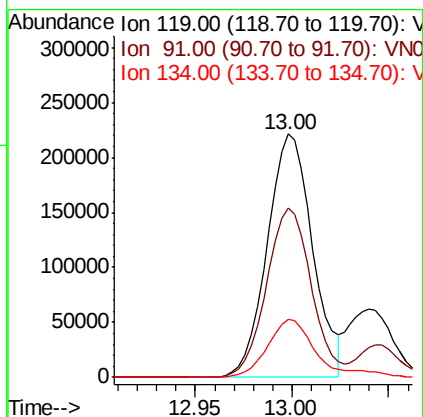
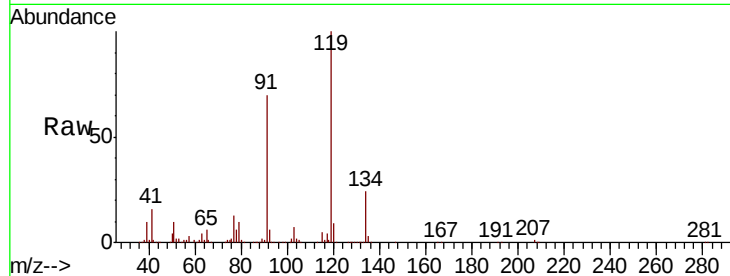




#83
tert-Butylbenzene
Concen: 20.332 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

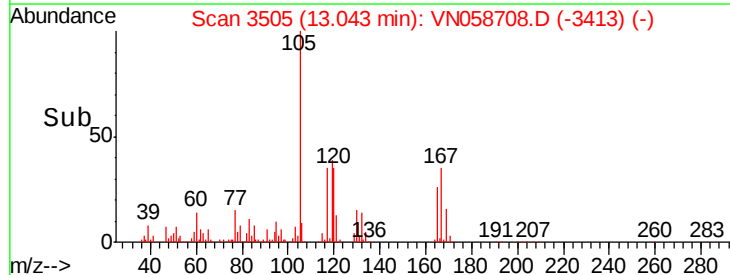
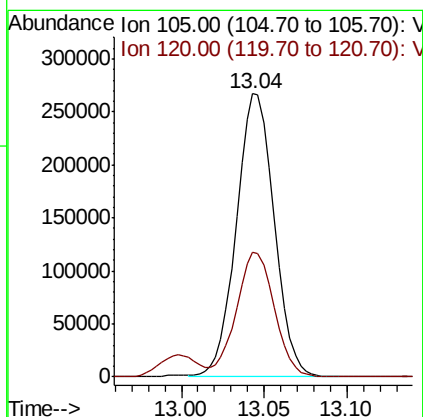
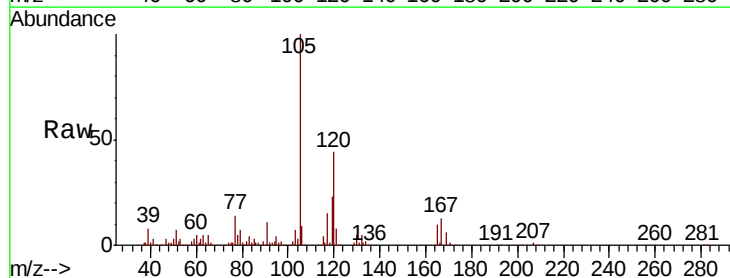
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 360544
Ion Ratio Lower Upper
119 100
91 68.6 33.8 101.3
134 25.8 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.548 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058708.D
Acq: 11 Oct 2019 17:04

Tgt Ion:105 Resp: 422232
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7

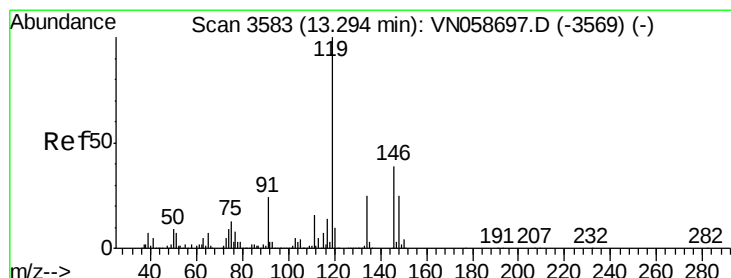
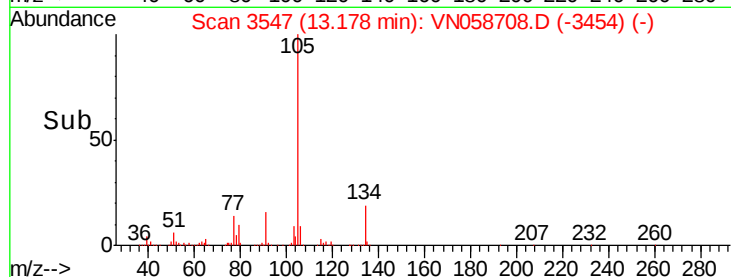
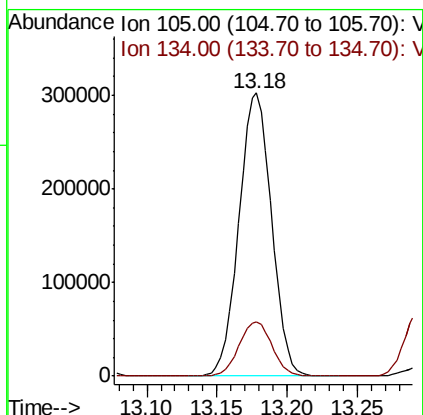
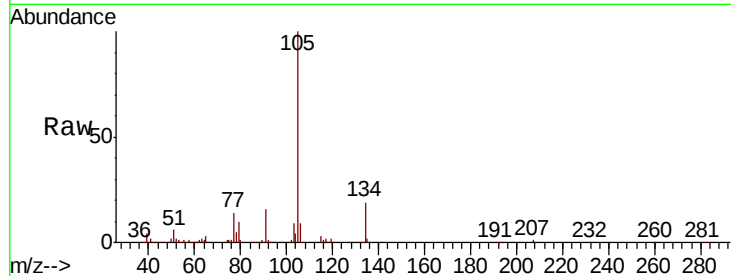




#85
 sec-Butylbenzene
 Concen: 20.907 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

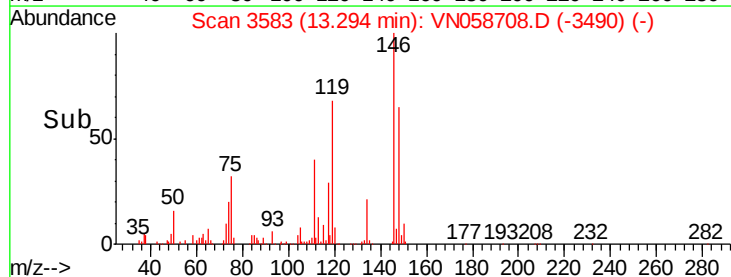
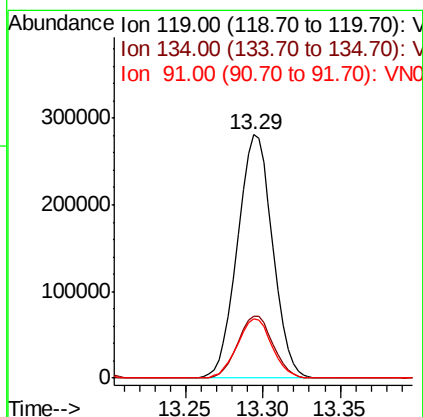
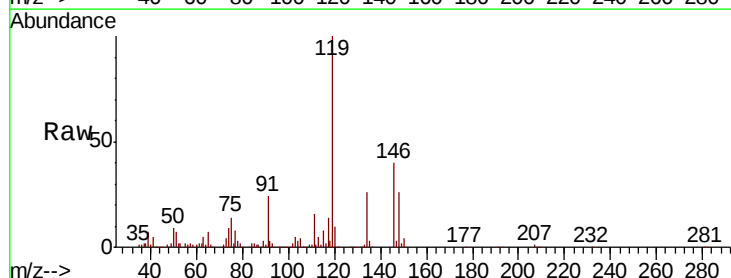
Instrument :
 MSVOA_N
 ClientSampled :

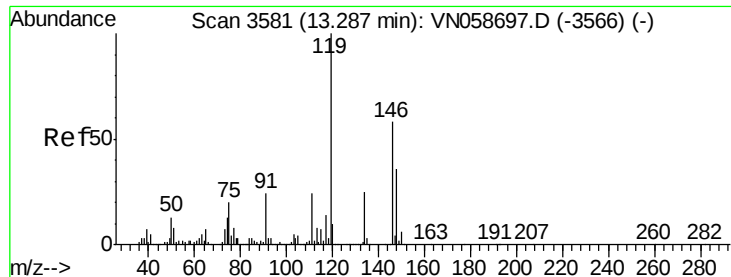
Tot Ion:105 Resp: 488512
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.759 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion:119 Resp: 440837
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.1
 91 24.4 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 19.436 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058708.D

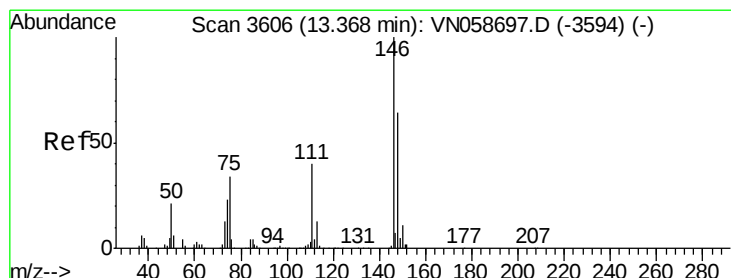
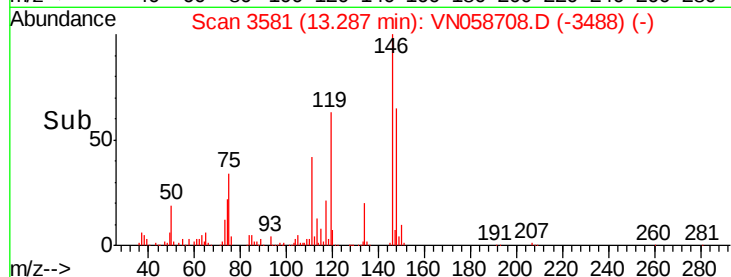
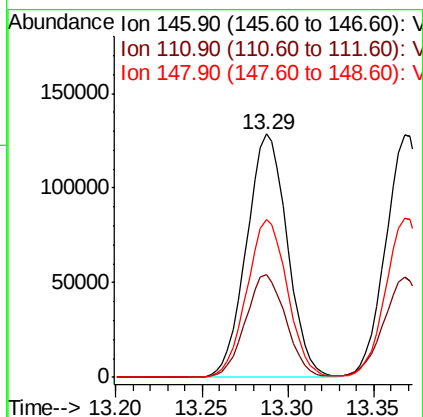
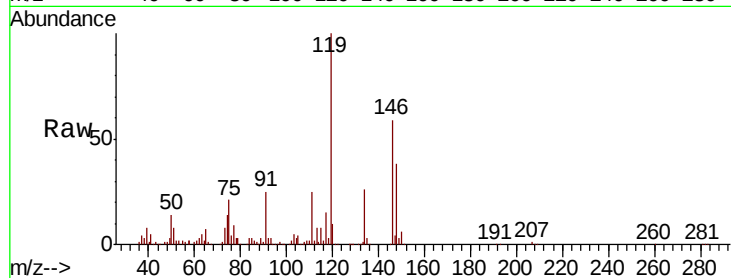
Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146	Resp:	211387
Ion Ratio	Lower	Upper
146	100	
111	41.8	20.5 61.6
148	64.7	31.3 93.9



#88

1,4-Dichlorobenzene

Concen: 19.169 ug/l

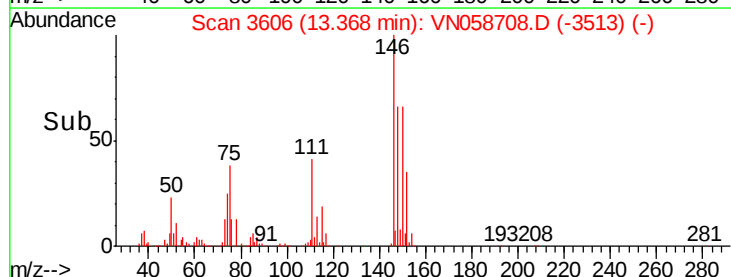
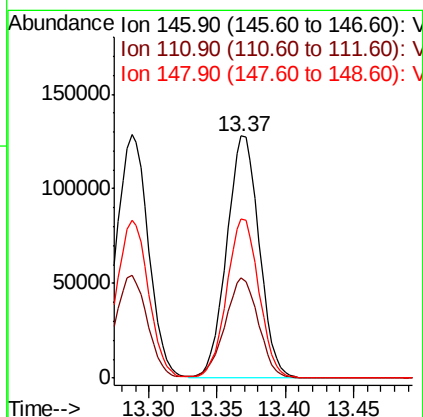
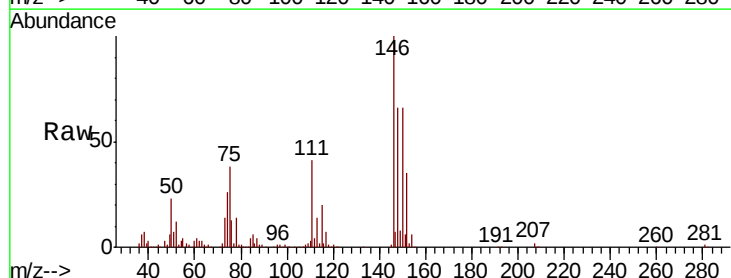
RT: 13.37 min Scan# 3606

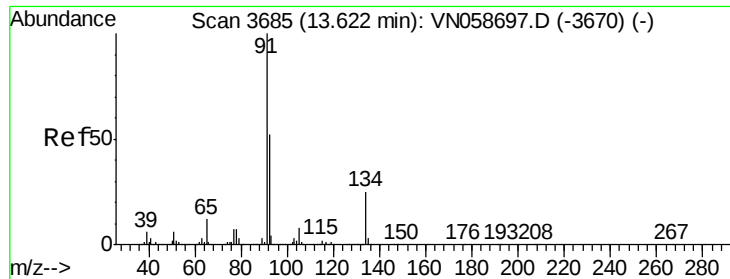
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Tgt Ion:146	Resp:	211972
Ion Ratio	Lower	Upper
146	100	
111	42.7	20.1 60.2
148	65.4	31.9 95.7





#89

n-Butylbenzene

Concen: 19.861 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

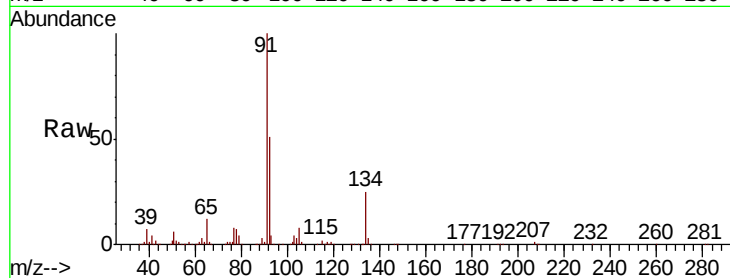
Tot Ion: 91 Resp: 389989

Ion Ratio Lower Upper

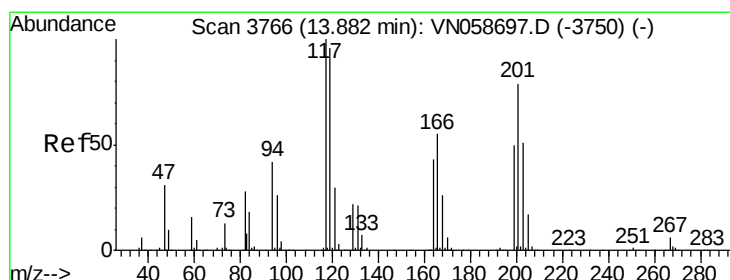
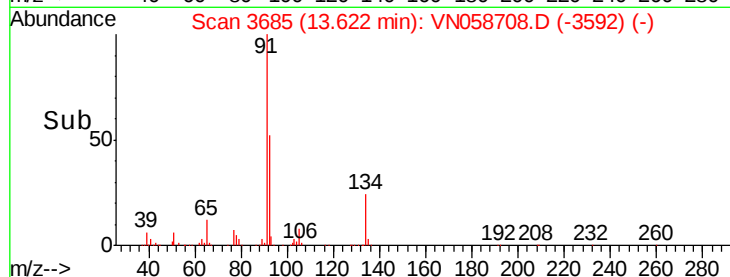
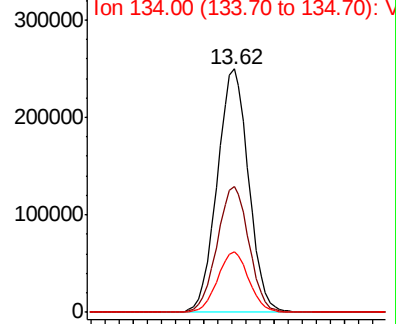
91 100

92 52.3 26.0 78.0

134 24.7 12.2 36.6



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



#90

Hexachloroethane

Concen: 20.355 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058708.D

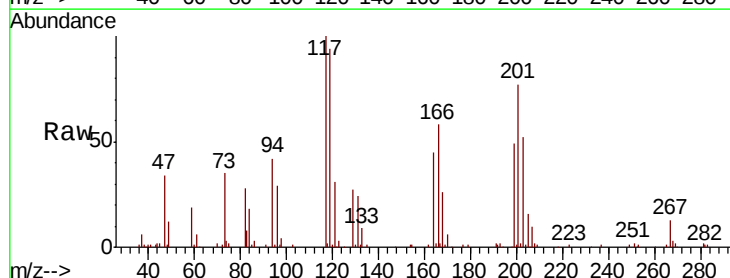
Acq: 11 Oct 2019 17:04

Tgt Ion: 117 Resp: 77346

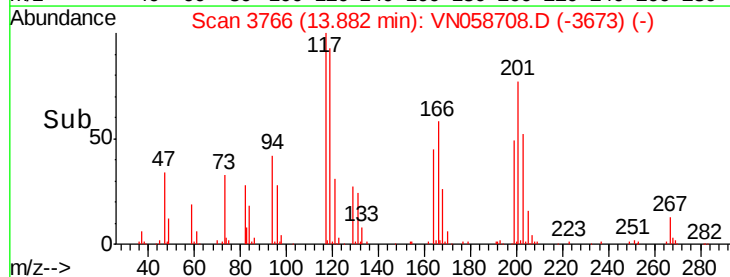
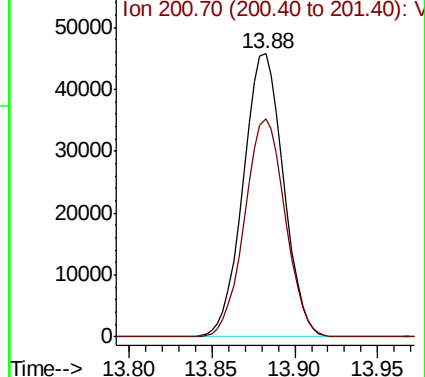
Ion Ratio Lower Upper

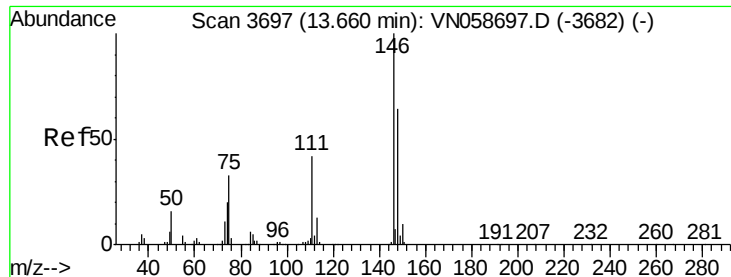
117 100

201 77.5 39.6 118.7



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





#91

1,2-Dichlorobenzene

Concen: 20.060 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

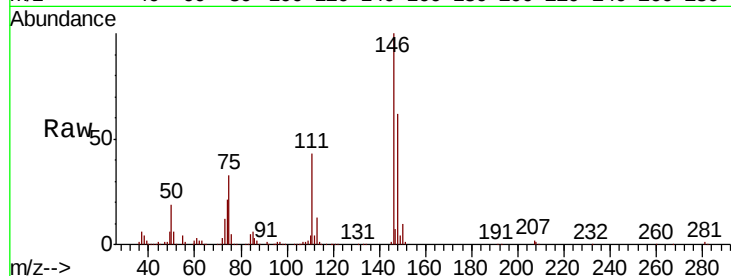
Tot Ion:146 Resp: 212636

Ion Ratio Lower Upper

146 100

111 43.6 21.1 63.4

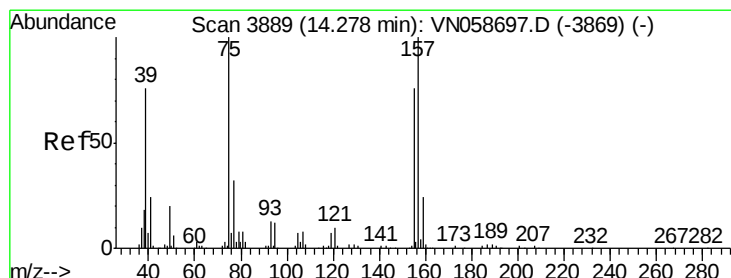
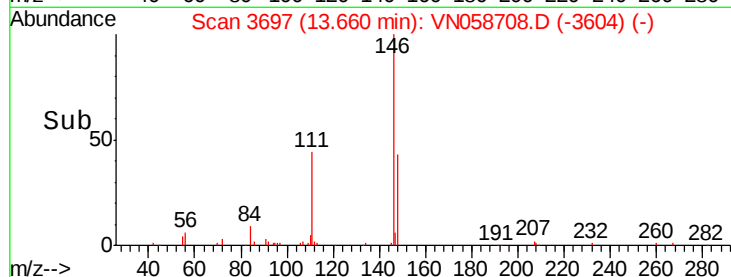
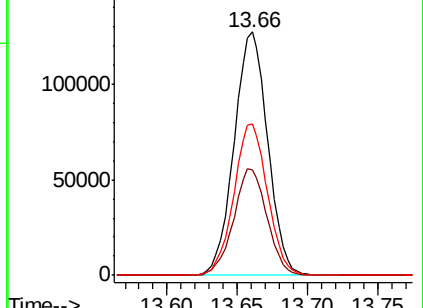
148 62.3 31.8 95.3



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: 19.798 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

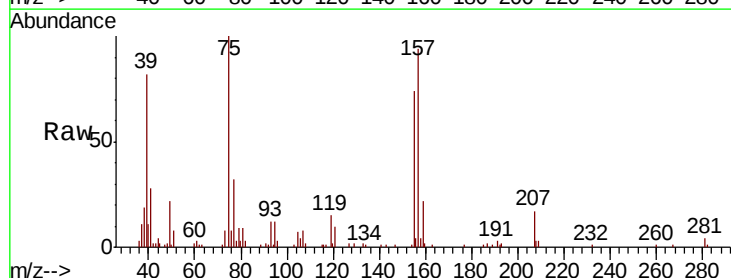
Tgt Ion: 75 Resp: 36943

Ion Ratio Lower Upper

75 100

155 73.4 37.9 113.6

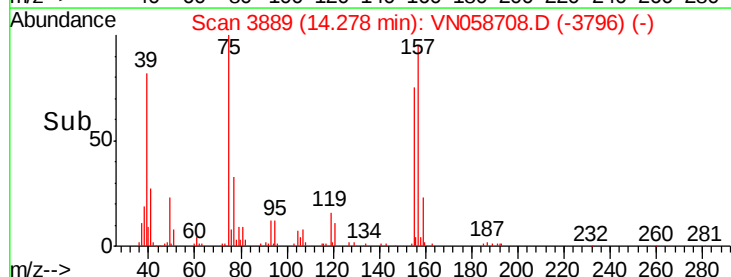
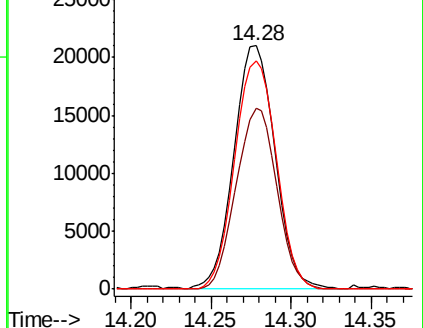
157 94.3 49.4 148.2



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

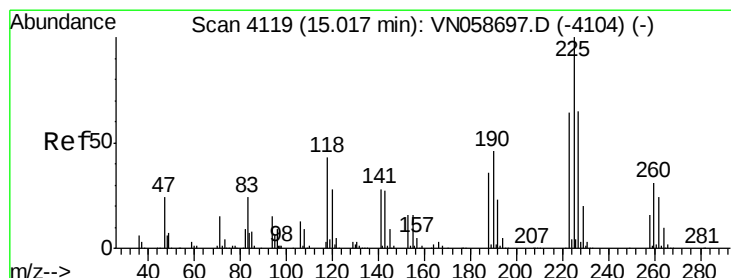
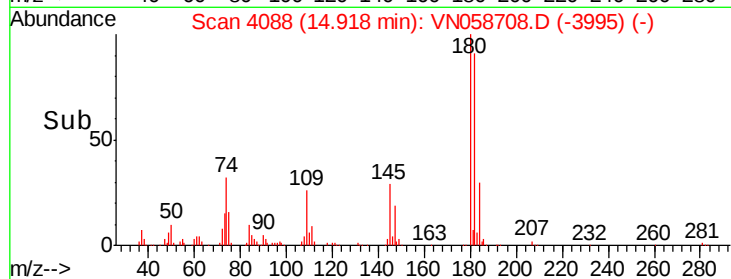
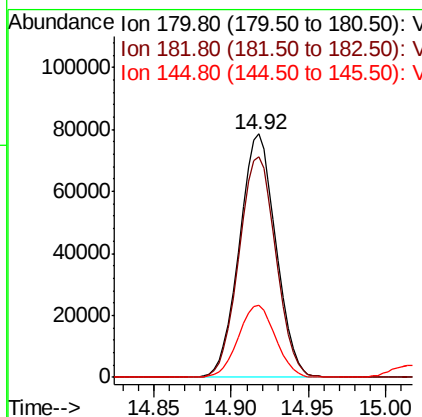
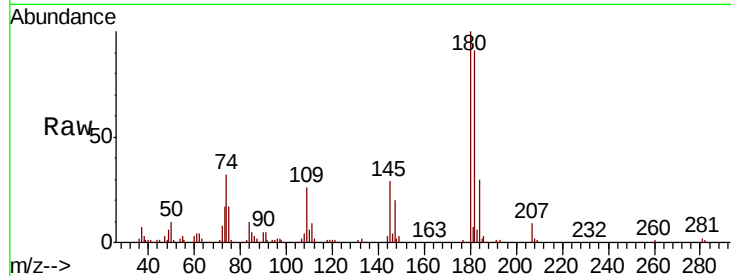




#93
 1,2,4-Trichlorobenzene
 Concen: 19.949 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

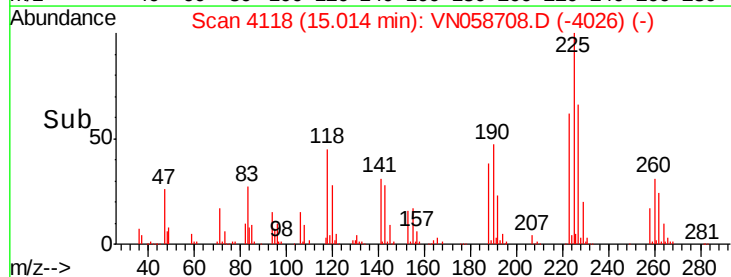
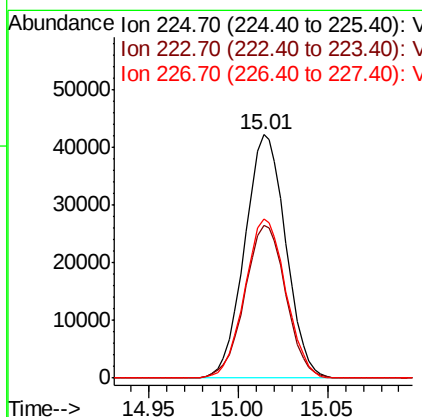
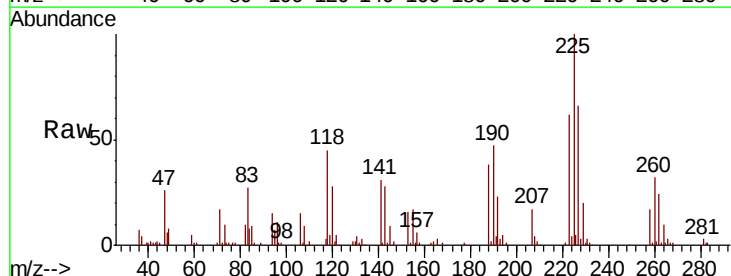
Instrument :
 MSVOA_N
 ClientSampled :

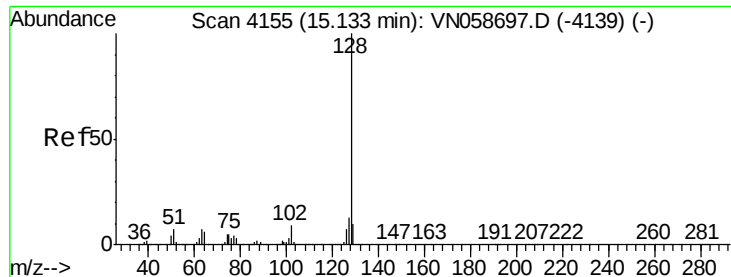
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.4	142.2
145	30.3	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 20.034 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058708.D
 Acq: 11 Oct 2019 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.3	96.8
227	65.2	32.4	97.0





#95

Naphthalene

Concen: 19.423 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

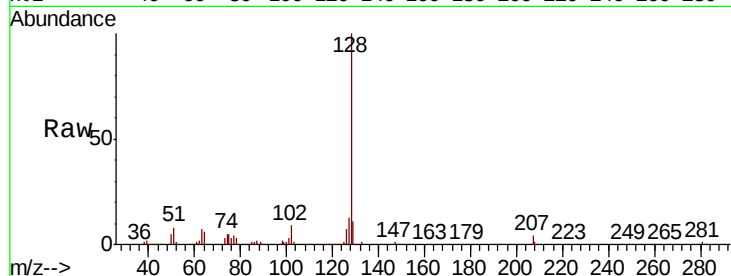
Tot Ion:128 Resp: 360952

Ion Ratio Lower Upper

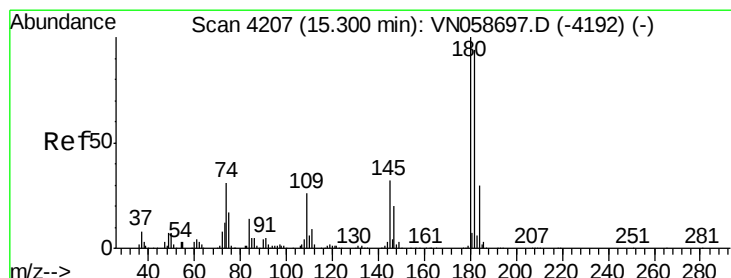
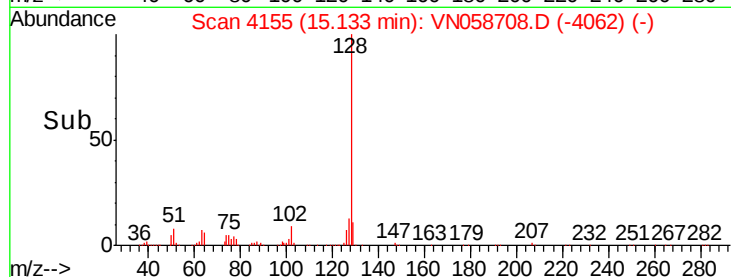
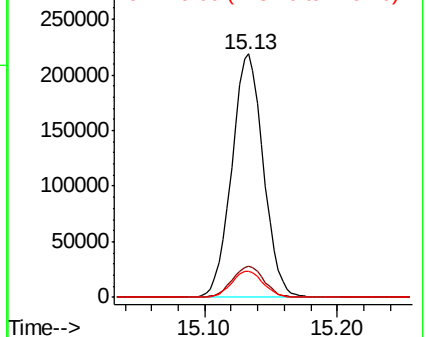
128 100

127 13.0 10.2 15.4

129 10.8 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: 19.152 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

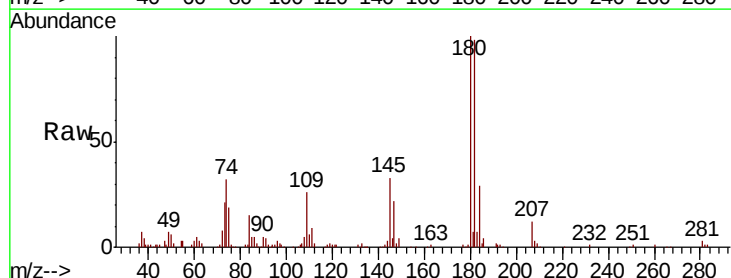
Tgt Ion:180 Resp: 120905

Ion Ratio Lower Upper

180 100

182 97.4 47.3 142.0

145 33.6 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

