

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058959.D
 Acq On : 24 Oct 2019 14:28
 Operator : JC/SP
 Sample : VN1025WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:23:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	340402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	250491	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	7.57	113	180417	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.08	98	687666	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	247662	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	78705	18.544	ug/l	99
3) Chloromethane	2.04	50	97123	18.477	ug/l	98
4) Vinyl Chloride	2.17	62	97801	18.739	ug/l	98
5) Bromomethane	2.55	94	57232	17.511	ug/l	98
6) Chloroethane	2.69	64	63712	19.036	ug/l	99
7) Trichlorofluoromethane	3.00	101	120570	18.671	ug/l	96
8) Diethyl Ether	3.39	74	43525	19.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68130	19.031	ug/l	99
10) Methyl Iodide	3.93	142	75190	15.969	ug/l	100
11) Tert butyl alcohol	4.75	59	75666	91.330	ug/l	100
12) 1,1-Dichloroethene	3.72	96	64465	19.211	ug/l	98
13) Acrolein	3.58	56	30030	52.753	ug/l	96
14) Allyl chloride	4.30	41	128893	18.982	ug/l	99
15) Acrylonitrile	4.96	53	207107	99.380	ug/l	99
16) Acetone	3.79	43	198235	80.354	ug/l	99
17) Carbon Disulfide	4.03	76	195832	18.116	ug/l	99
18) Methyl Acetate	4.30	43	109707	19.560	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	234447	19.952	ug/l	100
20) Methylene Chloride	4.53	84	80226	19.045	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	71035	19.168	ug/l	98
22) Diisopropyl ether	5.93	45	270614	20.375	ug/l	99
23) Vinyl Acetate	5.87	43	1110089	104.029	ug/l	100
24) 1,1-Dichloroethane	5.83	63	151047	19.613	ug/l	99
25) 2-Butanone	6.81	43	286183	89.364	ug/l	99
26) 2,2-Dichloropropane	6.80	77	123383	18.522	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	83453	19.713	ug/l	100
28) Bromochloromethane	7.18	49	52756	20.569	ug/l	99
29) Tetrahydrofuran	7.19	42	192197	98.108	ug/l	99
30) Chloroform	7.35	83	144872	18.753	ug/l	96
31) Cyclohexane	7.63	56	130784	18.228	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	129767	19.929	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107083	18.922	ug/l	99
37) Ethyl Acetate	6.91	43	122760	19.908	ug/l	99
38) Carbon Tetrachloride	7.76	117	111405	19.109	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	114976	18.094	ug/l	99
40) Benzene	8.02	78	326157	19.627	ug/l	99
41) Methacrylonitrile	7.19	41	176909	64.417	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	124879	19.508	ug/l	100
43) Isopropyl Acetate	8.15	43	193213	19.538	ug/l	100
44) Trichloroethene	8.82	130	77230	19.078	ug/l	97
45) 1,2-Dichloropropane	9.11	63	90705	19.905	ug/l	100
46) Dibromomethane	9.20	93	56334	19.555	ug/l	98
47) Bromodichloromethane	9.39	83	115944	19.528	ug/l	99
48) Methyl methacrylate	9.19	41	85213	18.992	ug/l	99
49) 1,4-Dioxane	9.19	88	24966	338.963	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	604756	104.697	ug/l	98
52) Toluene	10.15	92	195481	19.837	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	127914	19.461	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	135669	19.320	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80115	19.735	ug/l	98
56) Ethyl methacrylate	10.43	69	114461	18.178	ug/l	98
57) 1,3-Dichloropropane	10.70	76	138733	19.471	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	256334	92.664	ug/l	99
59) 2-Hexanone	10.75	43	432223	96.835	ug/l	99
60) Dibromochloromethane	10.90	129	84554	19.350	ug/l	97
61) 1,2-Dibromoethane	11.00	107	79100	19.039	ug/l	98
64) Tetrachloroethene	10.63	164	67702	18.850	ug/l	99
65) Chlorobenzene	11.43	112	204342	19.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	77661	19.712	ug/l	99
67) Ethyl Benzene	11.51	91	364888	19.923	ug/l	99
68) m/p-Xylenes	11.62	106	270319	39.799	ug/l	99
69) o-Xylene	11.95	106	126886	19.588	ug/l	99
70) Styrene	11.96	104	205171	18.284	ug/l	100
71) Bromoform	12.13	173	57389	18.785	ug/l #	95
73) Isopropylbenzene	12.25	105	348976	19.711	ug/l	100
74) N-amyl acetate	12.07	43	155750	19.405	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	119999	19.276	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	160491	28.584	ug/l #	100
77) Bromobenzene	12.53	156	83943	19.236	ug/l	98
78) n-propylbenzene	12.59	91	414802	19.821	ug/l	100
79) 2-Chlorotoluene	12.68	91	247714	19.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	296536	19.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38943	18.069	ug/l	98
82) 4-Chlorotoluene	12.78	91	252562	19.295	ug/l	100
83) tert-Butylbenzene	13.00	119	251492	19.771	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	295194	20.120	ug/l	99
85) sec-Butylbenzene	13.17	105	336767	19.857	ug/l	99
86) p-Isopropyltoluene	13.29	119	297533	19.883	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149694	19.184	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	148510	19.010	ug/l	99
89) n-Butylbenzene	13.62	91	256355	18.649	ug/l	99
90) Hexachloroethane	13.88	117	58689	19.355	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	149406	19.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26079	18.522	ug/l	95

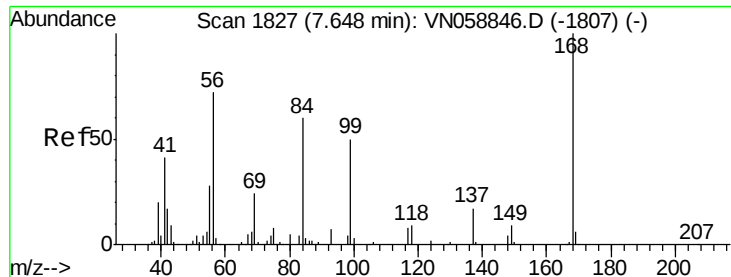
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76754	17.617	ug/l	99
94) Hexachlorobutadiene	15.01	225	45542	18.321	ug/l	99
95) Naphthalene	15.13	128	210627	16.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78277	18.251	ug/l	99

(#) = 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: VN058959.D

Acq: 24 Oct 2019 14:28

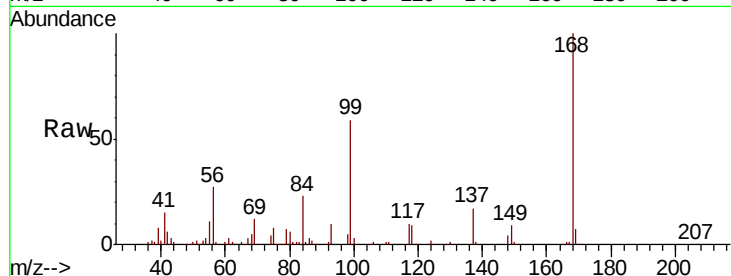
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 340402

Ion Ratio Lower Upper

168 100

99 59.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

100000

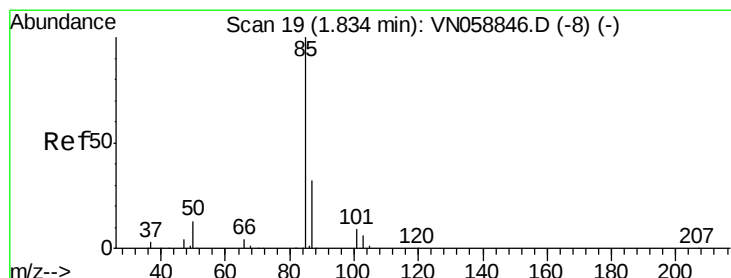
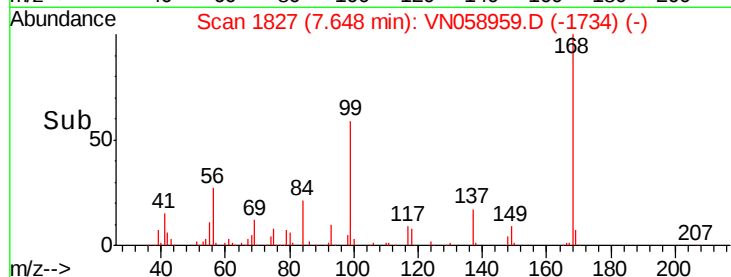
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.544 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058959.D

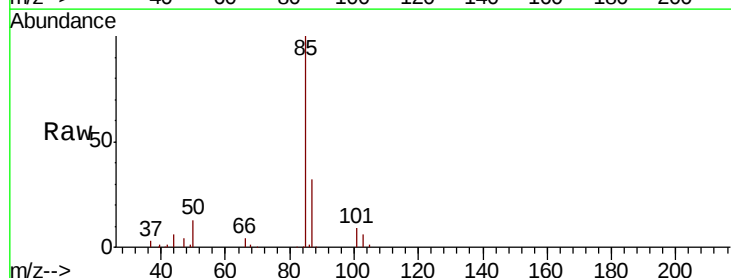
Acq: 24 Oct 2019 14:28

Tgt Ion: 85 Resp: 78705

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

20000

10000

0

1.75

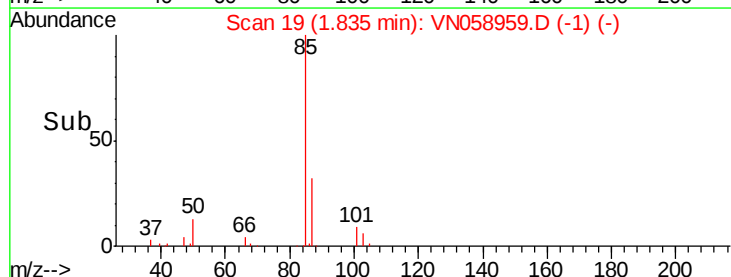
1.80

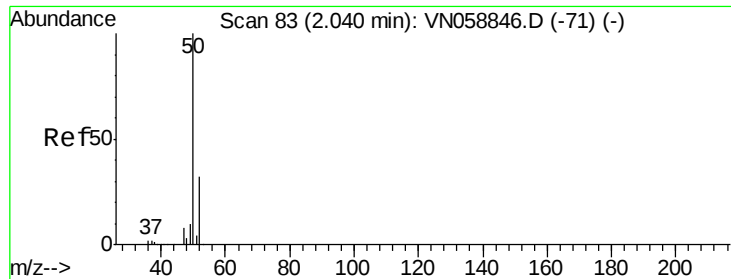
1.85

1.90

1.95

Time-->

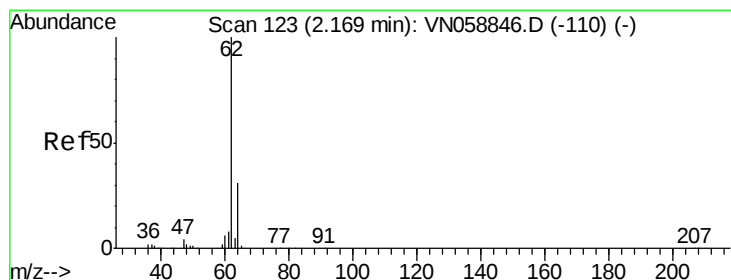
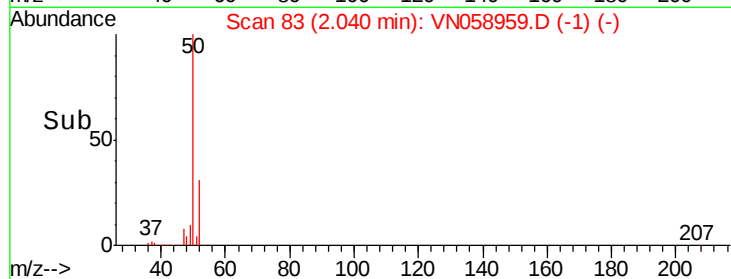
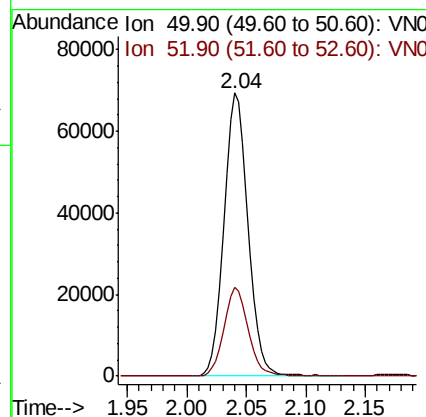
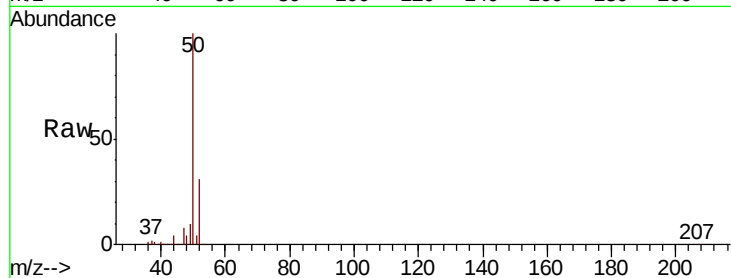




#3
Chloromethane
Concen: 18.477 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

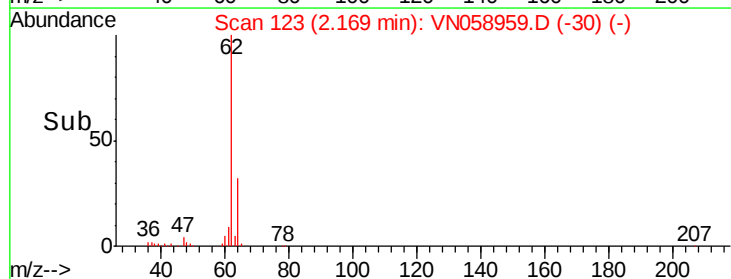
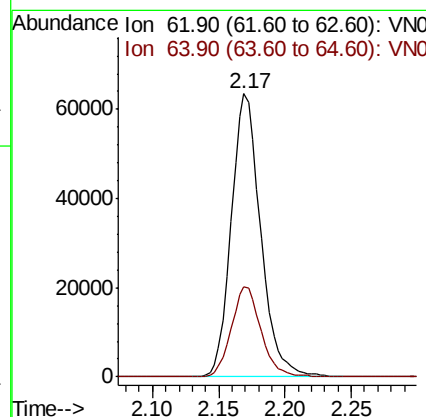
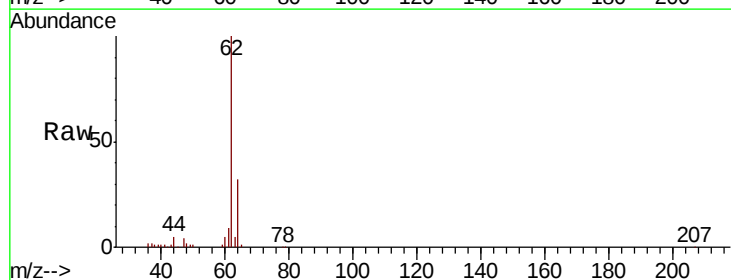
Instrument :
MSVOA_N
ClientSampleId :

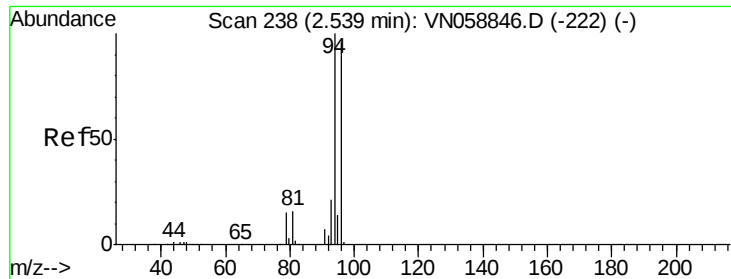
Tot Ion: 50 Resp: 97123
Ion Ratio Lower Upper
50 100
52 31.3 25.7 38.5



#4
Vinyl Chloride
Concen: 18.739 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 62 Resp: 97801
Ion Ratio Lower Upper
62 100
64 32.0 24.6 36.8





#5

Bromomethane

Concen: 17.511 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

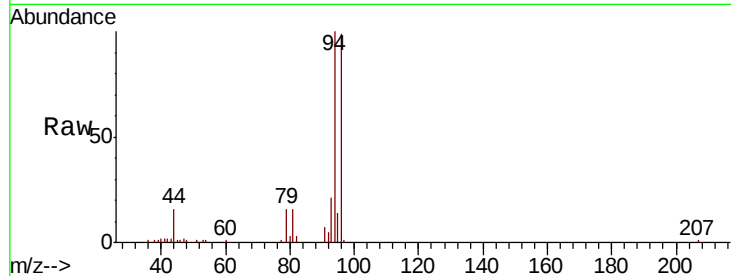
ClientSampled :

Tot Ion: 94 Resp: 57232

Ion Ratio Lower Upper

94 100

96 98.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

30000

25000

20000

15000

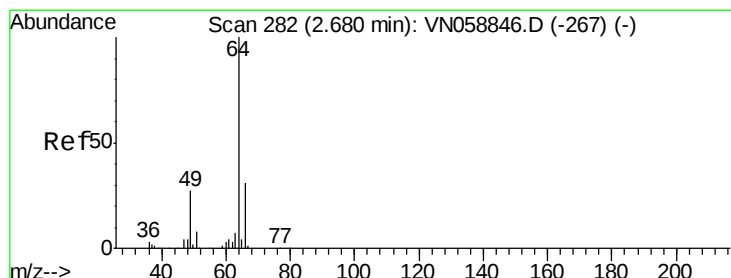
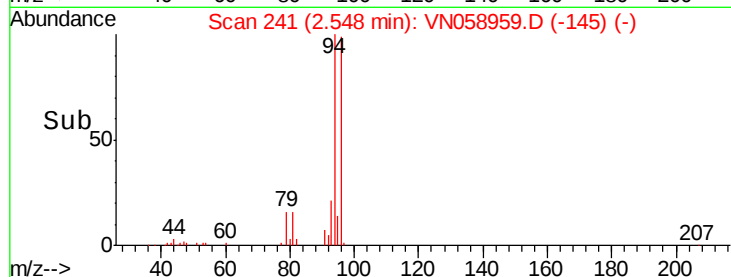
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.036 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058959.D

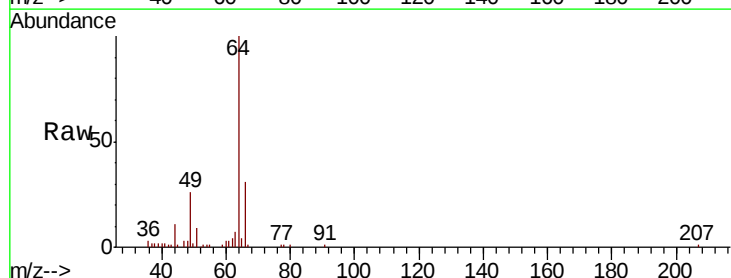
Acq: 24 Oct 2019 14:28

Tgt Ion: 64 Resp: 63712

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

30000

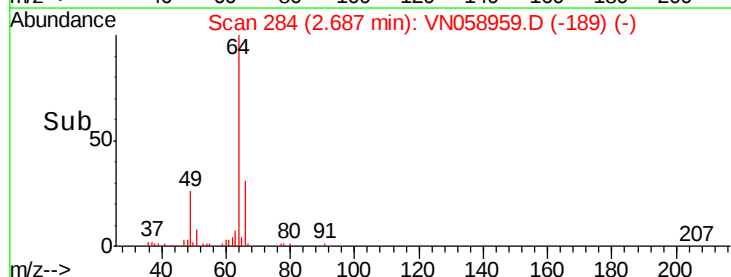
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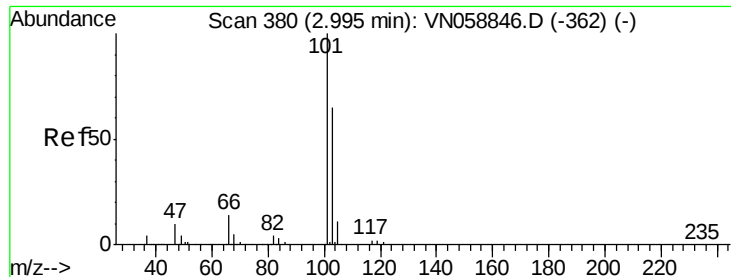
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0

Time-->

2.60 2.65 2.70 2.75 2.80



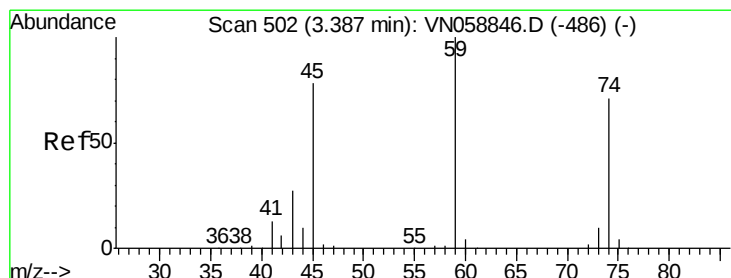
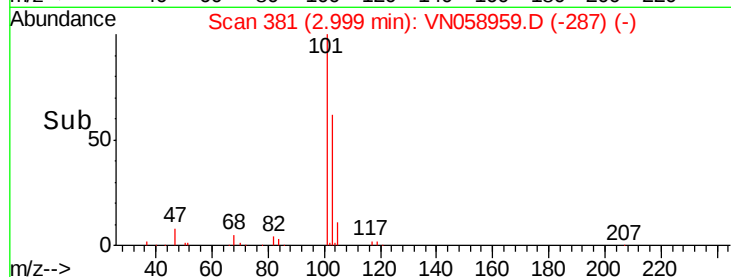
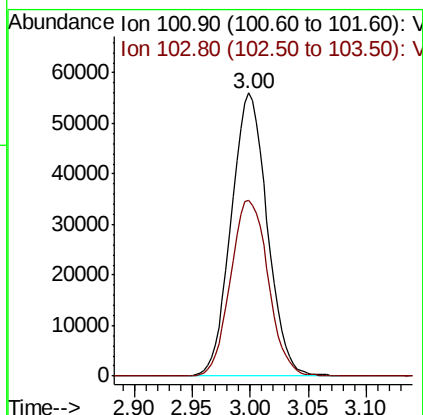
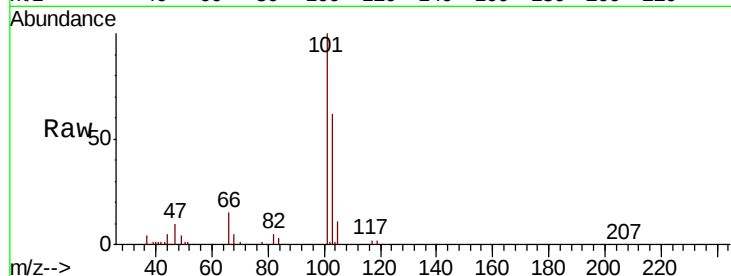


#7

Trichlorofluoromethane
Concen: 18.671 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampled :

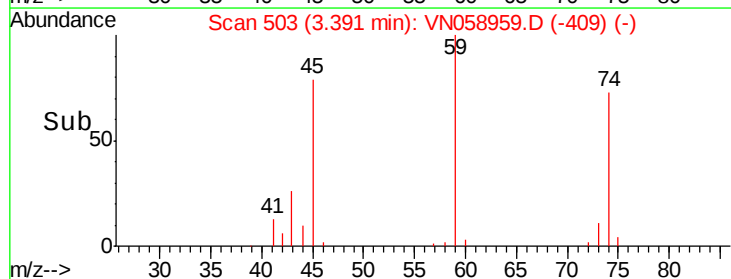
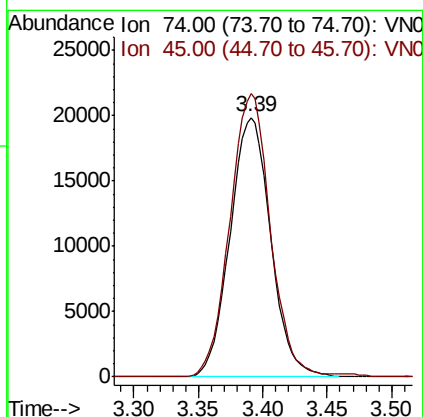
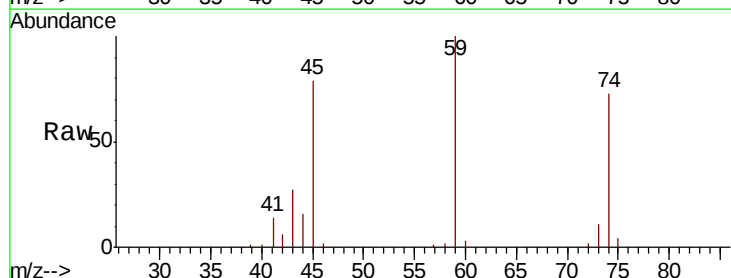
Tot Ion:101 Resp: 120570
Ion Ratio Lower Upper
101 100
103 62.3 52.2 78.2

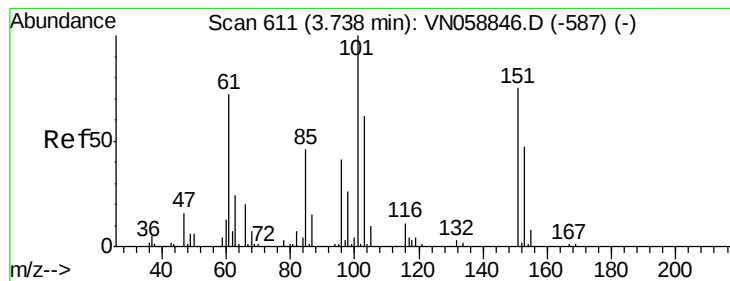


#8

Diethyl Ether
Concen: 19.504 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 74 Resp: 43525
Ion Ratio Lower Upper
74 100
45 108.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.031 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

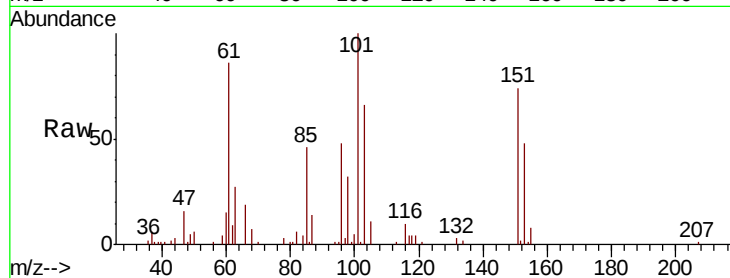
Tot Ion:101 Resp: 68130

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

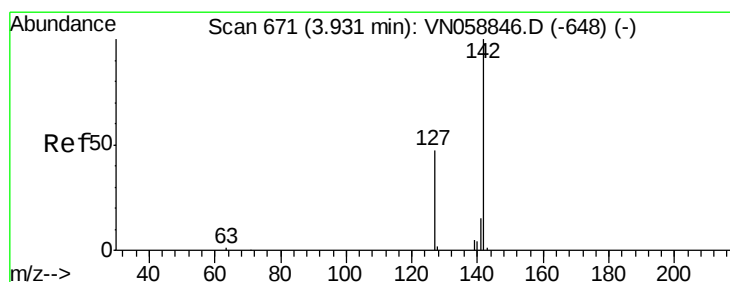
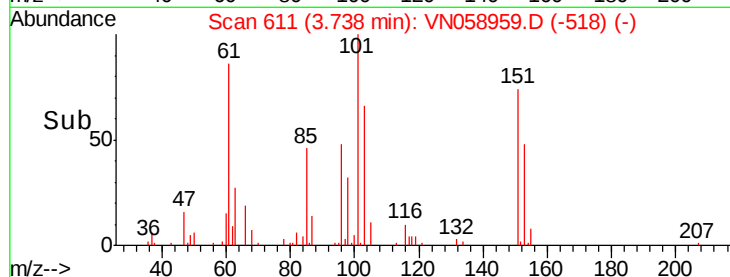
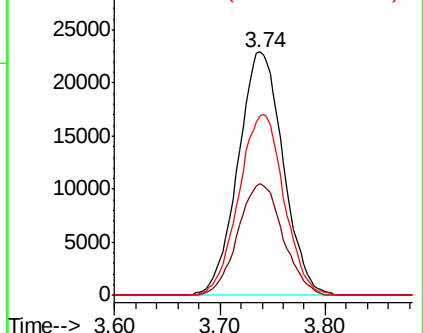
151 74.7 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.969 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

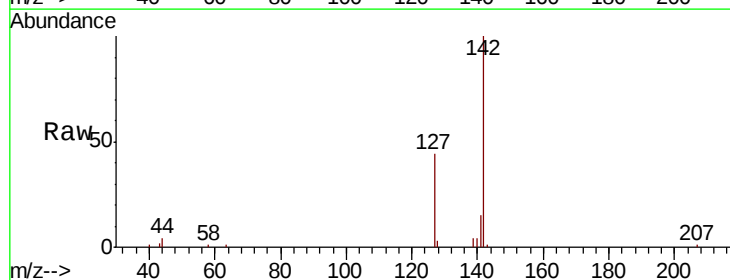
Tgt Ion:142 Resp: 75190

Ion Ratio Lower Upper

142 100

127 45.9 36.6 54.8

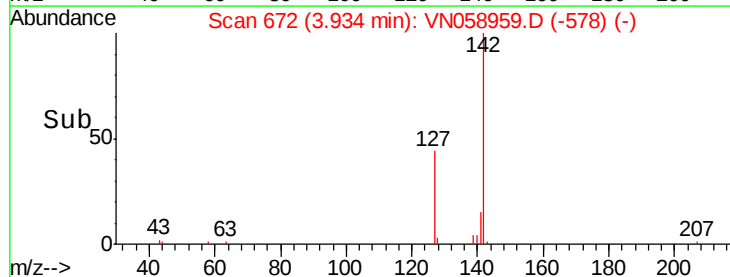
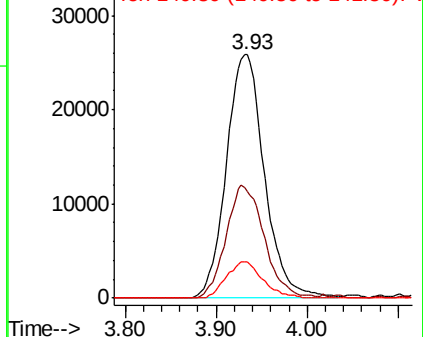
141 14.3 11.4 17.2

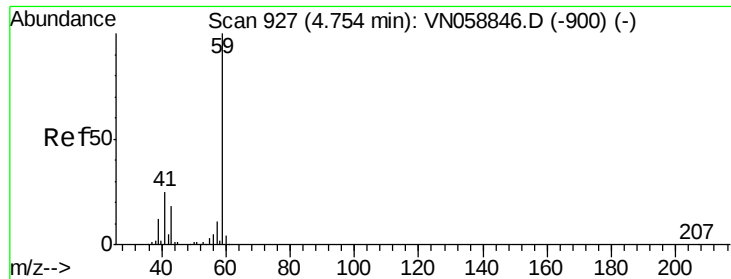


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



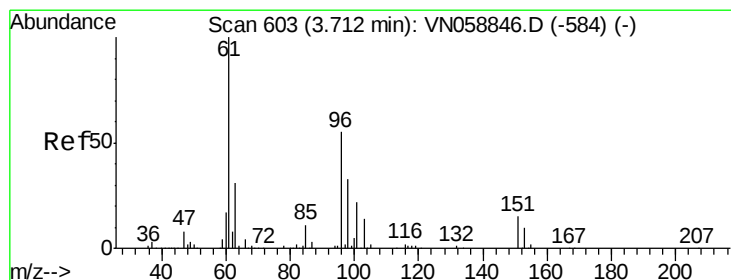
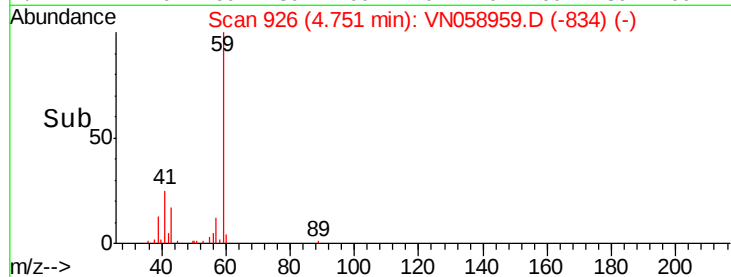
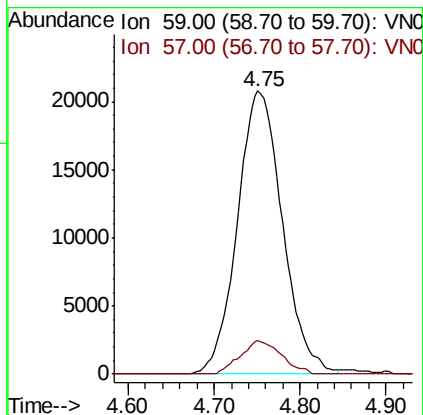
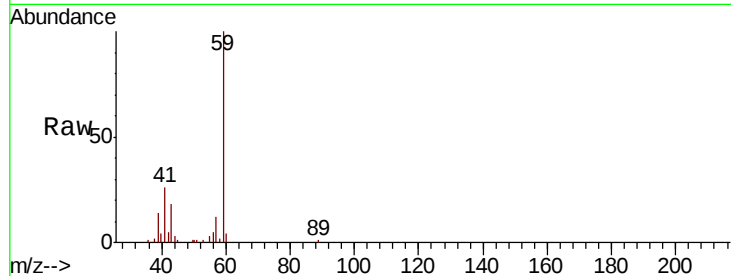


#11

Tert butyl alcohol
Concen: 91.330 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :

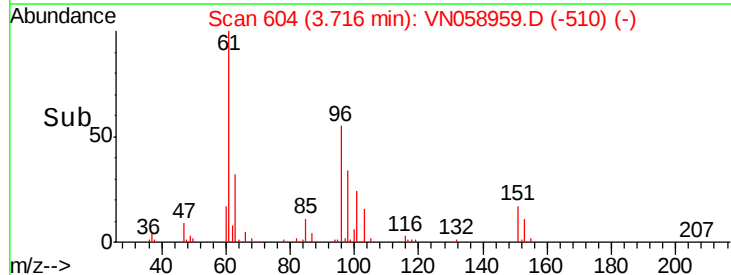
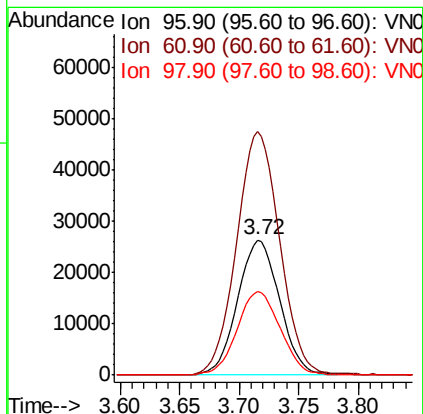
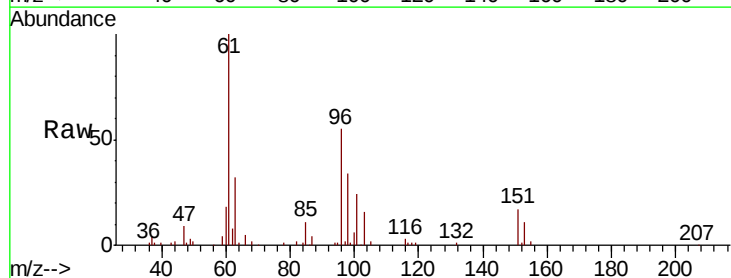
Tot Ion: 59 Resp: 75666
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

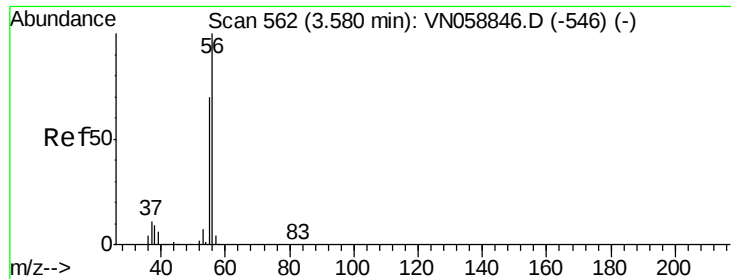


#12

1,1-Dichloroethene
Concen: 19.211 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 96 Resp: 64465
Ion Ratio Lower Upper
96 100
61 180.3 146.2 219.2
98 61.7 48.7 73.1





#13

Acrolein

Concen: 52.753 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

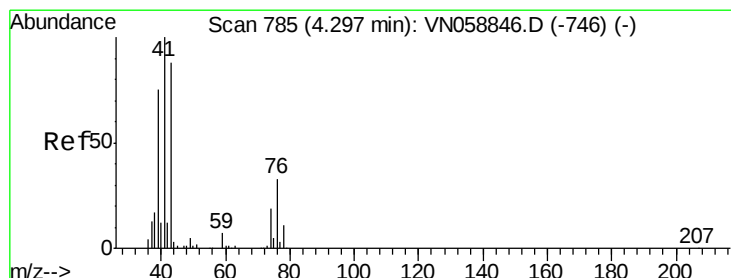
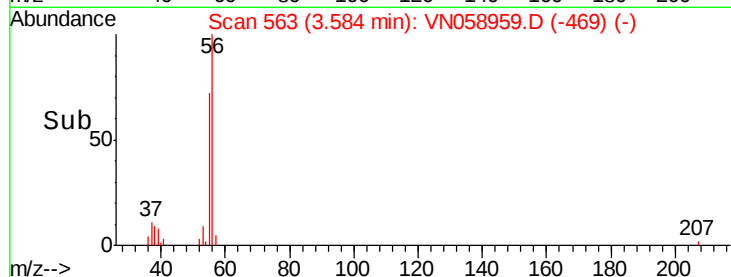
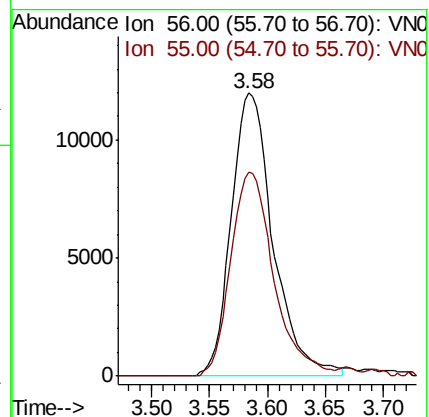
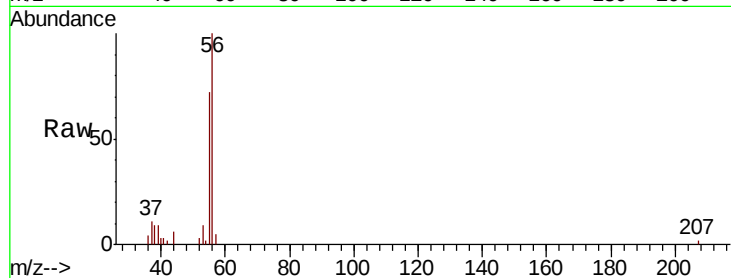
ClientSampled :

Tot Ion: 56 Resp: 30030

Ion Ratio Lower Upper

56 100

55 74.1 56.6 85.0



#14

Allyl chloride

Concen: 18.982 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

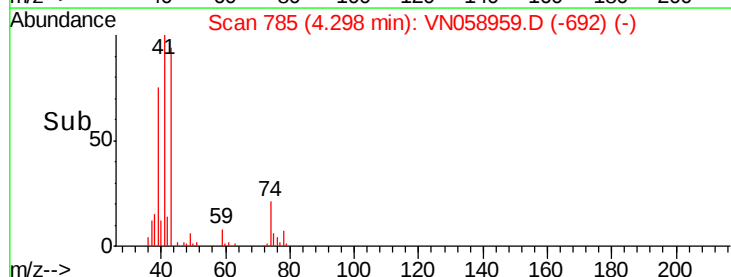
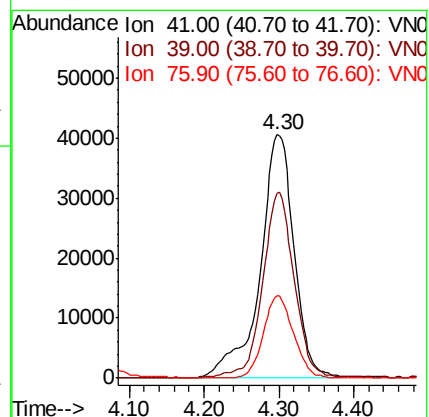
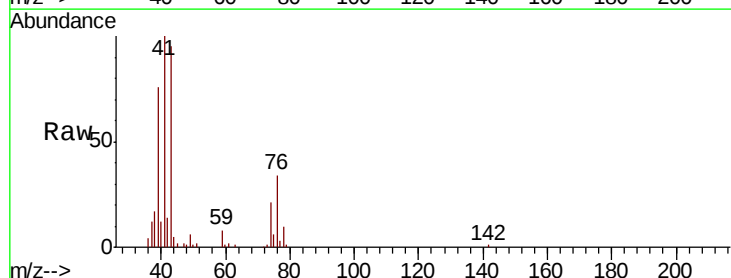
Tgt Ion: 41 Resp: 128893

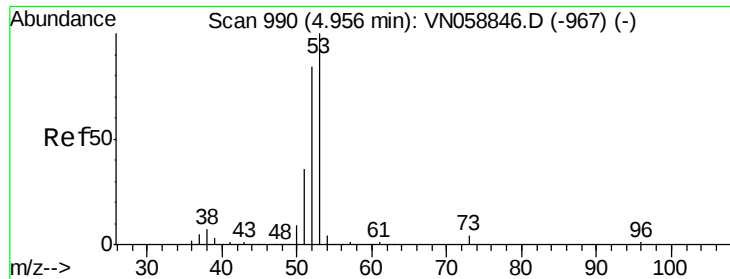
Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 29.8 24.1 36.1





#15

Acrylonitrile

Concen: 99.380 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

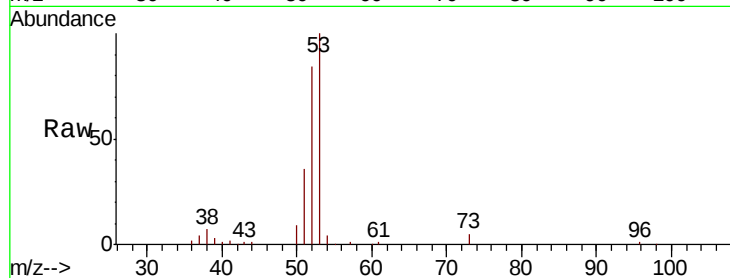
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 207107

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	36.7	29.2	43.8

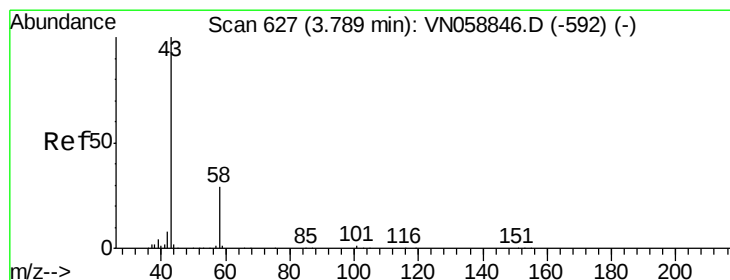
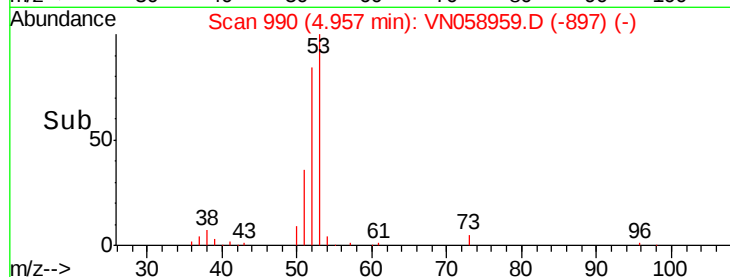
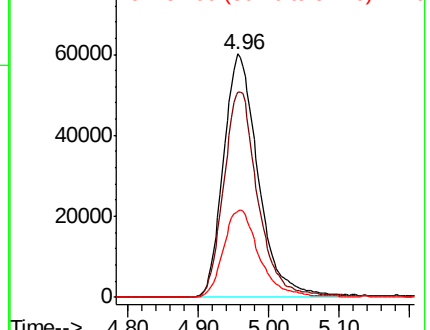


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 80.354 ug/l

RT: 3.79 min Scan# 628

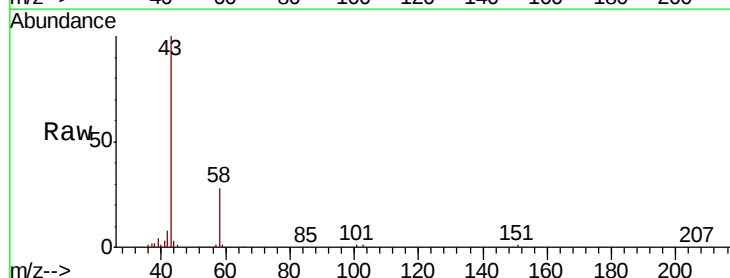
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Tgt Ion: 43 Resp: 198235

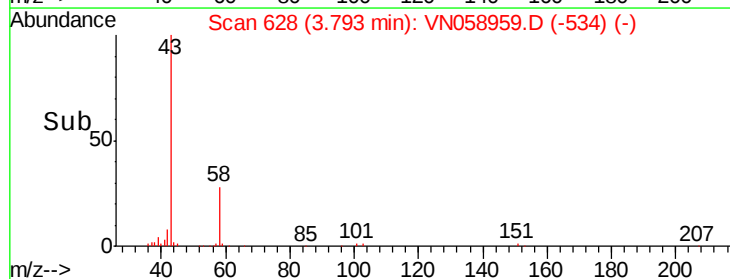
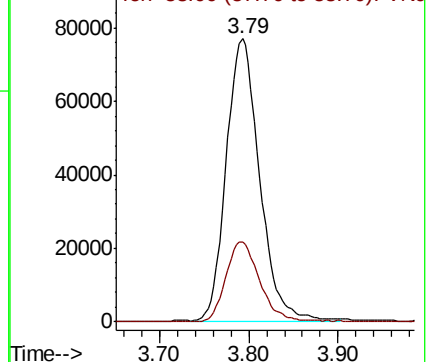
Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.1	34.7

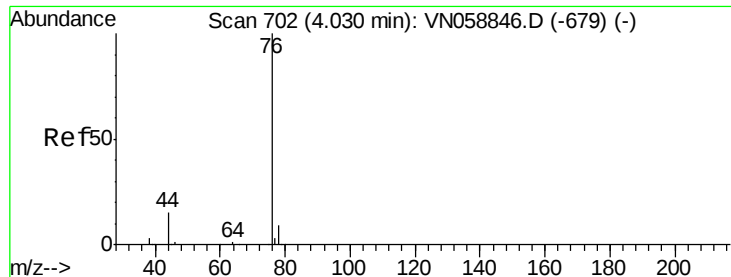


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.116 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

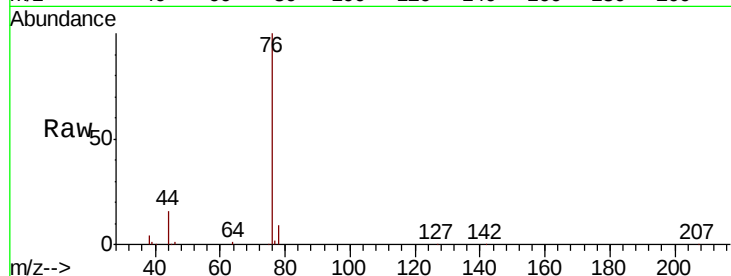
ClientSampleId :

Tot Ion: 76 Resp: 195832

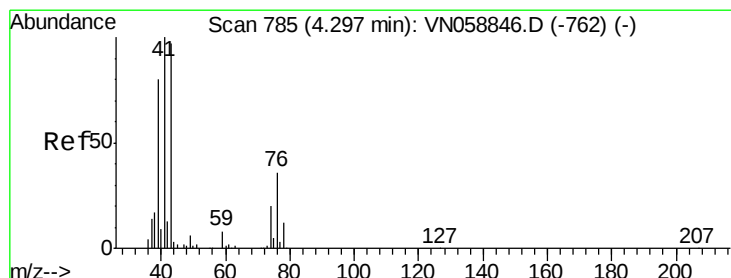
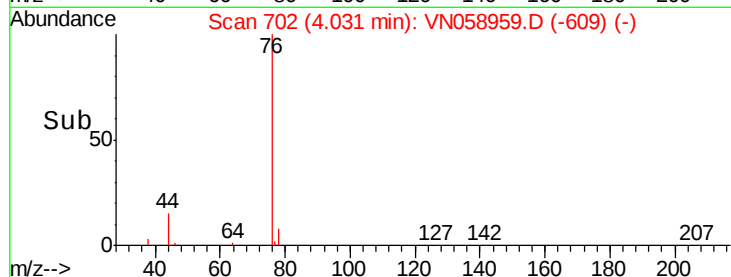
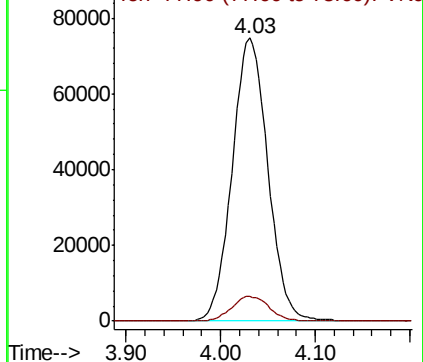
Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.560 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058959.D

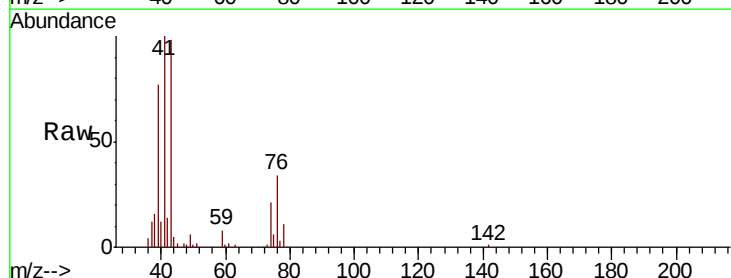
Acq: 24 Oct 2019 14:28

Tgt Ion: 43 Resp: 109707

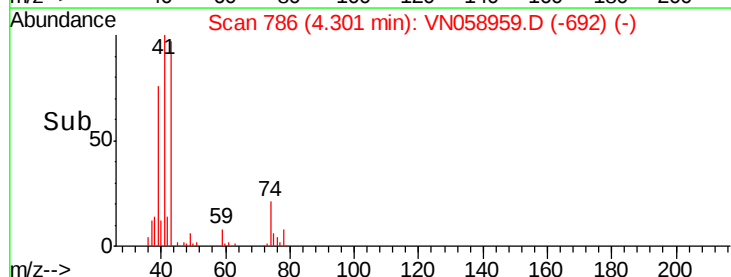
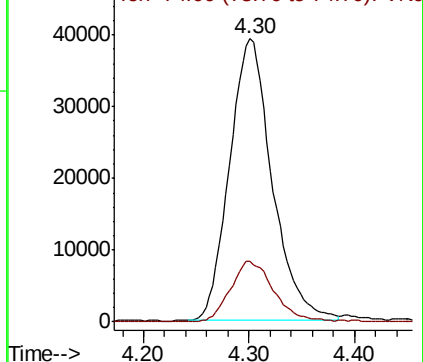
Ion Ratio Lower Upper

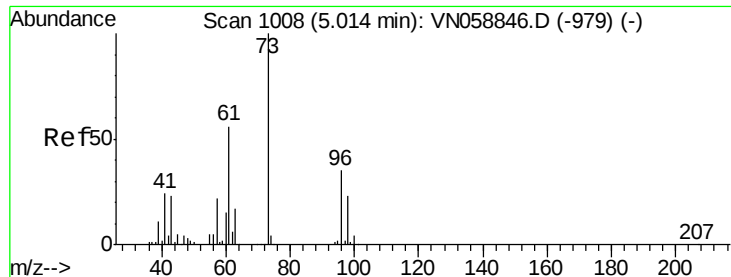
43 100

74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

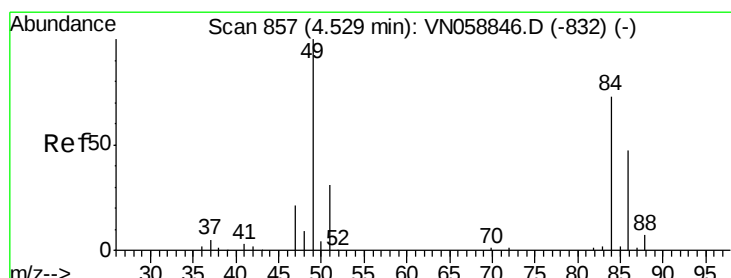
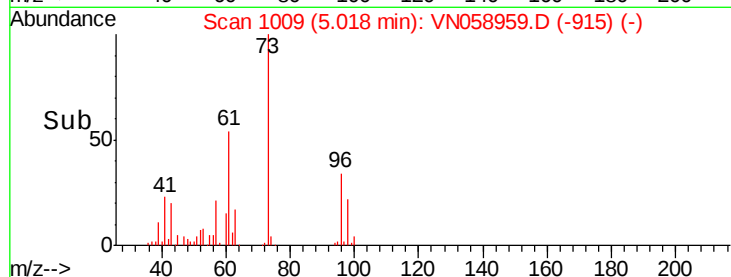
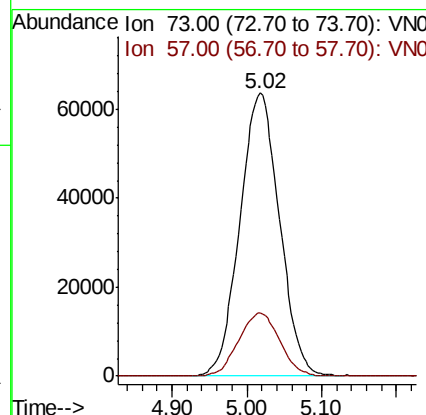
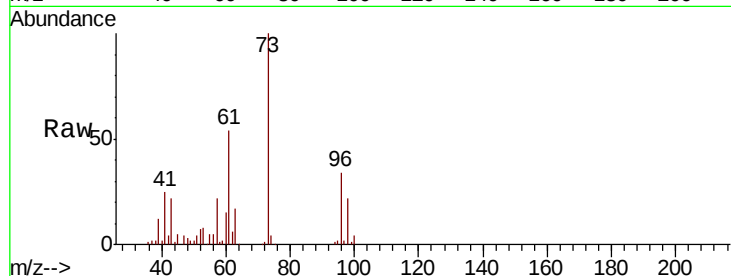




#19
Methvl tert-butvl Ether
Concen: 19.952 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

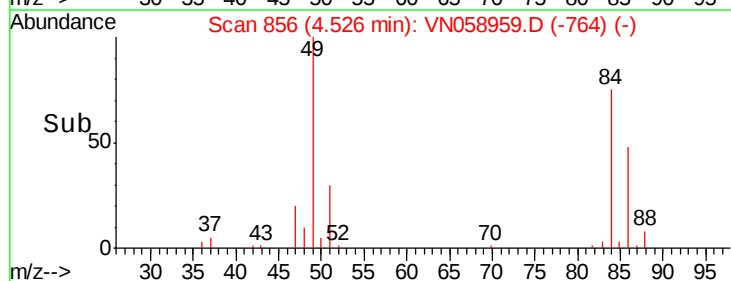
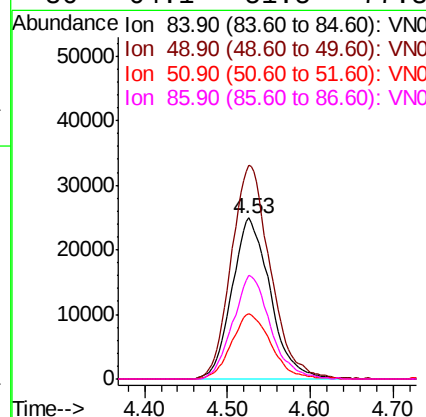
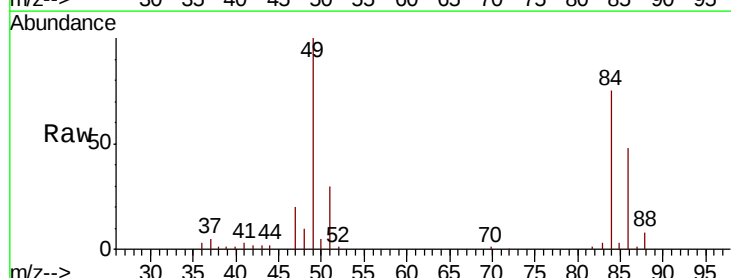
Instrument :
MSVOA_N
ClientSampleId :

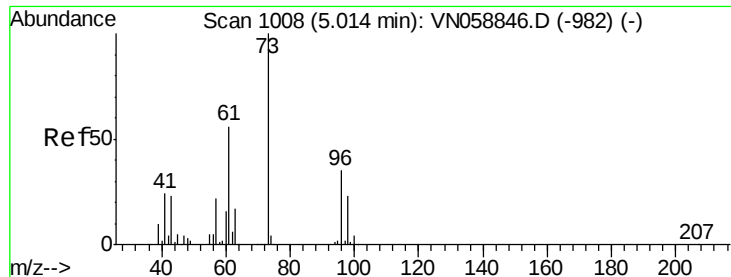
Tot Ion: 73 Resp: 234447
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 19.045 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 84 Resp: 80226
Ion Ratio Lower Upper
84 100
49 132.7 109.6 164.4
51 40.3 33.8 50.6
86 64.1 51.5 77.3

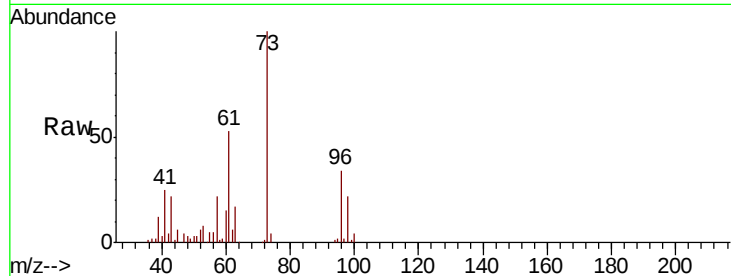




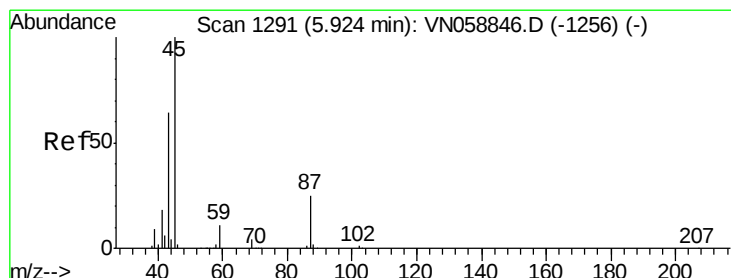
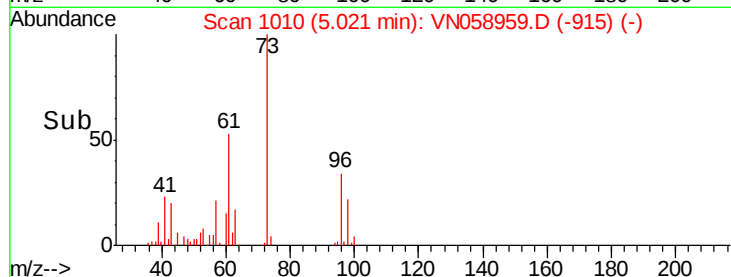
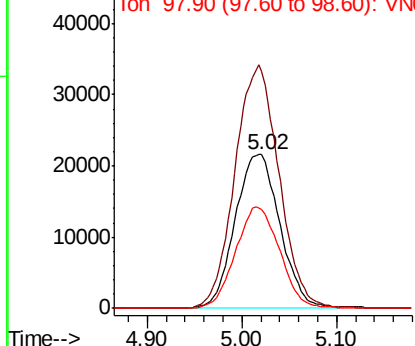
#21
trans-1,2-Dichloroethene
Concen: 19.168 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 71035
Ion Ratio Lower Upper
96 100
61 154.5 126.7 190.1
98 64.0 52.0 78.0

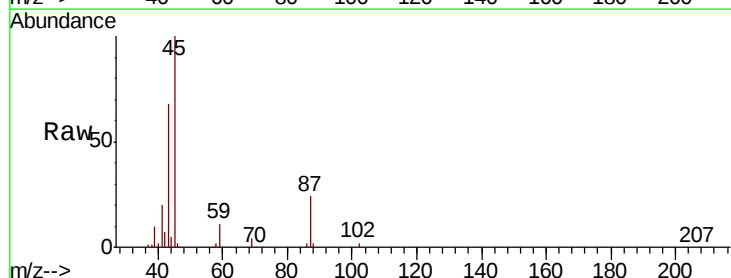


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

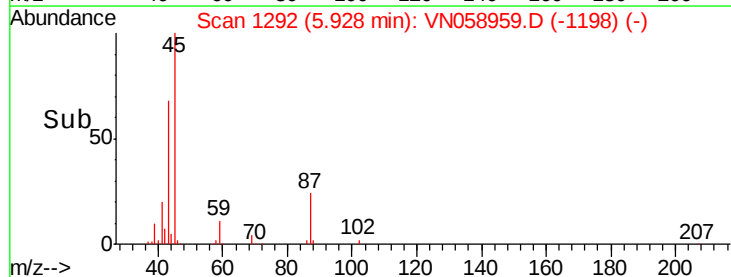
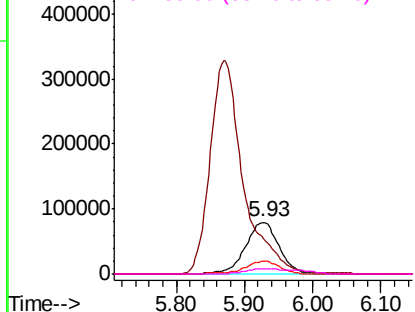


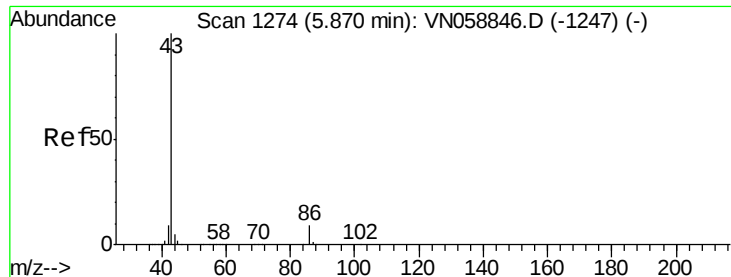
#22
Diisopropyl ether
Concen: 20.375 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 45 Resp: 270614
Ion Ratio Lower Upper
45 100
43 66.2 52.9 79.3
87 24.2 20.2 30.4
59 10.7 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.029 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

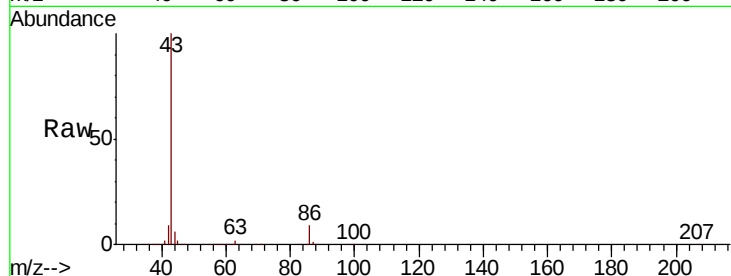
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1110089

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)

5.87

300000

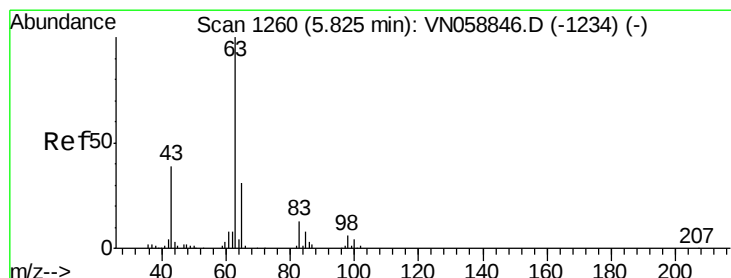
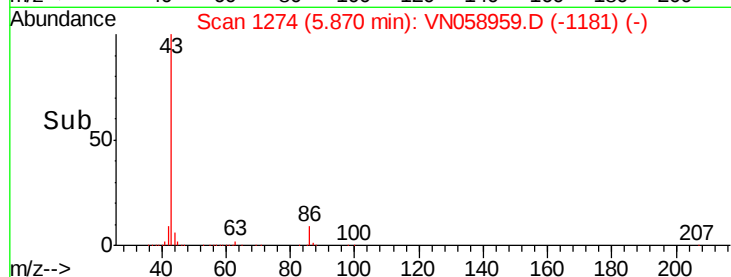
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.613 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

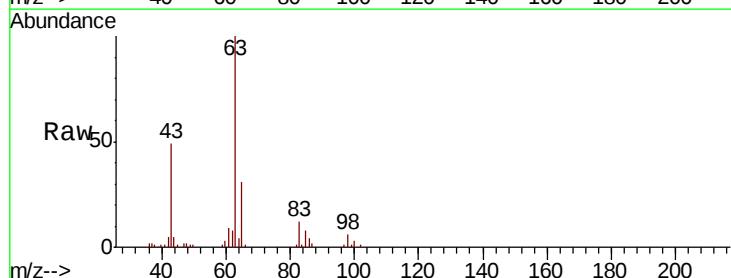
Tgt Ion: 63 Resp: 151047

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

5.83

60000

50000

40000

30000

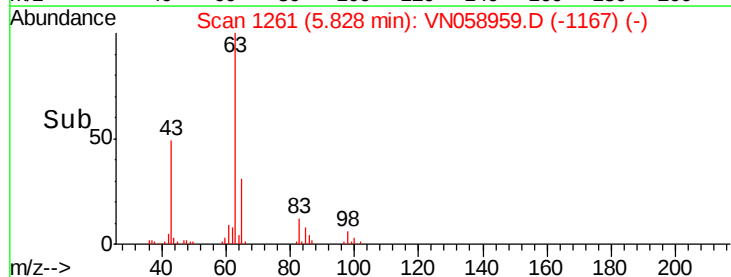
20000

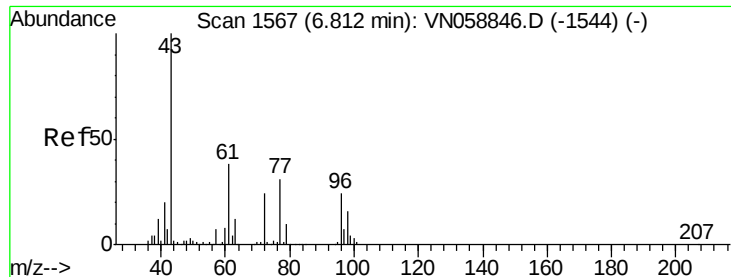
10000

0

5.70 5.80 5.90

Time-->

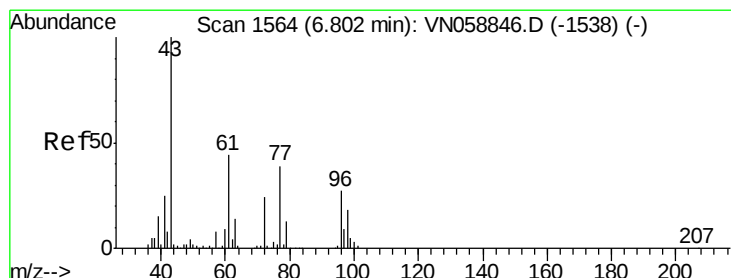
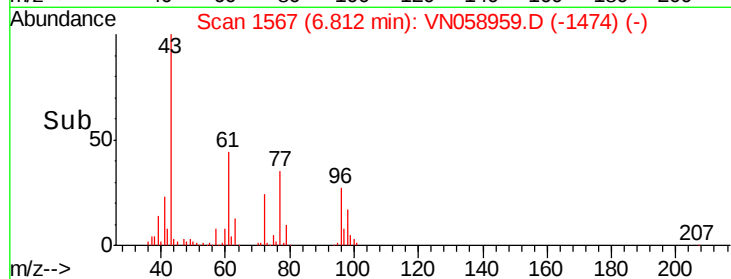
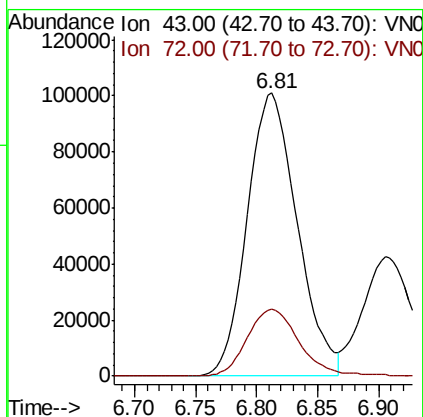
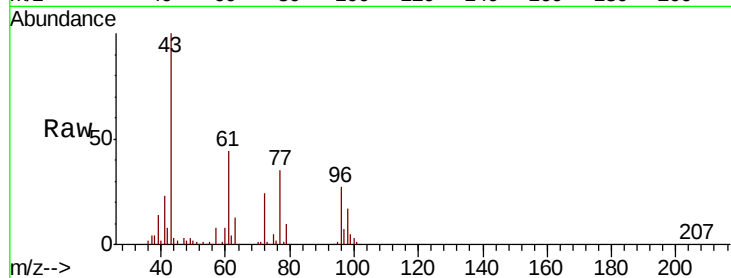




#25
2-Butanone
Concen: 89.364 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

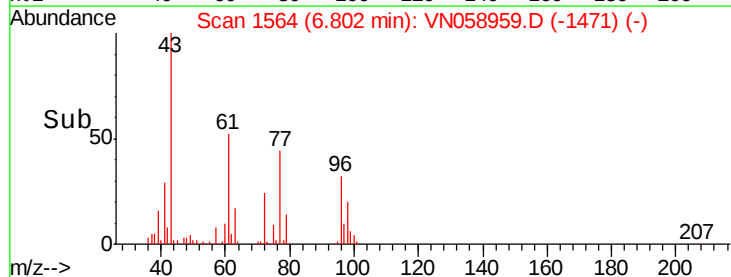
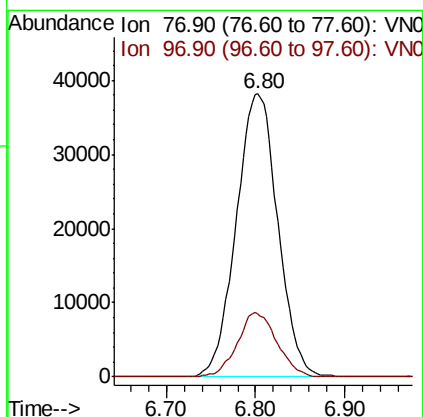
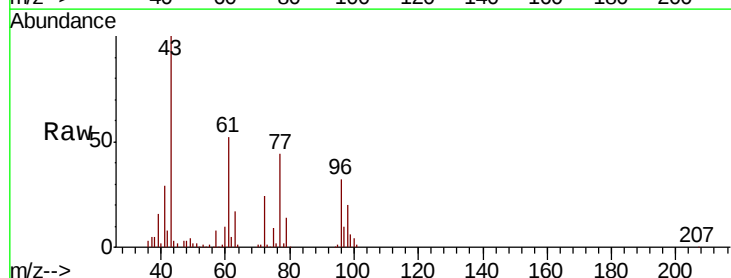
Instrument :
MSVOA_N
ClientSampleId :

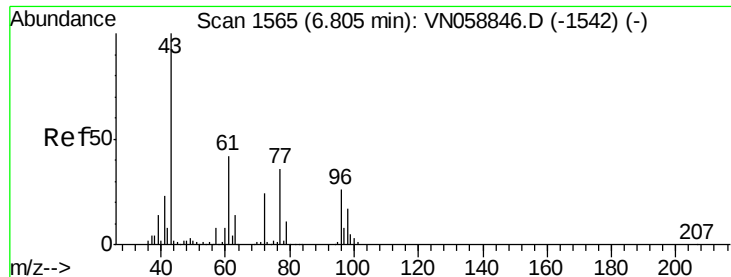
Tot Ion: 43 Resp: 286183
Ion Ratio Lower Upper
43 100
72 23.6 19.1 28.7



#26
2,2-Dichloropropane
Concen: 18.522 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 77 Resp: 123383
Ion Ratio Lower Upper
77 100
97 21.6 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

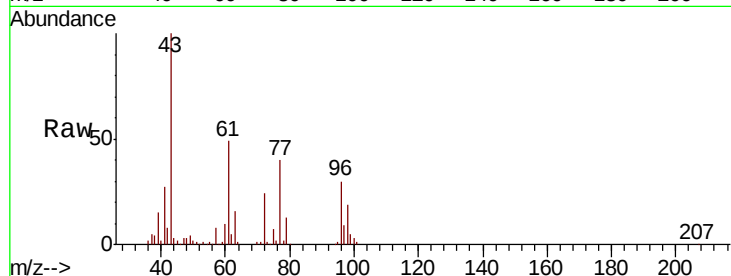
Tot Ion: 96 Resp: 83453

Ion Ratio Lower Upper

96 100

61 161.9 0.0 325.0

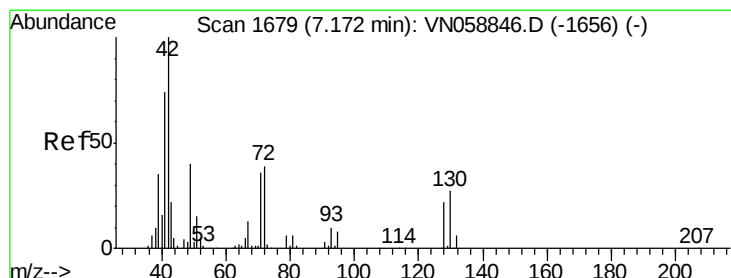
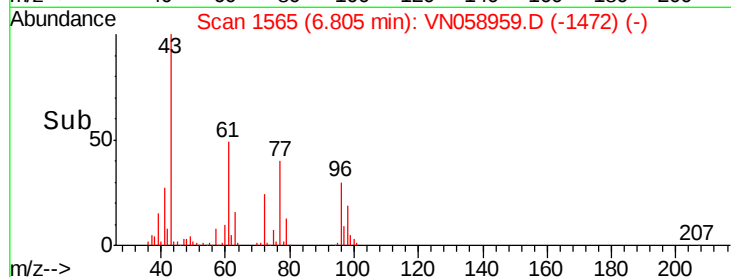
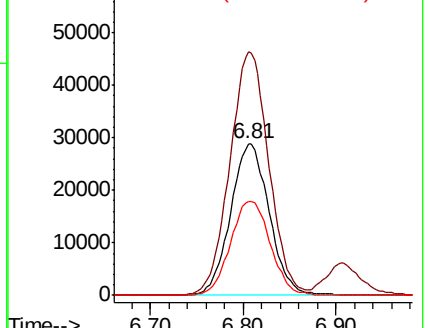
98 63.7 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)



#28

Bromochloromethane

Concen: 20.569 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

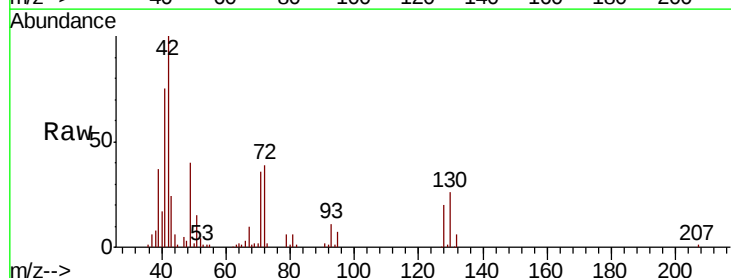
Tgt Ion: 49 Resp: 52756

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.2

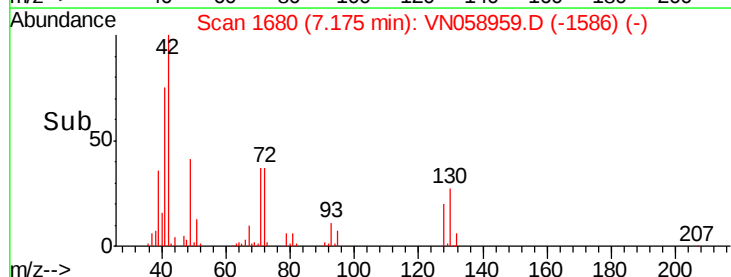
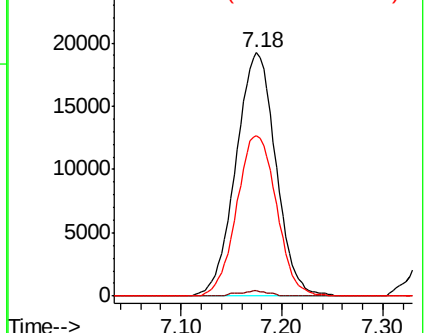
130 65.9 53.5 80.3

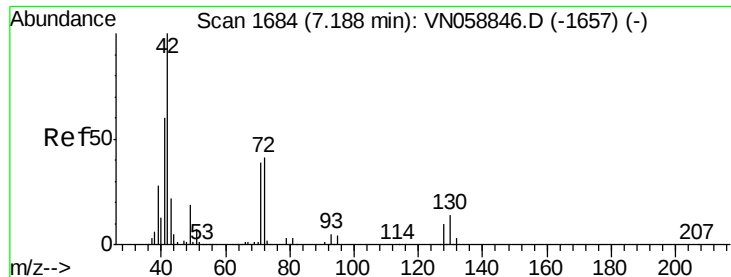


Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)

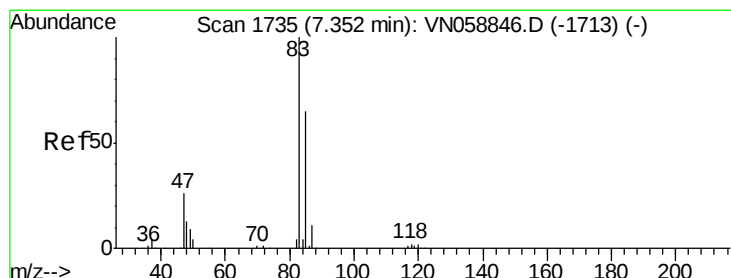
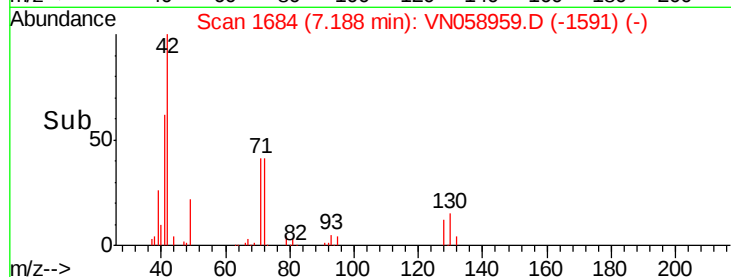
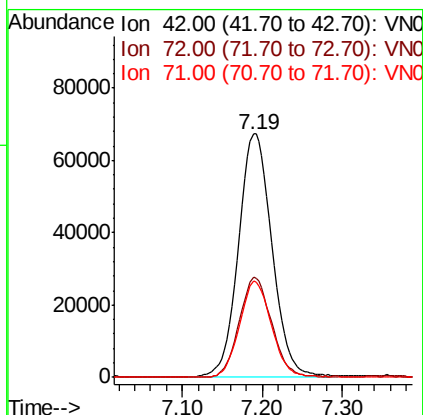
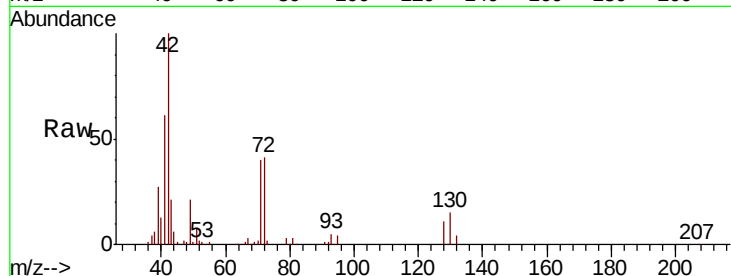




#29
Tetrahydrofuran
Concen: 98.108 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

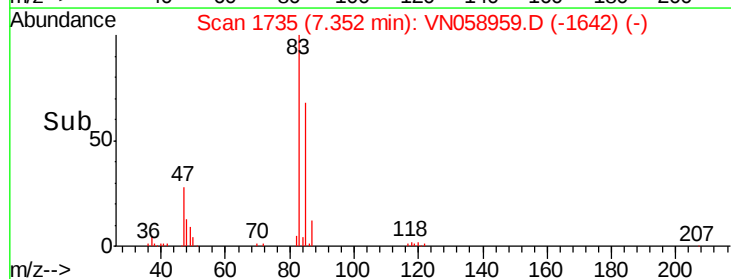
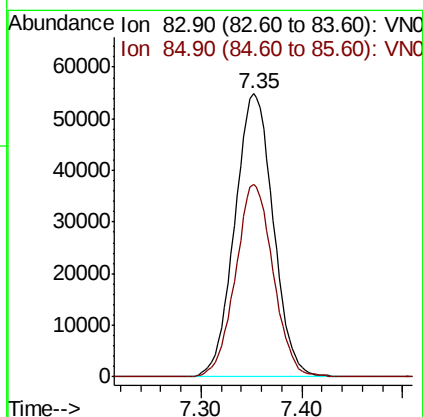
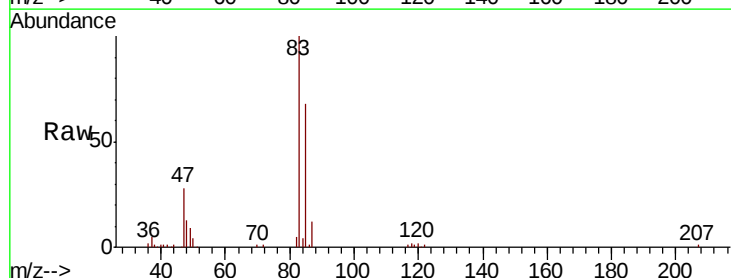
Instrument :
MSVOA_N
ClientSampled :

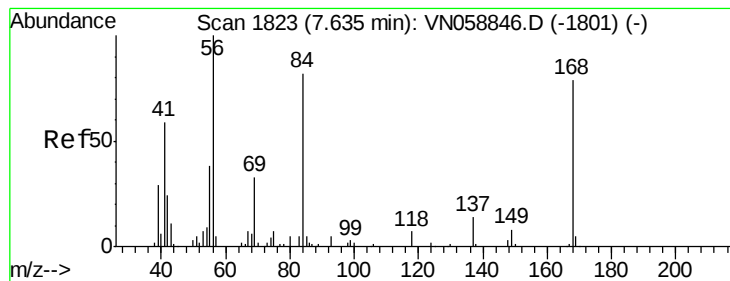
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.2	48.2
71	37.3	30.6	45.8



#30
Chloroform
Concen: 18.753 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.9	77.9





#31

Cyclohexane

Concen: 18.228 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampled :

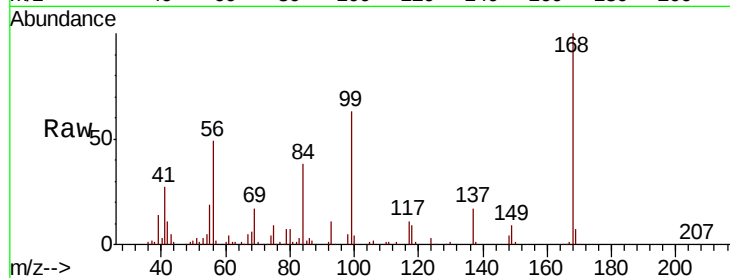
Tot Ion: 56 Resp: 130784

Ion Ratio Lower Upper

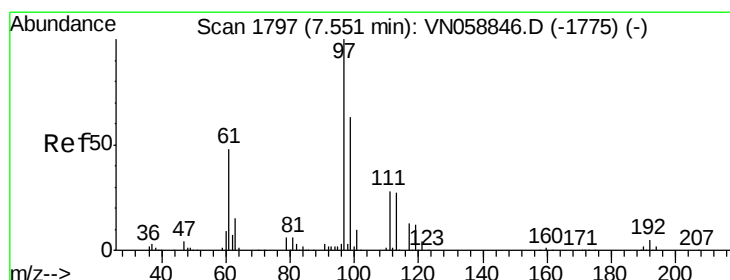
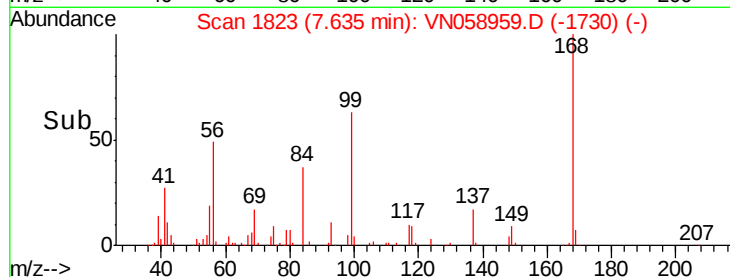
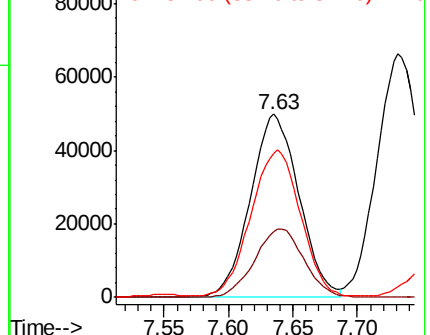
56 100

69 35.7 26.2 39.4

84 77.7 65.6 98.4



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: 19.929 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

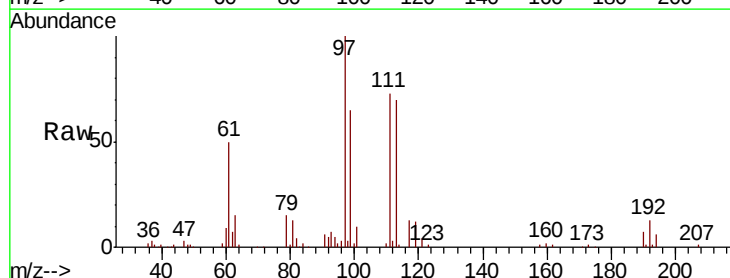
Tgt Ion: 97 Resp: 129767

Ion Ratio Lower Upper

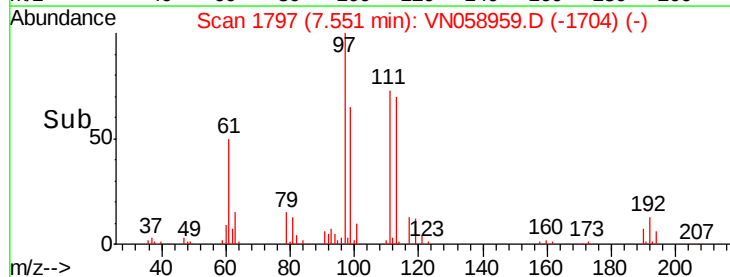
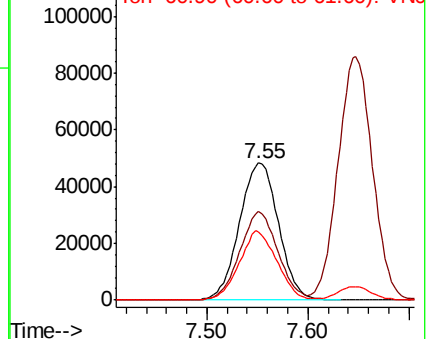
97 100

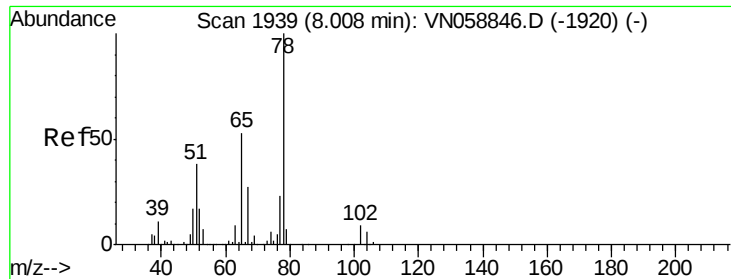
99 62.8 51.0 76.4

61 48.5 38.6 58.0



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

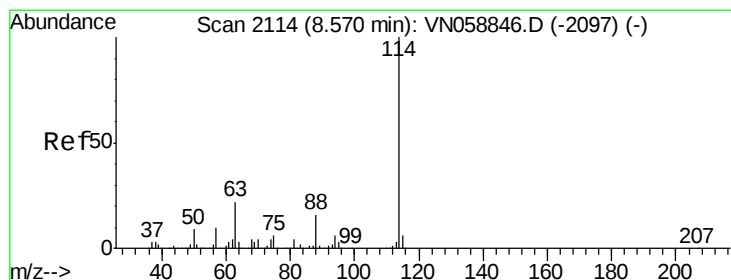
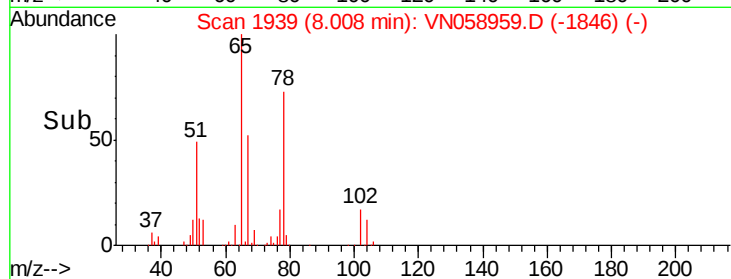
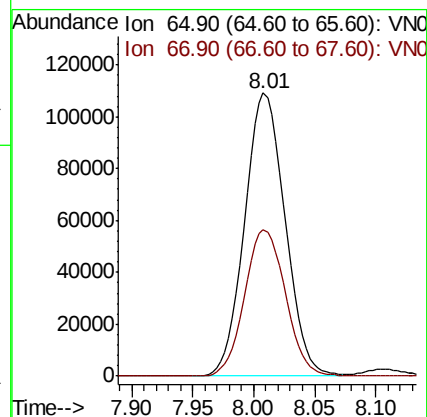
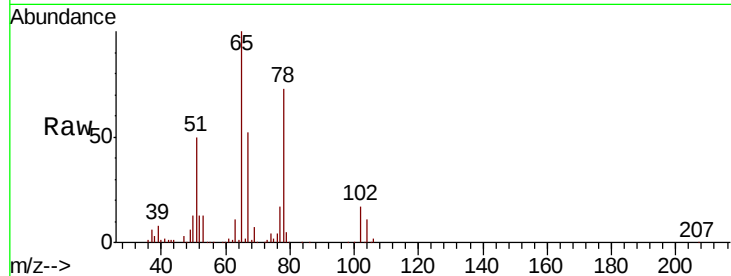




#33
 1,2-Dichloroethane-d4
 Concen: 50.173 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

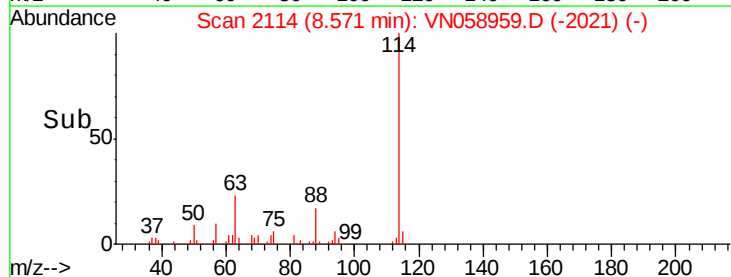
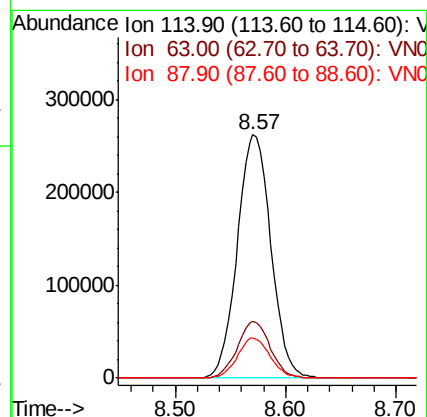
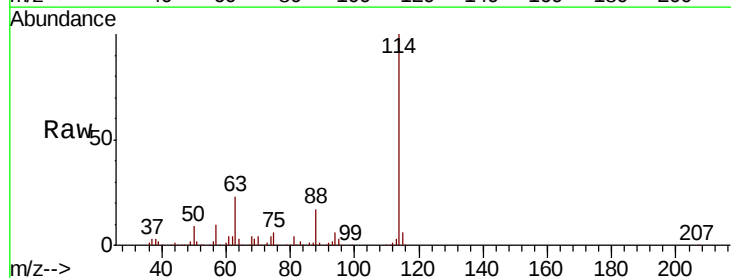
Instrument :
 MSVOA_N
 ClientSampleId :

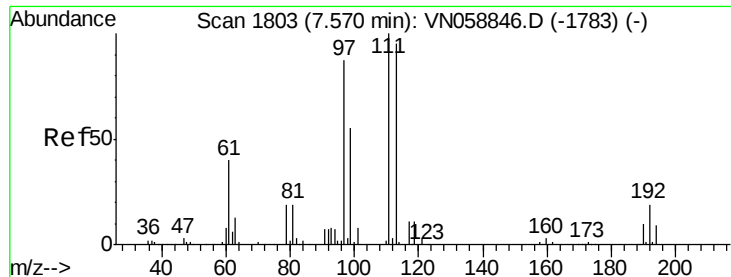
Tot Ion: 65 Resp: 250491
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Tgt Ion: 114 Resp: 552757
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 44.4
 88 16.6 0.0 31.4

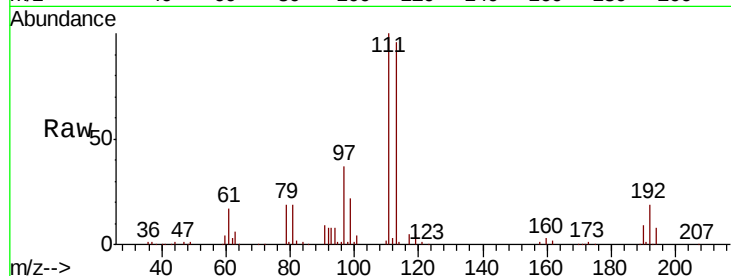




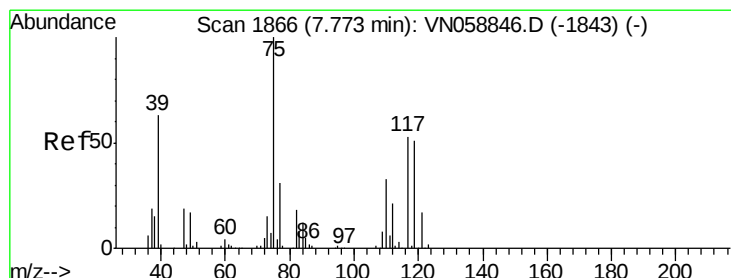
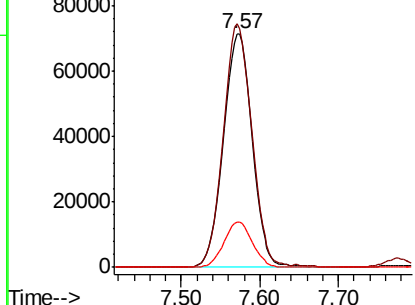
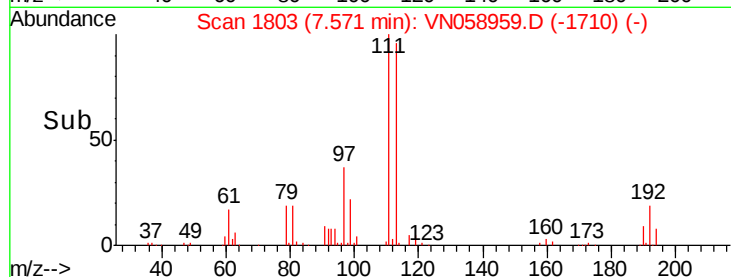
#35
 Dibromofluoromethane
 Concen: 49.644 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 180417
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 19.2 15.0 22.6

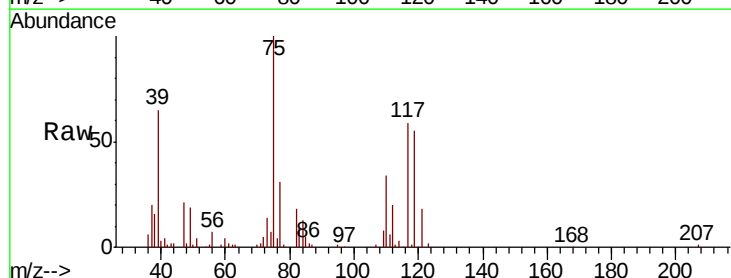


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

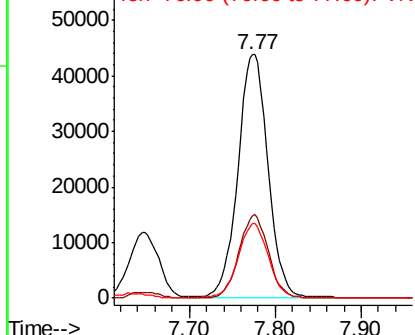
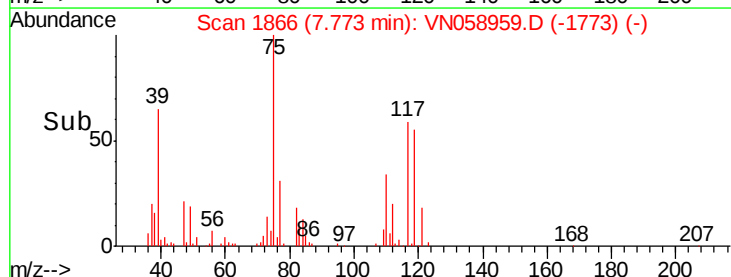


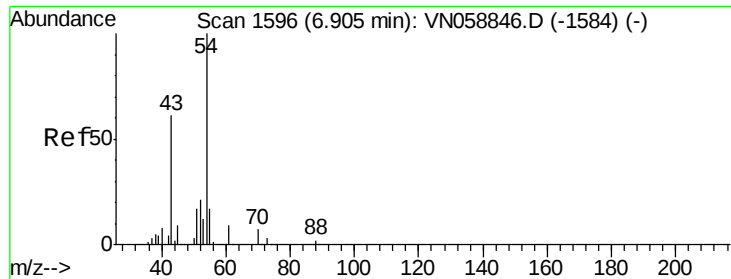
#36
 1,1-Dichloropropene
 Concen: 18.922 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Tgt Ion: 75 Resp: 107083
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.3 48.9
 77 30.8 24.6 36.8



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

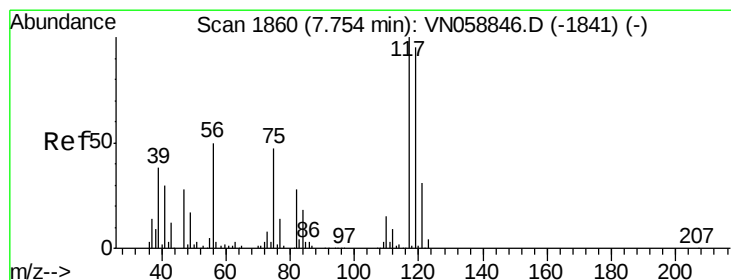
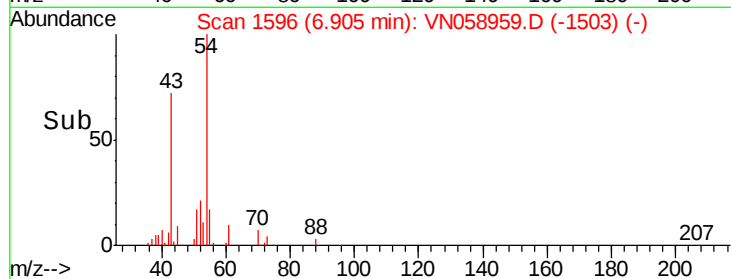
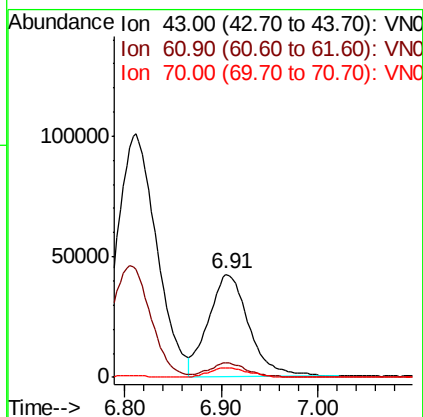
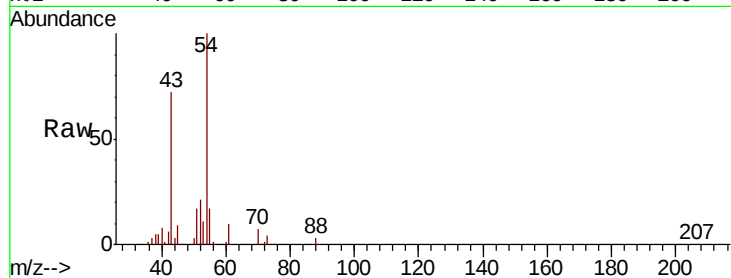




#37
Ethyl Acetate
Concen: 19.908 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

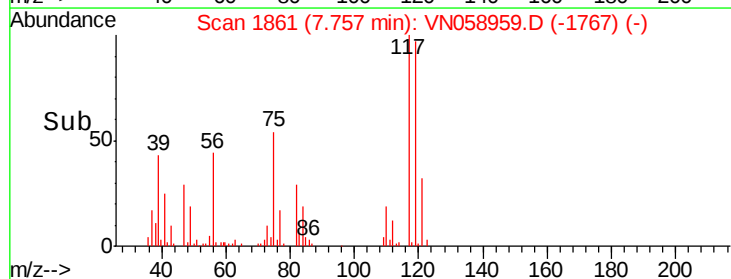
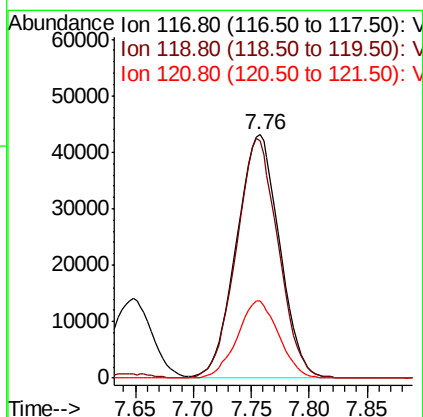
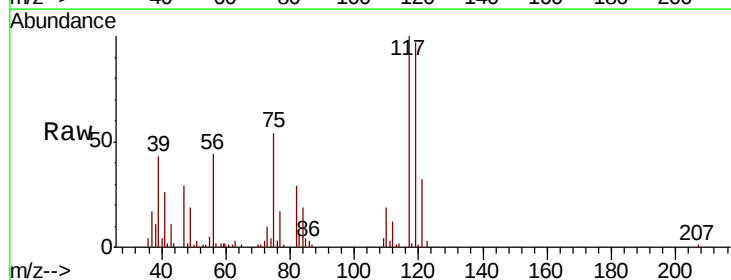
Instrument :
MSVOA_N
ClientSampled :

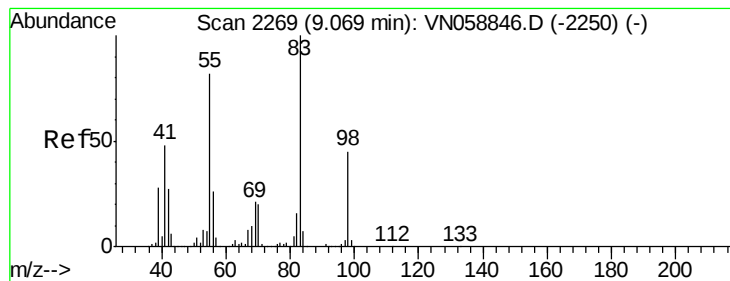
Tot Ion: 43 Resp: 122760
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.109 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 117 Resp: 111405
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 31.6 25.0 37.6





#39

Methvlcvclohexane

Concen: 18.094 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

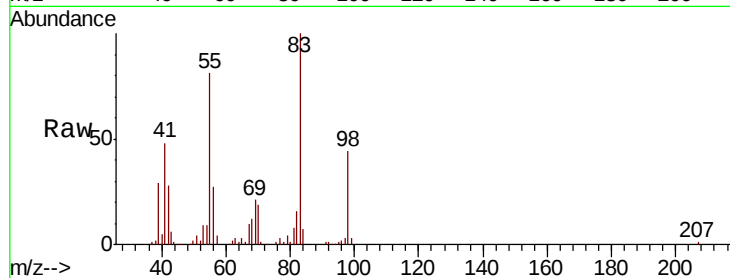
Tot Ion: 83 Resp: 114976

Ion Ratio Lower Upper

83 100

55 80.9 65.5 98.3

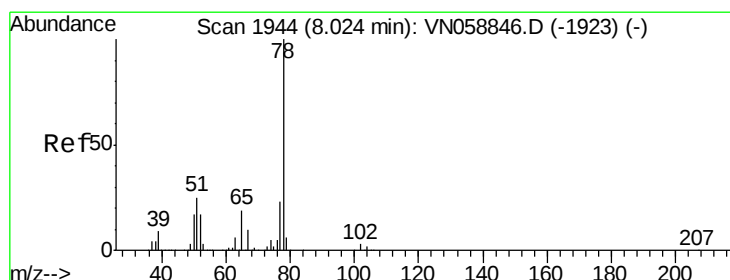
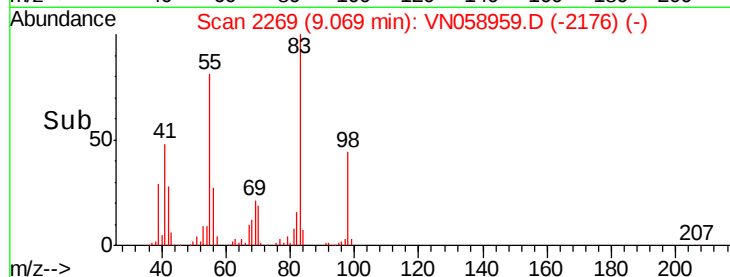
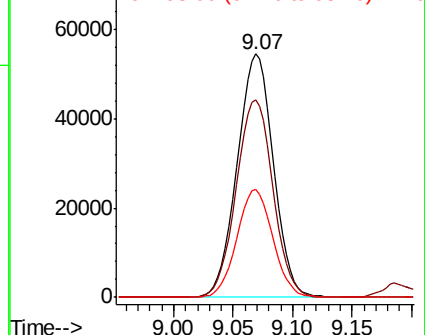
98 44.3 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.627 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058959.D

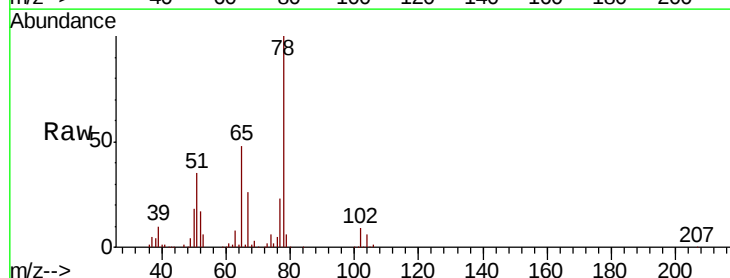
Acq: 24 Oct 2019 14:28

Tgt Ion: 78 Resp: 326157

Ion Ratio Lower Upper

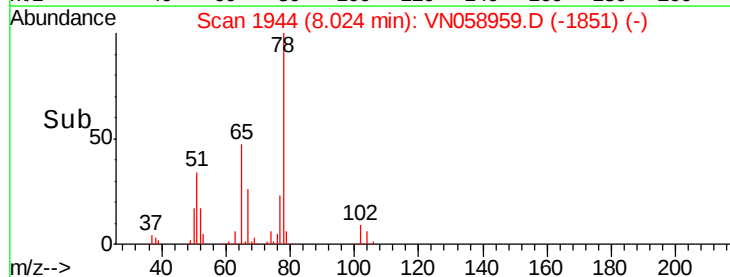
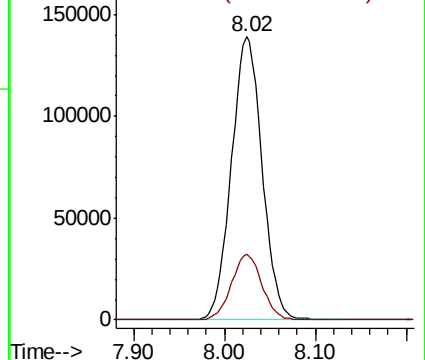
78 100

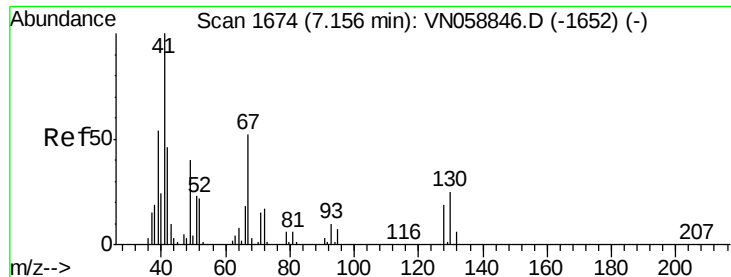
77 23.1 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

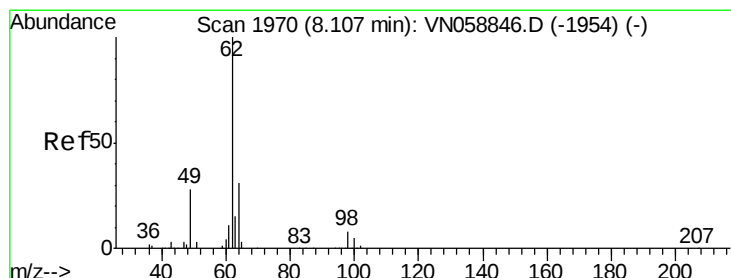
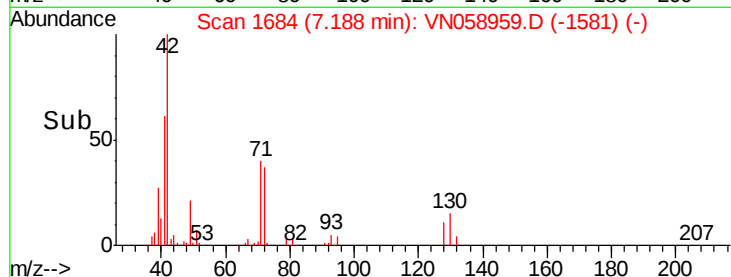
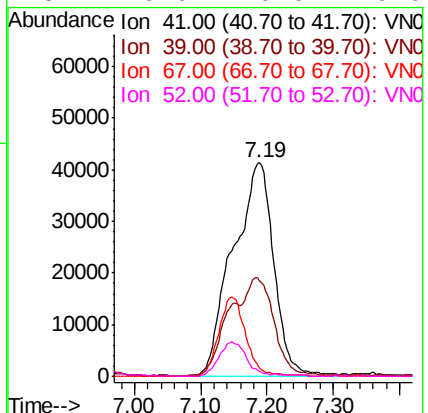
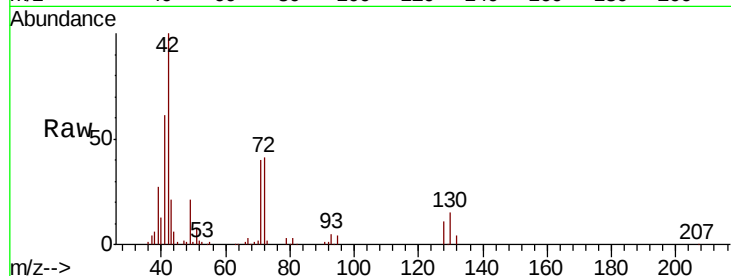




#41
Methacrylonitrile
Concen: 64.417 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

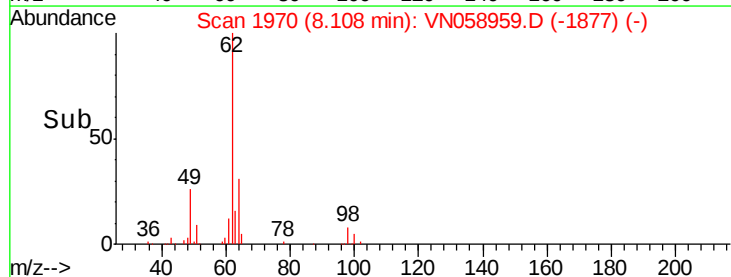
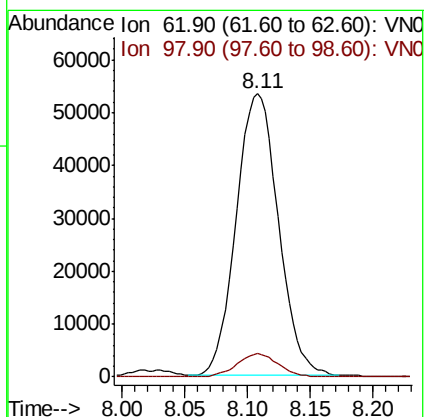
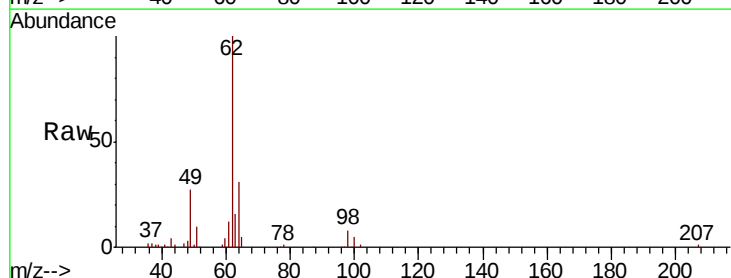
Instrument :
MSVOA_N
ClientSampled :

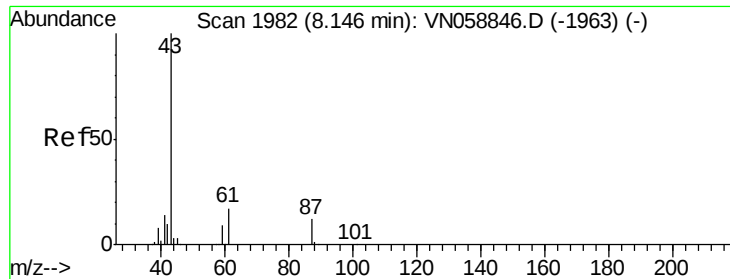
Tot Ion:	41	Resp:	176909
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.508 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion:	62	Resp:	124879
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2

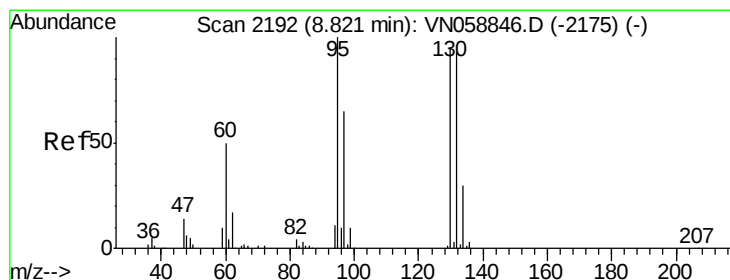
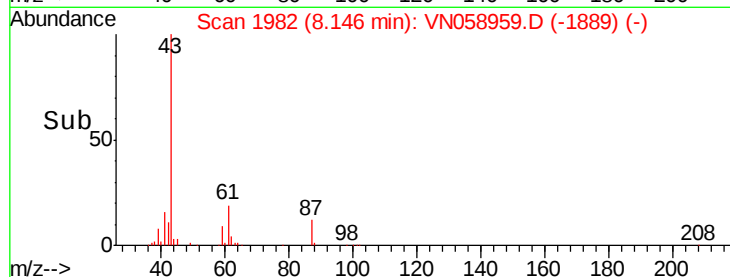
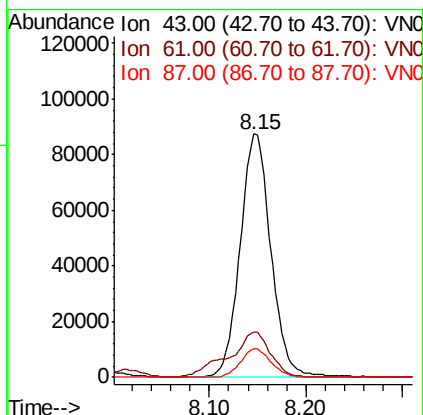
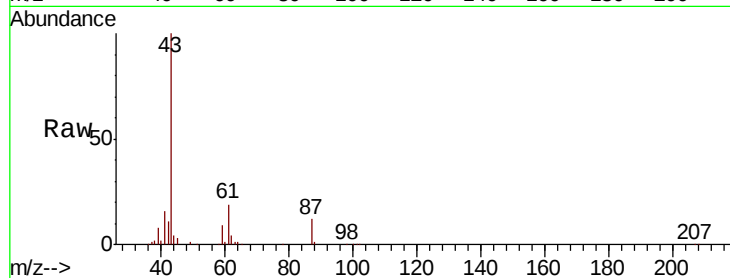




#43
Isopropyl Acetate
Concen: 19.538 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

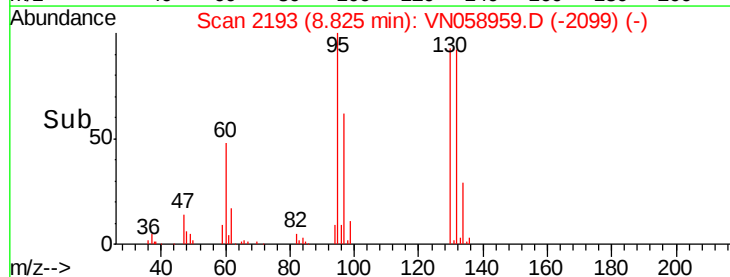
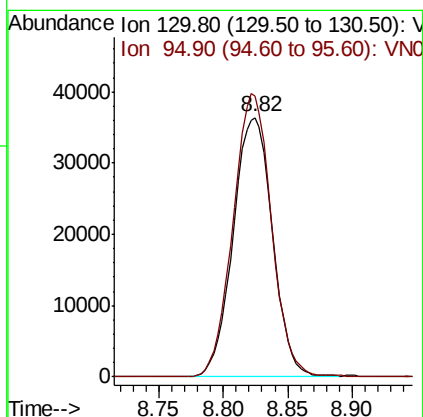
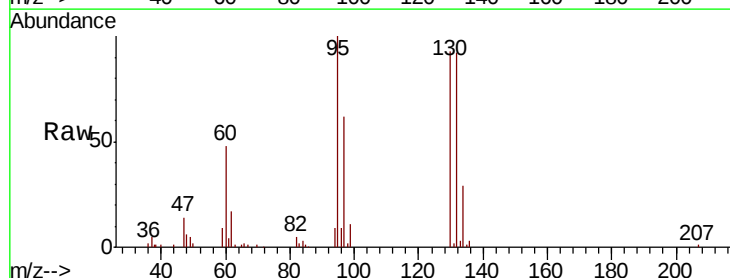
Instrument :
MSVOA_N
ClientSampleId :

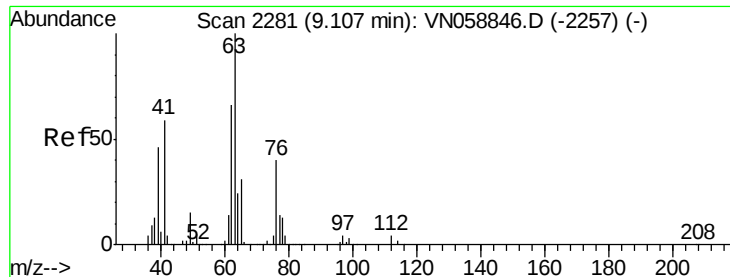
Tot Ion: 43 Resp: 193213
Ion Ratio Lower Upper
43 100
61 25.2 20.2 30.2
87 11.7 9.5 14.3



#44
Trichloroethene
Concen: 19.078 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion:130 Resp: 77230
Ion Ratio Lower Upper
130 100
95 108.1 0.0 209.6





#45

1,2-Dichloropropane

Concen: 19.905 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

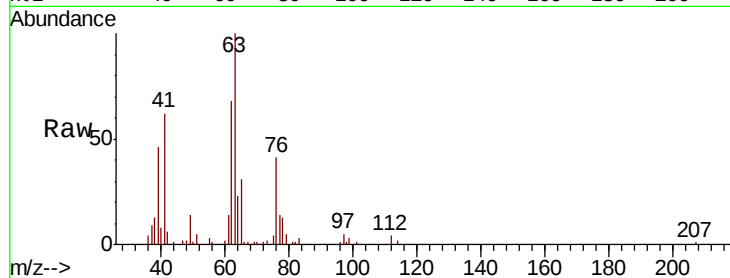
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 90705

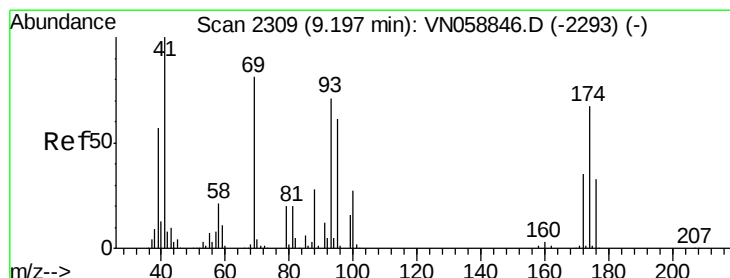
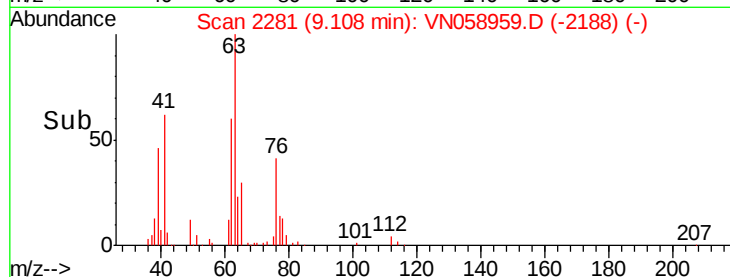
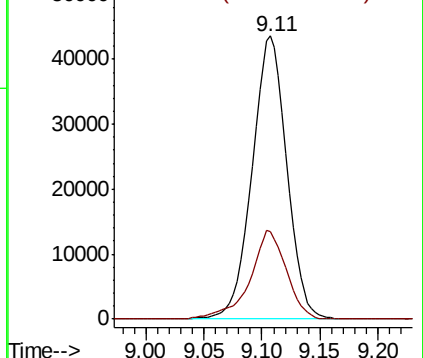
Ion Ratio Lower Upper

63 100

65 30.8 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.555 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

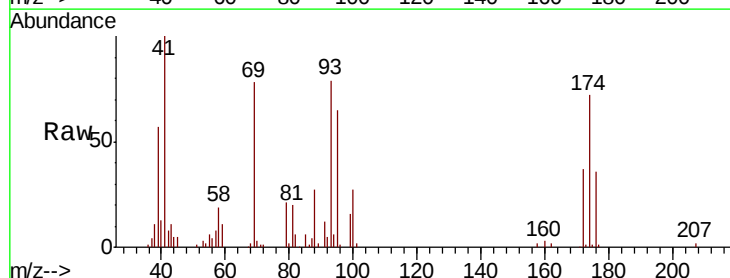
Tgt Ion: 93 Resp: 56334

Ion Ratio Lower Upper

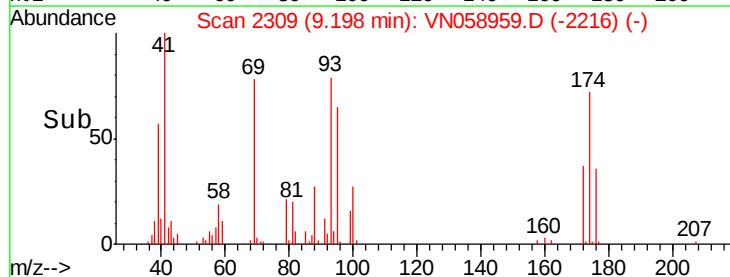
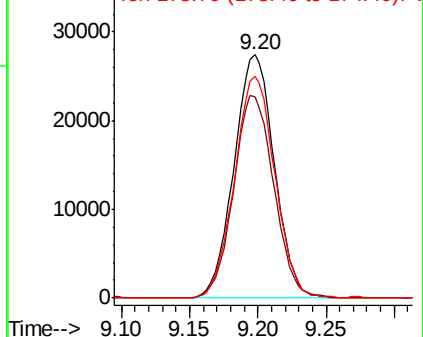
93 100

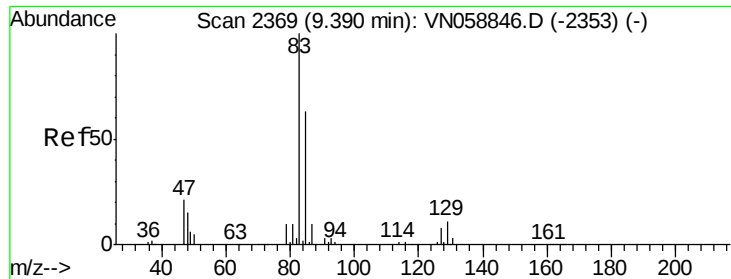
95 82.9 67.6 101.4

174 91.3 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

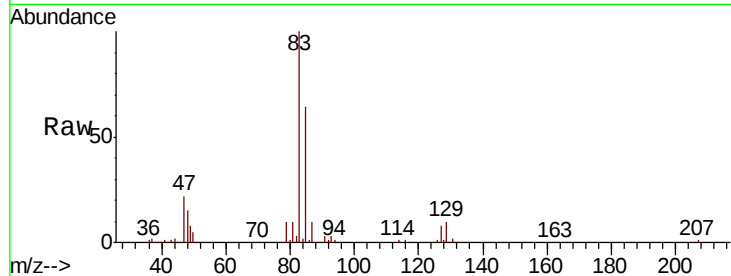




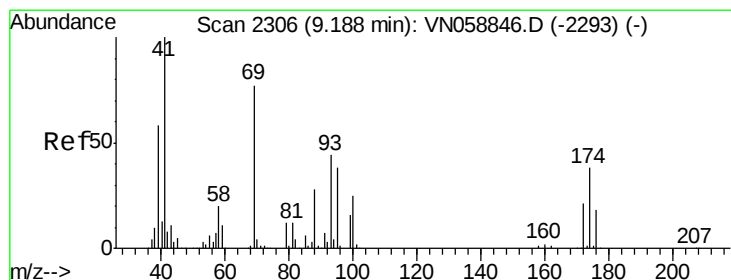
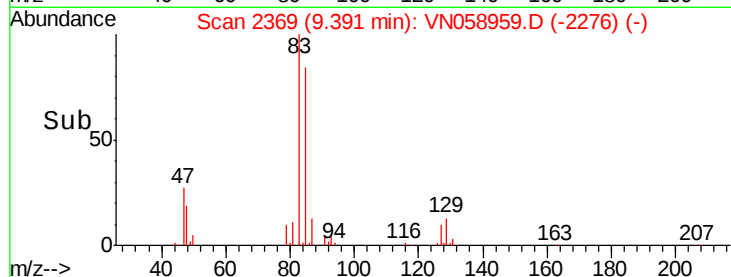
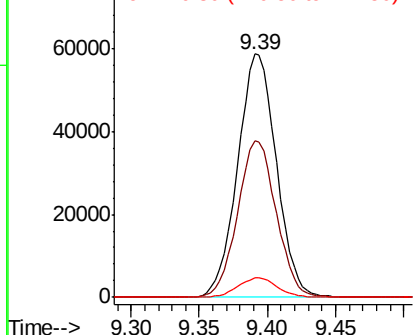
#47
Bromodichloromethane
Concen: 19.528 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 115944
Ion Ratio Lower Upper
83 100
85 64.2 50.6 75.8
127 7.9 6.5 9.7

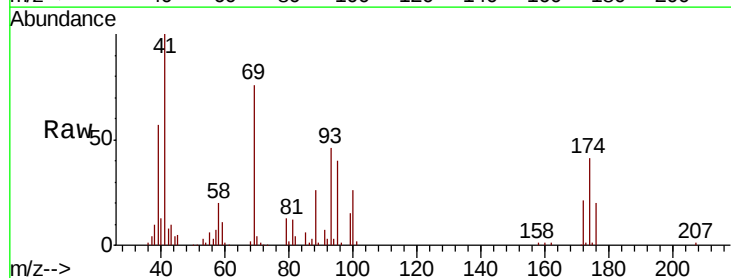


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

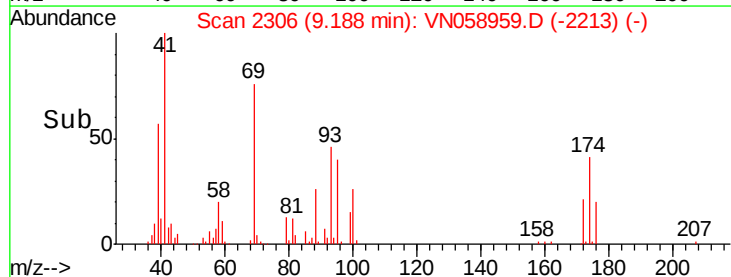
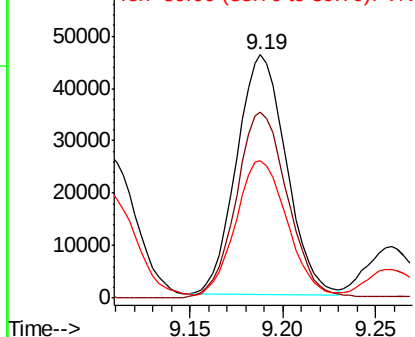


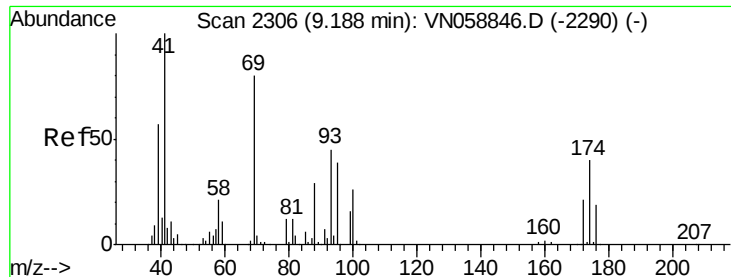
#48
Methyl methacrylate
Concen: 18.992 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 41 Resp: 85213
Ion Ratio Lower Upper
41 100
69 81.0 63.8 95.6
39 59.7 47.8 71.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

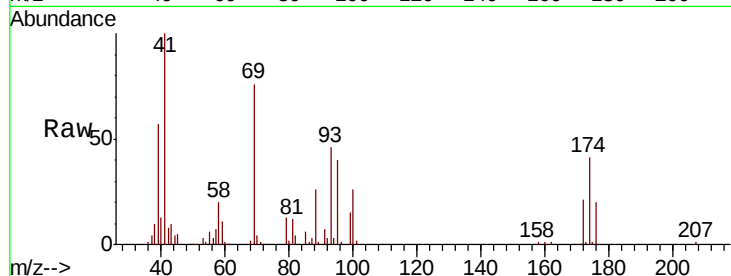




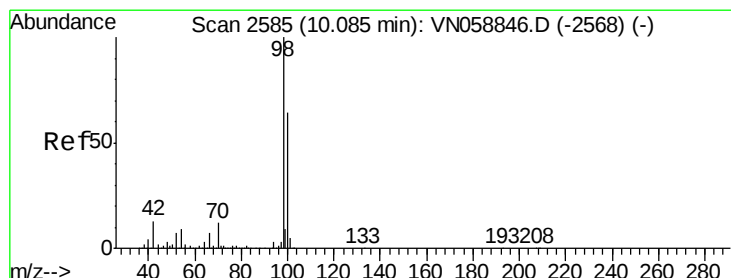
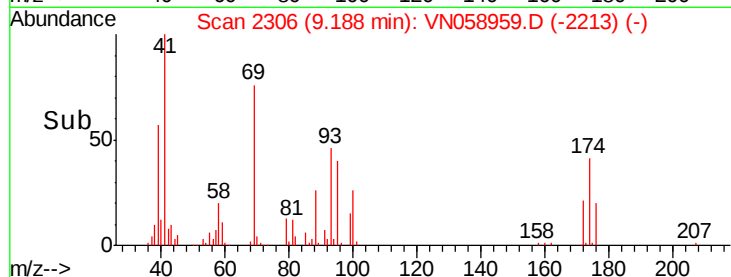
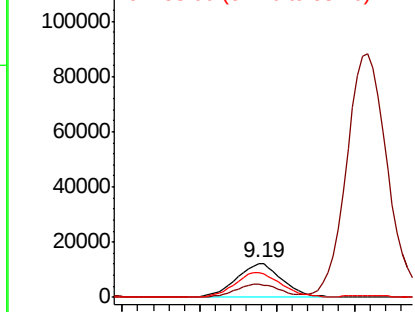
#49
1,4-Dioxane
Concen: 338.963 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 24966
Ion Ratio Lower Upper
88 100
43 38.2 29.1 43.7
58 75.0 59.4 89.0

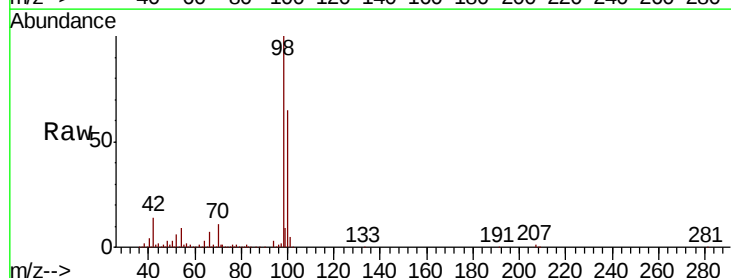


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

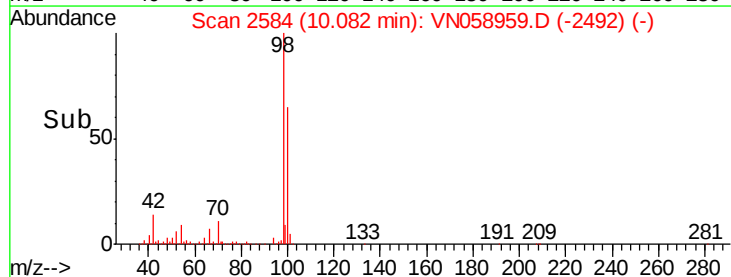
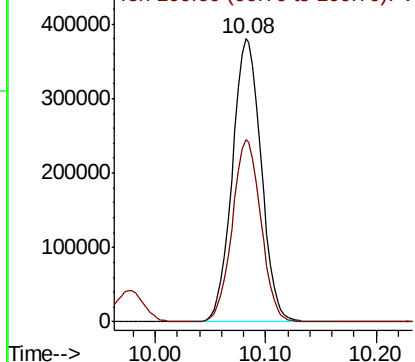


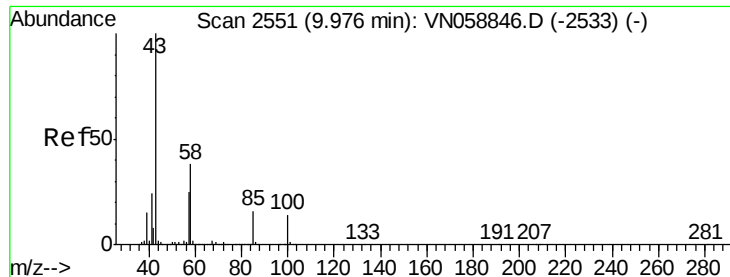
#50
Toluene-d8
Concen: 48.744 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 98 Resp: 687666
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



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: 104.697 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

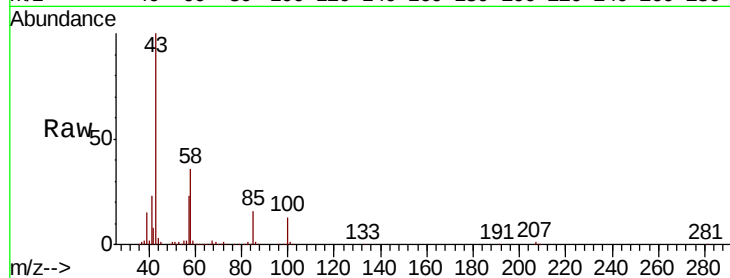
ClientSampleId :

Tot Ion: 43 Resp: 604756

Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

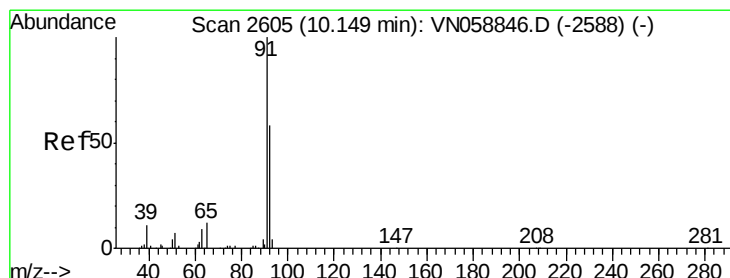
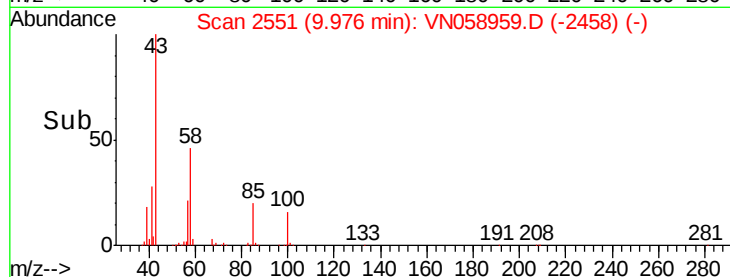
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.837 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058959.D

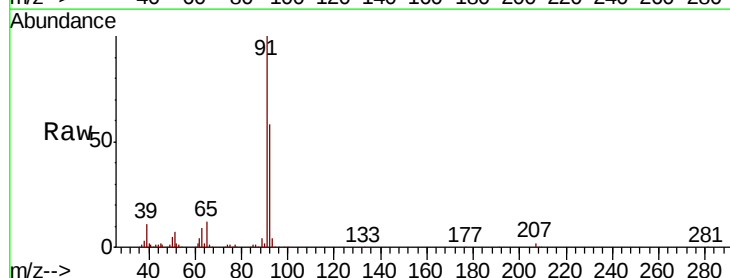
Acq: 24 Oct 2019 14:28

Tgt Ion: 92 Resp: 195481

Ion Ratio Lower Upper

92 100

91 176.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

200000

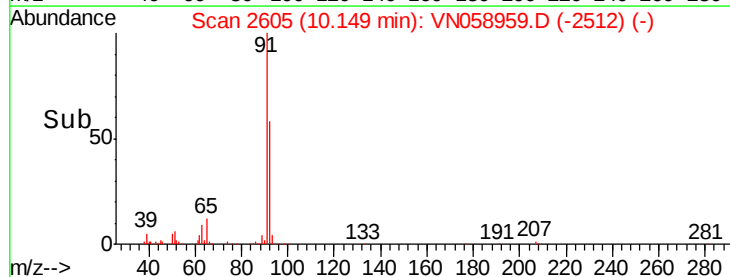
150000

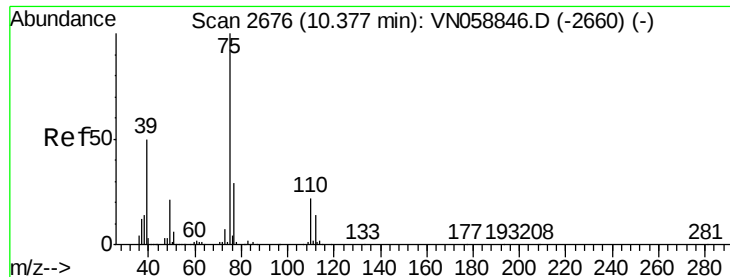
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.461 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

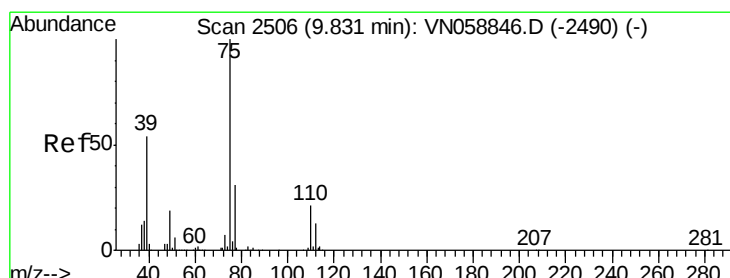
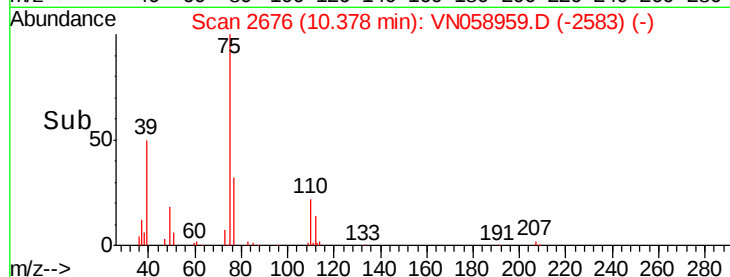
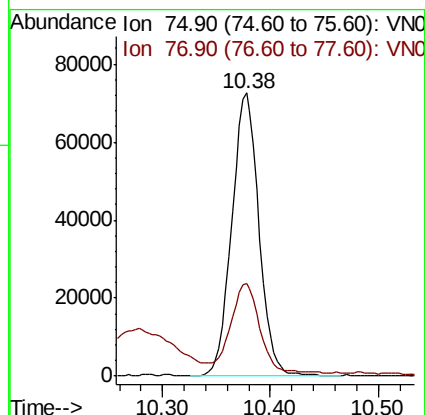
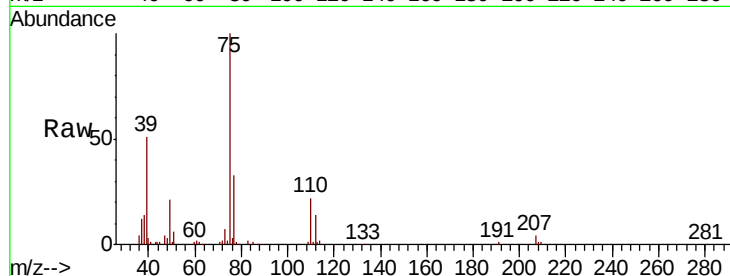
ClientSampleId :

Tot Ion: 75 Resp: 127914

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

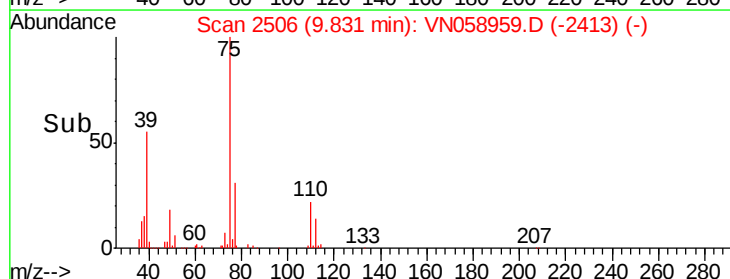
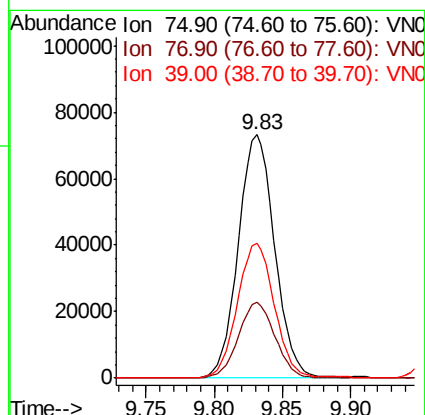
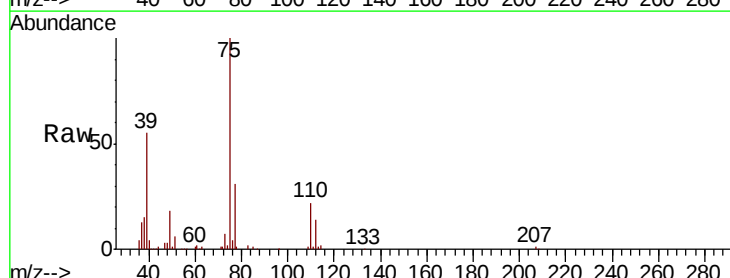
Tgt Ion: 75 Resp: 135669

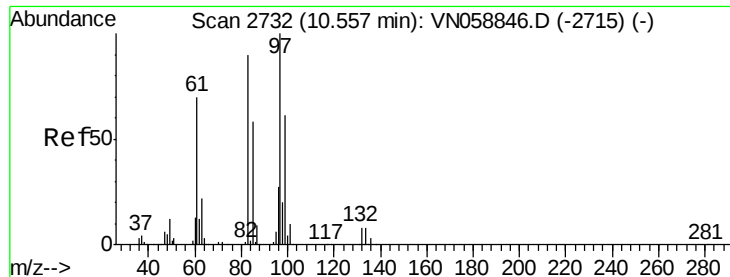
Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 55.4 43.5 65.3

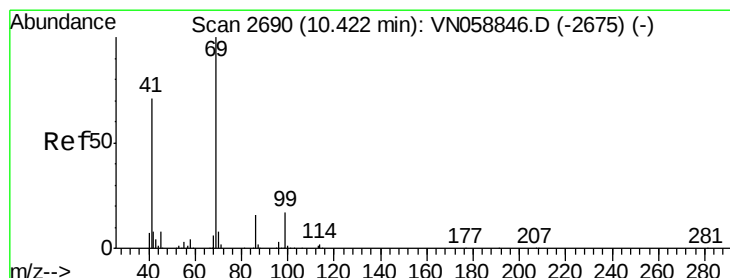
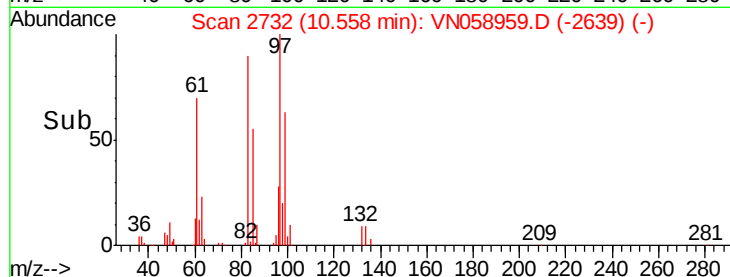
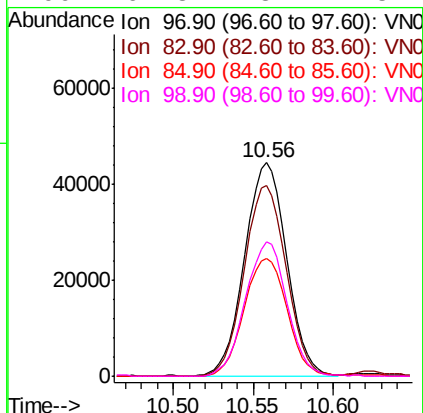
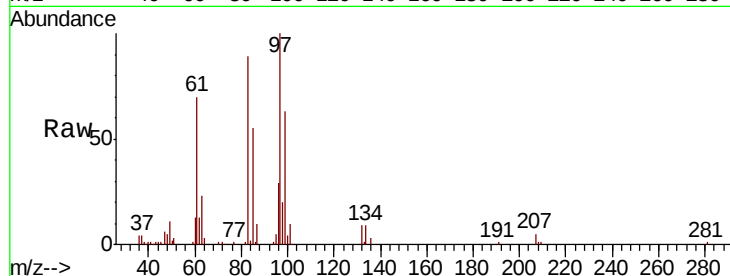




#55
 1,1,2-Trichloroethane
 Concen: 19.735 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

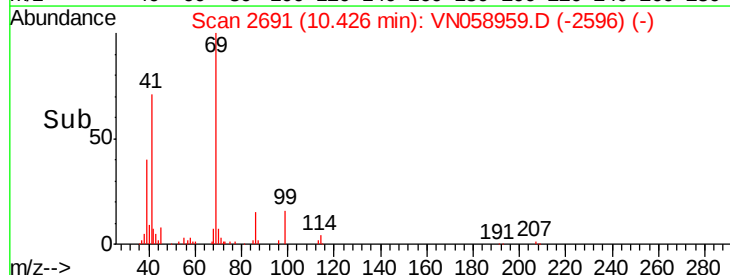
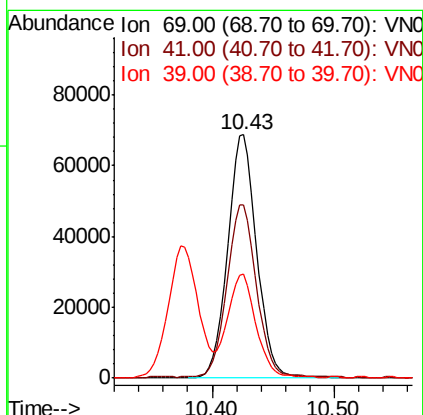
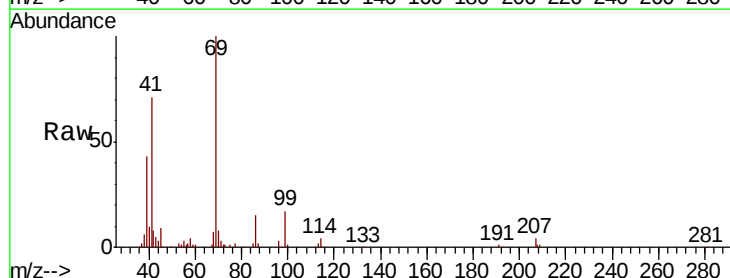
Instrument :
 MSVOA_N
 ClientSampleId :

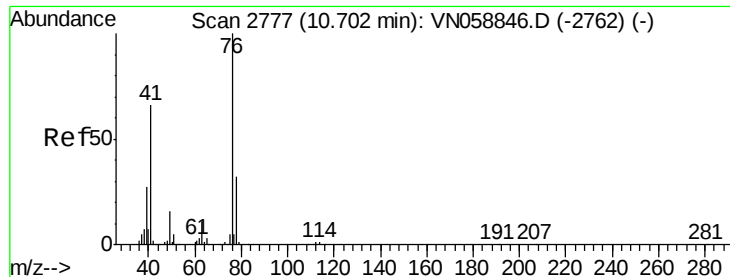
Tot Ion: 97 Resp: 80115
 Ion Ratio Lower Upper
 97 100
 83 89.3 72.2 108.4
 85 55.1 46.2 69.2
 99 62.8 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 18.178 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Tgt Ion: 69 Resp: 114461
 Ion Ratio Lower Upper
 69 100
 41 71.7 57.2 85.8
 39 42.2 31.0 46.4





#57

1,3-Dichloropropane

Concen: 19.471 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

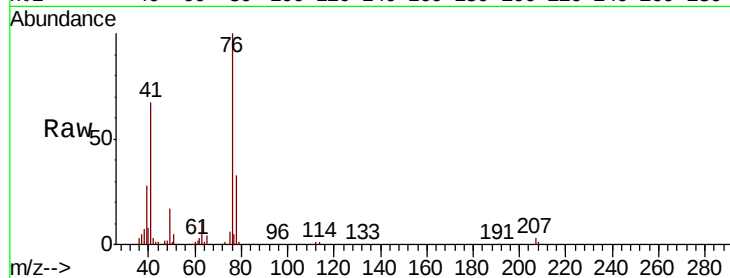
ClientSampleId :

Tot Ion: 76 Resp: 138733

Ion Ratio Lower Upper

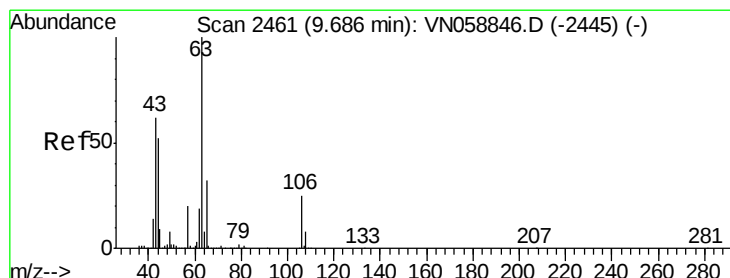
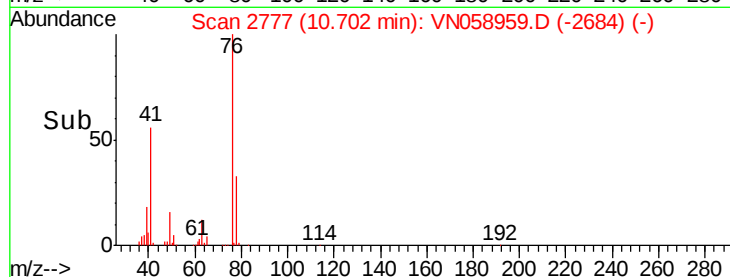
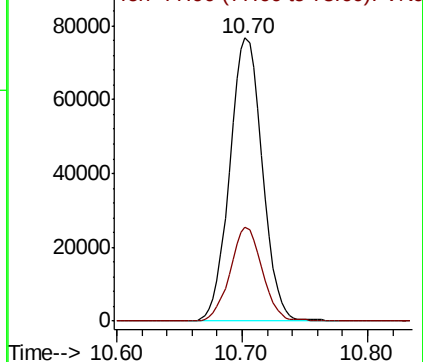
76 100

78 32.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.664 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058959.D

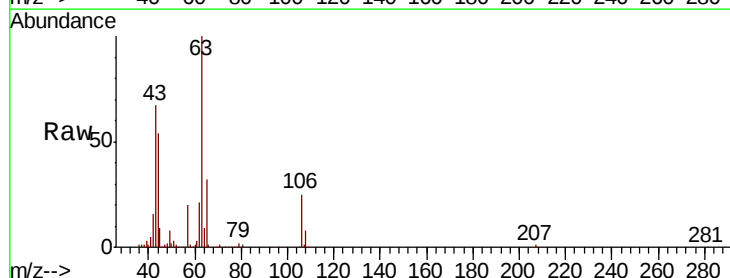
Acq: 24 Oct 2019 14:28

Tgt Ion: 63 Resp: 256334

Ion Ratio Lower Upper

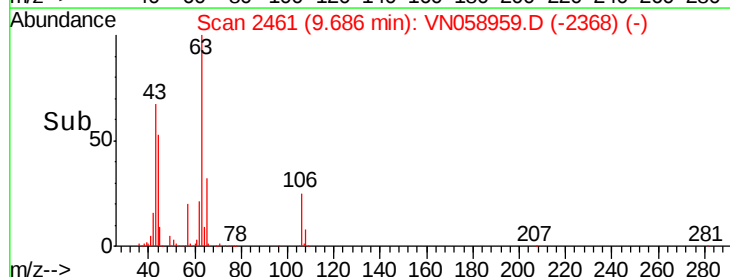
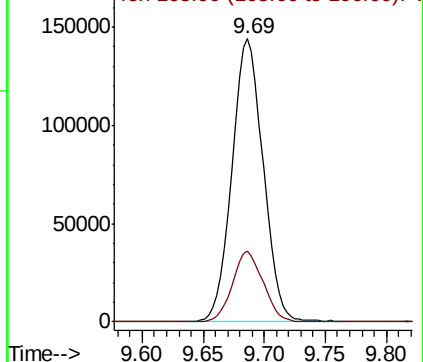
63 100

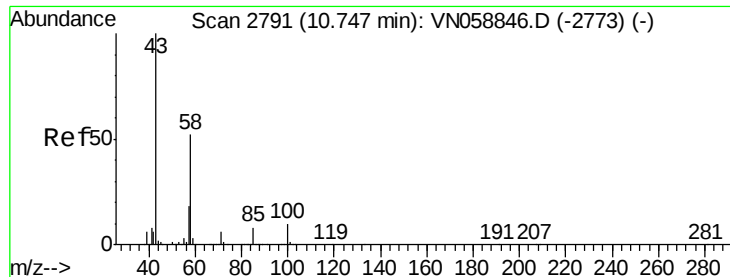
106 24.4 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

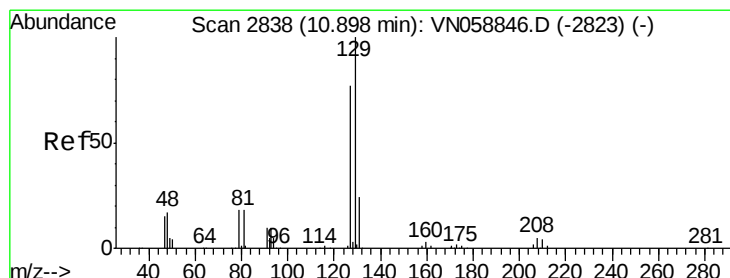
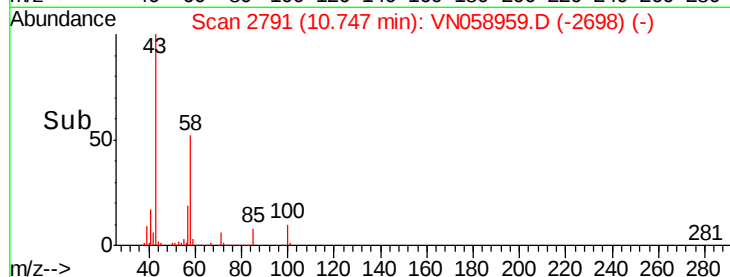
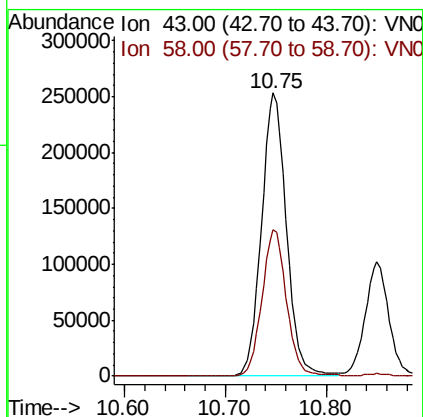
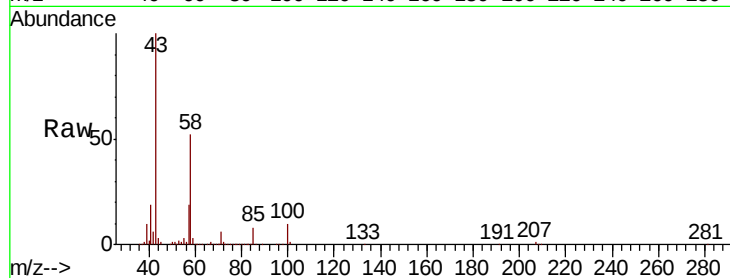




#59
2-Hexanone
Concen: 96.835 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

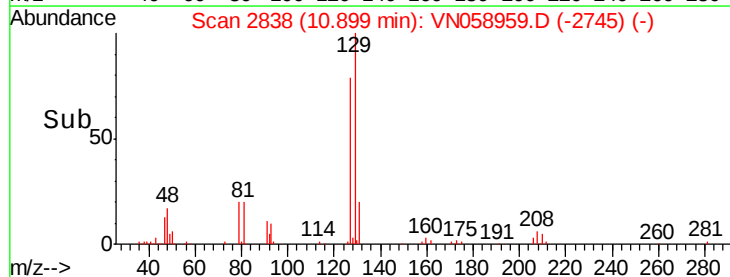
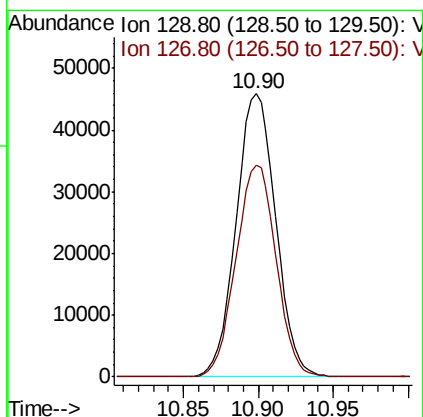
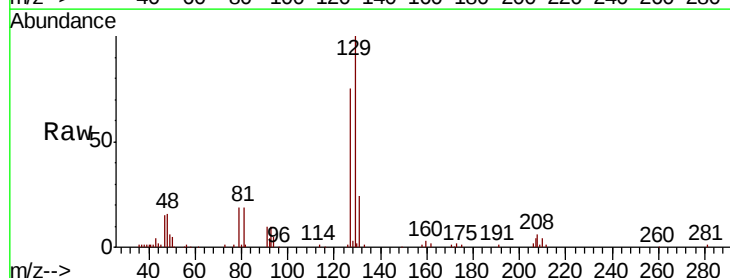
Instrument :
MSVOA_N
ClientSampled :

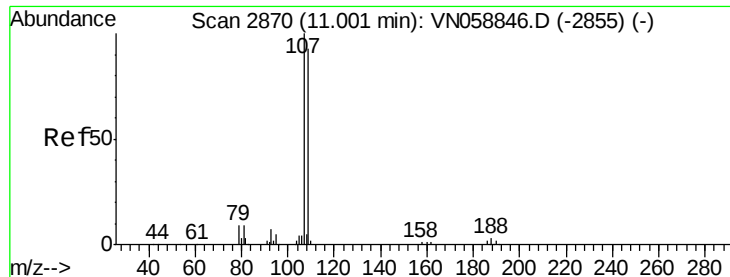
Tot Ion: 43 Resp: 432223
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7



#60
Dibromochloromethane
Concen: 19.350 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion: 129 Resp: 84554
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.039 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

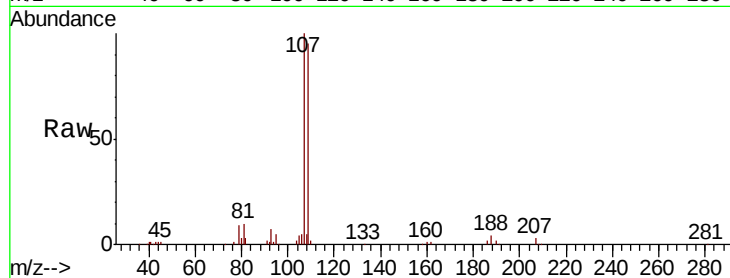
ClientSampleId :

Tot Ion:107 Resp: 79100

Ion Ratio Lower Upper

107 100

109 95.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

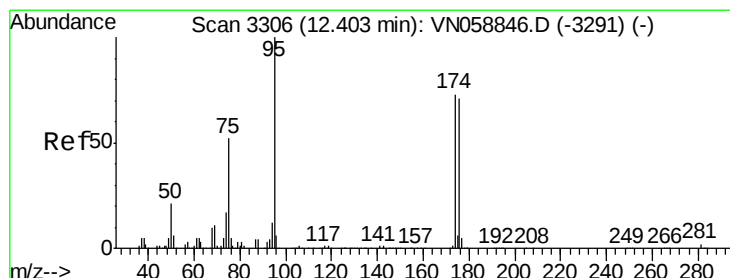
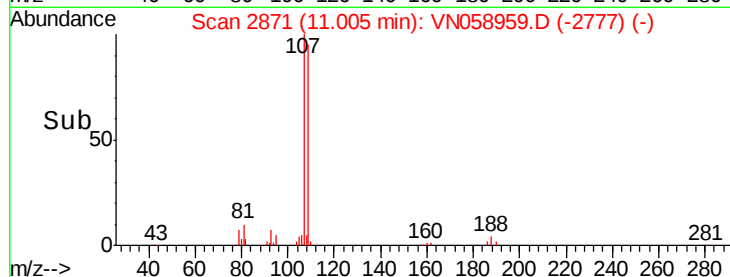
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 47.805 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

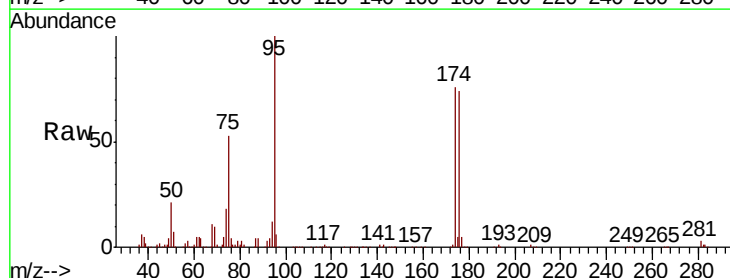
Tgt Ion: 95 Resp: 247662

Ion Ratio Lower Upper

95 100

174 75.4 0.0 147.6

176 72.6 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

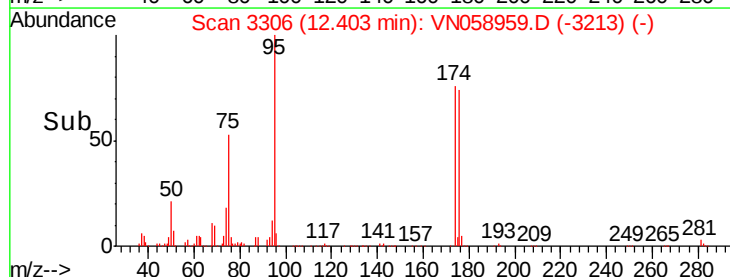
100000

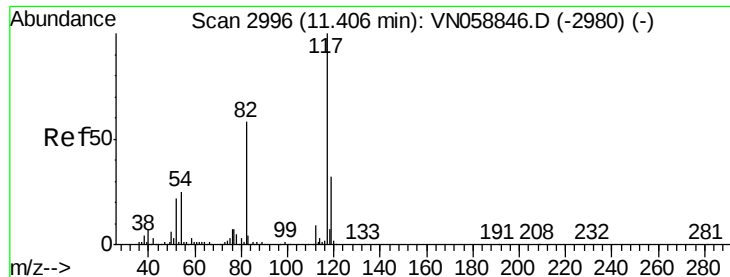
50000

0

Time-->

12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

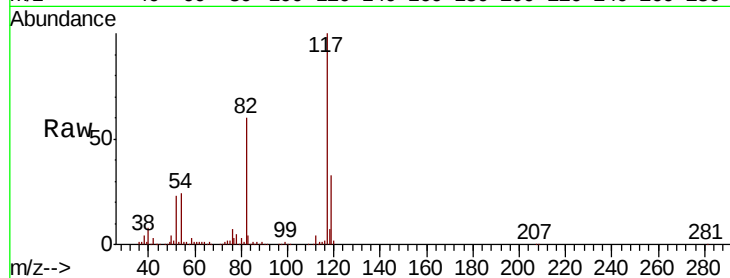
Tot Ion:117 Resp: 512831

Ion Ratio Lower Upper

117 100

82 59.6 46.6 69.8

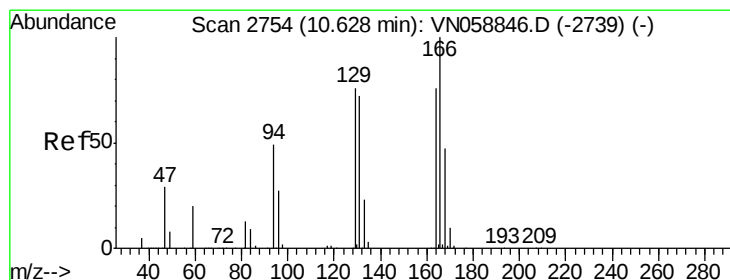
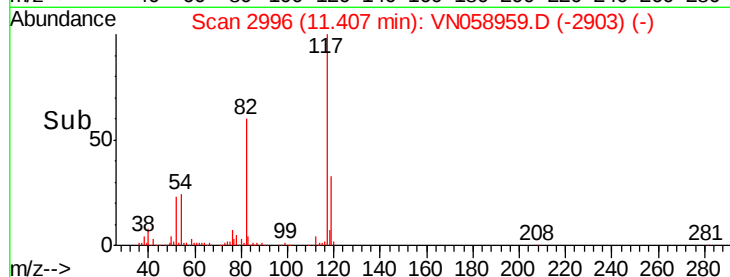
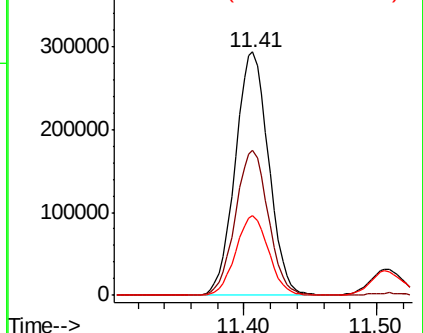
119 32.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.850 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Tgt Ion:164 Resp: 67702

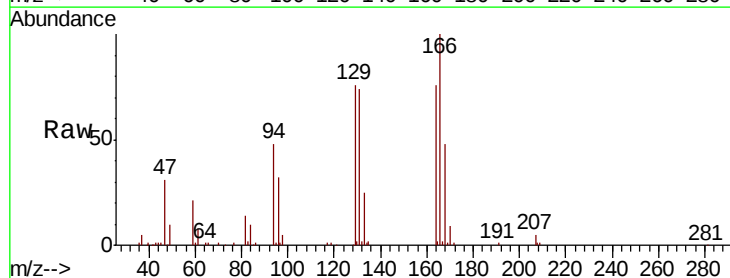
Ion Ratio Lower Upper

164 100

166 131.4 104.8 157.2

129 100.1 79.3 118.9

131 97.1 75.8 113.6

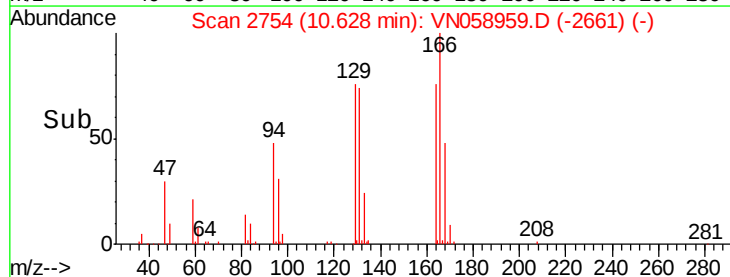
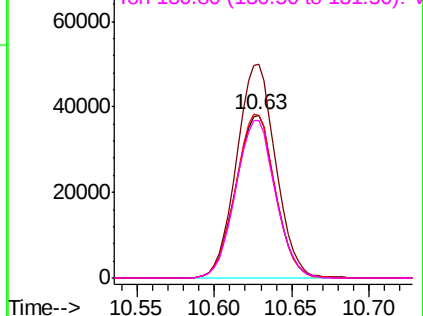


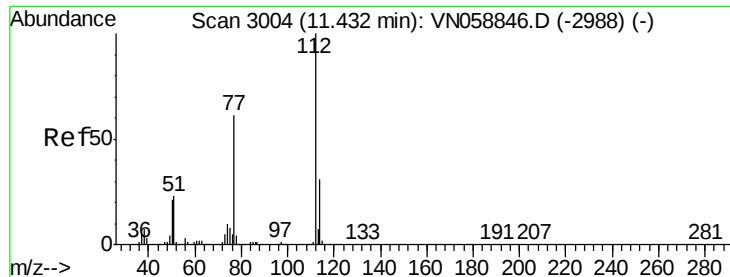
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.572 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

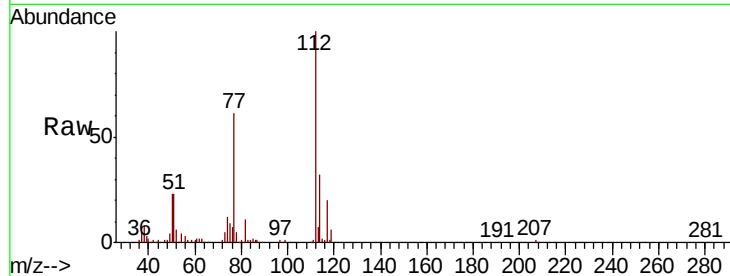
ClientSampled :

Tot Ion:112 Resp: 204342

Ion Ratio Lower Upper

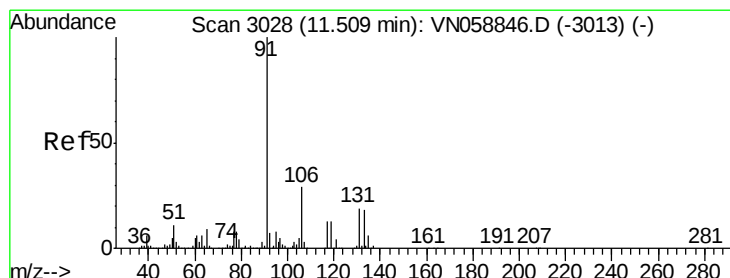
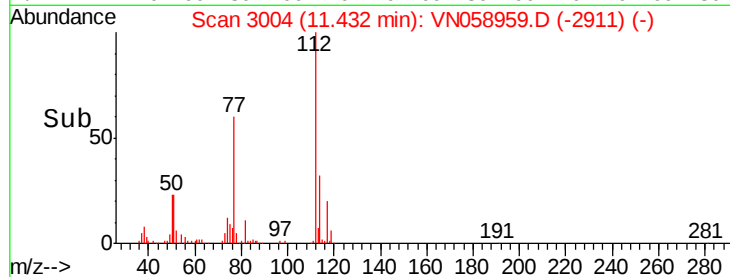
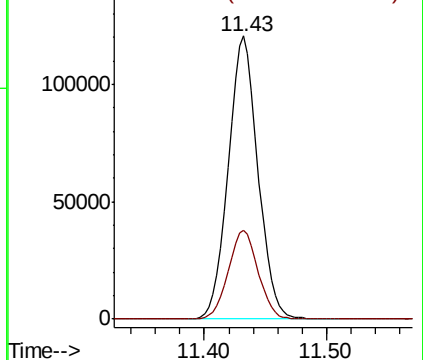
112 100

114 31.5 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

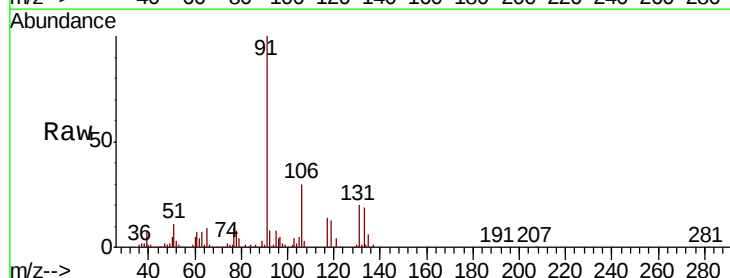
Tgt Ion:131 Resp: 77661

Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.2

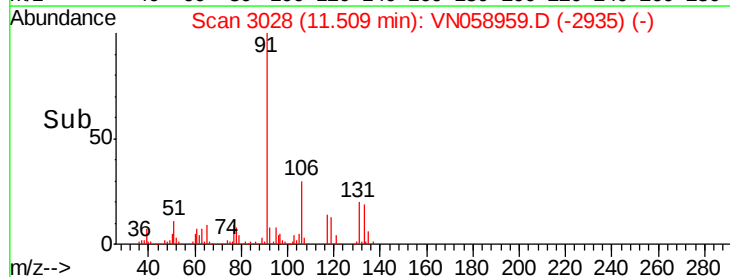
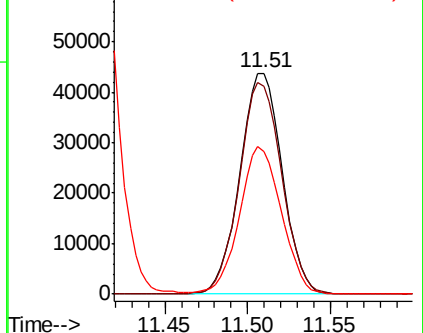
119 66.3 33.6 100.8

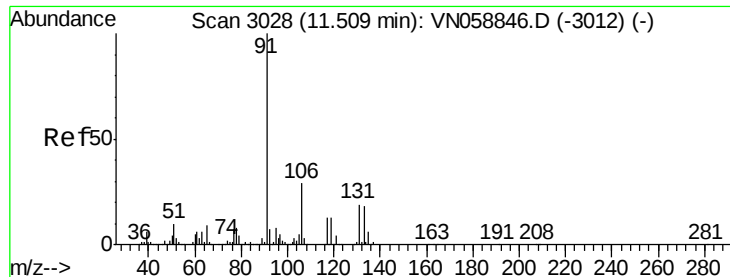


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.923 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

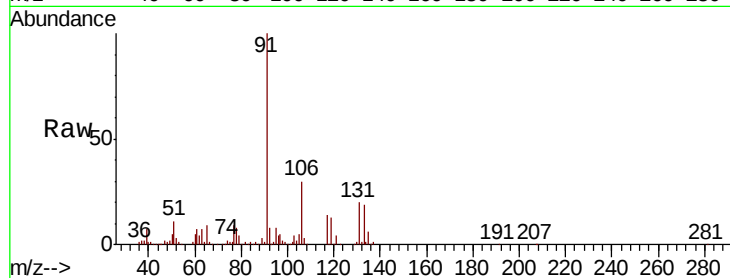
ClientSampled :

Tot Ion: 91 Resp: 364888

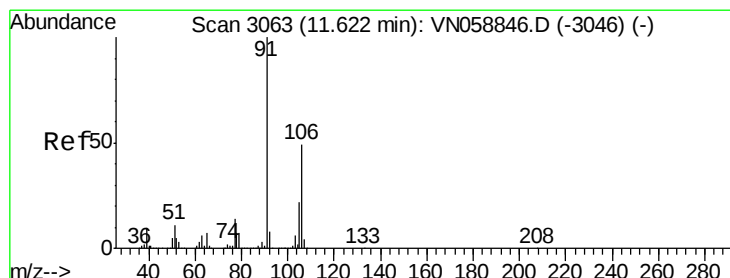
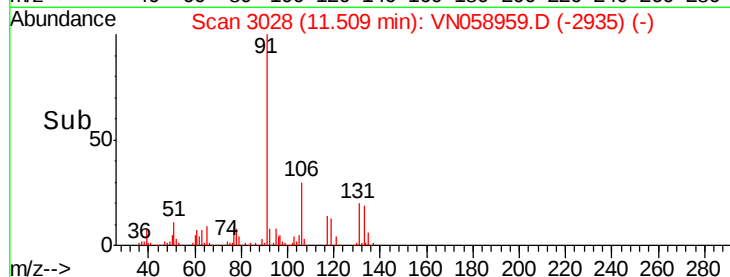
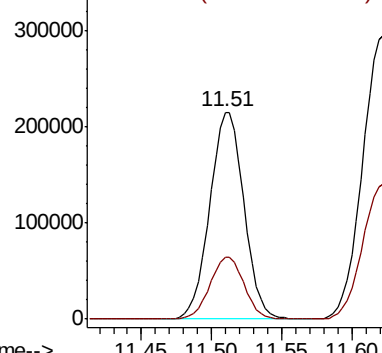
Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 39.799 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058959.D

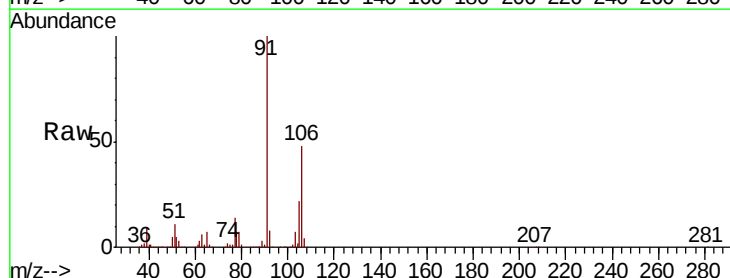
Acq: 24 Oct 2019 14:28

Tgt Ion: 106 Resp: 270319

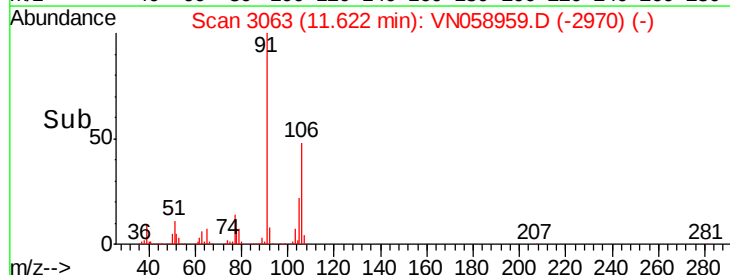
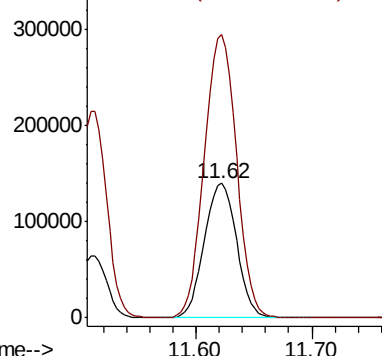
Ion Ratio Lower Upper

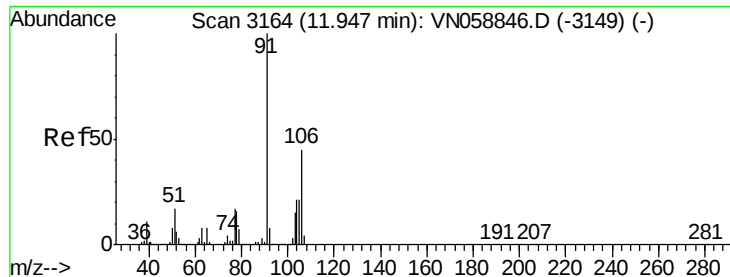
106 100

91 209.7 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)





#69

o-Xylene

Concen: 19.588 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

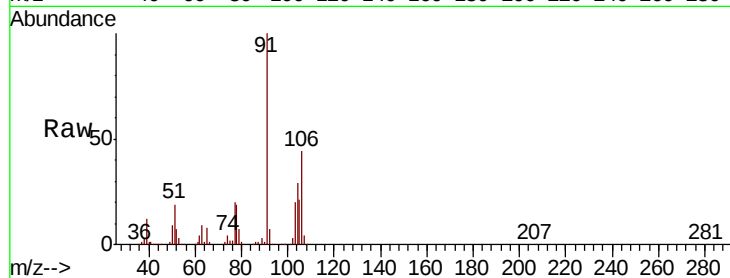
ClientSampleId :

Tot Ion:106 Resp: 126886

Ion Ratio Lower Upper

106 100

91 222.0 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

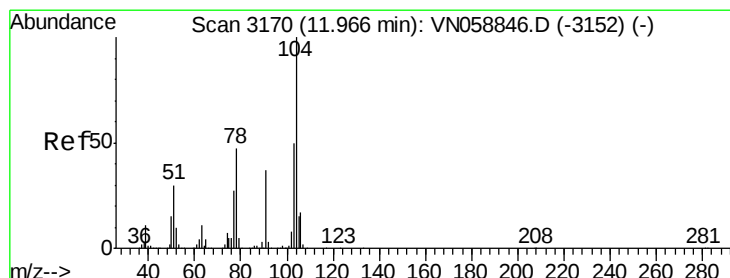
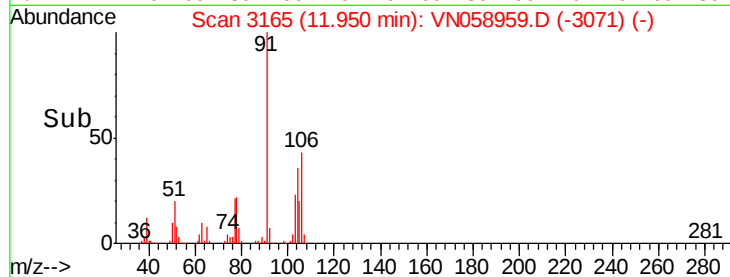
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.284 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

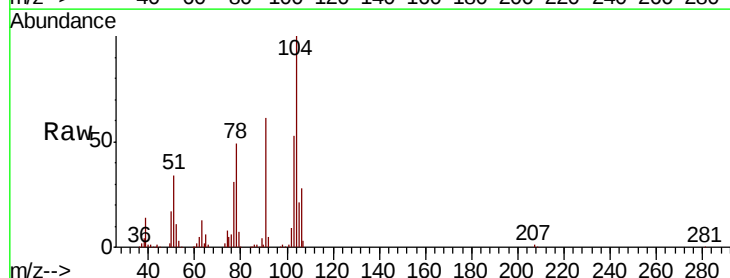
Tgt Ion:104 Resp: 205171

Ion Ratio Lower Upper

104 100

78 53.3 42.8 64.2

103 55.9 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

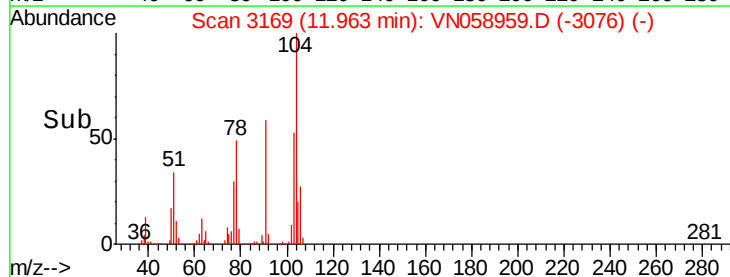
100000

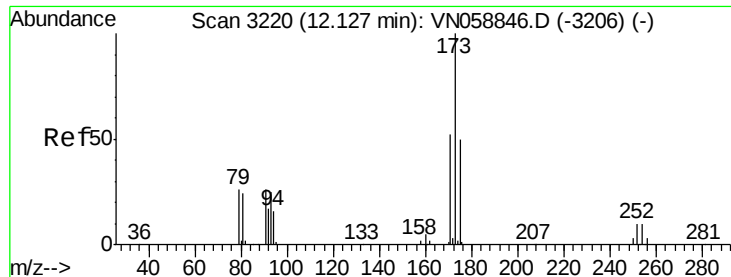
50000

0

11.90 11.96 12.00

Time-->

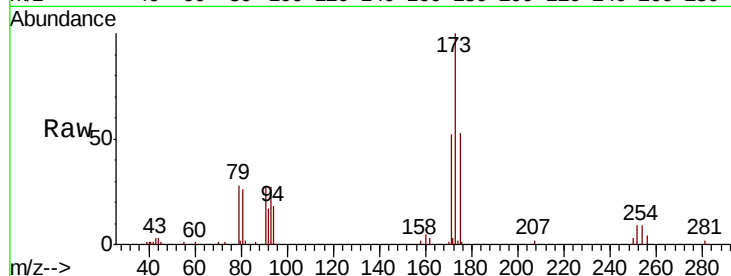




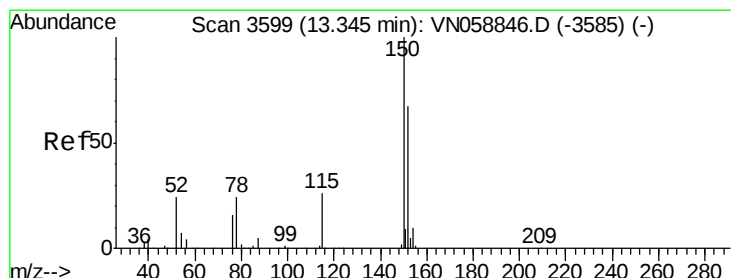
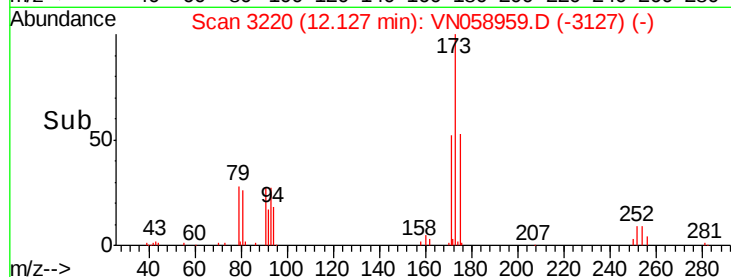
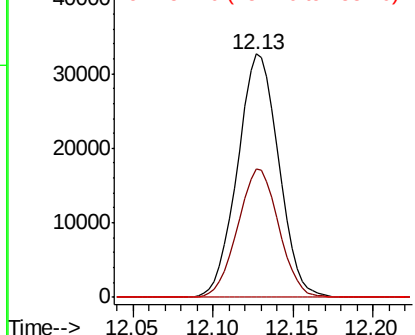
#71
Bromoform
Concen: 18.785 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 57389
Ion Ratio Lower Upper
173 100
175 52.5 24.7 74.1
254 0.0 0.0 0.0

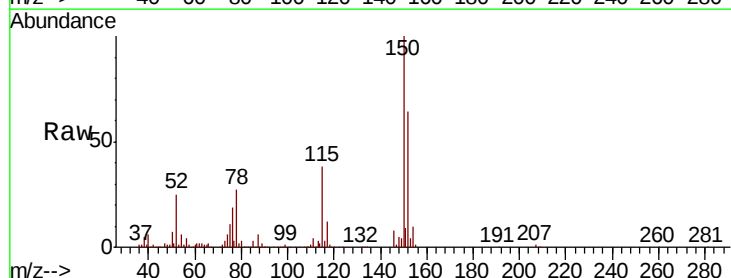


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

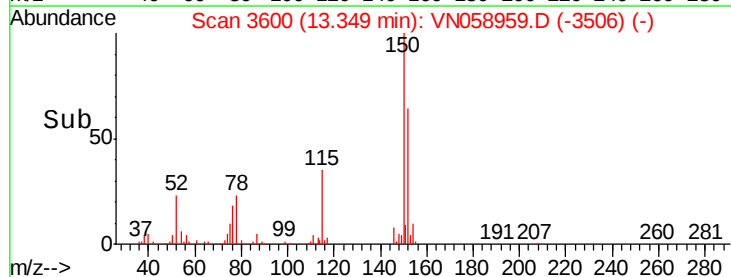
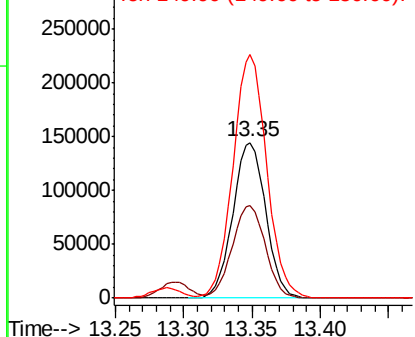


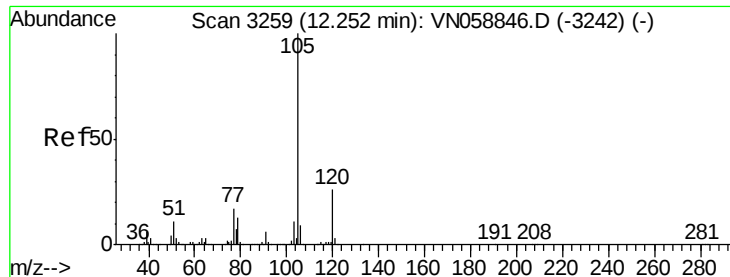
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion:152 Resp: 242259
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 160.0 0.0 344.4



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: 19.711 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

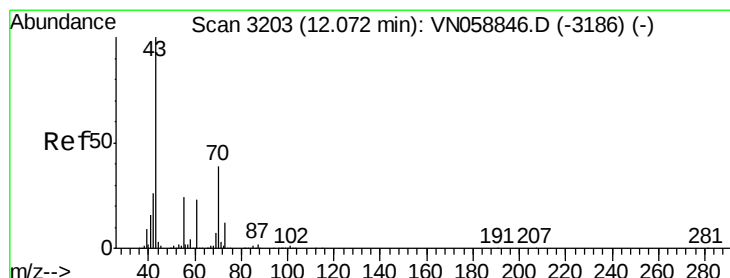
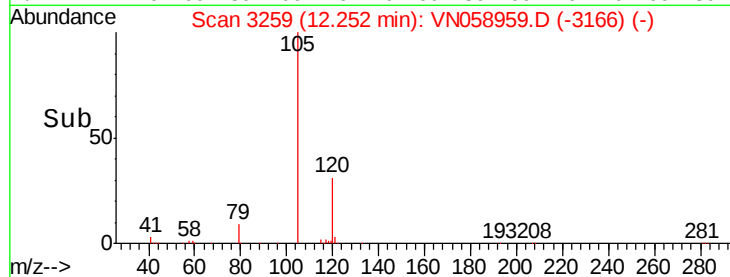
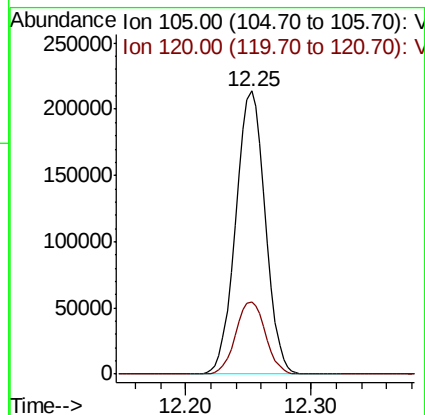
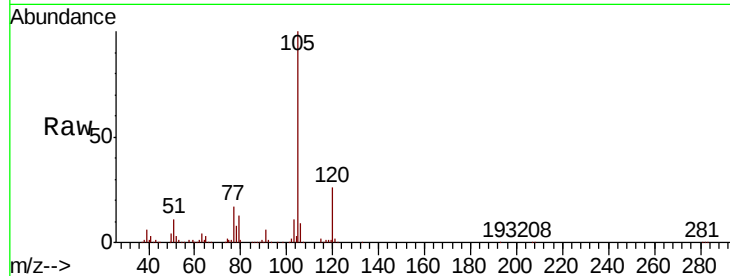
ClientSampleId :

Tot Ion: 105 Resp: 348976

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4



#74

N-ethyl acetate

Concen: 19.405 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Tgt Ion: 43 Resp: 155750

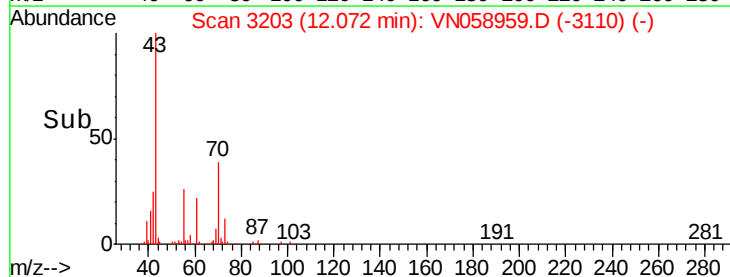
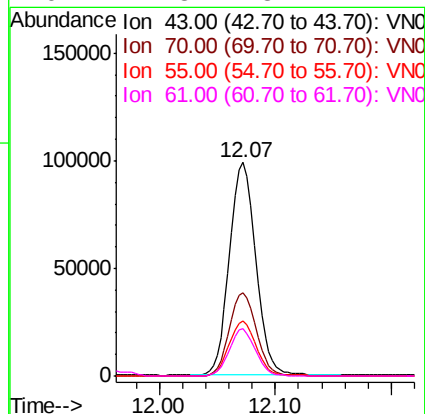
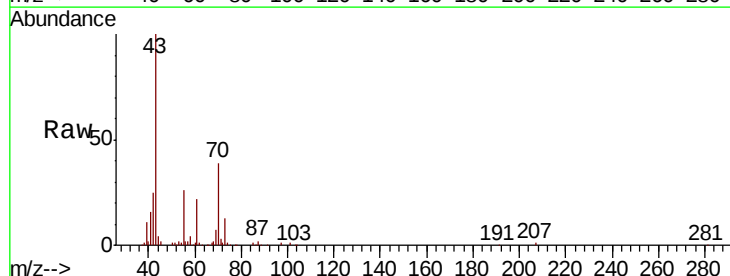
Ion Ratio Lower Upper

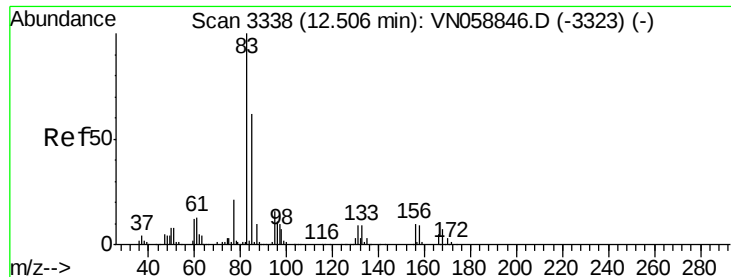
43 100

70 40.0 30.9 46.3

55 26.7 19.7 29.5

61 21.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.276 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

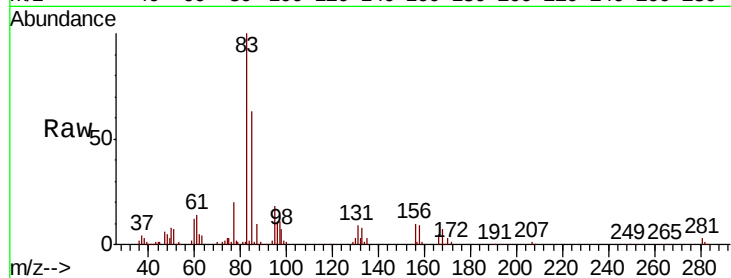
Tot Ion: 83 Resp: 119999

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.0	31.7	95.1

83 100

131 9.5 4.7 14.1

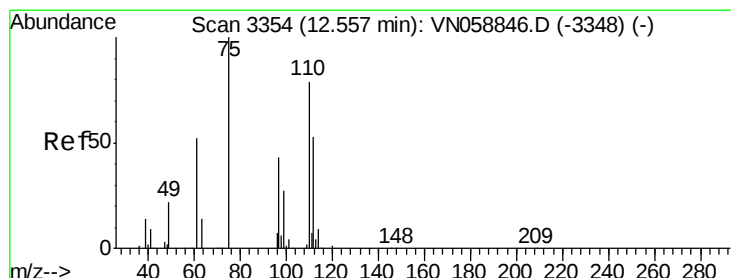
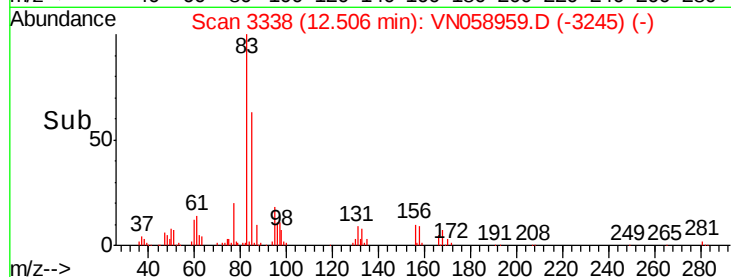
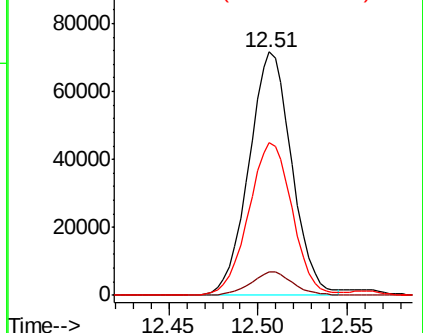
85 64.0 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.584 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058959.D

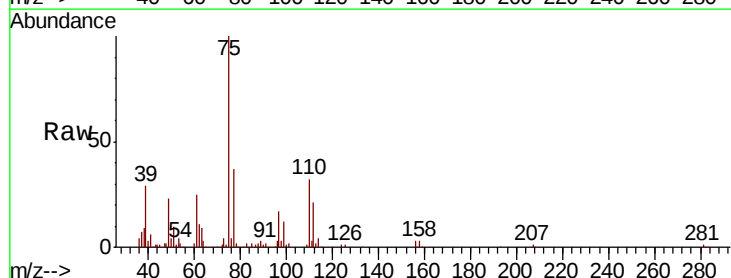
Acq: 24 Oct 2019 14:28

Tgt Ion: 75 Resp: 160491

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

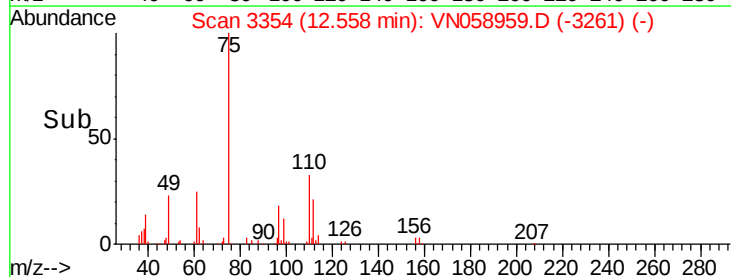
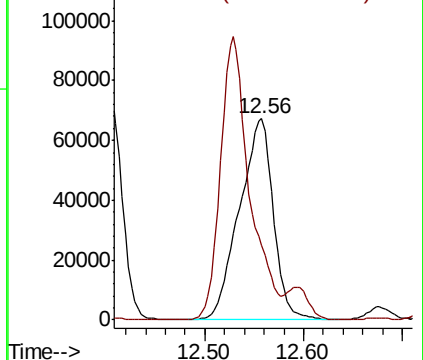
75 100

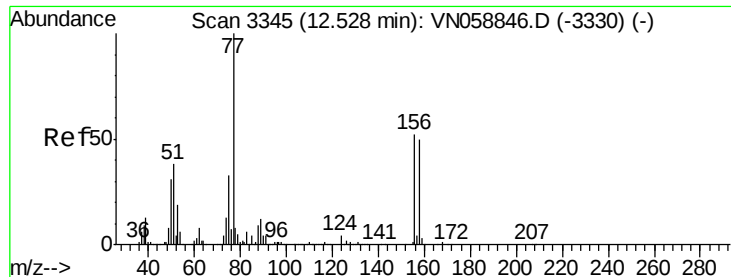
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.236 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

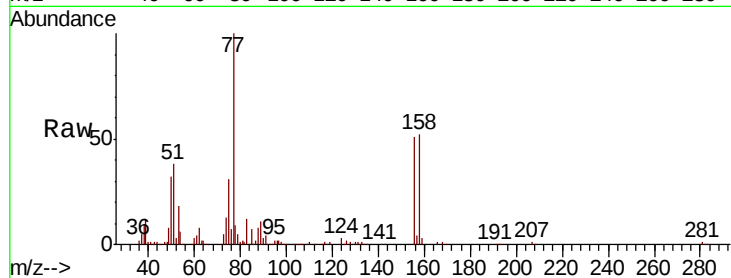
Tot Ion:156 Resp: 83943

Ion Ratio Lower Upper

156 100

77 234.0 118.0 354.0

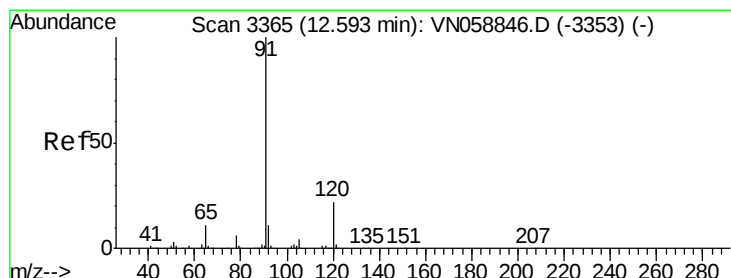
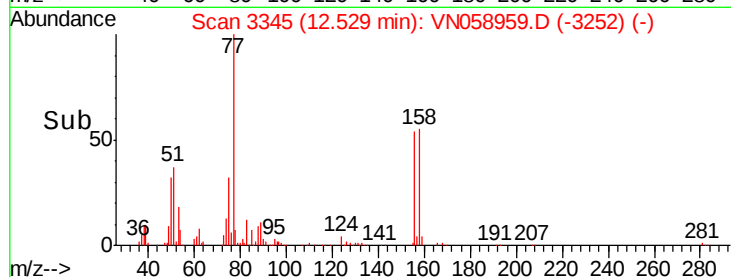
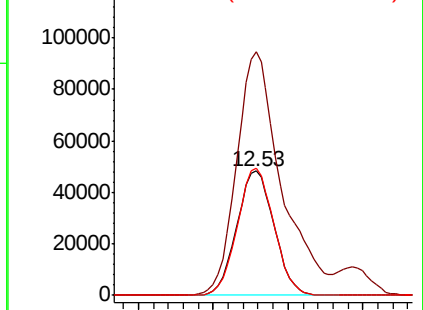
158 99.6 48.3 144.8



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: 19.821 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058959.D

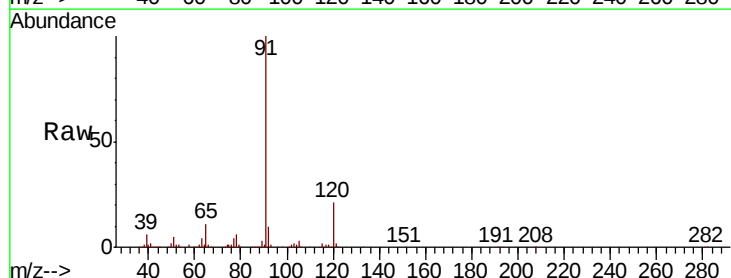
Acq: 24 Oct 2019 14:28

Tgt Ion: 91 Resp: 414802

Ion Ratio Lower Upper

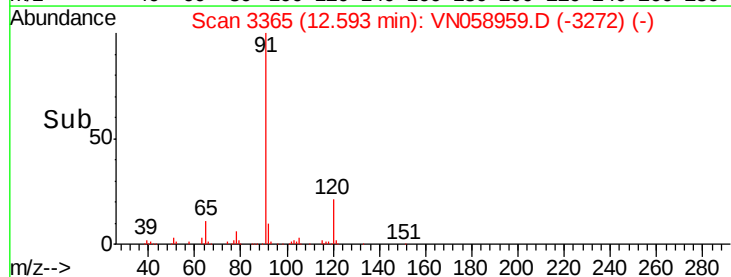
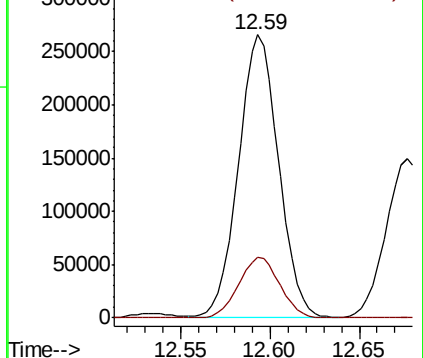
91 100

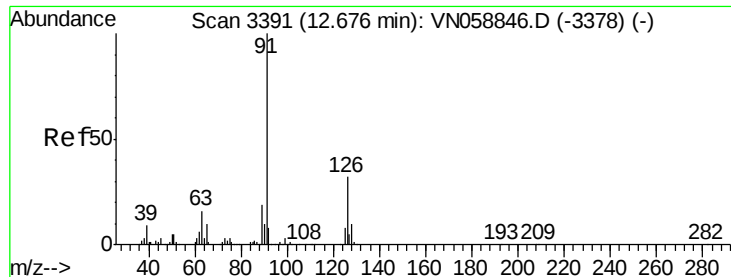
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.340 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

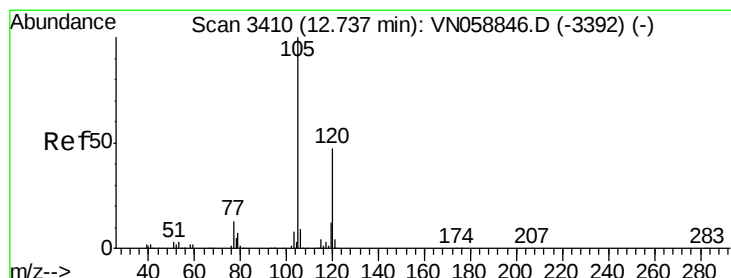
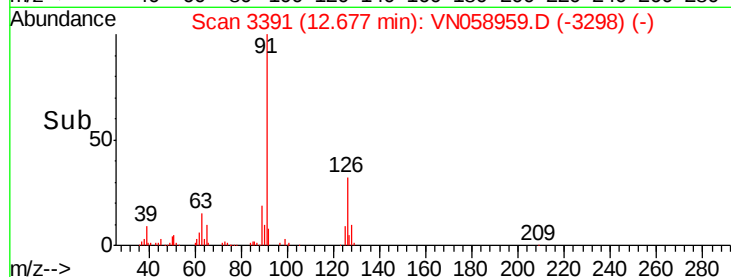
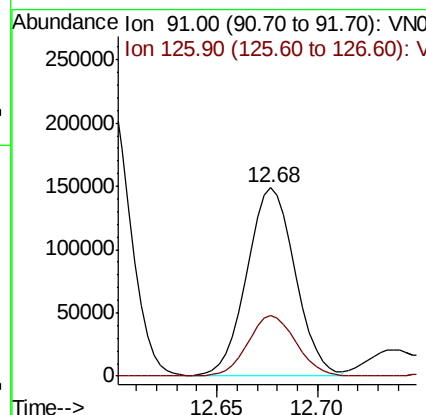
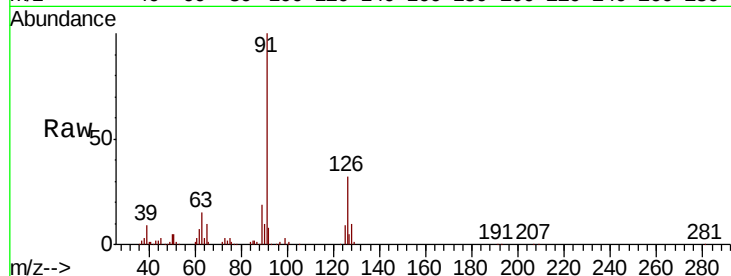
ClientSampleId :

Tot Ion: 91 Resp: 247714

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 19.935 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058959.D

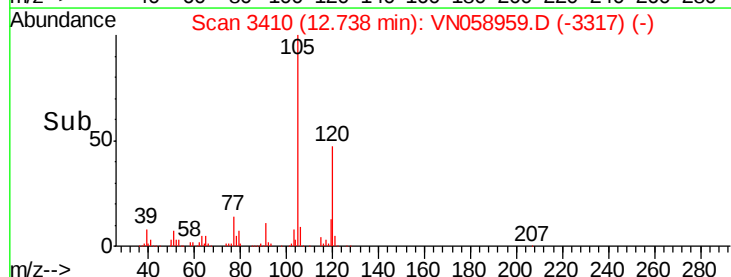
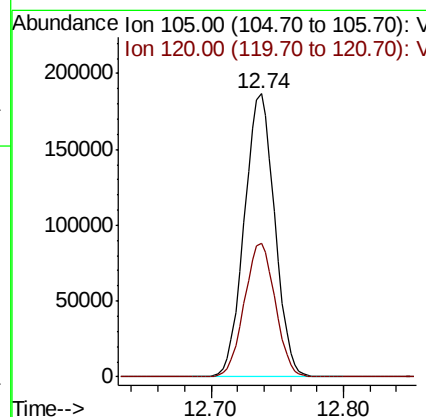
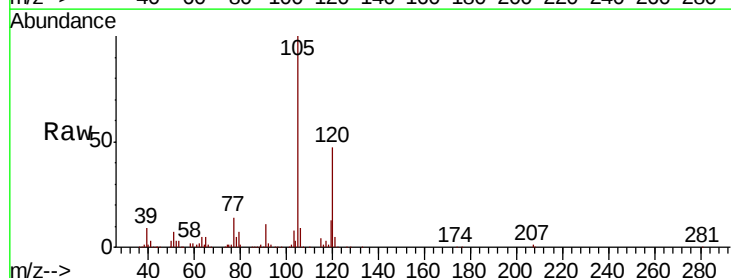
Acq: 24 Oct 2019 14:28

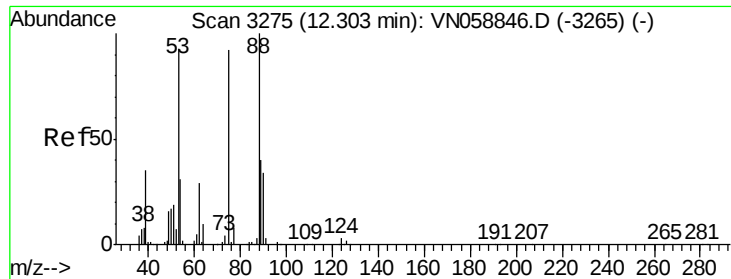
Tgt Ion: 105 Resp: 296536

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.069 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

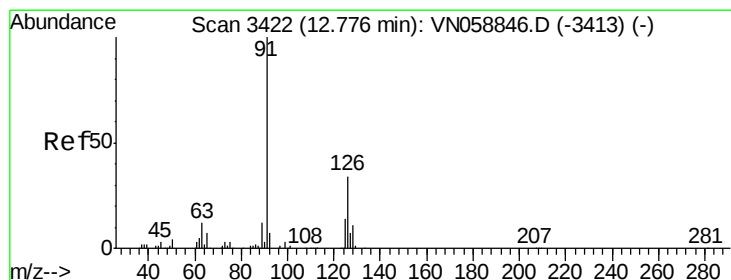
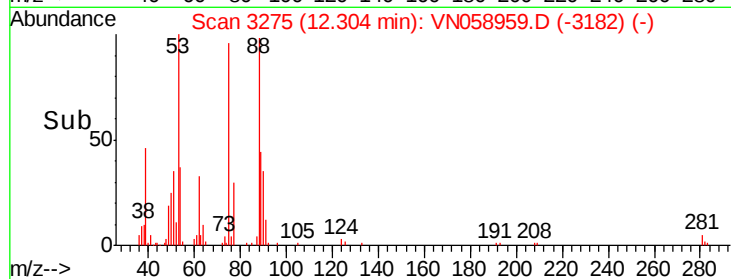
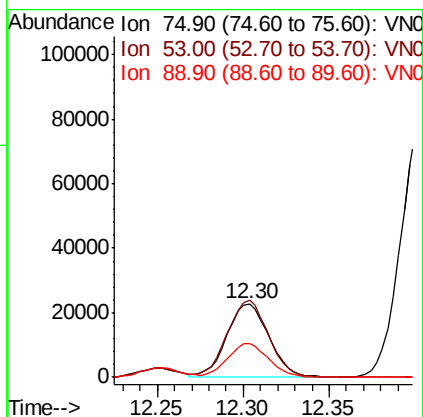
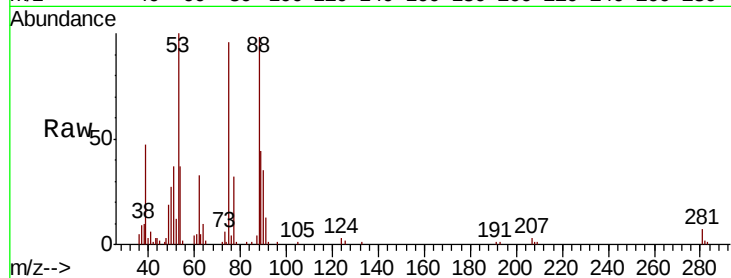
Tot Ion: 75 Resp: 38943

Ion Ratio Lower Upper

75 100

53 100.5 78.6 118.0

89 44.5 35.4 53.0



#82

4-Chlorotoluene

Concen: 19.295 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058959.D

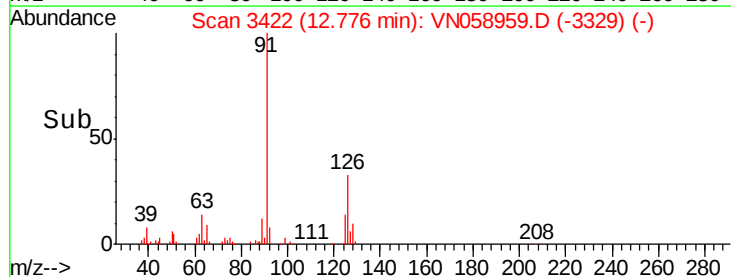
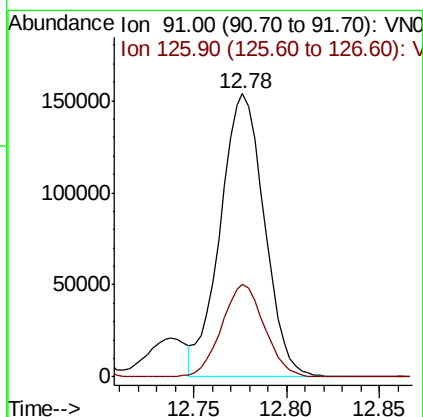
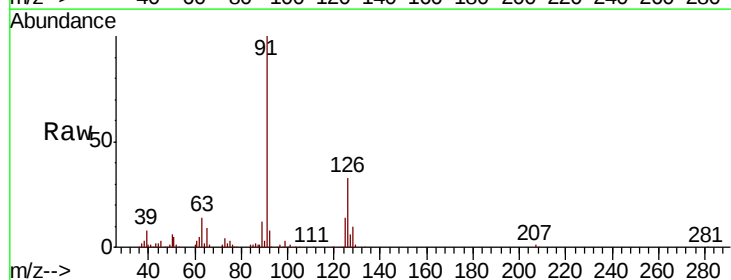
Acq: 24 Oct 2019 14:28

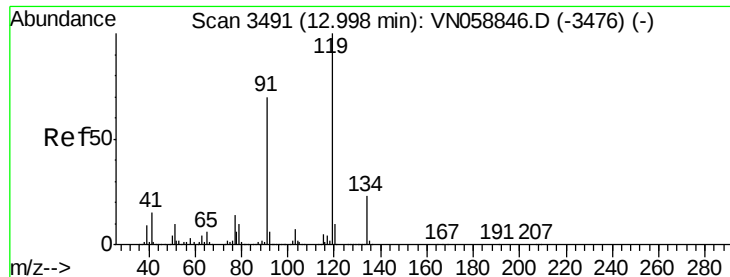
Tgt Ion: 91 Resp: 252562

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9

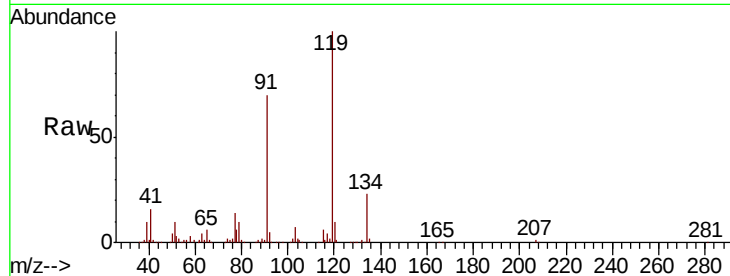




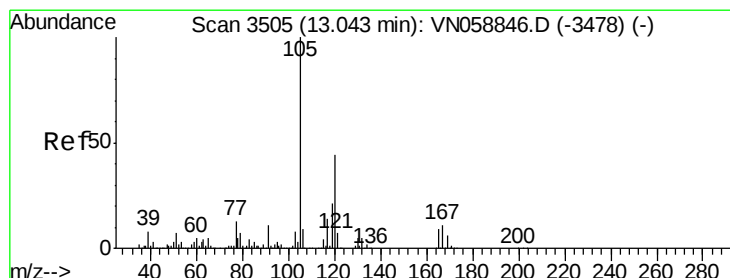
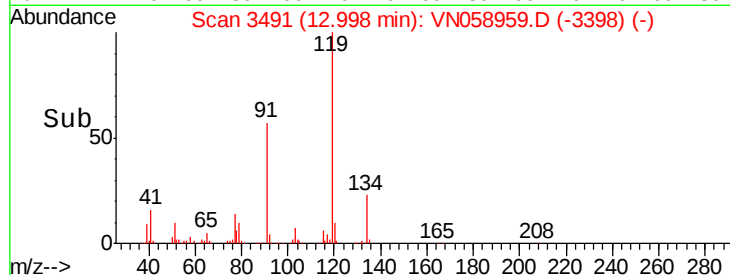
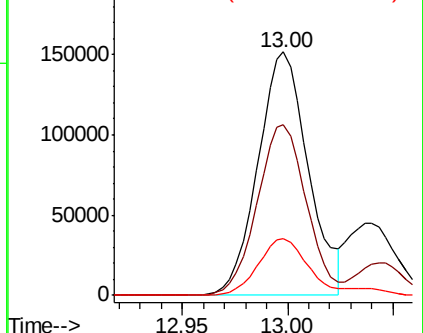
#83
 tert-Butylbenzene
 Concen: 19.771 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 251492
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.1 102.3
 134 23.0 11.6 34.8

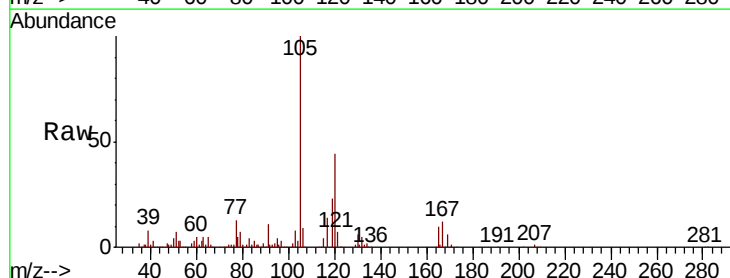


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

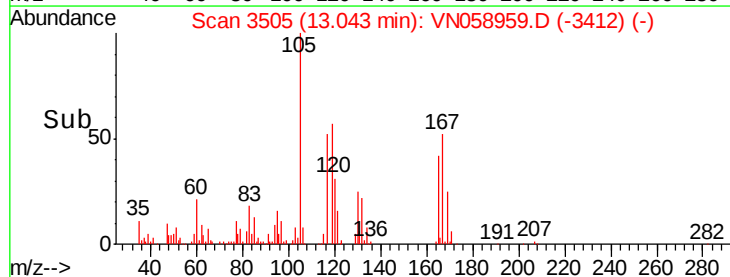
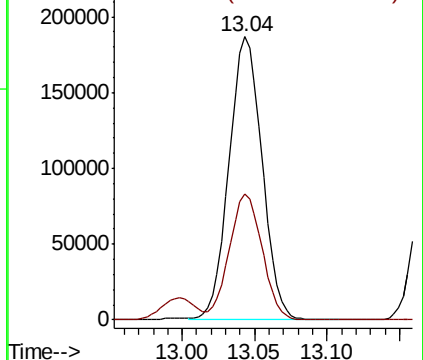


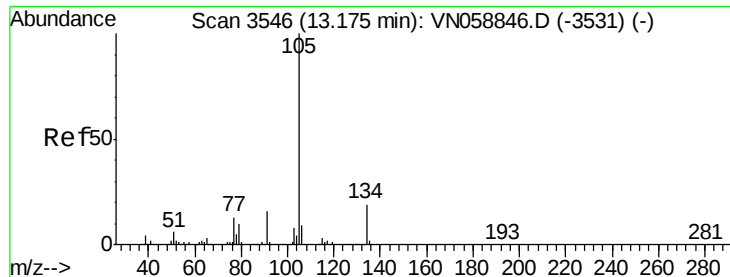
#84
 1,2,4-Trimethylbenzene
 Concen: 20.120 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Tgt Ion:105 Resp: 295194
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 19.857 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

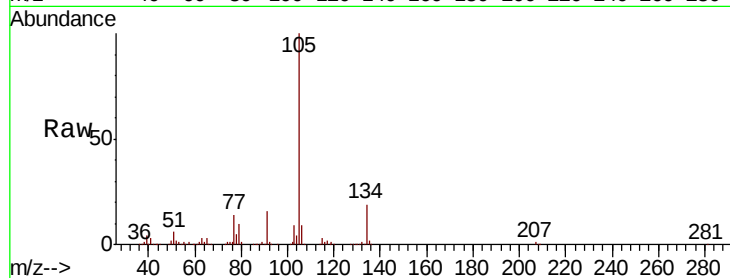
ClientSampleId :

Tot Ion:105 Resp: 336767

Ion Ratio Lower Upper

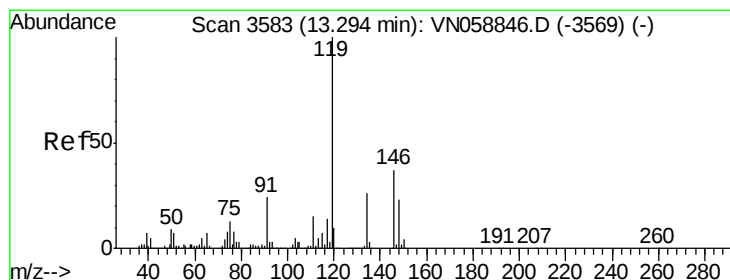
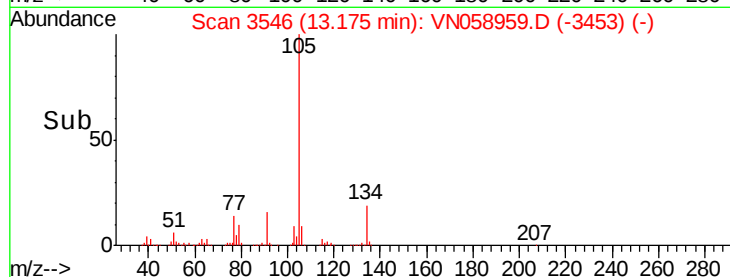
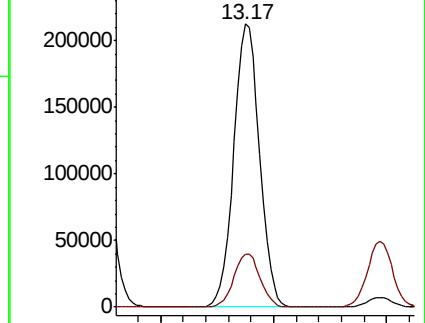
105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.883 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

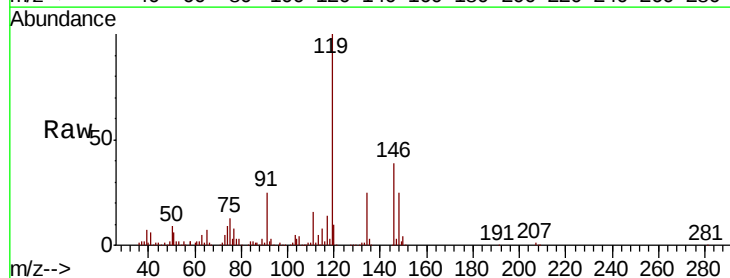
Tgt Ion:119 Resp: 297533

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

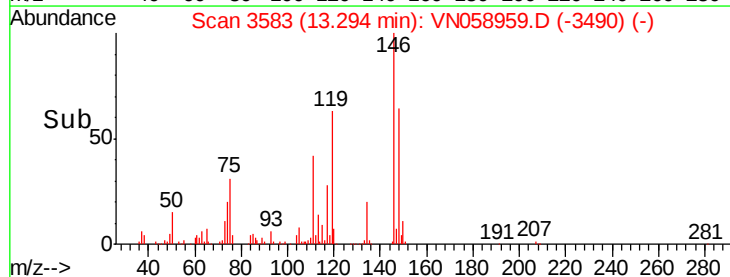
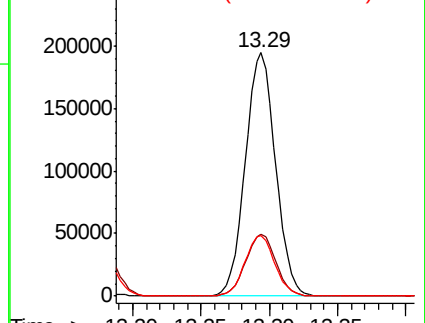
91 24.9 12.2 36.4

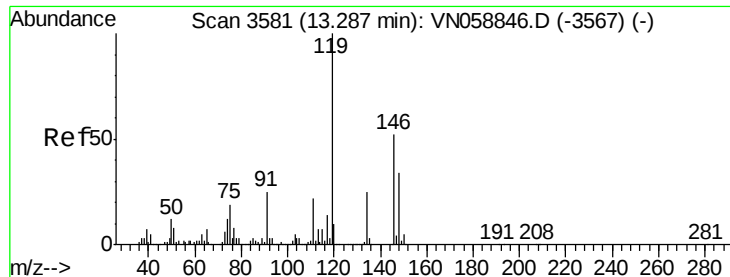


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.184 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

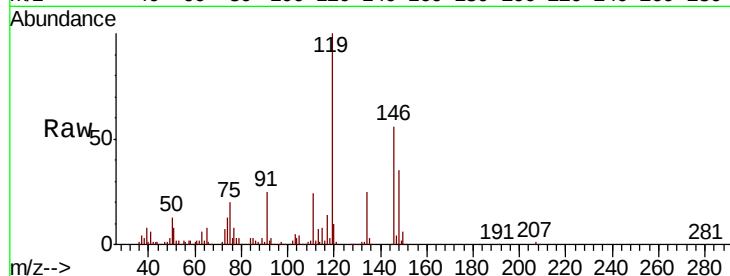
Tot Ion:146 Resp: 149694

Ion Ratio Lower Upper

146 100

111 42.1 21.0 63.0

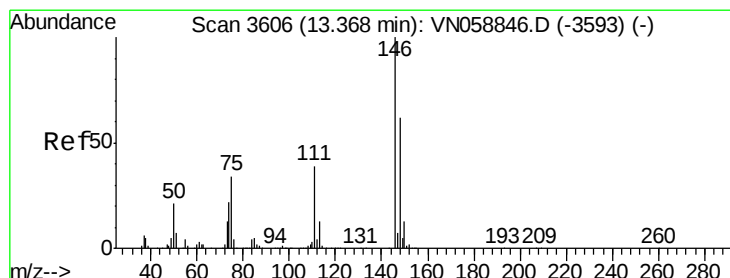
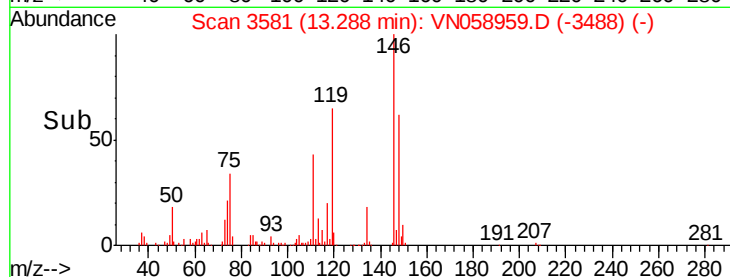
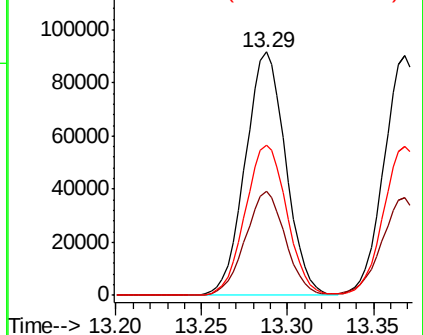
148 63.7 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 19.010 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

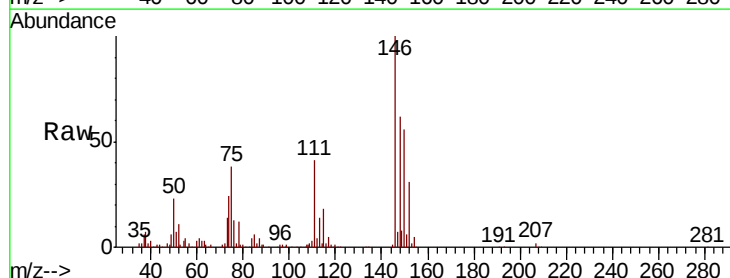
Tgt Ion:146 Resp: 148510

Ion Ratio Lower Upper

146 100

111 42.2 20.2 60.6

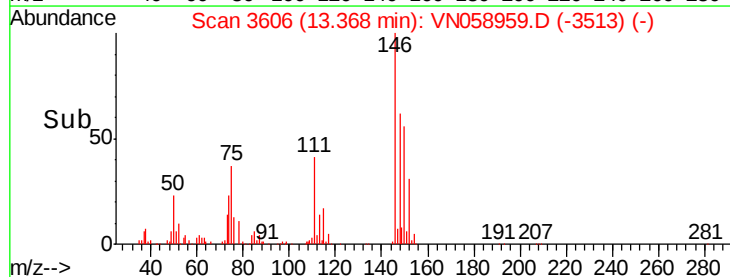
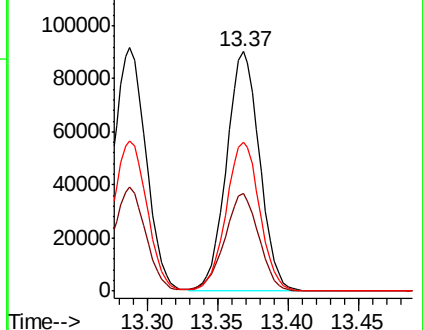
148 62.9 31.6 94.7

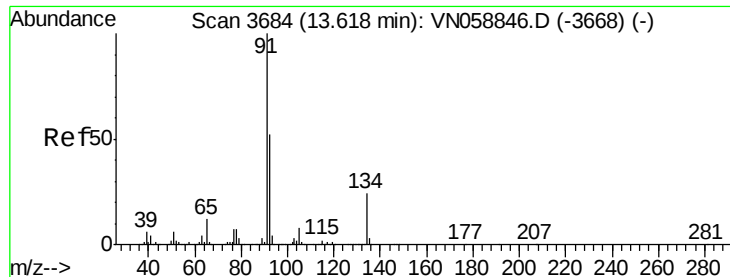


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.649 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

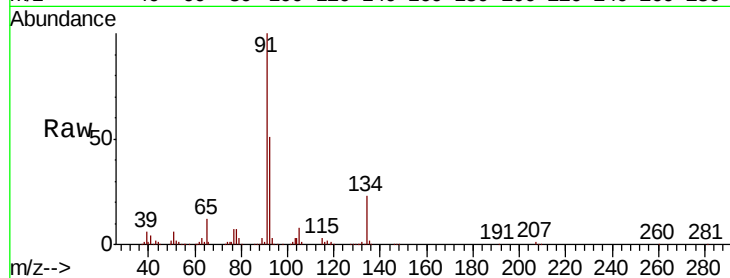
Tot Ion: 91 Resp: 256355

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.1

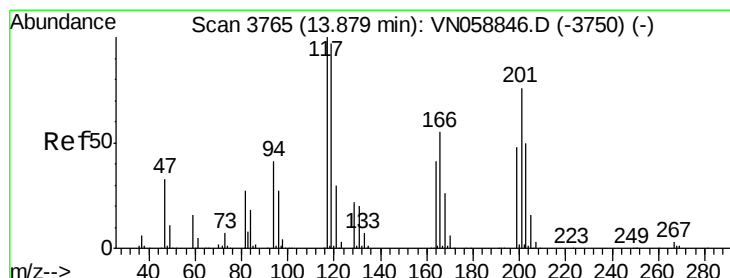
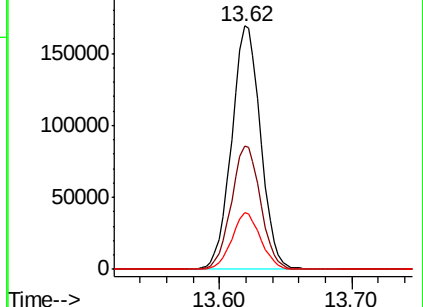
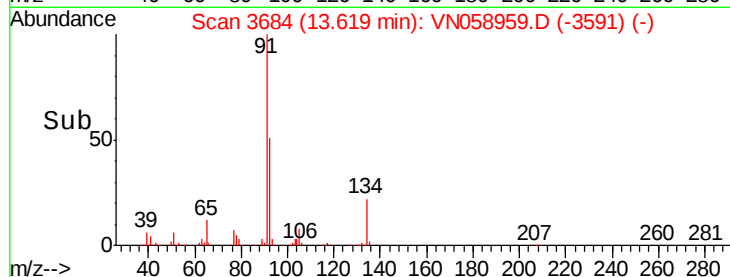
134 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.355 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058959.D

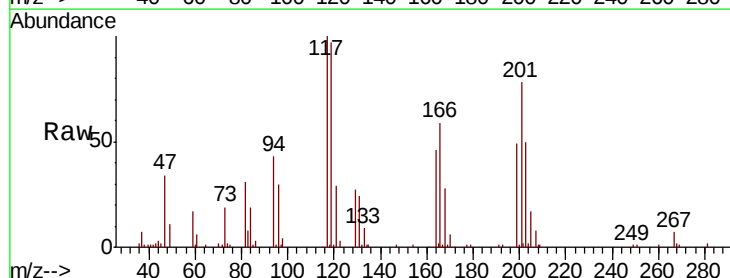
Acq: 24 Oct 2019 14:28

Tgt Ion: 117 Resp: 58689

Ion Ratio Lower Upper

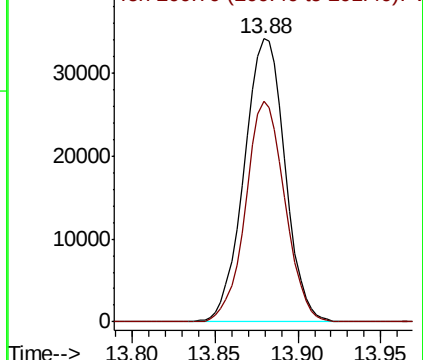
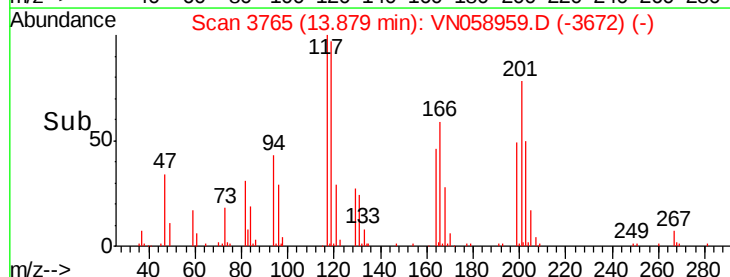
117 100

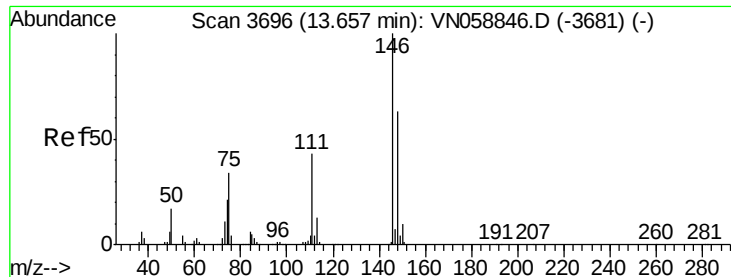
201 74.7 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 19.481 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058959.D

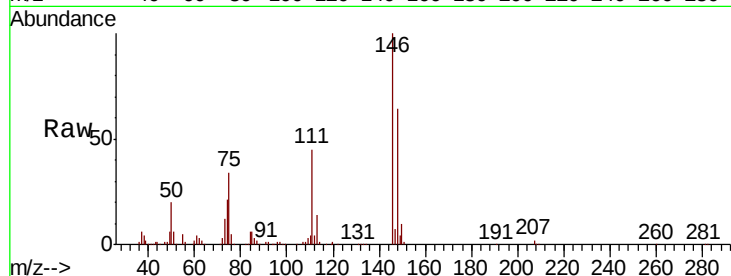
Acq: 24 Oct 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

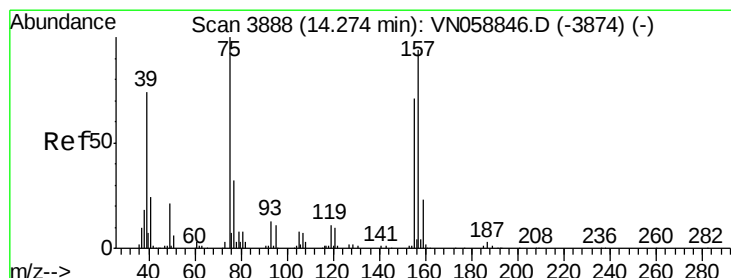
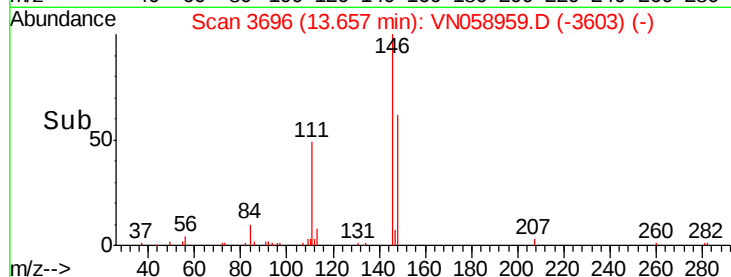
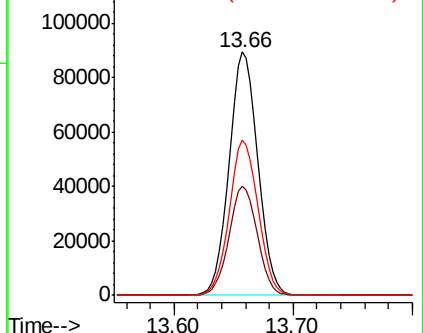
Tot Ion:	146	Resp:	149406
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	64.8
148	64.0	31.9	95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.522 ug/l

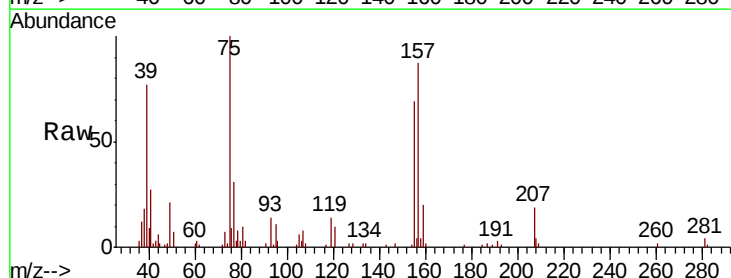
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

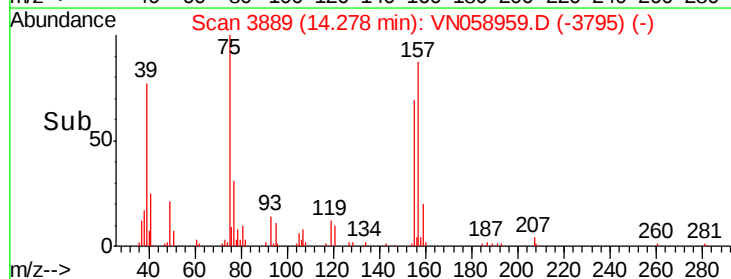
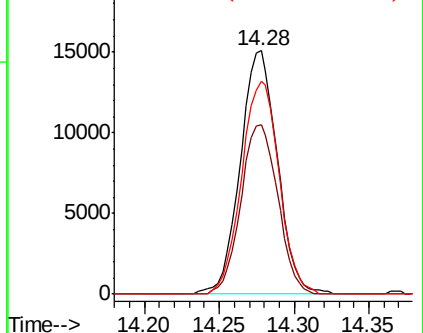
Tgt Ion:	75	Resp:	26079
Ion	Ratio	Lower	Upper
75	100		
155	69.1	35.6	106.8
157	88.3	47.4	142.2

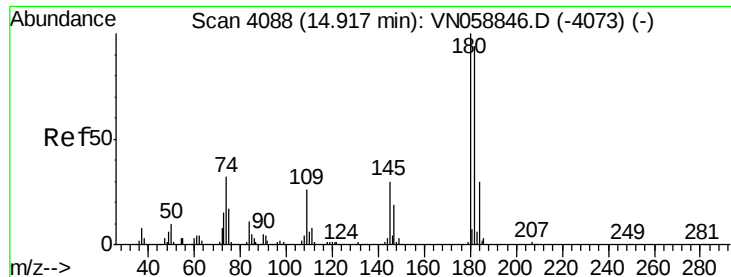


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

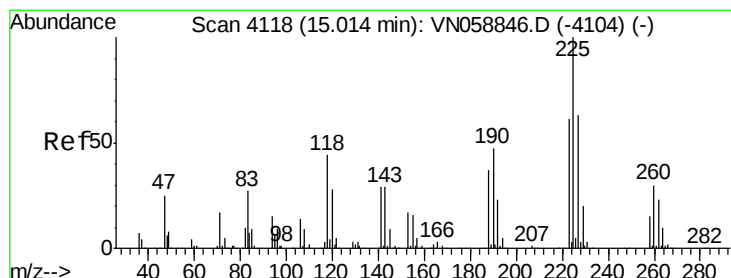
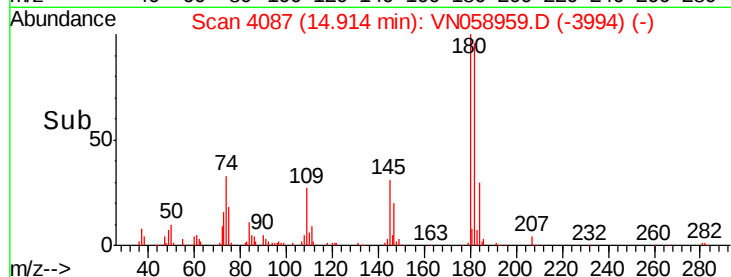
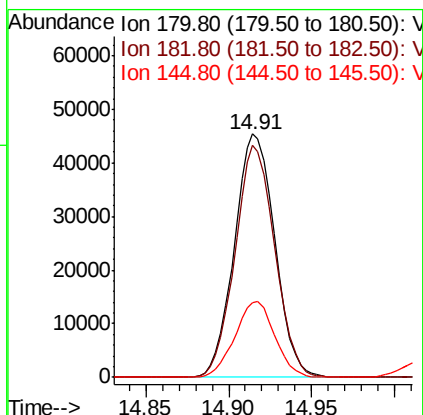
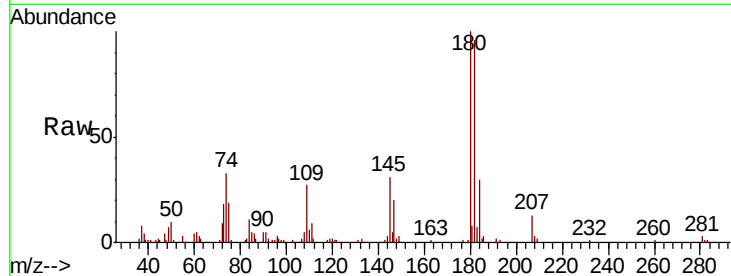




#93
 1,2,4-Trichlorobenzene
 Concen: 17.617 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

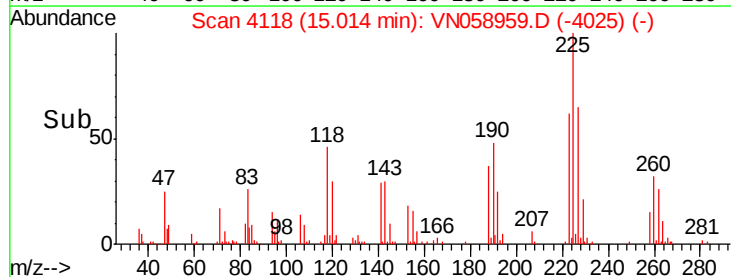
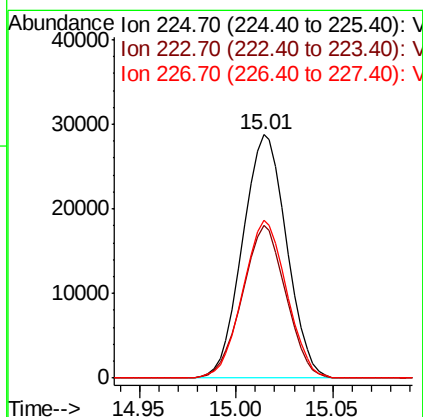
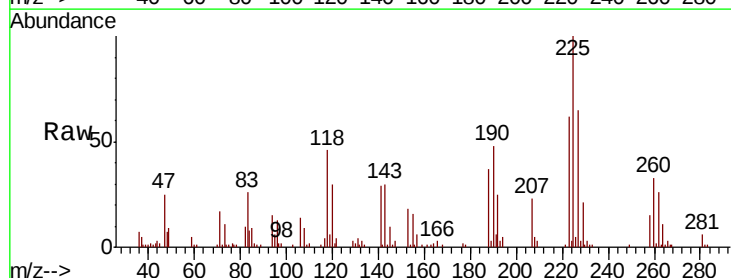
Instrument :
 MSVOA_N
 ClientSampled :

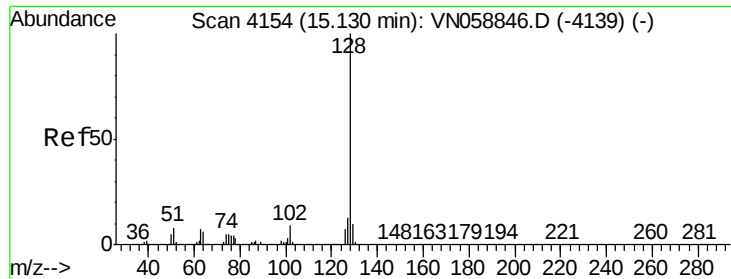
Tot Ion:180 Resp: 76754
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 142.0
 145 30.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 18.321 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058959.D
 Acq: 24 Oct 2019 14:28

Tgt Ion:225 Resp: 45542
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.5
 227 64.6 31.6 94.7

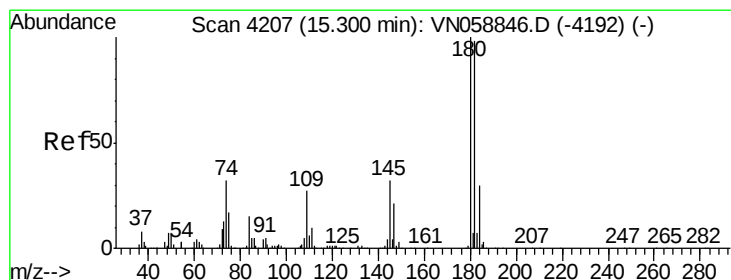
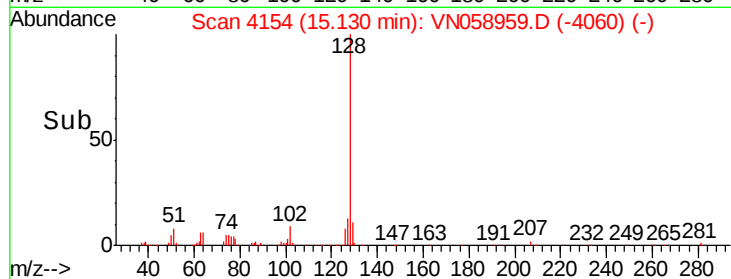
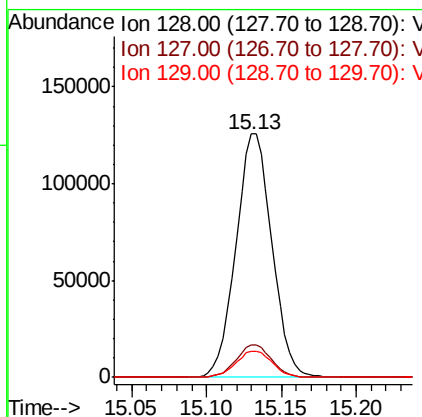
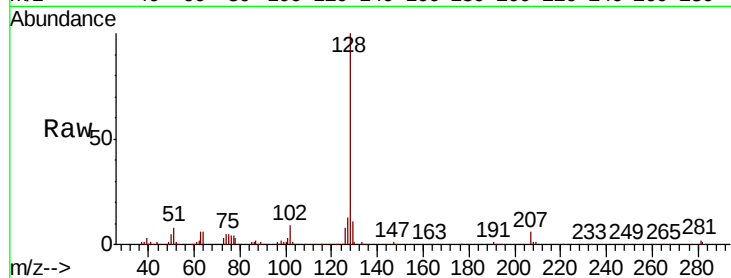




#95
Naphthalene
Concen: 16.729 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 210627
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.251 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058959.D
Acq: 24 Oct 2019 14:28

Tgt Ion:180 Resp: 78277
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.7
145 32.9 15.9 47.7

