

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103019\
 Data File : VN059019.D
 Acq On : 30 Oct 2019 10:54
 Operator : JC/SP
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 01:24:53 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	386450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	279226	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	7.57	113	211835	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.08	98	777659	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	284819	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	88935	18.458	ug/l 99
3) Chloromethane	2.04	50	114623	19.208	ug/l 100
4) Vinyl Chloride	2.17	62	116617	19.682	ug/l 97
5) Bromomethane	2.54	94	67105	18.086	ug/l 94
6) Chloroethane	2.68	64	71002	18.686	ug/l 95
7) Trichlorofluoromethane	3.00	101	147889	20.172	ug/l 97
8) Diethyl Ether	3.39	74	55326	21.838	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84777	20.859	ug/l 98
10) Methyl Iodide	3.93	142	97547	18.249	ug/l 98
11) Tert butyl alcohol	4.75	59	105027	111.664	ug/l 99
12) 1,1-Dichloroethene	3.72	96	81134	21.297	ug/l 92
13) Acrolein	3.59	56	39122	60.535	ug/l 99
14) Allyl chloride	4.30	41	165719	21.497	ug/l 96
15) Acrylonitrile	4.96	53	274419	115.989	ug/l 99
16) Acetone	3.79	43	312277	111.498	ug/l 98
17) Carbon Disulfide	4.03	76	218434	17.799	ug/l 100
18) Methyl Acetate	4.30	43	152910	24.014	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	294634	22.087	ug/l 99
20) Methylene Chloride	4.53	84	97904	20.472	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	87069	20.695	ug/l 96
22) Diisopropyl ether	5.92	45	340943	22.611	ug/l 100
23) Vinyl Acetate	5.87	43	1398976	115.479	ug/l 99
24) 1,1-Dichloroethane	5.82	63	189139	21.633	ug/l 99
25) 2-Butanone	6.81	43	409149	112.538	ug/l 99
26) 2,2-Dichloropropane	6.80	77	163061	21.561	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	102408	21.308	ug/l 99
28) Bromochloromethane	7.17	49	62225	21.370	ug/l 99
29) Tetrahydrofuran	7.19	42	253493	113.978	ug/l 99
30) Chloroform	7.35	83	178385	20.340	ug/l 98
31) Cyclohexane	7.63	56	162101	19.901	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	153804	20.806	ug/l 98
36) 1,1-Dichloropropene	7.77	75	131494	21.239	ug/l 99
37) Ethyl Acetate	6.90	43	155110	22.993	ug/l 100
38) Carbon Tetrachloride	7.76	117	135073	21.177	ug/l 99

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 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)
39) Methylcyclohexane	9.07	83	143817	20.688	ug/l	99
40) Benzene	8.02	78	395408	21.749	ug/l	97
41) Methacrylonitrile	7.19	41	225531	75.063	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	148151	21.154	ug/l	99
43) Isopropyl Acetate	8.15	43	243596	22.515	ug/l	99
44) Trichloroethene	8.82	130	96932	21.887	ug/l	95
45) 1,2-Dichloropropane	9.11	63	110238	22.112	ug/l	97
46) Dibromomethane	9.19	93	67999	21.576	ug/l	97
47) Bromodichloromethane	9.39	83	142102	21.876	ug/l	100
48) Methyl methacrylate	9.19	41	111585	22.732	ug/l	96
49) 1,4-Dioxane	9.19	88	36227	449.577	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	784177	124.089	ug/l	100
52) Toluene	10.15	92	237685	22.046	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	155911	21.682	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	168873	21.981	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	97952	22.054	ug/l	97
56) Ethyl methacrylate	10.42	69	145409	20.770	ug/l	98
57) 1,3-Dichloropropane	10.70	76	170070	21.817	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	302727	99.578	ug/l	100
59) 2-Hexanone	10.75	43	584407	119.676	ug/l	99
60) Dibromochloromethane	10.90	129	103911	21.736	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101240	22.274	ug/l	98
64) Tetrachloroethene	10.63	164	83485	21.377	ug/l	99
65) Chlorobenzene	11.43	112	250165	22.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	97472	22.752	ug/l	99
67) Ethyl Benzene	11.51	91	452528	22.722	ug/l	99
68) m/p-Xylenes	11.62	106	335108	45.372	ug/l	99
69) o-Xylene	11.95	106	159837	22.691	ug/l	98
70) Styrene	11.97	104	259610	20.996	ug/l	99
71) Bromoform	12.13	173	74543	22.438	ug/l #	99
73) Isopropylbenzene	12.25	105	435165	22.835	ug/l	99
74) N-amyl acetate	12.07	43	193914	22.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	154827	23.106	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	205106	33.938	ug/l #	100
77) Bromobenzene	12.53	156	105058	22.366	ug/l	100
78) n-propylbenzene	12.59	91	514438	22.837	ug/l	100
79) 2-Chlorotoluene	12.68	91	308872	22.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	368089	22.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51951	22.394	ug/l	99
82) 4-Chlorotoluene	12.78	91	311098	22.081	ug/l	99
83) tert-Butylbenzene	13.00	119	313335	22.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	366871	23.231	ug/l	98
85) sec-Butylbenzene	13.17	105	420039	23.010	ug/l	99
86) p-Isopropyltoluene	13.29	119	367820	22.836	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	181876	21.655	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	180458	21.460	ug/l	99
89) n-Butylbenzene	13.62	91	318667	21.537	ug/l	99
90) Hexachloroethane	13.88	117	72251	22.137	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	184860	22.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31575	20.834	ug/l	97

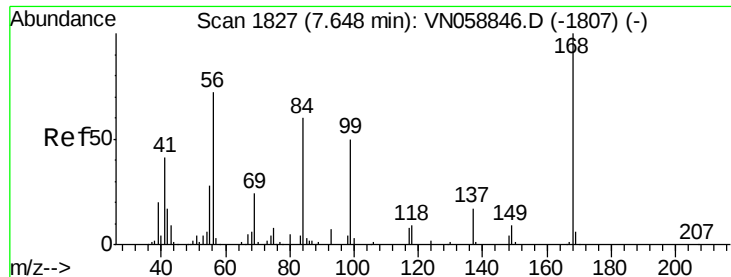
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QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	96638	20.179	ug/l	99
94) Hexachlorobutadiene	15.01	225	60035	22.438	ug/l	97
95) Naphthalene	15.13	128	259163	18.804	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97614	20.765	ug/l	98

(#) = 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: VN059019.D

Acq: 30 Oct 2019 10:54

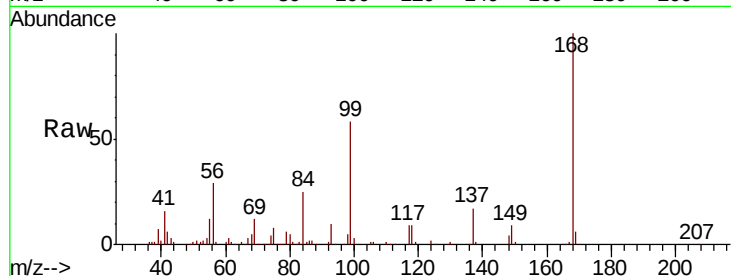
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 386450

Ion Ratio Lower Upper

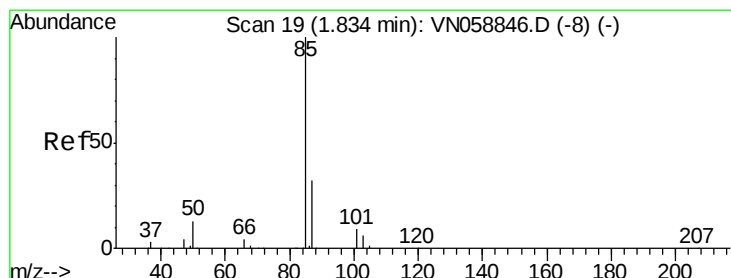
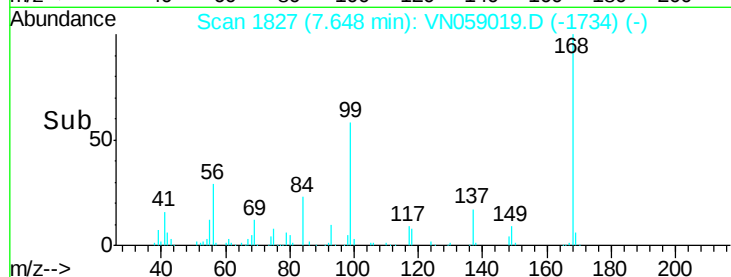
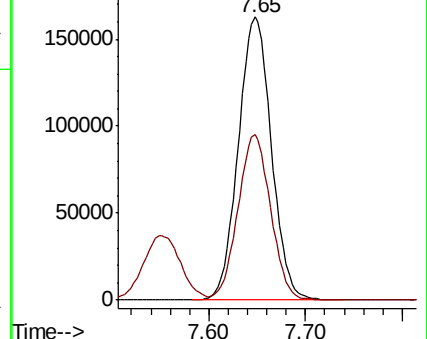
168 100

99 58.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.458 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059019.D

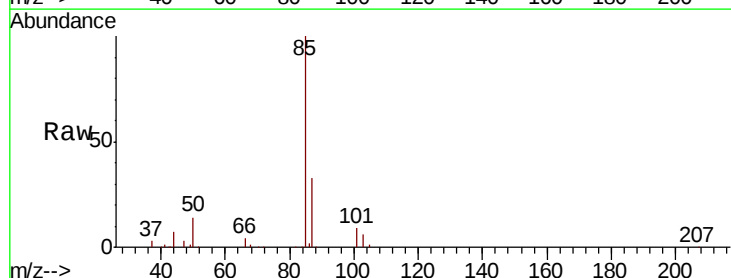
Acq: 30 Oct 2019 10:54

Tgt Ion: 85 Resp: 88935

Ion Ratio Lower Upper

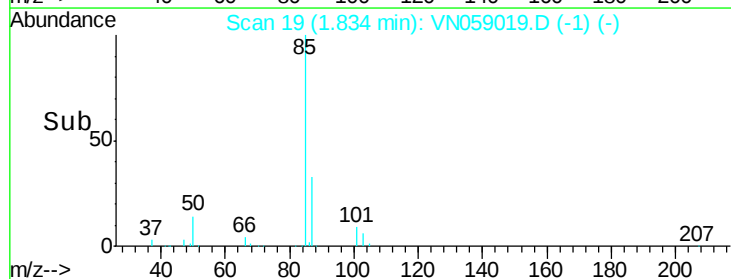
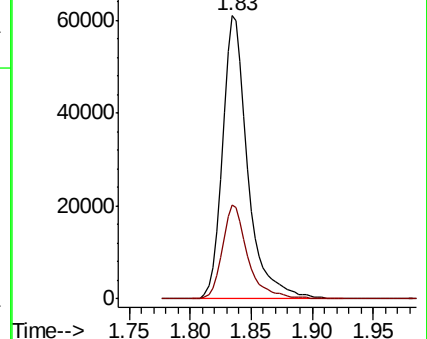
85 100

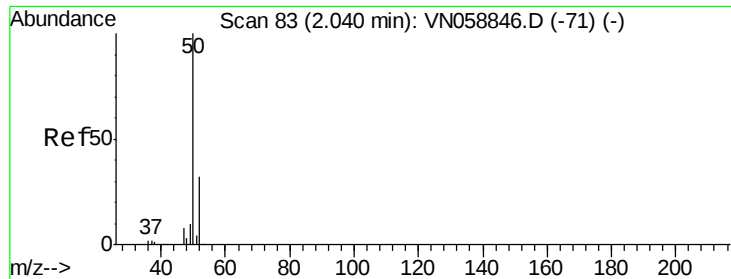
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.208 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

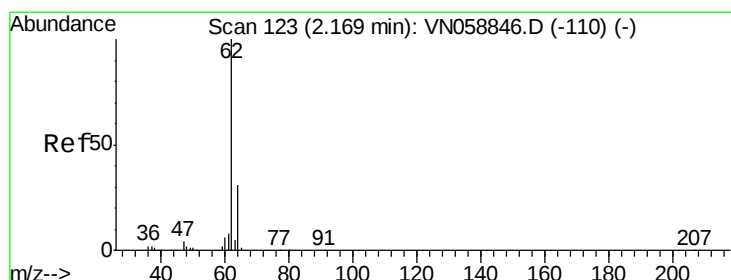
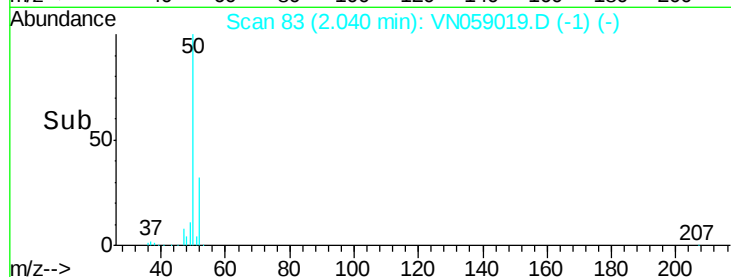
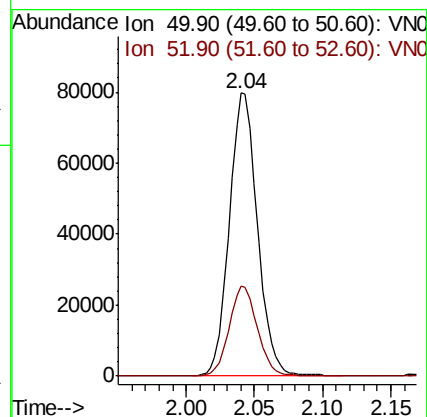
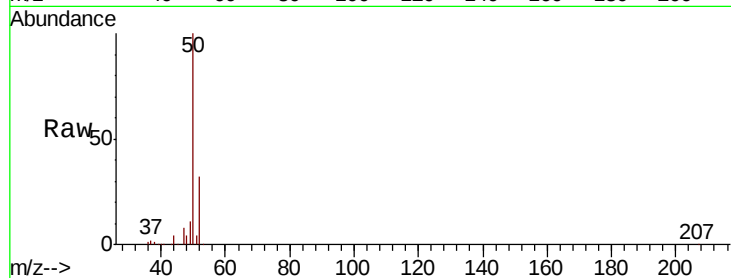
ClientSampleId :

Tot Ion: 50 Resp: 114623

Ion Ratio Lower Upper

50 100

52 32.0 25.7 38.5



#4

Vinyl Chloride

Concen: 19.682 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059019.D

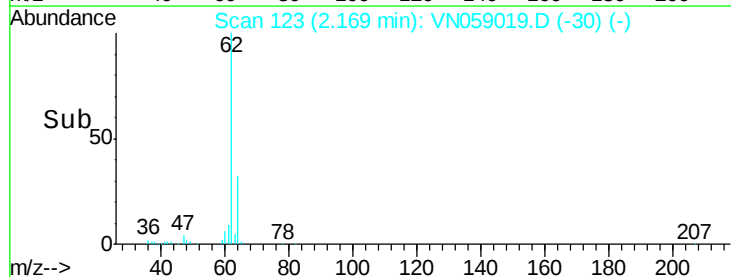
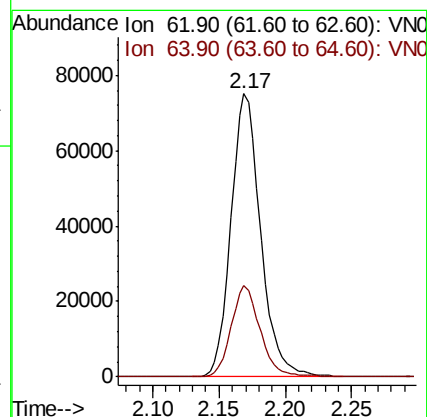
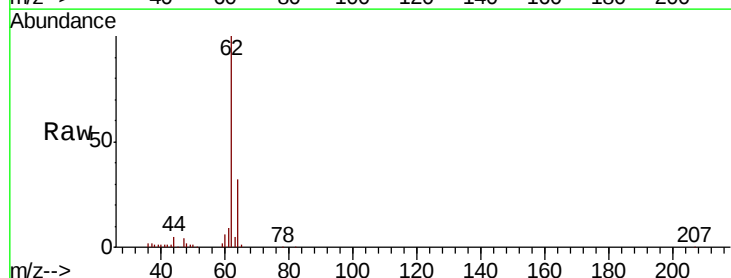
Acq: 30 Oct 2019 10:54

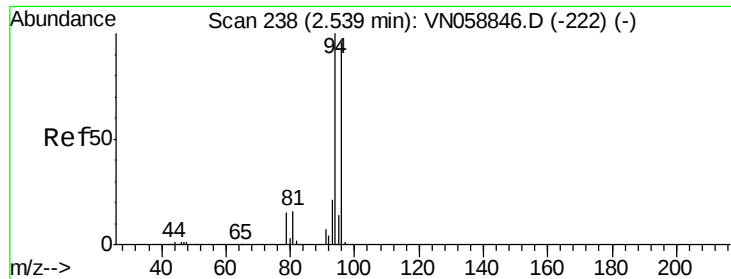
Tgt Ion: 62 Resp: 116617

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8





#5

Bromomethane

Concen: 18.086 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

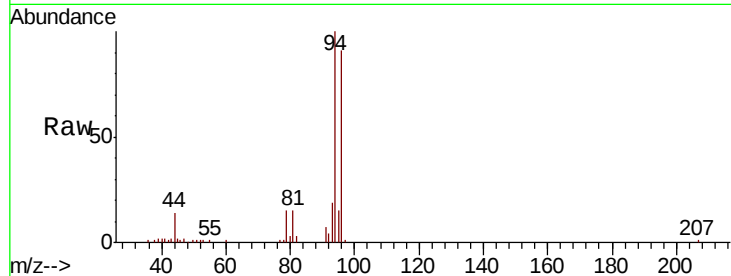
ClientSampled :

Tot Ion: 94 Resp: 67105

Ion Ratio Lower Upper

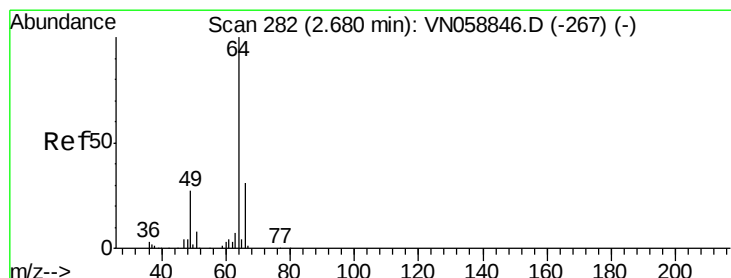
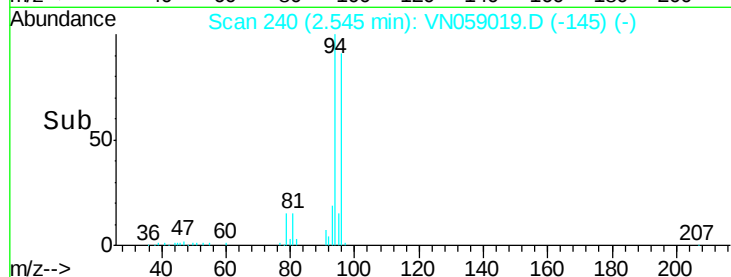
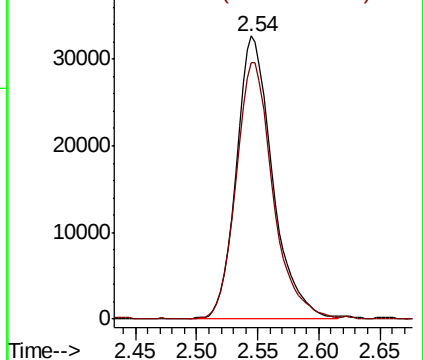
94 100

96 90.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.686 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059019.D

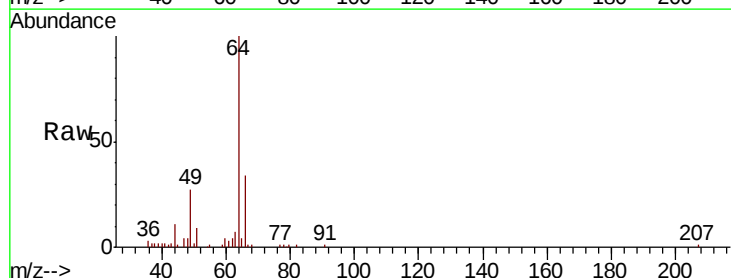
Acq: 30 Oct 2019 10:54

Tgt Ion: 64 Resp: 71002

Ion Ratio Lower Upper

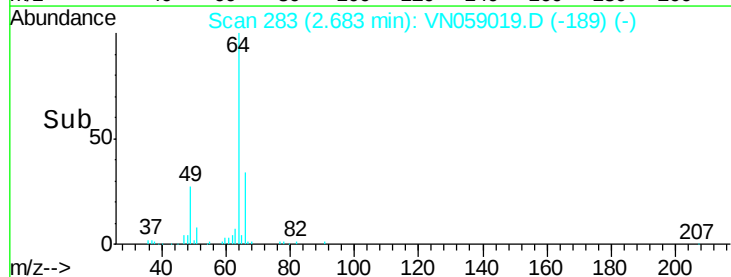
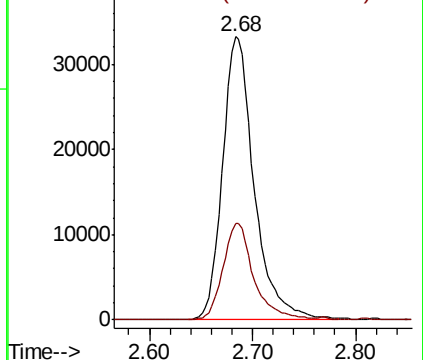
64 100

66 34.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



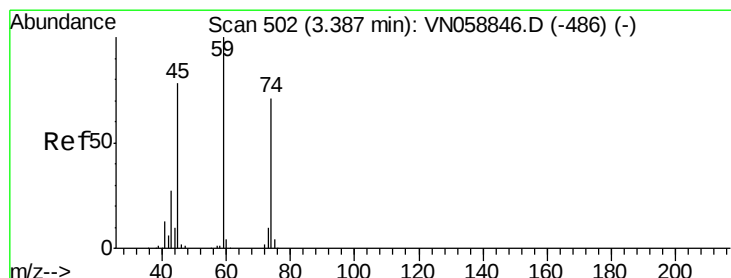
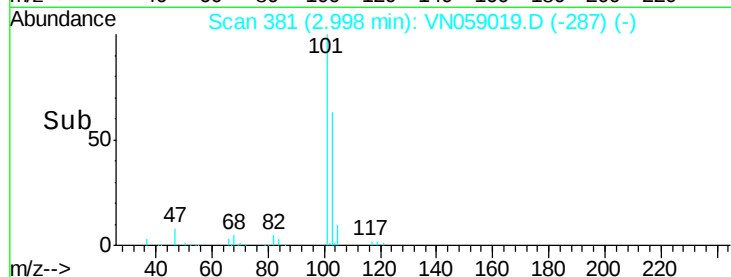
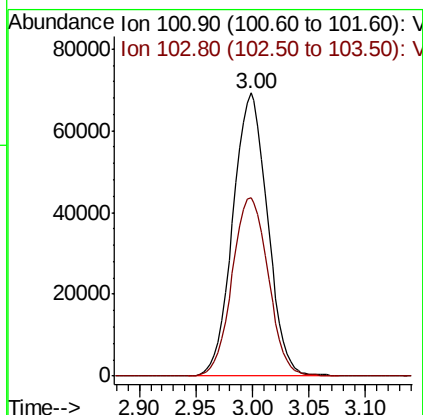
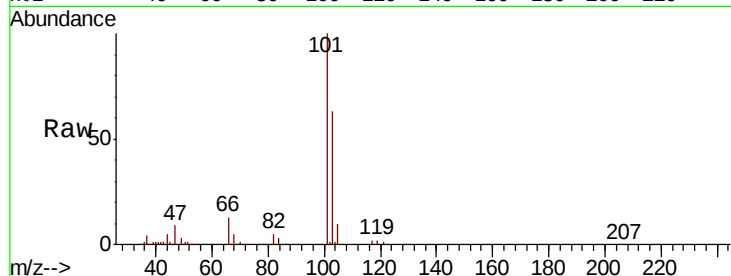


#7

Trichlorofluoromethane
Concen: 20.172 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

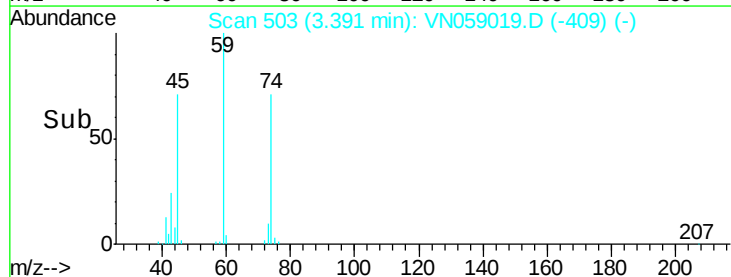
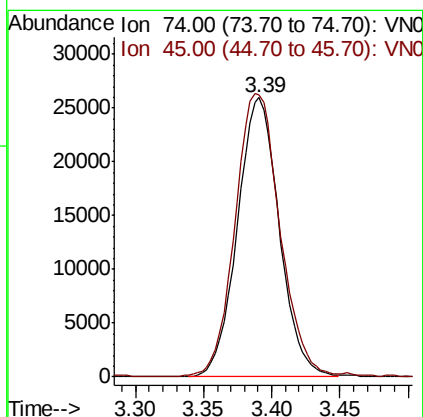
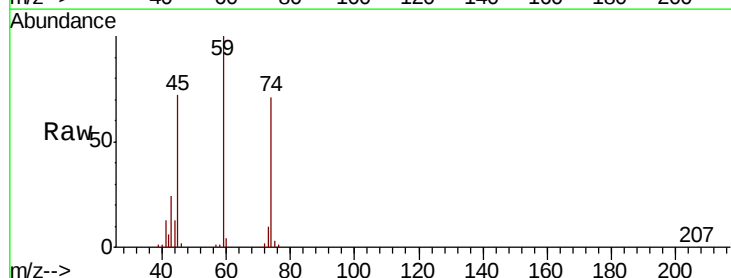
Tot Ion:101 Resp: 147889
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.2

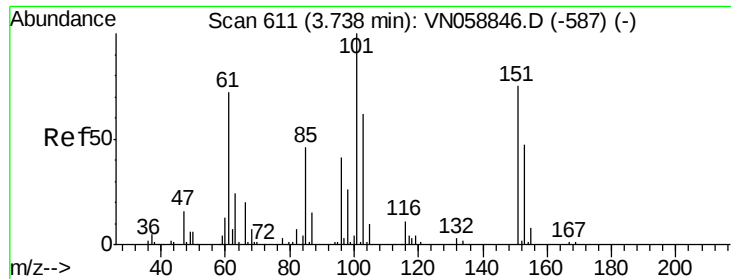


#8

Diethyl Ether
Concen: 21.838 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 74 Resp: 55326
Ion Ratio Lower Upper
74 100
45 109.1 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.859 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

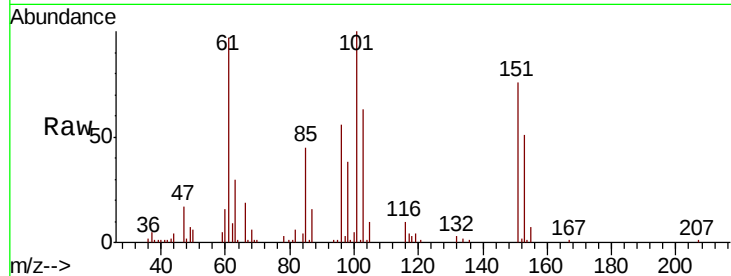
Tot Ion:101 Resp: 84777

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

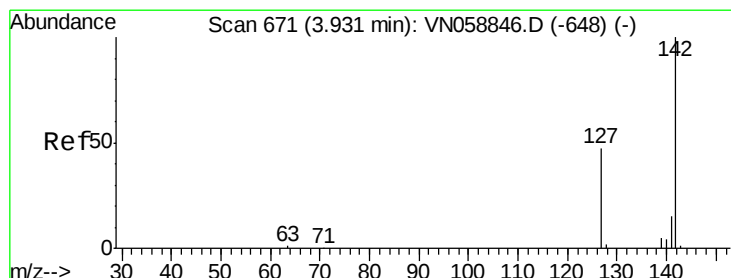
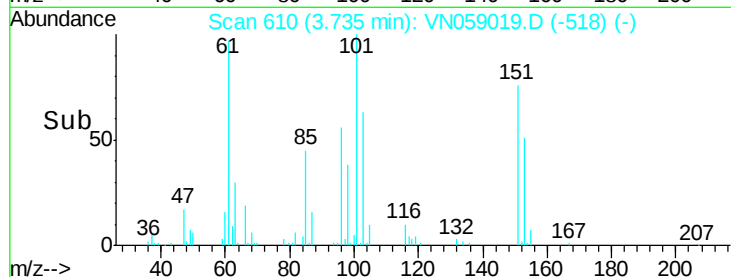
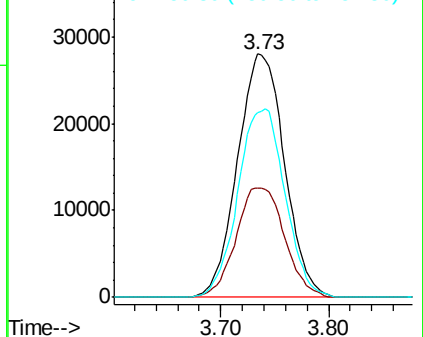
151 77.7 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.249 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

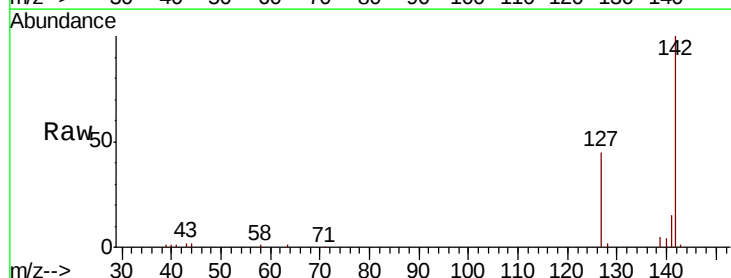
Tgt Ion:142 Resp: 97547

Ion Ratio Lower Upper

142 100

127 44.2 36.6 54.8

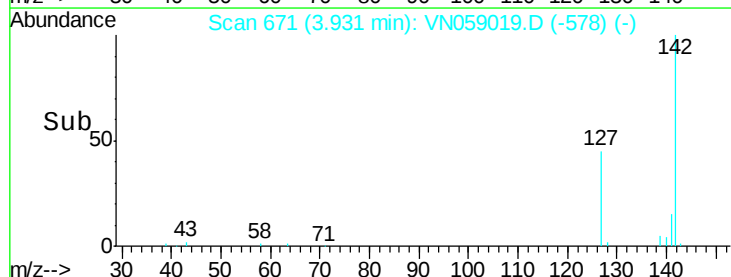
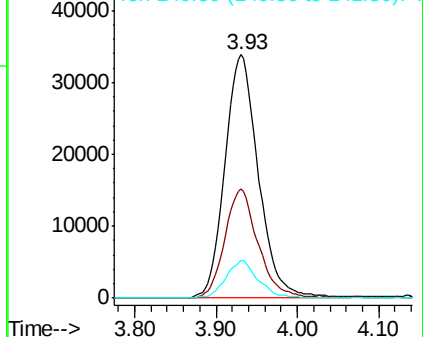
141 14.7 11.4 17.2



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: 111.664 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

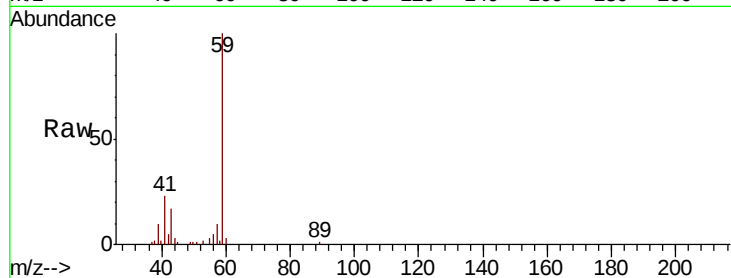
ClientSampled :

Tot Ion: 59 Resp: 105027

Ion Ratio Lower Upper

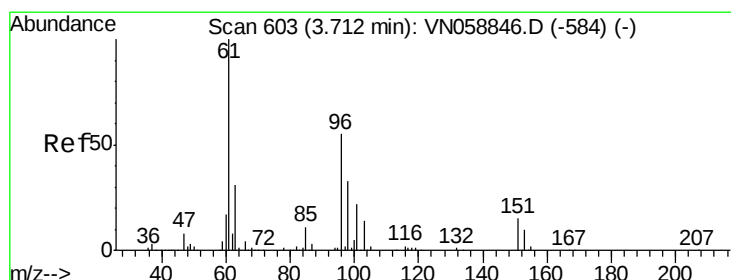
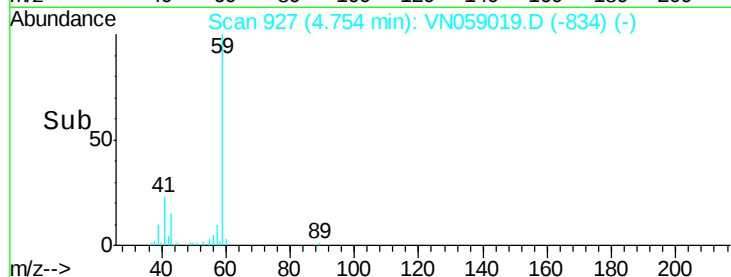
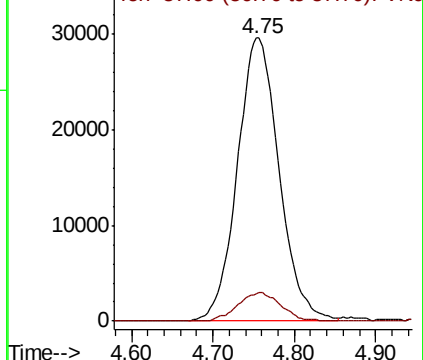
59 100

57 10.4 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 21.297 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

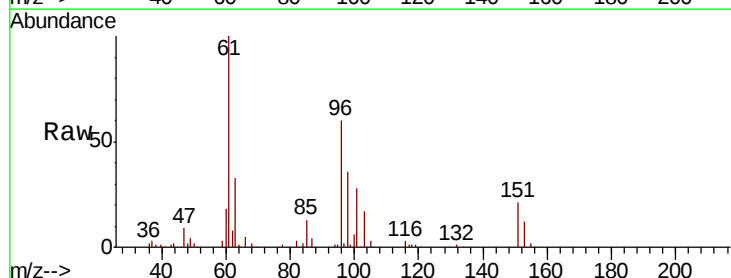
Tgt Ion: 96 Resp: 81134

Ion Ratio Lower Upper

96 100

61 168.0 146.2 219.2

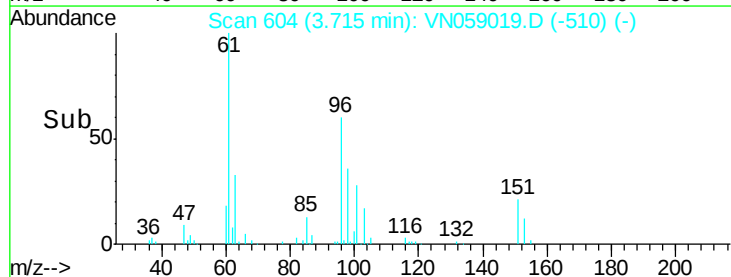
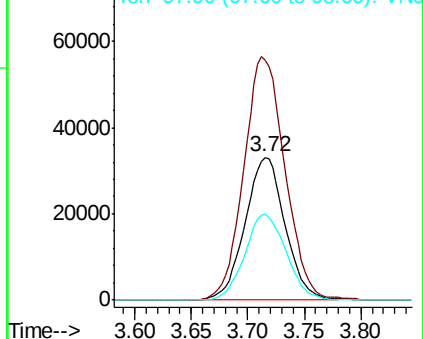
98 59.9 48.7 73.1

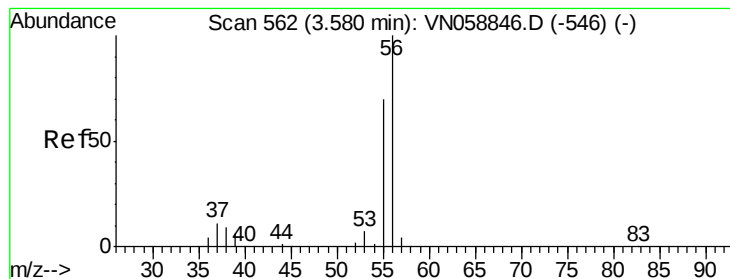


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 60.535 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

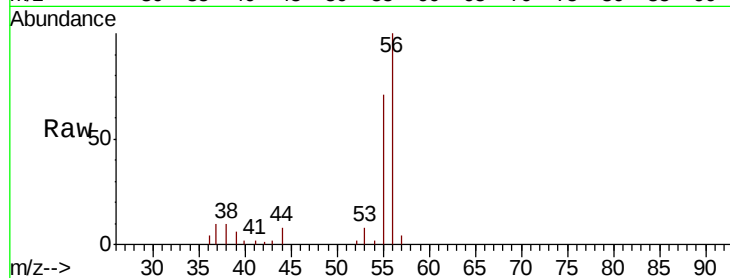
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 39122

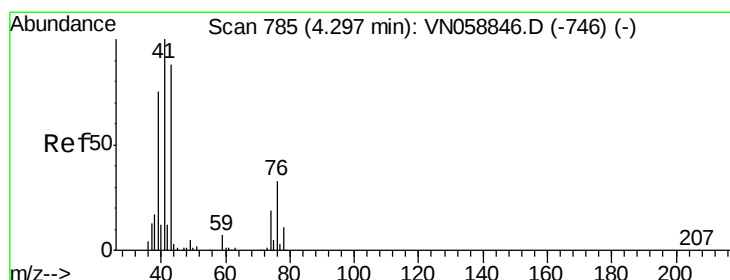
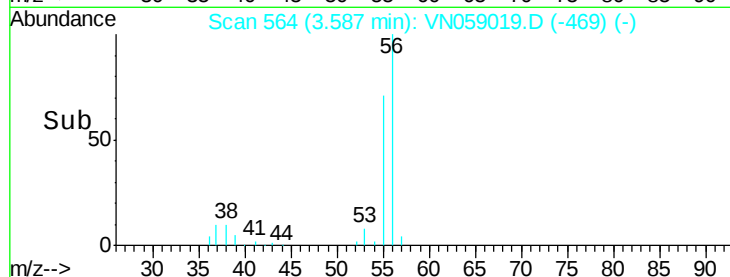
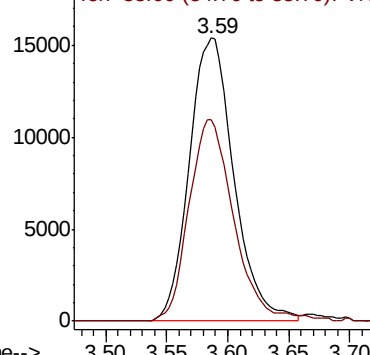
Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



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



#14

Allyl chloride

Concen: 21.497 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

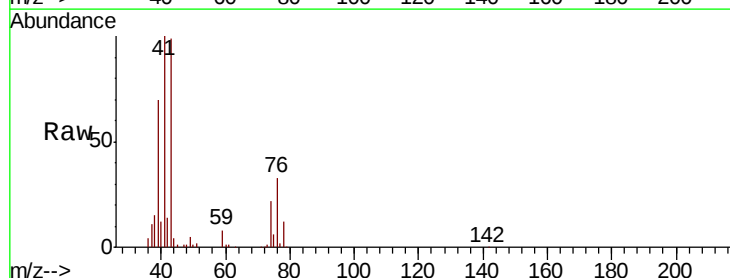
Tgt Ion: 41 Resp: 165719

Ion Ratio Lower Upper

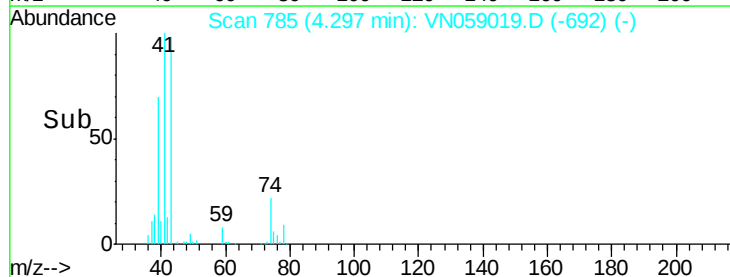
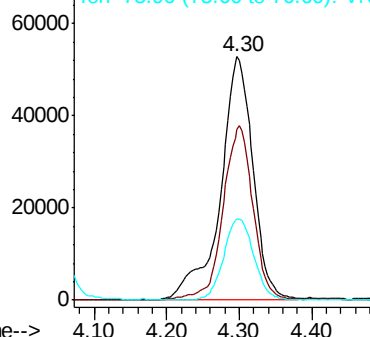
41 100

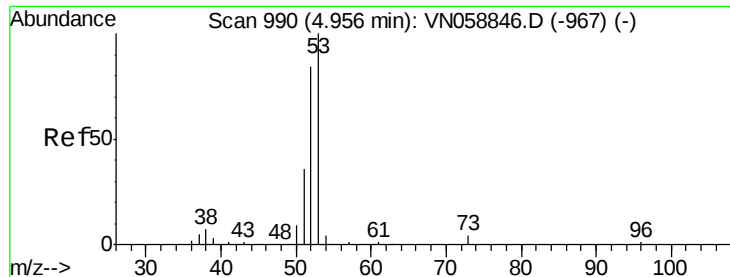
39 65.5 55.9 83.9

76 30.7 24.1 36.1



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





#15

Acrylonitrile

Concen: 115.989 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

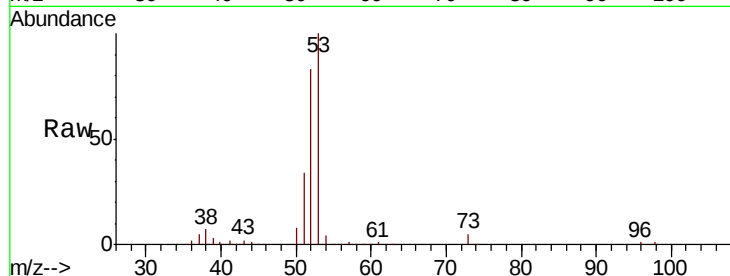
Tot Ion: 53 Resp: 274419

Ion Ratio Lower Upper

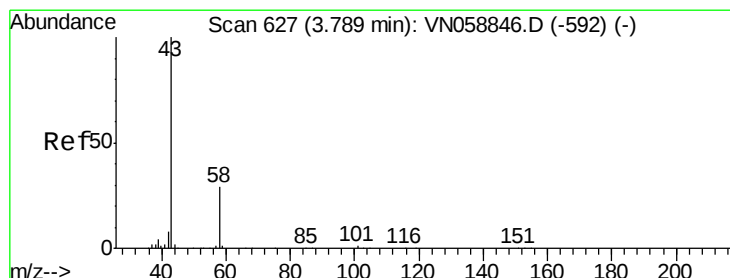
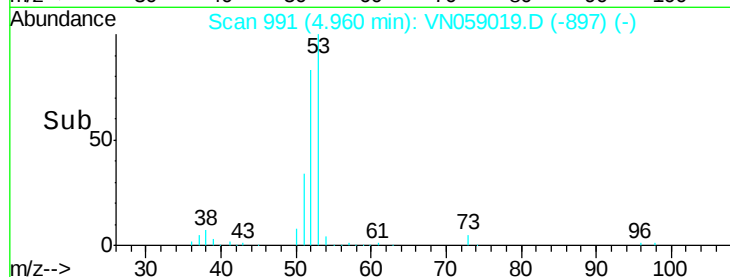
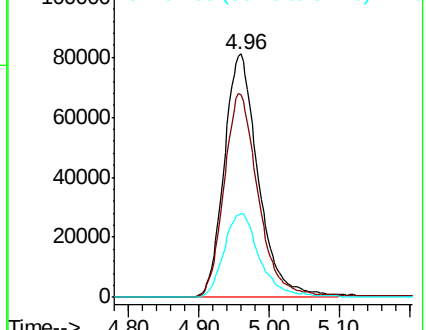
53 100

52 83.0 66.6 99.8

51 35.3 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: 111.498 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059019.D

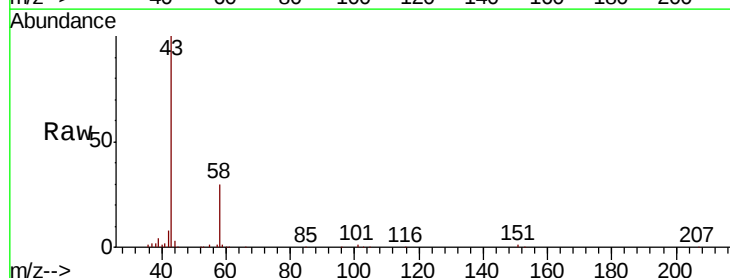
Acq: 30 Oct 2019 10:54

Tgt Ion: 43 Resp: 312277

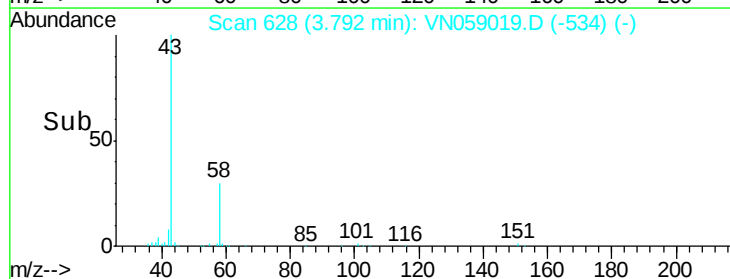
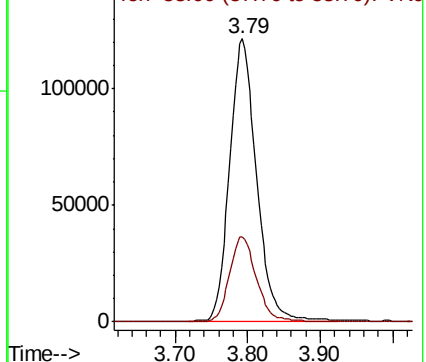
Ion Ratio Lower Upper

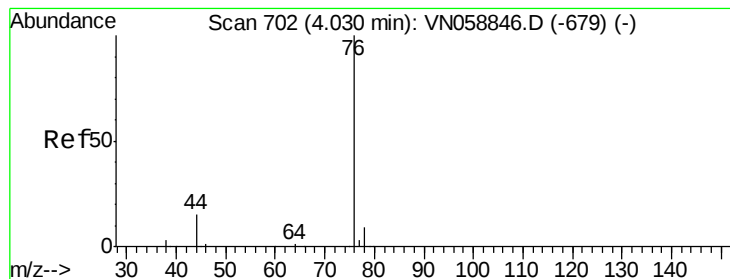
43 100

58 30.0 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: 17.799 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

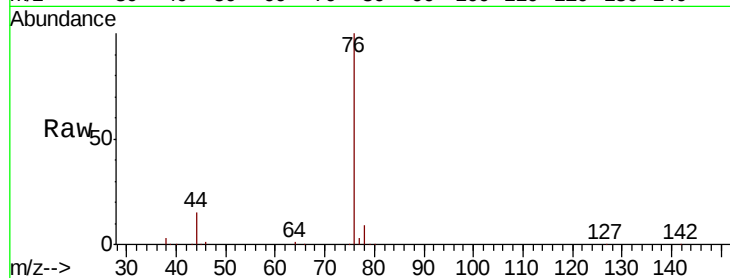
ClientSampleId :

Tot Ion: 76 Resp: 218434

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

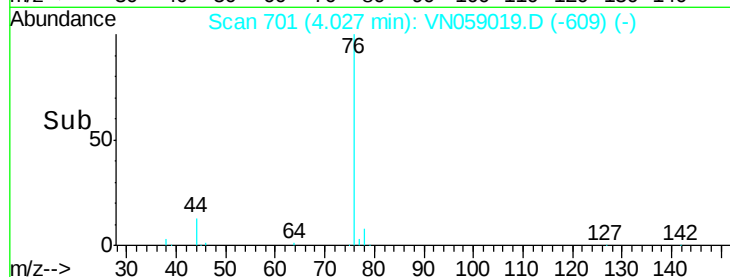


Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

4.03

Time-->



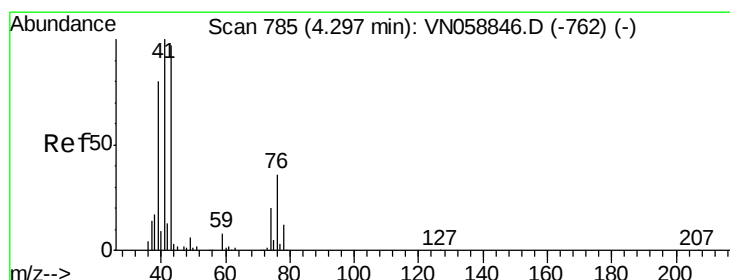
Abundance

Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

4.03

Time-->



#18

Methyl Acetate

Concen: 24.014 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059019.D

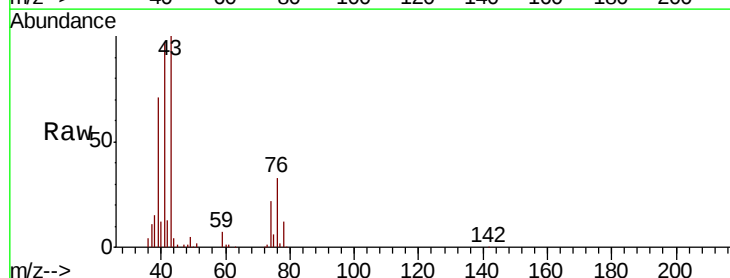
Acq: 30 Oct 2019 10:54

Tgt Ion: 43 Resp: 152910

Ion Ratio Lower Upper

43 100

74 21.5 17.1 25.7

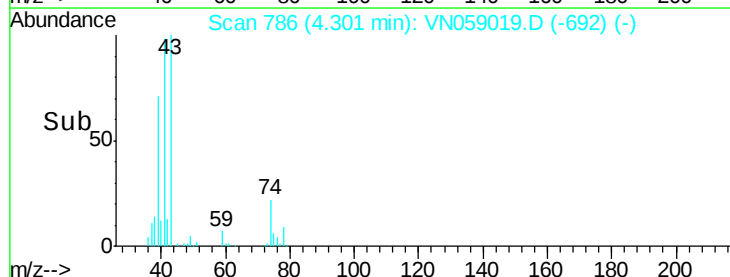


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)

4.30

Time-->



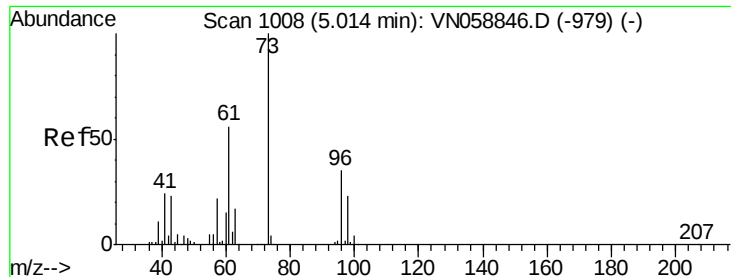
Abundance

Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)

4.30

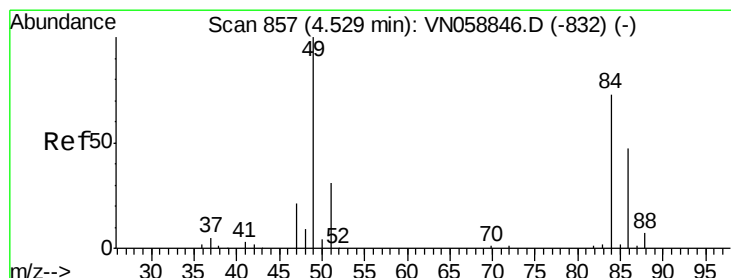
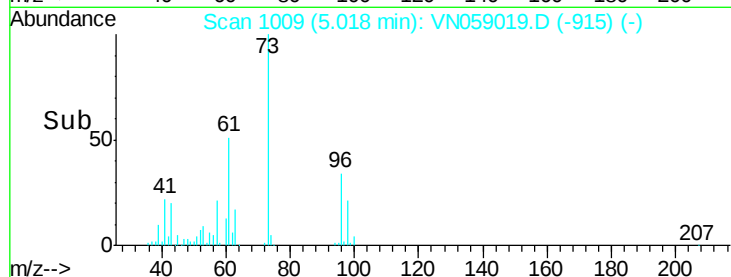
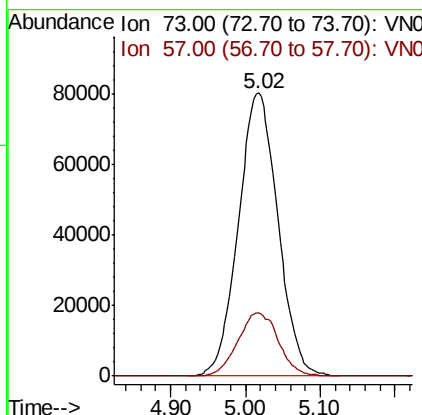
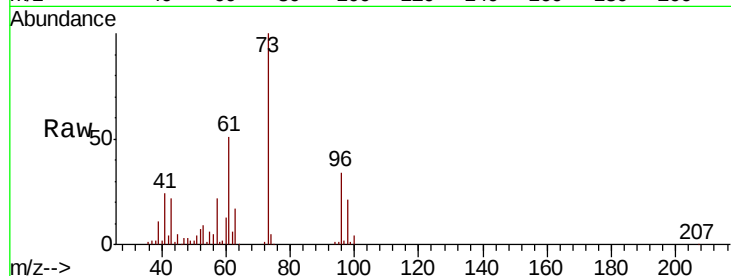
Time-->



#19
Methvl tert-butvl Ether
Concen: 22.087 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

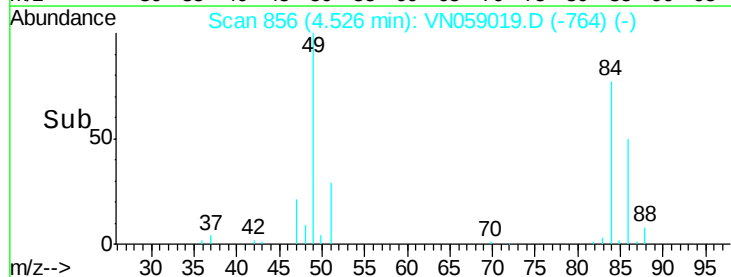
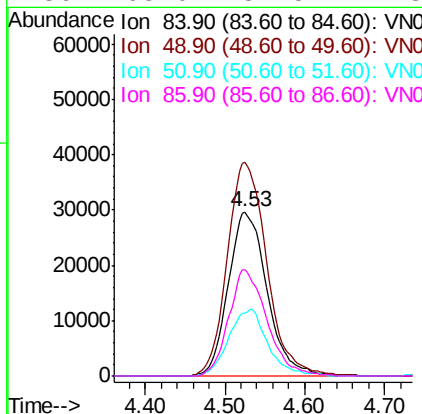
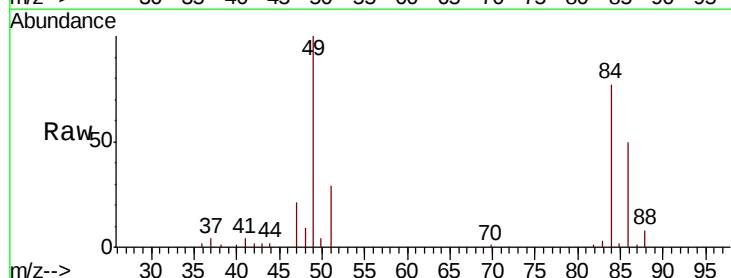
Instrument :
MSVOA_N
ClientSampleId :

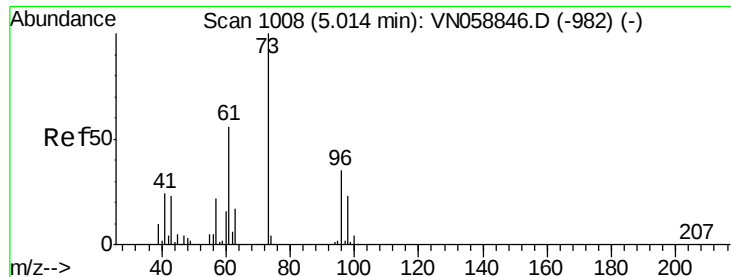
Tot Ion: 73 Resp: 294634
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 20.472 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 84 Resp: 97904
Ion Ratio Lower Upper
84 100
49 130.3 109.6 164.4
51 38.2 33.8 50.6
86 65.0 51.5 77.3



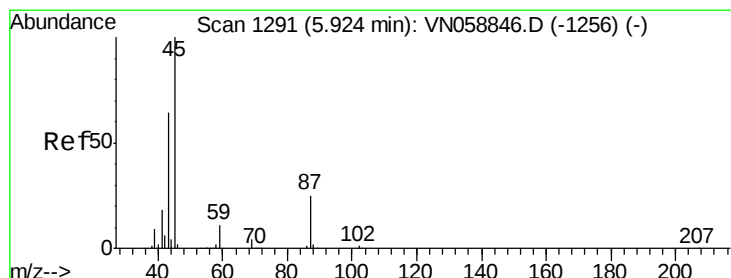
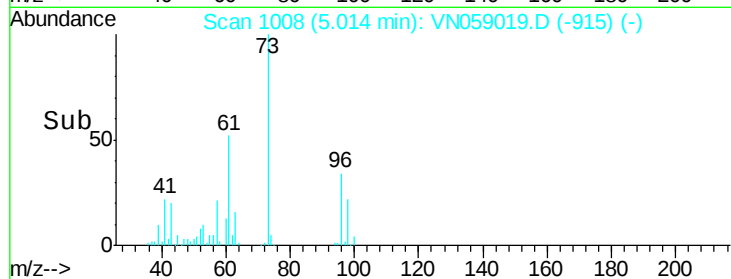
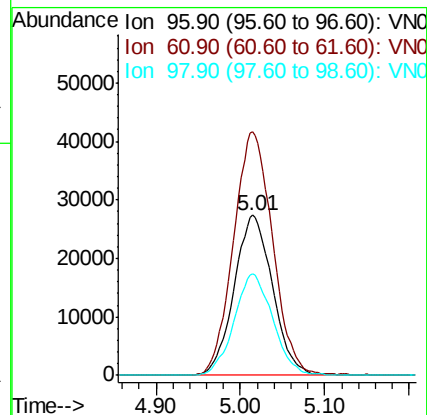
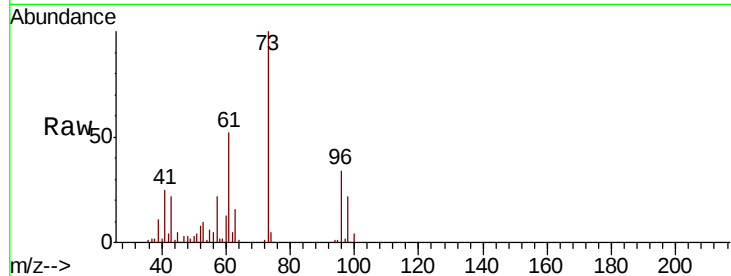


#21

trans-1,2-Dichloroethene
Concen: 20.695 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

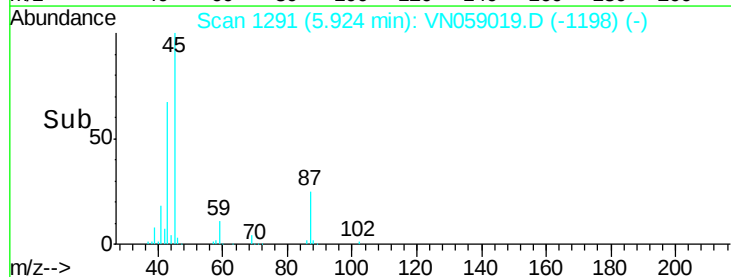
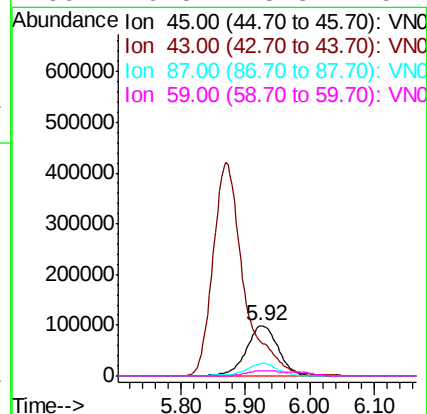
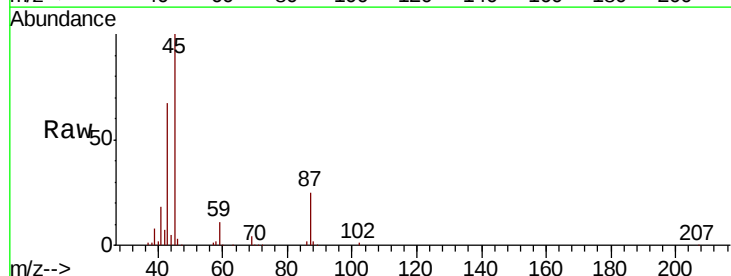
Tot Ion: 96 Resp: 87069
Ion Ratio Lower Upper
96 100
61 152.3 126.7 190.1
98 63.8 52.0 78.0

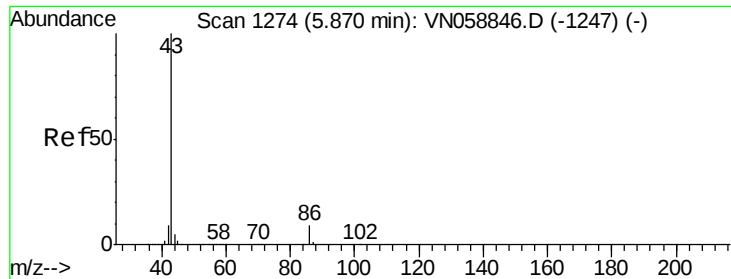


#22

Diisopropyl ether
Concen: 22.611 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 45 Resp: 340943
Ion Ratio Lower Upper
45 100
43 66.1 52.9 79.3
87 25.0 20.2 30.4
59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 115.479 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

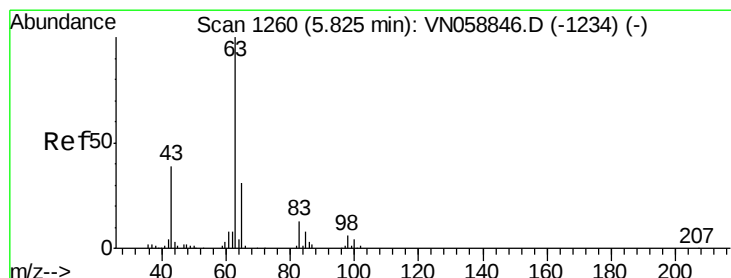
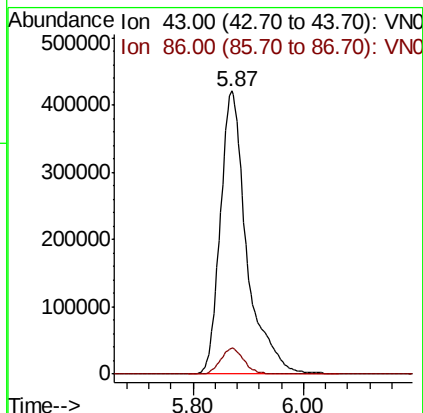
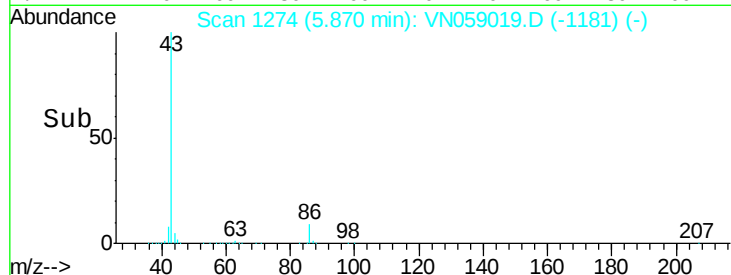
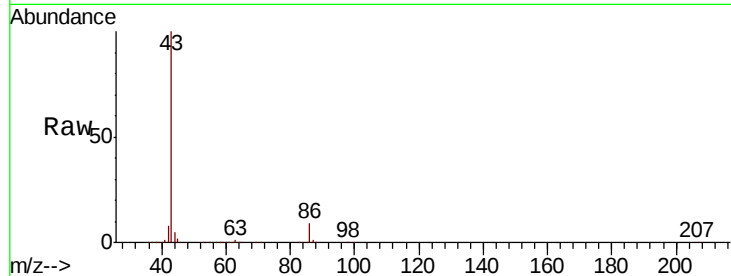
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1398976

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 21.633 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

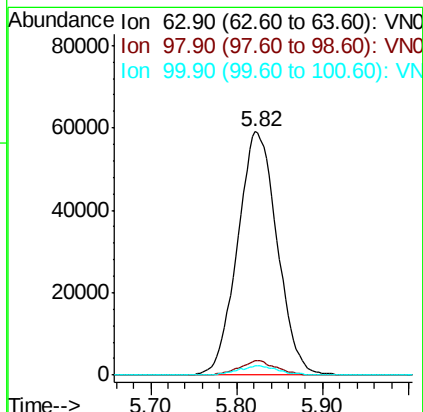
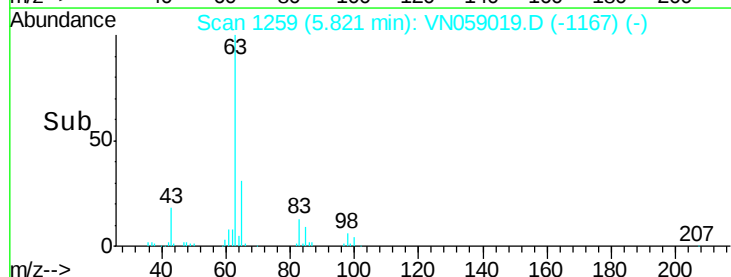
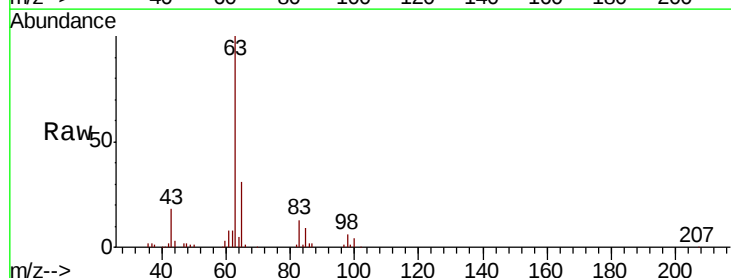
Tgt Ion: 63 Resp: 189139

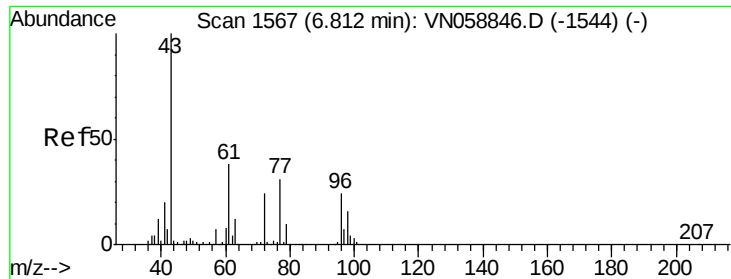
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 1.9 5.7

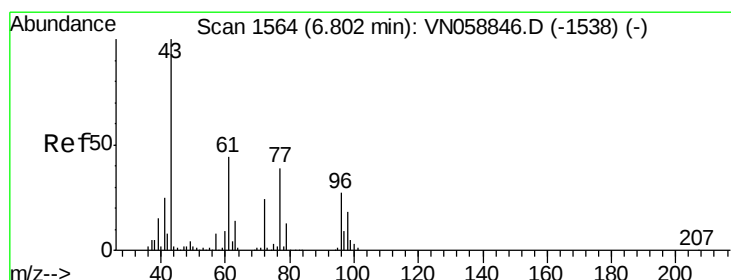
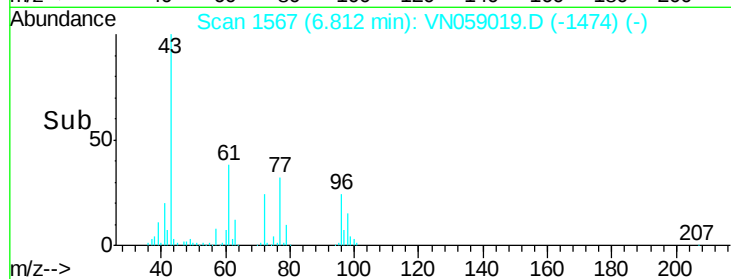
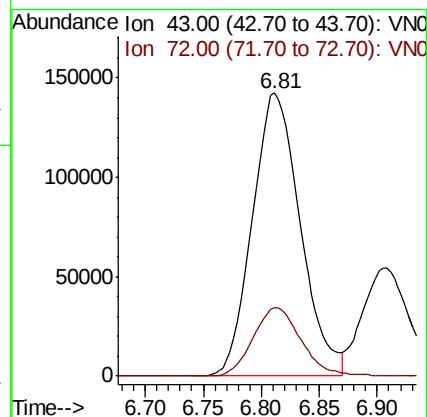
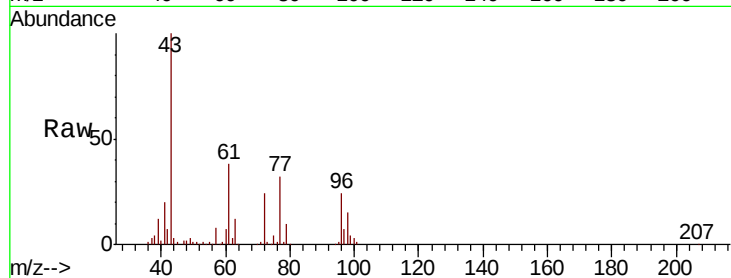




#25
2-Butanone
Concen: 112.538 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

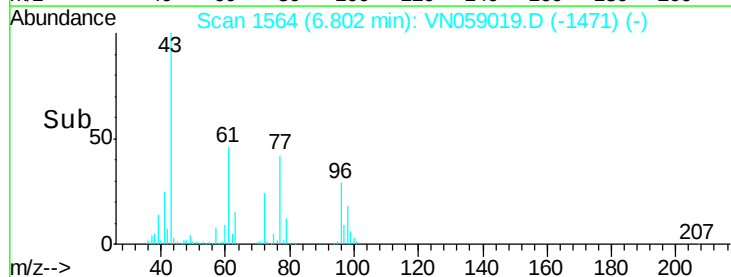
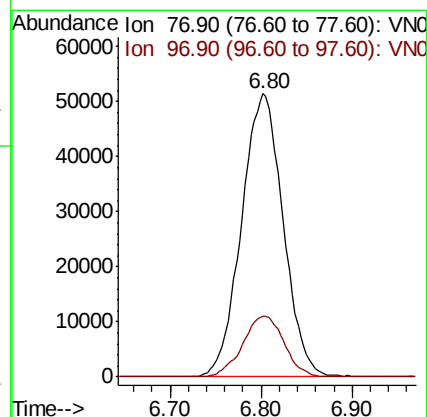
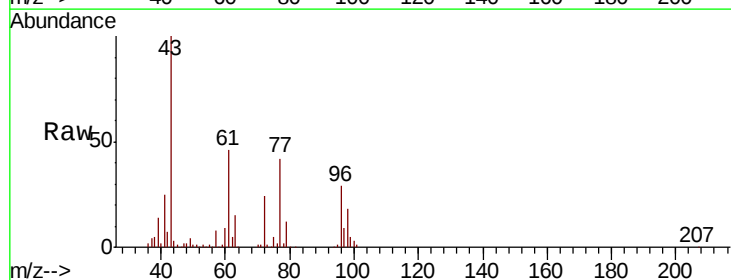
Instrument :
MSVOA_N
ClientSampled :

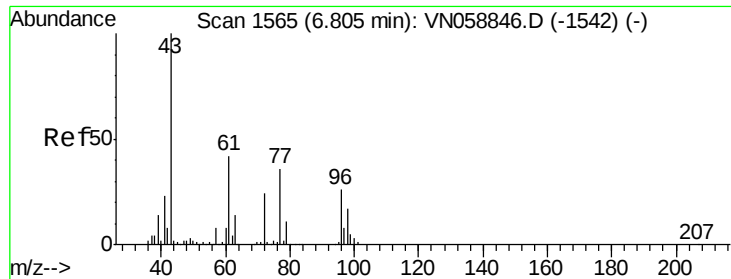
Tot Ion: 43 Resp: 409149
Ion Ratio Lower Upper
43 100
72 24.3 19.1 28.7



#26
2,2-Dichloropropane
Concen: 21.561 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 77 Resp: 163061
Ion Ratio Lower Upper
77 100
97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 21.308 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

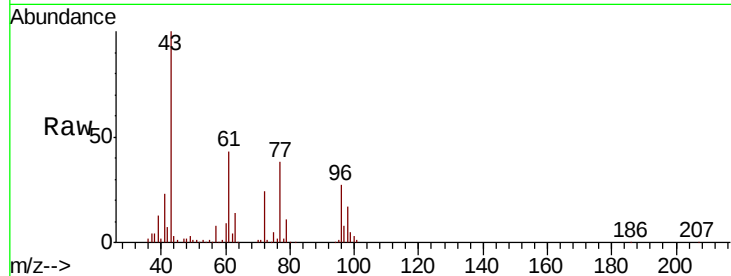
Tot Ion: 96 Resp: 102408

Ion Ratio Lower Upper

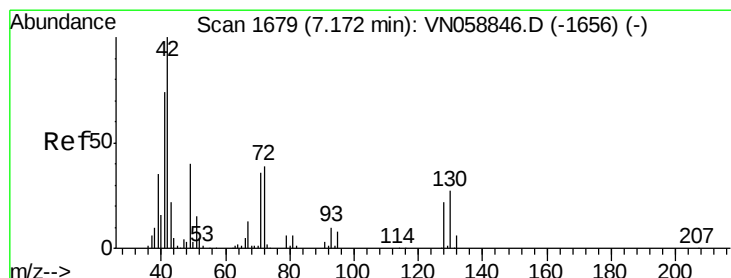
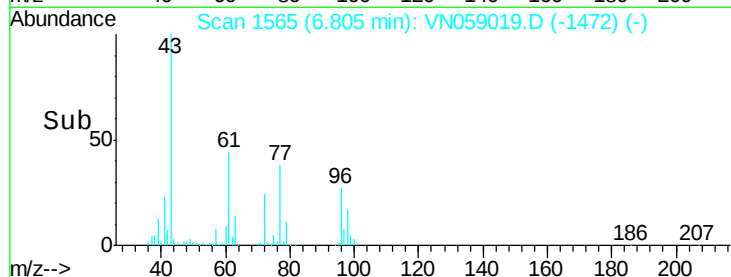
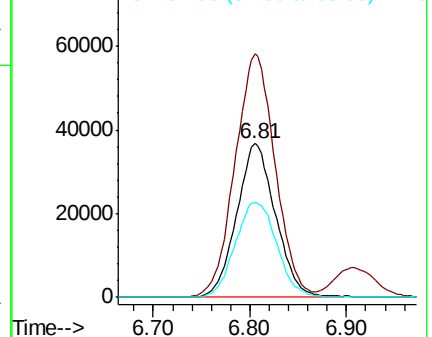
96 100

61 163.7 0.0 325.0

98 66.1 0.0 128.0



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



#28

Bromochloromethane

Concen: 21.370 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

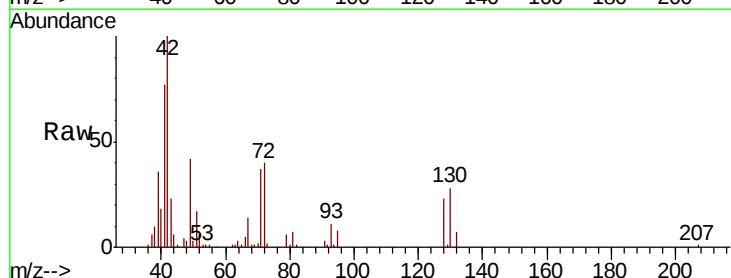
Tgt Ion: 49 Resp: 62225

Ion Ratio Lower Upper

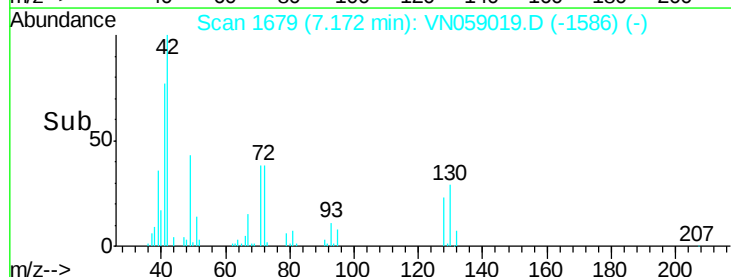
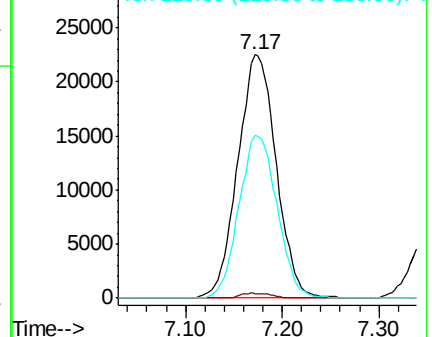
49 100

129 1.0 0.0 3.2

130 66.4 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 113.978 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

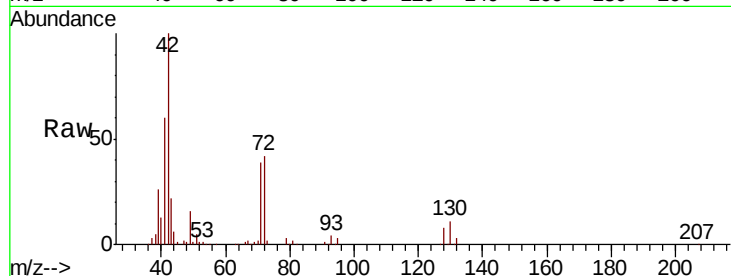
Tot Ion: 42 Resp: 253493

Ion Ratio Lower Upper

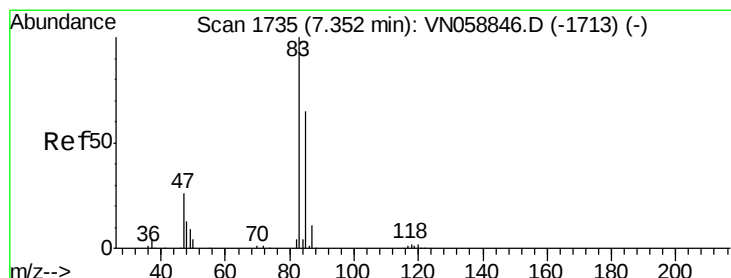
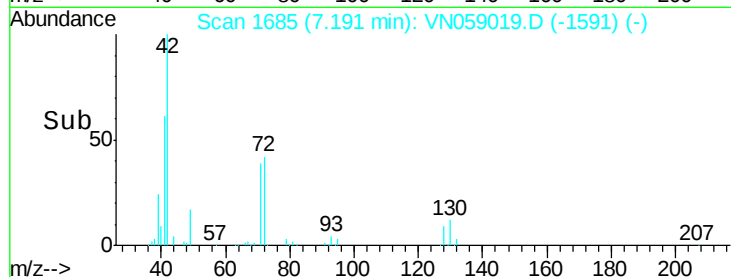
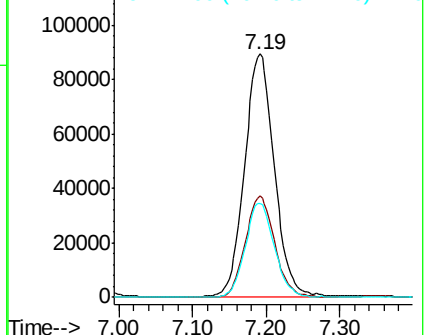
42 100

72 40.8 32.2 48.2

71 37.7 30.6 45.8



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



#30

Chloroform

Concen: 20.340 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059019.D

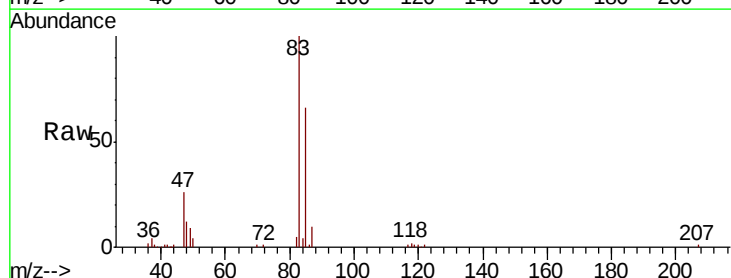
Acq: 30 Oct 2019 10:54

Tgt Ion: 83 Resp: 178385

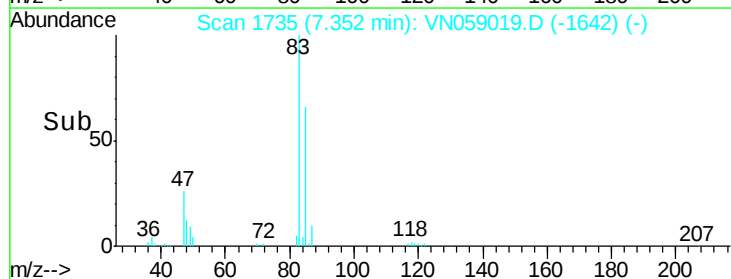
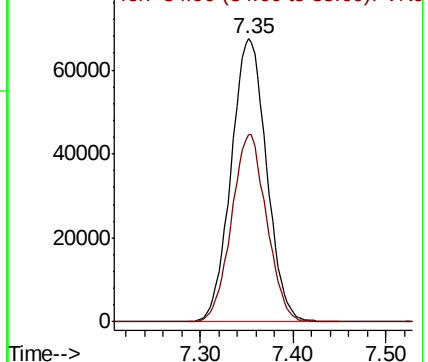
Ion Ratio Lower Upper

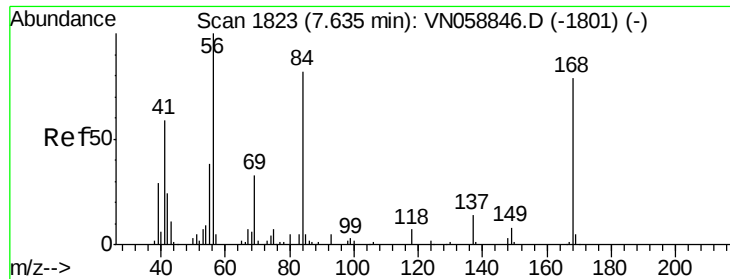
83 100

85 66.3 51.9 77.9



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





#31

Cyclohexane

Concen: 19.901 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

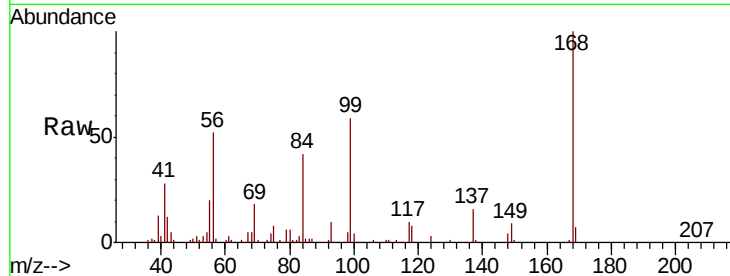
Tot Ion: 56 Resp: 162101

Ion Ratio Lower Upper

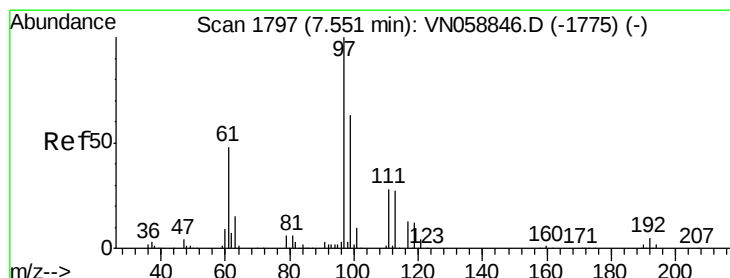
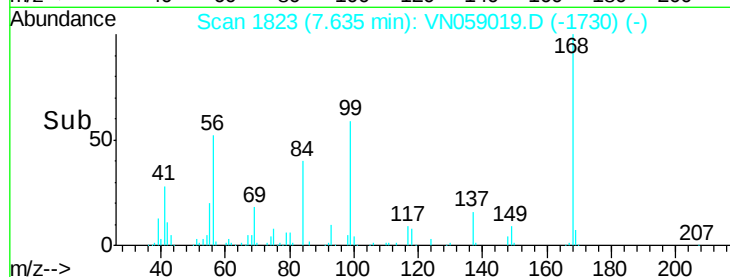
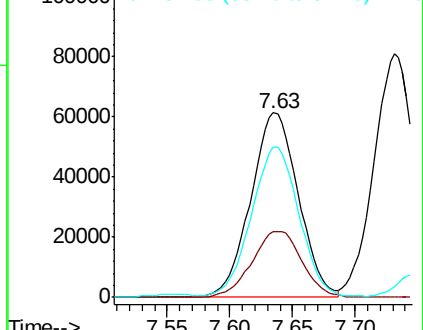
56 100

69 35.5 26.2 39.4

84 79.9 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 20.806 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

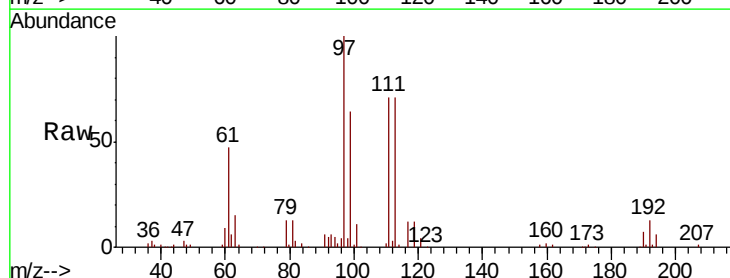
Tgt Ion: 97 Resp: 153804

Ion Ratio Lower Upper

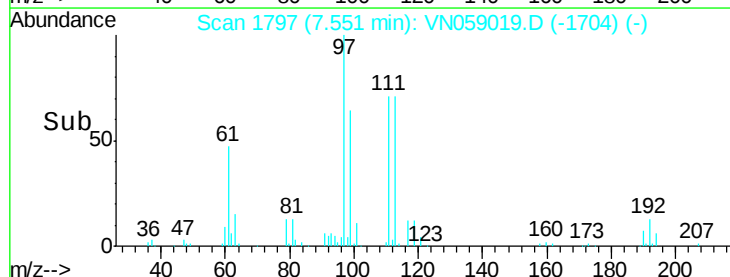
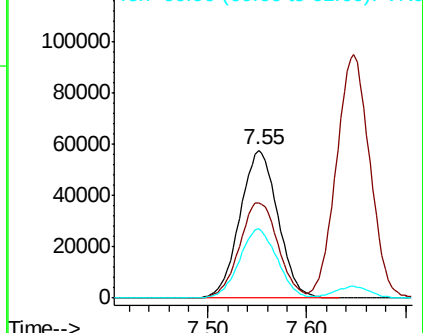
97 100

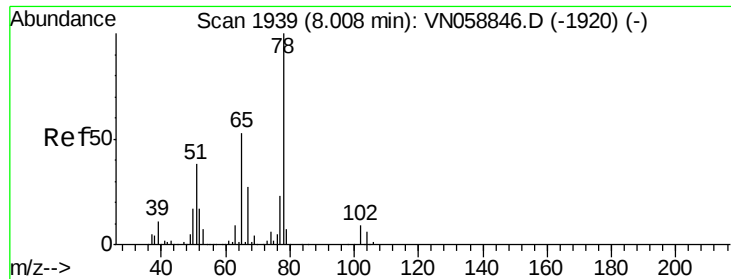
99 65.7 51.0 76.4

61 46.8 38.6 58.0



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





#33

1,2-Dichloroethane-d4

Concen: 49.265 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

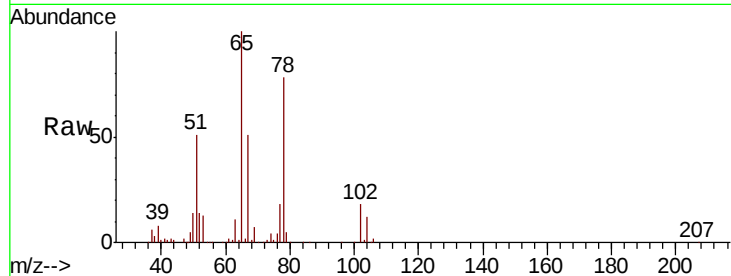
ClientSampled :

Tot Ion: 65 Resp: 279226

Ion Ratio Lower Upper

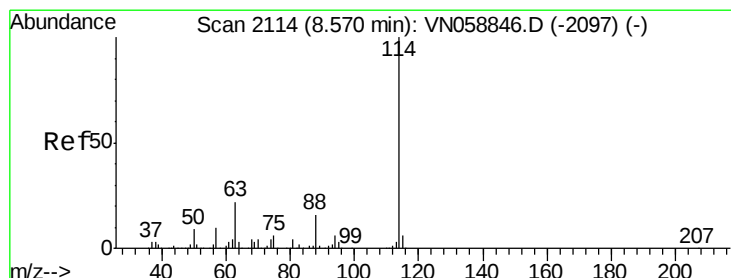
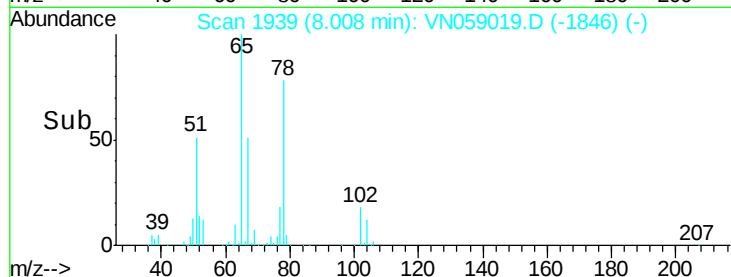
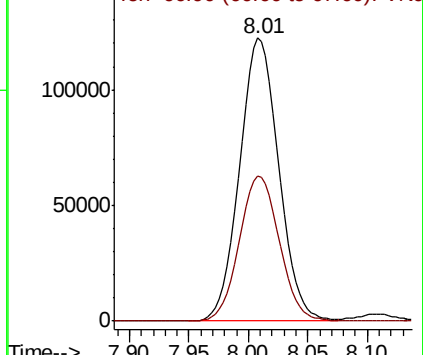
65 100

67 52.5 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN059019.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059019.D (-1846) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

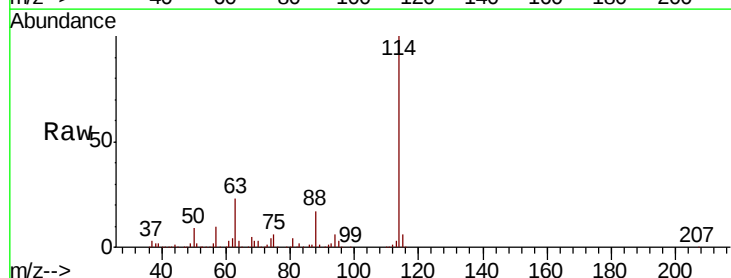
Tgt Ion: 114 Resp: 604737

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

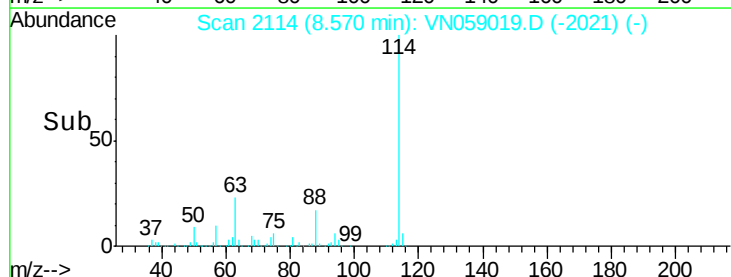
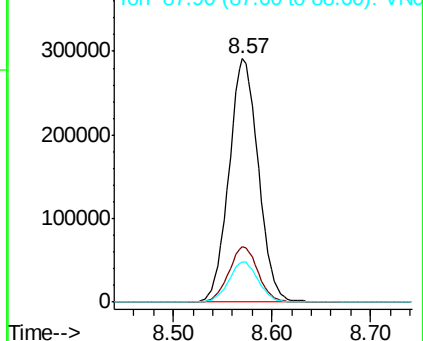
88 16.6 0.0 31.4

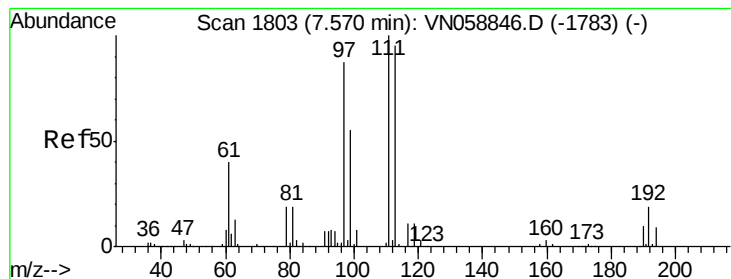


Abundance Ion 113.90 (113.60 to 114.60): VN059019.D (-2021) (-)

Ion 63.00 (62.70 to 63.70): VN059019.D (-2021) (-)

Ion 87.90 (87.60 to 88.60): VN059019.D (-2021) (-)





#35

Dibromofluoromethane

Concen: 53.279 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

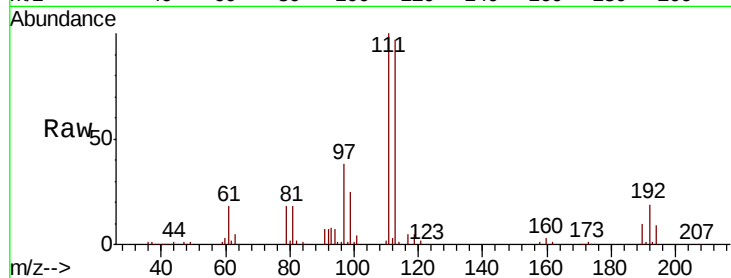
Tot Ion:113 Resp: 211835

Ion Ratio Lower Upper

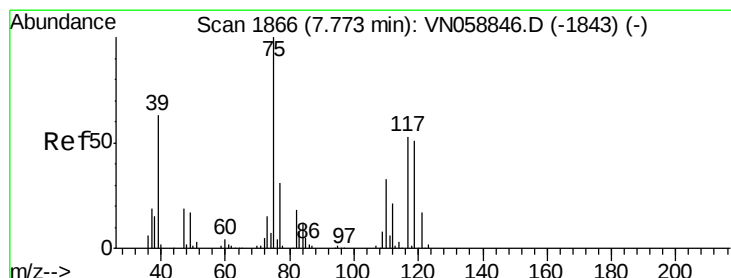
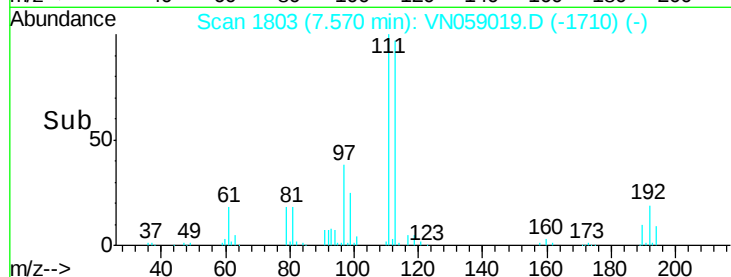
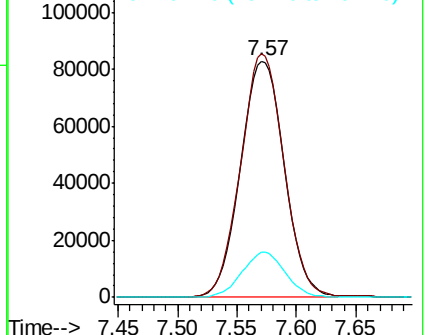
113 100

111 101.5 82.0 123.0

192 18.9 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: 21.239 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

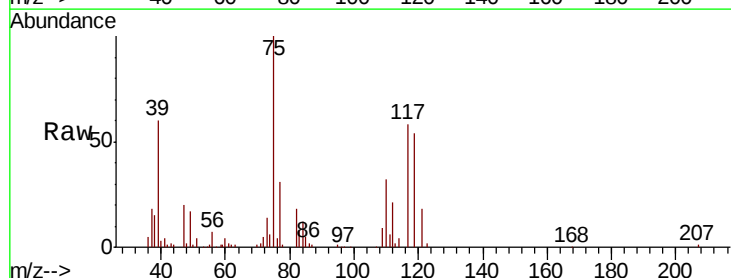
Tgt Ion: 75 Resp: 131494

Ion Ratio Lower Upper

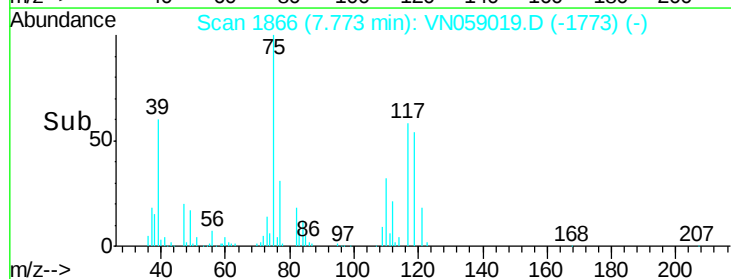
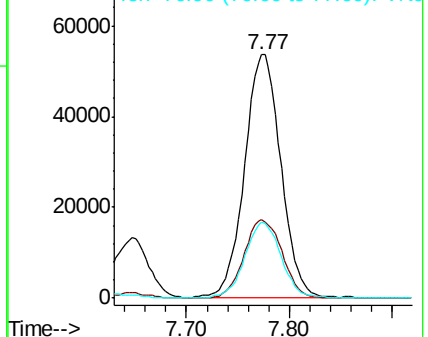
75 100

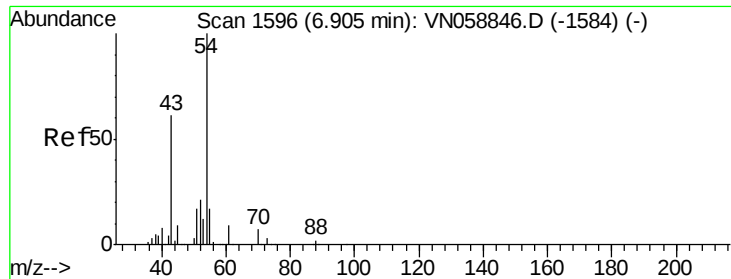
110 33.5 16.3 48.9

77 31.1 24.6 36.8



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

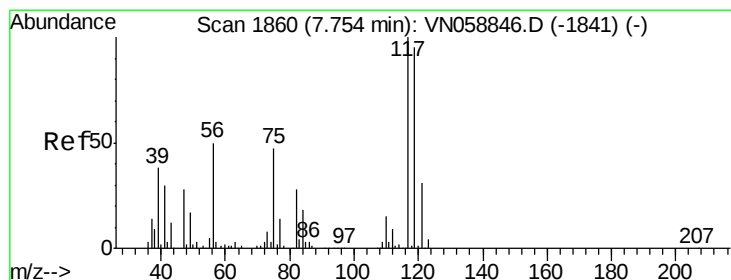
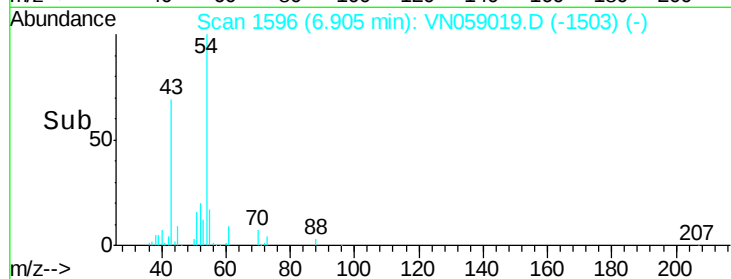
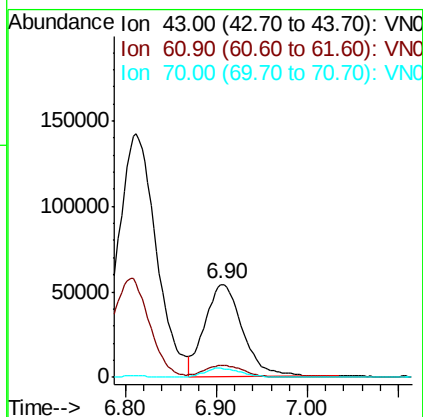
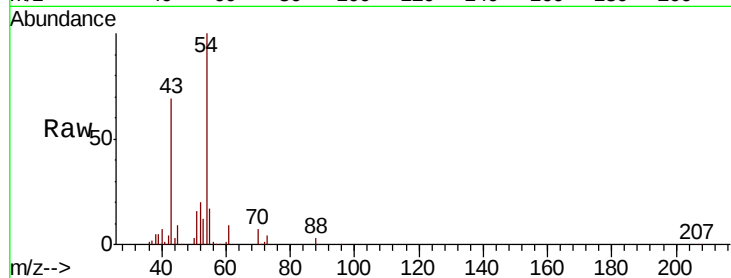




#37
Ethyl Acetate
Concen: 22.993 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

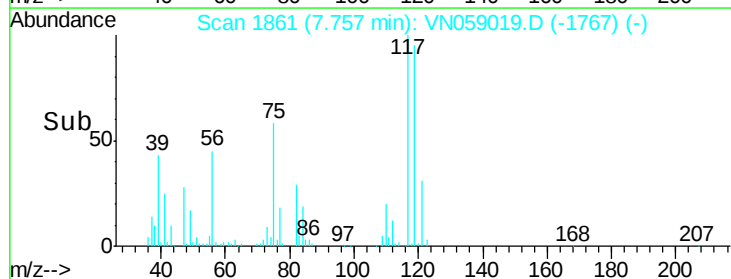
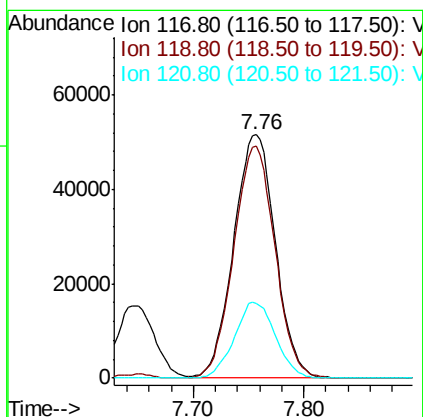
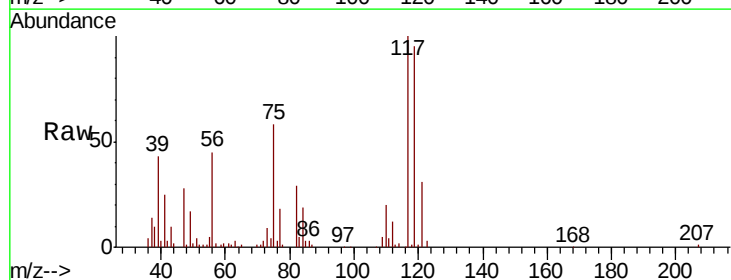
Instrument :
MSVOA_N
ClientSampleId :

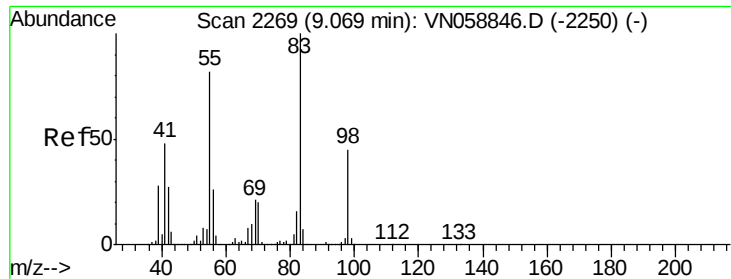
Tot Ion: 43 Resp: 155110
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.177 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 117 Resp: 135073
Ion Ratio Lower Upper
117 100
119 95.1 75.7 113.5
121 30.8 25.0 37.6

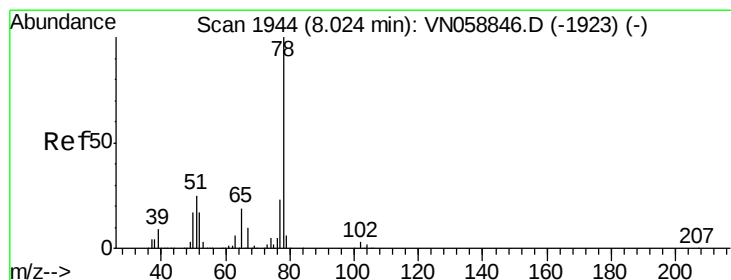
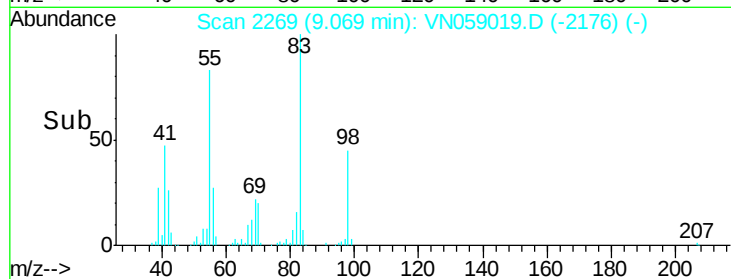
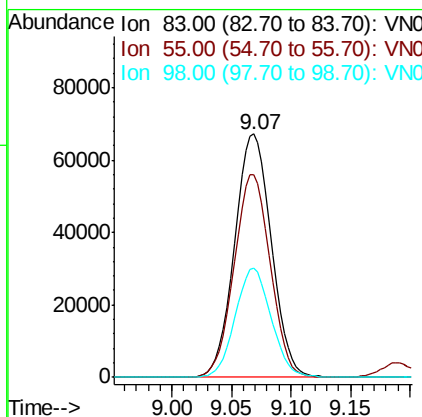
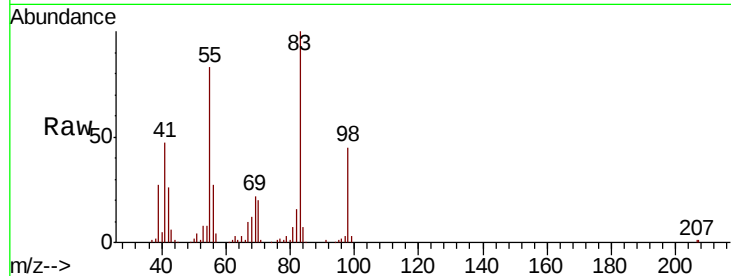




#39
Methvlcvclohexane
Concen: 20.688 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

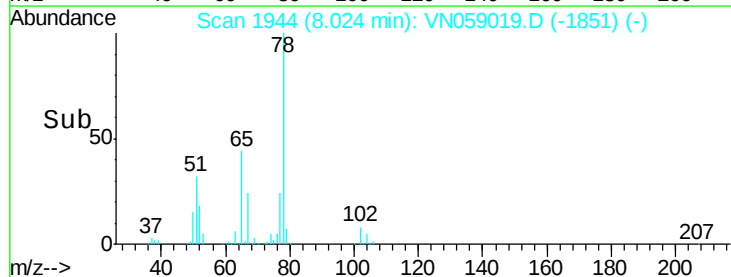
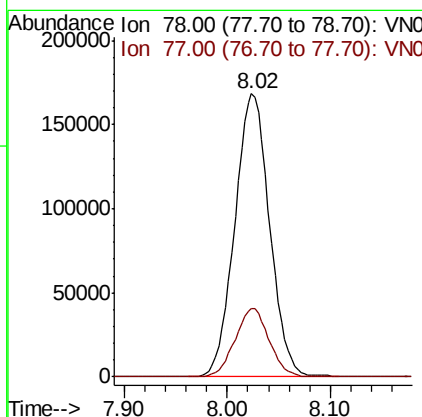
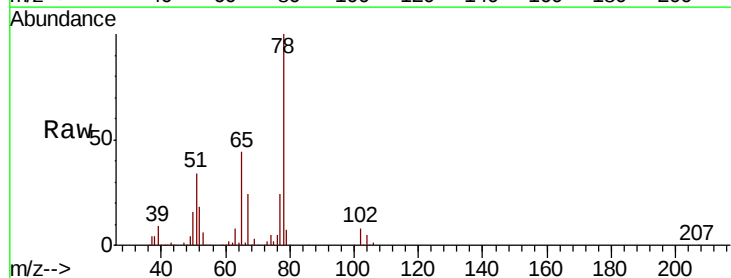
Instrument :
MSVOA_N
ClientSampled :

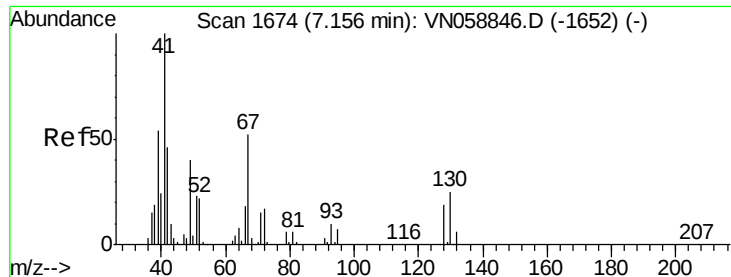
Tot Ion: 83 Resp: 143817
Ion Ratio Lower Upper
83 100
55 83.2 65.5 98.3
98 45.0 35.7 53.5



#40
Benzene
Concen: 21.749 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 78 Resp: 395408
Ion Ratio Lower Upper
78 100
77 24.3 18.2 27.2

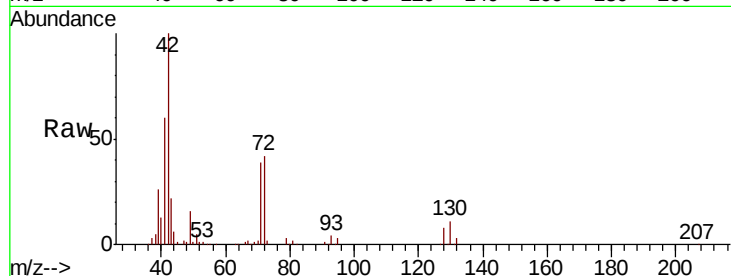




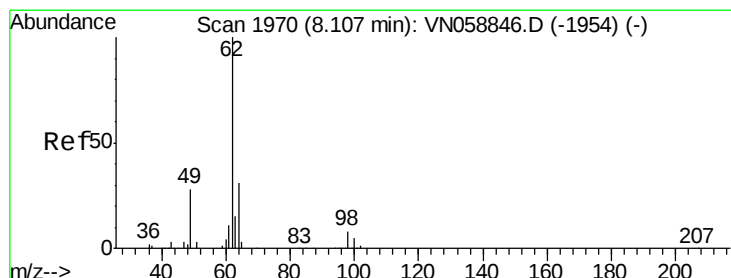
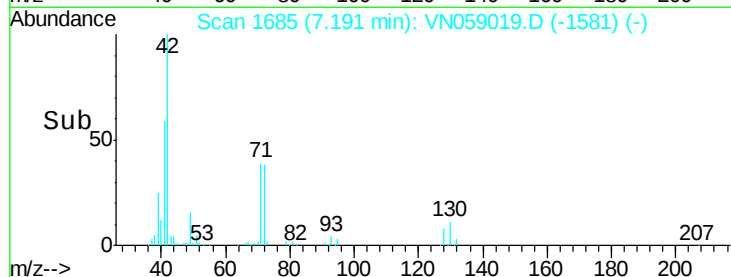
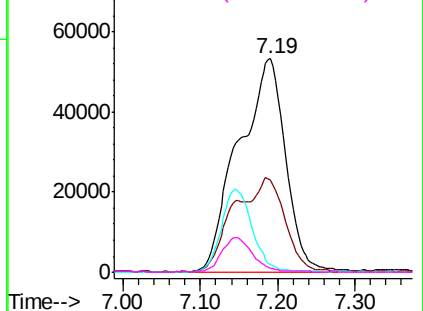
#41
Methacrylonitrile
Concen: 75.063 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	225531
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

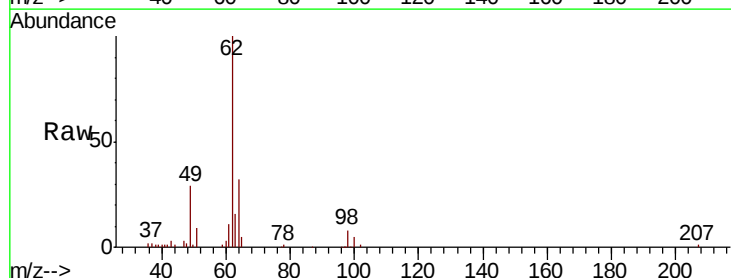


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

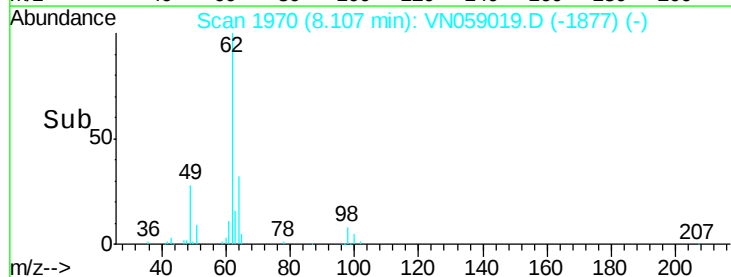
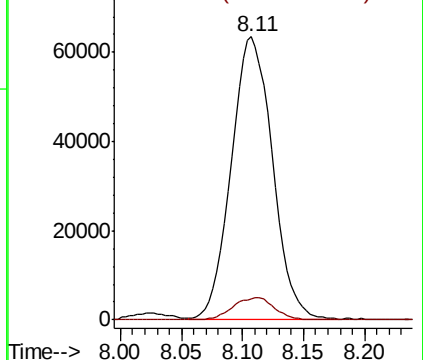


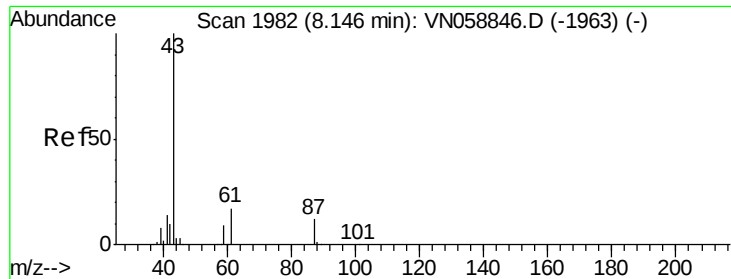
#42
1,2-Dichloroethane
Concen: 21.154 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion:	62	Resp:	148151
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



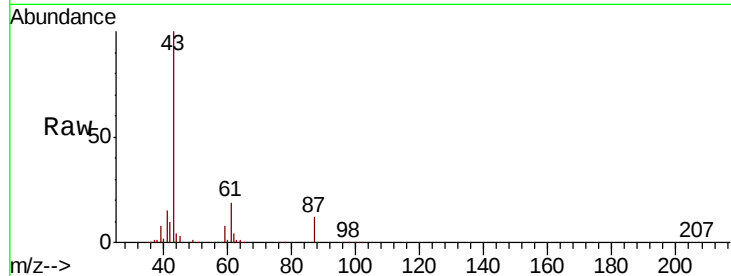


#43

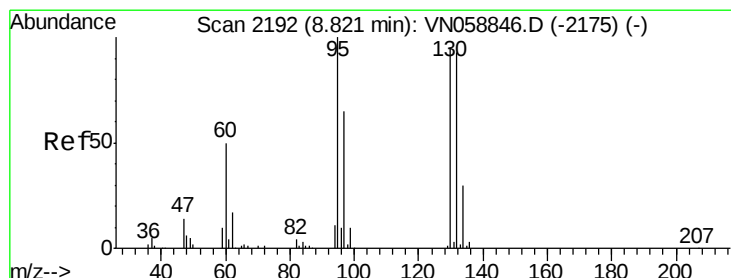
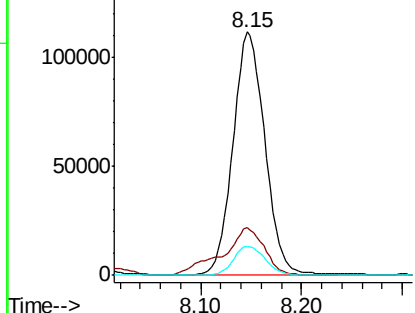
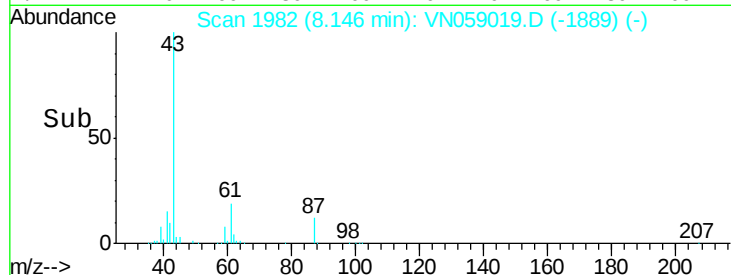
Isopropyl Acetate
 Concen: 22.515 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	43	Resp	243596
Ion Ratio	Lower	Upper	
43	100		
61	25.9	20.2	30.2
87	12.1	9.5	14.3



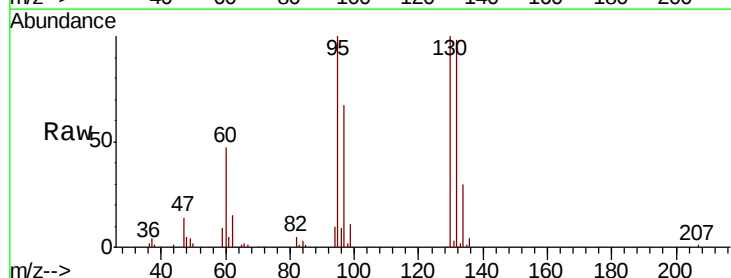
Abundance Ion 43.00 (42.70 to 43.70): VN059019.D (-1889) (-)
 Ion 61.00 (60.70 to 61.70): VN059019.D (-1889) (-)
 Ion 87.00 (86.70 to 87.70): VN059019.D (-1889) (-)



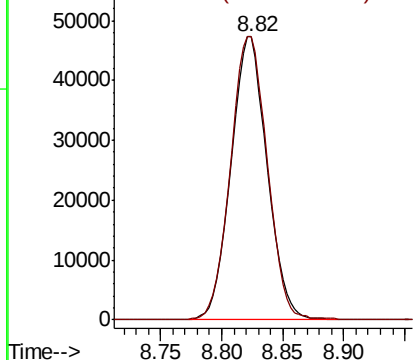
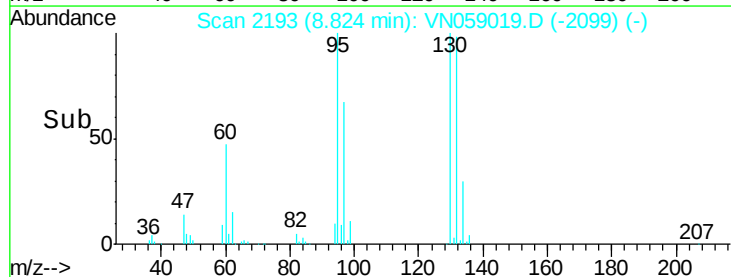
#44

Trichloroethene
 Concen: 21.887 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	130	Resp	96932
Ion Ratio	Lower	Upper	
130	100		
95	100.0	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN059019.D (-2099) (-)
 Ion 94.90 (94.60 to 95.60): VN059019.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 22.112 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

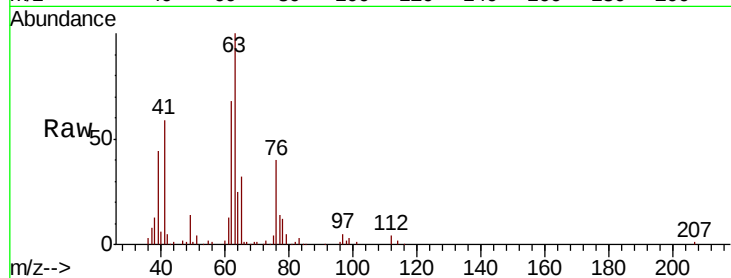
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 110238

Ion Ratio Lower Upper

63 100

65 32.3 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

9.11

60000

50000

40000

30000

20000

10000

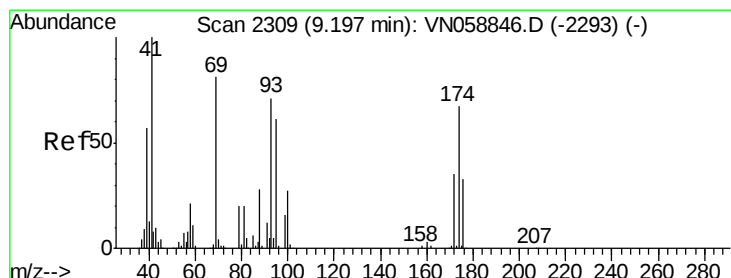
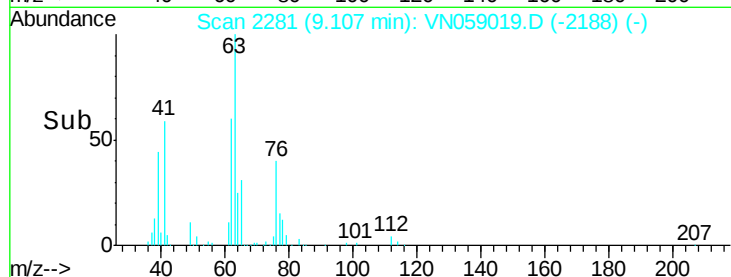
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 21.576 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

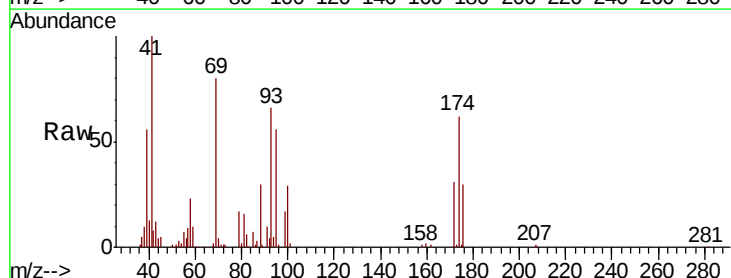
Tgt Ion: 93 Resp: 67999

Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 96.9 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058846.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058846.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058846.D (-2293) (-)

9.19

40000

30000

20000

10000

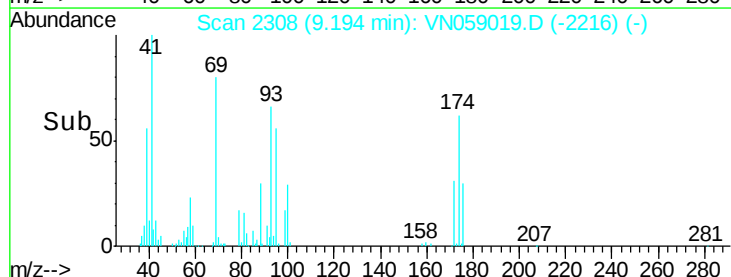
0

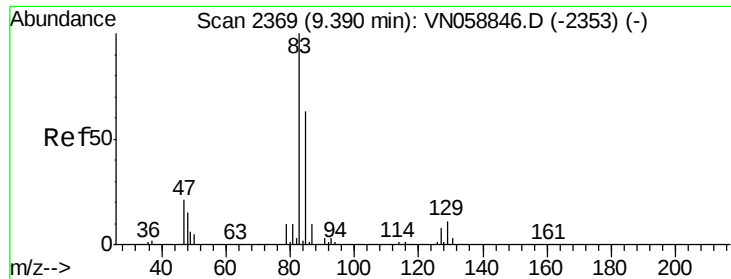
Time-->

9.15

9.20

9.25





#47

Bromodichloromethane

Concen: 21.876 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

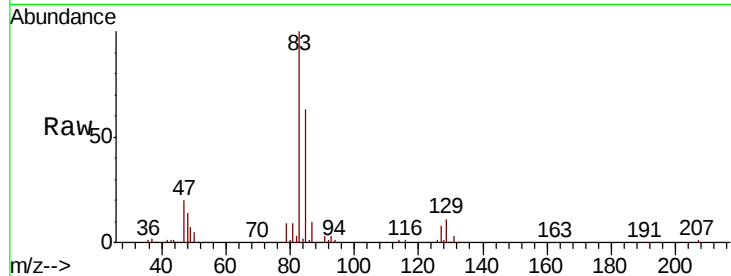
Tot Ion: 83 Resp: 142102

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8

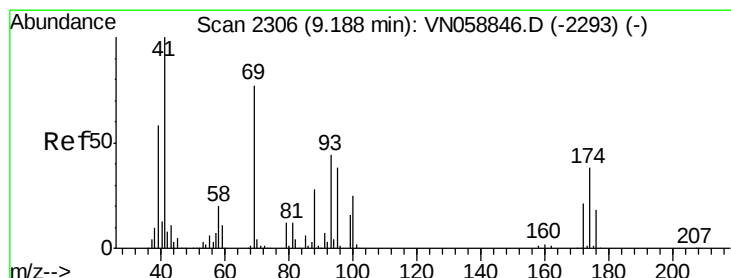
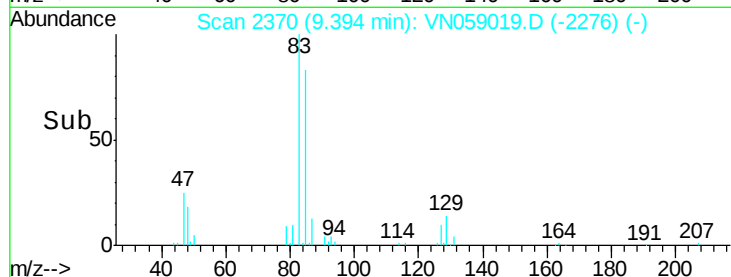
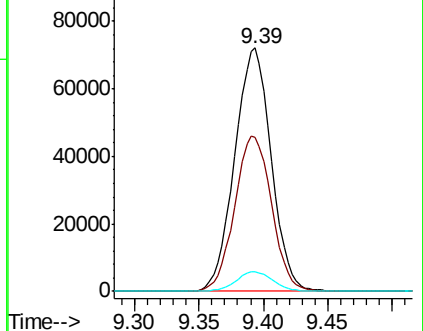
127 7.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48

Methyl methacrylate

Concen: 22.732 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

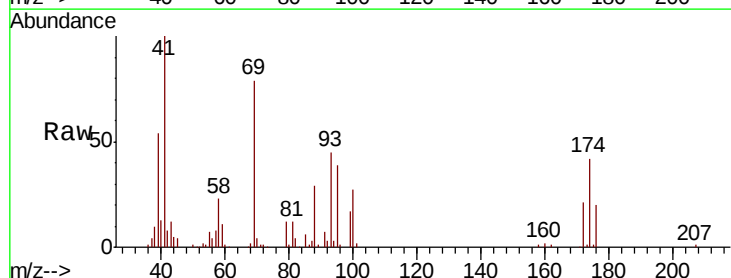
Tgt Ion: 41 Resp: 111585

Ion Ratio Lower Upper

41 100

69 78.6 63.8 95.6

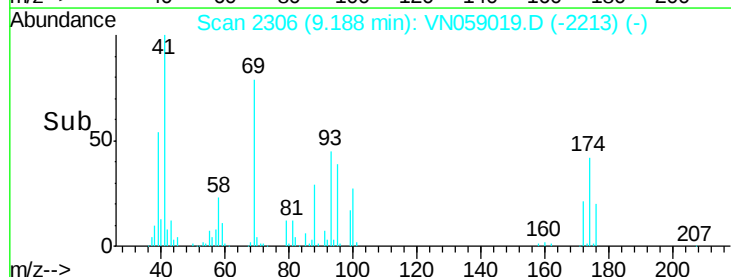
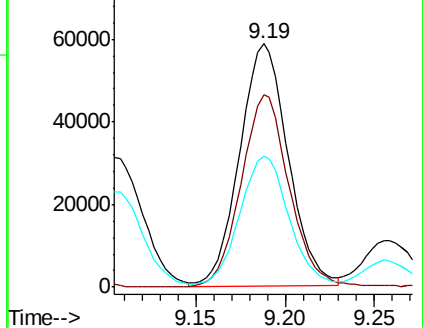
39 54.8 47.8 71.8

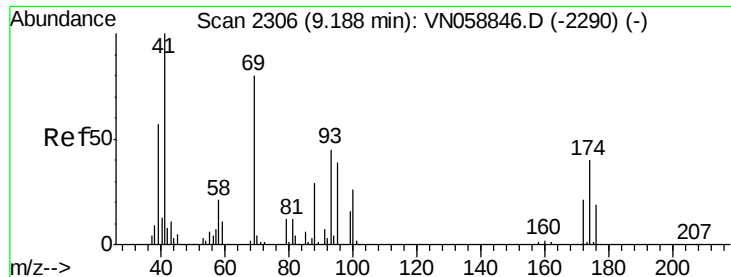


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

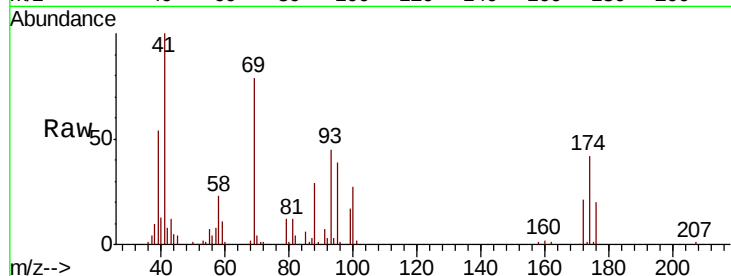




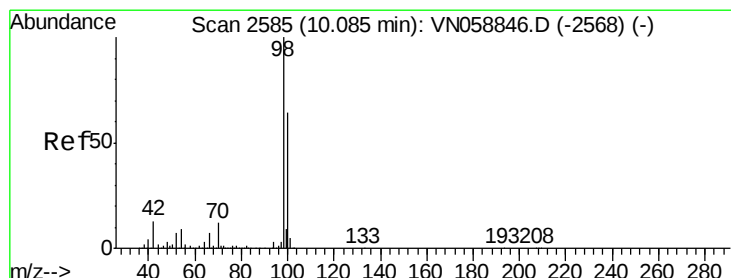
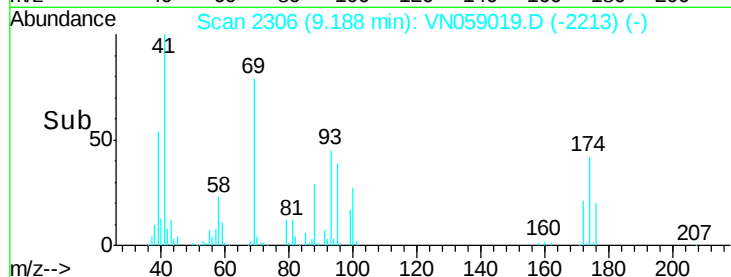
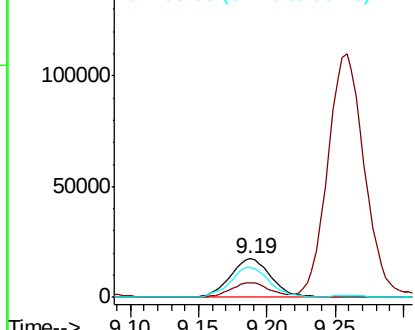
#49
 1,4-Dioxane
 Concen: 449.577 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 36227
 Ion Ratio Lower Upper
 88 100
 43 37.2 29.1 43.7
 58 75.3 59.4 89.0

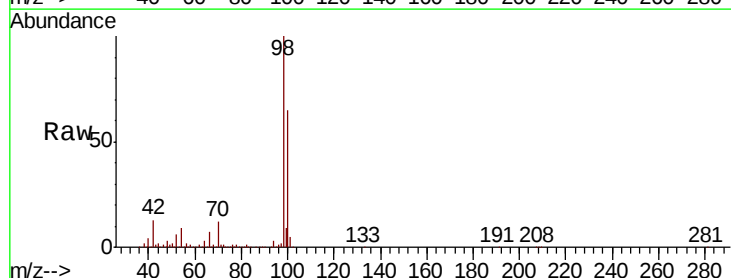


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

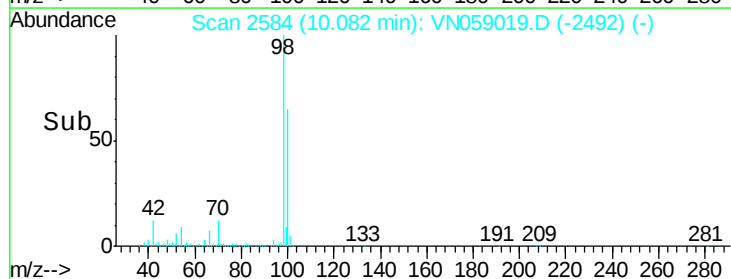
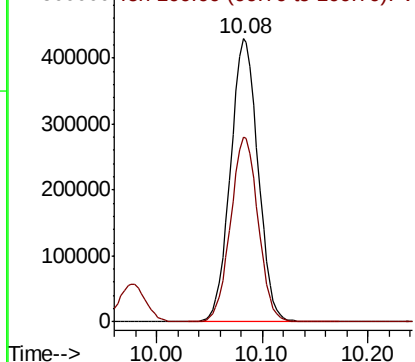


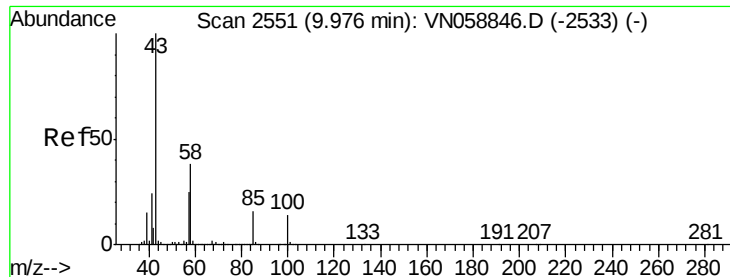
#50
 Toluene-d8
 Concen: 50.385 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion: 98 Resp: 777659
 Ion Ratio Lower Upper
 98 100
 100 64.9 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: 124.089 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

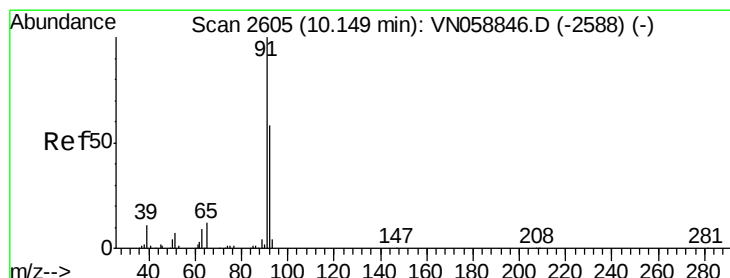
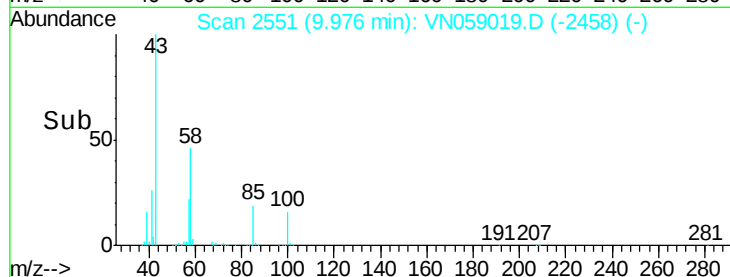
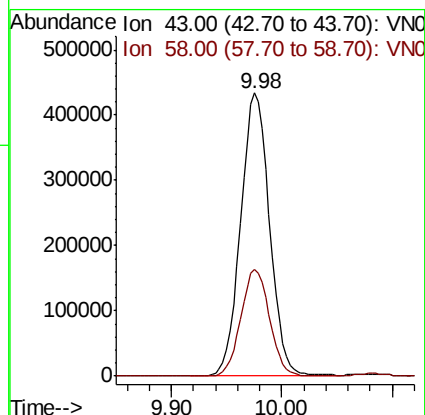
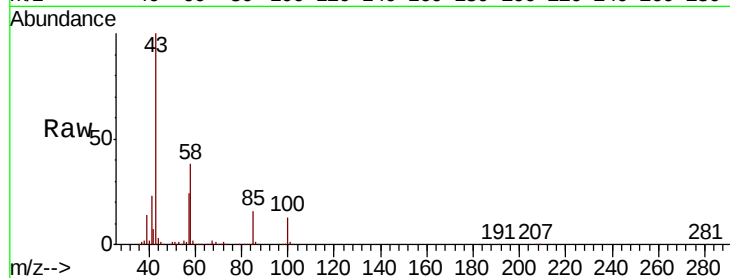
ClientSampleId :

Tot Ion: 43 Resp: 784177

Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9



#52

Toluene

Concen: 22.046 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059019.D

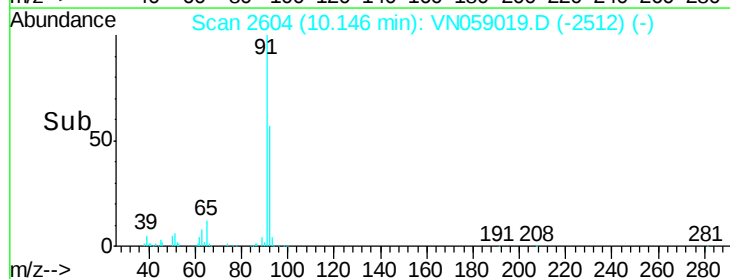
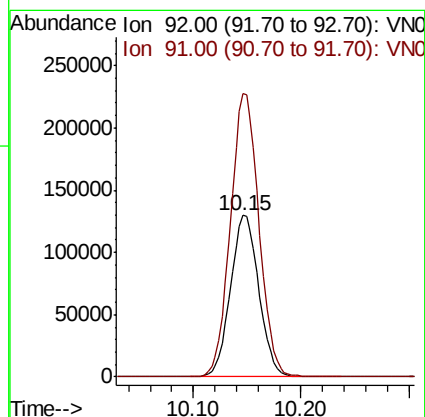
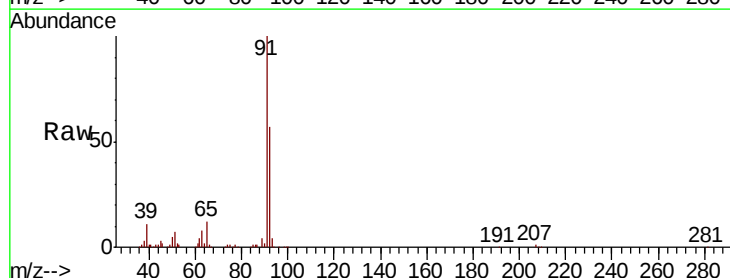
Acq: 30 Oct 2019 10:54

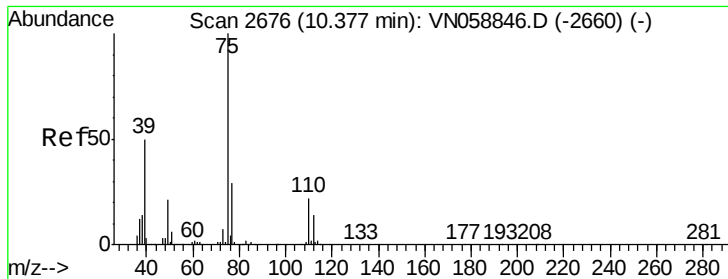
Tgt Ion: 92 Resp: 237685

Ion Ratio Lower Upper

92 100

91 176.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 21.682 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

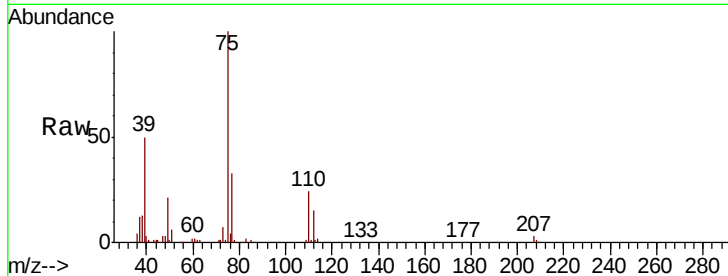
ClientSampleId :

Tot Ion: 75 Resp: 155911

Ion Ratio Lower Upper

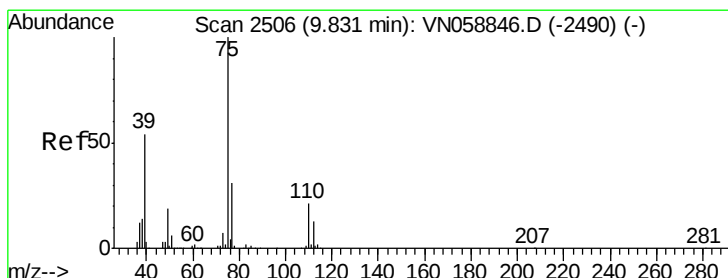
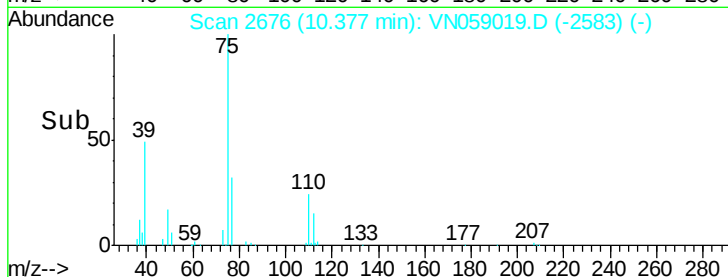
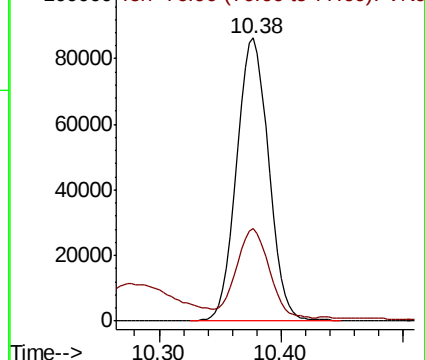
75 100

77 31.6 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.981 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

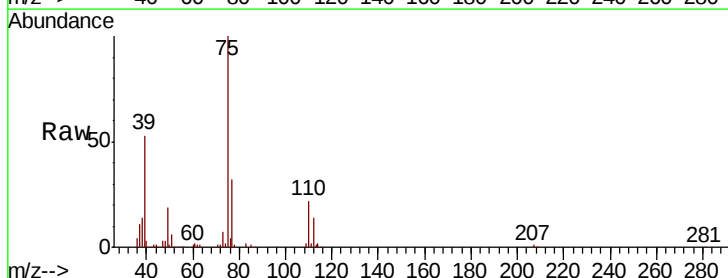
Tgt Ion: 75 Resp: 168873

Ion Ratio Lower Upper

75 100

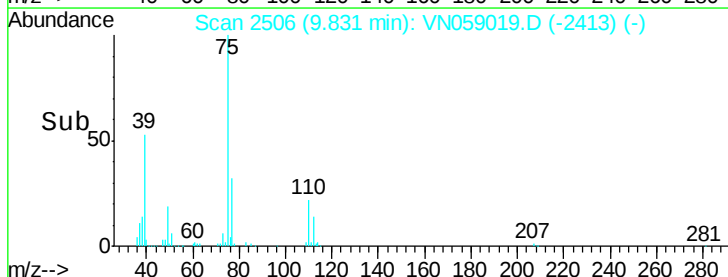
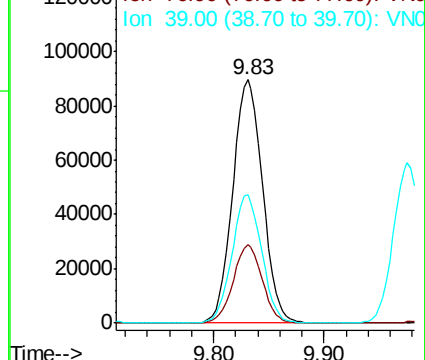
77 32.1 24.7 37.1

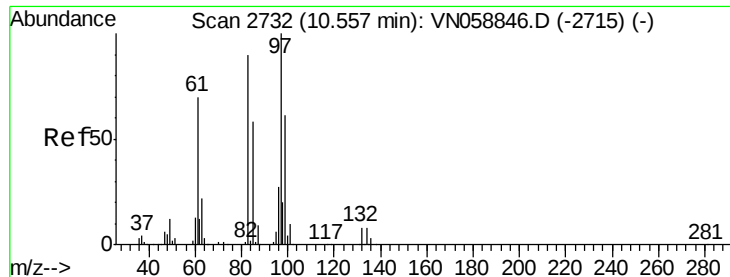
39 52.8 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

1,1,2-Trichloroethane

Concen: 22.054 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

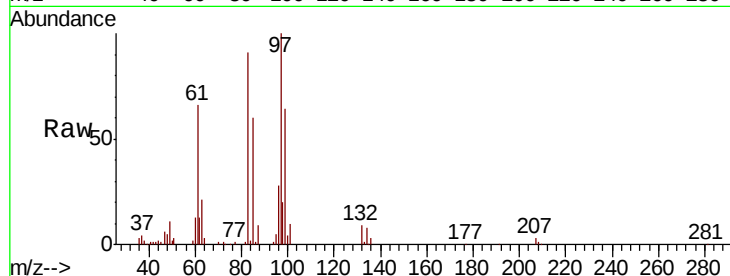
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 97952

Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.2	108.4
85	60.0	46.2	69.2
99	63.7	48.7	73.1



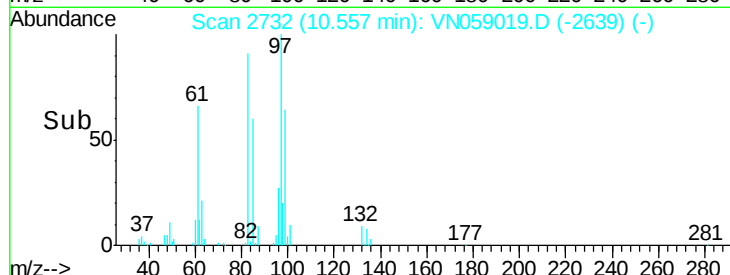
Abundance

Ion 96.90 (96.60 to 97.60): VN0

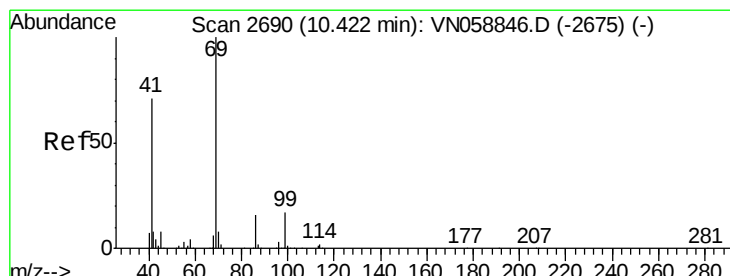
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 20.770 ug/l

RT: 10.42 min Scan# 2690

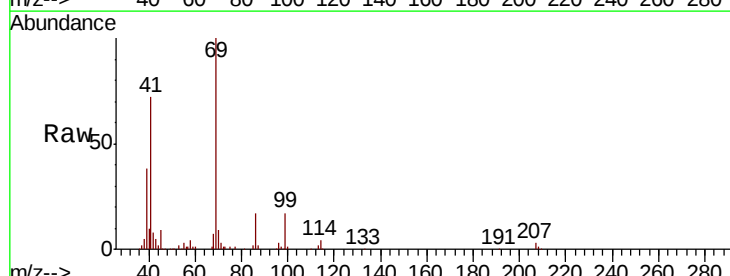
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion: 69 Resp: 145409

Ion	Ratio	Lower	Upper
69	100		
41	70.7	57.2	85.8
39	36.5	31.0	46.4

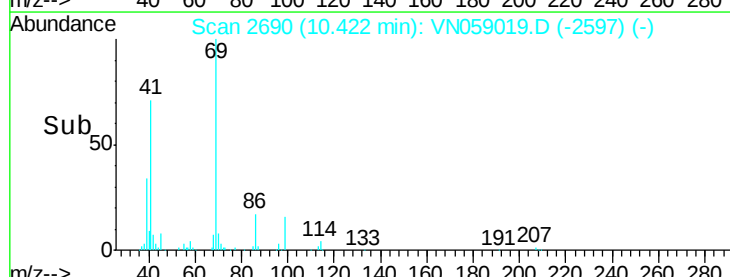


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#57

1,3-Dichloropropane

Concen: 21.817 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

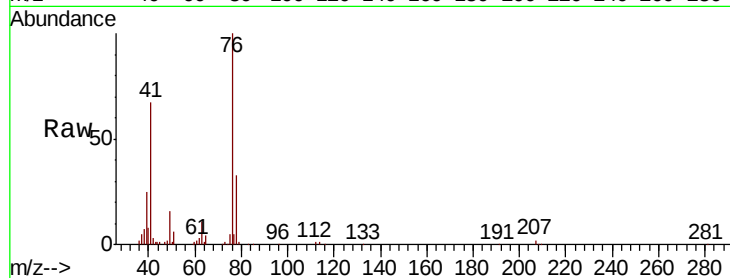
ClientSampled :

Tot Ion: 76 Resp: 170070

Ion Ratio Lower Upper

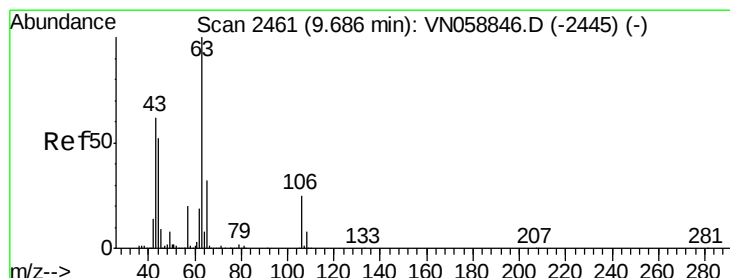
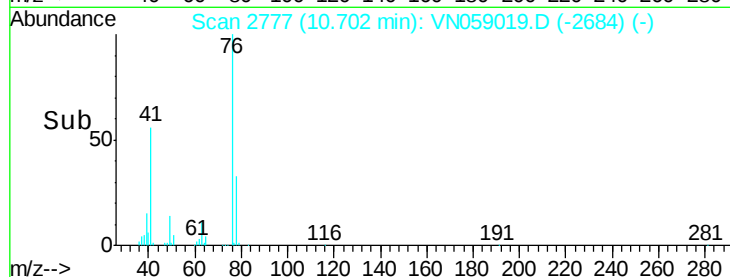
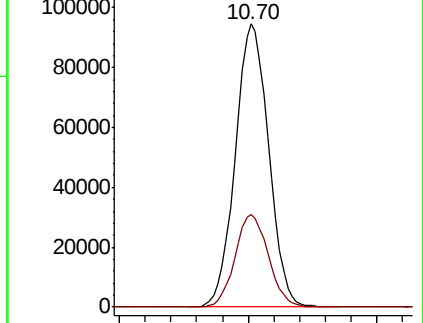
76 100

78 32.8 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: 99.578 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059019.D

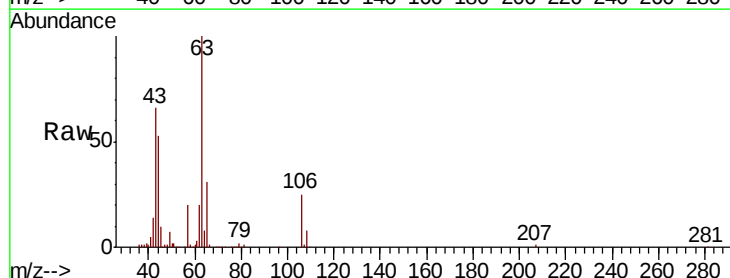
Acq: 30 Oct 2019 10:54

Tgt Ion: 63 Resp: 302727

Ion Ratio Lower Upper

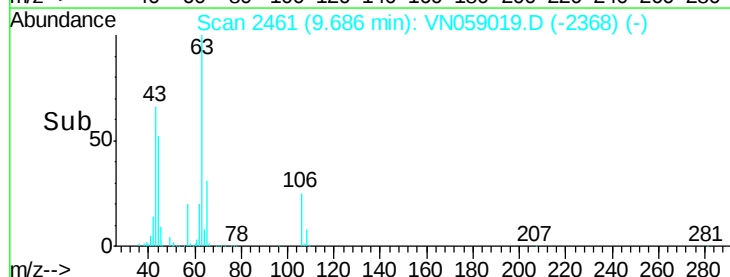
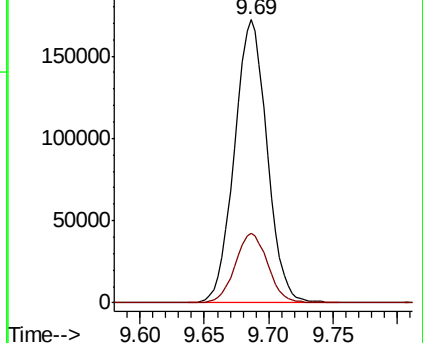
63 100

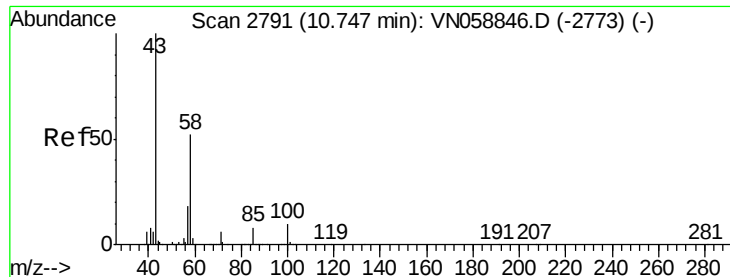
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

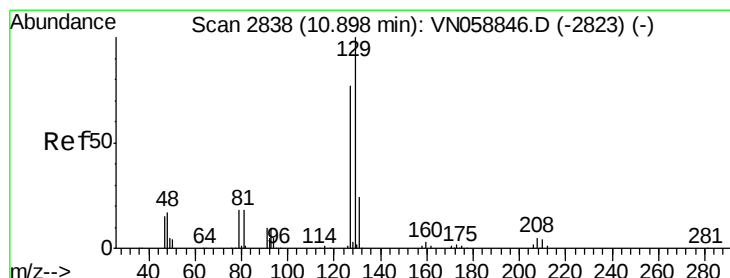
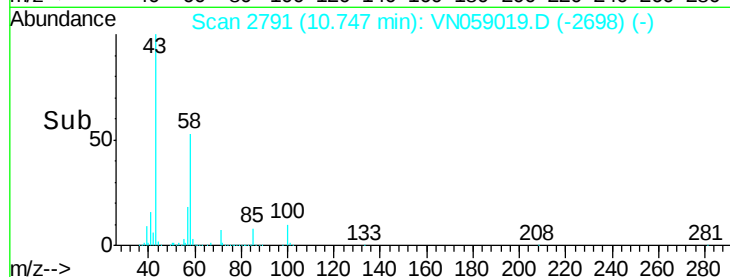
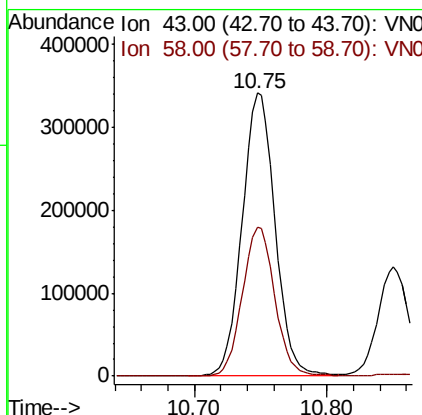
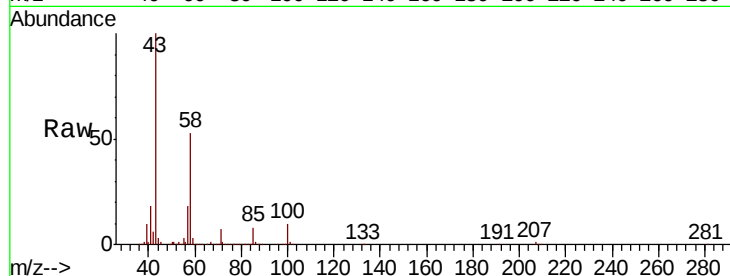




#59
2-Hexanone
Concen: 119.676 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

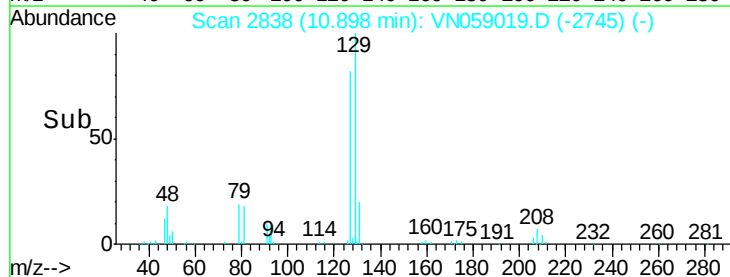
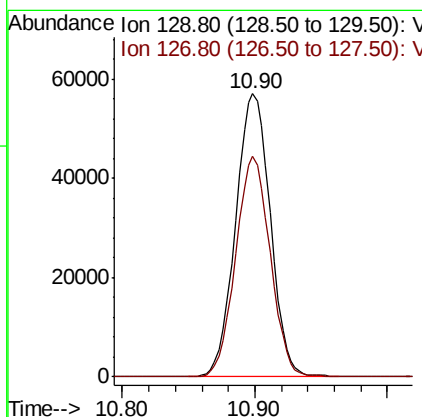
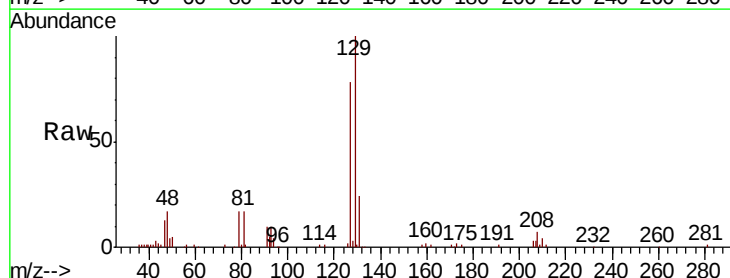
Instrument :
MSVOA_N
ClientSampleId :

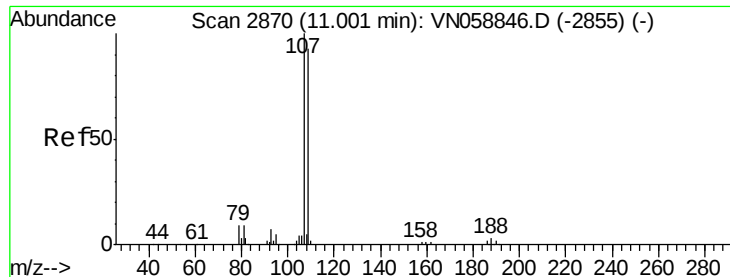
Tot Ion: 43 Resp: 584407
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7



#60
Dibromochloromethane
Concen: 21.736 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 129 Resp: 103911
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 22.274 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

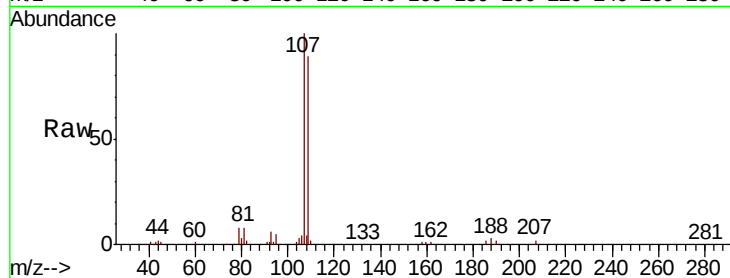
ClientSampleId :

Tot Ion: 107 Resp: 101240

Ion Ratio Lower Upper

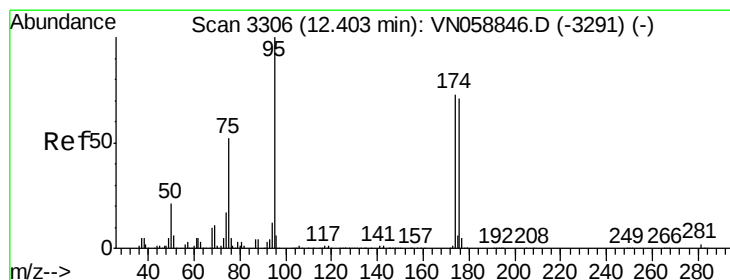
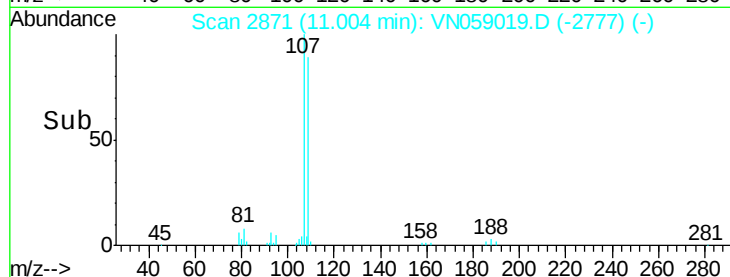
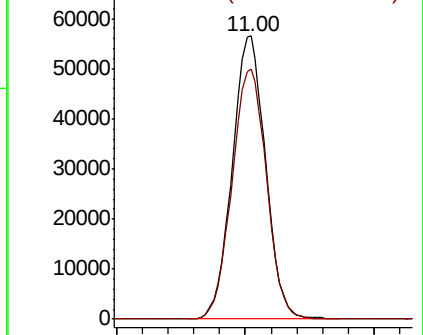
107 100

109 91.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.252 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

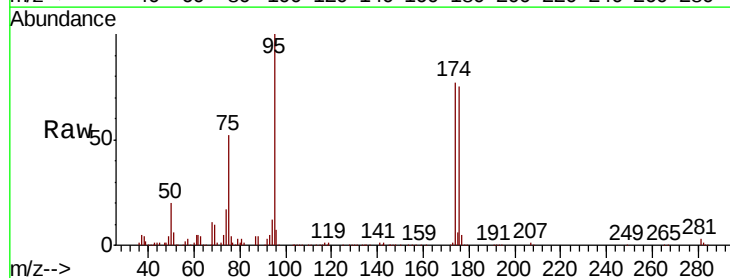
Tgt Ion: 95 Resp: 284819

Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.6

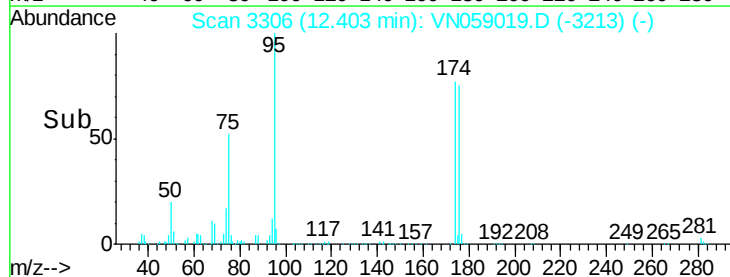
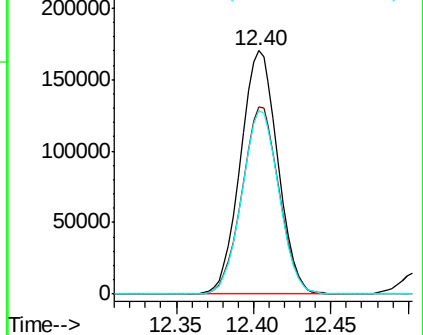
176 74.9 0.0 143.2



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

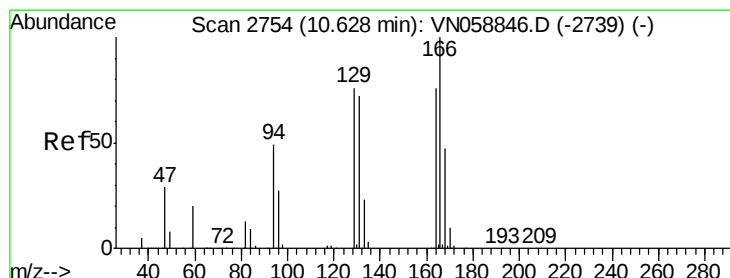
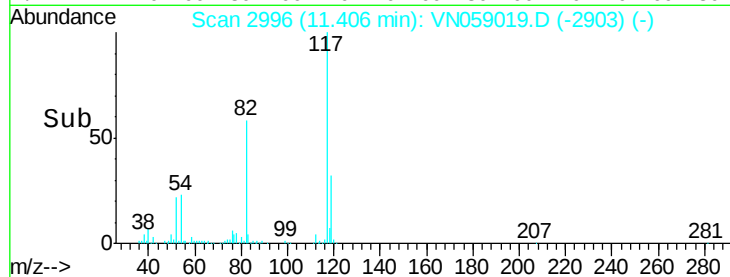
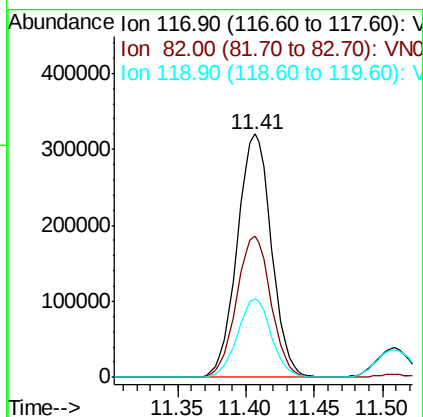
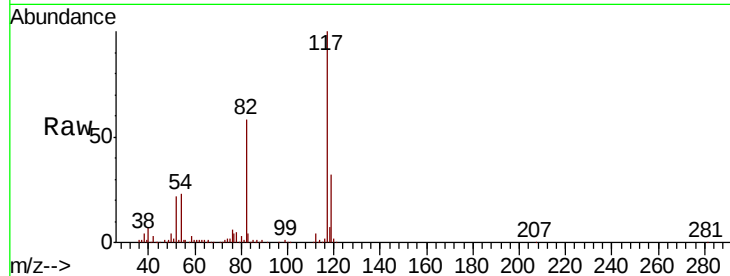




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

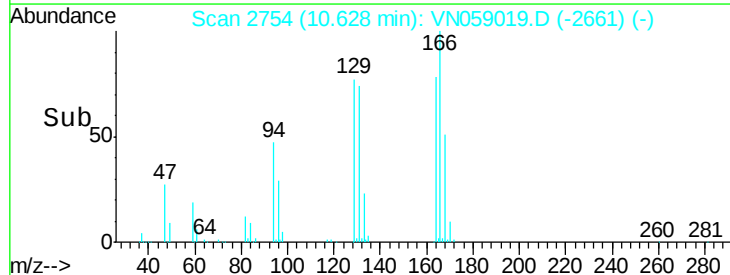
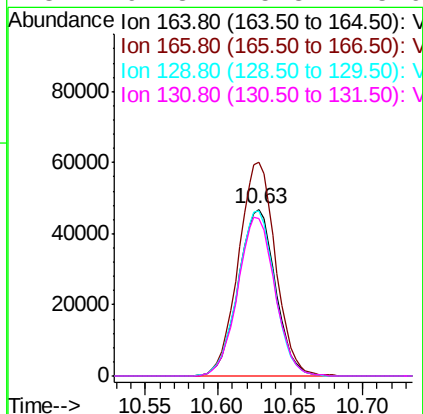
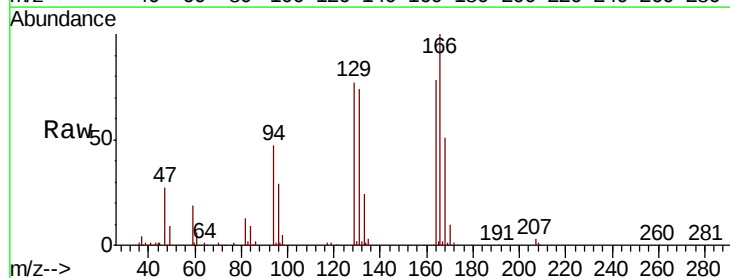
Instrument :
MSVOA_N
ClientSampled :

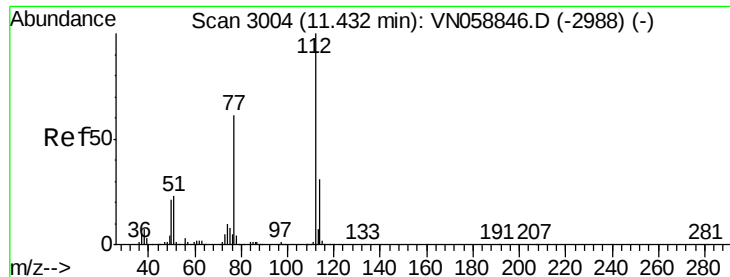
Tot Ion:117 Resp: 557656
Ion Ratio Lower Upper
117 100
82 58.0 46.6 69.8
119 32.3 25.6 38.4



#64
Tetrachloroethene
Concen: 21.377 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion:164 Resp: 83485
Ion Ratio Lower Upper
164 100
166 128.2 104.8 157.2
129 98.7 79.3 118.9
131 94.3 75.8 113.6

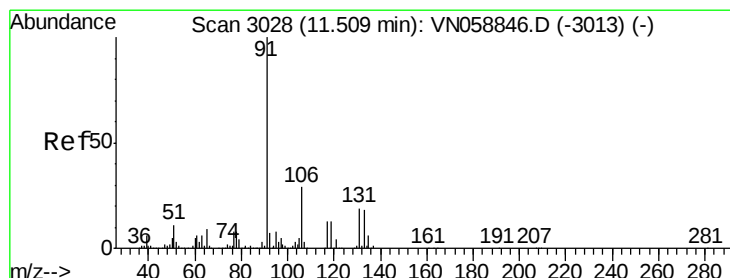
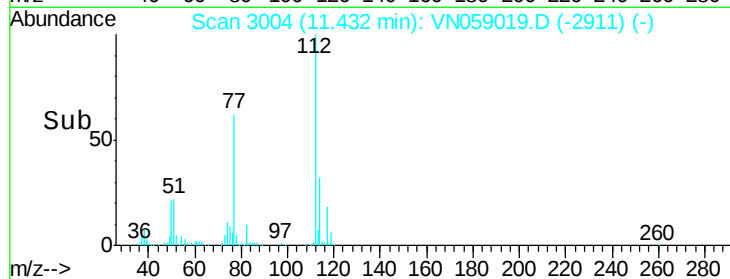
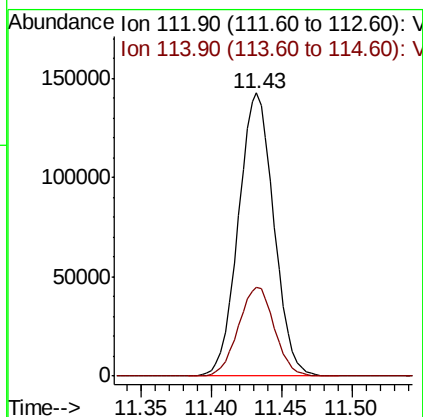
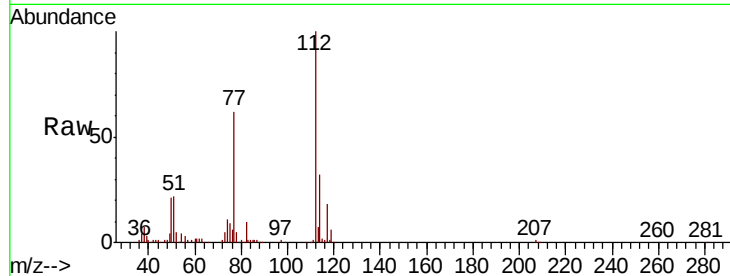




#65
Chlorobenzene
Concen: 22.035 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

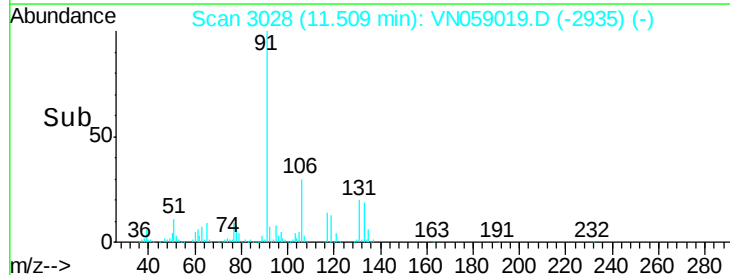
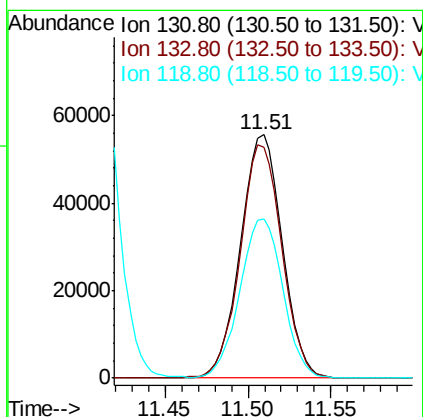
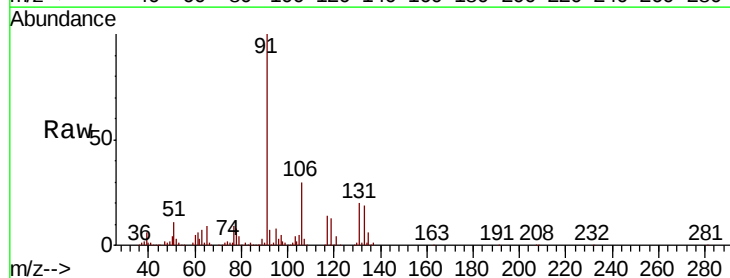
Instrument :
MSVOA_N
ClientSampleId :

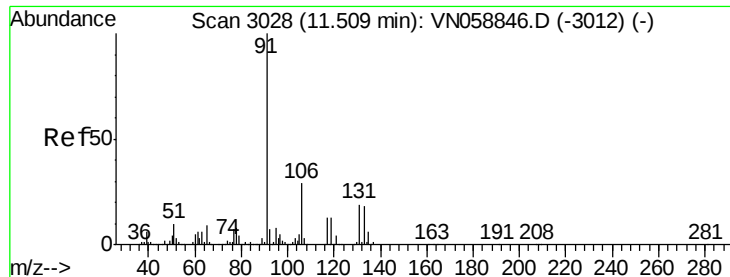
Tot Ion:112 Resp: 250165
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.752 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion:131 Resp: 97472
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 67.7 33.6 100.8





#67

Ethyl Benzene

Concen: 22.722 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

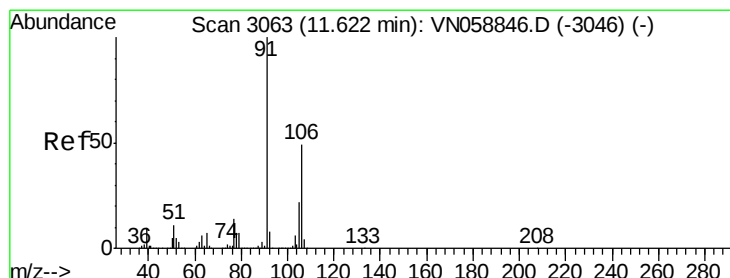
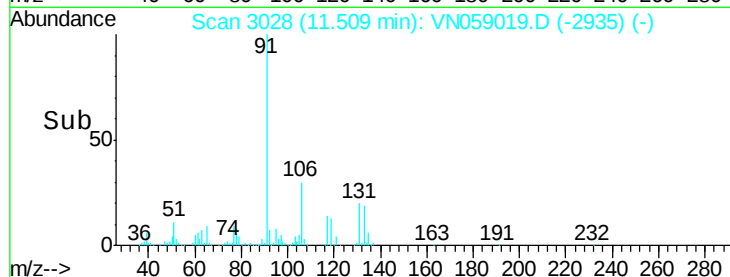
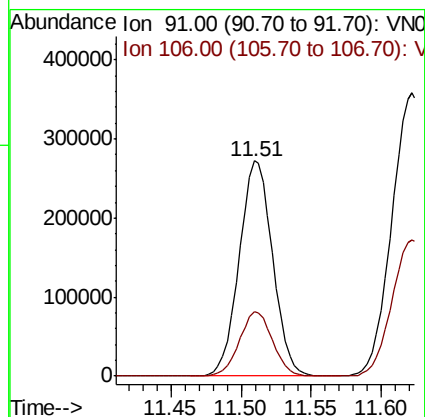
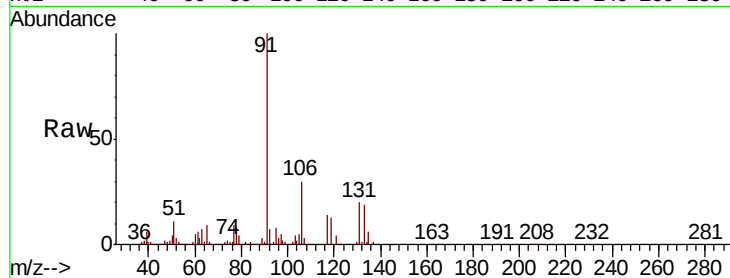
ClientSampled :

Tot Ion: 91 Resp: 452528

Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.0



#68

m/p-Xylenes

Concen: 45.372 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059019.D

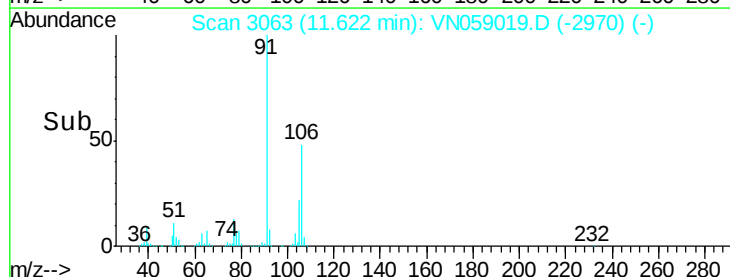
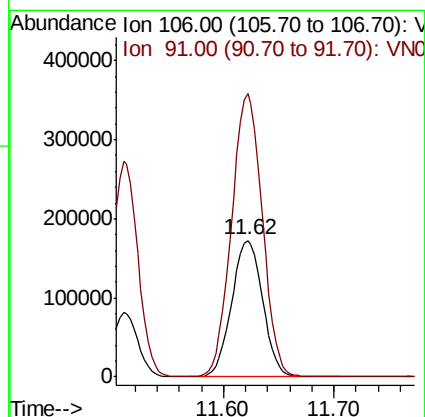
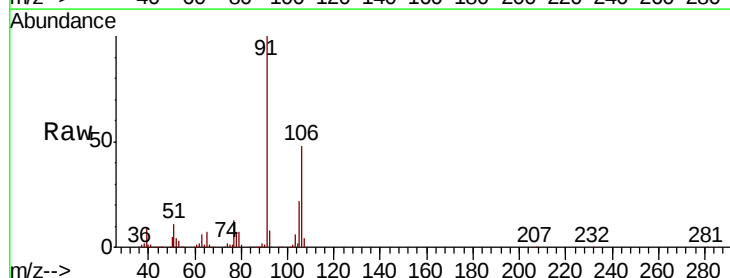
Acq: 30 Oct 2019 10:54

Tgt Ion: 106 Resp: 335108

Ion Ratio Lower Upper

106 100

91 206.0 166.6 249.8

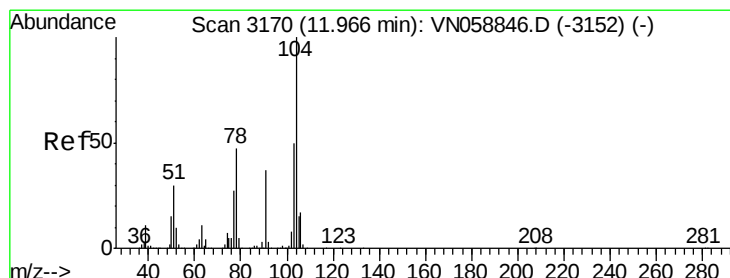
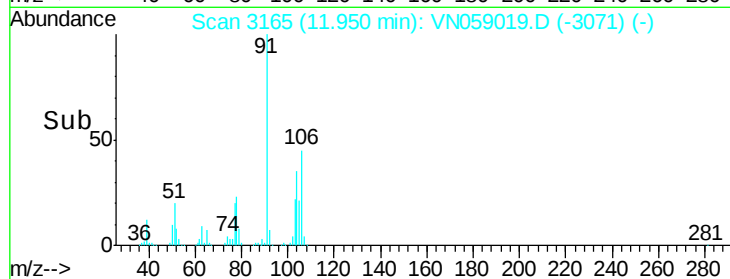
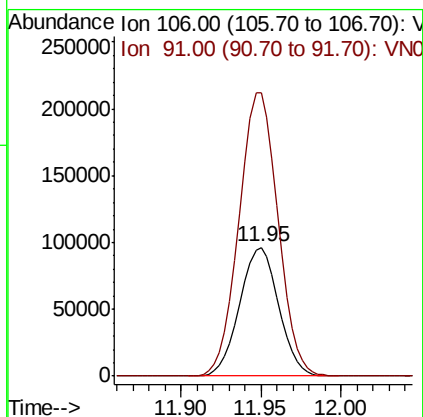
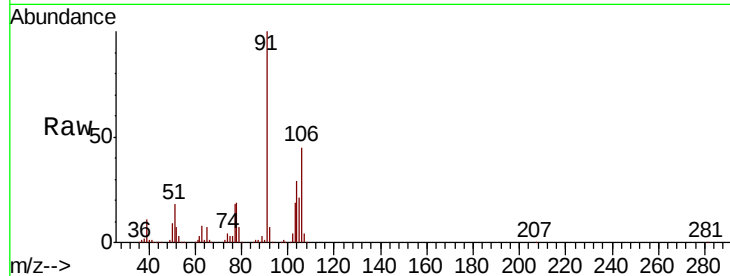




#69
o-Xylene
Concen: 22.691 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

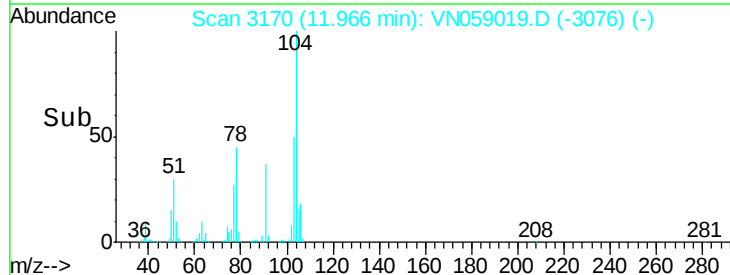
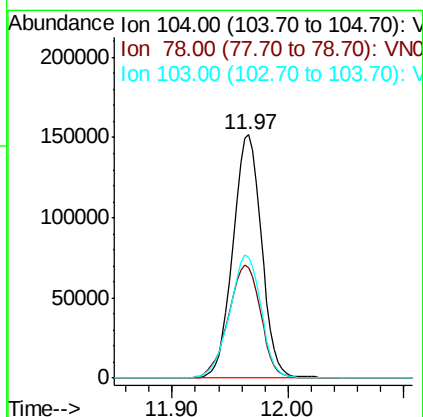
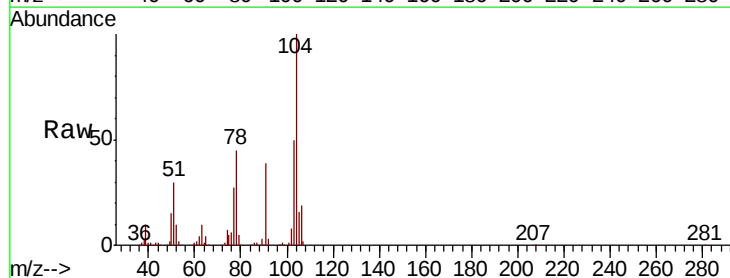
Instrument :
MSVOA_N
ClientSampled :

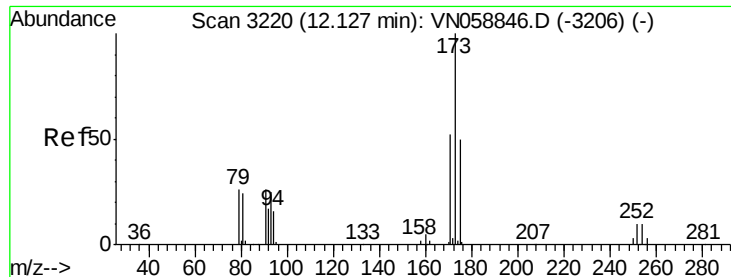
Tot Ion:106 Resp: 159837
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.4



#70
Styrene
Concen: 20.996 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion:104 Resp: 259610
Ion Ratio Lower Upper
104 100
78 52.3 42.8 64.2
103 55.5 44.3 66.5





#71

Bromoform

Concen: 22.438 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

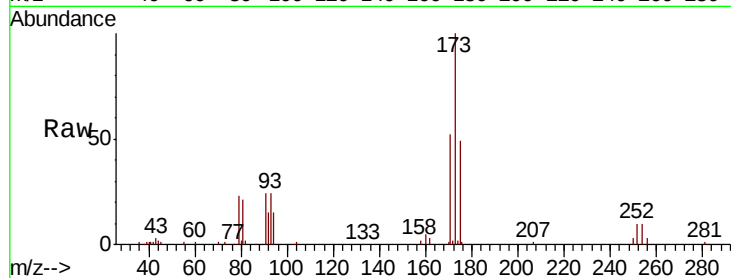
Tot Ion:173 Resp: 74543

Ion Ratio Lower Upper

173 100

175 48.9 24.7 74.1

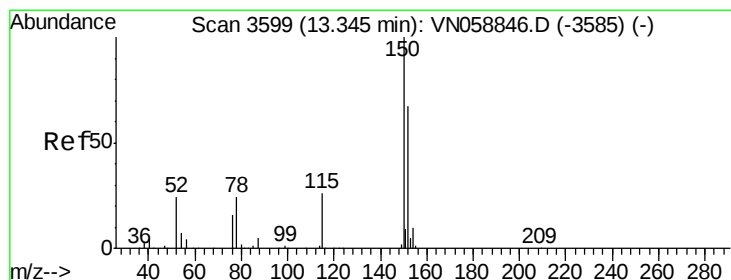
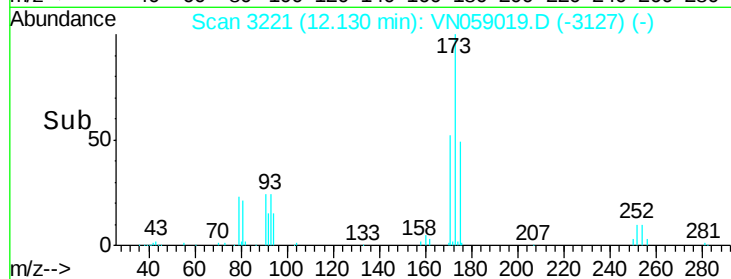
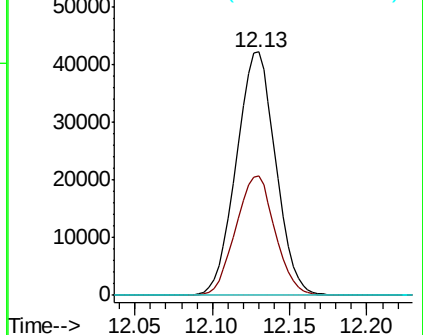
254 0.0 0.0 0.0



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: VN059019.D

Acq: 30 Oct 2019 10:54

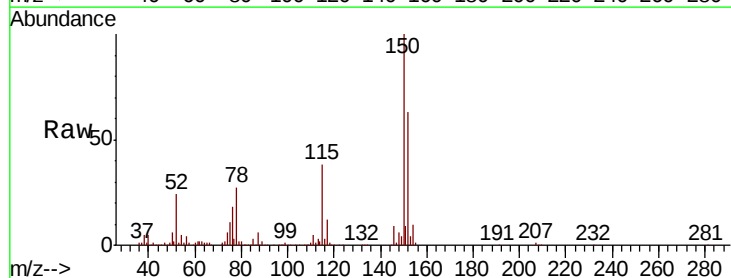
Tgt Ion:152 Resp: 260763

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

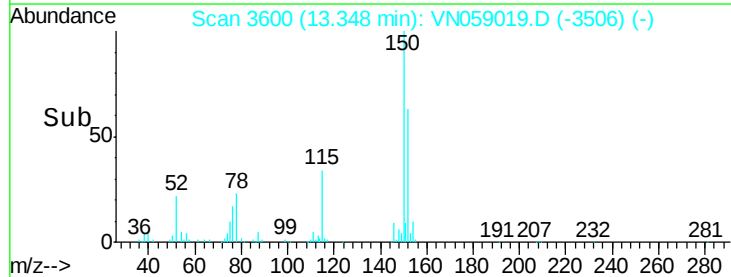
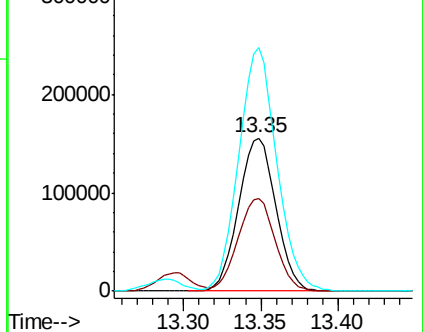
150 162.5 0.0 344.4



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: 22.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

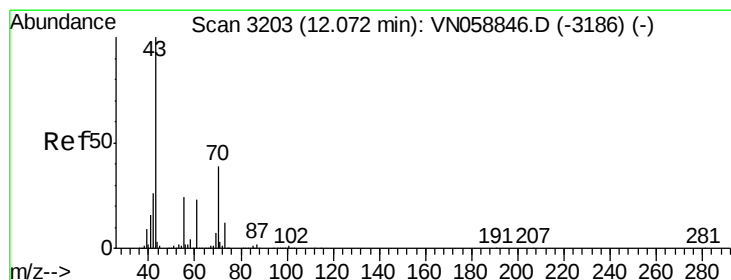
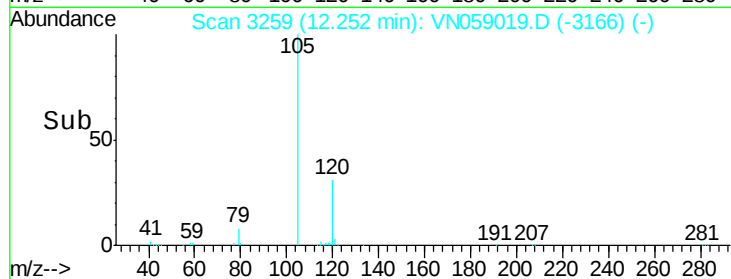
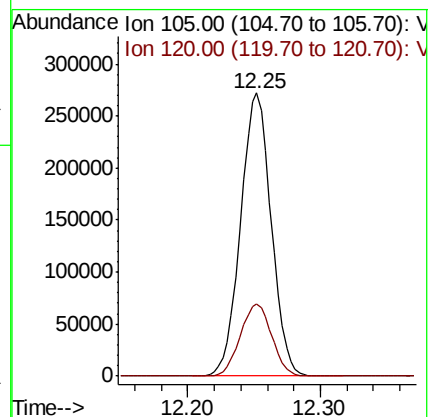
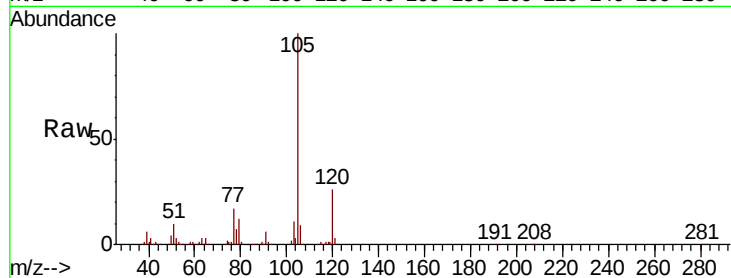
ClientSampleId :

Tot Ion:105 Resp: 435165

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4



#74

N-ethyl acetate

Concen: 22.445 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion: 43 Resp: 193914

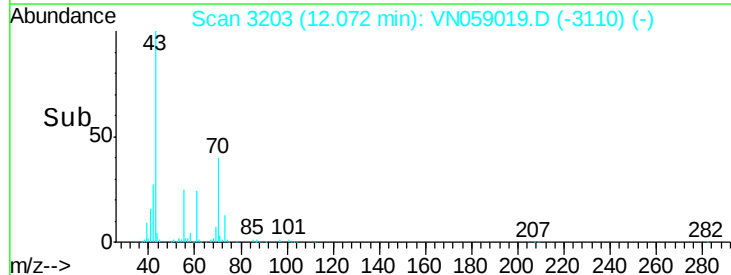
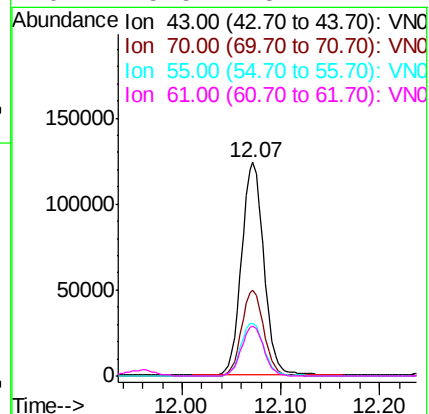
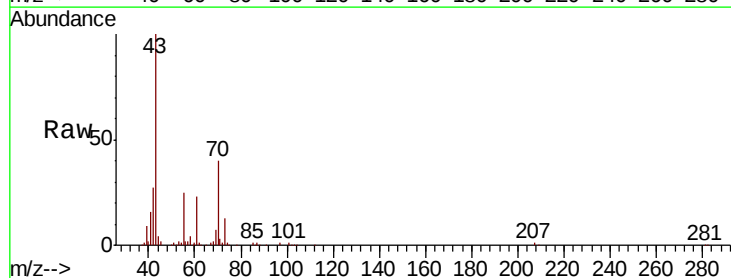
Ion Ratio Lower Upper

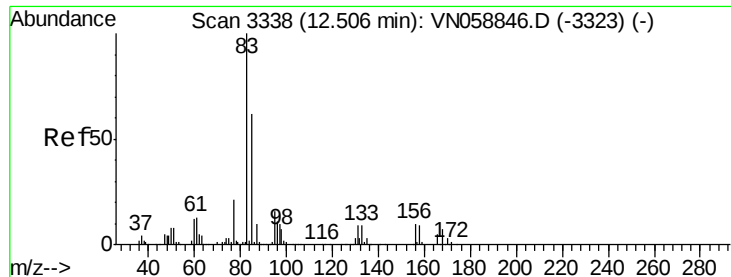
43 100

70 40.5 30.9 46.3

55 25.6 19.7 29.5

61 23.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.106 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

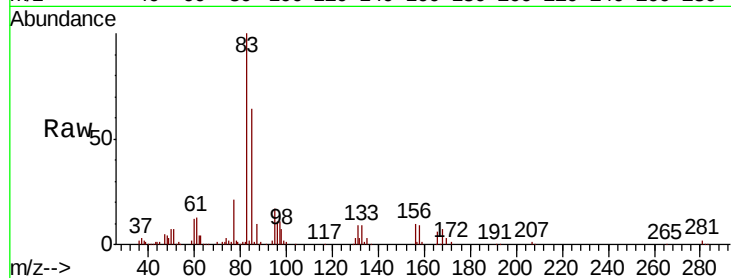
Tot Ion: 83 Resp: 154827

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.1	31.7	95.1

83 100

131 9.4 4.7 14.1

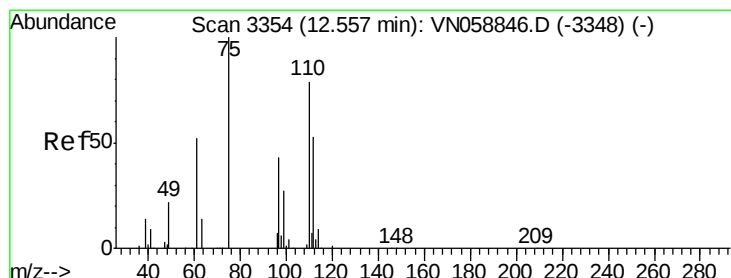
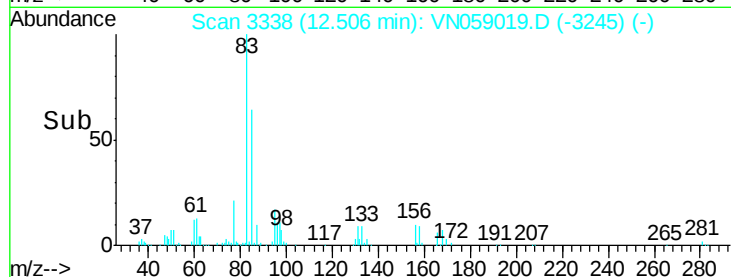
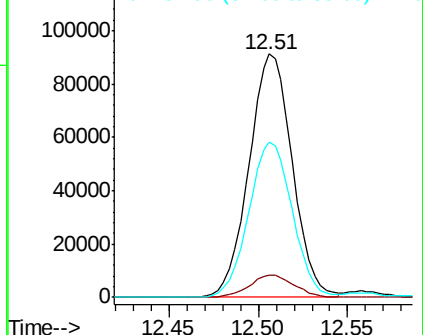
85 64.1 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN059019.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059019.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059019.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 33.938 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059019.D

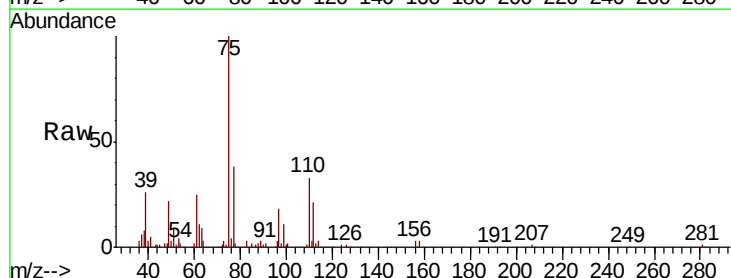
Acq: 30 Oct 2019 10:54

Tgt Ion: 75 Resp: 205106

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

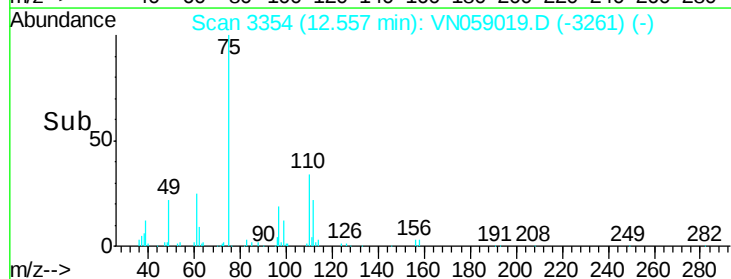
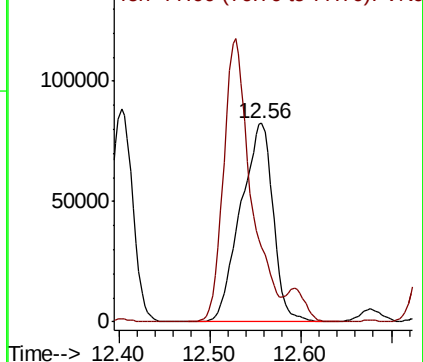
75 100

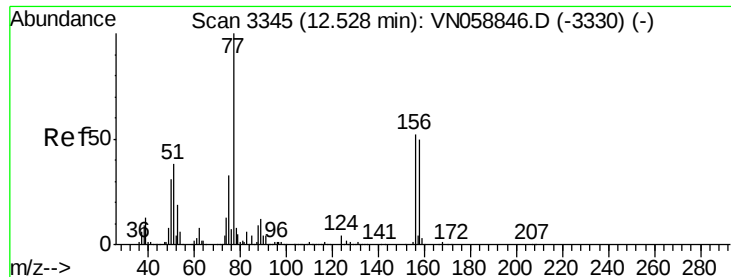
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059019.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN059019.D (-3261) (-)





#77

Bromobenzene

Concen: 22.366 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

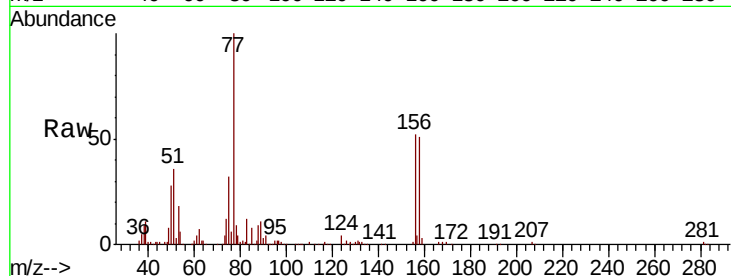
Tot Ion:156 Resp: 105058

Ion Ratio Lower Upper

156 100

77 236.3 118.0 354.0

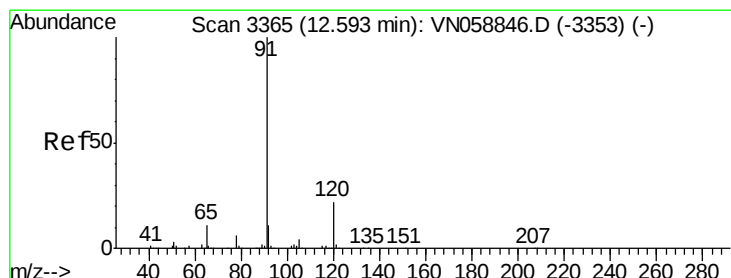
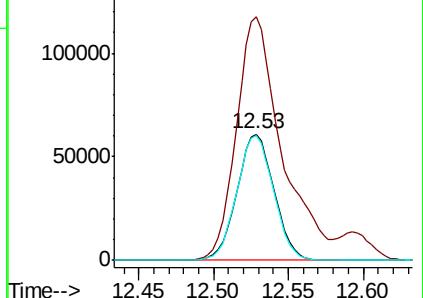
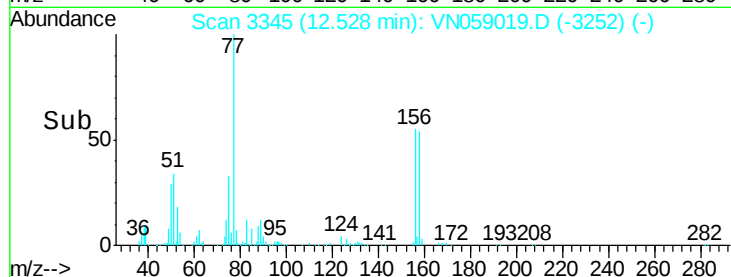
158 97.6 48.3 144.8



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: 22.837 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059019.D

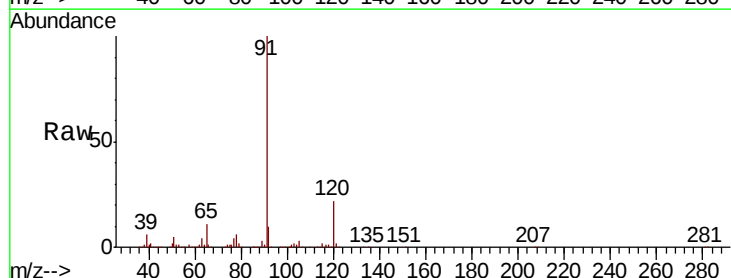
Acq: 30 Oct 2019 10:54

Tgt Ion: 91 Resp: 514438

Ion Ratio Lower Upper

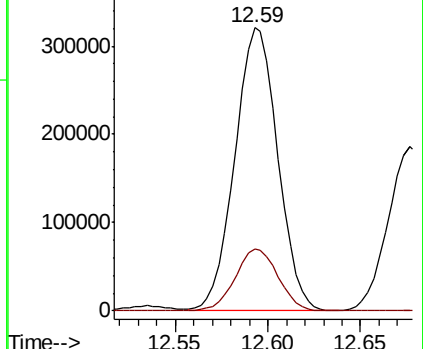
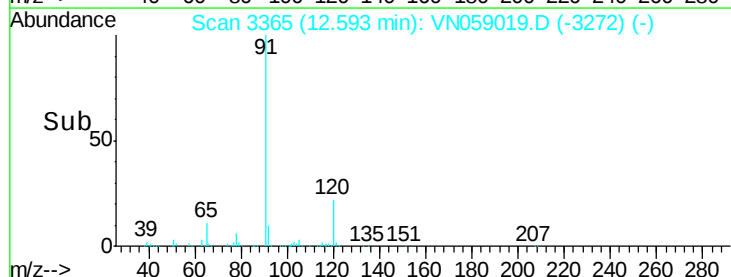
91 100

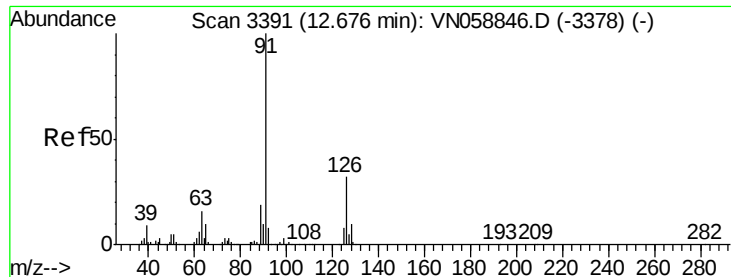
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

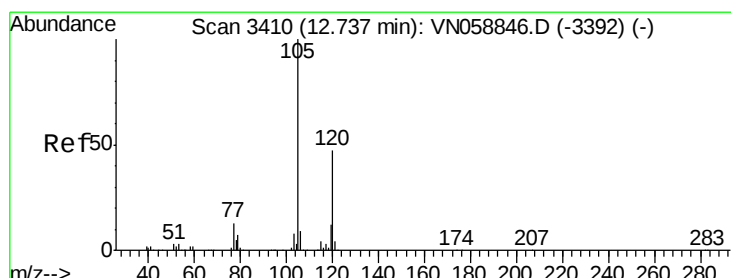
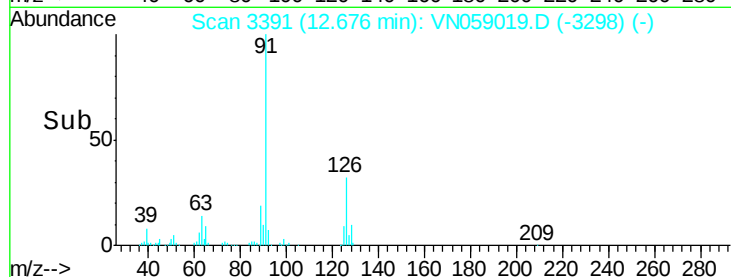
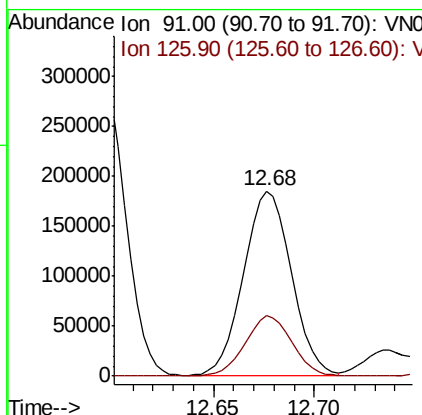
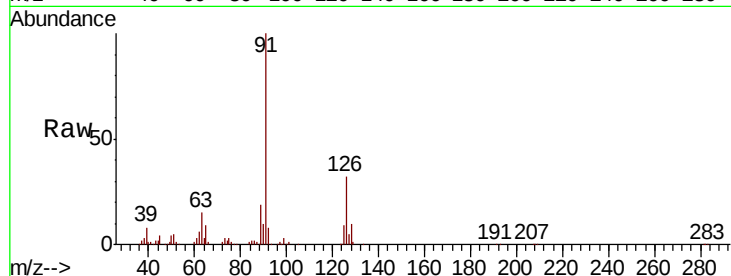




#79
 2-Chlorotoluene
 Concen: 22.403 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

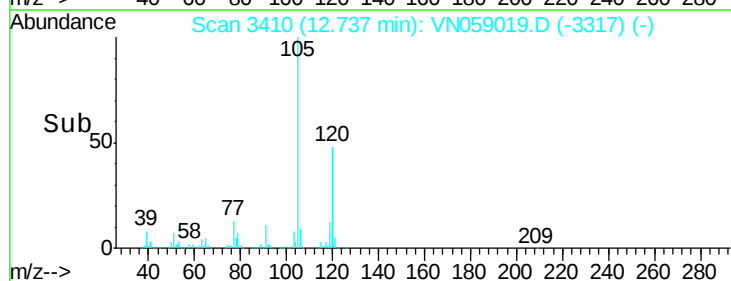
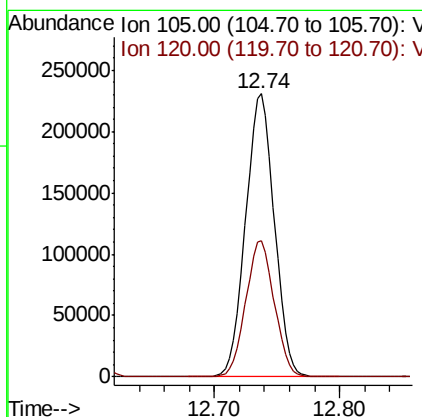
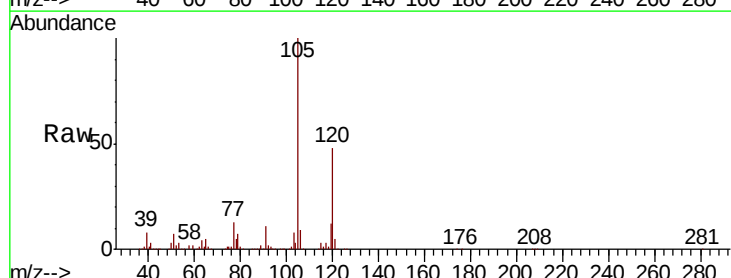
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 308872
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.989 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion: 105 Resp: 368089
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 22.394 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

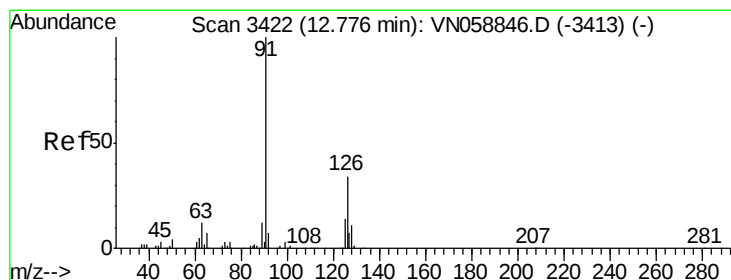
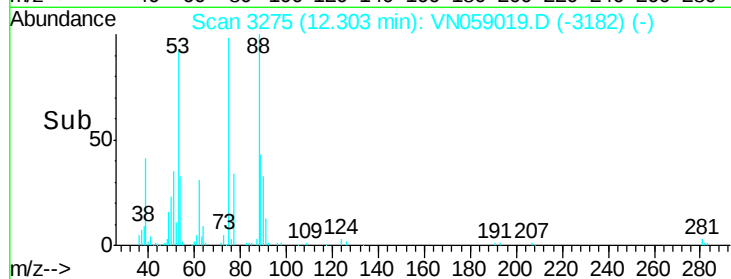
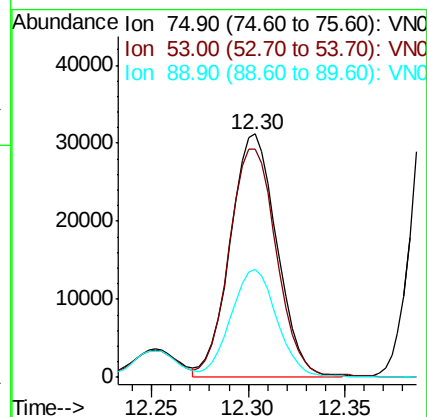
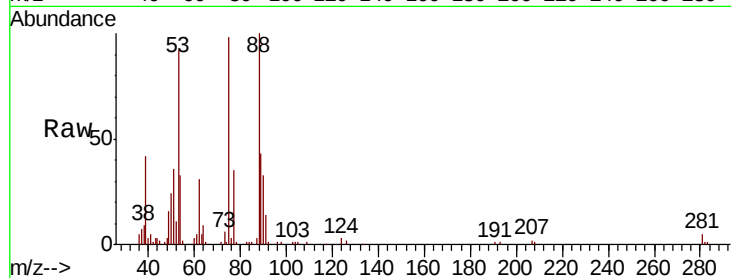
Tot Ion: 75 Resp: 51951

Ion Ratio Lower Upper

75 100

53 96.6 78.6 118.0

89 44.2 35.4 53.0



#82

4-Chlorotoluene

Concen: 22.081 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059019.D

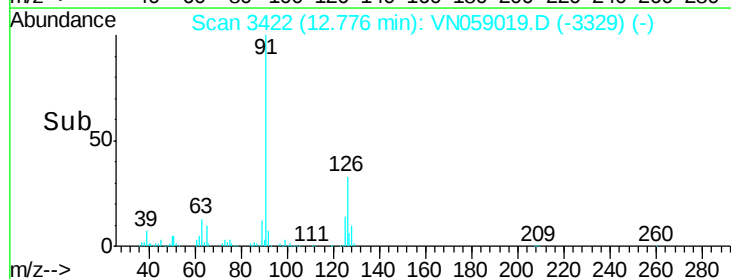
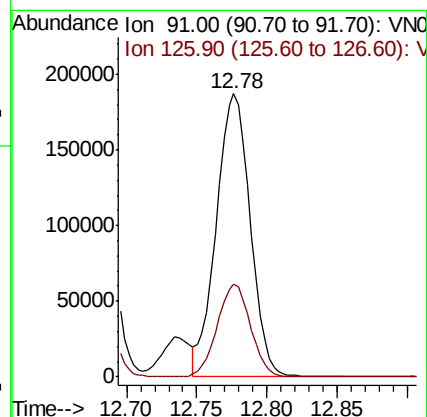
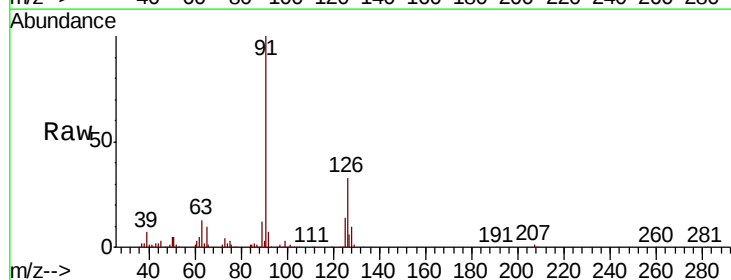
Acq: 30 Oct 2019 10:54

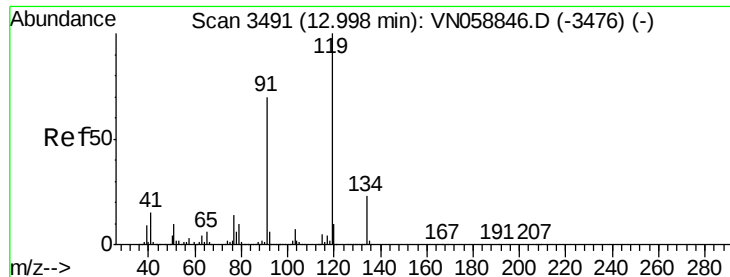
Tgt Ion: 91 Resp: 311098

Ion Ratio Lower Upper

91 100

126 32.3 16.0 47.9

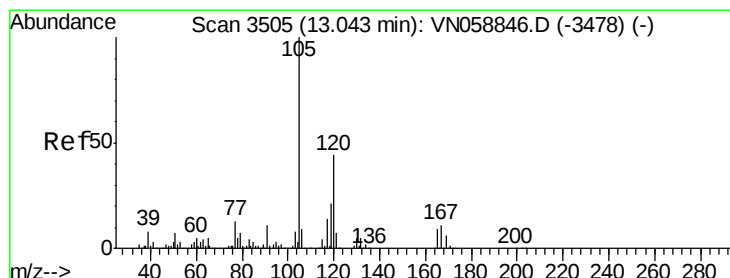
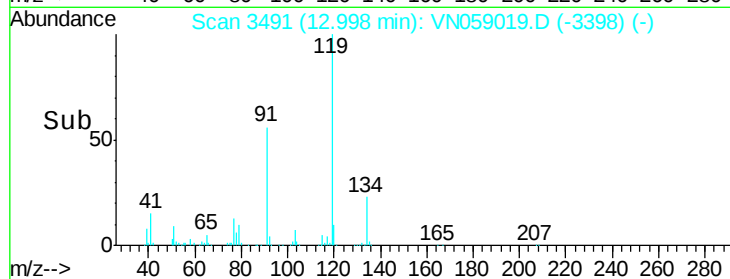
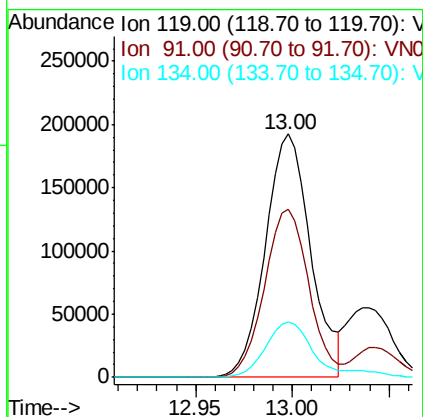
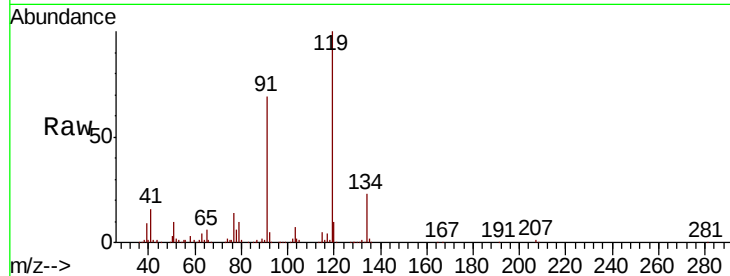




#83
 tert-Butylbenzene
 Concen: 22.885 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

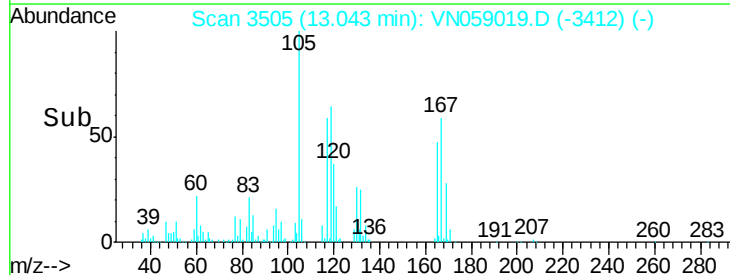
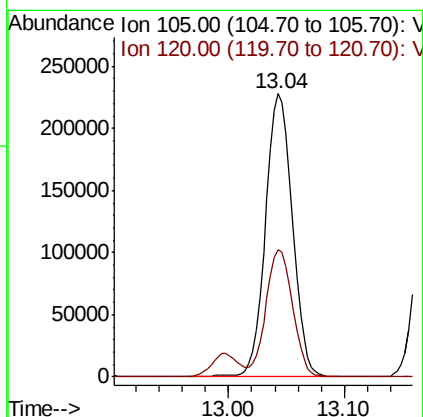
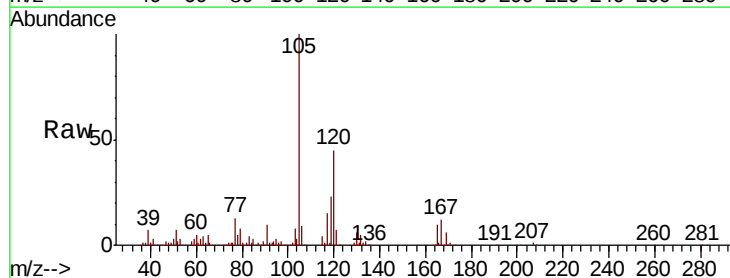
Instrument :
 MSVOA_N
 ClientSampleId :

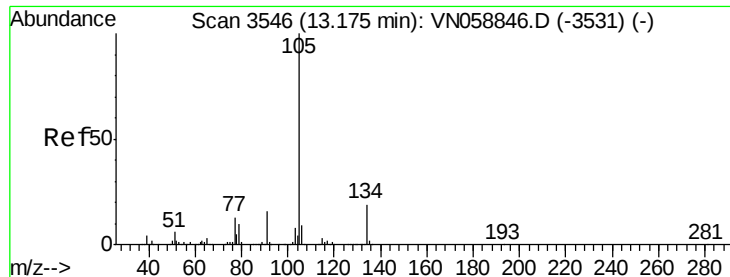
Tot Ion:119 Resp: 313335
 Ion Ratio Lower Upper
 119 100
 91 68.1 34.1 102.3
 134 25.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.231 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion:105 Resp: 366871
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8





#85

sec-Butylbenzene

Concen: 23.010 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

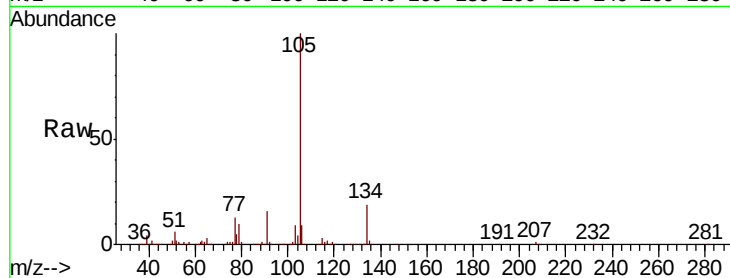
ClientSampled :

Tot Ion:105 Resp: 420039

Ion Ratio Lower Upper

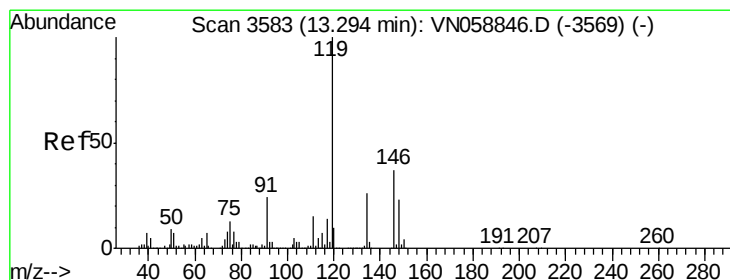
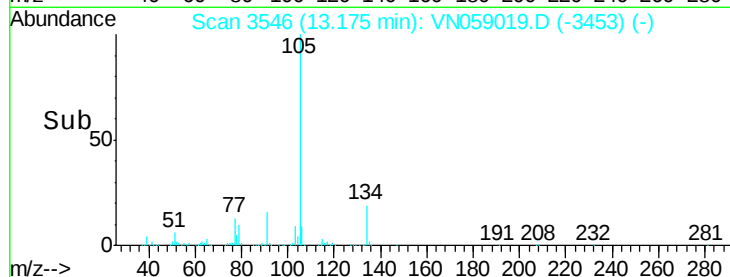
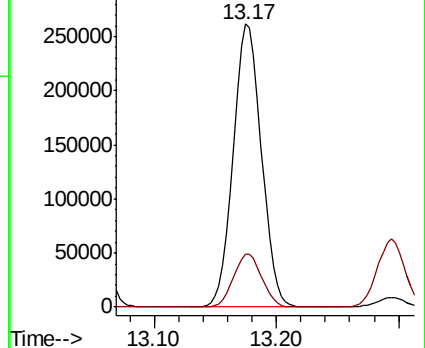
105 100

134 19.0 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: 22.836 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

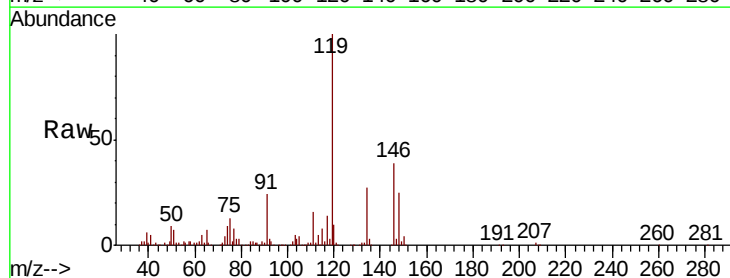
Tgt Ion:119 Resp: 367820

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.4

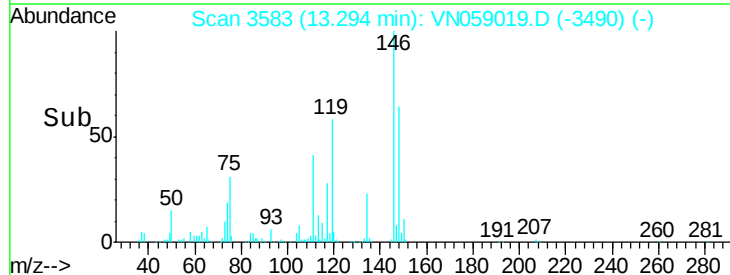
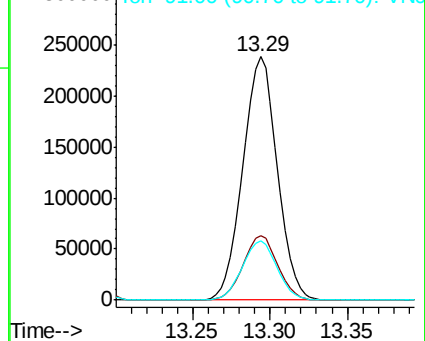
91 24.5 12.2 36.4

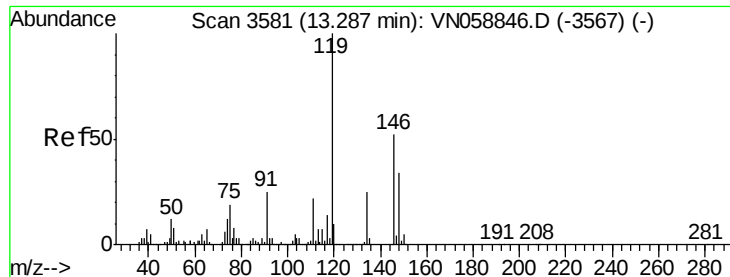


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.655 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

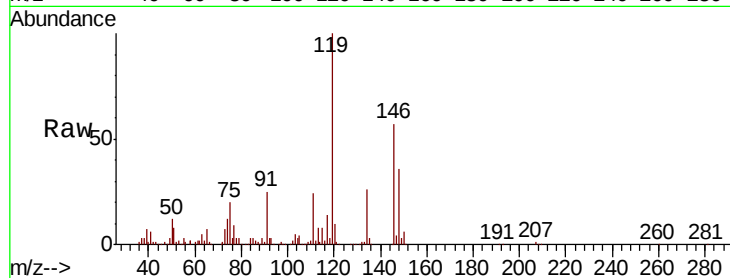
Tot Ion:146 Resp: 181876

Ion Ratio Lower Upper

146 100

111 41.7 21.0 63.0

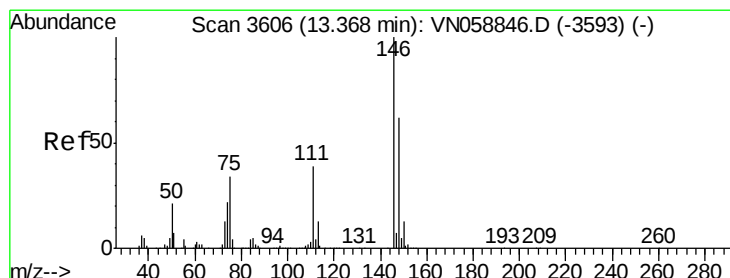
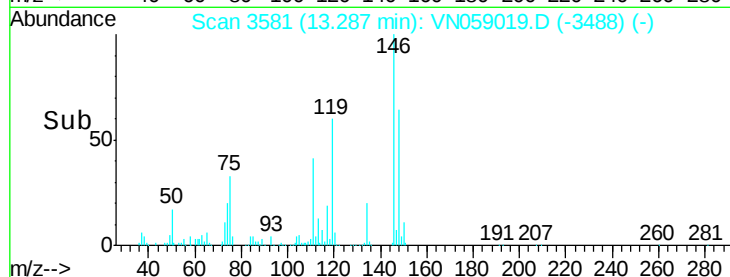
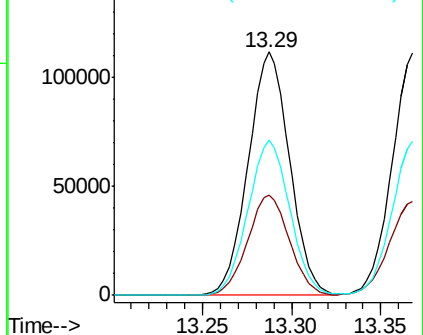
148 64.4 32.1 96.3



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: 21.460 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

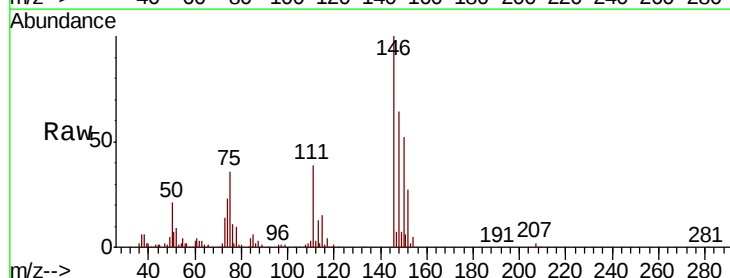
Tgt Ion:146 Resp: 180458

Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.6

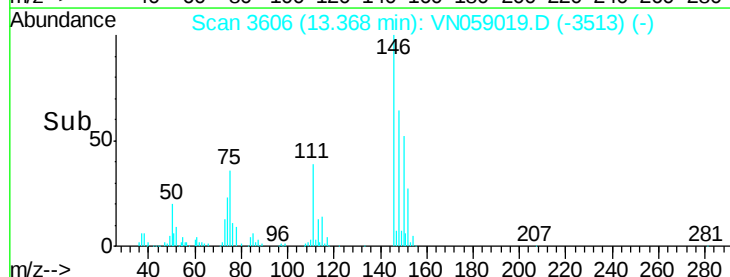
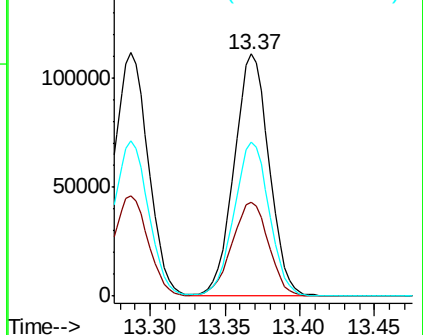
148 64.3 31.6 94.7

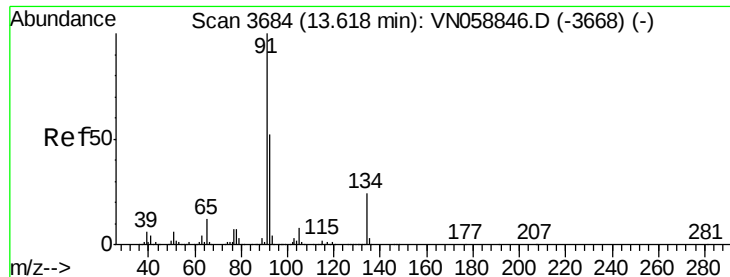


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

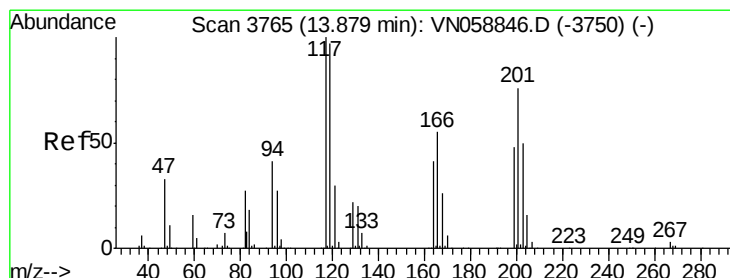
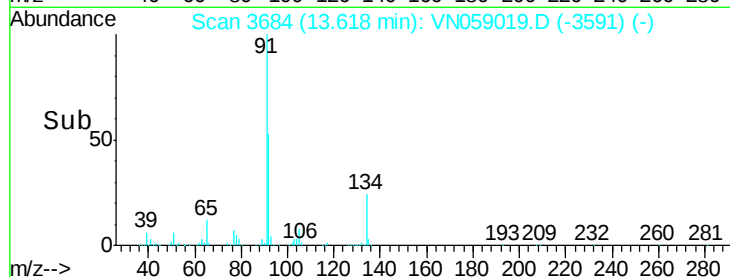
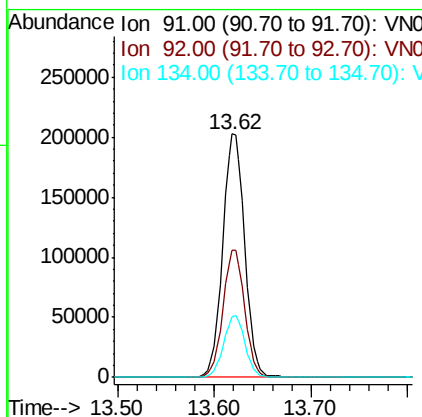
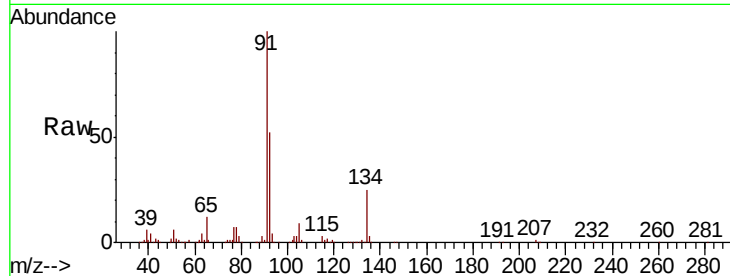




#89
n-Butylbenzene
Concen: 21.537 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

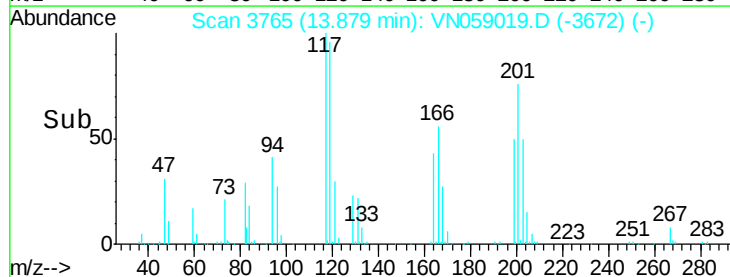
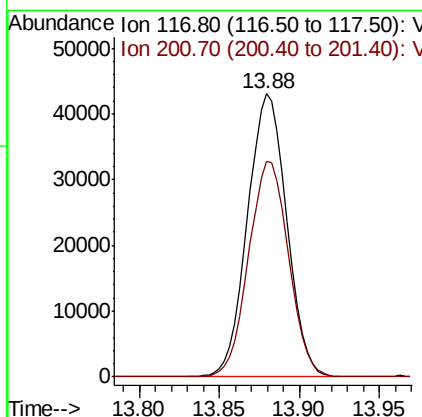
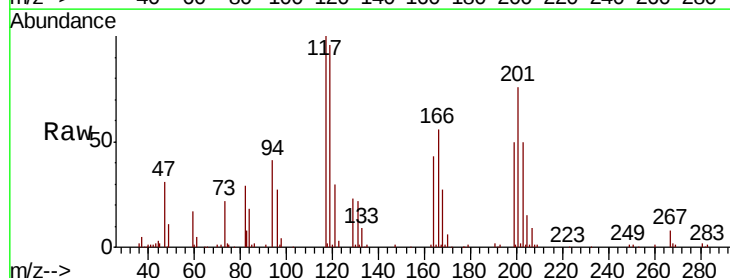
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 318667
Ion Ratio Lower Upper
91 100
92 51.5 25.7 77.1
134 24.7 11.9 35.5



#90
Hexachloroethane
Concen: 22.137 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 117 Resp: 72251
Ion Ratio Lower Upper
117 100
201 77.7 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 22.393 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

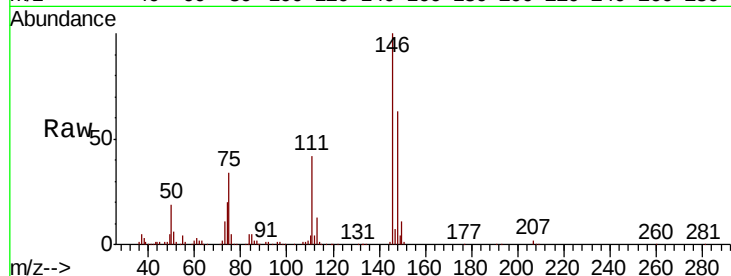
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 184860

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.8
148	63.8	31.9	95.9

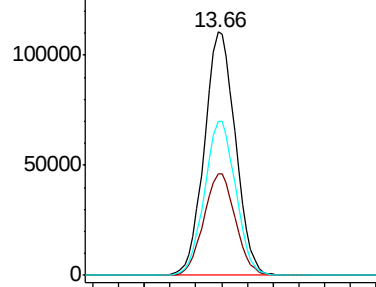


Abundance

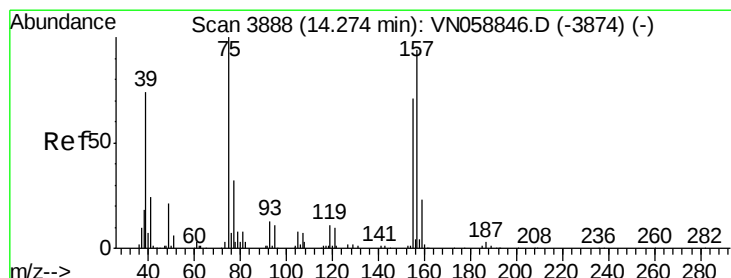
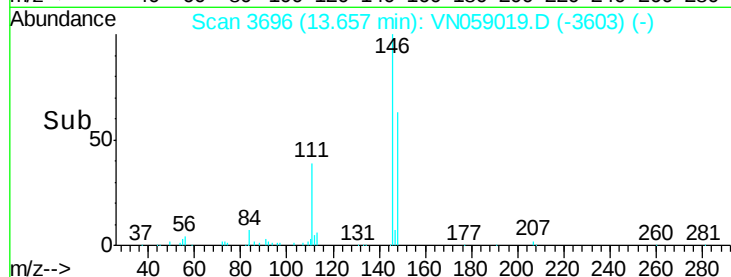
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.834 ug/l

RT: 14.27 min Scan# 3888

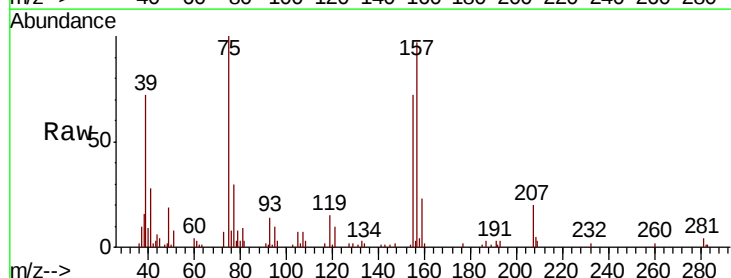
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion: 75 Resp: 31575

Ion	Ratio	Lower	Upper
75	100		
155	74.6	35.6	106.8
157	97.2	47.4	142.2

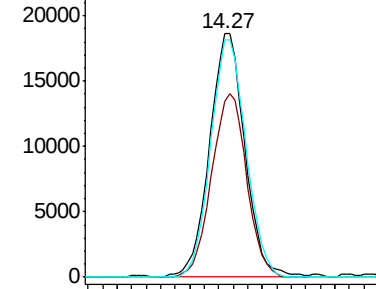


Abundance

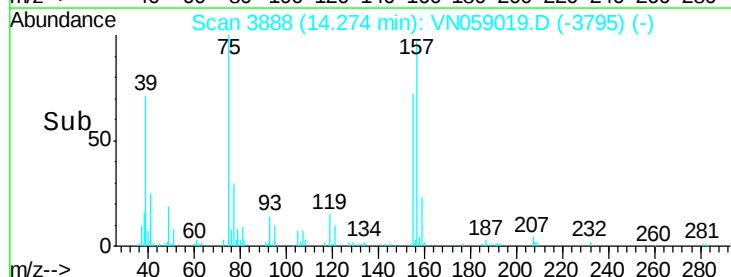
Ion 74.90 (74.60 to 75.60): V

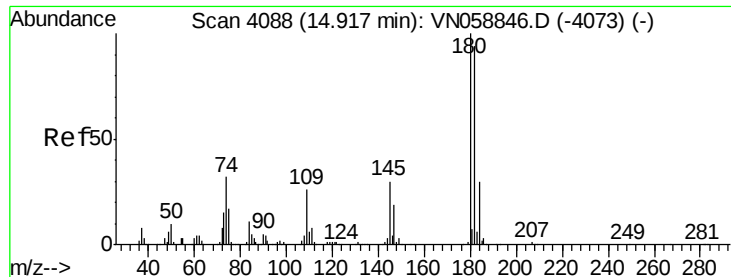
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

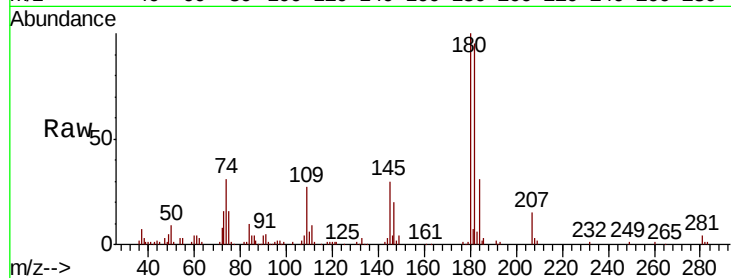




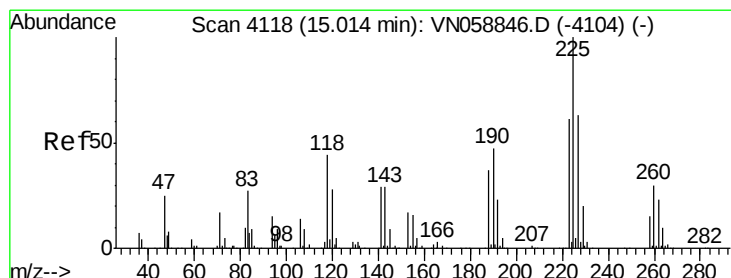
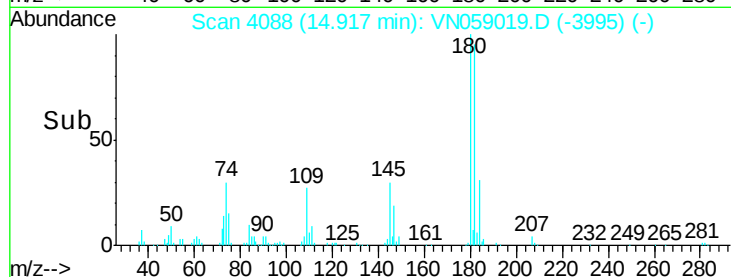
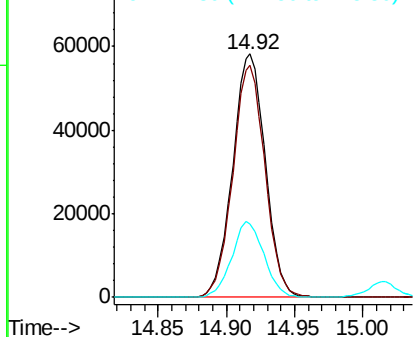
#93
 1,2,4-Trichlorobenzene
 Concen: 20.179 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	142.0
145	30.8	15.3	45.8

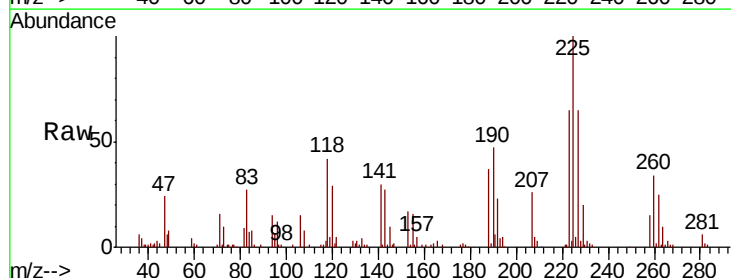


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

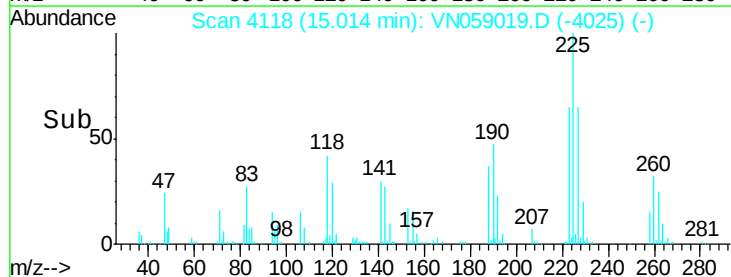
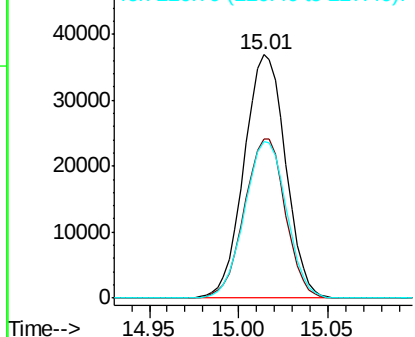


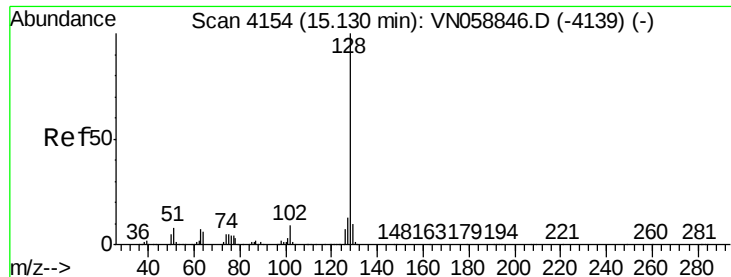
#94
 Hexachlorobutadiene
 Concen: 22.438 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.9	92.5
227	65.1	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.804 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

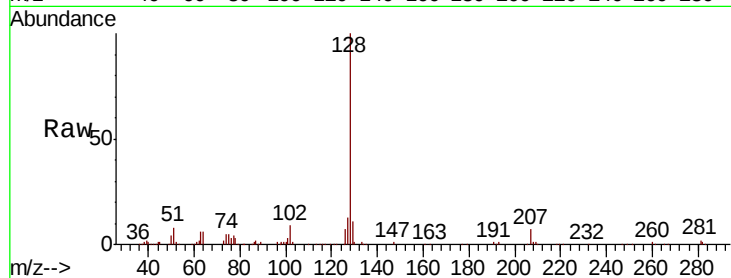
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 259163

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.4	12.6

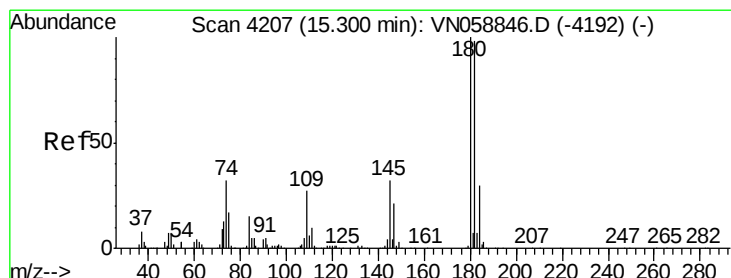
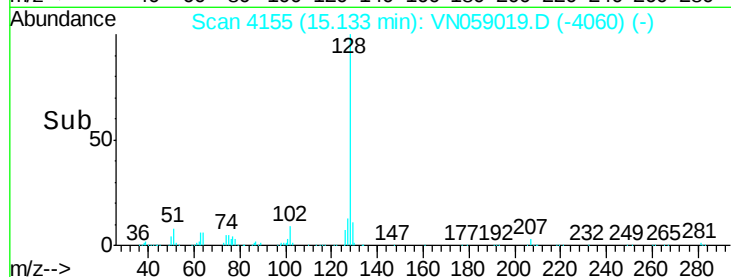
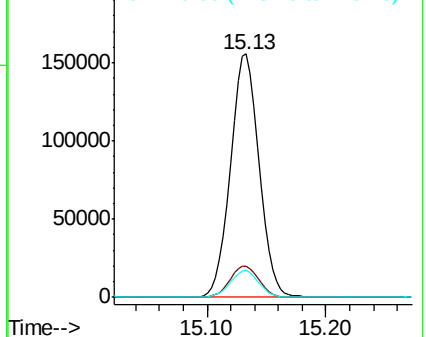


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.765 ug/l

RT: 15.30 min Scan# 4207

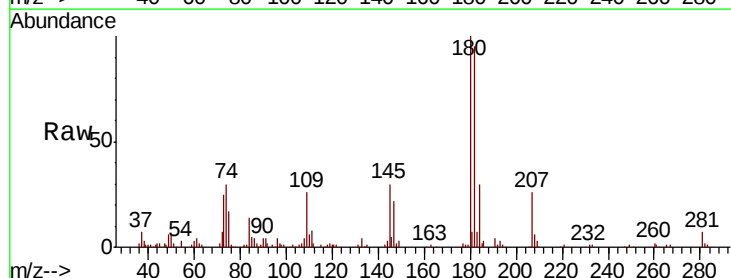
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:180 Resp: 97614

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.9	143.7
145	31.7	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

