

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058922.D
 Acq On : 23 Oct 2019 12:28
 Operator : JC/SP
 Sample : VN1024WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Quant Time: Oct 24 01:10:45 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	341291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	251599	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	178330	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	682800	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	244379	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	79752	18.742	ug/l	100
3) Chloromethane	2.04	50	96929	18.392	ug/l	99
4) Vinyl Chloride	2.17	62	99655	19.044	ug/l	99
5) Bromomethane	2.55	94	62873	19.187	ug/l	95
6) Chloroethane	2.68	64	63557	18.940	ug/l	97
7) Trichlorofluoromethane	3.00	101	126998	19.615	ug/l	98
8) Diethyl Ether	3.39	74	42849	19.151	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68636	19.122	ug/l	97
10) Methyl Iodide	3.93	142	88659	18.780	ug/l	99
11) Tert butyl alcohol	4.76	59	74337	89.492	ug/l	100
12) 1,1-Dichloroethene	3.72	96	63767	18.953	ug/l	94
13) Acrolein	3.58	56	41622	72.926	ug/l	98
14) Allyl chloride	4.30	41	126942	18.646	ug/l	97
15) Acrylonitrile	4.96	53	201888	96.624	ug/l	100
16) Acetone	3.79	43	218201	88.217	ug/l	97
17) Carbon Disulfide	4.03	76	194680	17.963	ug/l	100
18) Methyl Acetate	4.30	43	105142	18.697	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	229618	19.491	ug/l	99
20) Methylene Chloride	4.53	84	79822	18.900	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	70323	18.926	ug/l	94
22) Diisopropyl ether	5.93	45	265223	19.917	ug/l	100
23) Vinyl Acetate	5.87	43	1092505	102.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	149189	19.321	ug/l	100
25) 2-Butanone	6.81	43	292242	91.018	ug/l	100
26) 2,2-Dichloropropane	6.80	77	126699	18.970	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	80709	19.015	ug/l	99
28) Bromochloromethane	7.18	49	48097	18.703	ug/l	98
29) Tetrahydrofuran	7.19	42	186706	95.056	ug/l	99
30) Chloroform	7.35	83	148414	19.161	ug/l	97
31) Cyclohexane	7.64	56	129184	17.959	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	126387	19.359	ug/l	99
36) 1,1-Dichloropropene	7.78	75	105991	18.827	ug/l	99
37) Ethyl Acetate	6.91	43	116844	19.048	ug/l	98
38) Carbon Tetrachloride	7.76	117	109744	18.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112356	17.774	ug/l	97
40) Benzene	8.02	78	318794	19.284	ug/l	97
41) Methacrylonitrile	7.19	41	172463	63.125	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	123994	19.471	ug/l	97
43) Isopropyl Acetate	8.15	43	185025	18.807	ug/l #	92
44) Trichloroethene	8.82	130	77755	19.308	ug/l	94
45) 1,2-Dichloropropane	9.11	63	88346	19.489	ug/l	100
46) Dibromomethane	9.20	93	54585	19.047	ug/l	99
47) Bromodichloromethane	9.39	83	113692	19.248	ug/l	99
48) Methyl methacrylate	9.19	41	84130	18.848	ug/l	99
49) 1,4-Dioxane	9.19	88	27324	372.911	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	591037	102.855	ug/l	99
52) Toluene	10.15	92	193019	19.689	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	123779	18.930	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	134334	19.230	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	78587	19.459	ug/l	99
56) Ethyl methacrylate	10.43	69	113514	18.128	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138342	19.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	250316	91.064	ug/l	100
59) 2-Hexanone	10.75	43	434670	97.891	ug/l	98
60) Dibromochloromethane	10.90	129	83356	19.176	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79711	19.286	ug/l	99
64) Tetrachloroethene	10.63	164	68596	19.023	ug/l	98
65) Chlorobenzene	11.43	112	203284	19.393	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	77771	19.661	ug/l	99
67) Ethyl Benzene	11.51	91	360174	19.587	ug/l	96
68) m/p-Xylenes	11.62	106	266176	39.032	ug/l	99
69) o-Xylene	11.95	106	125675	19.323	ug/l	100
70) Styrene	11.97	104	204864	18.193	ug/l	99
71) Bromoform	12.13	173	57110	18.618	ug/l #	99
73) Isopropylbenzene	12.25	105	349118	20.094	ug/l	100
74) N-amyl acetate	12.07	43	150130	19.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120109	19.661	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	158248	28.721	ug/l #	100
77) Bromobenzene	12.53	156	84088	19.636	ug/l	98
78) n-propylbenzene	12.59	91	408910	19.911	ug/l	100
79) 2-Chlorotoluene	12.68	91	248723	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	295831	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39790	18.813	ug/l	98
82) 4-Chlorotoluene	12.78	91	250397	19.494	ug/l	99
83) tert-Butylbenzene	13.00	119	247516	19.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294219	20.435	ug/l	99
85) sec-Butylbenzene	13.18	105	335865	20.181	ug/l	100
86) p-Isopropyltoluene	13.29	119	292207	19.899	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149227	19.488	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	144993	18.913	ug/l	96
89) n-Butylbenzene	13.62	91	257168	19.064	ug/l	99
90) Hexachloroethane	13.88	117	57692	19.388	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	147371	19.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25478	18.439	ug/l	94

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

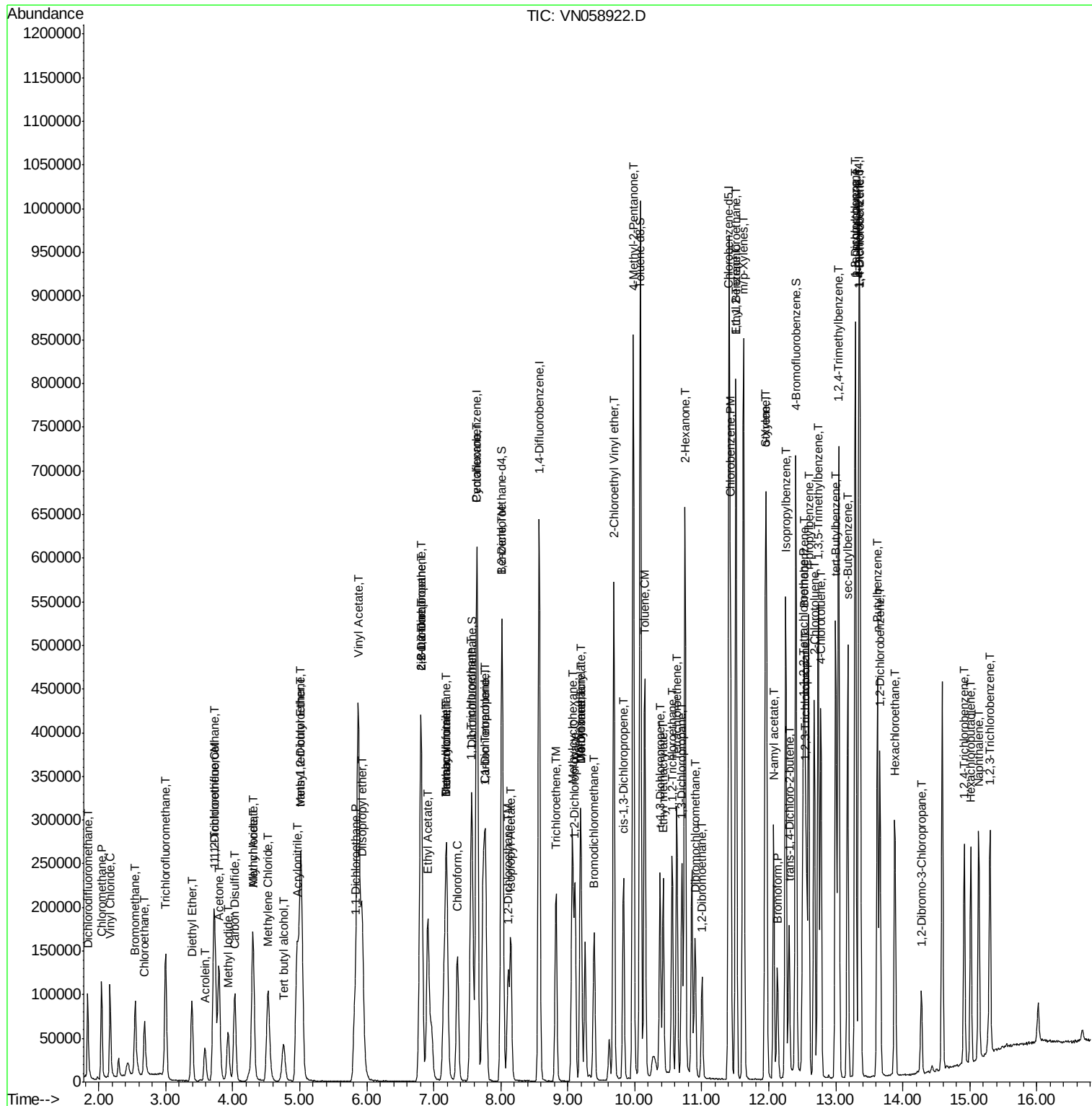
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	75366	17.626	ug/l	98
94) Hexachlorobutadiene	15.01	225	45679	18.726	ug/l	100
95) Naphthalene	15.13	128	208562	16.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76012	18.085	ug/l	100

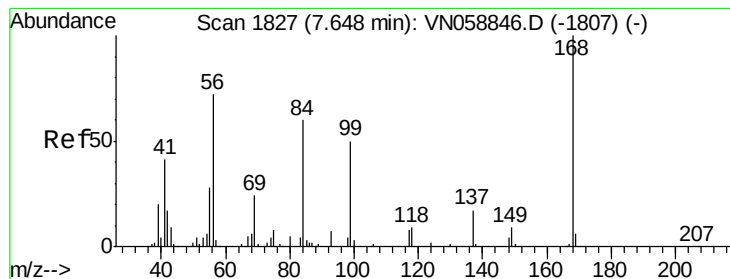
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102419\
Data File : VN058922.D
Acq On : 23 Oct 2019 12:28
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

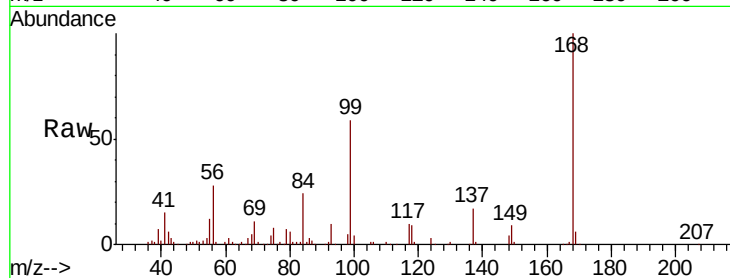
VN1024WBS01

Tot Ion:168 Resp: 341291

Ion Ratio Lower Upper

168 100

99 59.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

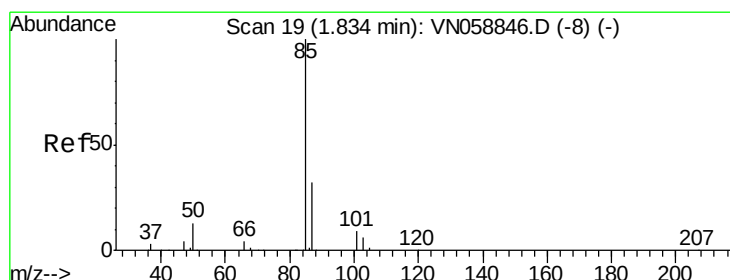
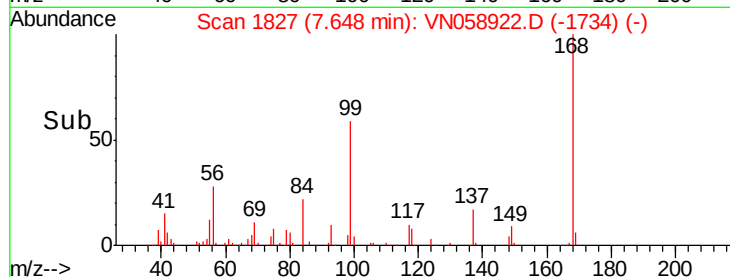
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.742 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058922.D

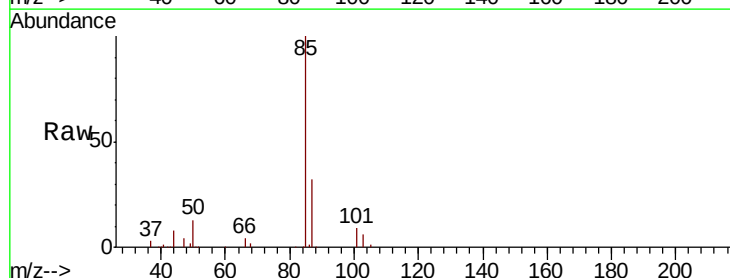
Acq: 23 Oct 2019 12:28

Tgt Ion: 85 Resp: 79752

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

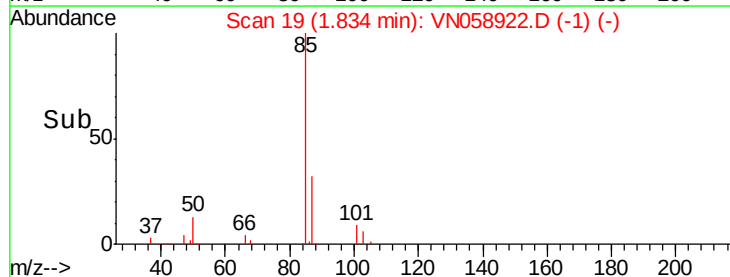
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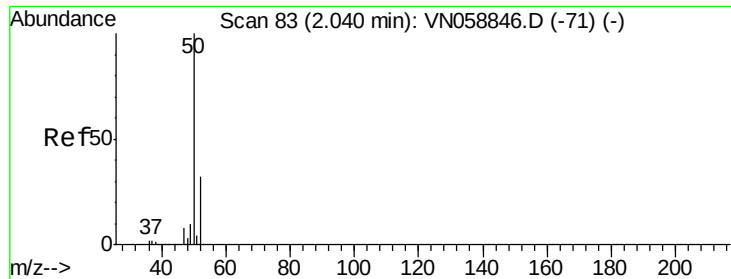
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.392 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

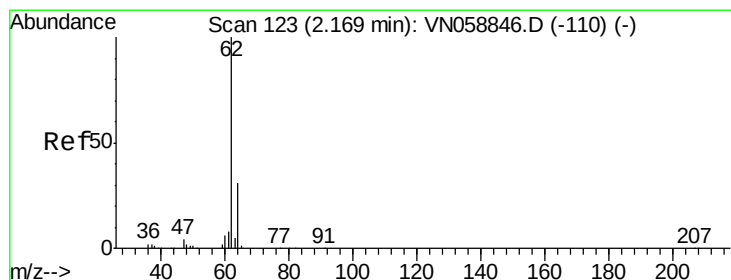
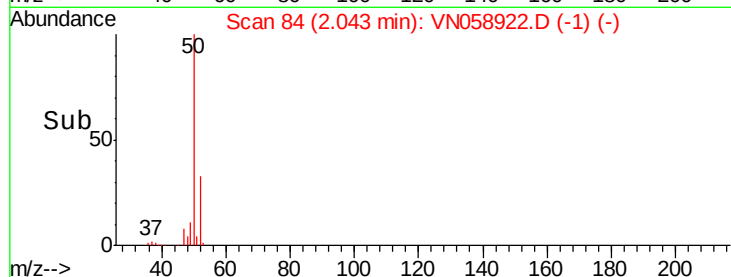
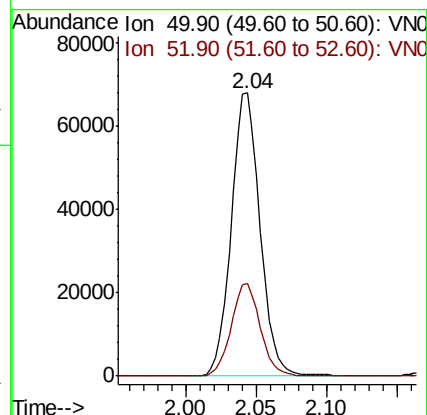
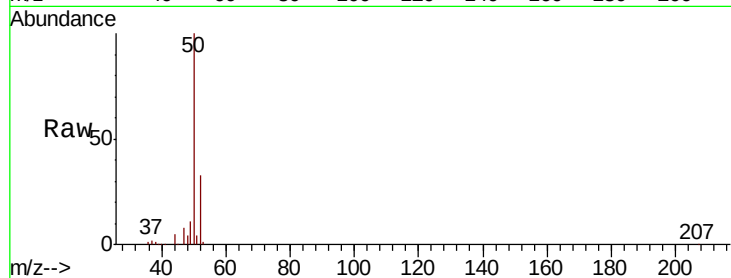
VN1024WBS01

Tot Ion: 50 Resp: 96929

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 19.044 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058922.D

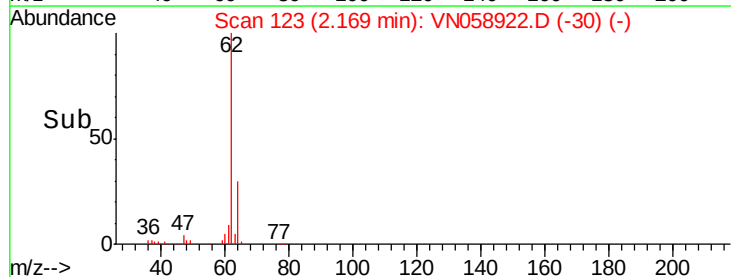
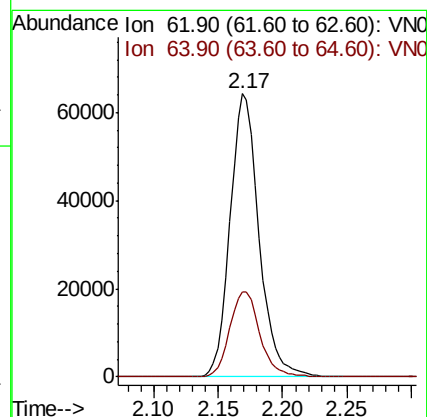
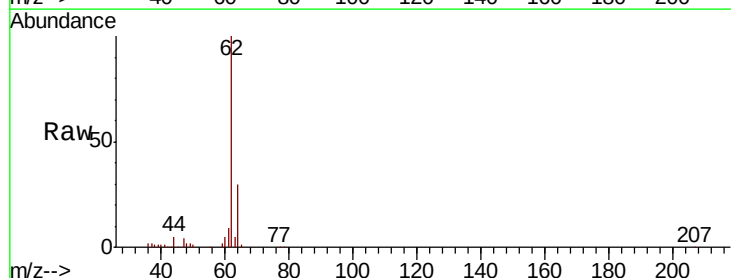
Acq: 23 Oct 2019 12:28

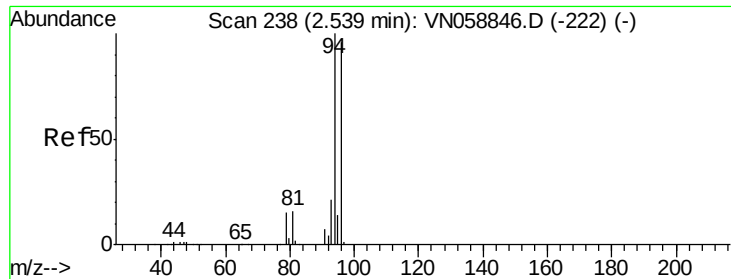
Tgt Ion: 62 Resp: 99655

Ion Ratio Lower Upper

62 100

64 30.1 24.6 36.8





#5

Bromomethane

Concen: 19.187 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

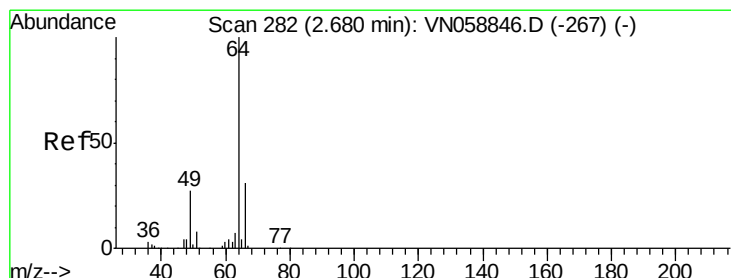
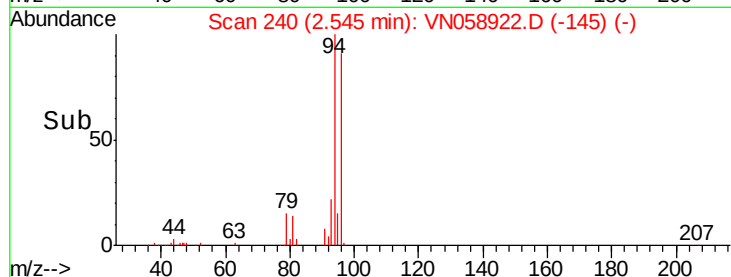
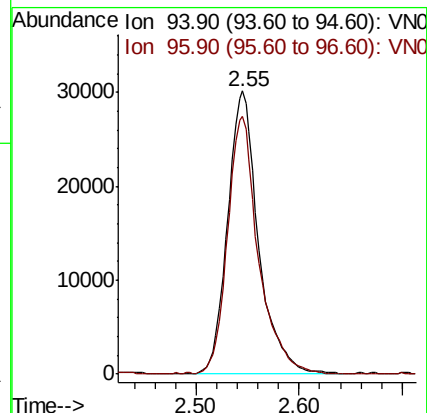
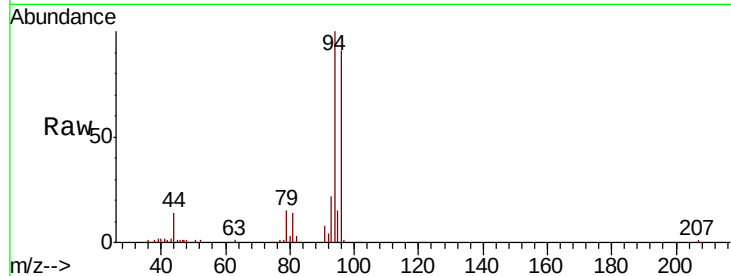
VN1024WBS01

Tot Ion: 94 Resp: 62873

Ion Ratio Lower Upper

94 100

96 91.2 77.0 115.6



#6

Chloroethane

Concen: 18.940 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058922.D

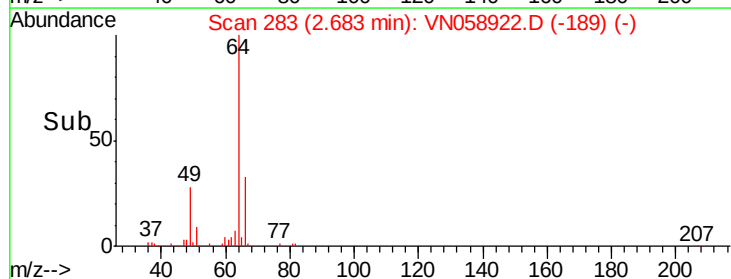
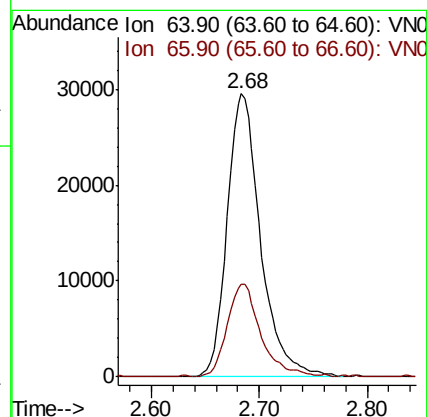
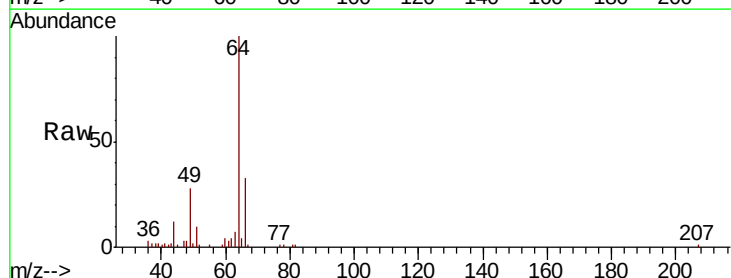
Acq: 23 Oct 2019 12:28

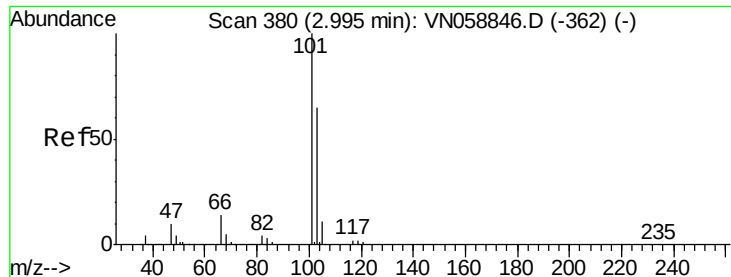
Tgt Ion: 64 Resp: 63557

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



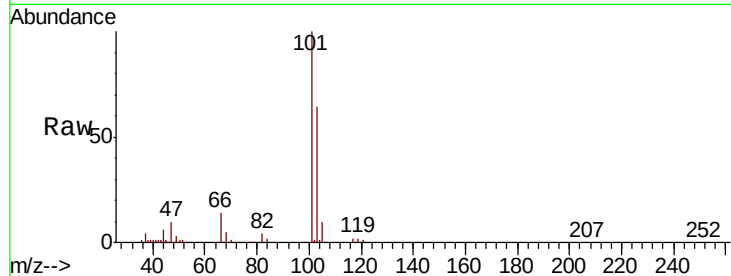


#7

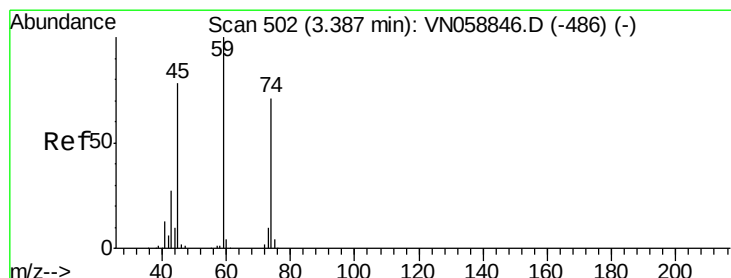
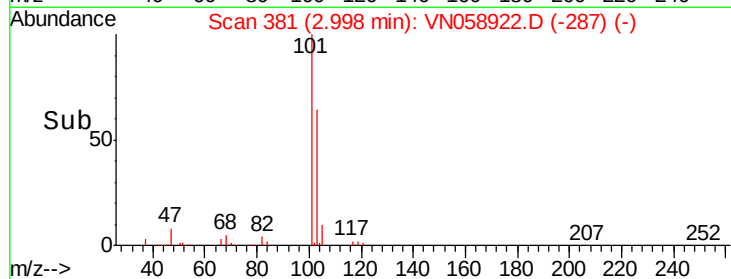
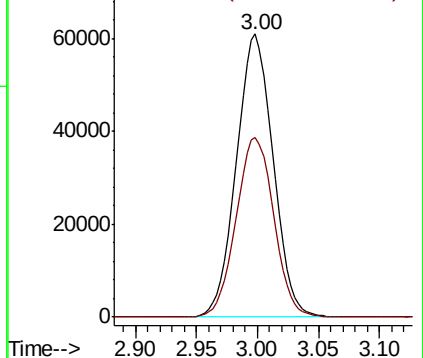
Trichlorofluoromethane
 Concen: 19.615 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion:101 Resp: 126998
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.2



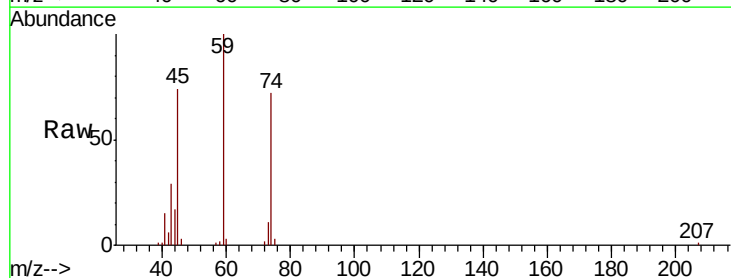
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



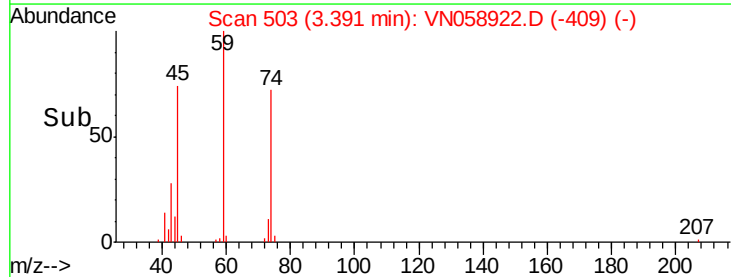
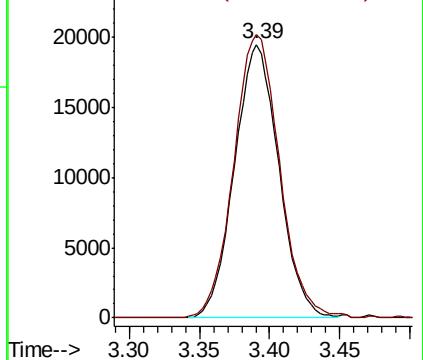
#8

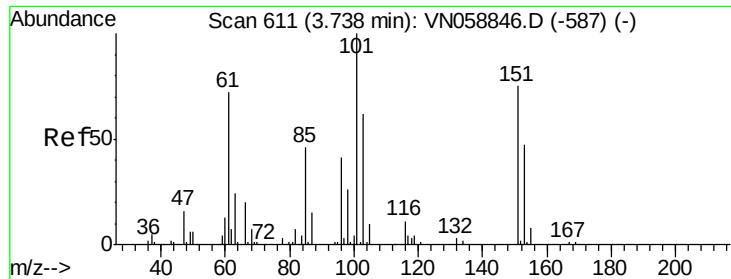
Diethyl Ether
 Concen: 19.151 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058922.D
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Tgt Ion: 74 Resp: 42849
 Ion Ratio Lower Upper
 74 100
 45 107.2 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): V
 Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.122 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

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MSVOA_N

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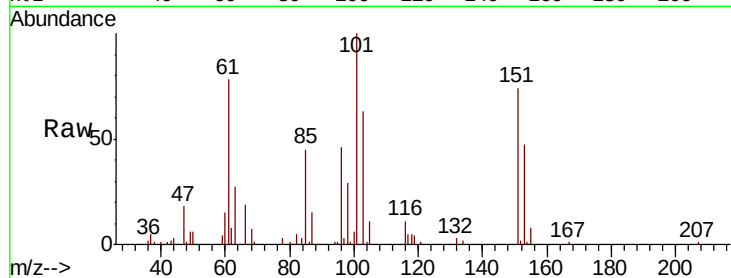
Tot Ion:101 Resp: 68636

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

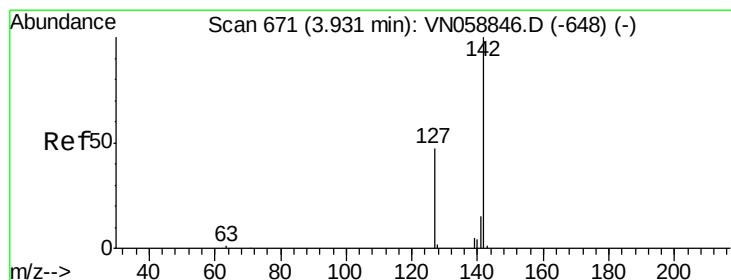
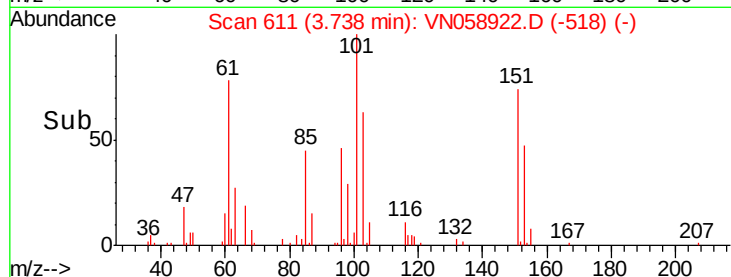
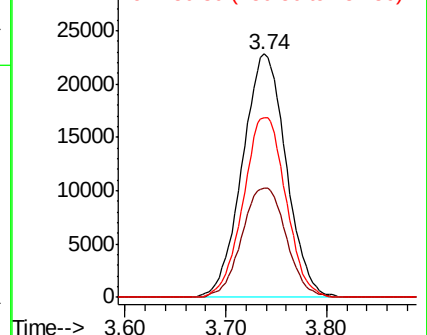
151 71.8 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.780 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

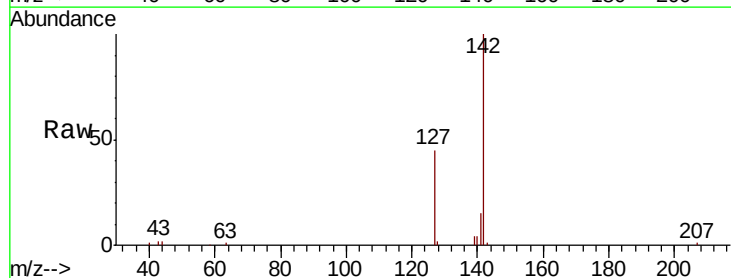
Tgt Ion:142 Resp: 88659

Ion Ratio Lower Upper

142 100

127 46.3 36.6 54.8

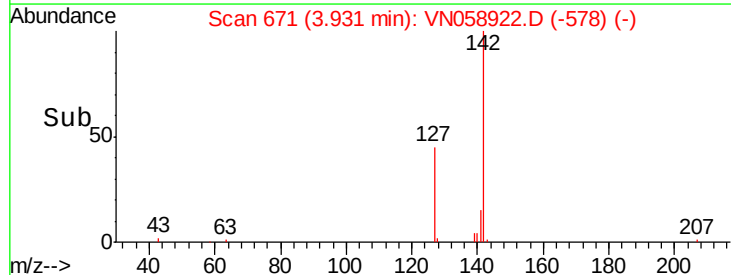
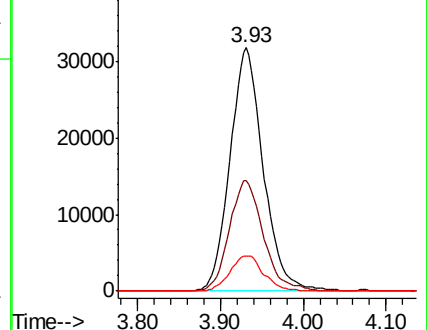
141 14.5 11.4 17.2

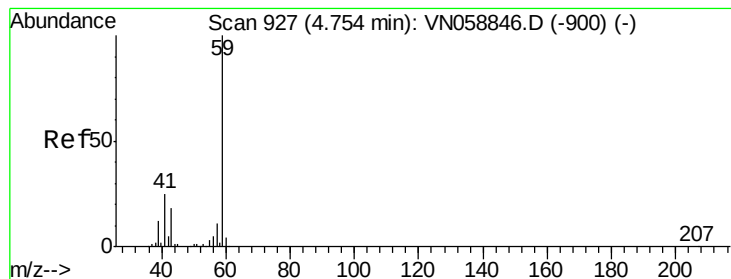


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.492 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

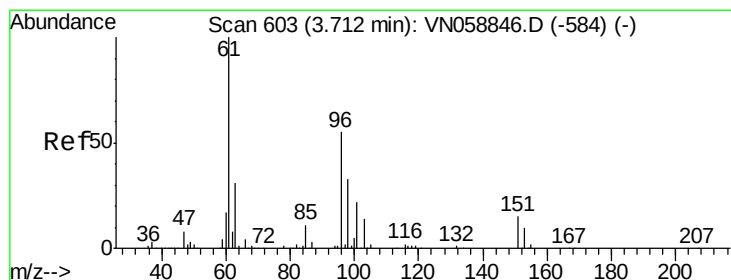
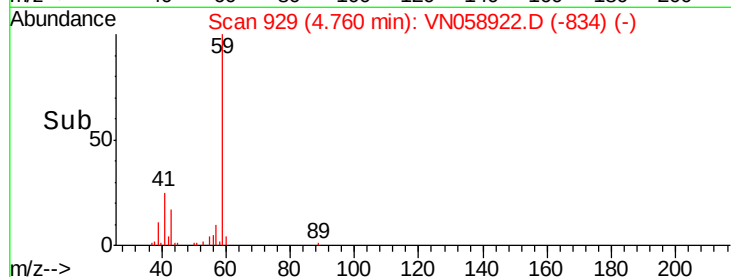
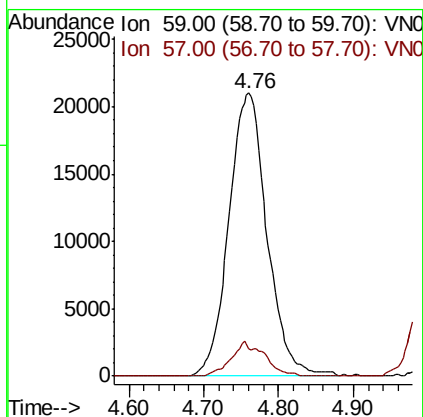
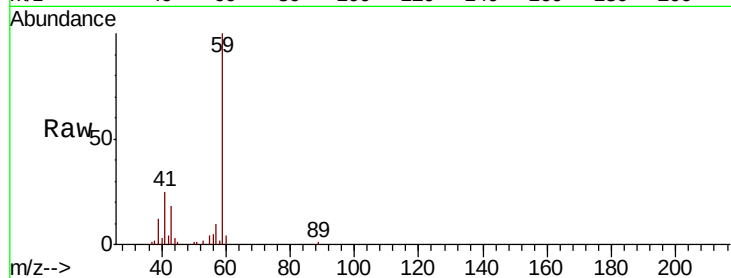
VN1024WBS01

Tot Ion: 59 Resp: 74337

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#12

1,1-Dichloroethene

Concen: 18.953 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

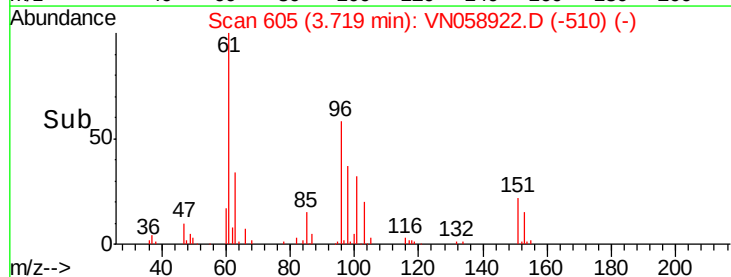
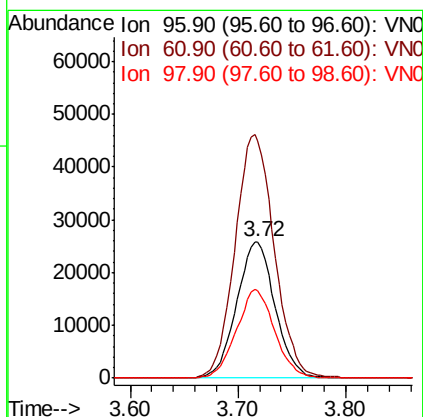
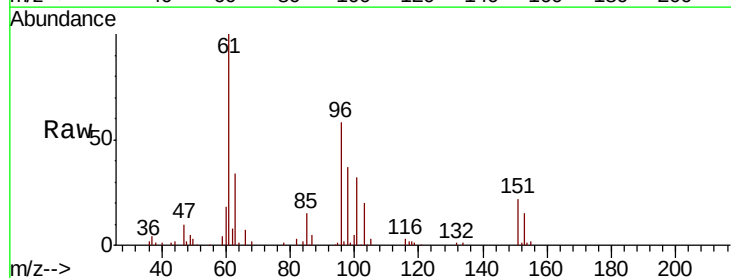
Tgt Ion: 96 Resp: 63767

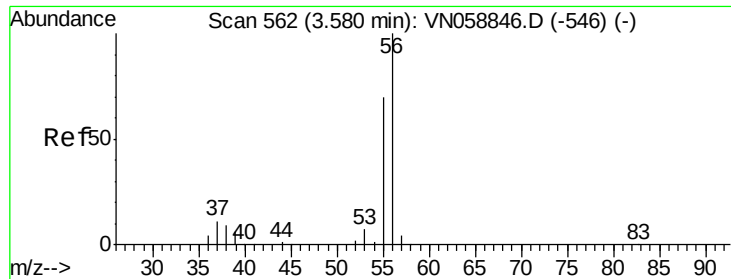
Ion Ratio Lower Upper

96 100

61 173.9 146.2 219.2

98 63.8 48.7 73.1





#13

Acrolein

Concen: 72.926 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

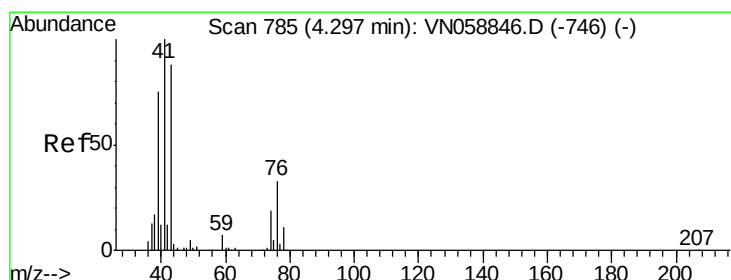
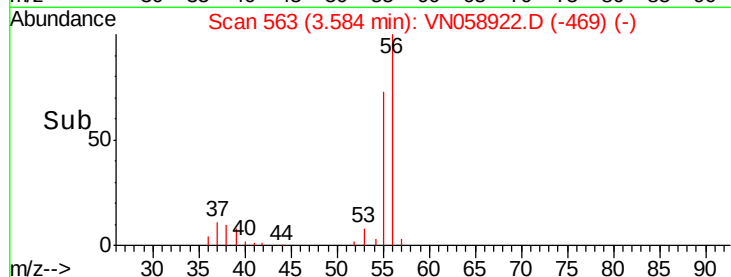
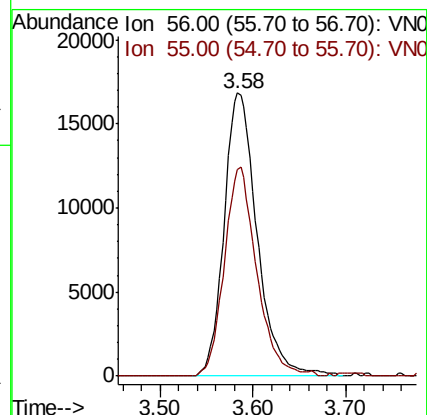
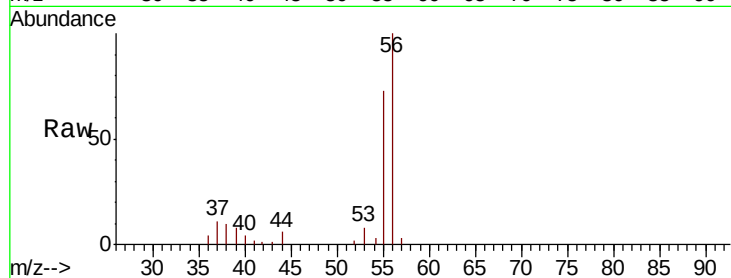
VN1024WBS01

Tot Ion: 56 Resp: 41622

Ion Ratio Lower Upper

56 100

55 72.1 56.6 85.0



#14

Allyl chloride

Concen: 18.646 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

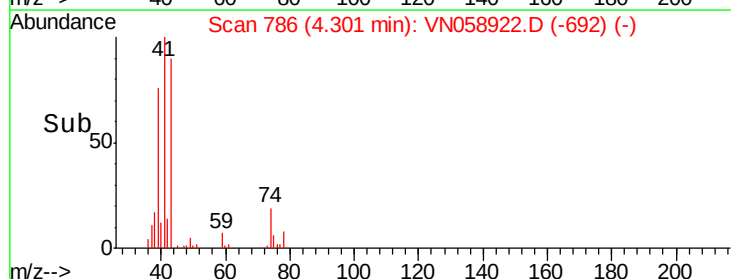
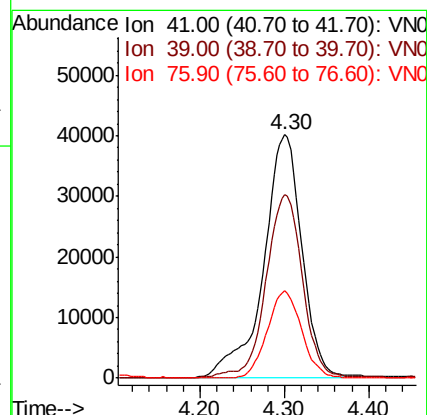
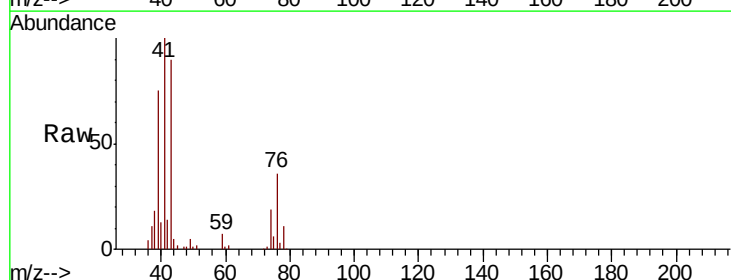
Tgt Ion: 41 Resp: 126942

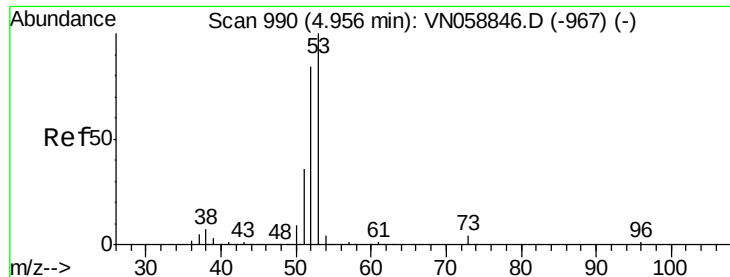
Ion Ratio Lower Upper

41 100

39 71.5 55.9 83.9

76 32.1 24.1 36.1





#15

Acrylonitrile

Concen: 96.624 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

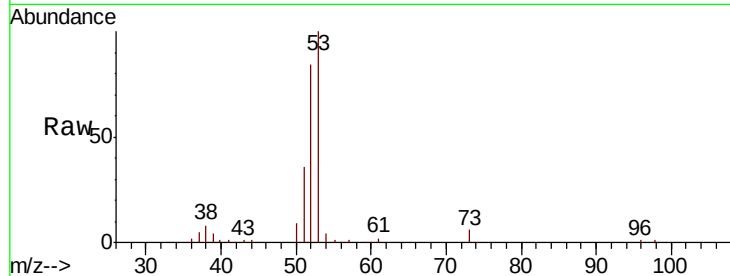
Tot Ion: 53 Resp: 201888

Ion Ratio Lower Upper

53 100

52 83.6 66.6 99.8

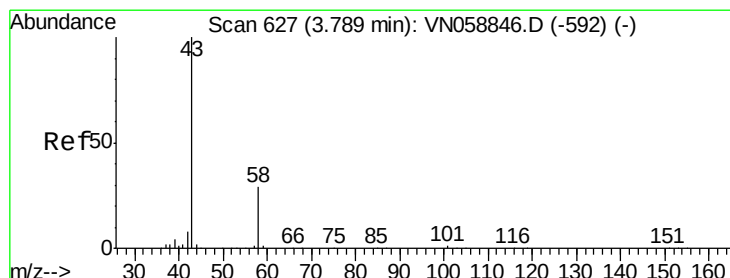
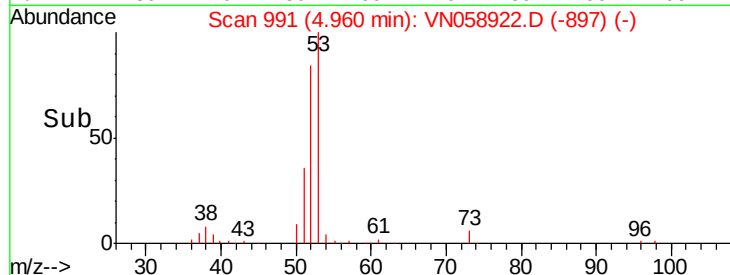
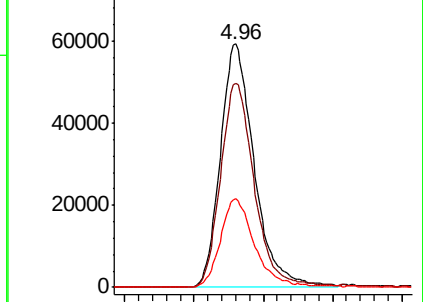
51 36.7 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.217 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058922.D

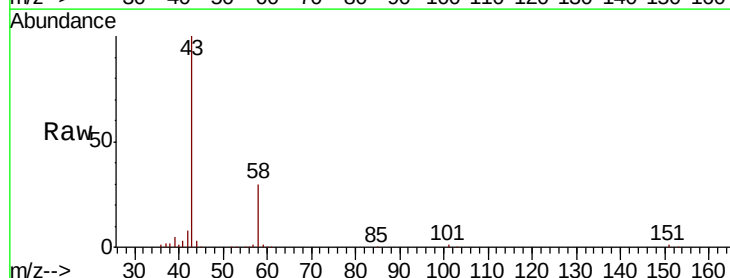
Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 218201

Ion Ratio Lower Upper

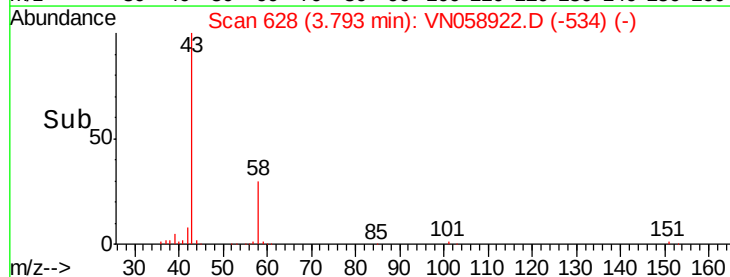
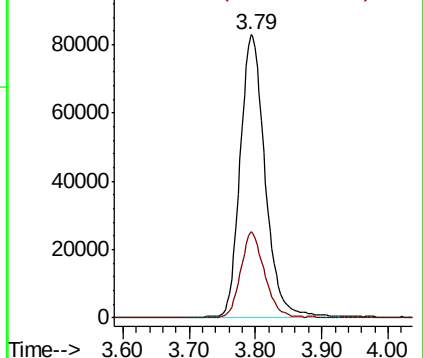
43 100

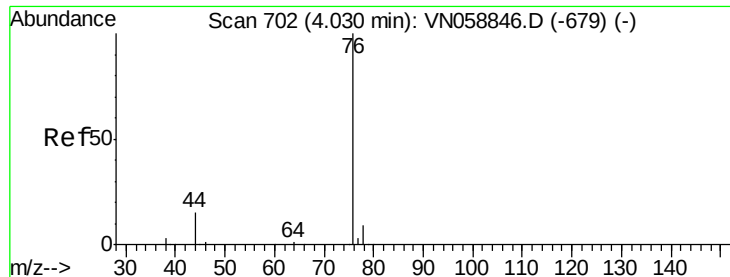
58 30.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

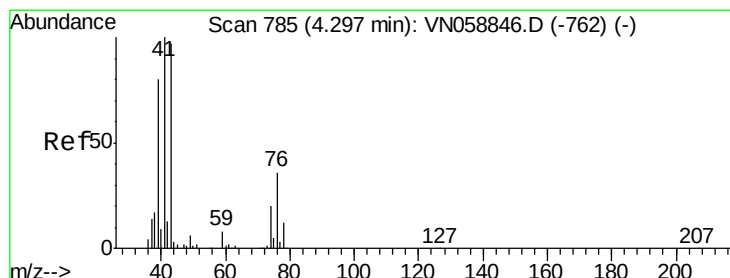
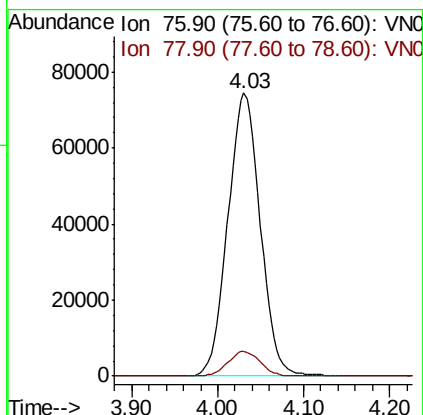
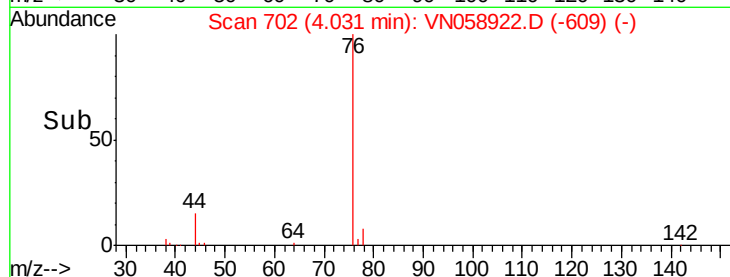
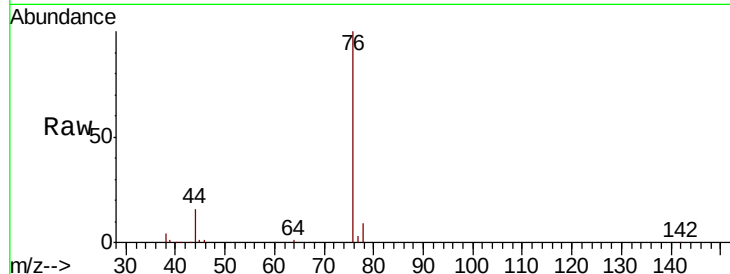




#17
Carbon Disulfide
Concen: 17.963 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

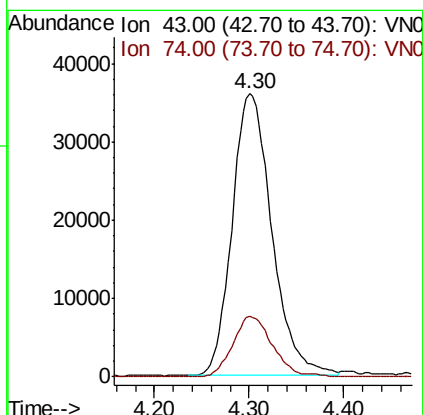
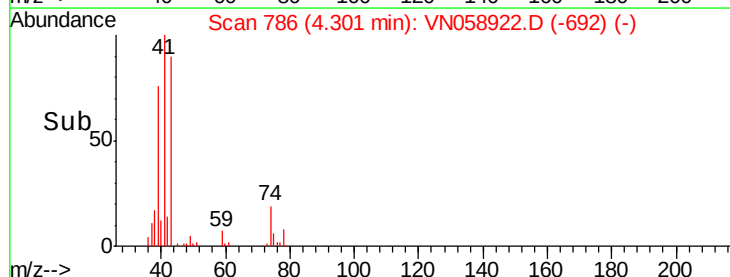
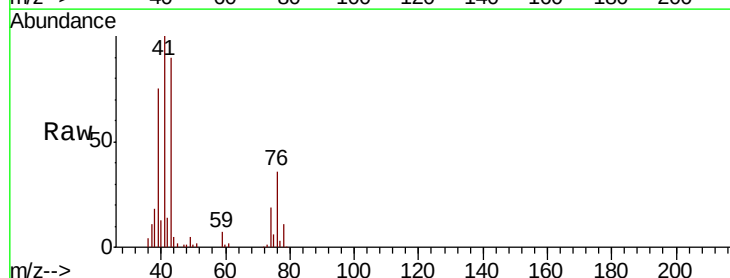
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

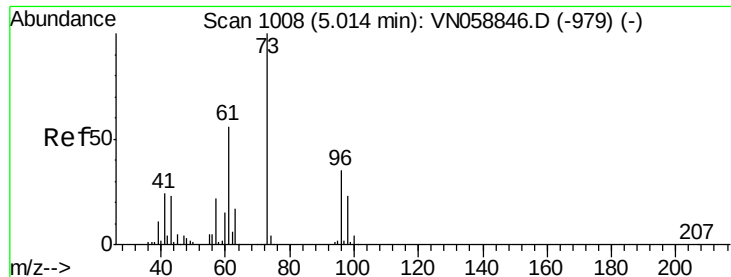
Tot Ion: 76 Resp: 194680
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 18.697 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 105142
Ion Ratio Lower Upper
43 100
74 21.1 17.1 25.7

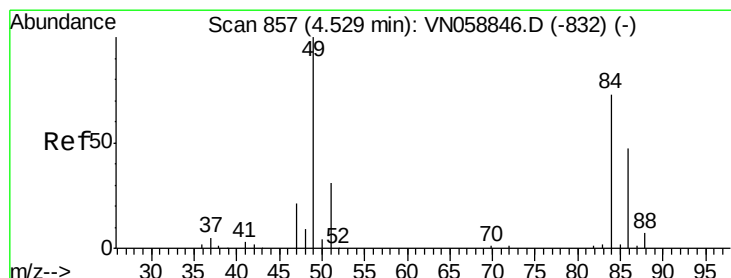
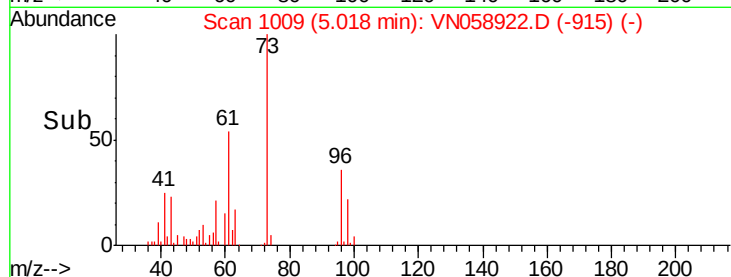
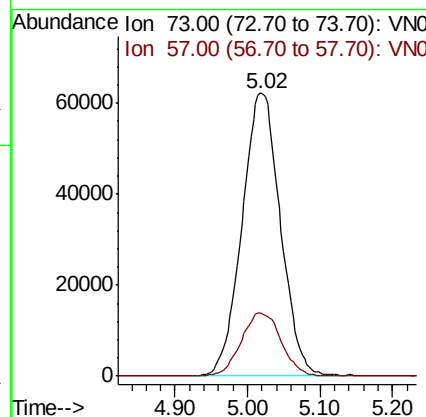
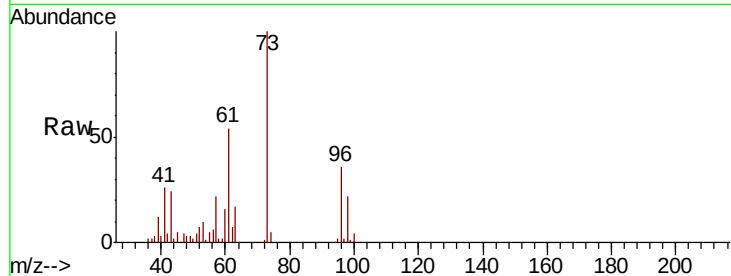




#19
Methyl tert-butyl Ether
Concen: 19.491 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

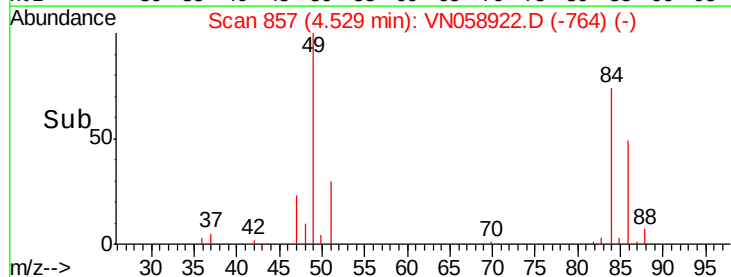
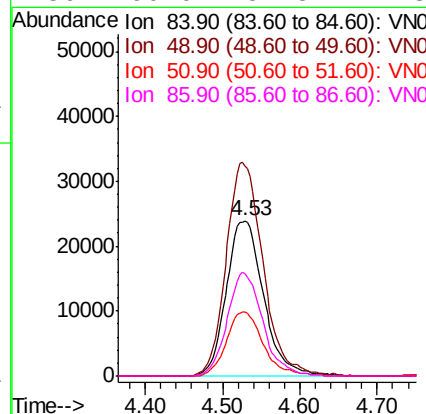
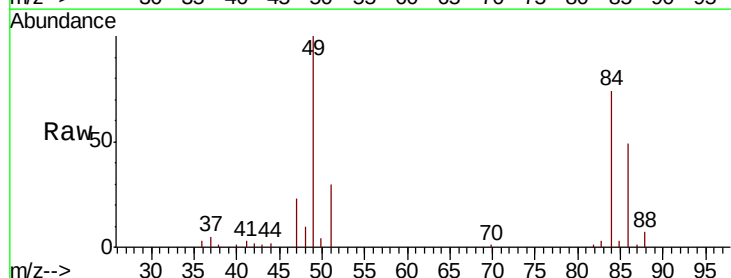
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

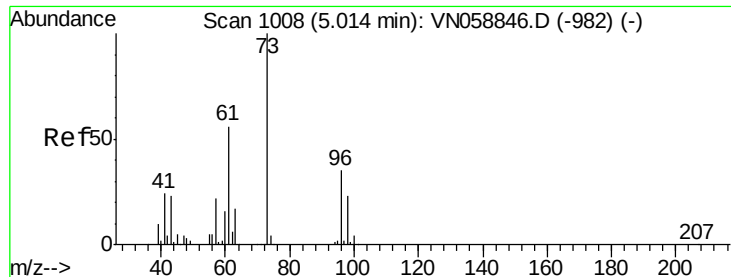
Tot Ion: 73 Resp: 229618
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 18.900 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 84 Resp: 79822
Ion Ratio Lower Upper
84 100
49 135.7 109.6 164.4
51 41.4 33.8 50.6
86 66.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.926 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

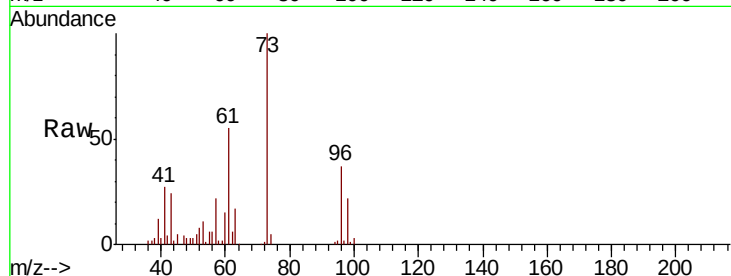
Tot Ion: 96 Resp: 70323

Ion Ratio Lower Upper

96 100

61 149.6 126.7 190.1

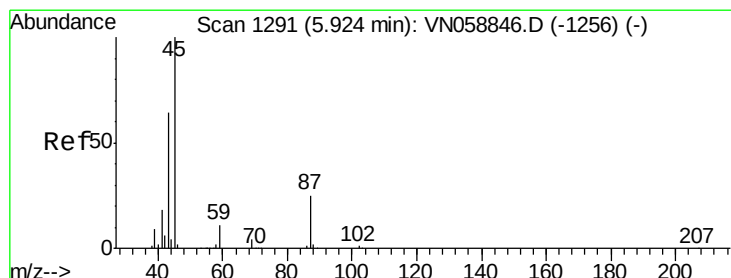
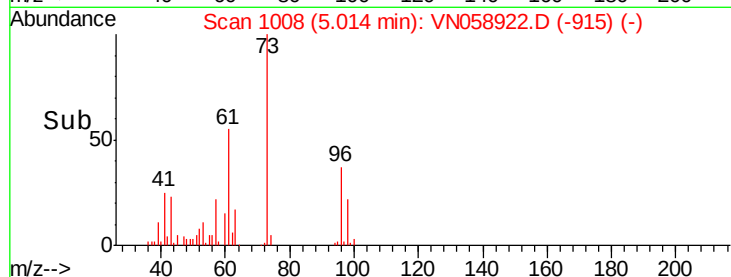
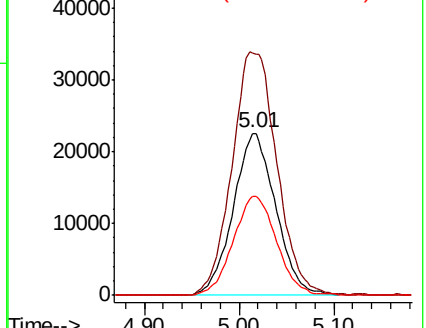
98 61.1 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.917 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion: 45 Resp: 265223

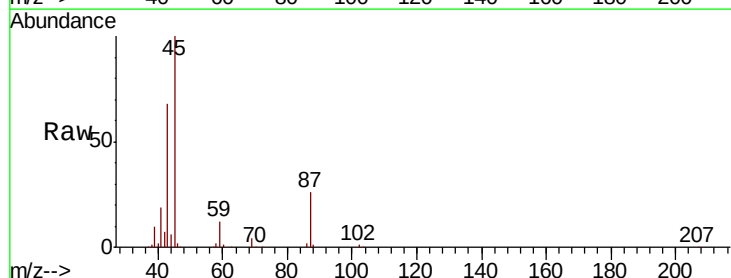
Ion Ratio Lower Upper

45 100

43 66.1 52.9 79.3

87 25.6 20.2 30.4

59 11.5 8.8 13.2

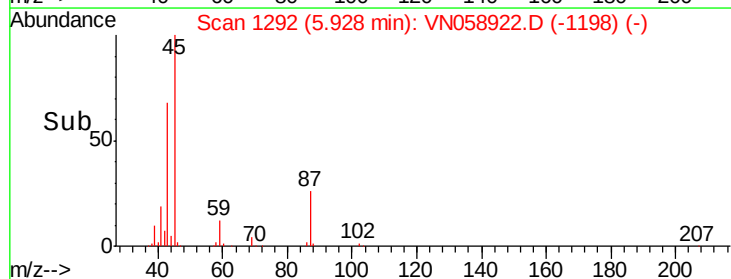
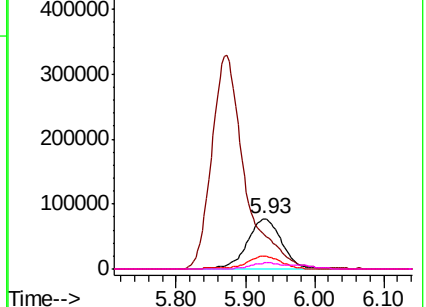


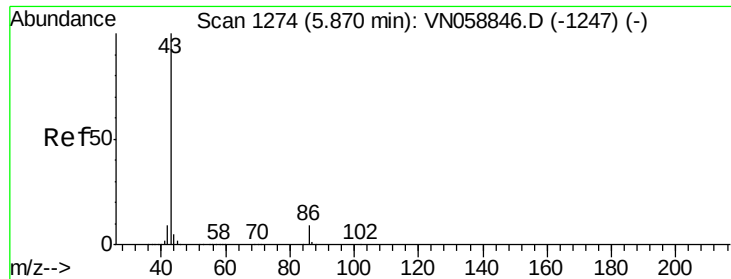
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.114 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

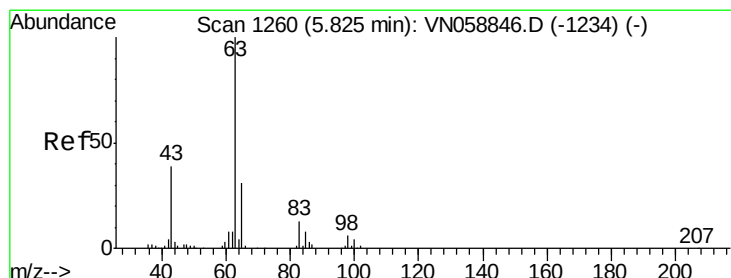
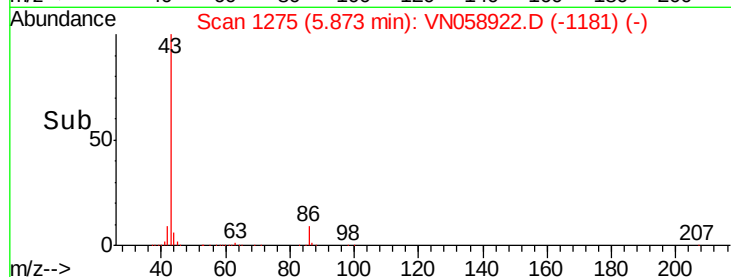
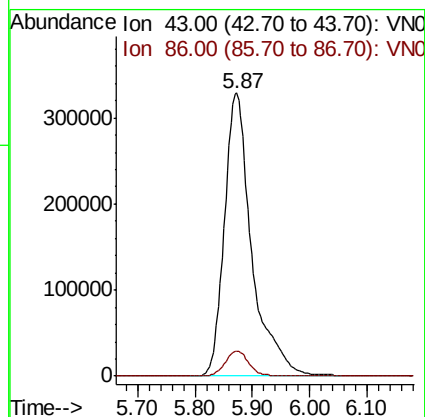
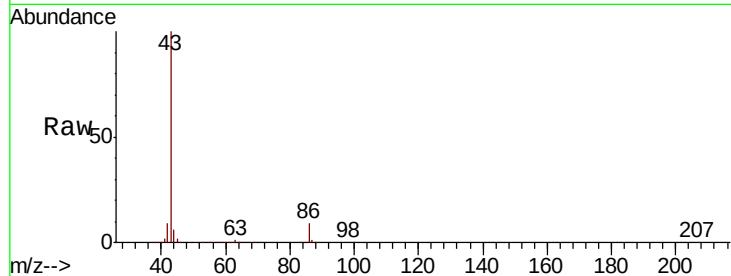
VN1024WBS01

Tot Ion: 43 Resp: 1092505

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.321 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

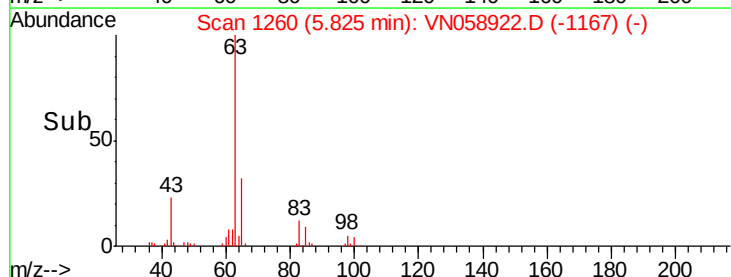
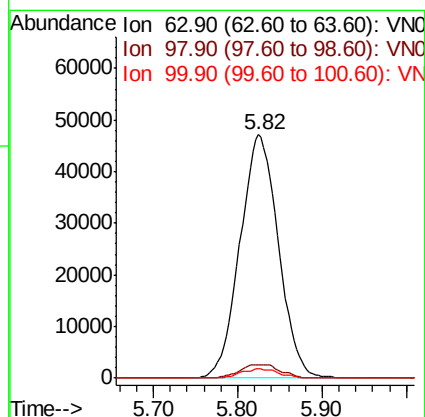
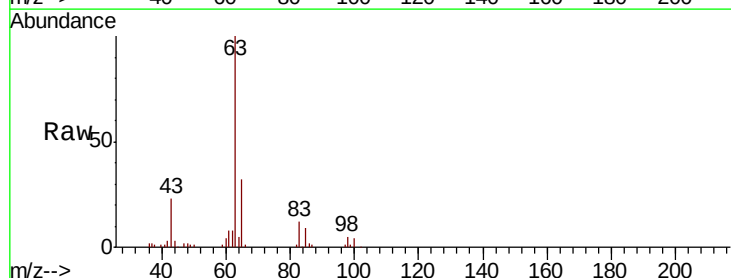
Tgt Ion: 63 Resp: 149189

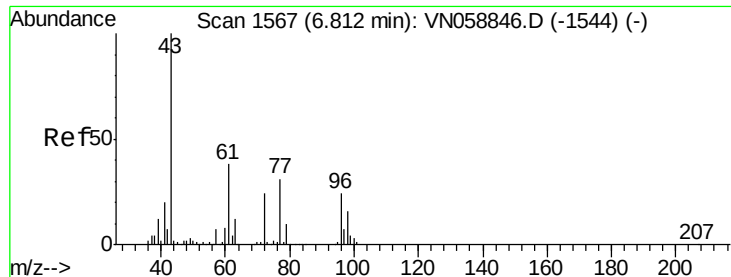
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 91.018 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

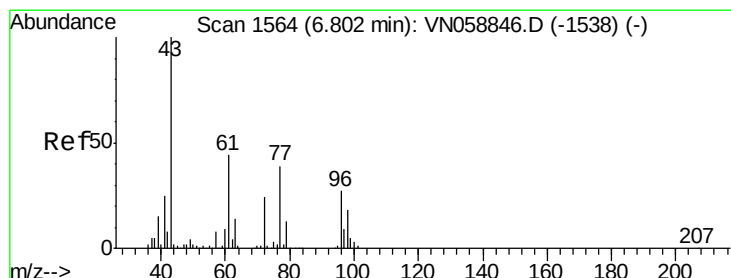
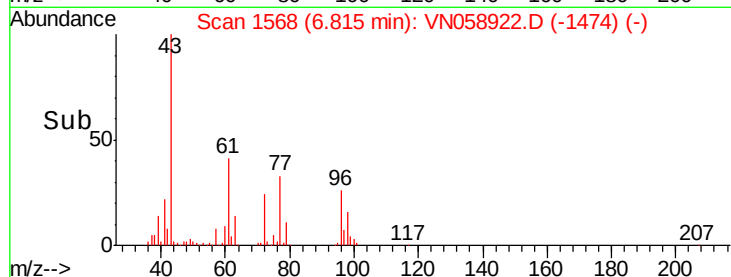
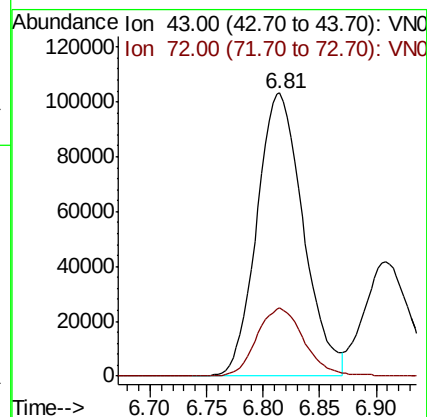
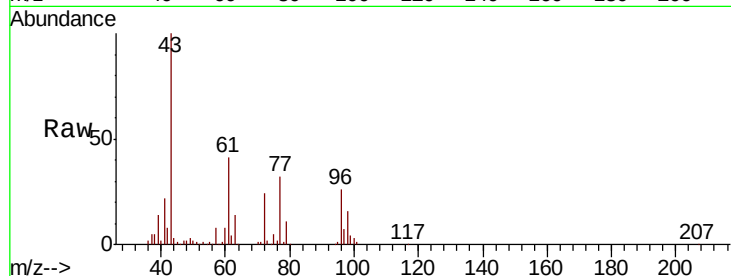
VN1024WBS01

Tot Ion: 43 Resp: 292242

Ion Ratio Lower Upper

43 100

72 24.0 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.970 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058922.D

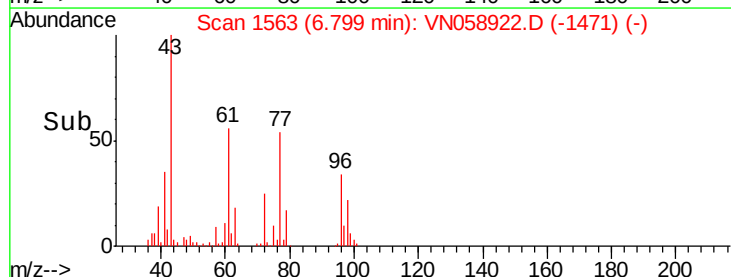
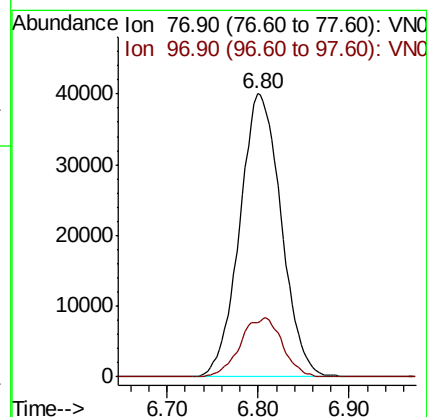
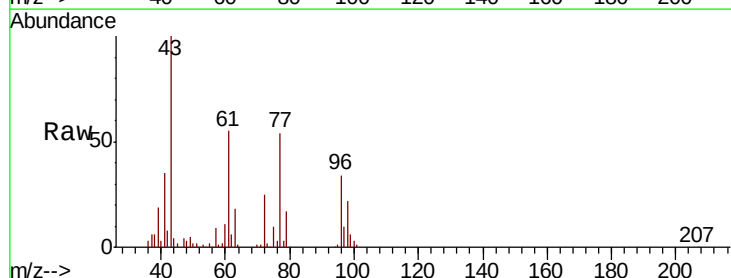
Acq: 23 Oct 2019 12:28

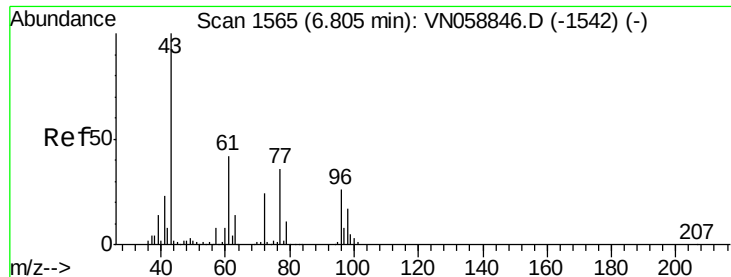
Tgt Ion: 77 Resp: 126699

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

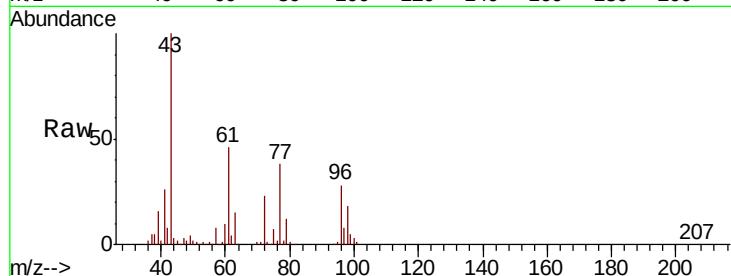
Tot Ion: 96 Resp: 80709

Ion Ratio Lower Upper

96 100

61 164.4 0.0 325.0

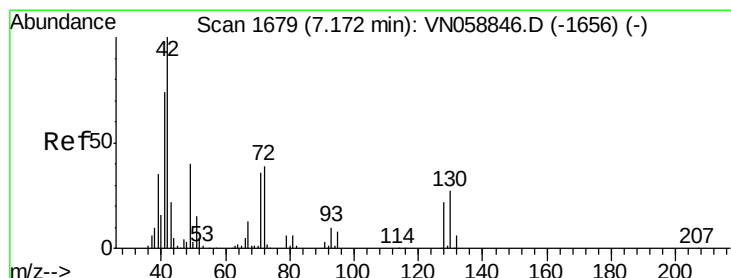
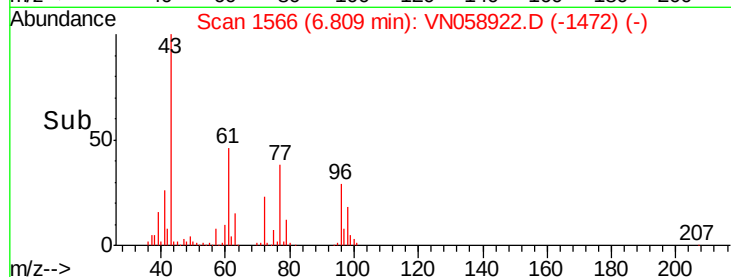
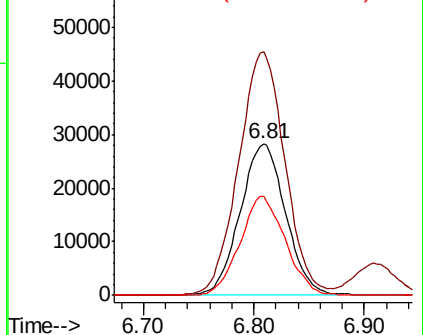
98 64.9 0.0 128.0



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: 18.703 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

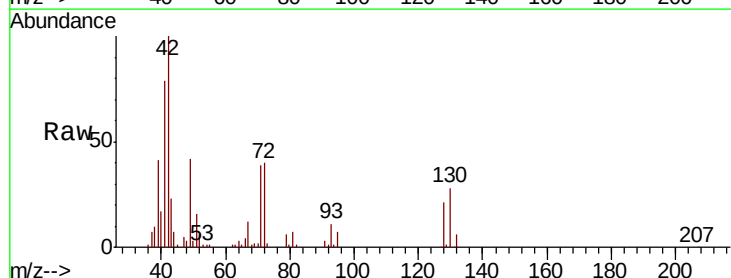
Tgt Ion: 49 Resp: 48097

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.2

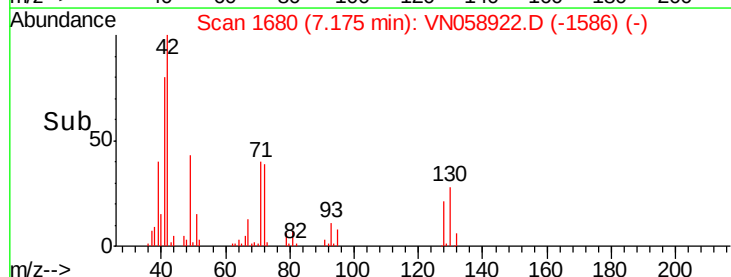
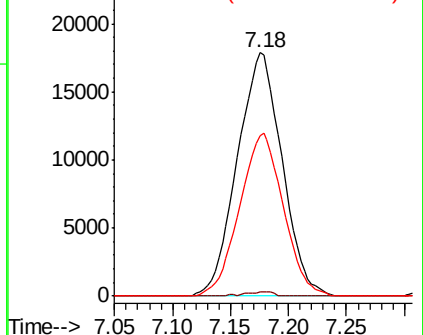
130 65.3 53.5 80.3

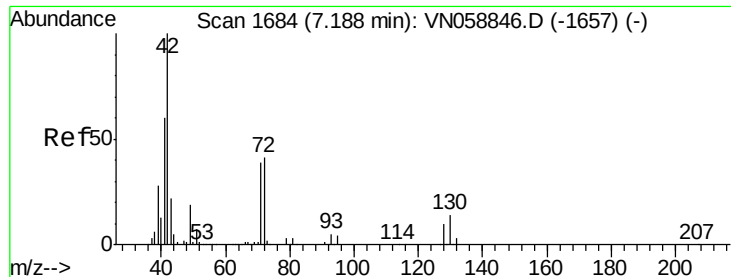


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.056 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

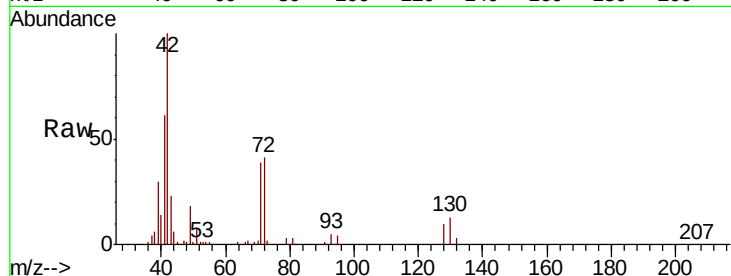
Tot Ion: 42 Resp: 186706

Ion Ratio Lower Upper

42 100

72 39.9 32.2 48.2

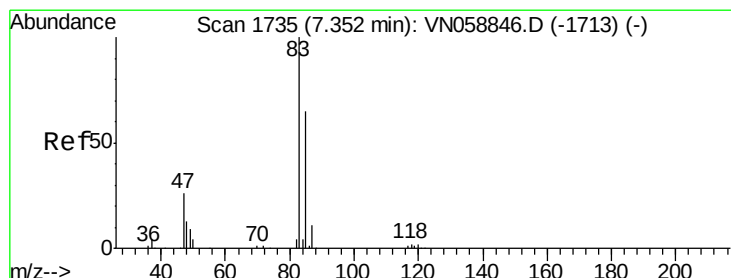
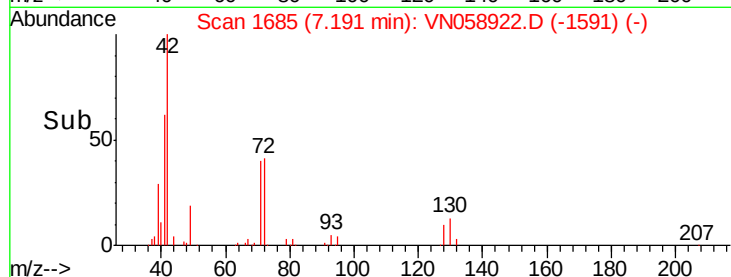
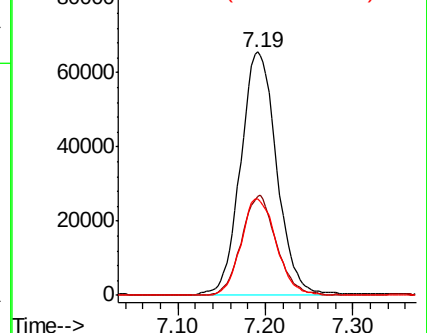
71 39.0 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN058922.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058922.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058922.D (-1657) (-)



#30

Chloroform

Concen: 19.161 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058922.D

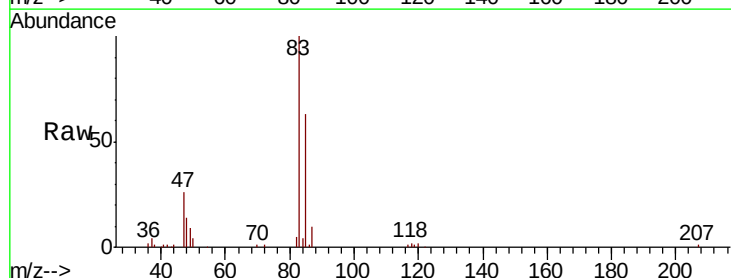
Acq: 23 Oct 2019 12:28

Tgt Ion: 83 Resp: 148414

Ion Ratio Lower Upper

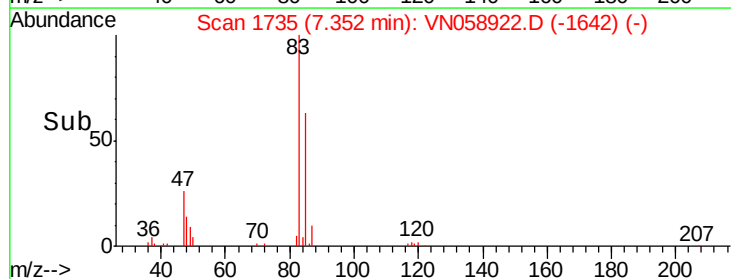
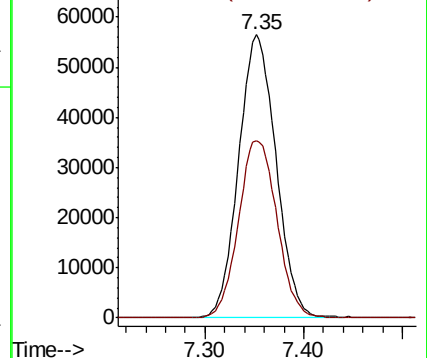
83 100

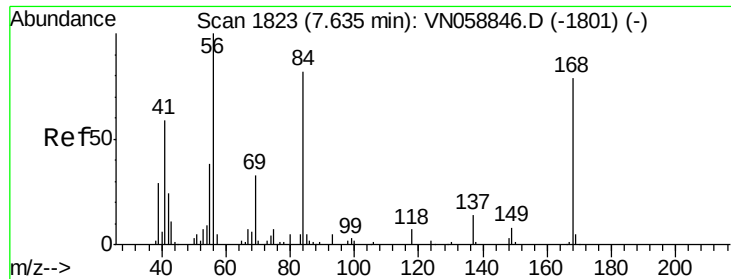
85 62.6 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN058922.D (-1642) (-)

Ion 84.90 (84.60 to 85.60): VN058922.D (-1642) (-)

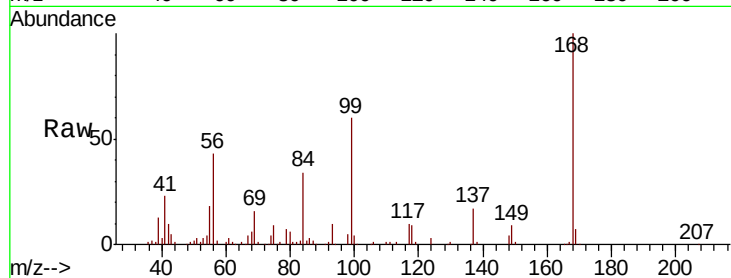




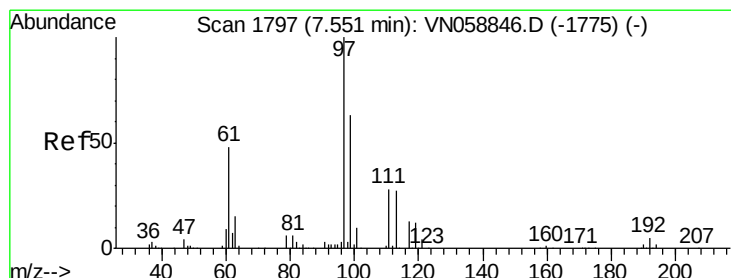
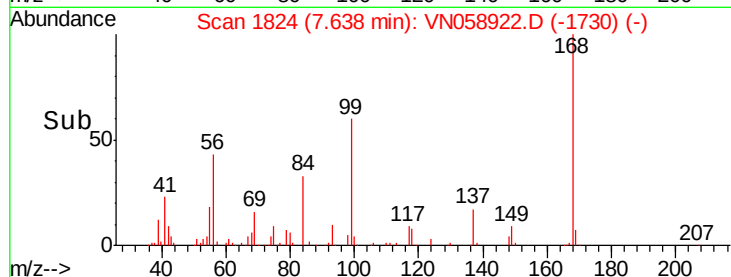
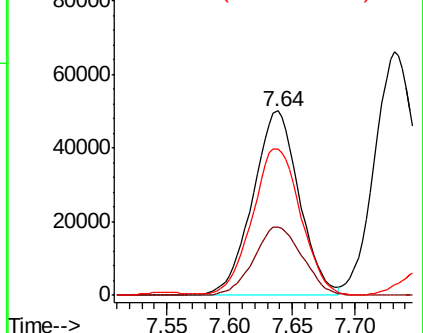
#31
Cyclohexane
Concen: 17.959 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion: 56 Resp: 129184
Ion Ratio Lower Upper
56 100
69 37.2 26.2 39.4
84 77.9 65.6 98.4

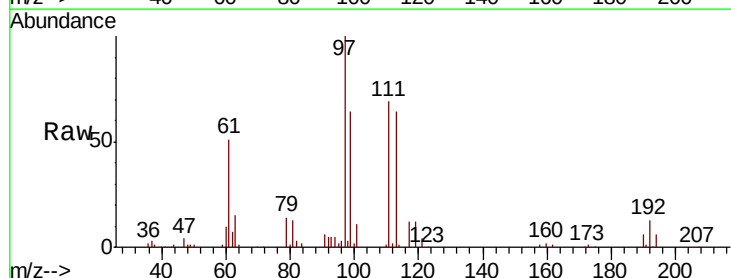


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

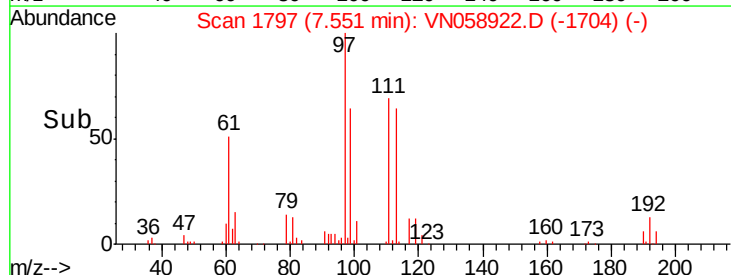
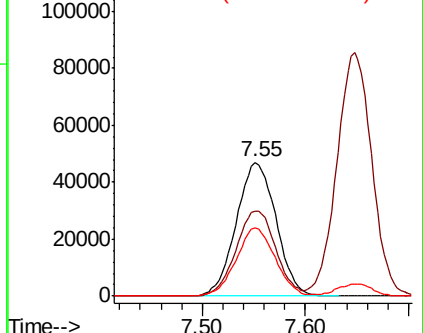


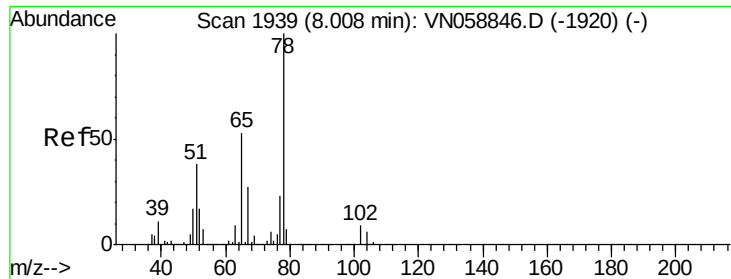
#32
1,1,1-Trichloroethane
Concen: 19.359 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 97 Resp: 126387
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 50.1 38.6 58.0



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

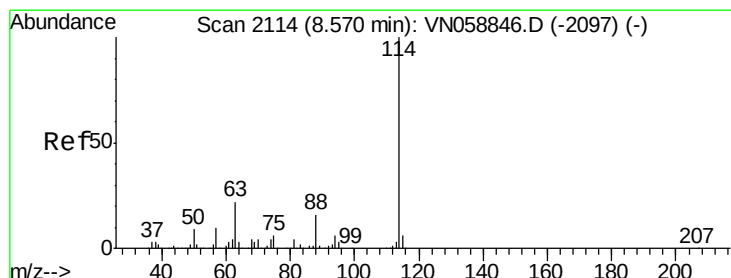
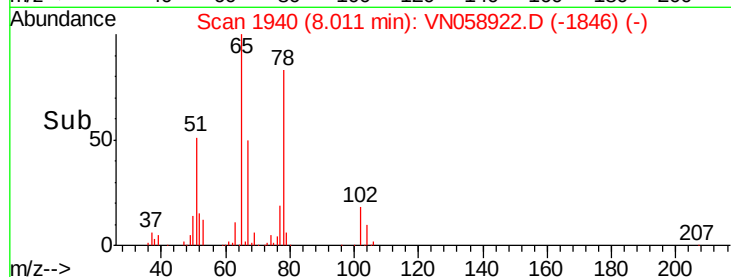
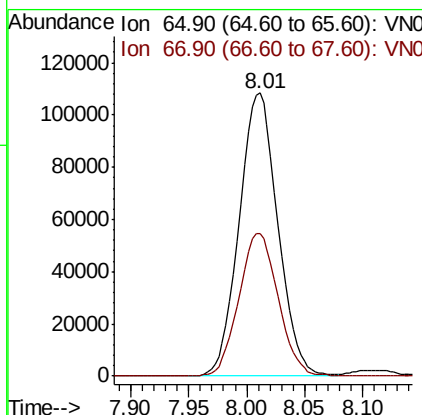
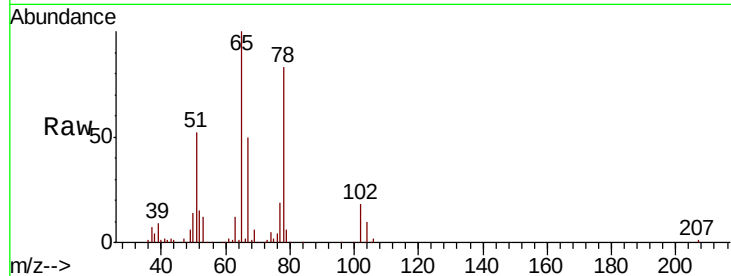




#33
 1,2-Dichloroethane-d4
 Concen: 50.264 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

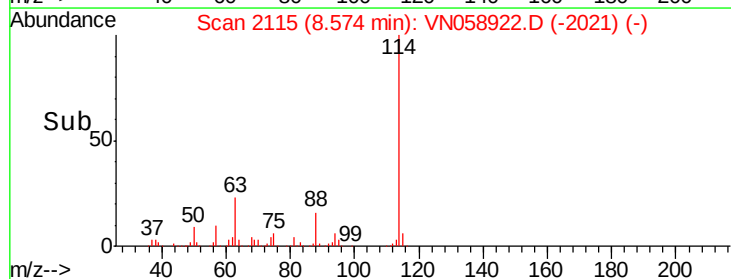
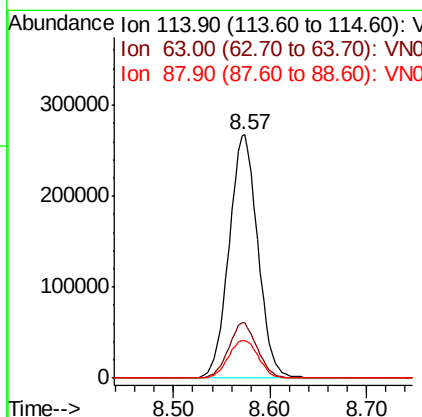
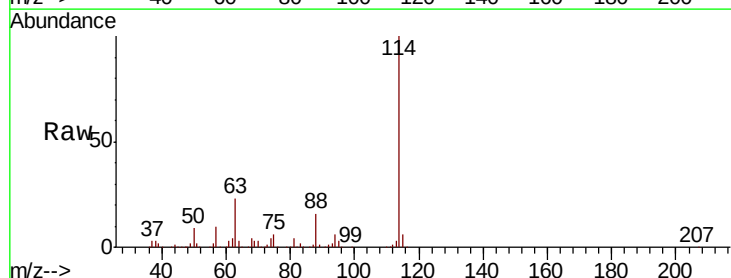
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

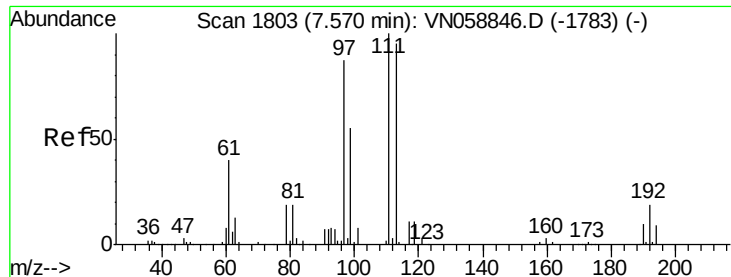
Tot Ion: 65 Resp: 251599
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 114 Resp: 549891
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 15.6 0.0 31.4

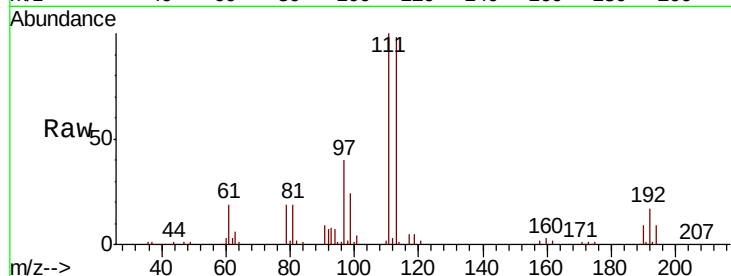




#35
 Dibromofluoromethane
 Concen: 49.325 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	18.7	15.0	22.6

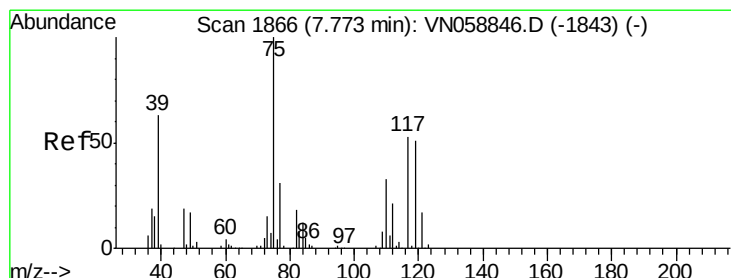
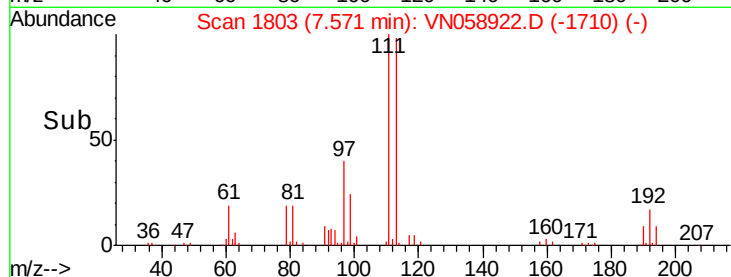
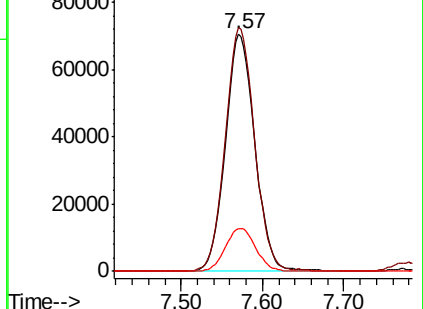


Abundance

Ion 112.80 (112.50 to 113.50): V

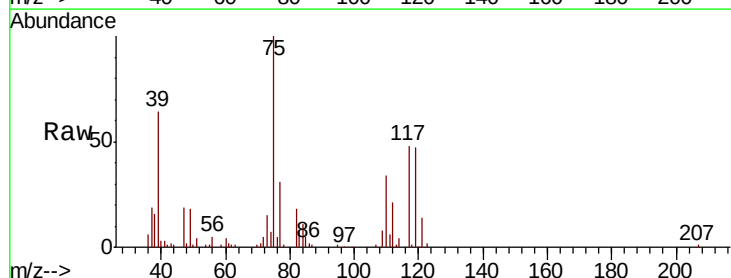
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.827 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.3	48.9
77	31.5	24.6	36.8

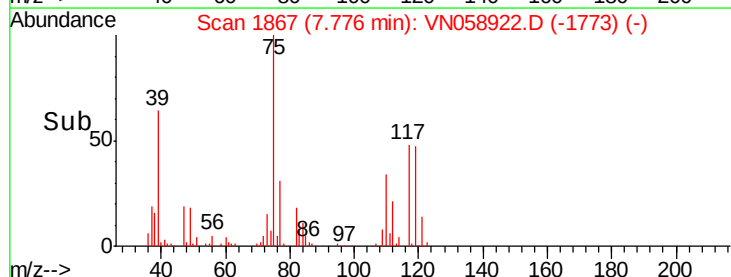
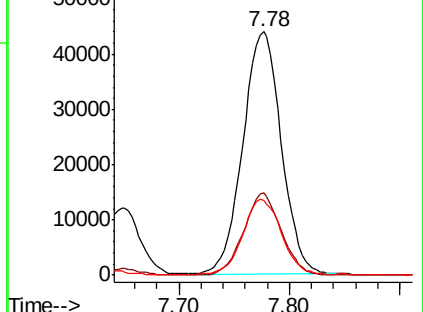


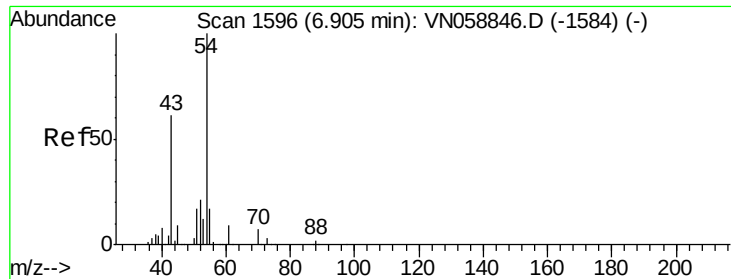
Abundance

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

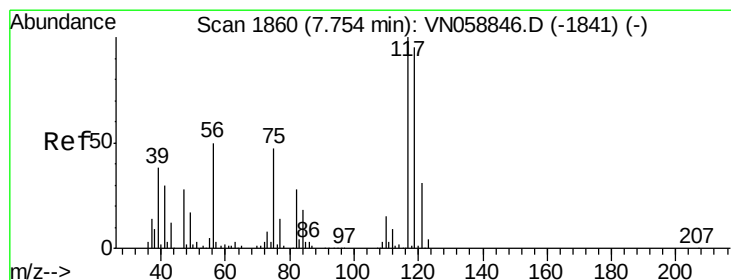
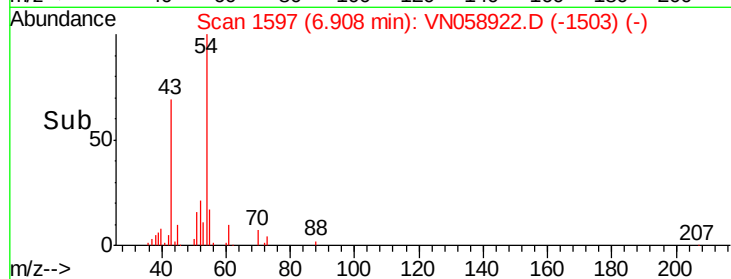
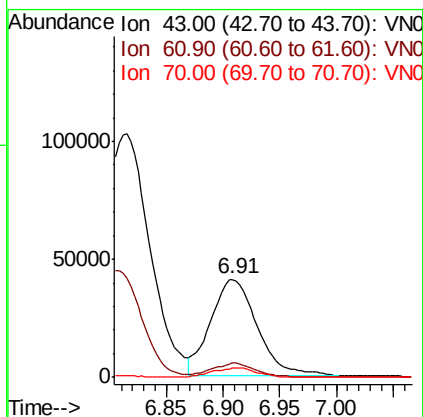
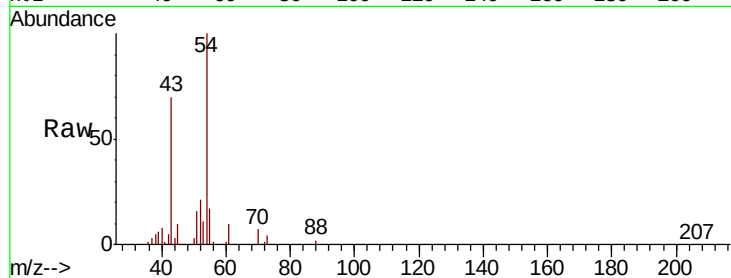




#37
Ethyl Acetate
Concen: 19.048 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

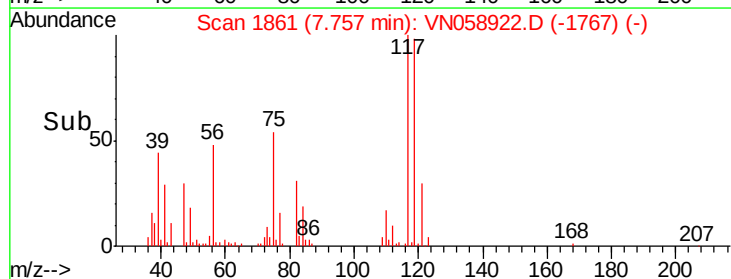
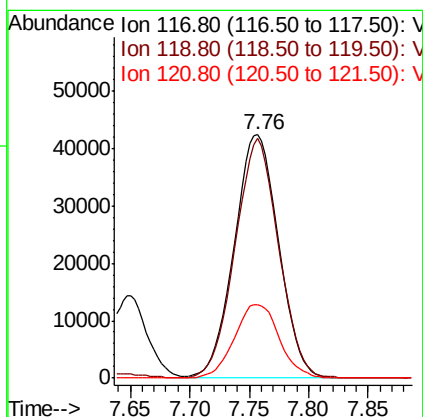
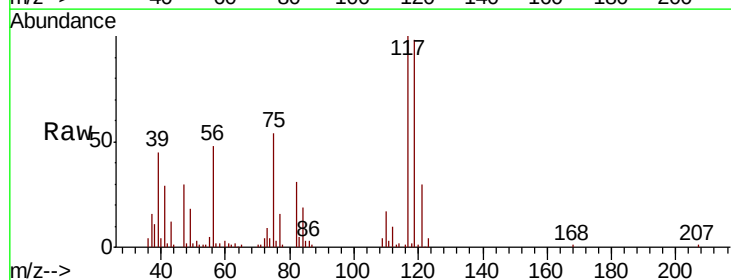
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

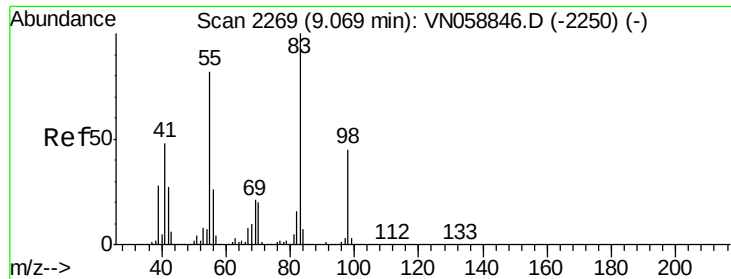
Tot Ion: 43 Resp: 116844
Ion Ratio Lower Upper
43 100
61 14.4 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 117 Resp: 109744
Ion Ratio Lower Upper
117 100
119 98.2 75.7 113.5
121 30.2 25.0 37.6

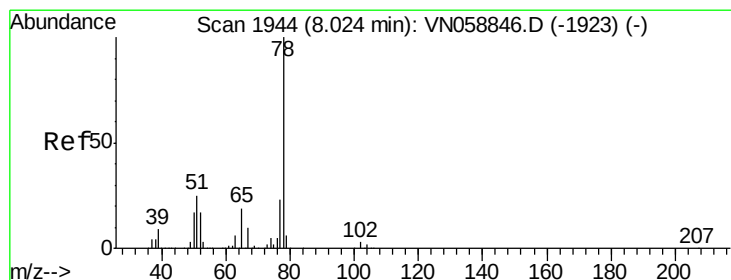
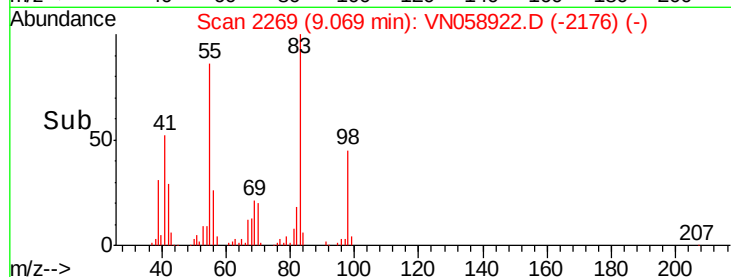
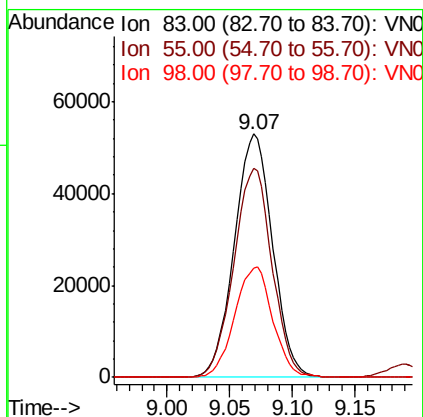
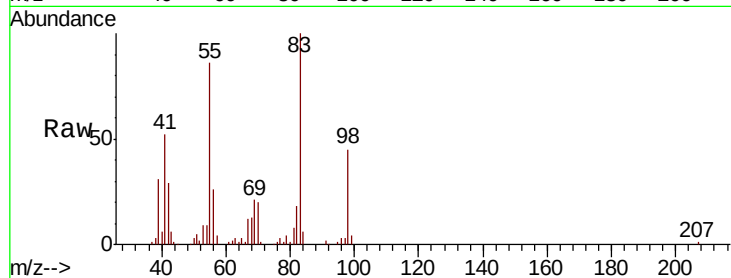




#39
Methylvlcyclohexane
Concen: 17.774 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

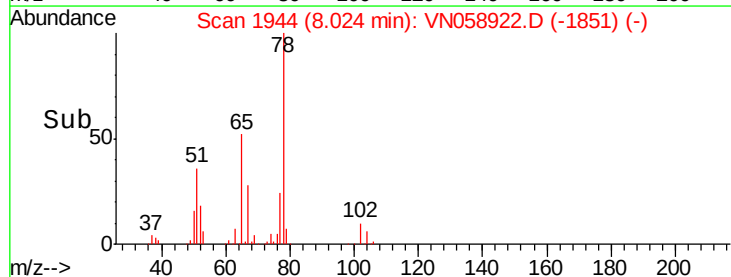
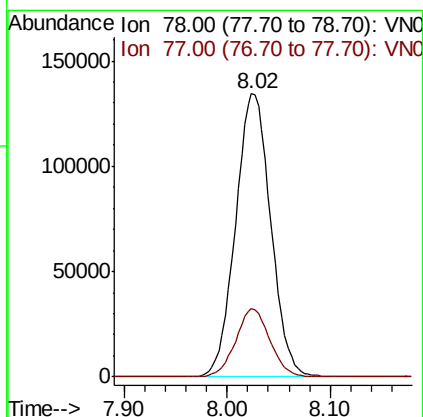
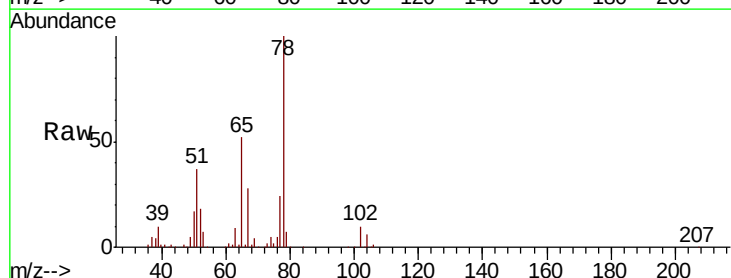
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

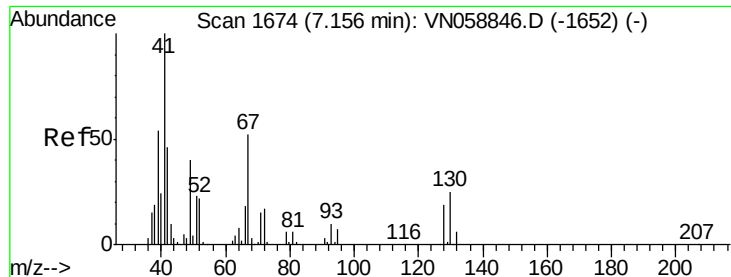
Tot Ion: 83 Resp: 112356
Ion Ratio Lower Upper
83 100
55 85.8 65.5 98.3
98 44.6 35.7 53.5



#40
Benzene
Concen: 19.284 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 78 Resp: 318794
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2

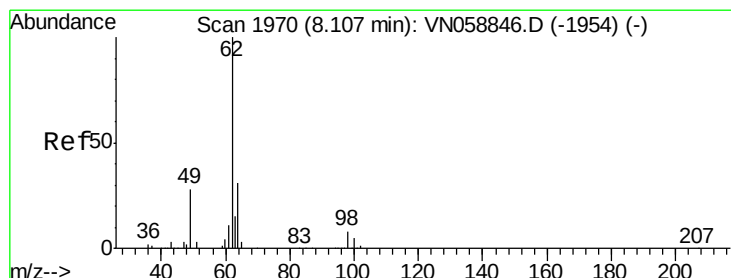
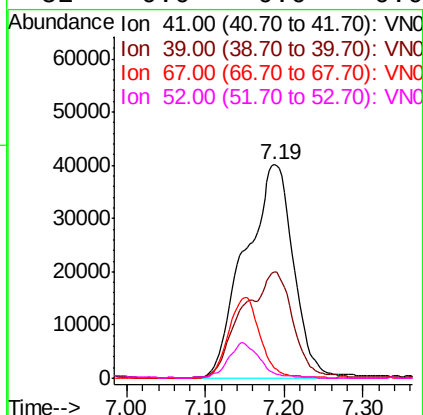
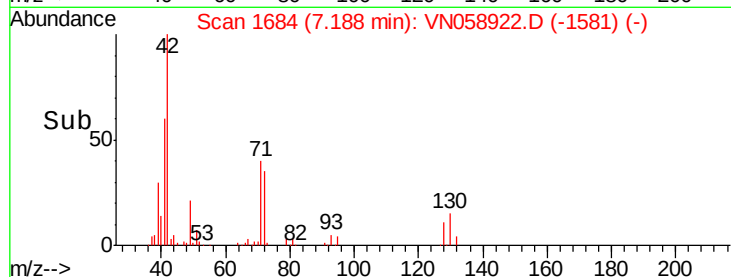
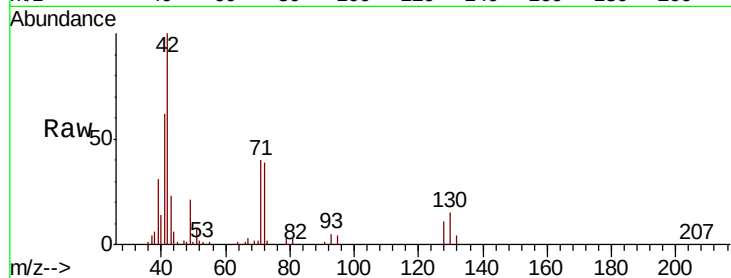




#41
Methacrylonitrile
Concen: 63.125 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

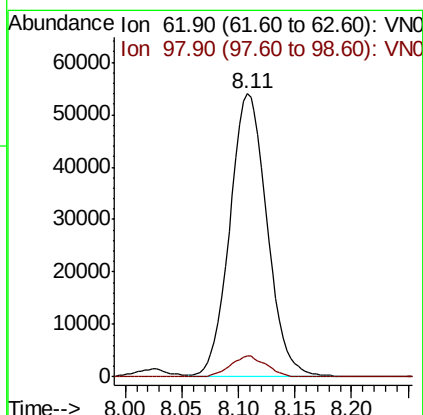
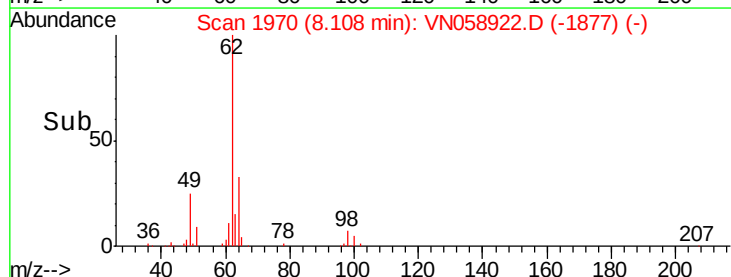
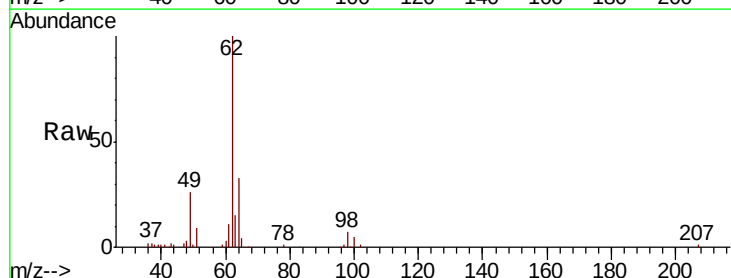
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

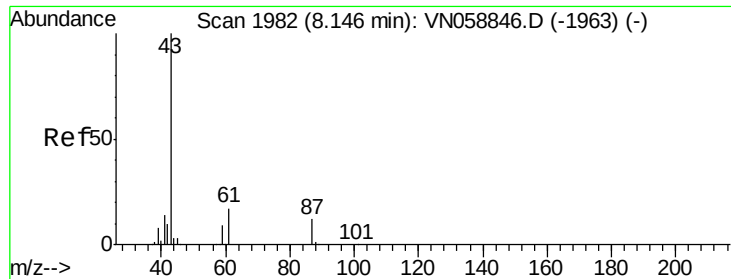
Tot Ion:	41	Resp:	172463
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.471 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:	62	Resp:	123994
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.807 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

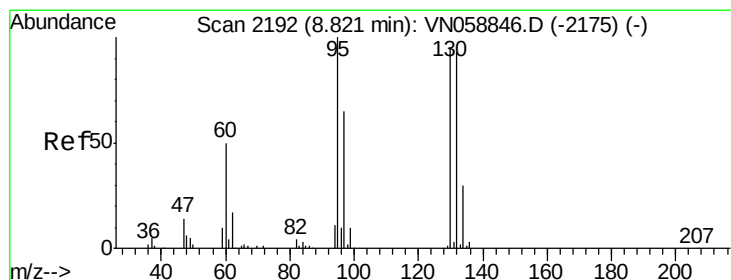
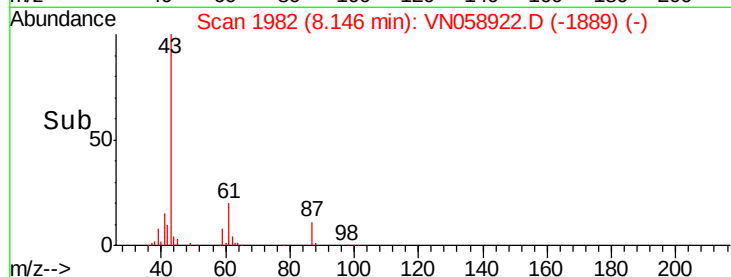
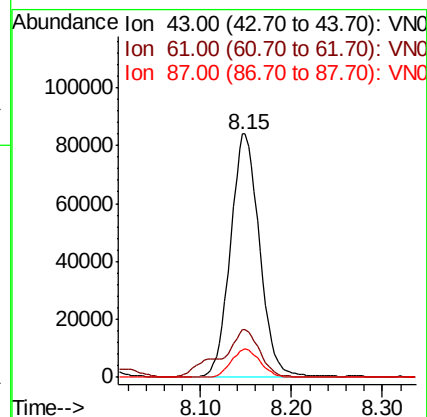
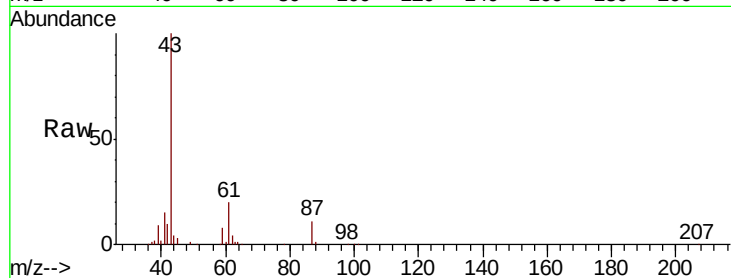
Tot Ion: 43 Resp: 185025

Ion Ratio Lower Upper

43 100

61 19.3 20.2 30.2#

87 11.5 9.5 14.3



#44

Trichloroethene

Concen: 19.308 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058922.D

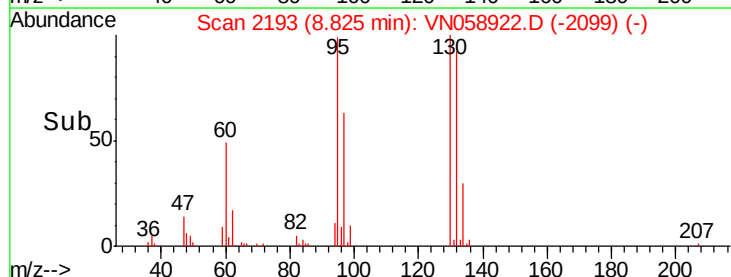
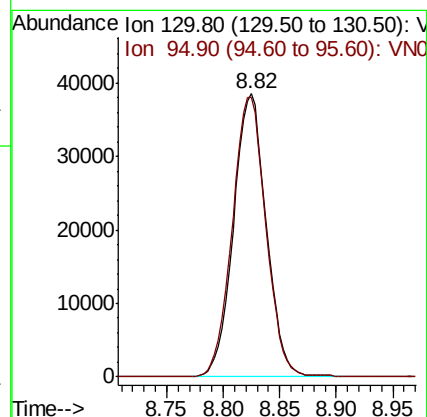
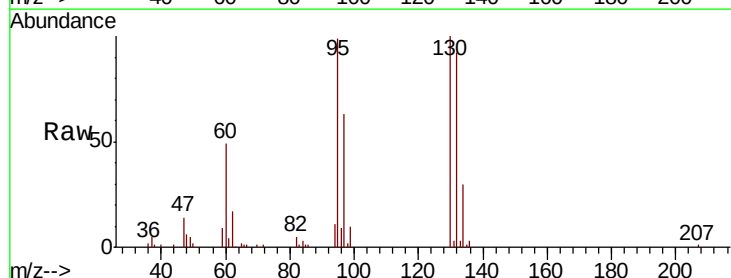
Acq: 23 Oct 2019 12:28

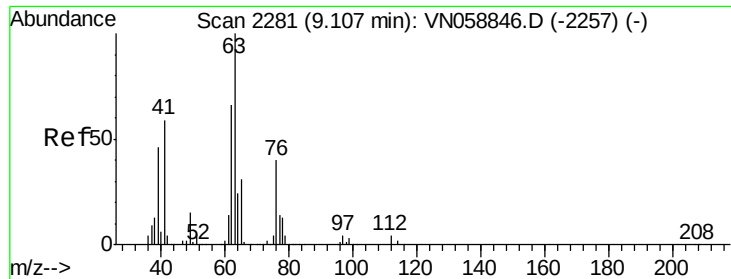
Tgt Ion:130 Resp: 77755

Ion Ratio Lower Upper

130 100

95 98.6 0.0 209.6

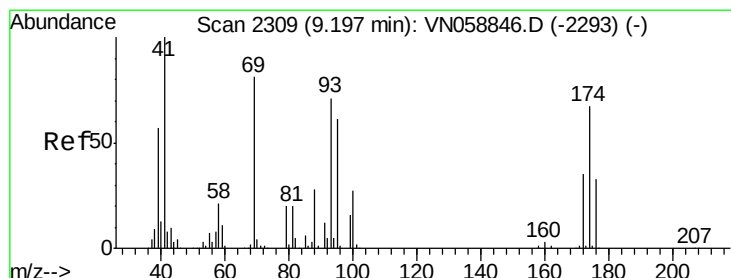
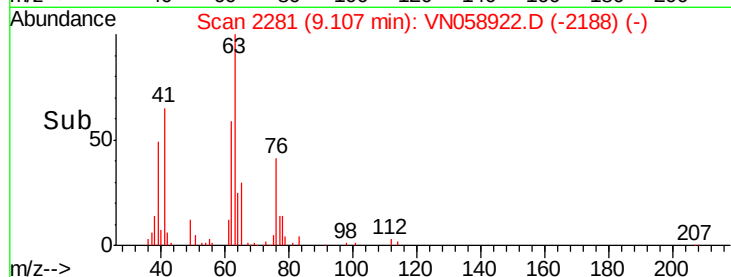
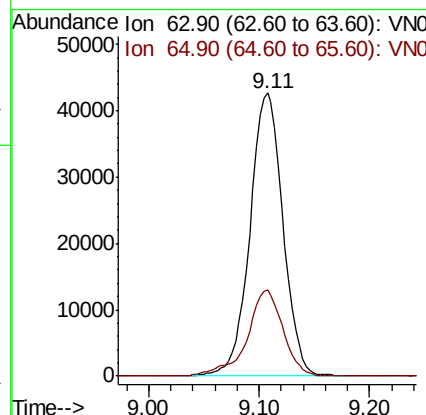
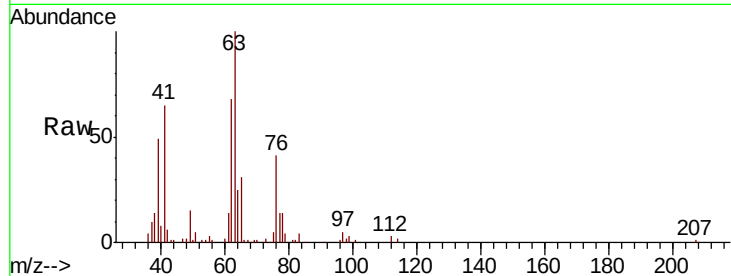




#45
 1,2-Dichloropropane
 Concen: 19.489 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

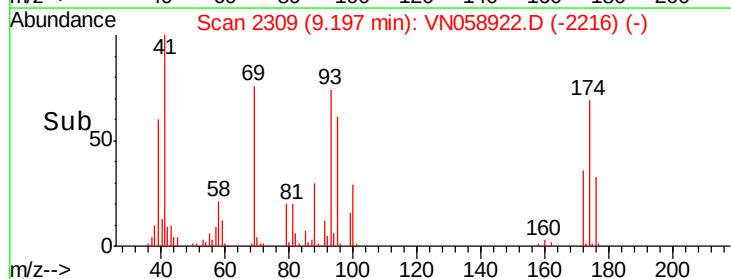
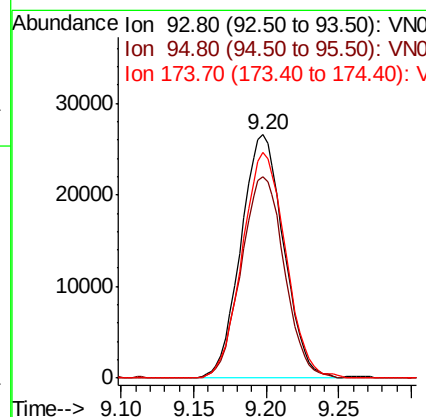
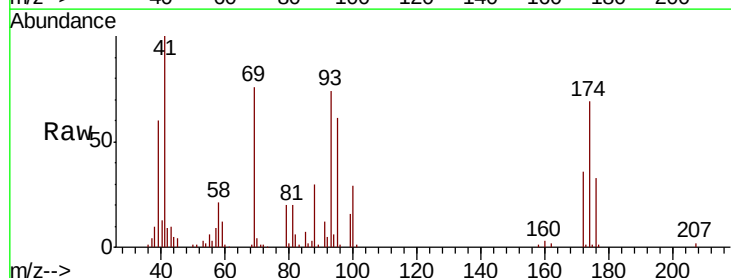
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

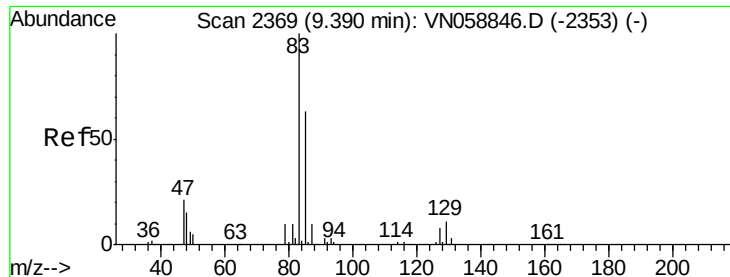
Tot Ion: 63 Resp: 88346
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7



#46
 Dibromomethane
 Concen: 19.047 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 93 Resp: 54585
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 93.9 74.1 111.1





#47

Bromodichloromethane

Concen: 19.248 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

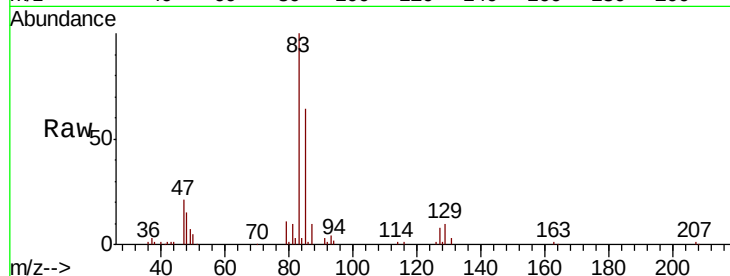
Tot Ion: 83 Resp: 113692

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

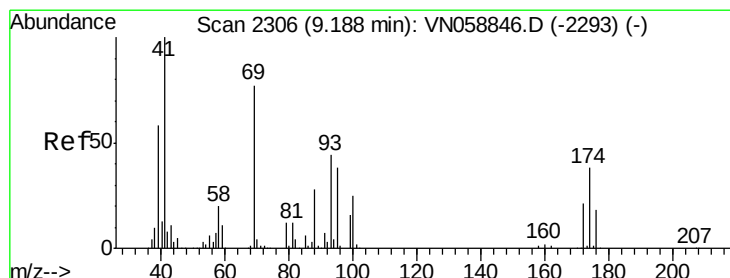
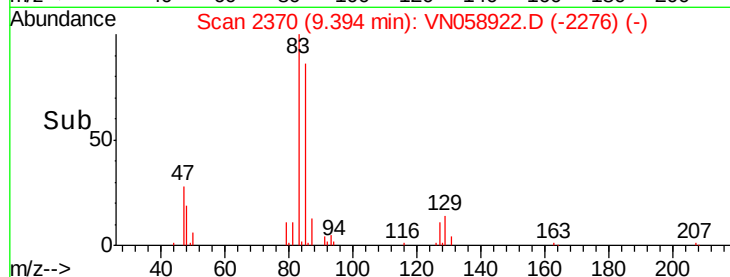
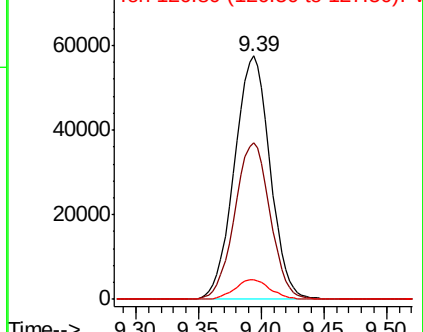
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058922.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058922.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058922.D (-2276) (-)



#48

Methyl methacrylate

Concen: 18.848 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

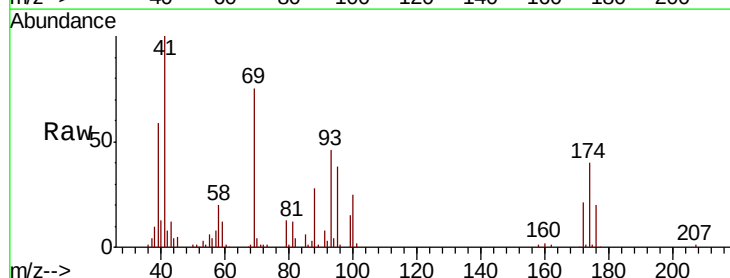
Tgt Ion: 41 Resp: 84130

Ion Ratio Lower Upper

41 100

69 80.0 63.8 95.6

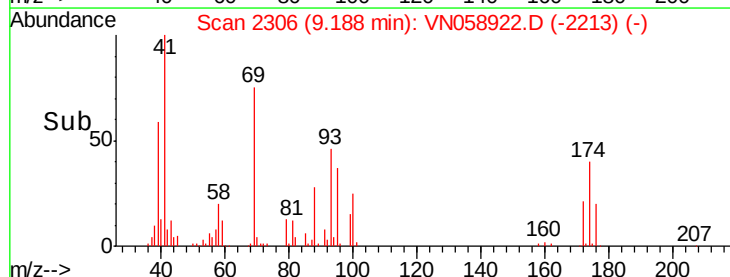
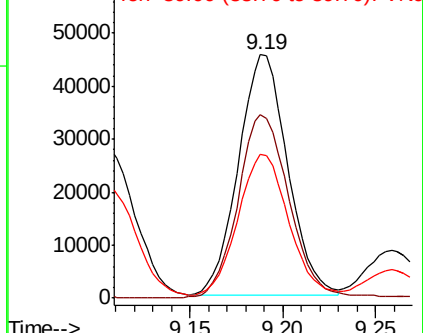
39 61.9 47.8 71.8

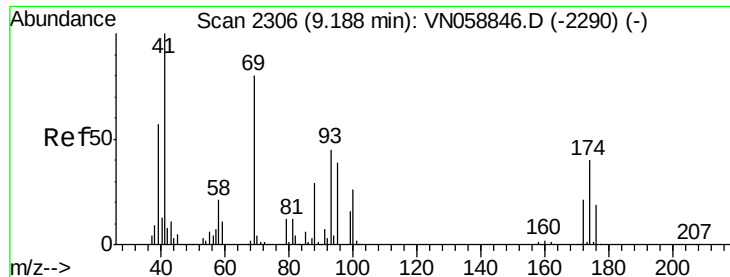


Abundance Ion 41.00 (40.70 to 41.70): VN058922.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058922.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058922.D (-2213) (-)





#49

1,4-Dioxane

Concen: 372.911 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

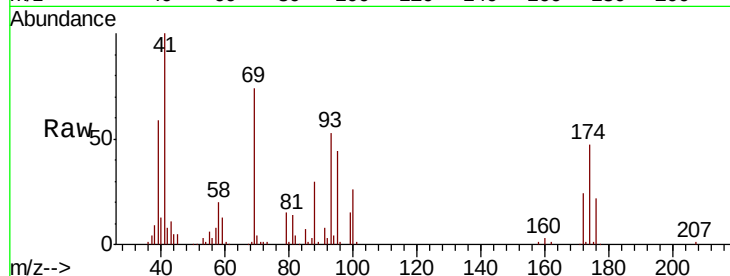
Tot Ion: 88 Resp: 27324

Ion Ratio Lower Upper

88 100

43 38.9 29.1 43.7

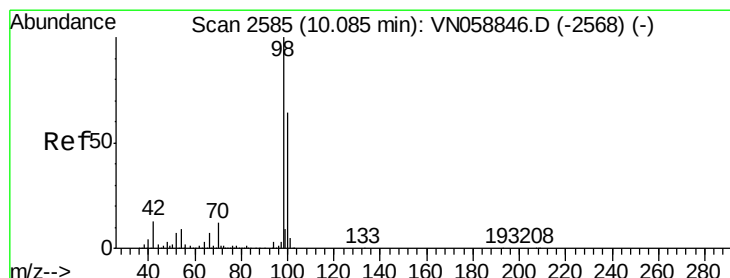
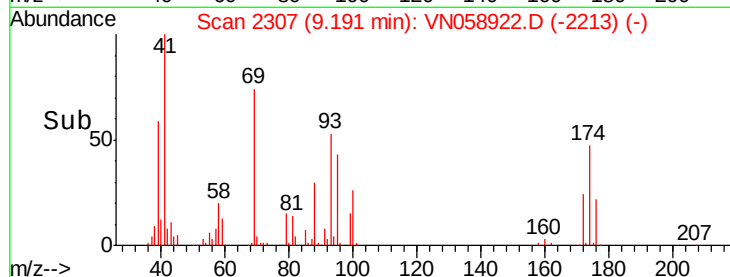
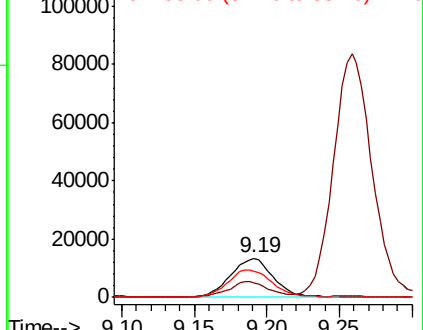
58 74.5 59.4 89.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.652 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058922.D

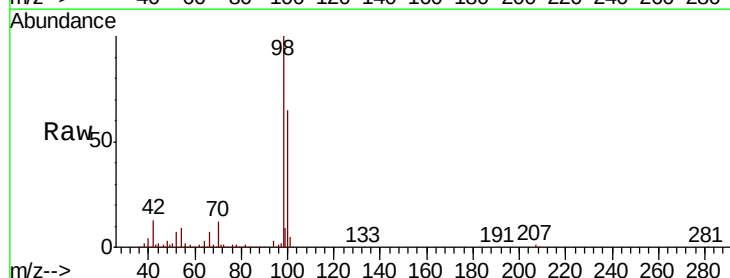
Acq: 23 Oct 2019 12:28

Tgt Ion: 98 Resp: 682800

Ion Ratio Lower Upper

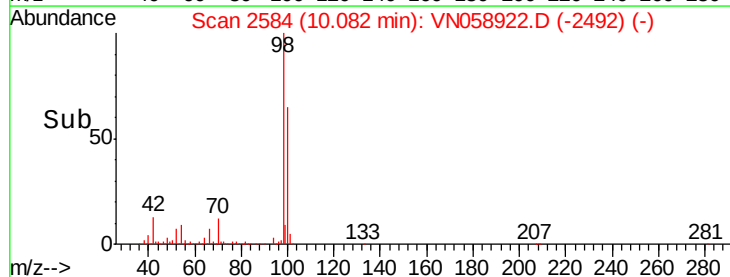
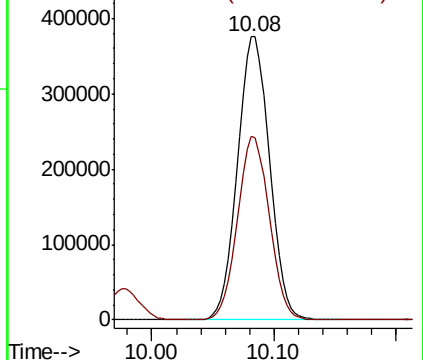
98 100

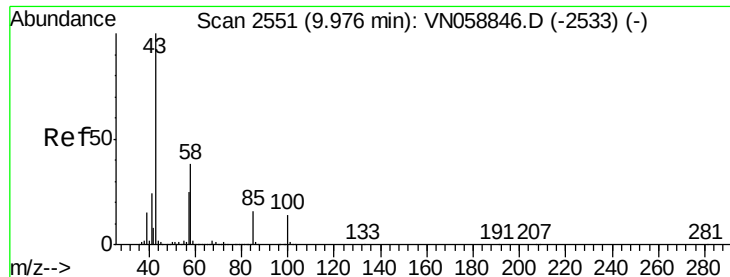
100 64.5 51.4 77.2



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: 102.855 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

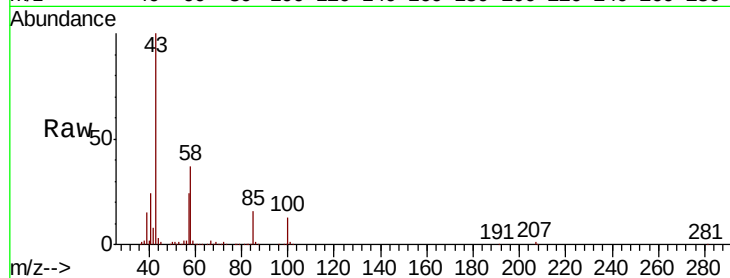
VN1024WBS01

Tot Ion: 43 Resp: 591037

Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9



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

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

9.98

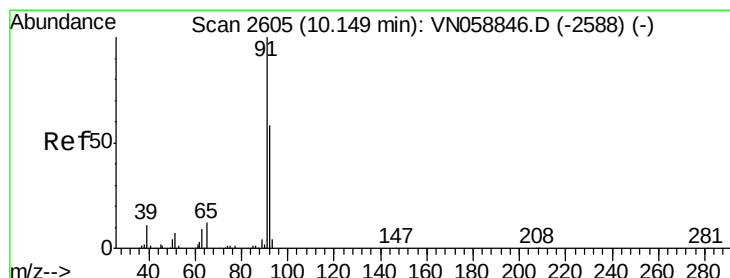
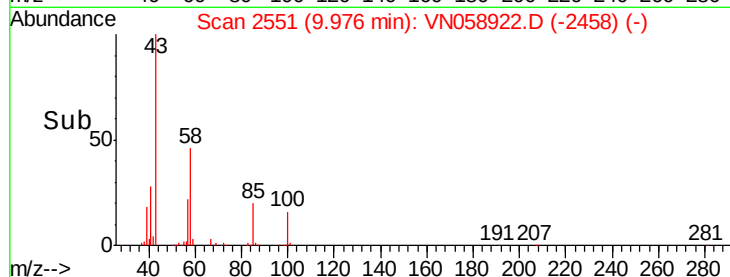
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.689 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058922.D

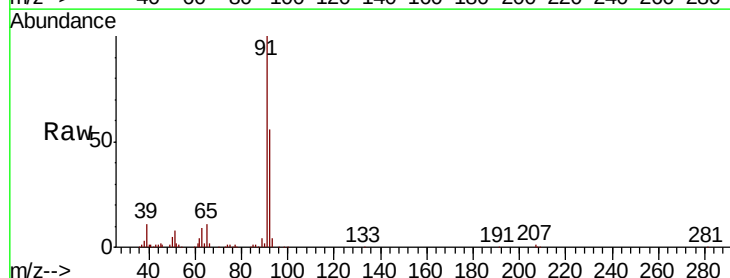
Acq: 23 Oct 2019 12:28

Tgt Ion: 92 Resp: 193019

Ion Ratio Lower Upper

92 100

91 177.5 138.9 208.3



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

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

10.15

200000

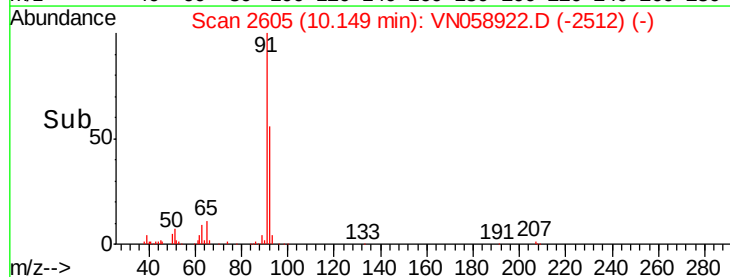
150000

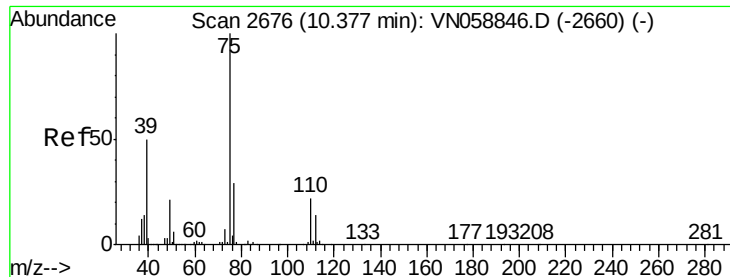
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.930 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

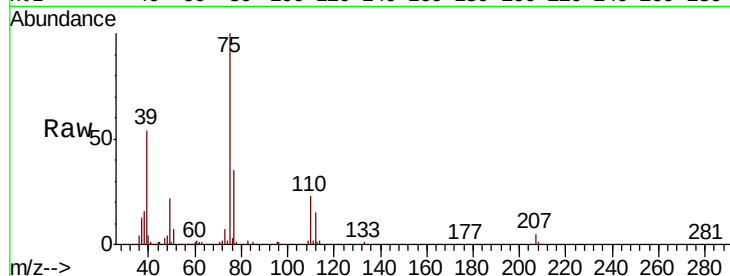
VN1024WBS01

Tot Ion: 75 Resp: 123779

Ion Ratio Lower Upper

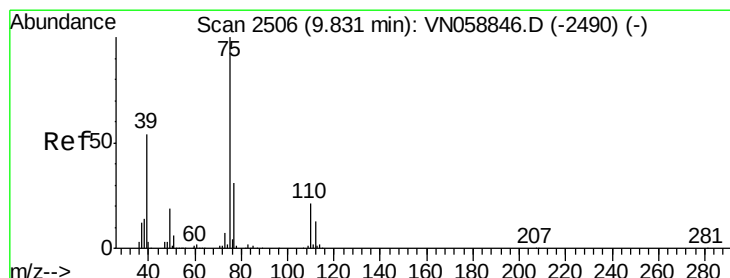
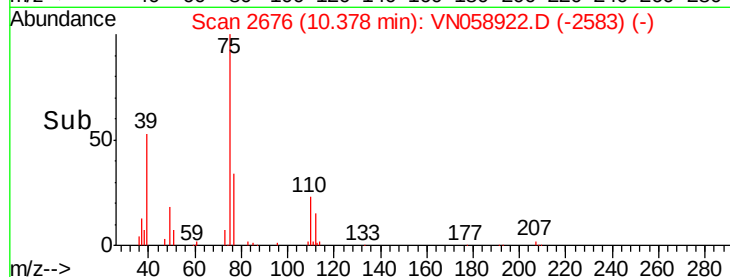
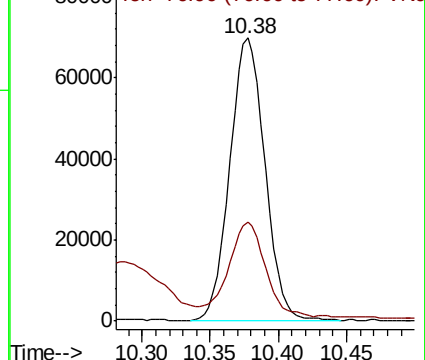
75 100

77 33.3 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: 19.230 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

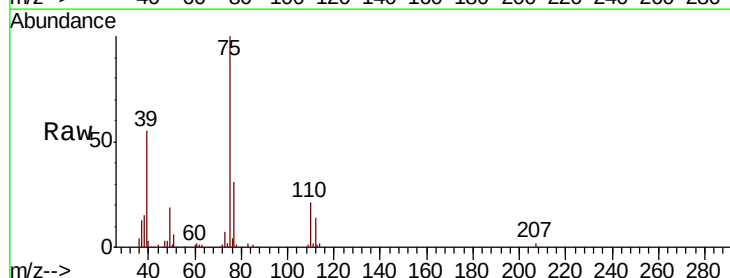
Tgt Ion: 75 Resp: 134334

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1

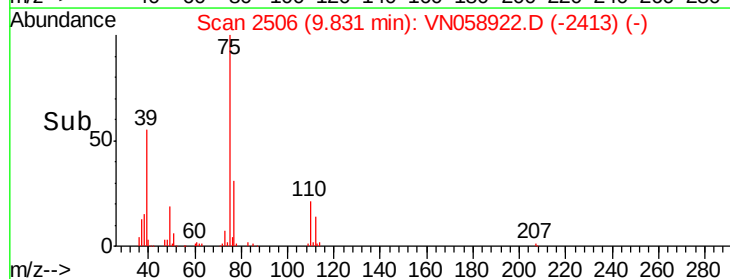
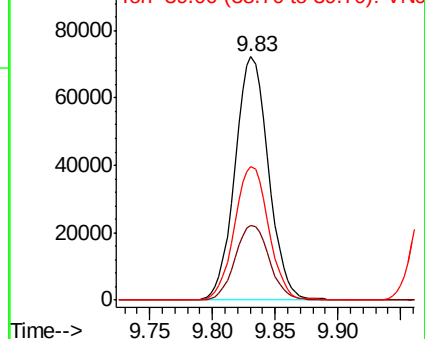
39 54.9 43.5 65.3

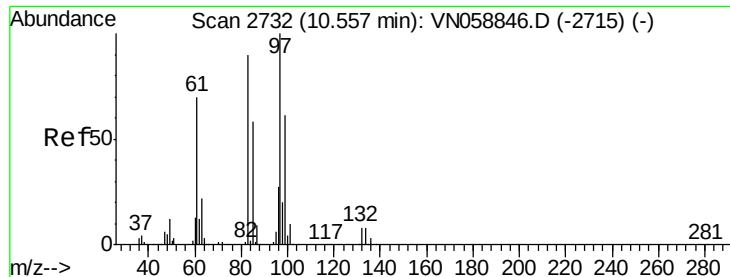


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.459 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 97 Resp: 78587

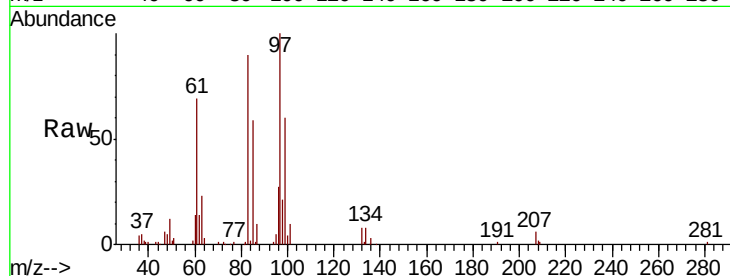
Ion Ratio Lower Upper

97 100

83 90.4 72.2 108.4

85 59.4 46.2 69.2

99 59.8 48.7 73.1

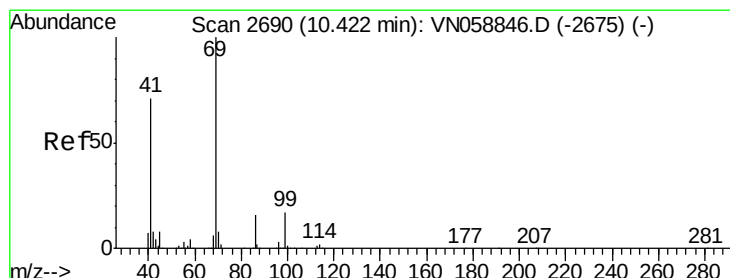
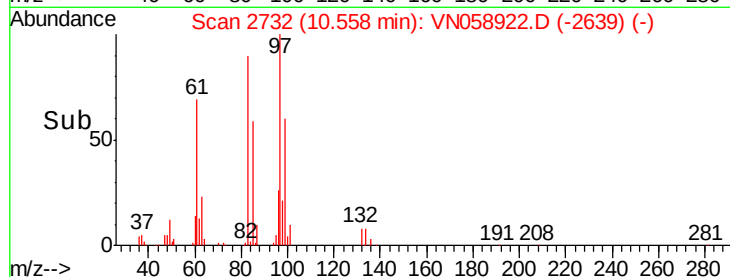
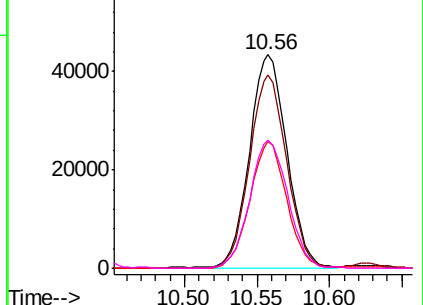


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 18.128 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

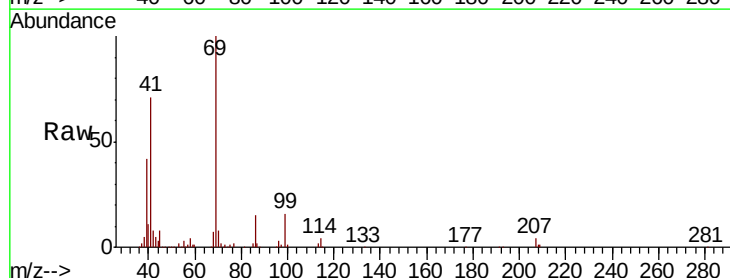
Tgt Ion: 69 Resp: 113514

Ion Ratio Lower Upper

69 100

41 71.1 57.2 85.8

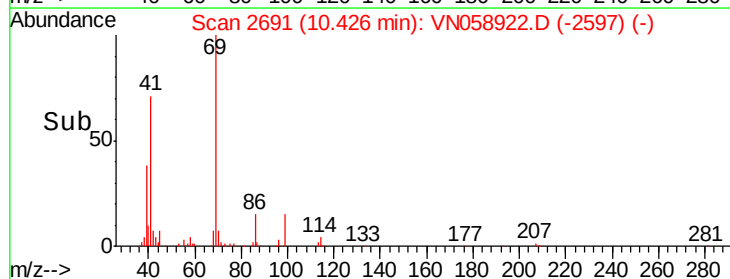
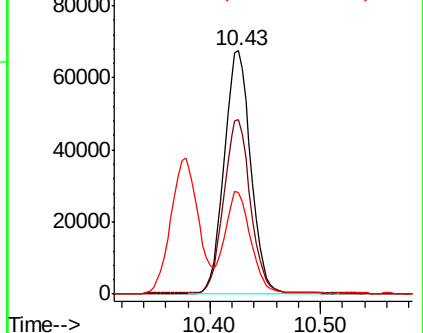
39 40.0 31.0 46.4

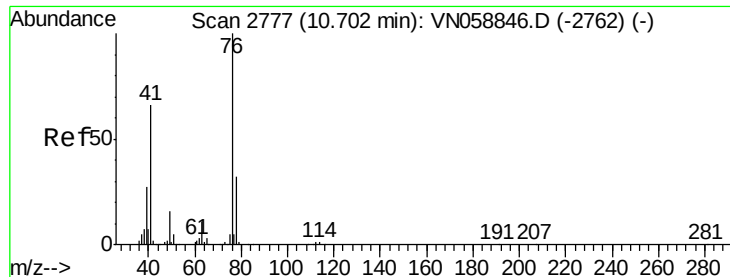


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.517 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

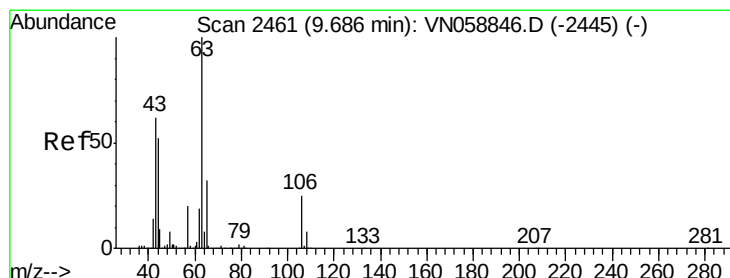
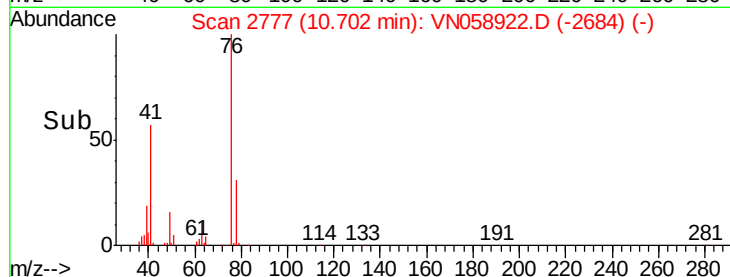
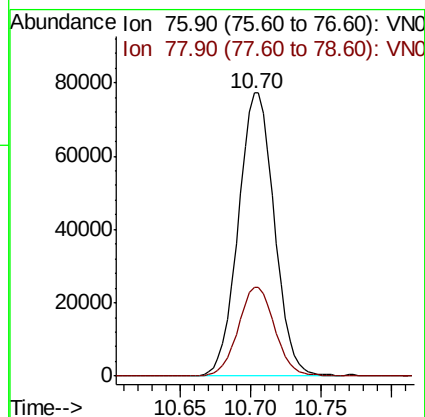
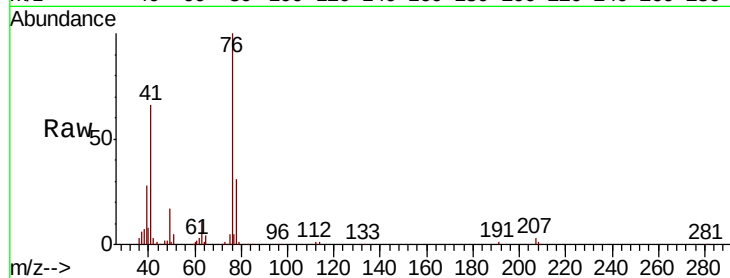
VN1024WBS01

Tot Ion: 76 Resp: 138342

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 91.064 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058922.D

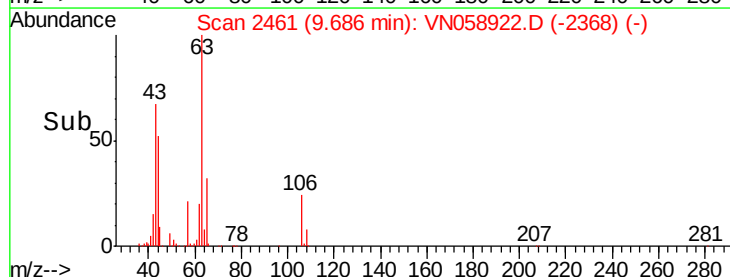
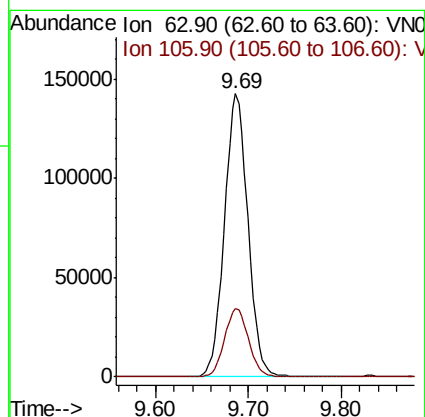
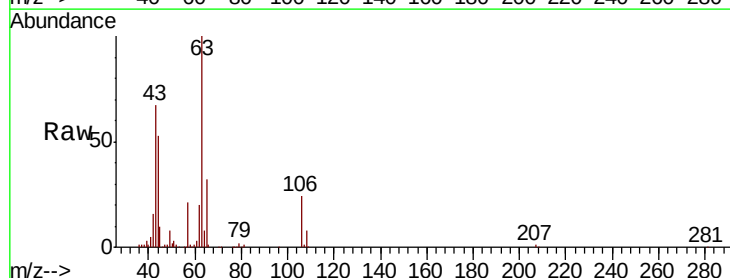
Acq: 23 Oct 2019 12:28

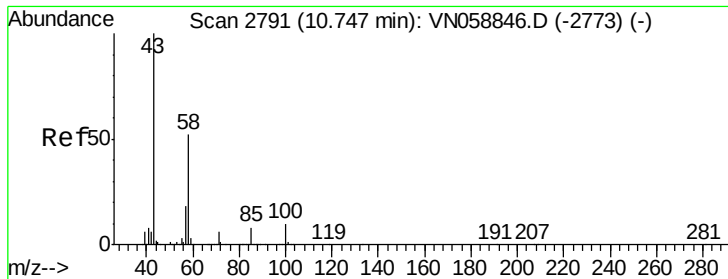
Tgt Ion: 63 Resp: 250316

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

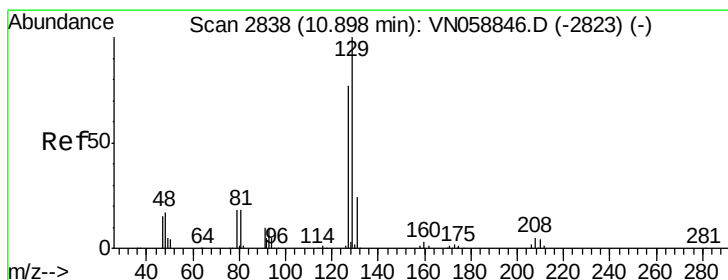
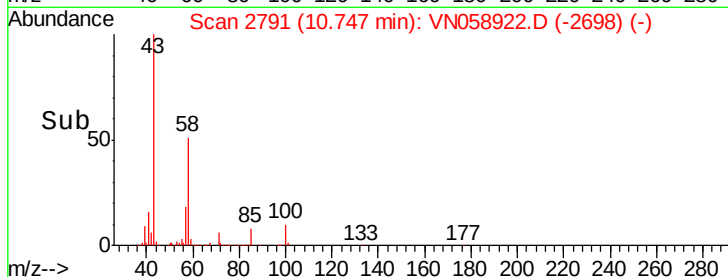
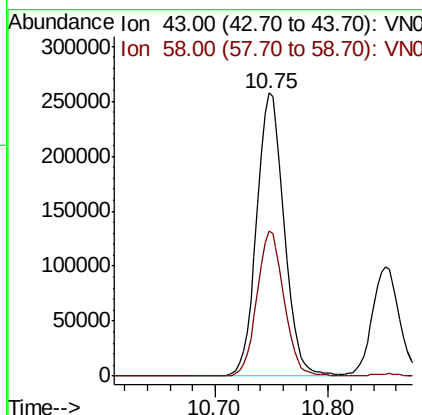
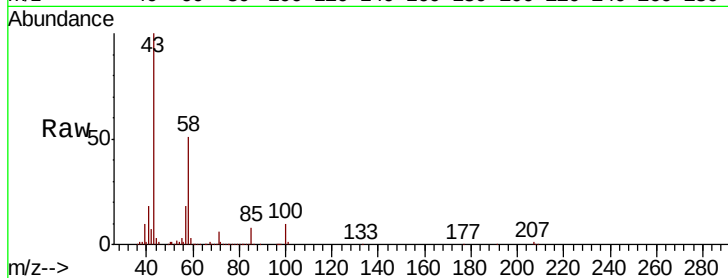




#59
2-Hexanone
Concen: 97.891 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

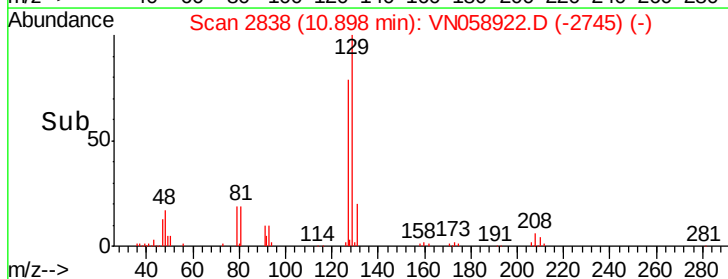
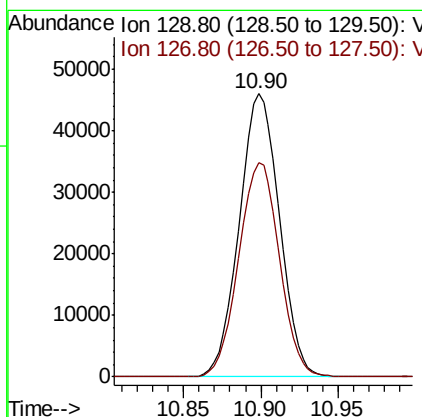
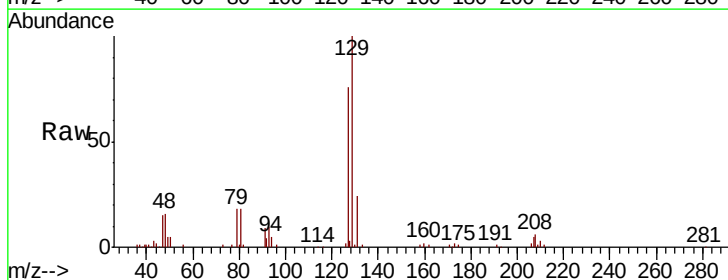
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

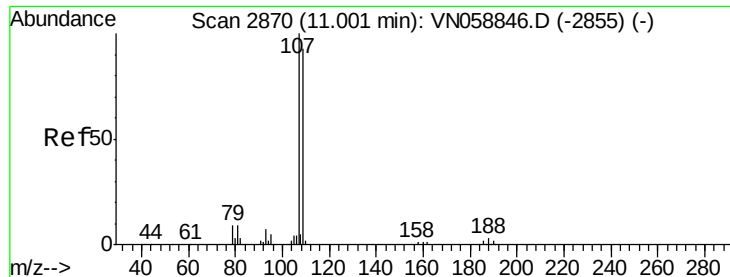
Tot Ion: 43 Resp: 434670
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 19.176 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 129 Resp: 83356
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.286 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

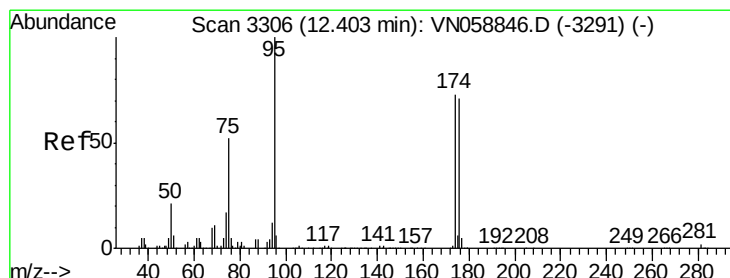
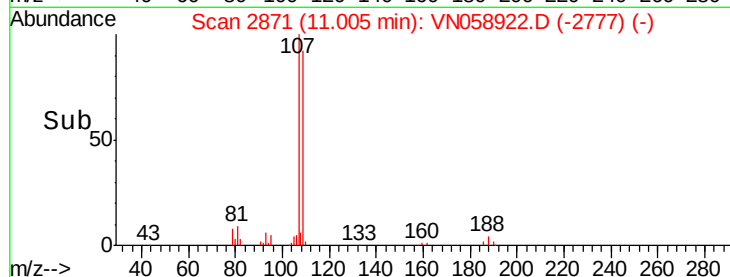
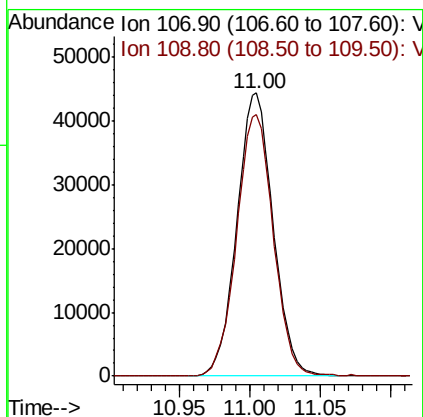
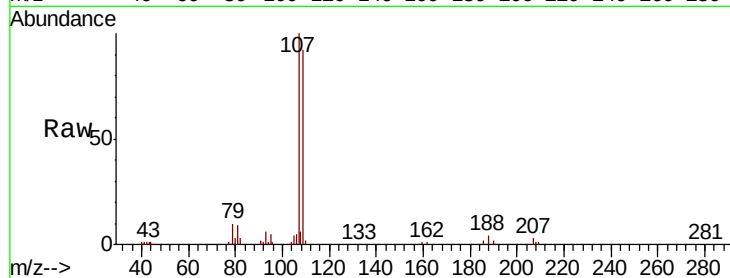
VN1024WBS01

Tot Ion:107 Resp: 79711

Ion Ratio Lower Upper

107 100

109 93.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 47.417 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

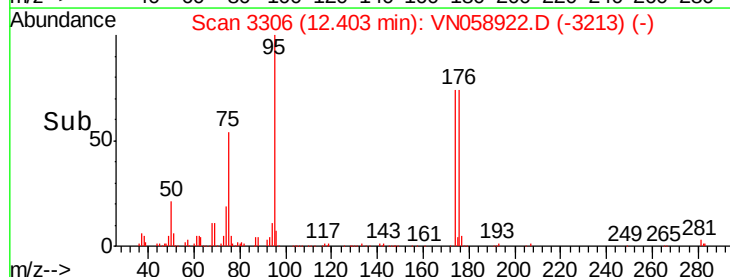
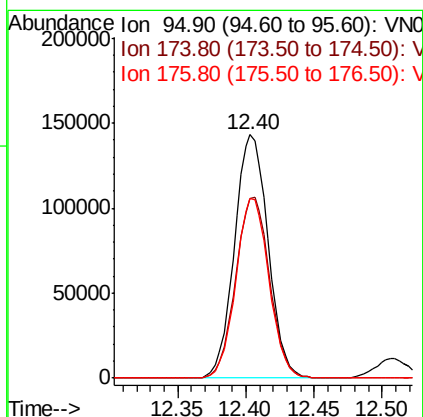
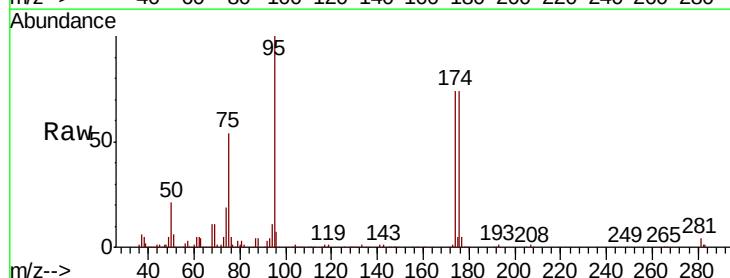
Tgt Ion: 95 Resp: 244379

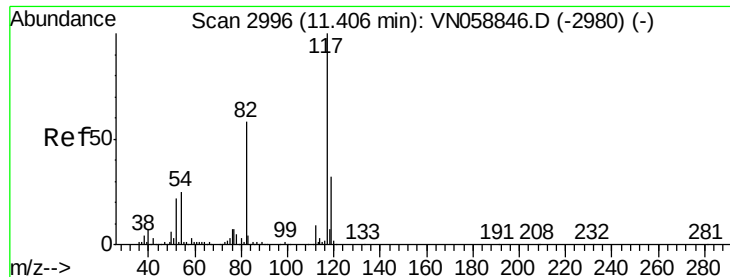
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

176 72.7 0.0 143.2

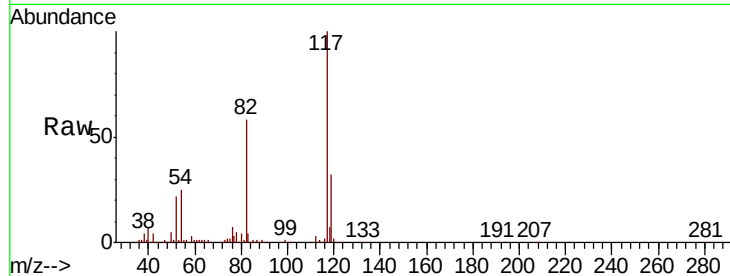




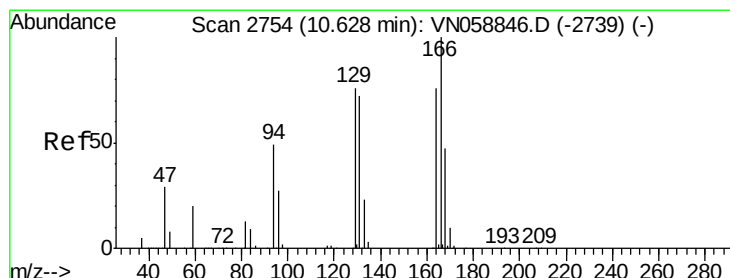
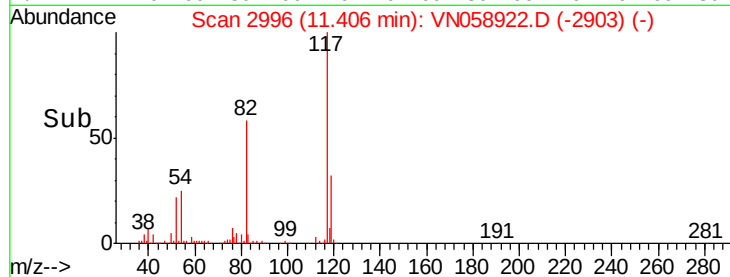
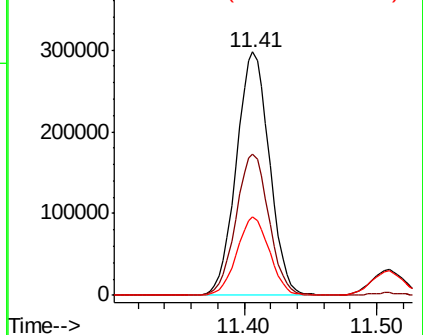
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion:117 Resp: 514892
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.2 25.6 38.4

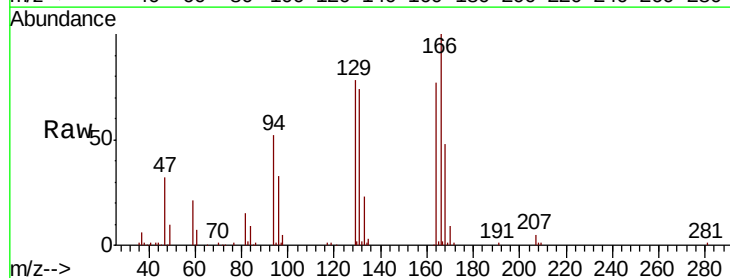


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

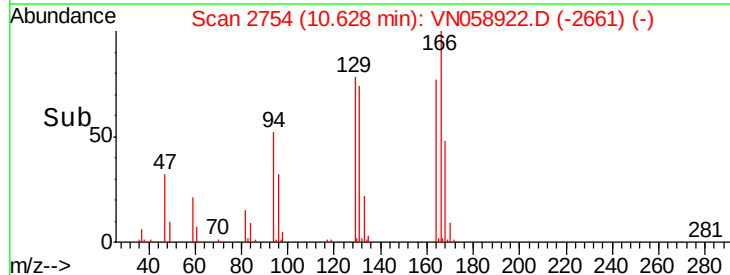
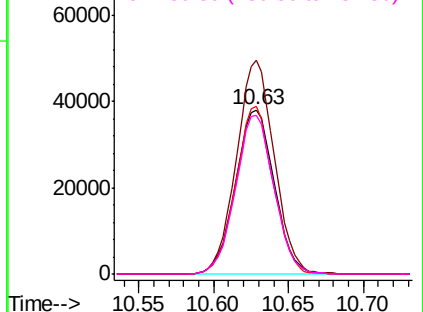


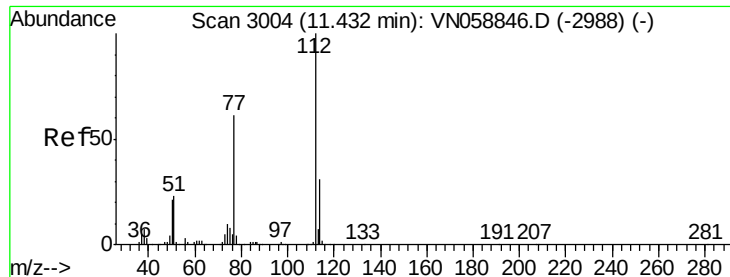
#64
Tetrachloroethene
Concen: 19.023 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:164 Resp: 68596
Ion Ratio Lower Upper
164 100
166 129.9 104.8 157.2
129 101.9 79.3 118.9
131 96.4 75.8 113.6



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

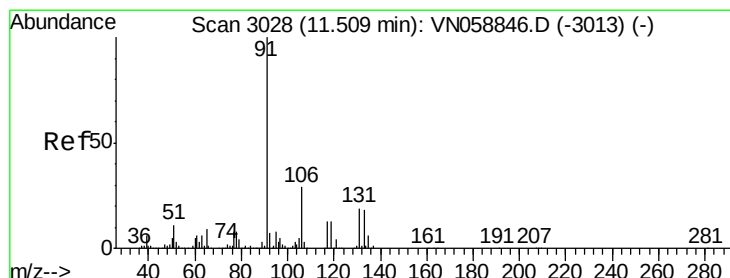
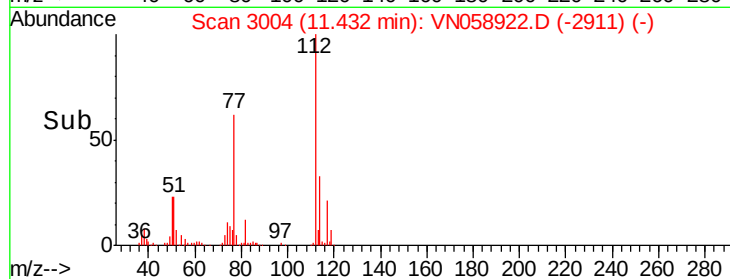
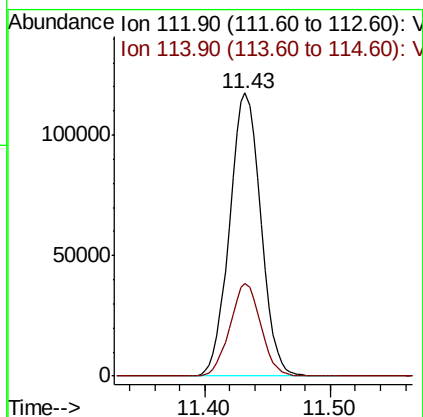
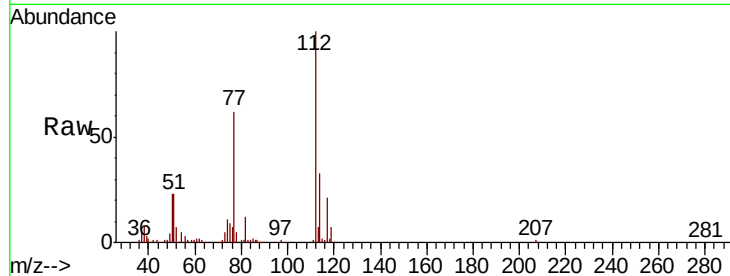




#65
Chlorobenzene
Concen: 19.393 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

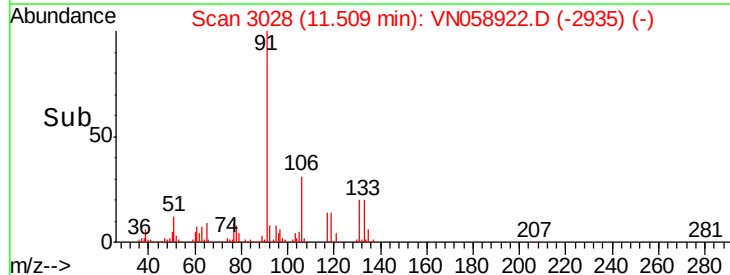
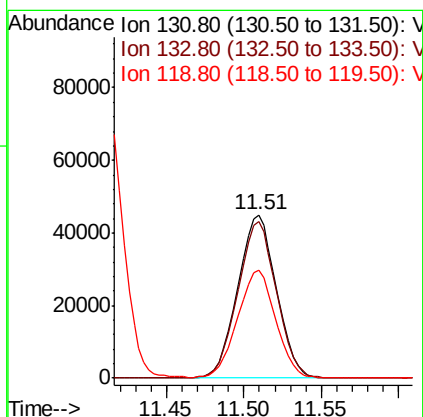
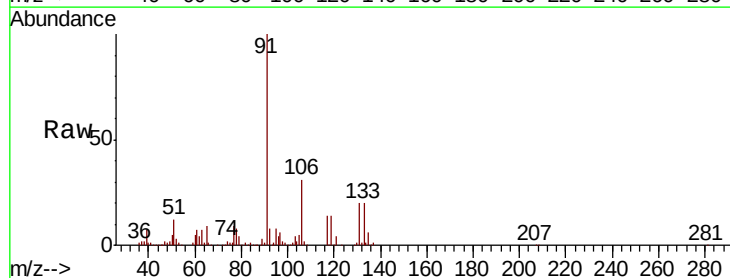
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

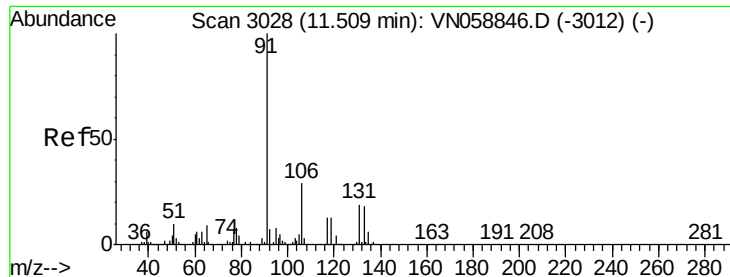
Tot Ion:112 Resp: 203284
Ion Ratio Lower Upper
112 100
114 32.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.661 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:131 Resp: 77771
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 65.5 33.6 100.8





#67

Ethyl Benzene

Concen: 19.587 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

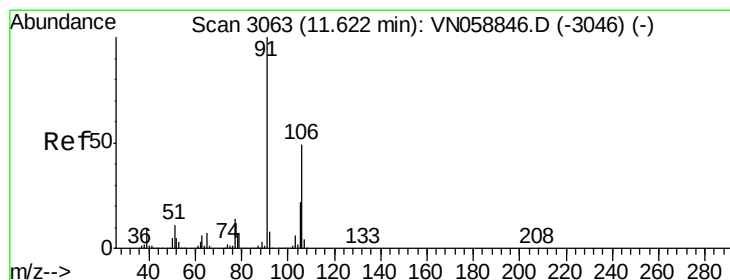
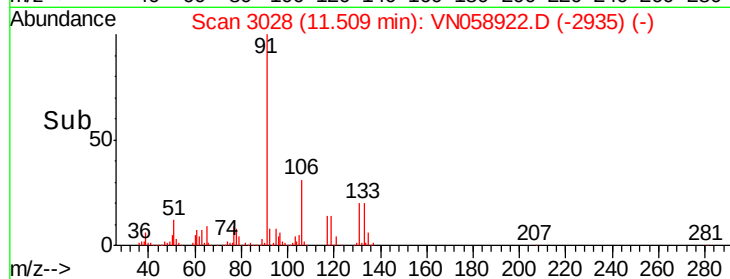
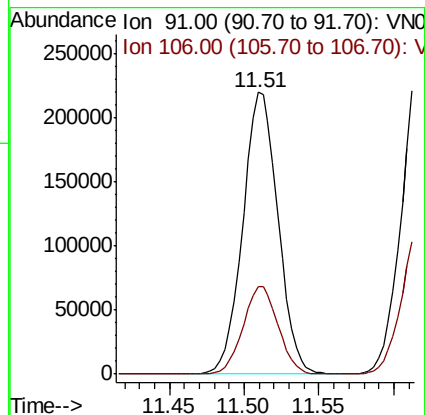
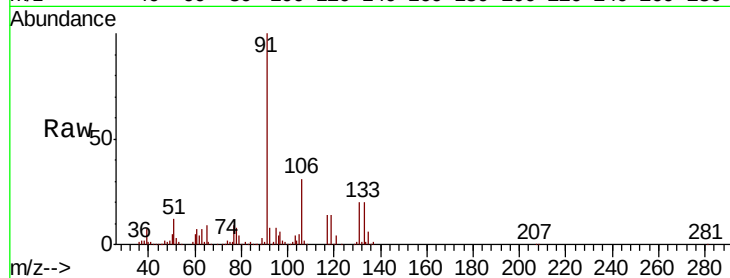
VN1024WBS01

Tot Ion: 91 Resp: 360174

Ion Ratio Lower Upper

91 100

106 31.1 23.4 35.0



#68

m/p-Xylenes

Concen: 39.032 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058922.D

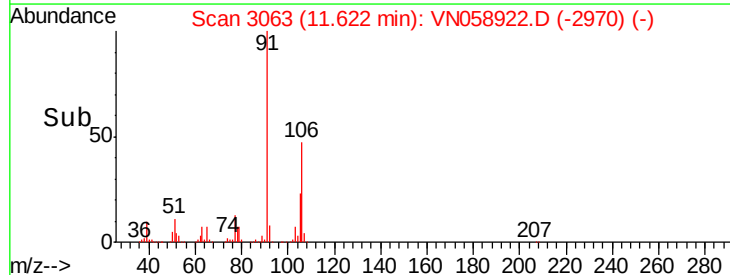
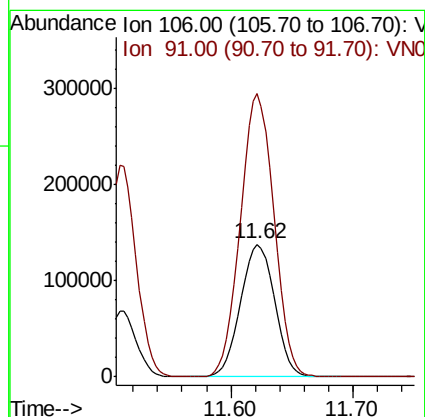
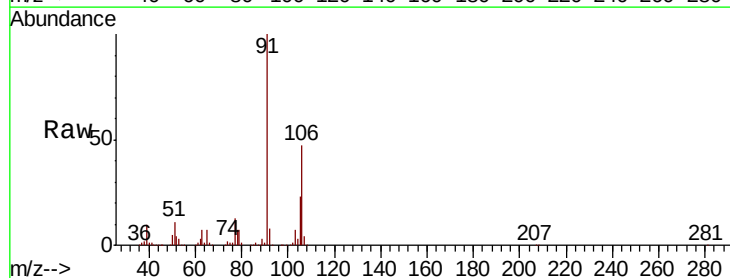
Acq: 23 Oct 2019 12:28

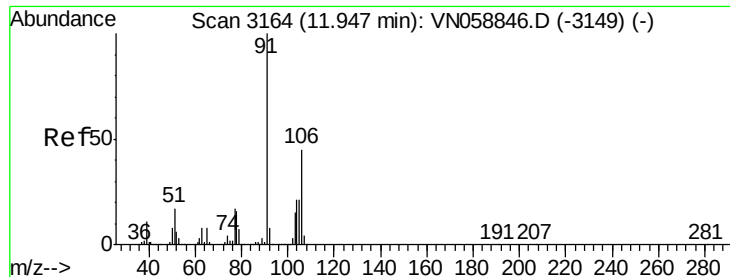
Tgt Ion: 106 Resp: 266176

Ion Ratio Lower Upper

106 100

91 210.0 166.6 249.8

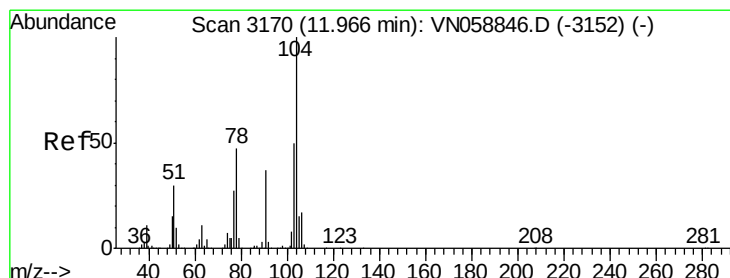
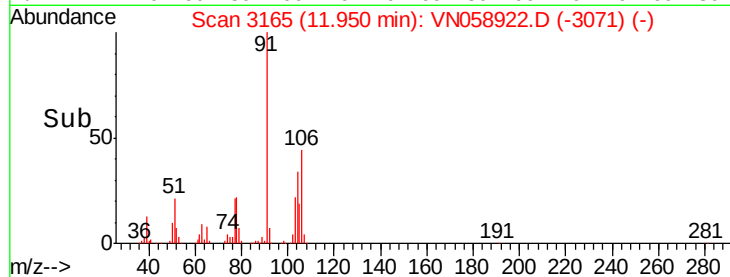
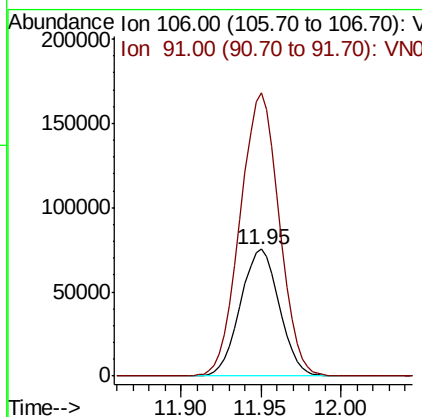
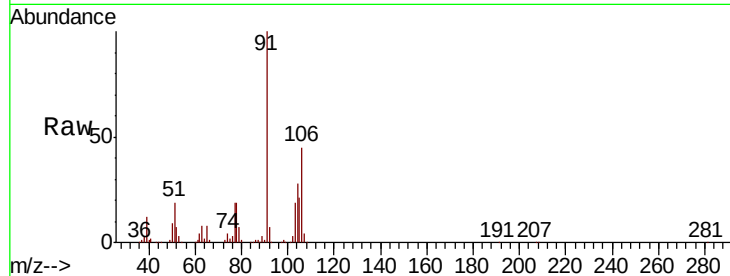




#69
o-Xylene
Concen: 19.323 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

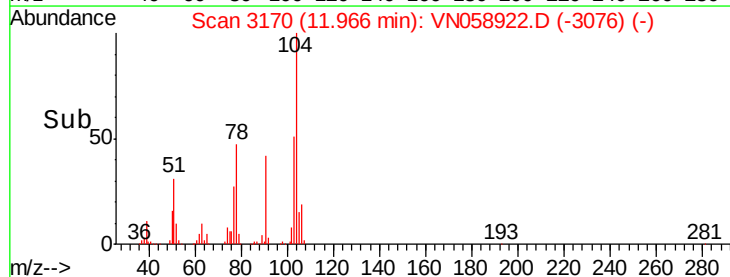
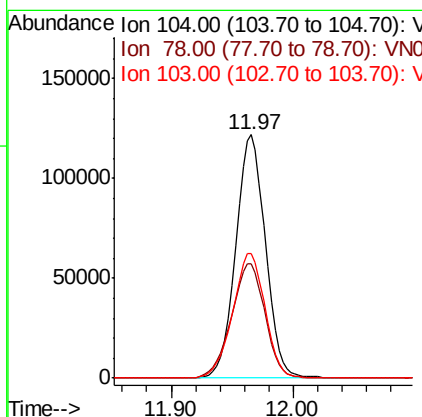
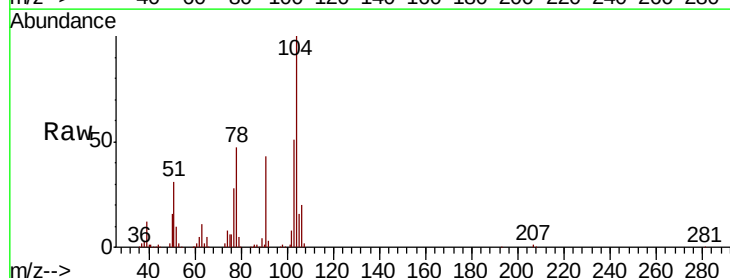
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

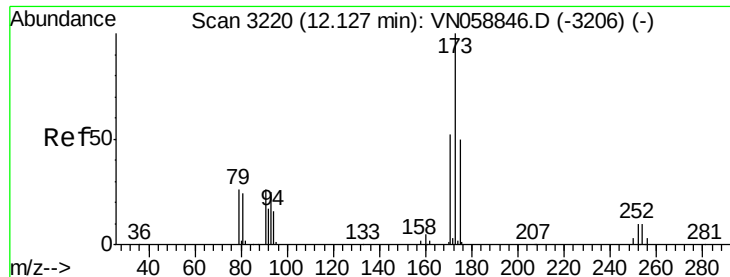
Tot Ion:106 Resp: 125675
Ion Ratio Lower Upper
106 100
91 223.7 111.5 334.4



#70
Styrene
Concen: 18.193 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:104 Resp: 204864
Ion Ratio Lower Upper
104 100
78 53.3 42.8 64.2
103 56.4 44.3 66.5





#71

Bromoform

Concen: 18.618 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

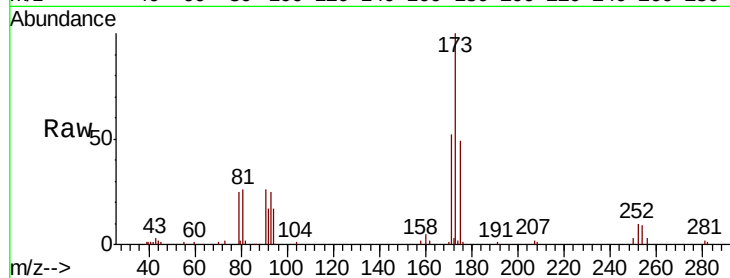
Tot Ion:173 Resp: 57110

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

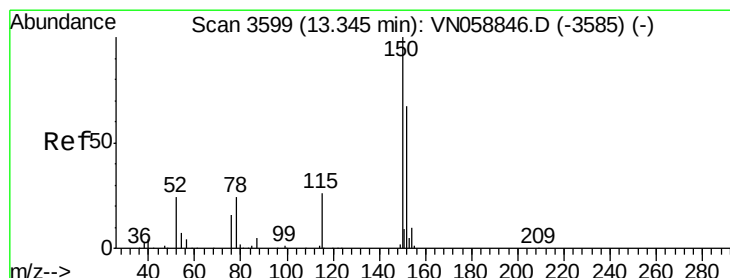
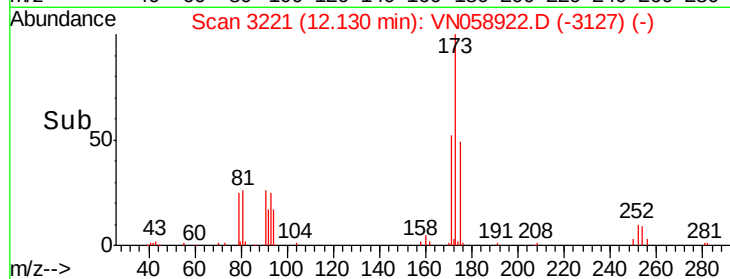
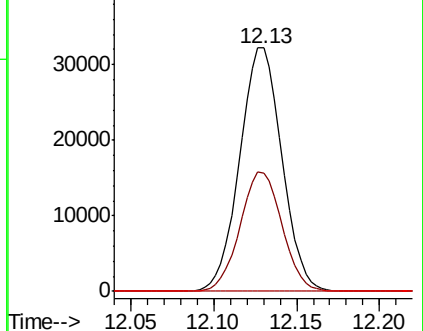
254 0.0 0.0 0.0



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: VN058922.D

Acq: 23 Oct 2019 12:28

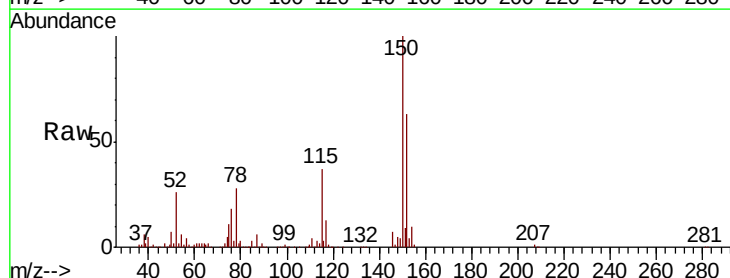
Tgt Ion:152 Resp: 237735

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

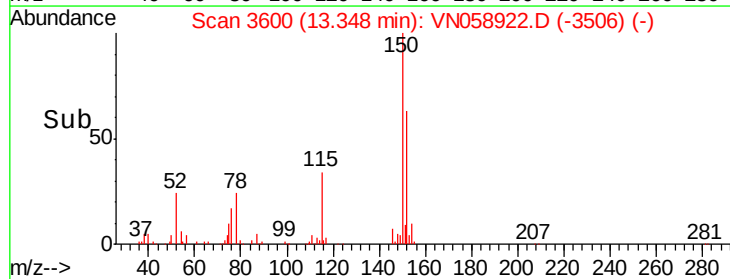
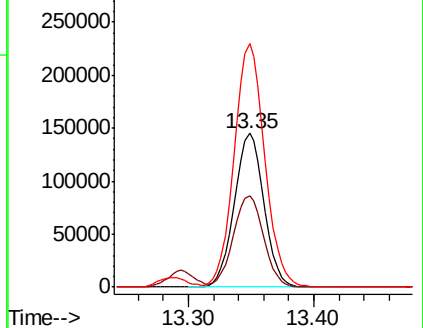
150 162.9 0.0 344.4

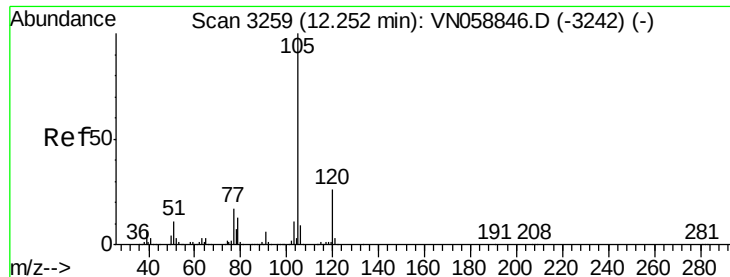


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

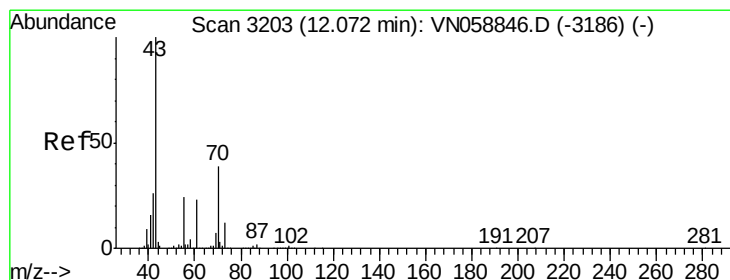
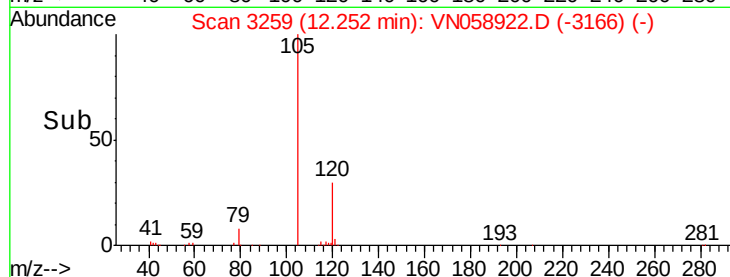
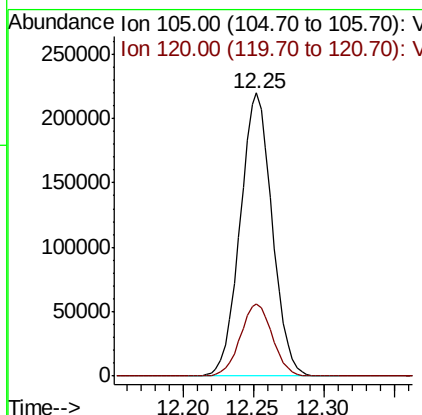
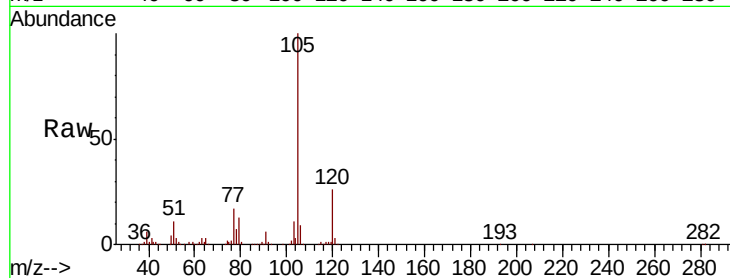




#73
Isopropylbenzene
Concen: 20.094 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

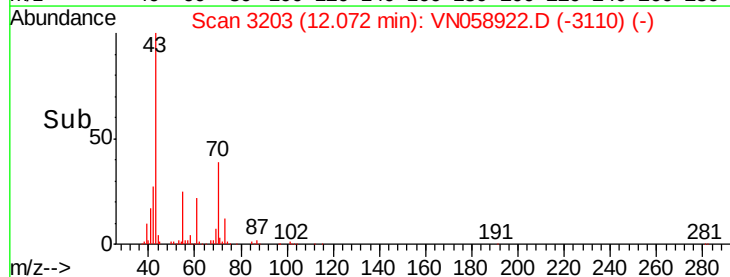
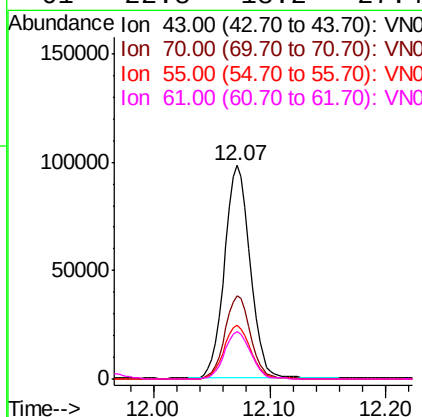
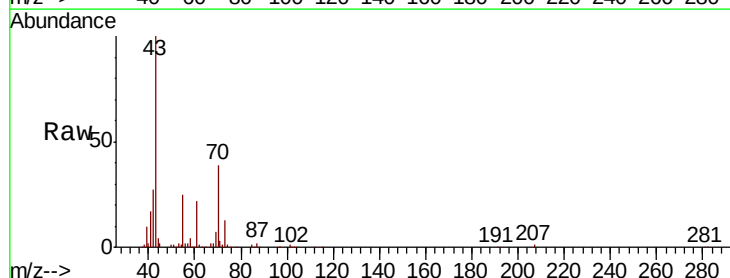
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

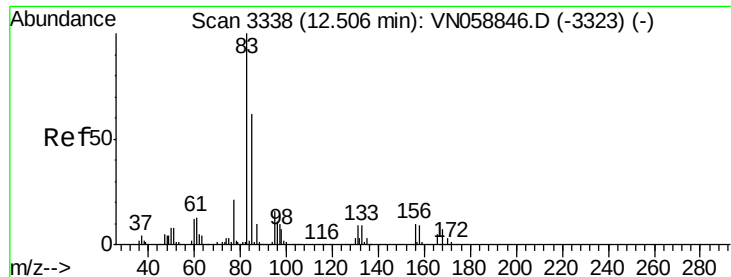
Tot Ion:105 Resp: 349118
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4



#74
N-ethyl acetate
Concen: 19.060 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 150130
Ion Ratio Lower Upper
43 100
70 39.1 30.9 46.3
55 26.4 19.7 29.5
61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

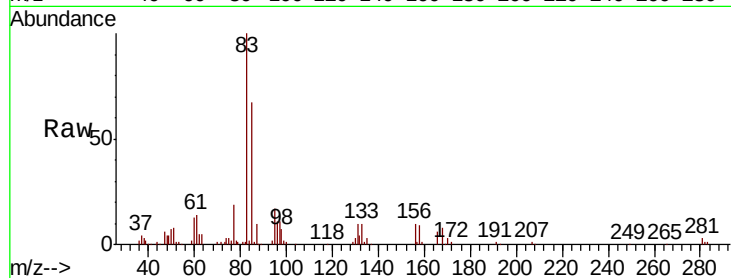
Tot Ion: 83 Resp: 120109

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

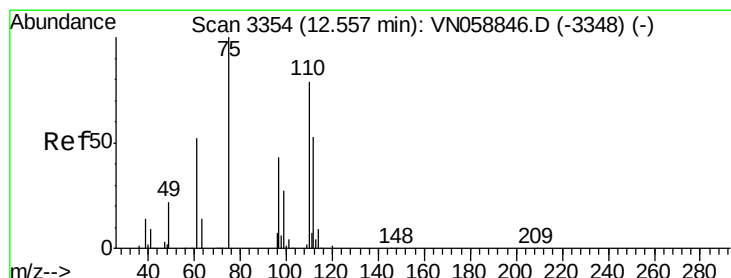
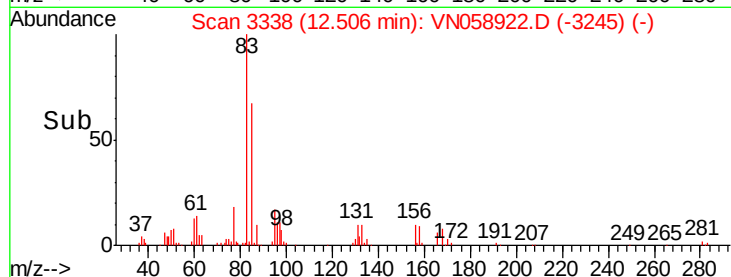
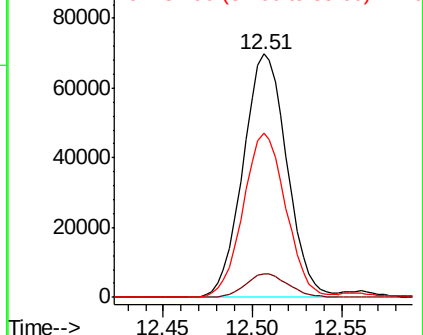
85 65.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.721 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058922.D

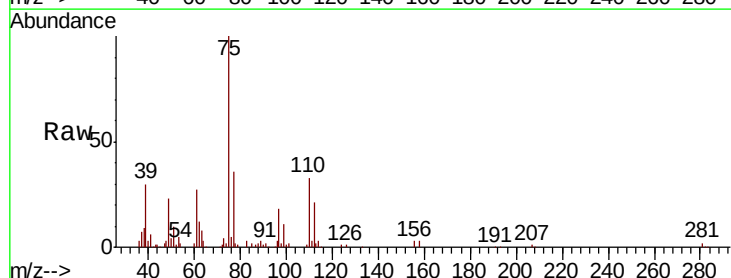
Acq: 23 Oct 2019 12:28

Tgt Ion: 75 Resp: 158248

Ion Ratio Lower Upper

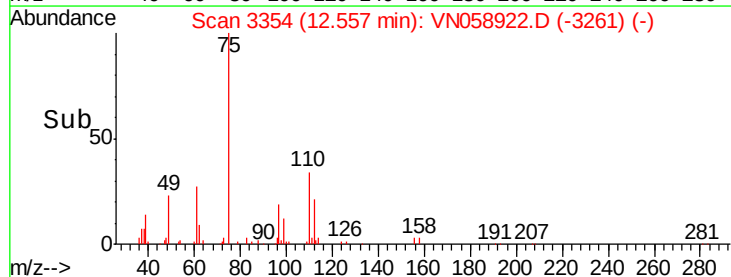
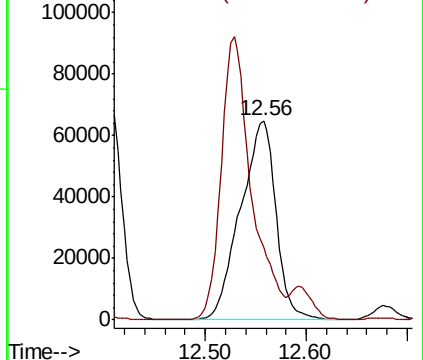
75 100

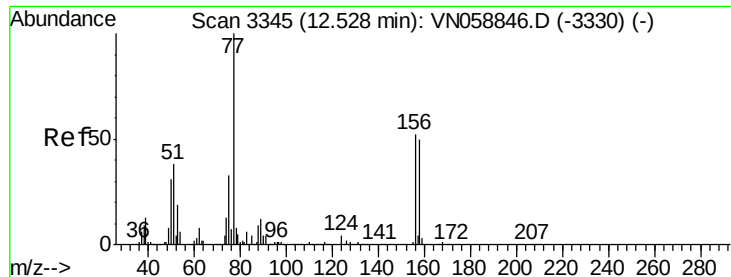
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.636 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

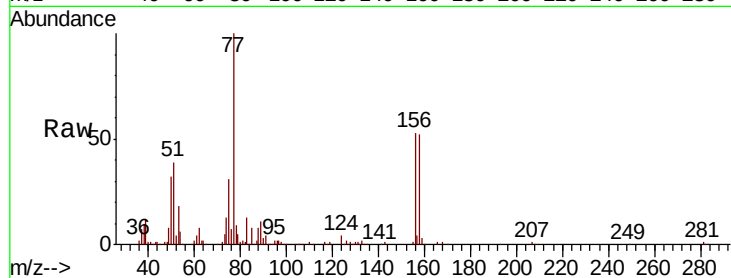
Tot Ion:156 Resp: 84088

Ion Ratio Lower Upper

156 100

77 230.7 118.0 354.0

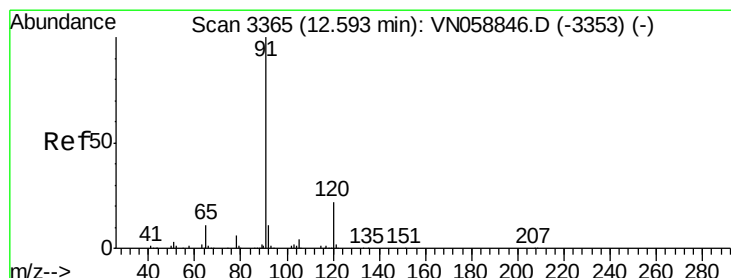
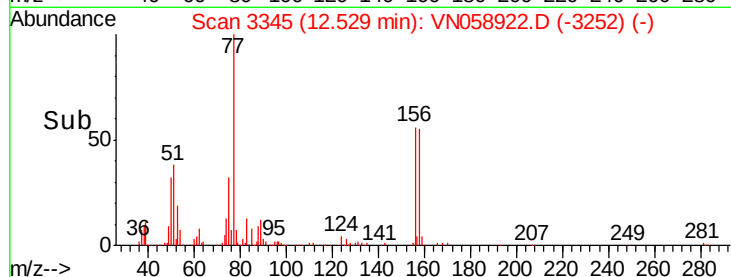
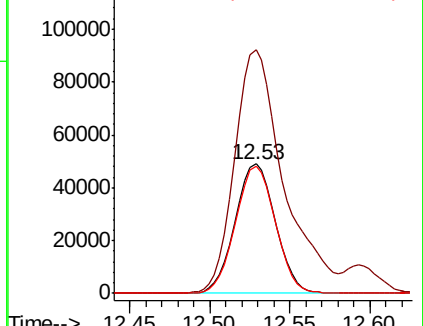
158 97.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.911 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058922.D

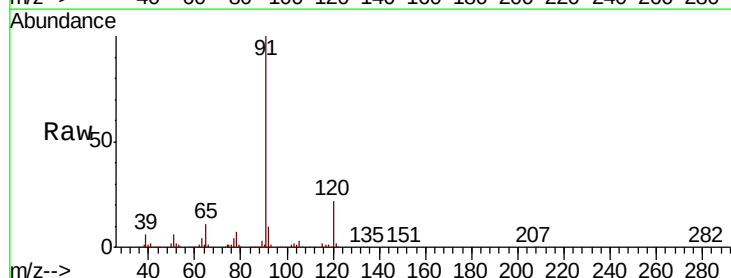
Acq: 23 Oct 2019 12:28

Tgt Ion: 91 Resp: 408910

Ion Ratio Lower Upper

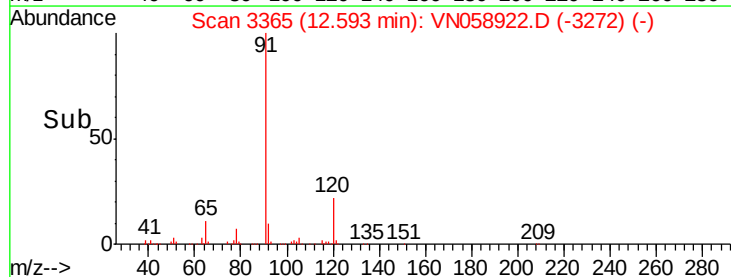
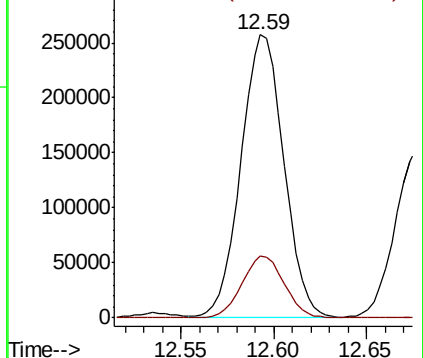
91 100

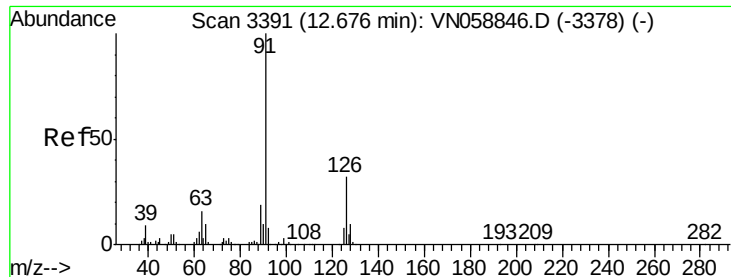
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.788 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

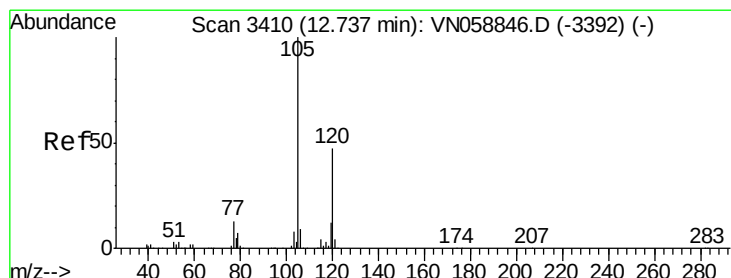
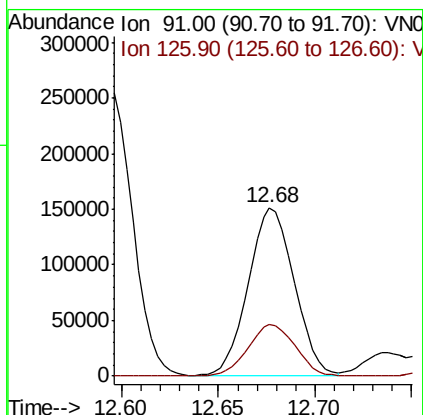
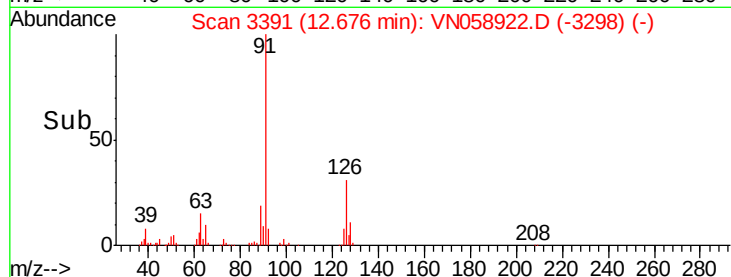
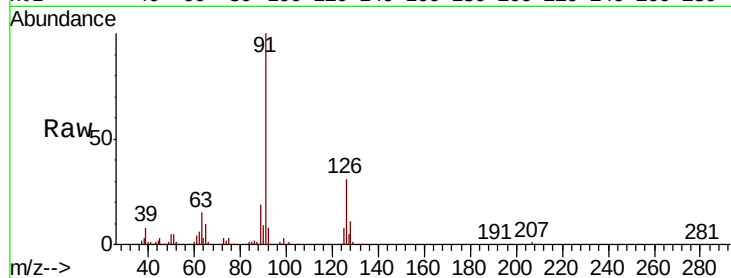
VN1024WBS01

Tot Ion: 91 Resp: 248723

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 20.266 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058922.D

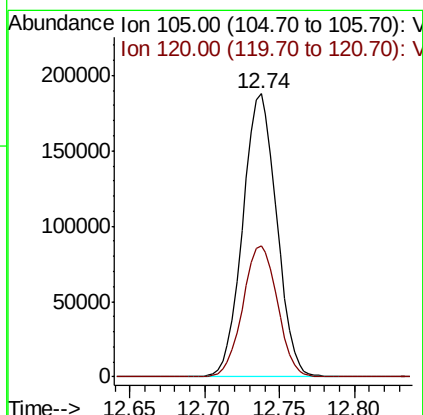
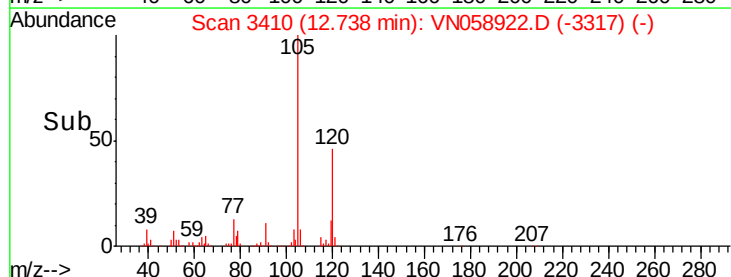
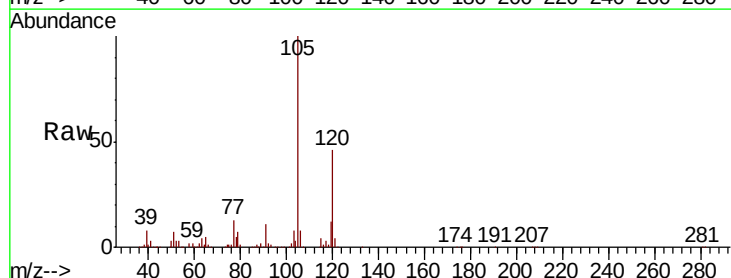
Acq: 23 Oct 2019 12:28

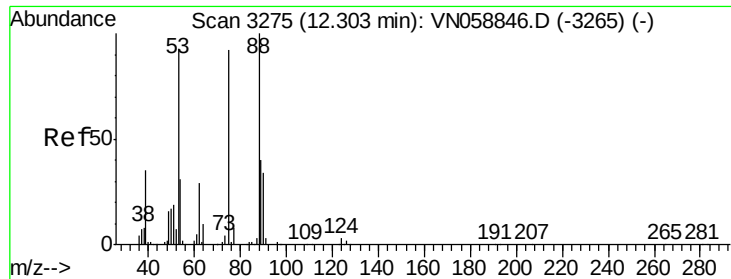
Tgt Ion: 105 Resp: 295831

Ion Ratio Lower Upper

105 100

120 47.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.813 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

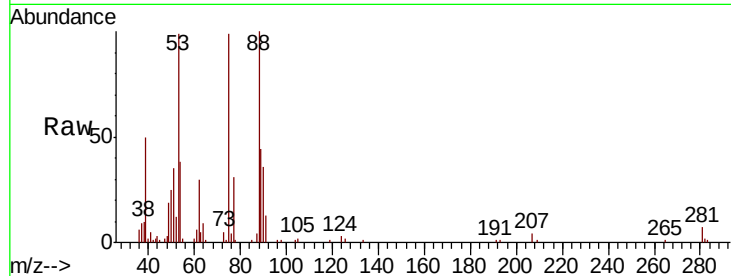
MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 75 Resp: 39790

Ion	Ratio	Lower	Upper
75	100		
53	101.3	78.6	118.0
89	44.9	35.4	53.0

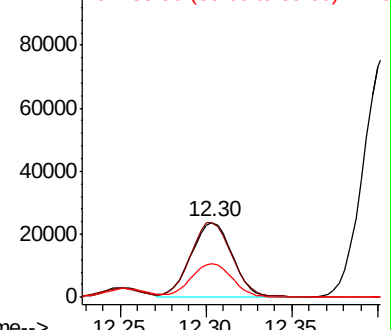


Abundance

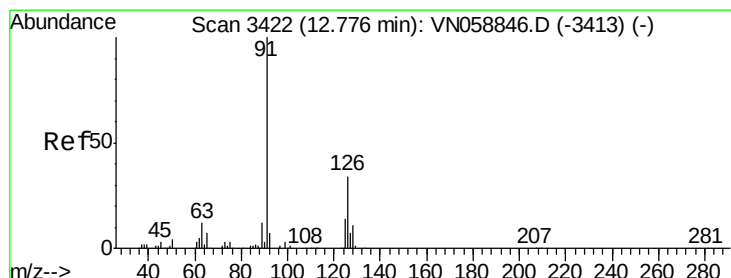
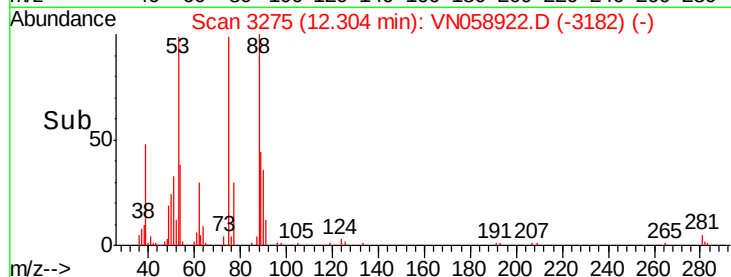
Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 19.494 ug/l

RT: 12.78 min Scan# 3422

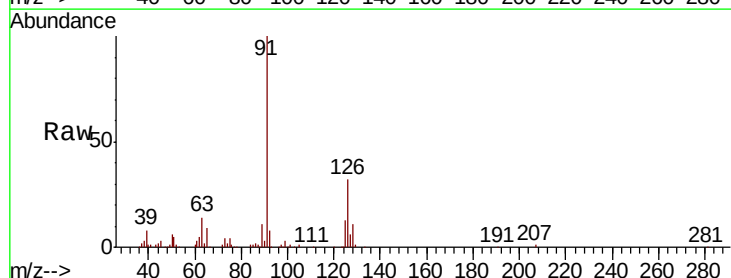
Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion: 91 Resp: 250397

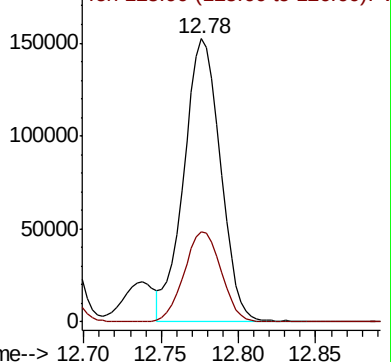
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9



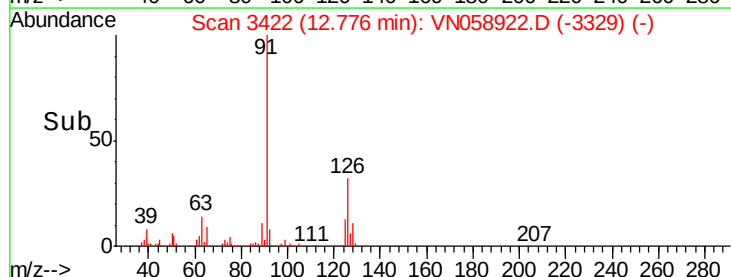
Abundance

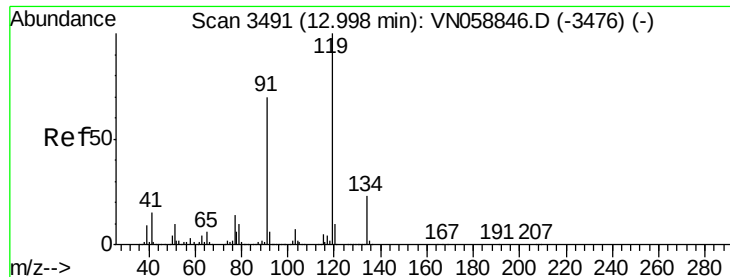
Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->

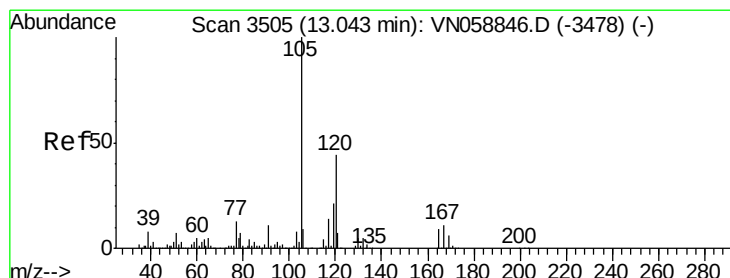
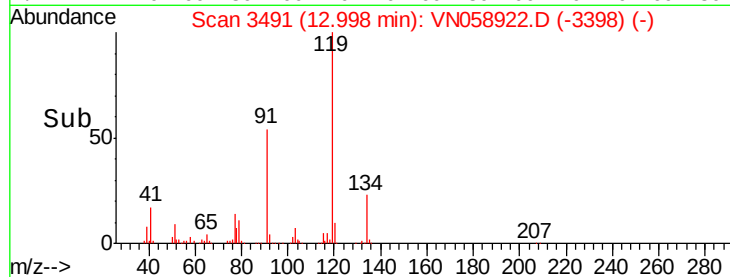
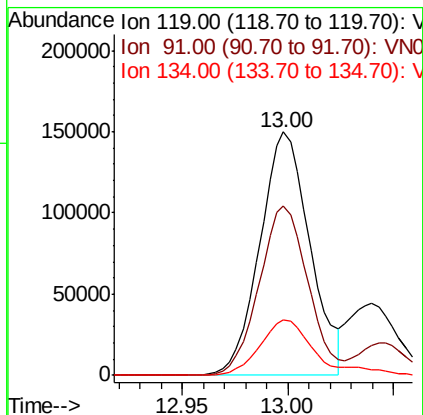
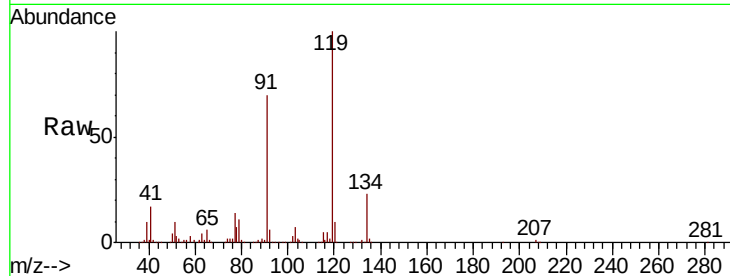




#83
 tert-Butylbenzene
 Concen: 19.829 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

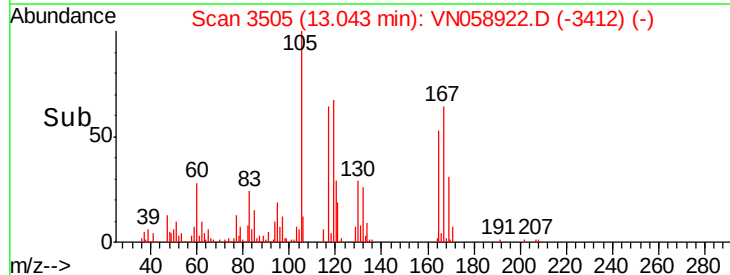
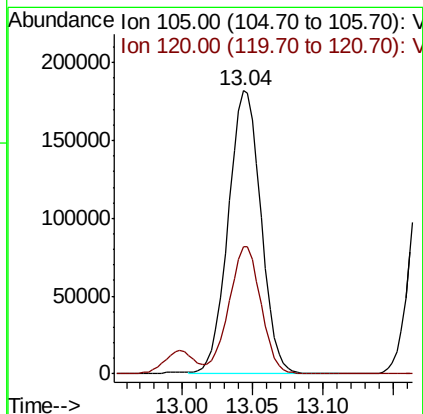
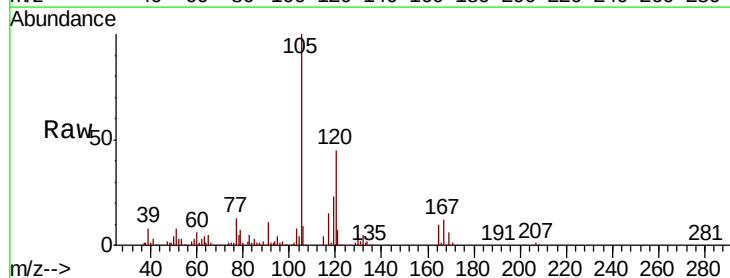
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

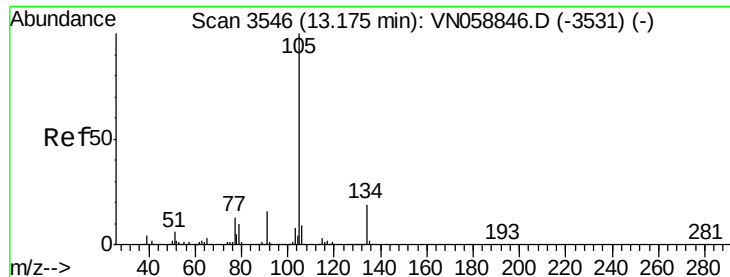
Tot Ion:119 Resp: 247516
 Ion Ratio Lower Upper
 119 100
 91 68.1 34.1 102.3
 134 25.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.435 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion:105 Resp: 294219
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.181 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

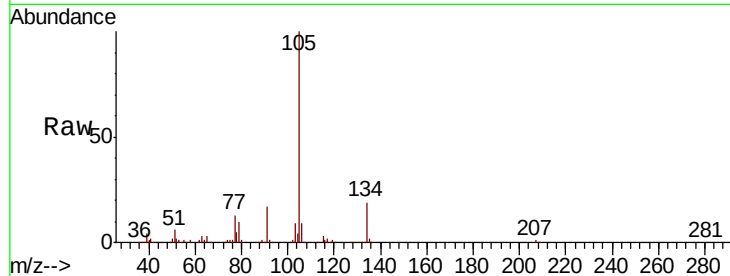
VN1024WBS01

Tot Ion:105 Resp: 335865

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

13.18

200000

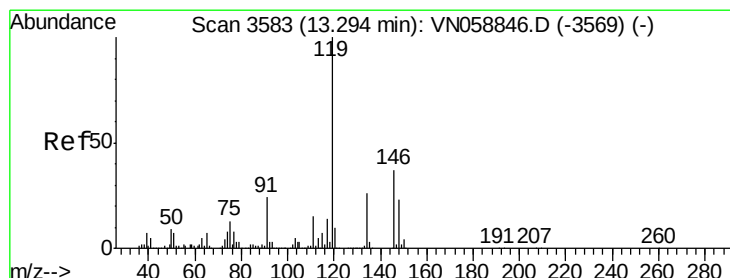
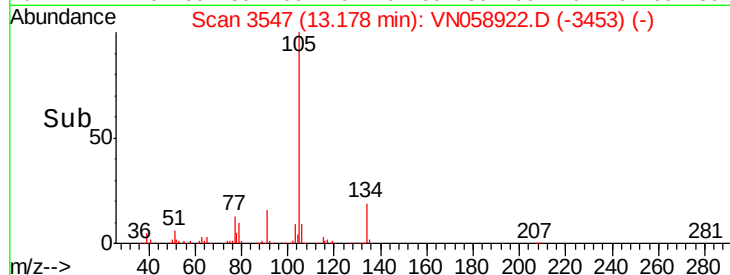
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.899 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

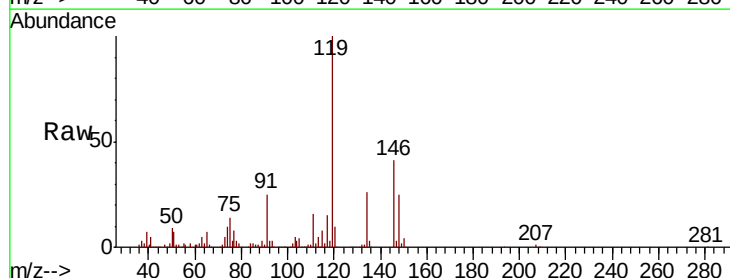
Tgt Ion:119 Resp: 292207

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.7 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

13.29

200000

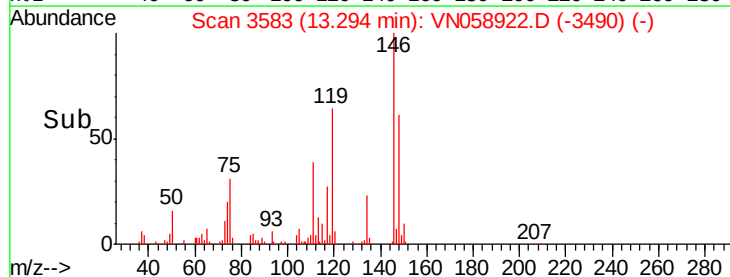
150000

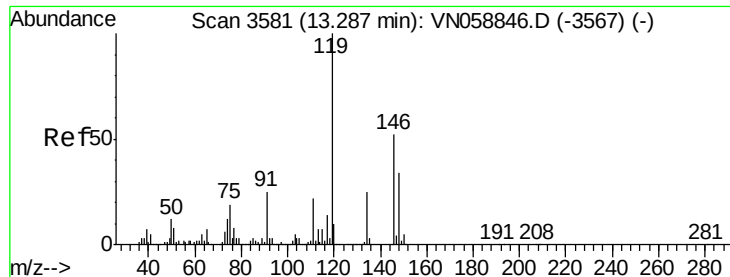
100000

50000

0

Time-->

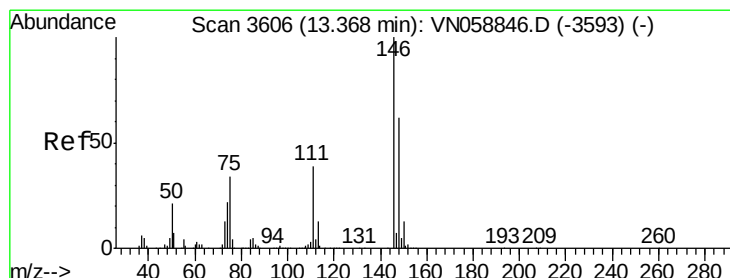
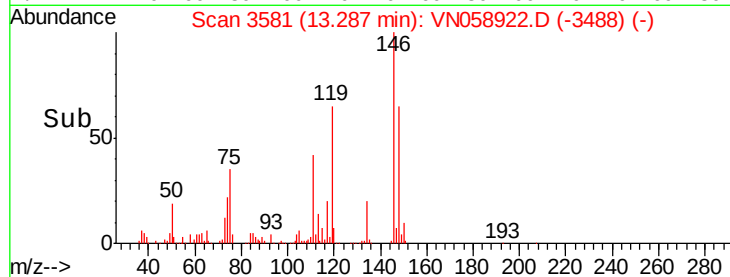
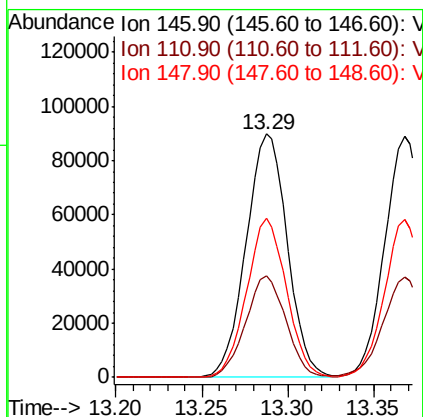
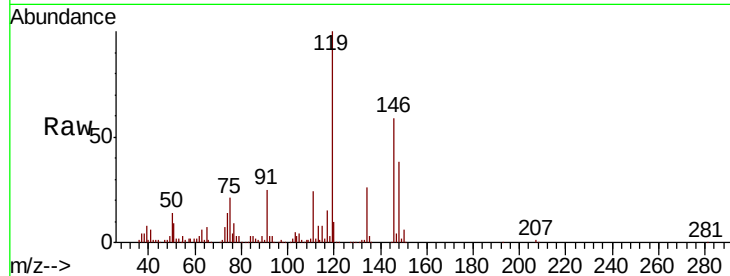




#87
 1,3-Dichlorobenzene
 Concen: 19.488 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

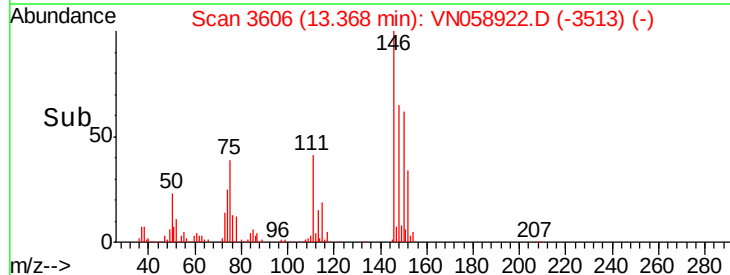
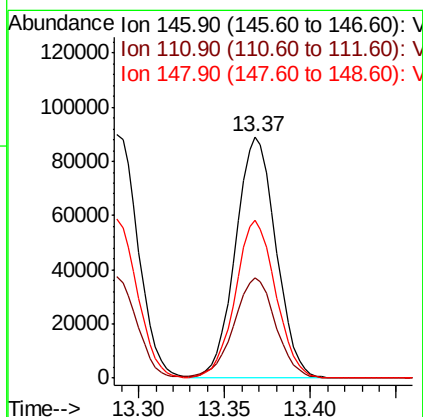
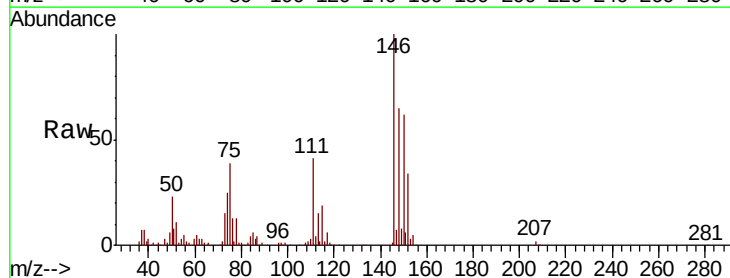
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

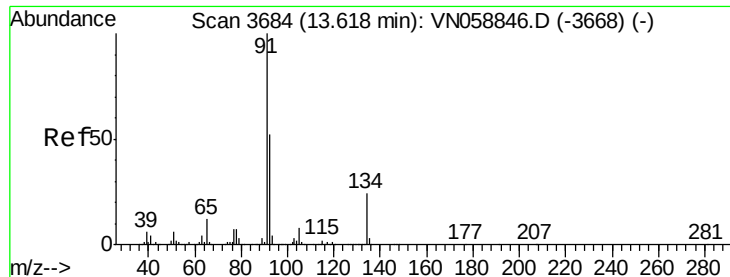
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.0	63.0
148	63.0	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.913 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.2	60.6
148	65.6	31.6	94.7





#89

n-Butylbenzene

Concen: 19.064 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

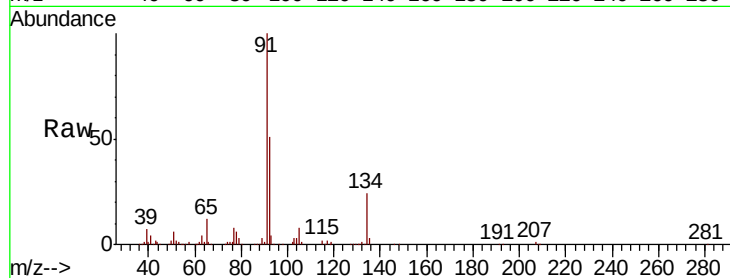
Tot Ion: 91 Resp: 257168

Ion Ratio Lower Upper

91 100

92 50.5 25.7 77.1

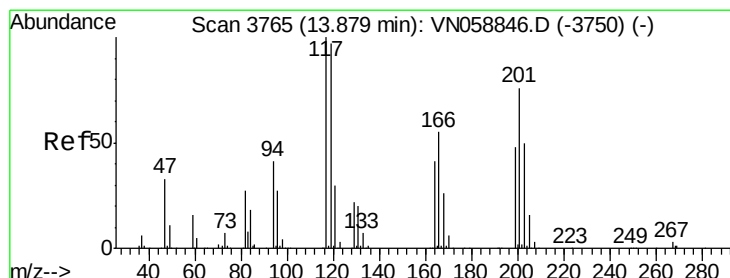
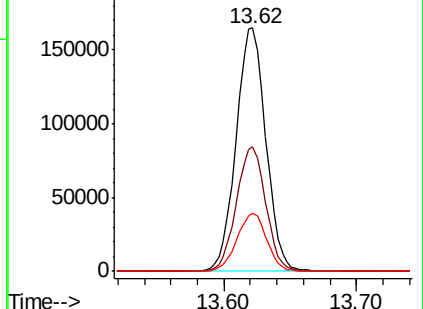
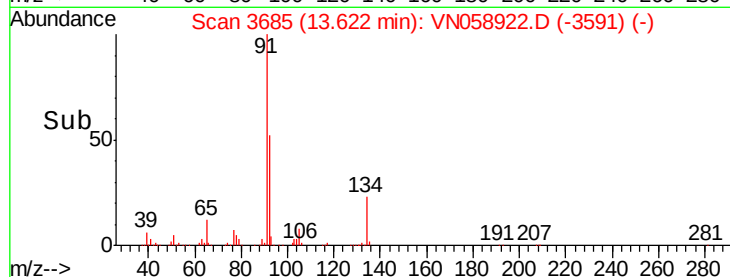
134 23.9 11.9 35.5



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

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

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



#90

Hexachloroethane

Concen: 19.388 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058922.D

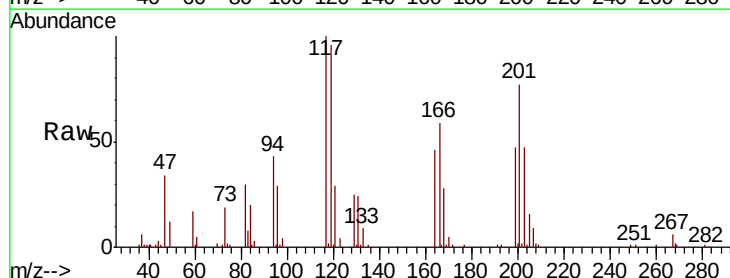
Acq: 23 Oct 2019 12:28

Tgt Ion: 117 Resp: 57692

Ion Ratio Lower Upper

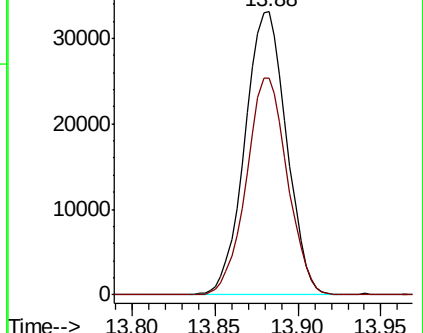
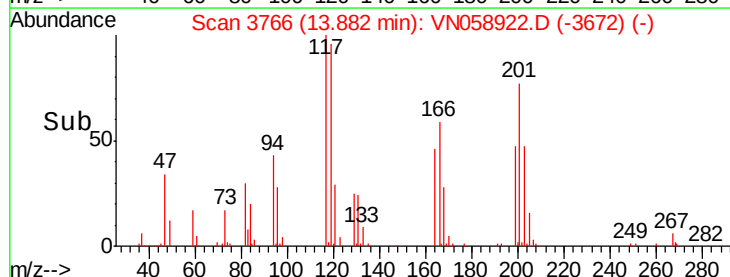
117 100

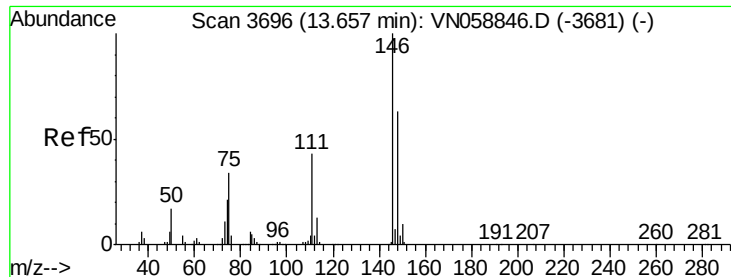
201 75.5 38.9 116.6



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

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

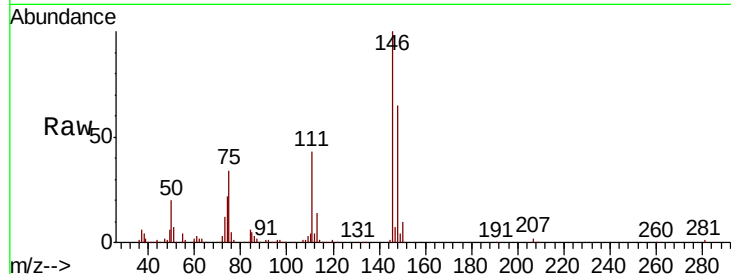




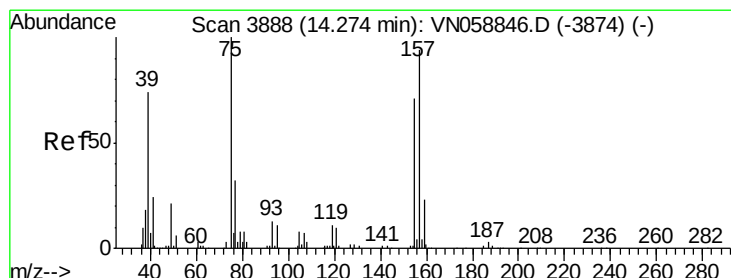
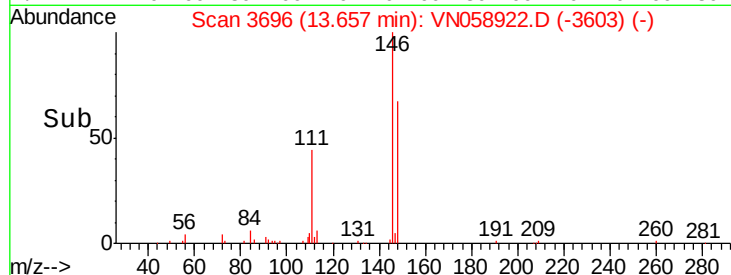
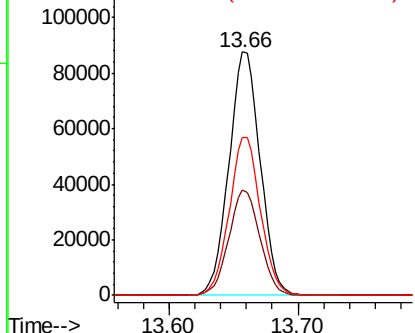
#91
 1,2-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion:146 Resp: 147371
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.6 64.8
 148 64.6 31.9 95.9

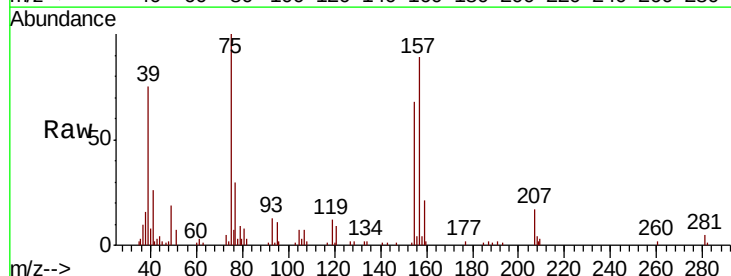


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

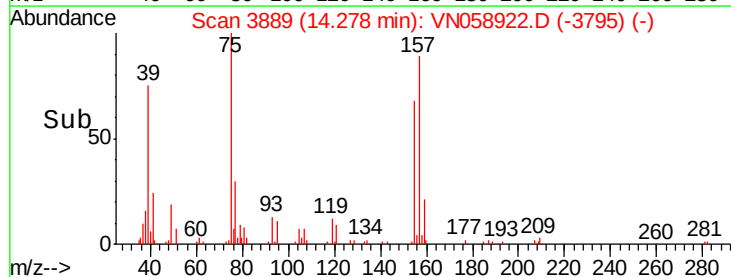
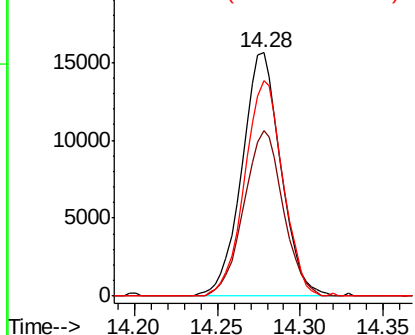


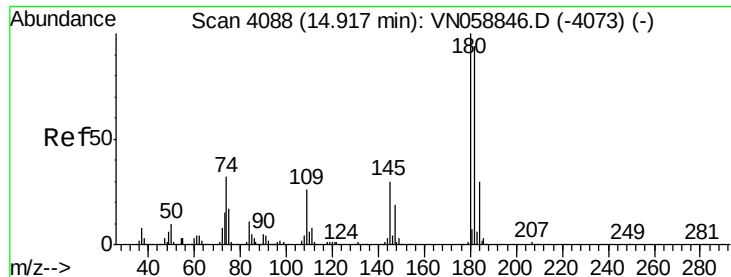
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.439 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 75 Resp: 25478
 Ion Ratio Lower Upper
 75 100
 155 68.6 35.6 106.8
 157 86.8 47.4 142.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

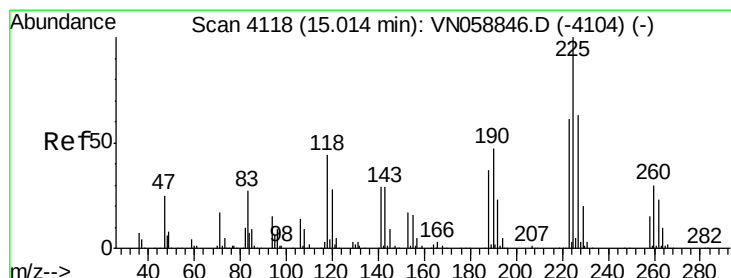
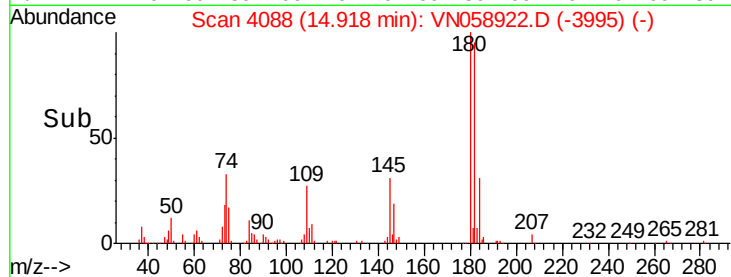
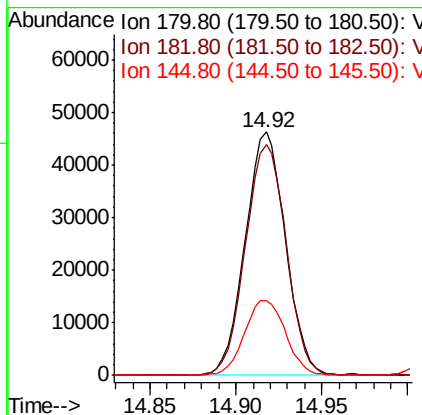
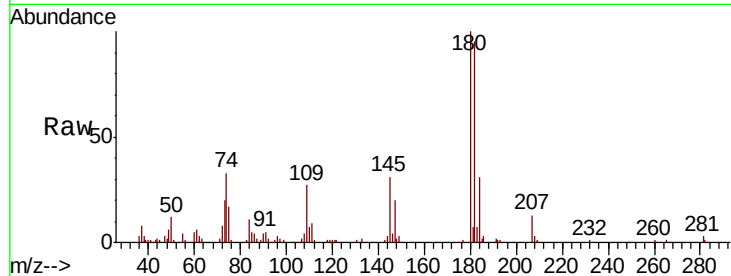




#93
 1,2,4-Trichlorobenzene
 Concen: 17.626 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

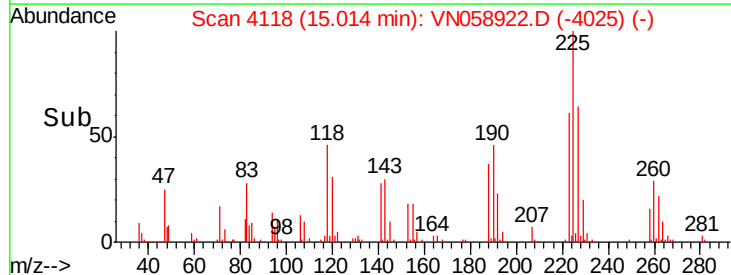
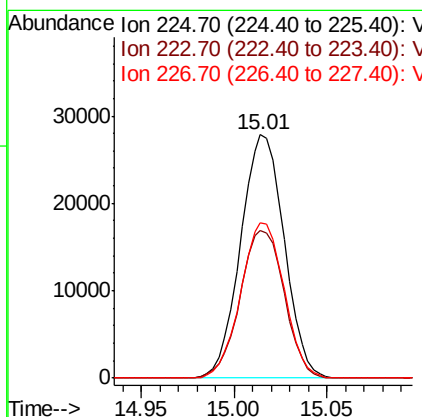
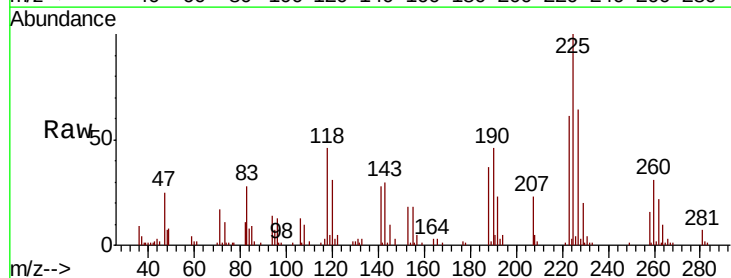
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

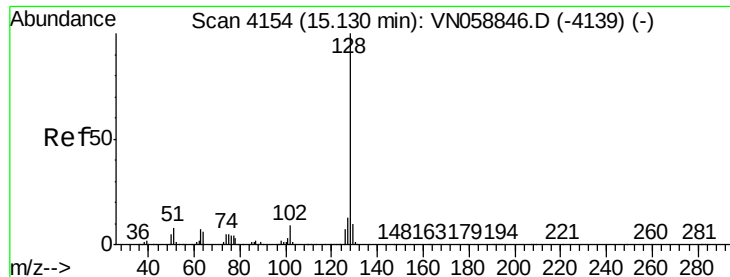
Tot Ion:180 Resp: 75366
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 31.3 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 18.726 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion:225 Resp: 45679
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.5
 227 63.4 31.6 94.7





#95

Naphthalene

Concen: 16.860 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

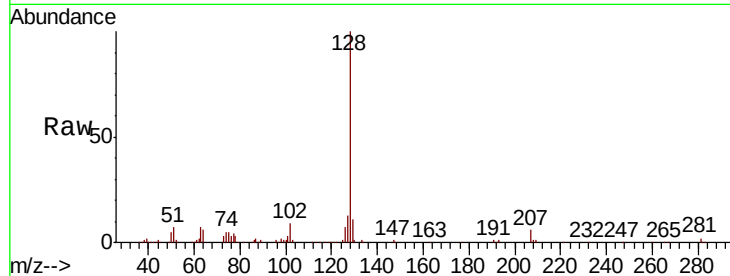
Tot Ion:128 Resp: 208562

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

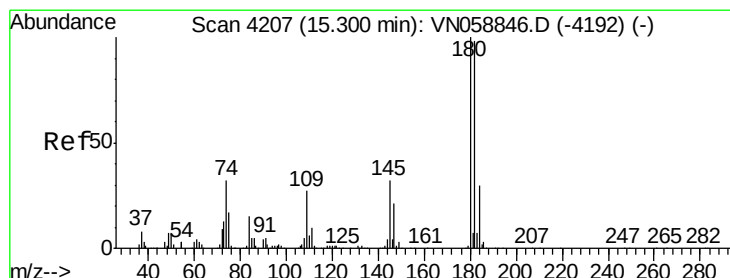
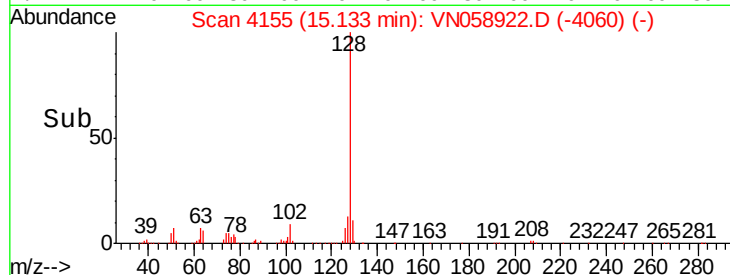
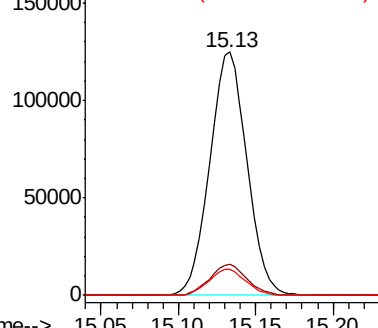
129 10.6 8.4 12.6



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: 18.085 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

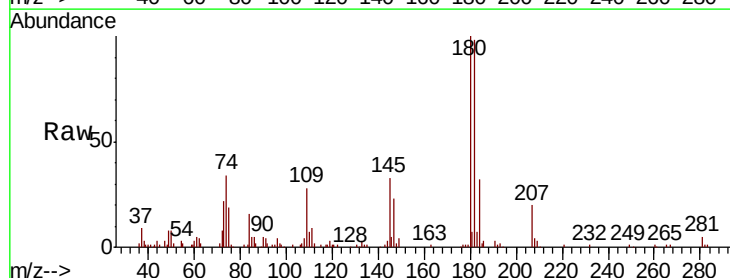
Tgt Ion:180 Resp: 76012

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 32.3 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

