

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051976.D
 Acq On : 24 Oct 2018 9:45
 Operator : MD\SY
 Sample : VN1024WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Quant Time: Oct 24 14:27:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1111234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1610261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1481067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	775231	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	474351	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	496785	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	1796870	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.40	95	618726	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	134057	19.010	ug/l	99
3) Chloromethane	2.06	50	122308	19.263	ug/l	98
4) Vinyl Chloride	2.19	62	154057	18.101	ug/l	97
5) Bromomethane	2.58	94	156374	19.190	ug/l	96
6) Chloroethane	2.71	64	109198	17.282	ug/l	100
7) Trichlorofluoromethane	3.03	101	285249	18.810	ug/l	97
8) Diethyl Ether	3.41	74	84099	18.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	181139	19.940	ug/l	99
10) Methyl Iodide	3.96	142	261407	19.449	ug/l	99
11) Tert butyl alcohol	4.79	59	45567	88.965	ug/l	99
12) 1,1-Dichloroethene	3.74	96	158332	19.462	ug/l	98
13) Acrolein	3.61	56	24555	108.144	ug/l	94
14) Allyl chloride	4.33	41	152118	17.670	ug/l	95
15) Acrylonitrile	4.99	53	200160	92.575	ug/l	99
16) Acetone	3.82	43	147470	90.440	ug/l	97
17) Carbon Disulfide	4.06	76	364038	18.825	ug/l	97
18) Methyl Acetate	4.33	43	93159	17.304	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	411132	18.823	ug/l	99
20) Methylene Chloride	4.55	84	175975	18.397	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	172881	18.764	ug/l	96
22) Diisopropyl ether	5.95	45	372071	18.891	ug/l	95
23) Vinyl Acetate	5.90	43	1271289	94.885	ug/l	100
24) 1,1-Dichloroethane	5.85	63	268831	18.696	ug/l	99
25) 2-Butanone	6.83	43	220341	94.789	ug/l	98
26) 2,2-Dichloropropane	6.82	77	258108	19.619	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	202992	18.860	ug/l	99
28) Bromochloromethane	7.19	49	111565	19.251	ug/l	97
29) Tetrahydrofuran	7.21	42	143636	91.200	ug/l	96
30) Chloroform	7.37	83	334171	19.032	ug/l	97
31) Cyclohexane	7.65	56	236981	18.892	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	306785	19.108	ug/l	99
36) 1,1-Dichloropropene	7.79	75	235754	19.086	ug/l	99
37) Ethyl Acetate	6.93	43	101438	17.119	ug/l	99
38) Carbon Tetrachloride	7.78	117	270961	19.108	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	294030	19.489	ug/l	99
40) Benzene	8.04	78	701933	19.139	ug/l	100
41) Methacrylonitrile	7.17	41	49212	17.730	ug/l	98
42) 1,2-Dichloroethane	8.12	62	221702	18.854	ug/l	99
43) Isopropyl Acetate	8.17	43	193974	18.751	ug/l #	85
44) Trichloroethene	8.83	130	224295	19.053	ug/l	98
45) 1,2-Dichloropropane	9.12	63	161296	19.442	ug/l	99
46) Dibromomethane	9.21	93	125976	18.837	ug/l	99
47) Bromodichloromethane	9.40	83	239024	18.924	ug/l	99
48) Methyl methacrylate	9.20	41	92664	18.533	ug/l	99
49) 1,4-Dioxane	9.20	88	33653	367.057	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	520317	91.441	ug/l	99
52) Toluene	10.16	92	476473	19.159	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	223113	18.111	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	257380	19.496	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172890	18.815	ug/l	96
56) Ethyl methacrylate	10.43	69	188353	19.069	ug/l	98
57) 1,3-Dichloropropane	10.71	76	263961	18.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	499269	96.603	ug/l	100
59) 2-Hexanone	10.75	43	351819	92.022	ug/l	100
60) Dibromochloromethane	10.90	129	188190	17.397	ug/l	96
61) 1,2-Dibromoethane	11.00	107	183118	18.901	ug/l	99
64) Tetrachloroethene	10.63	164	214518	18.871	ug/l	98
65) Chlorobenzene	11.43	112	572504	19.145	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	204229	19.001	ug/l	98
67) Ethyl Benzene	11.51	91	936344	19.480	ug/l	100
68) m/p-Xylenes	11.62	106	750957	39.102	ug/l	98
69) o-Xylene	11.95	106	365541	19.571	ug/l	99
70) Styrene	11.96	104	583698	19.553	ug/l	99
71) Bromoform	12.13	173	114942	17.052	ug/l #	99
73) Isopropylbenzene	12.25	105	986818	20.072	ug/l	100
74) N-amyl acetate	12.07	43	176671	18.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	195864	19.280	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	229225	28.626	ug/l #	100
77) Bromobenzene	12.53	156	262215	19.325	ug/l	98
78) n-propylbenzene	12.59	91	1076832	20.304	ug/l	99
79) 2-Chlorotoluene	12.67	91	619879	20.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	819311	20.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41639	17.961	ug/l	98
82) 4-Chlorotoluene	12.77	91	641644	20.065	ug/l	99
83) tert-Butylbenzene	12.99	119	754748	20.230	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	824938	20.275	ug/l	100
85) sec-Butylbenzene	13.17	105	994638	20.413	ug/l	99
86) p-Isopropyltoluene	13.29	119	892102	20.336	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	483254	19.310	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	480546	19.477	ug/l	99
89) n-Butylbenzene	13.61	91	697406	19.965	ug/l	99
90) Hexachloroethane	13.87	117	131156	20.068	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	462248	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25313	16.228	ug/l	98

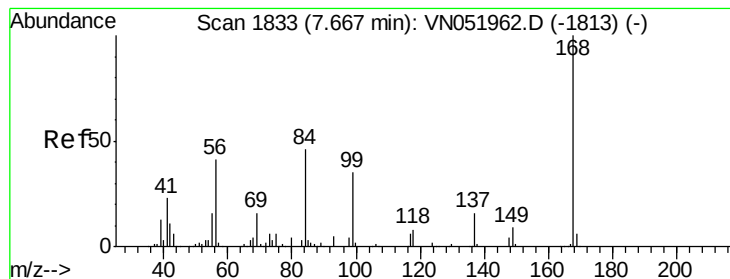
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234985	16.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	134562	18.312	ug/l	98
95) Naphthalene	15.13	128	455539	14.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	206214	15.086	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

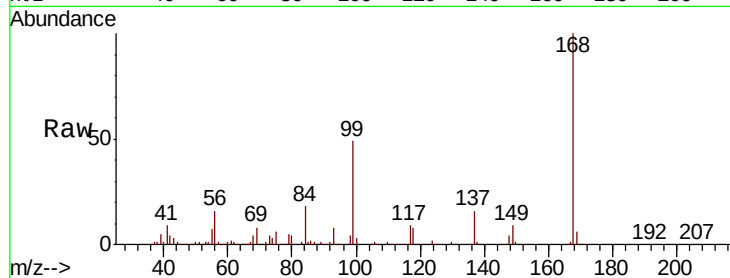
VN1024WBS01

Tot Ion:168 Resp: 1111234

Ion Ratio Lower Upper

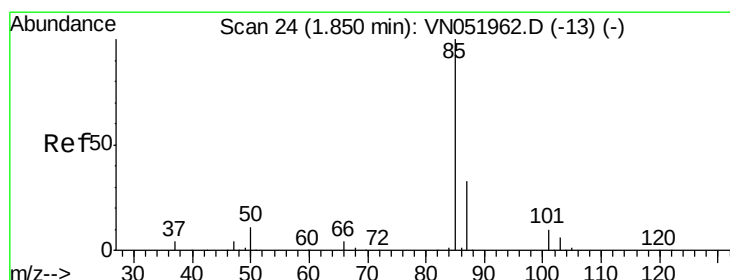
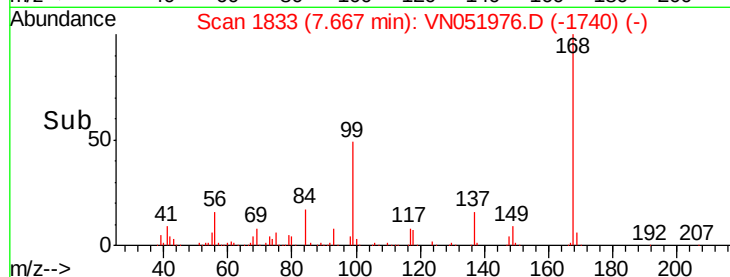
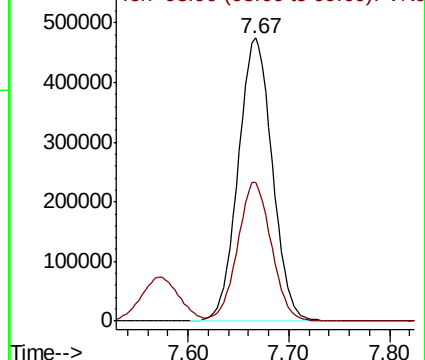
168 100

99 49.1 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051976.D

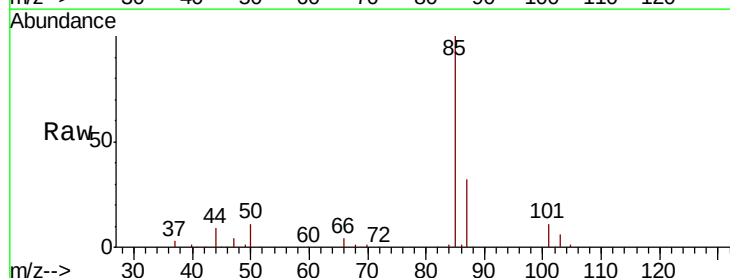
Acq: 24 Oct 2018 9:45

Tgt Ion: 85 Resp: 134057

Ion Ratio Lower Upper

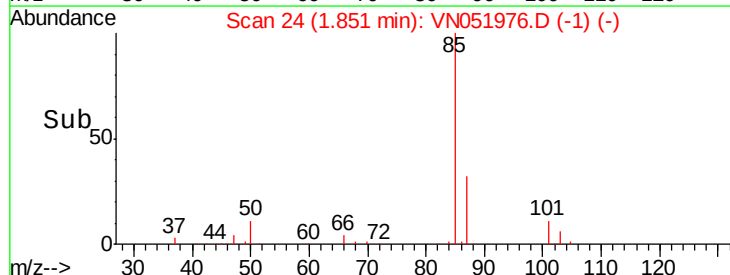
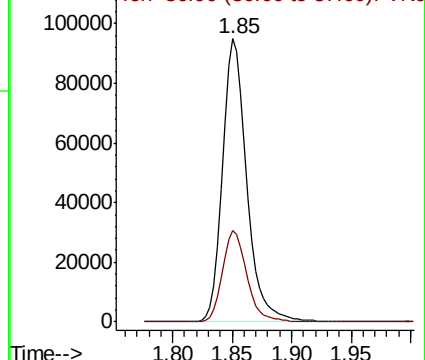
85 100

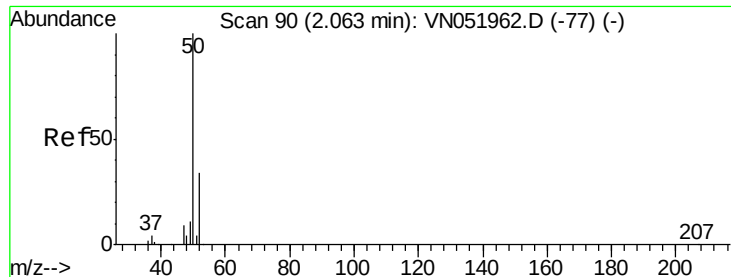
87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.263 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

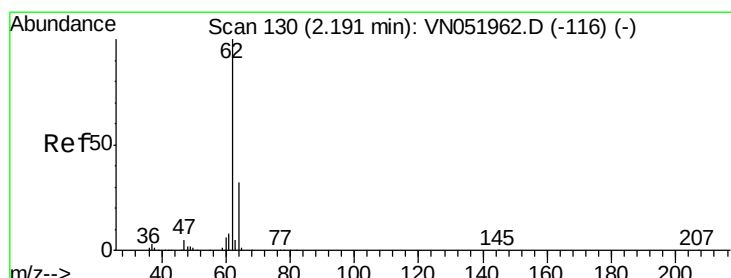
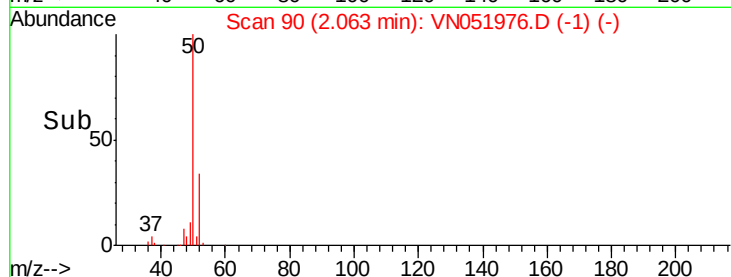
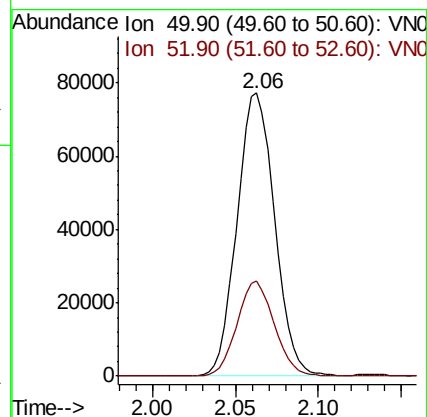
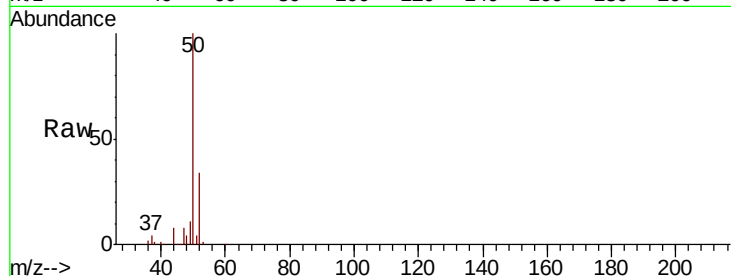
VN1024WBS01

Tot Ion: 50 Resp: 122308

Ion Ratio Lower Upper

50 100

52 33.5 27.5 41.3



#4

Vinyl Chloride

Concen: 18.101 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051976.D

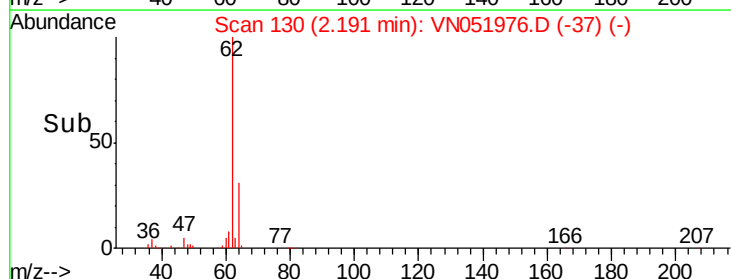
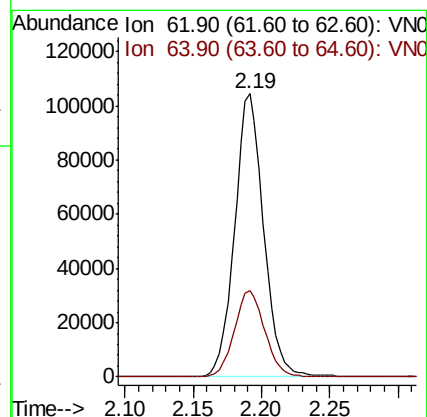
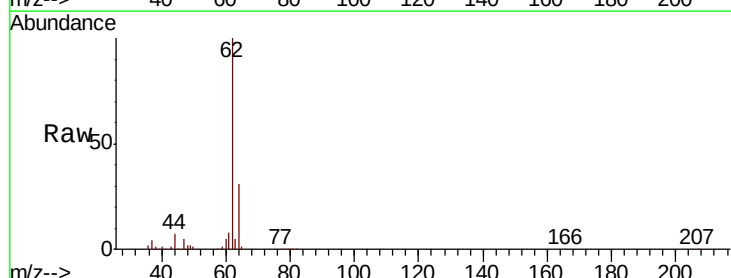
Acq: 24 Oct 2018 9:45

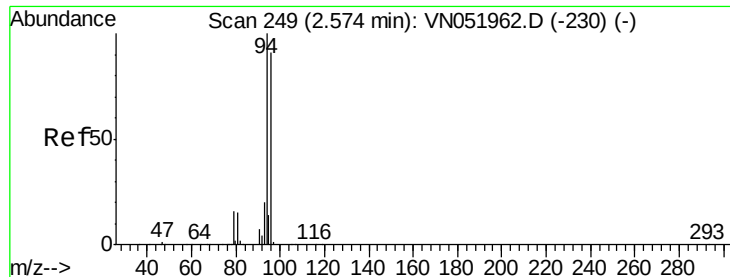
Tgt Ion: 62 Resp: 154057

Ion Ratio Lower Upper

62 100

64 30.6 26.0 39.0





#5

Bromomethane

Concen: 19.190 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

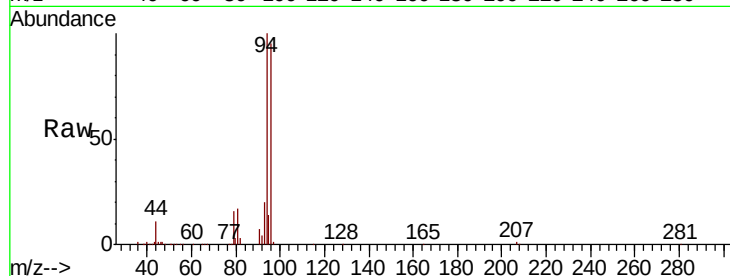
VN1024WBS01

Tot Ion: 94 Resp: 156374

Ion Ratio Lower Upper

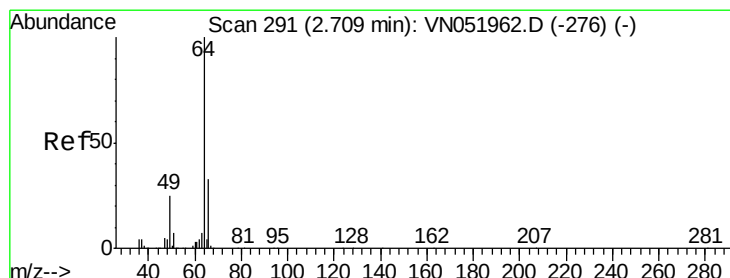
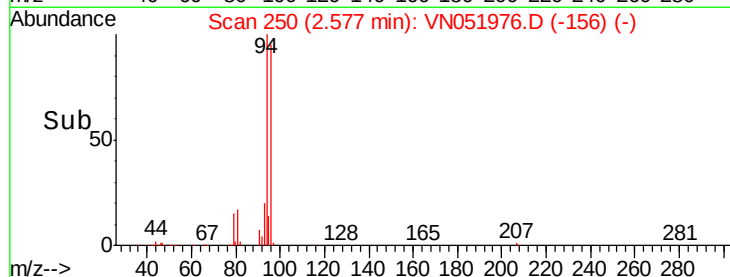
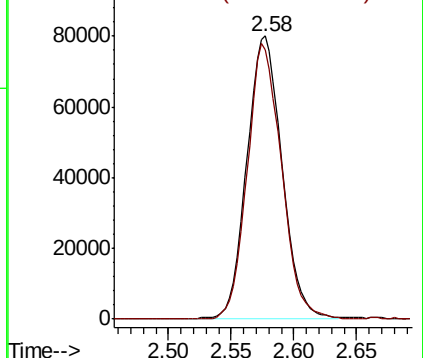
94 100

96 95.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.282 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051976.D

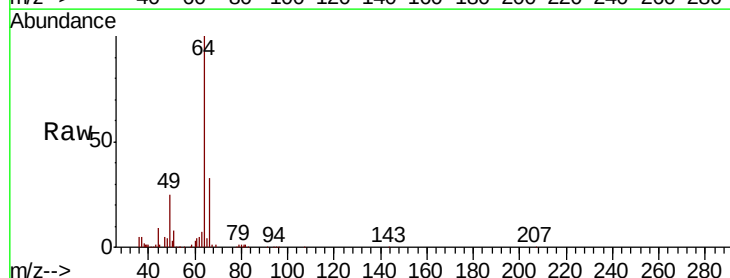
Acq: 24 Oct 2018 9:45

Tgt Ion: 64 Resp: 109198

Ion Ratio Lower Upper

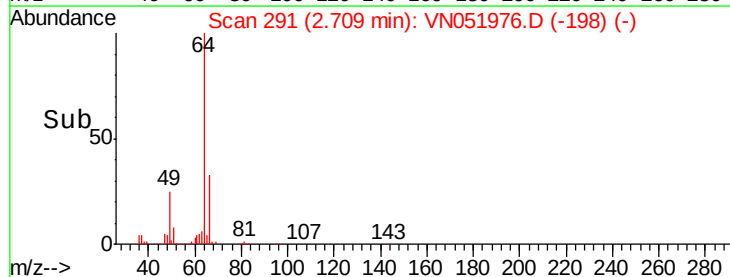
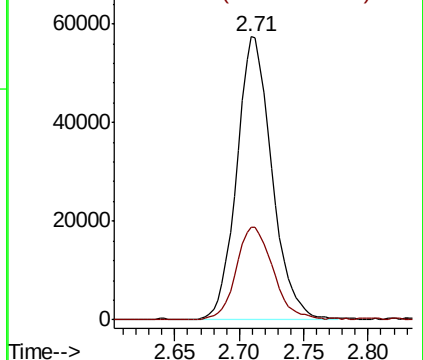
64 100

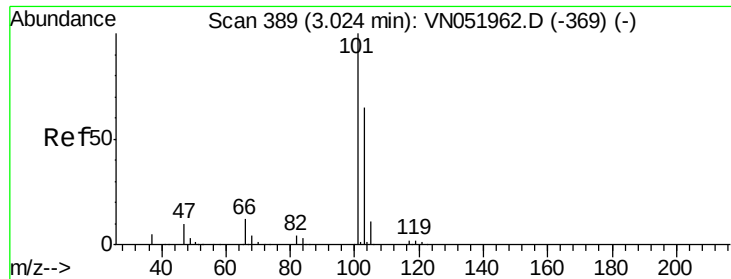
66 32.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



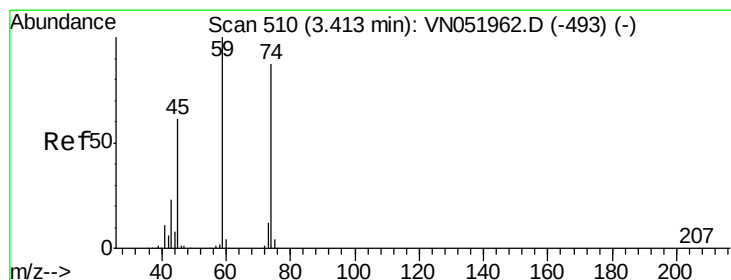
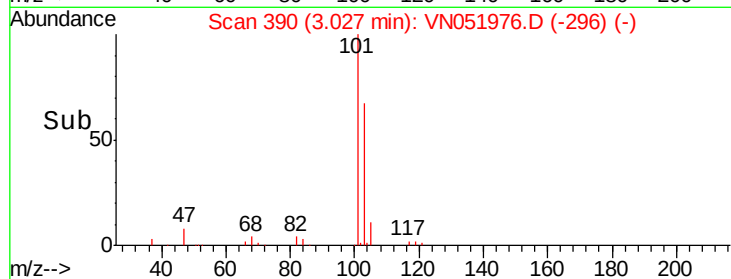
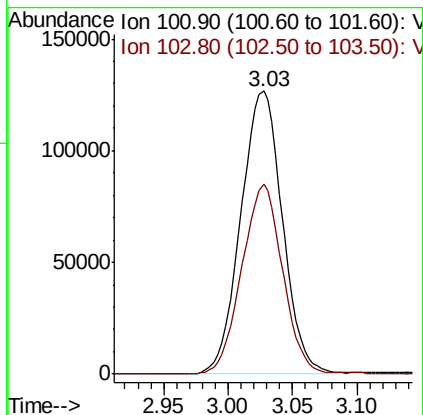
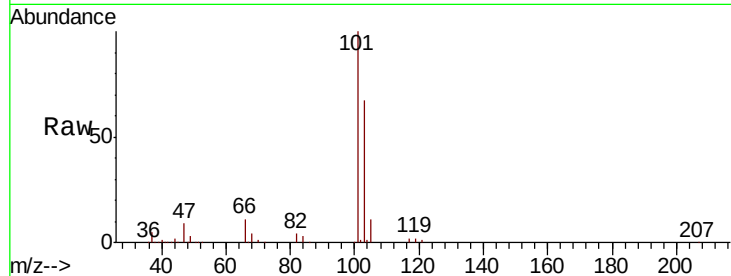


#7

Trichlorofluoromethane
 Concen: 18.810 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
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 ClientSampleId :
 VN1024WBS01

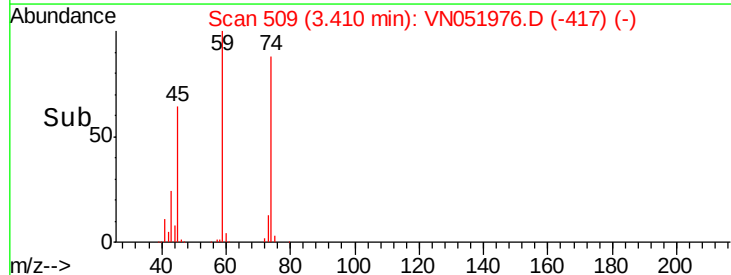
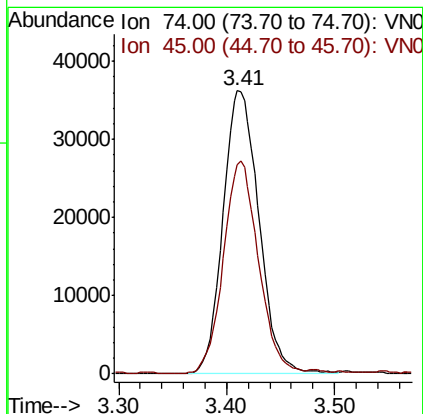
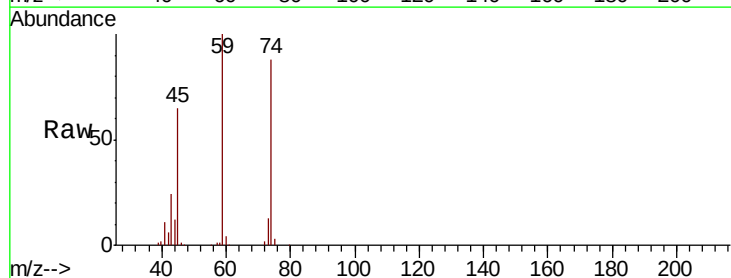
Tot Ion:101 Resp: 285249
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.0 78.0

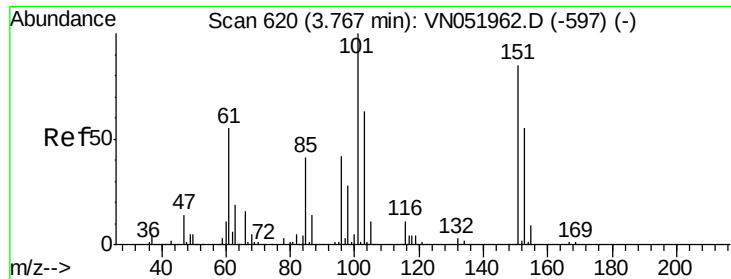


#8

Diethyl Ether
 Concen: 18.653 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 74 Resp: 84099
 Ion Ratio Lower Upper
 74 100
 45 73.4 35.5 106.5

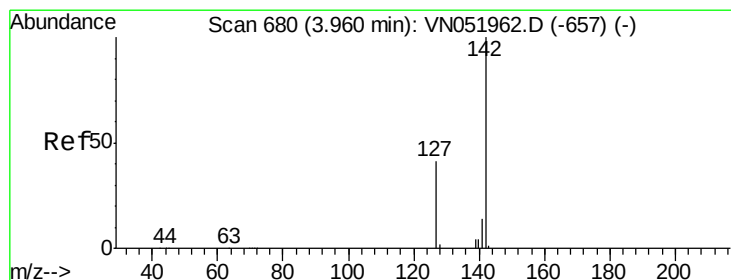
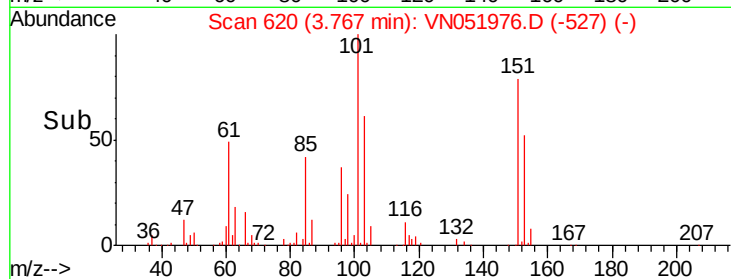
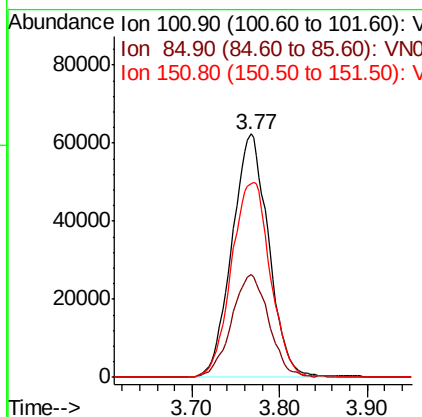
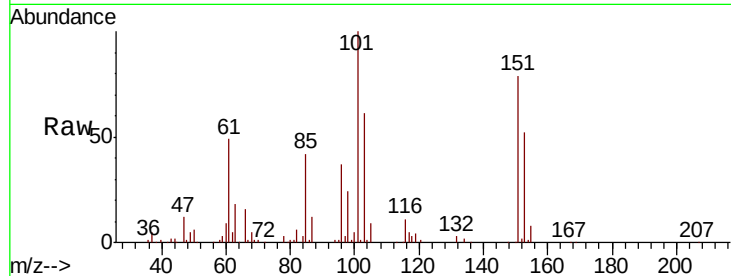




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.940 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN051976.D
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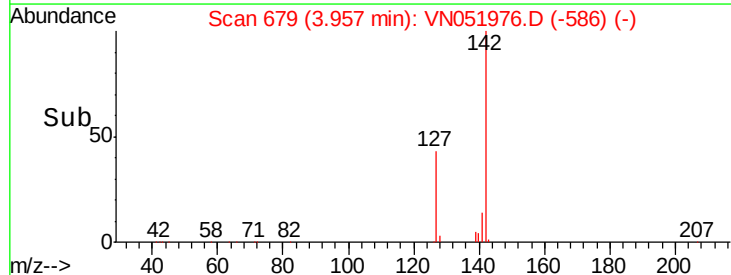
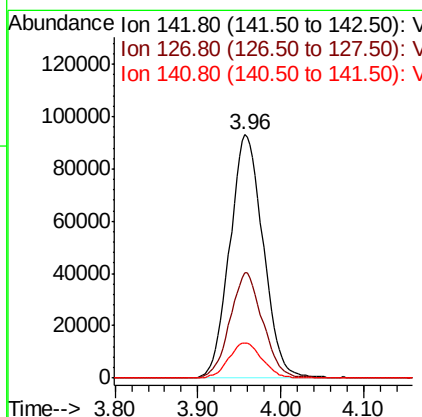
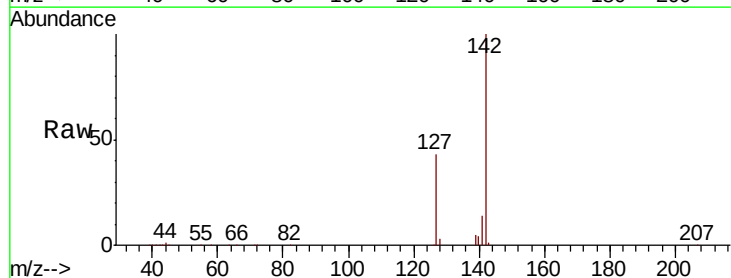
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

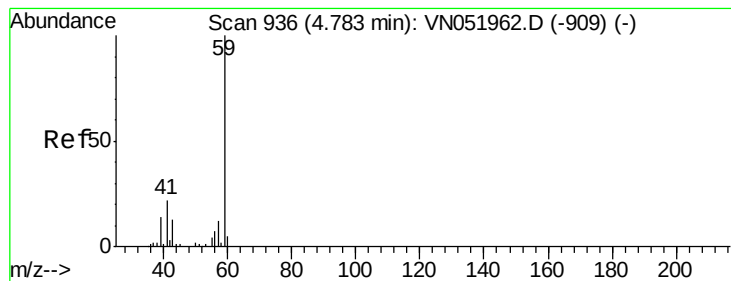
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.2	51.4
151	84.5	69.1	103.7



#10
 Methyl Iodide
 Concen: 19.449 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.3	51.5
141	14.4	11.4	17.0



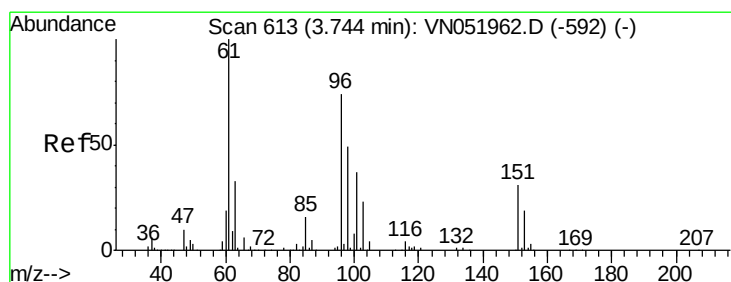
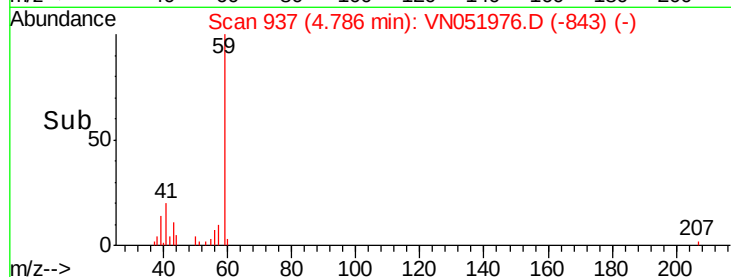
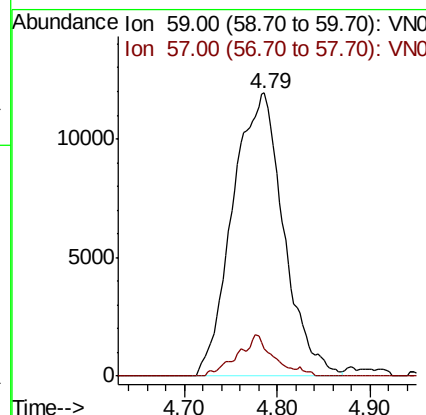
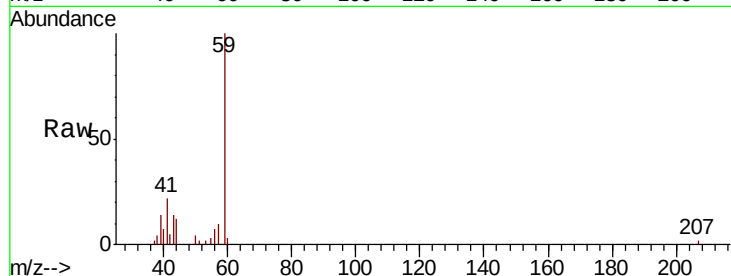


#11

Tert butyl alcohol
 Concen: 88.965 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN1024WBS01

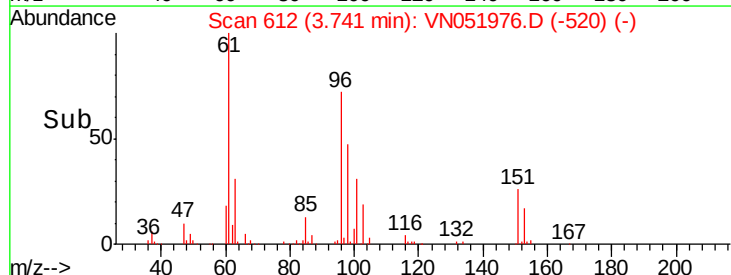
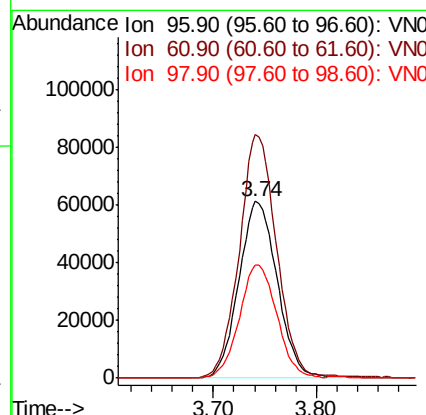
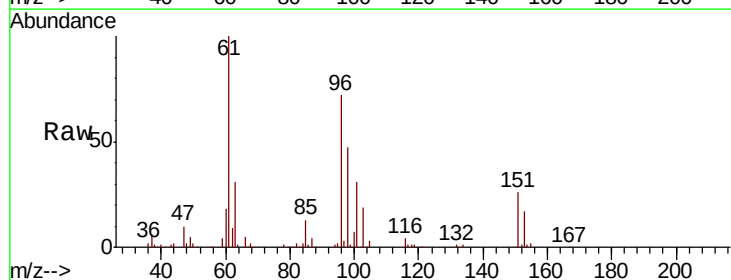
Tot Ion: 59 Resp: 45567
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

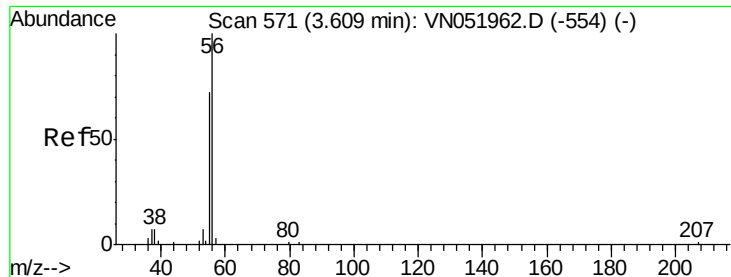


#12

1,1-Dichloroethene
 Concen: 19.462 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 96 Resp: 158332
 Ion Ratio Lower Upper
 96 100
 61 137.9 107.8 161.8
 98 64.3 52.7 79.1





#13

Acrolein

Concen: 108.144 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

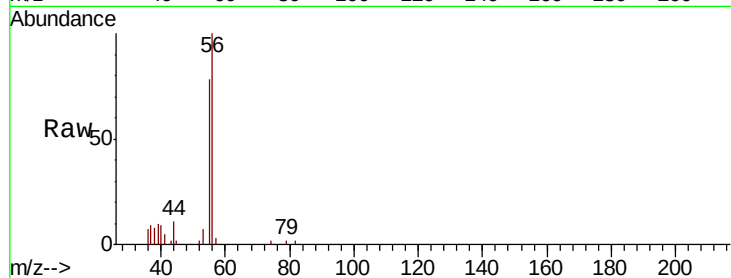
VN1024WBS01

Tot Ion: 56 Resp: 24555

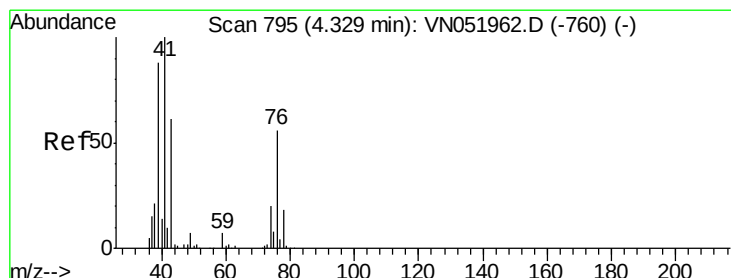
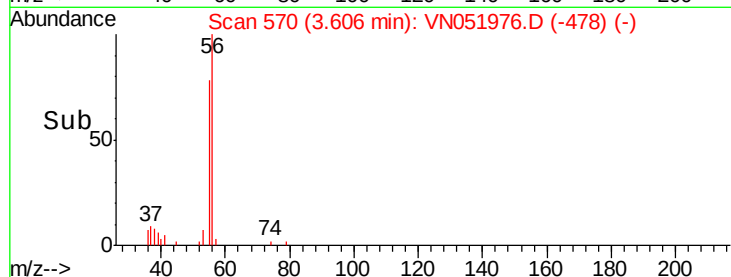
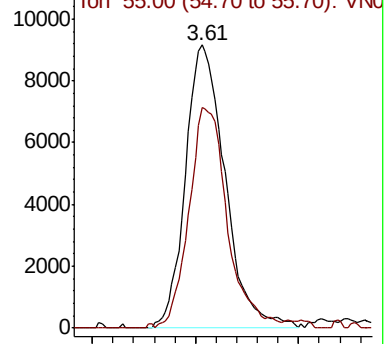
Ion Ratio Lower Upper

56 100

55 75.3 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN051976.D (-478) (-)



#14

Allyl chloride

Concen: 17.670 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

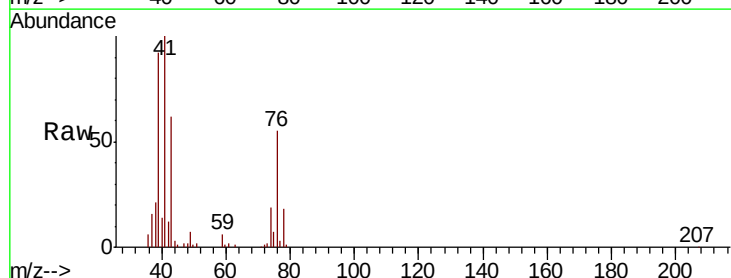
Tgt Ion: 41 Resp: 152118

Ion Ratio Lower Upper

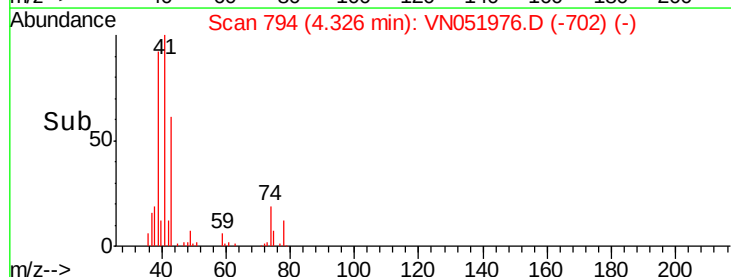
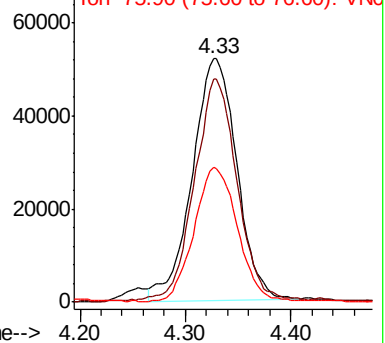
41 100

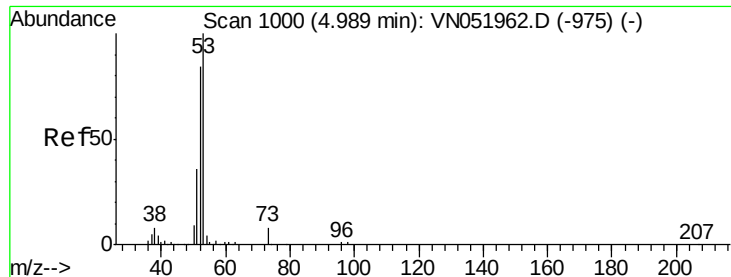
39 89.5 67.7 101.5

76 54.8 41.3 61.9



Abundance Ion 41.00 (40.70 to 41.70): VN051976.D (-702) (-)





#15

Acrylonitrile

Concen: 92.575 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

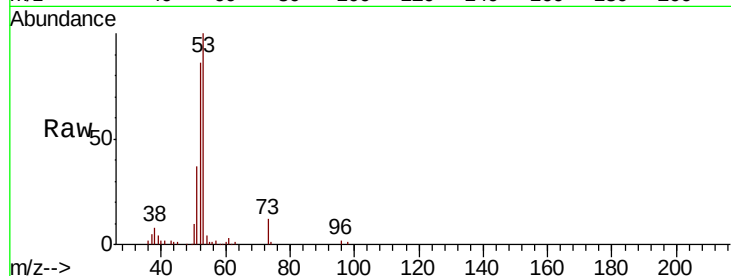
Tot Ion: 53 Resp: 200160

Ion Ratio Lower Upper

53 100

52 84.5 67.0 100.4

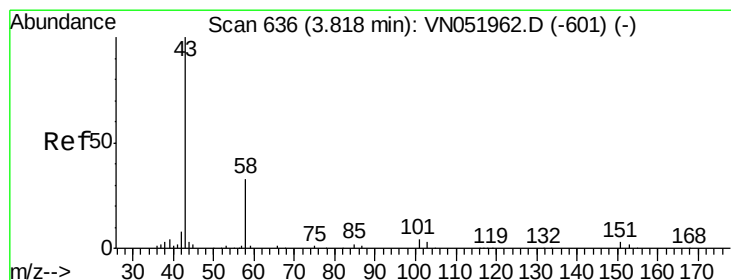
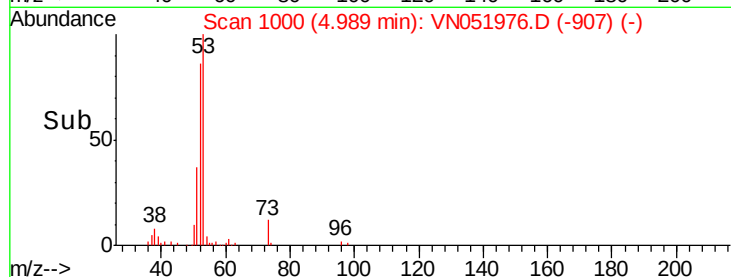
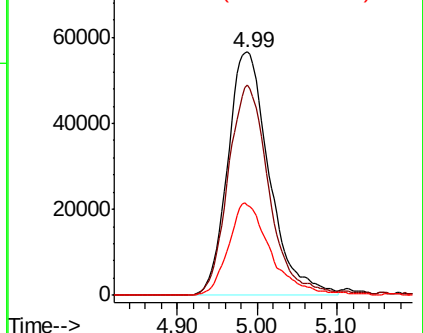
51 38.3 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN051962.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN051962.D (-975) (-)



#16

Acetone

Concen: 90.440 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051976.D

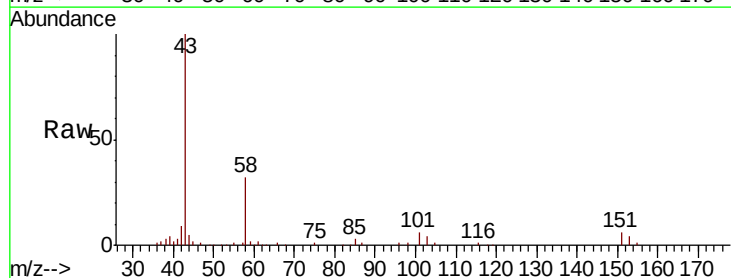
Acq: 24 Oct 2018 9:45

Tgt Ion: 43 Resp: 147470

Ion Ratio Lower Upper

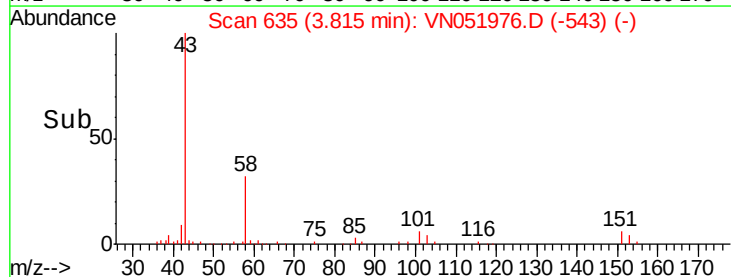
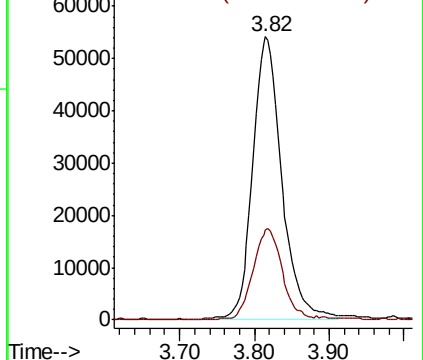
43 100

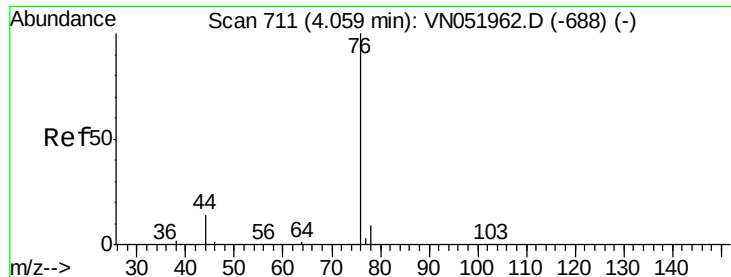
58 31.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

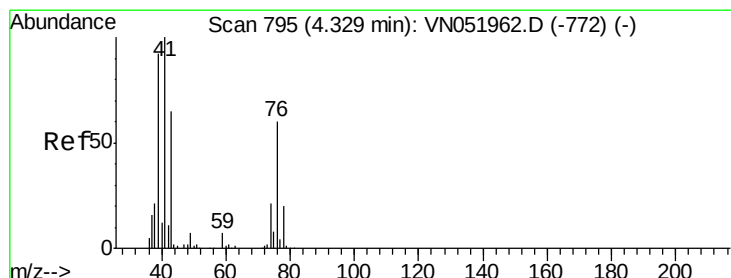
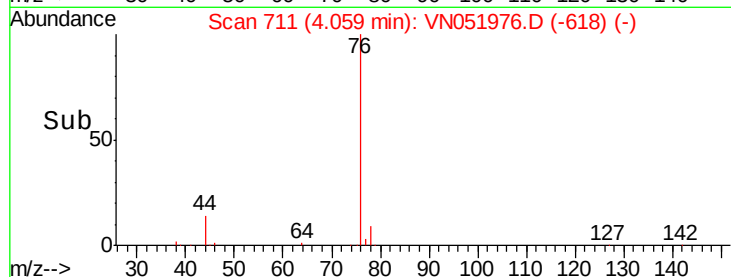
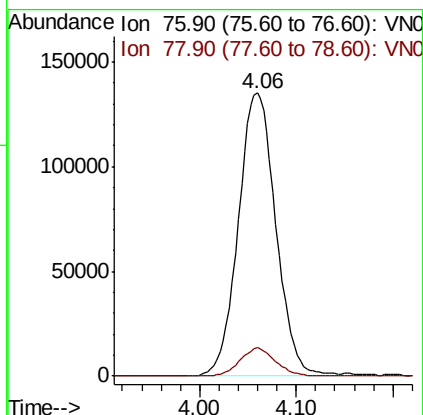
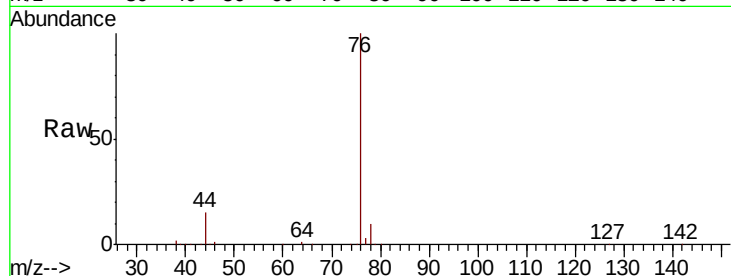




#17
Carbon Disulfide
Concen: 18.825 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

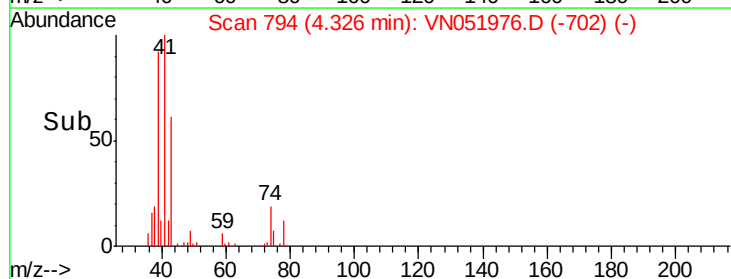
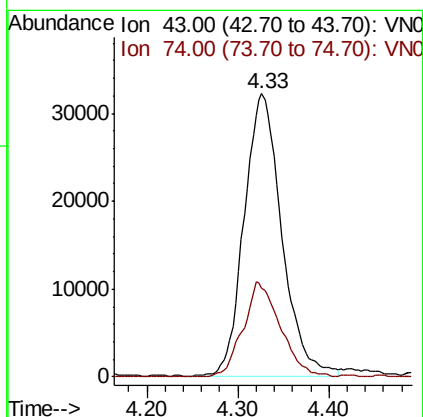
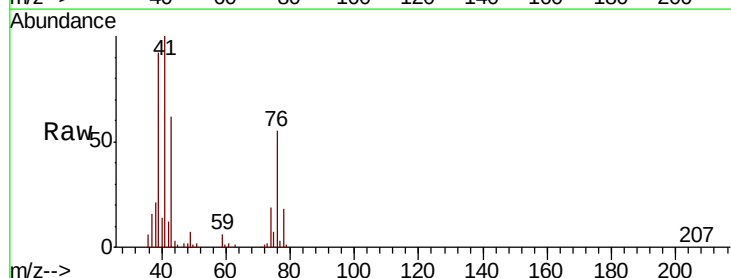
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

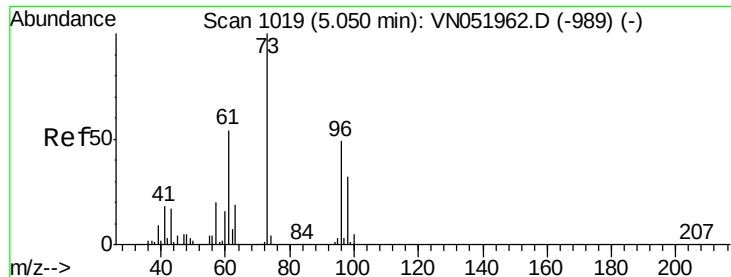
Tot Ion: 76 Resp: 364038
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#18
Methyl Acetate
Concen: 17.304 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 43 Resp: 93159
Ion Ratio Lower Upper
43 100
74 33.1 25.7 38.5





#19

Methyl tert-butyl Ether

Concen: 18.823 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

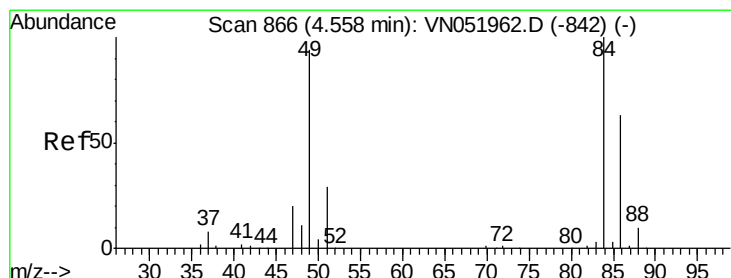
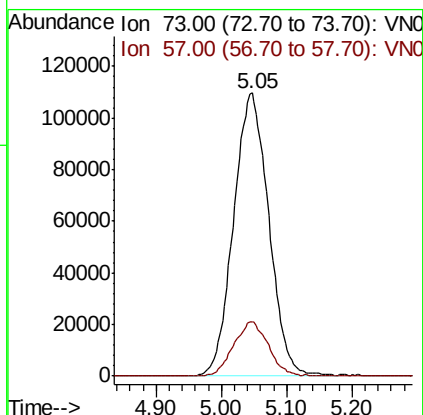
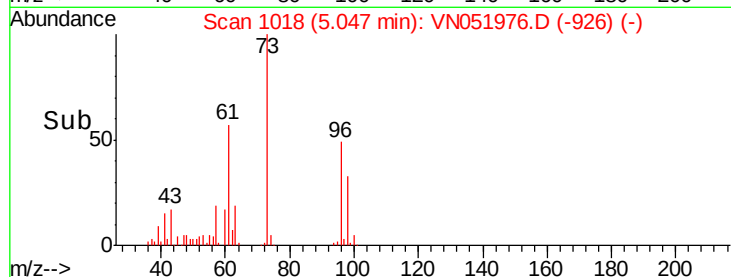
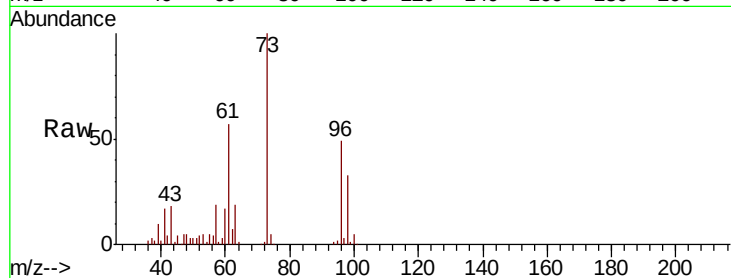
VN1024WBS01

Tot Ion: 73 Resp: 411132

Ion Ratio Lower Upper

73 100

57 19.2 15.9 23.9



#20

Methylene Chloride

Concen: 18.397 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion: 84 Resp: 175975

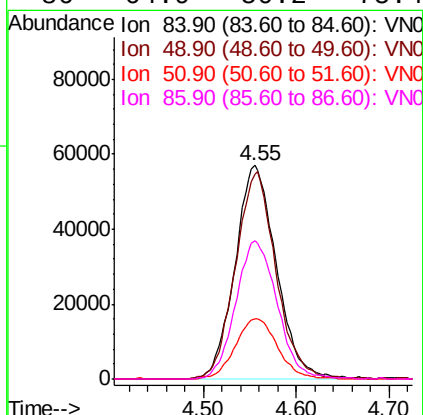
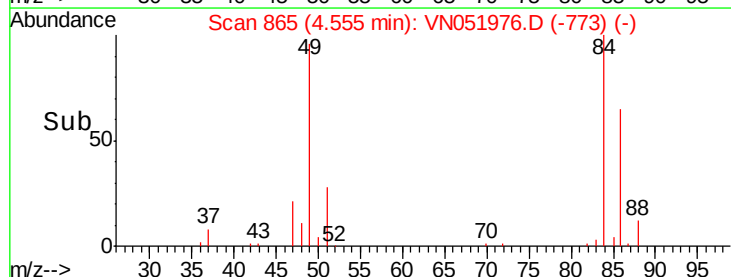
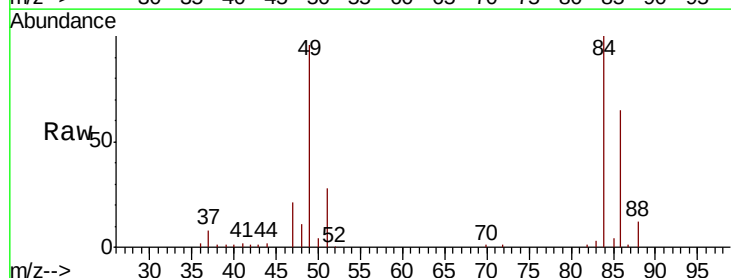
Ion Ratio Lower Upper

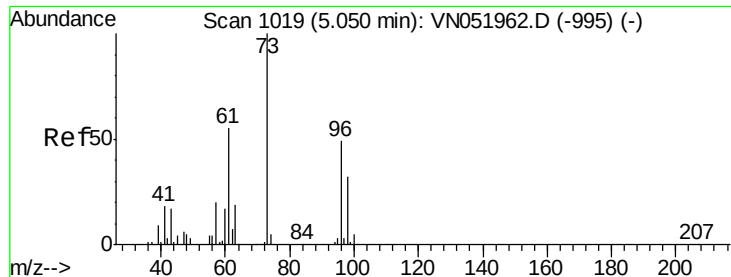
84 100

49 96.0 75.4 113.0

51 28.2 23.1 34.7

86 64.9 50.2 75.4

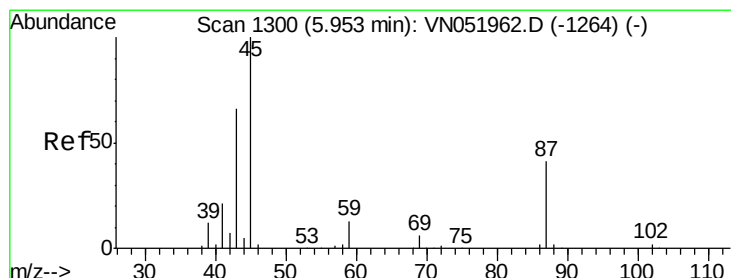
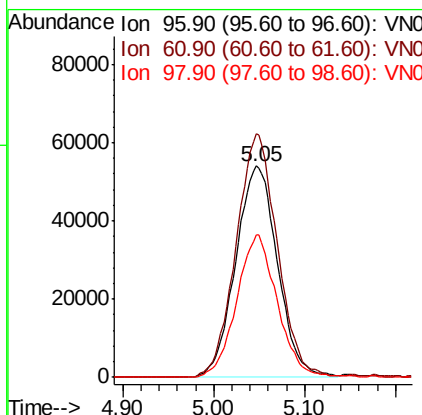
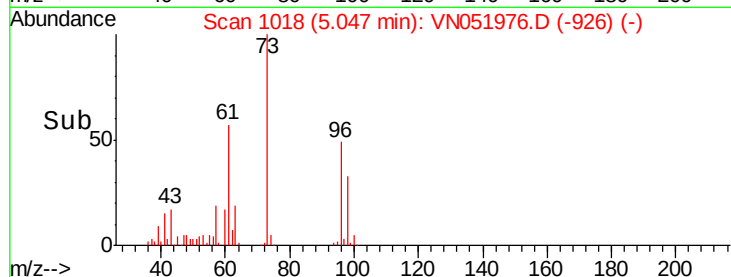
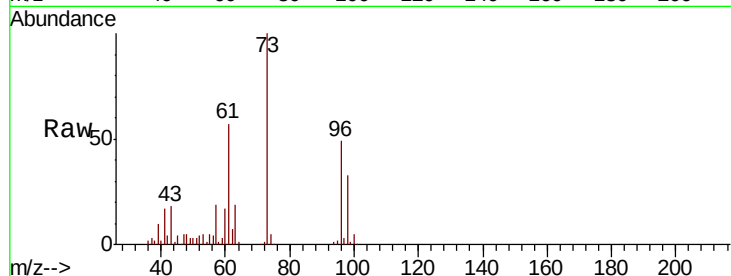




#21
trans-1,2-Dichloroethene
Concen: 18.764 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

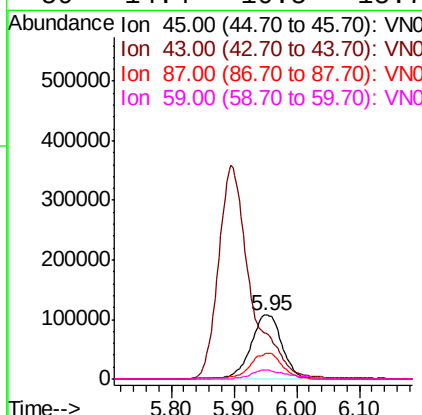
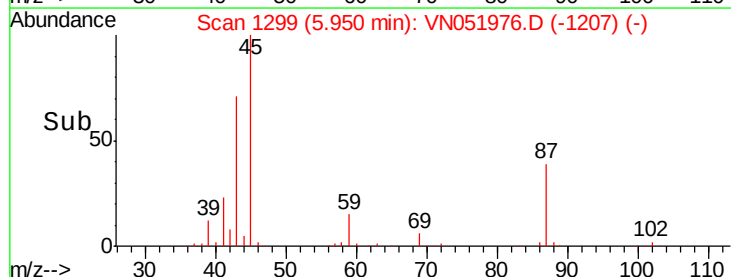
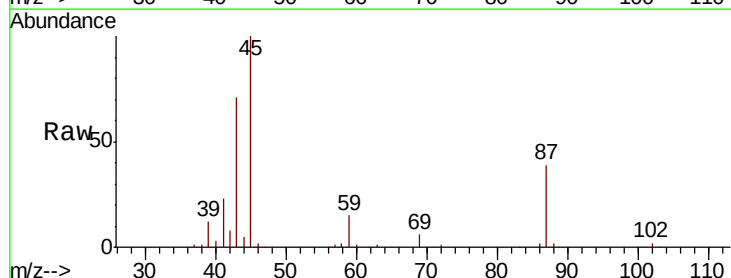
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

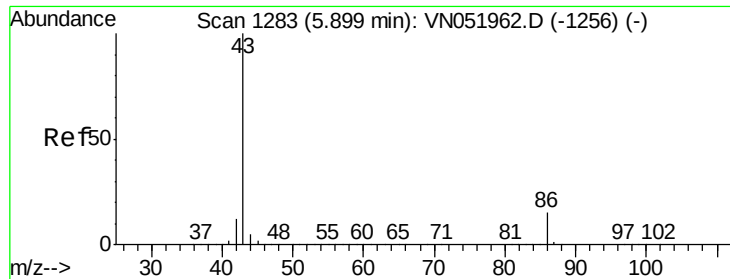
Tot Ion: 96 Resp: 172881
Ion Ratio Lower Upper
96 100
61 115.1 89.0 133.4
98 67.4 51.8 77.8



#22
Diisopropyl ether
Concen: 18.891 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 45 Resp: 372071
Ion Ratio Lower Upper
45 100
43 71.0 52.9 79.3
87 39.1 33.4 50.0
59 14.4 10.5 15.7





#23

Vinyl Acetate

Concen: 94.885 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

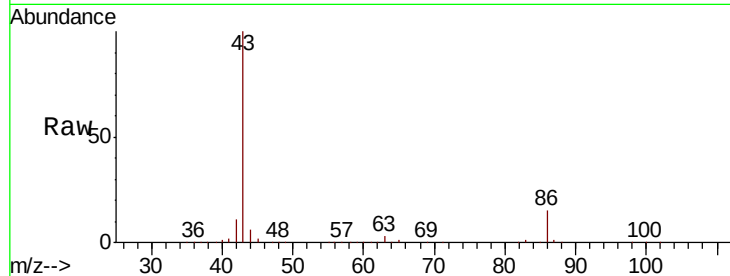
VN1024WBS01

Tot Ion: 43 Resp: 1271289

Ion Ratio Lower Upper

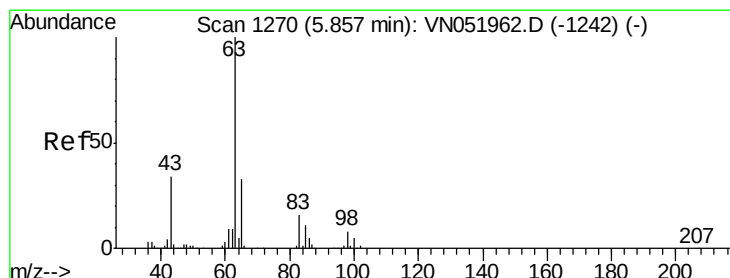
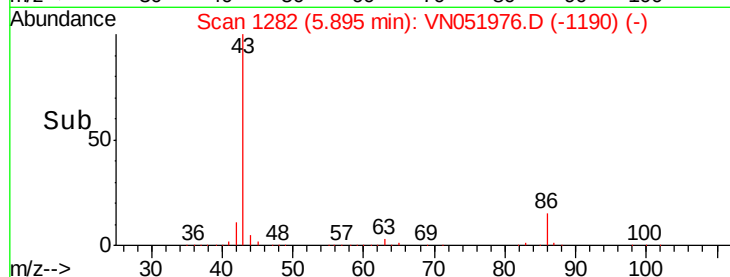
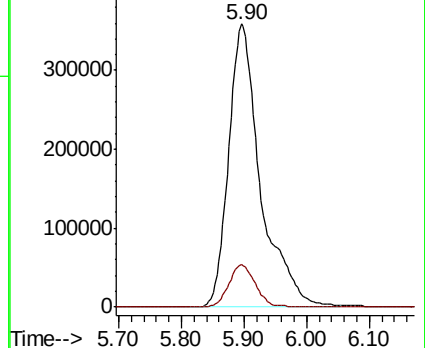
43 100

86 14.9 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.696 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

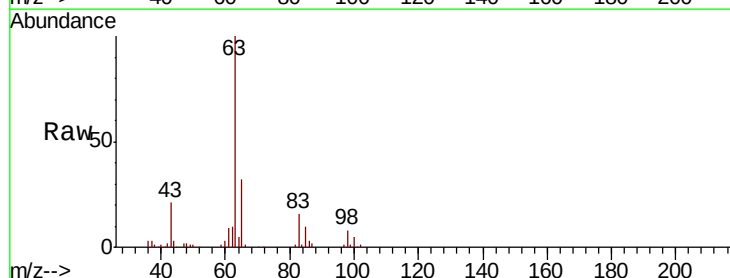
Tgt Ion: 63 Resp: 268831

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

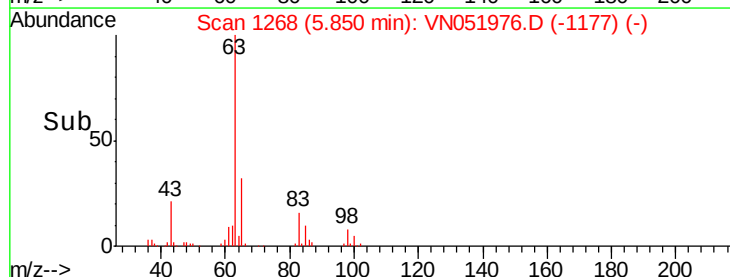
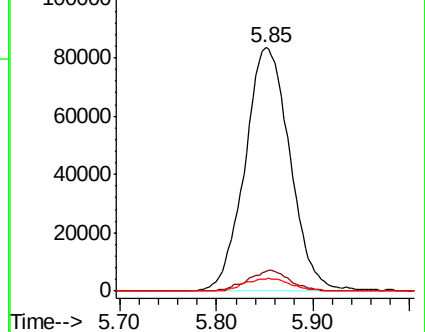
100 5.1 2.6 8.0

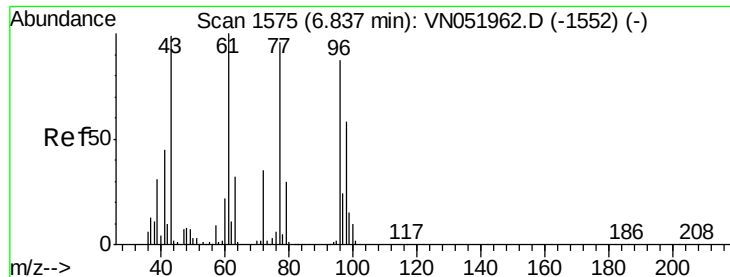


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.789 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

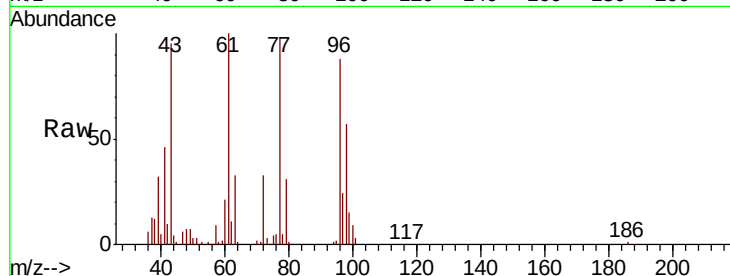
VN1024WBS01

Tot Ion: 43 Resp: 220341

Ion Ratio Lower Upper

43 100

72 34.5 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

80000

60000

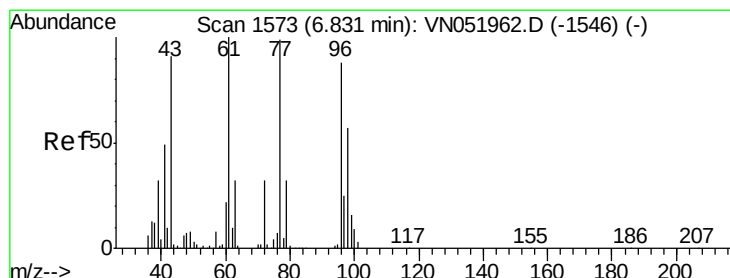
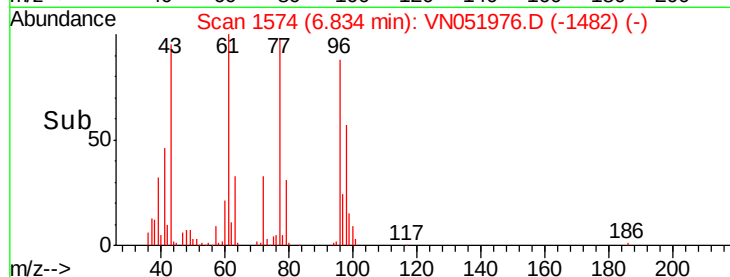
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 19.619 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN051976.D

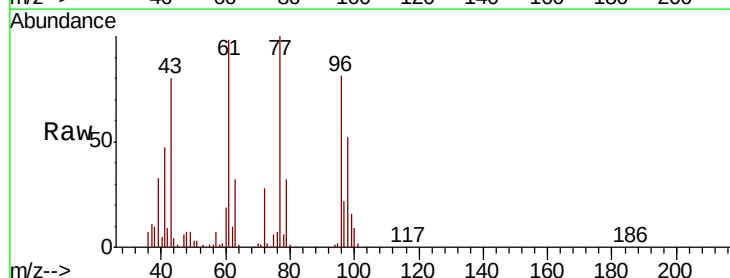
Acq: 24 Oct 2018 9:45

Tgt Ion: 77 Resp: 258108

Ion Ratio Lower Upper

77 100

97 23.9 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

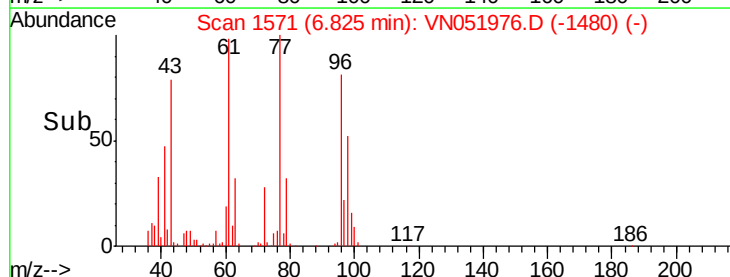
40000

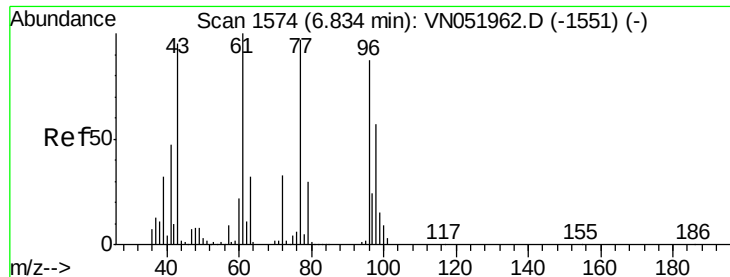
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.860 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

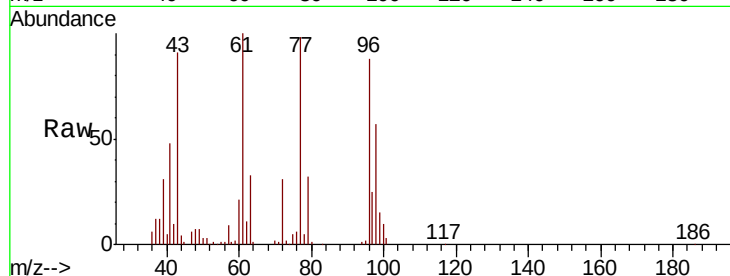
Tot Ion: 96 Resp: 202992

Ion Ratio Lower Upper

96 100

61 118.5 0.0 234.4

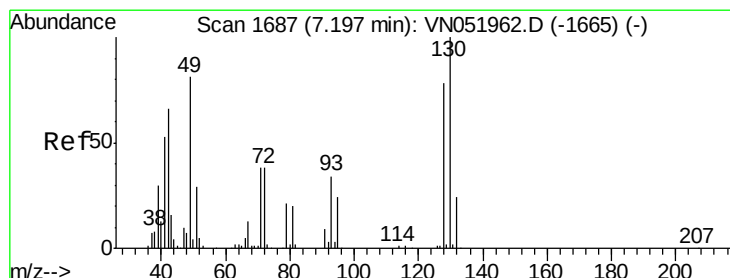
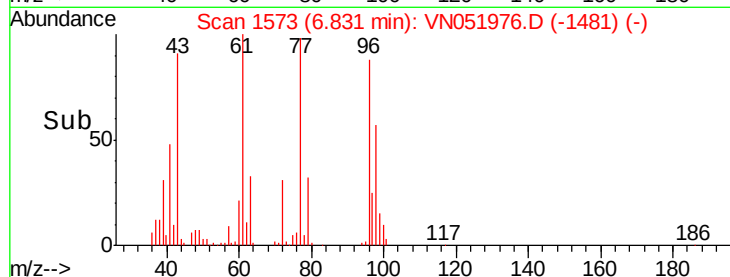
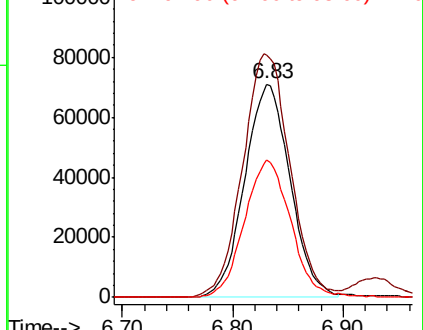
98 65.5 0.0 131.6



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: 19.251 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

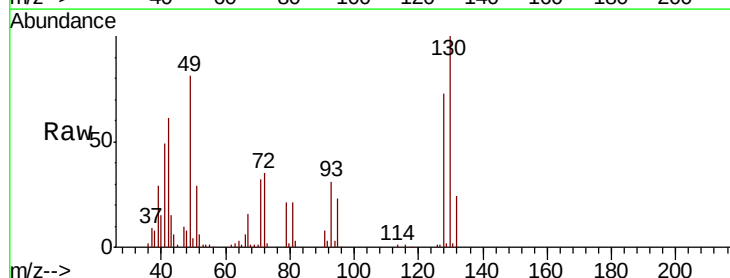
Tgt Ion: 49 Resp: 111565

Ion Ratio Lower Upper

49 100

129 1.7 0.0 5.4

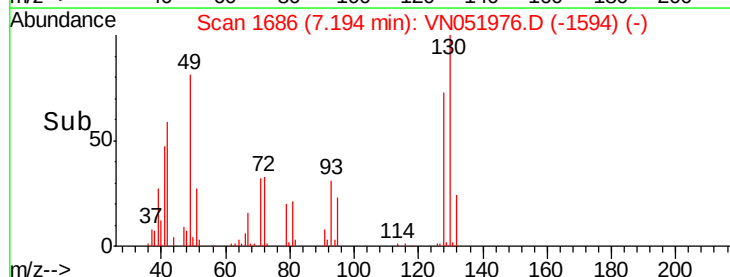
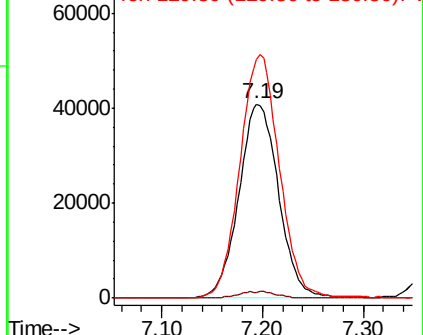
130 124.5 97.0 145.6

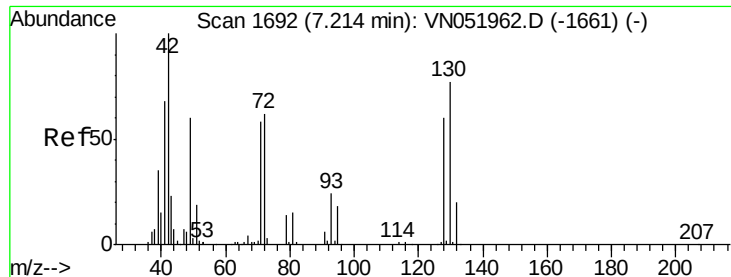


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

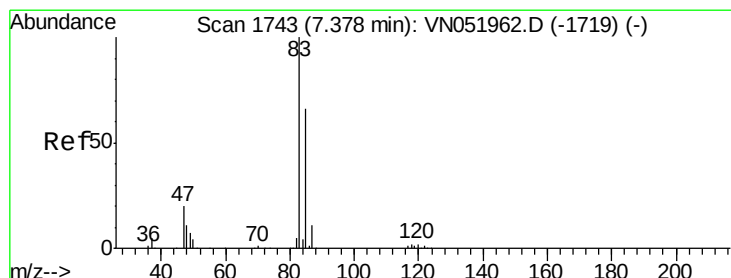
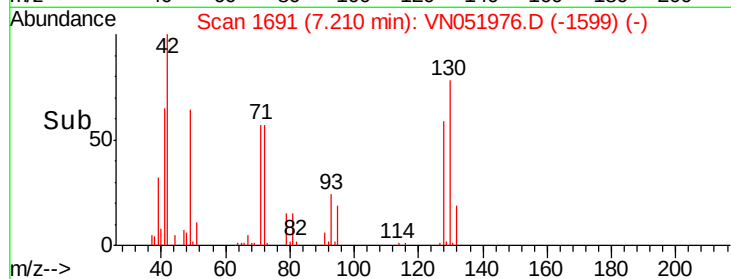
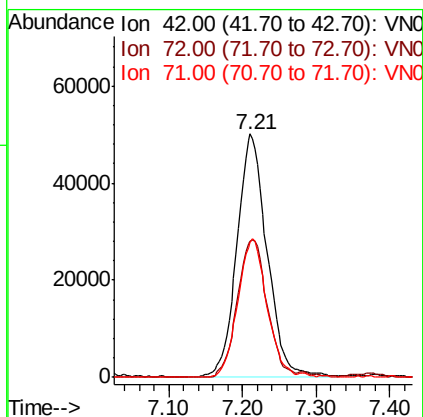
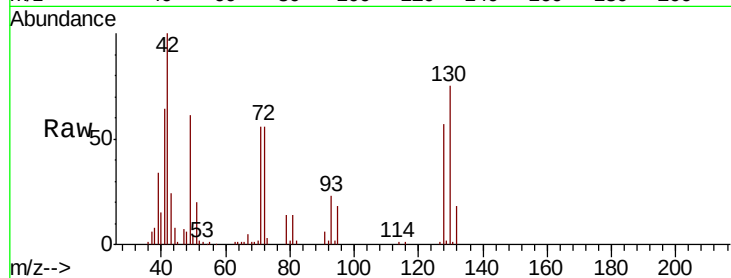




#29
Tetrahydrofuran
Concen: 91.200 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

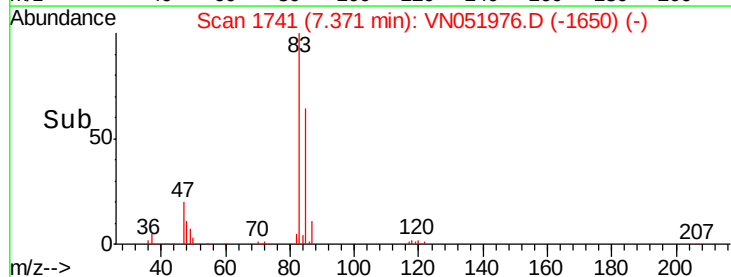
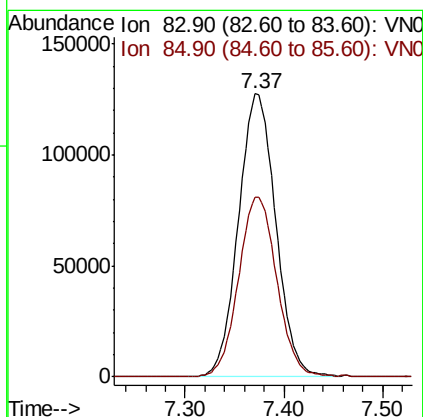
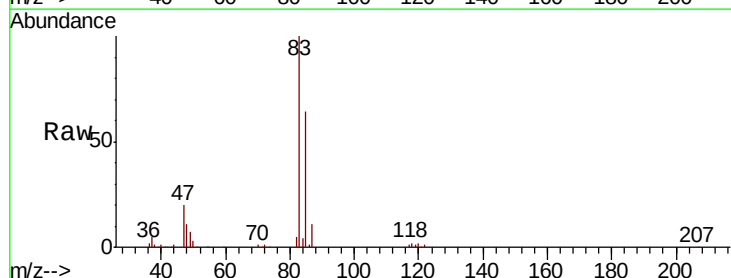
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

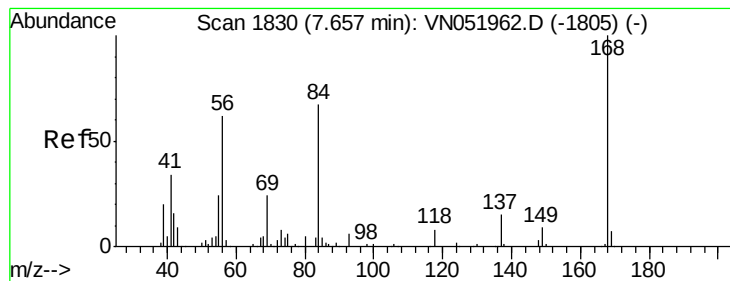
Tot Ion: 42 Resp: 143636
Ion Ratio Lower Upper
42 100
72 55.8 47.5 71.3
71 54.4 45.4 68.2



#30
Chloroform
Concen: 19.032 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 83 Resp: 334171
Ion Ratio Lower Upper
83 100
85 63.6 52.8 79.2





#31

Cyclohexane

Concen: 18.892 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

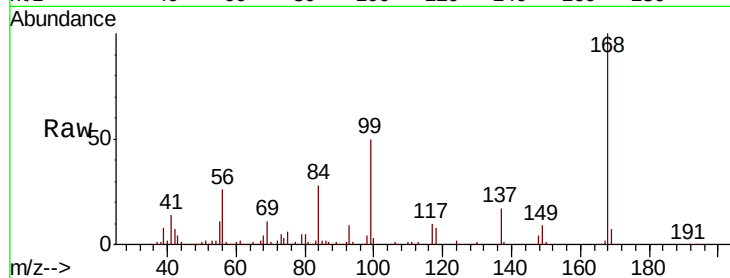
Tot Ion: 56 Resp: 236981

Ion Ratio Lower Upper

56 100

69 42.7 31.2 46.8

84 107.5 86.3 129.5

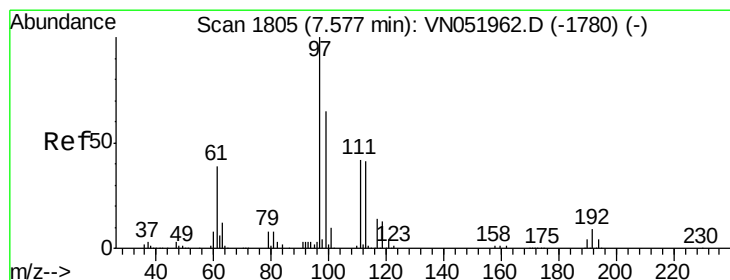
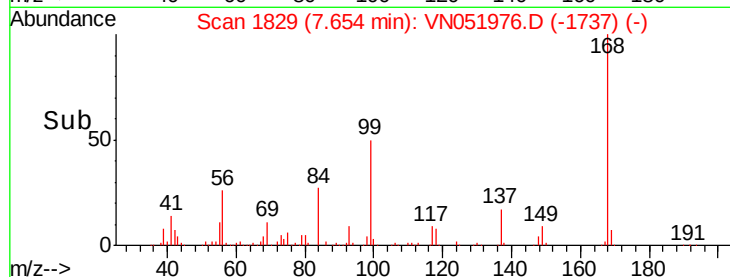
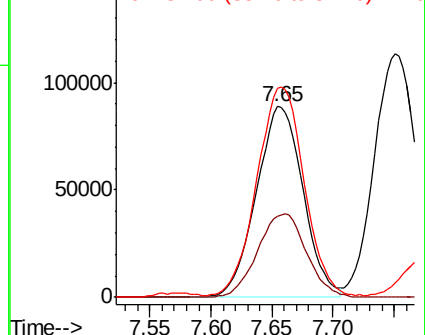


Abundance

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: 19.108 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

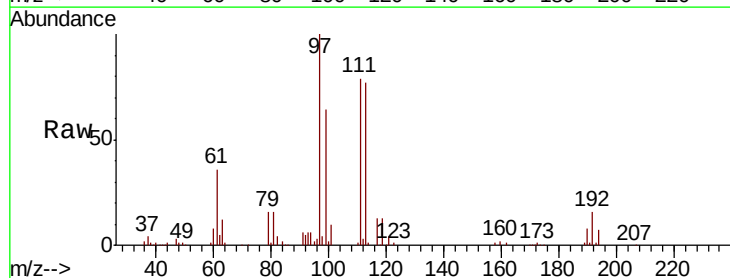
Tgt Ion: 97 Resp: 306785

Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

61 37.2 30.1 45.1

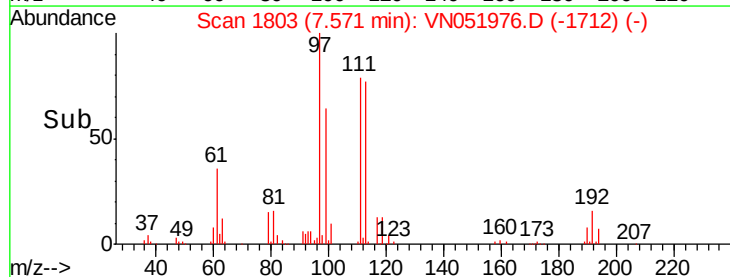
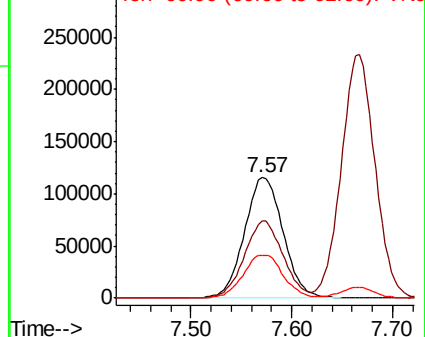


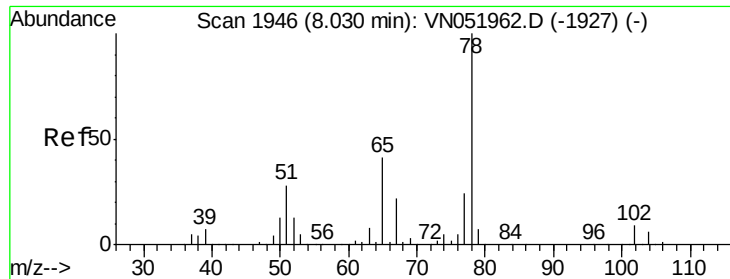
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

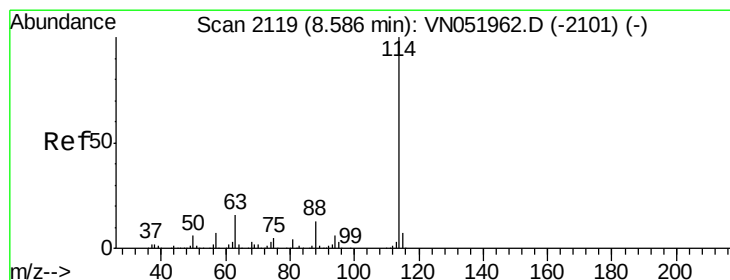
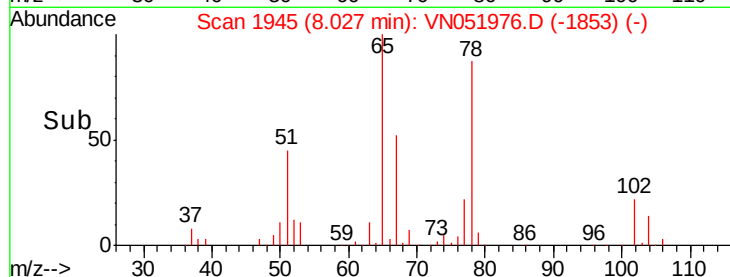
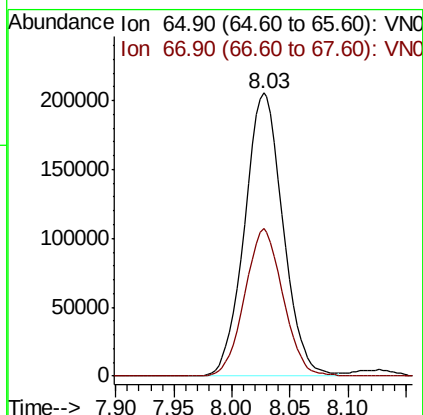
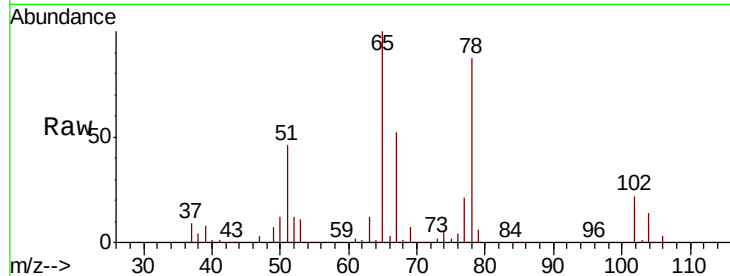




#33
 1,2-Dichloroethane-d4
 Concen: 19.108 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

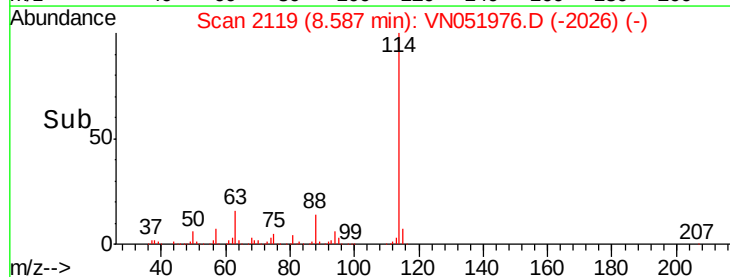
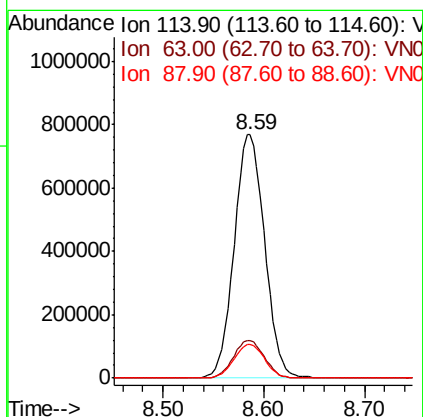
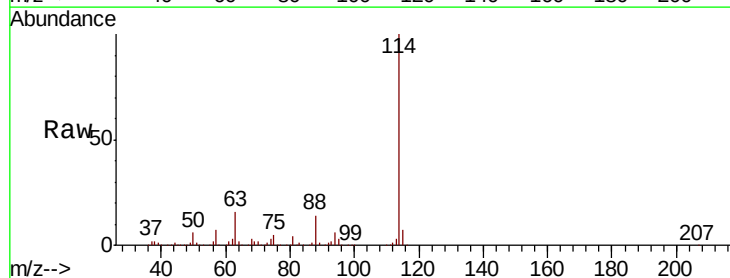
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

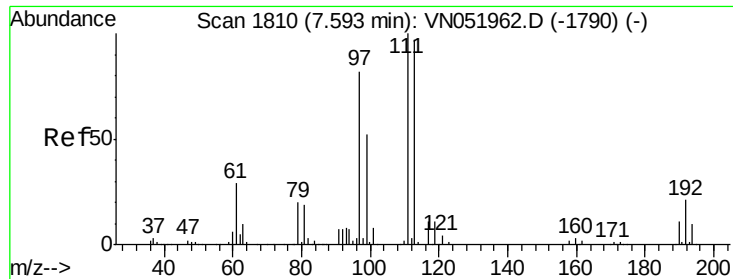
Tot Ion: 65 Resp: 474351
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 114 Resp: 1610261
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 14.0 0.0 27.0

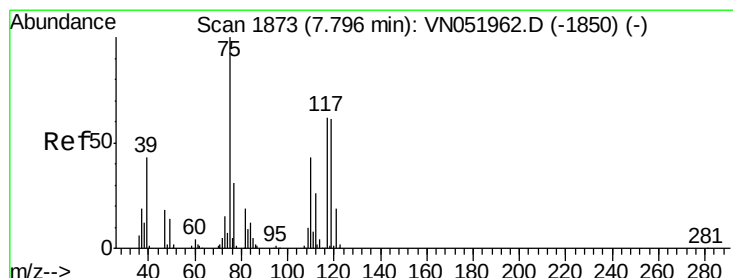
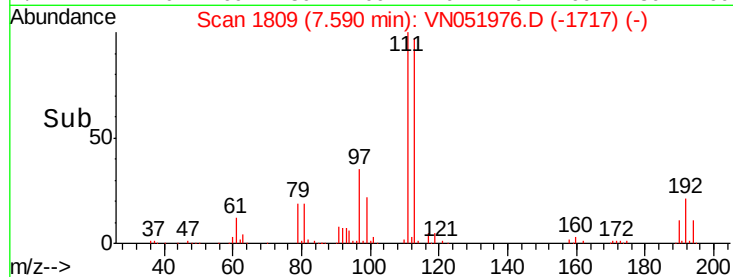
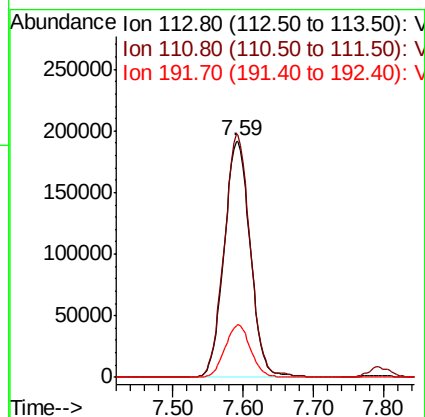
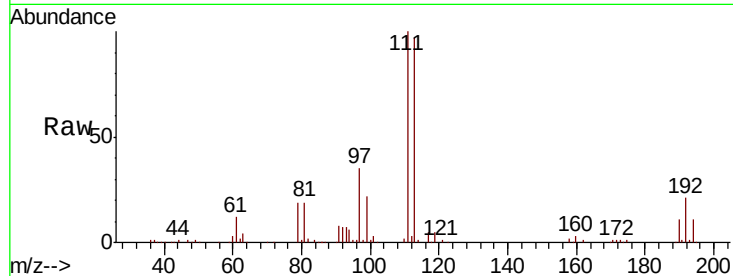




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

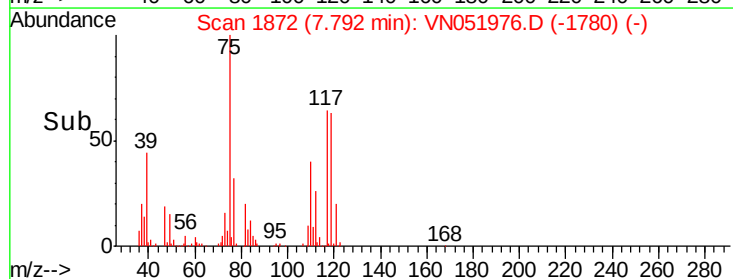
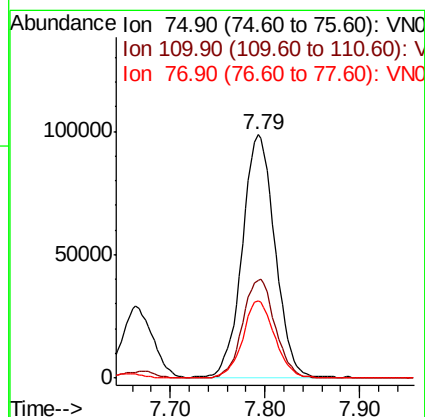
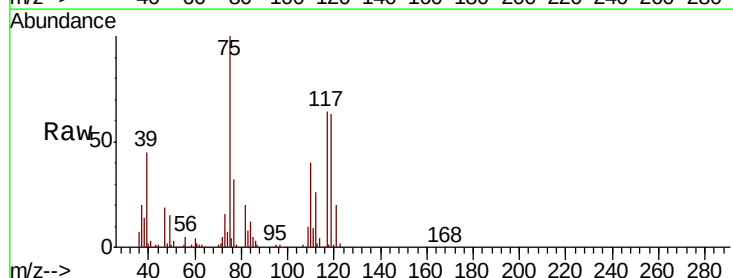
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

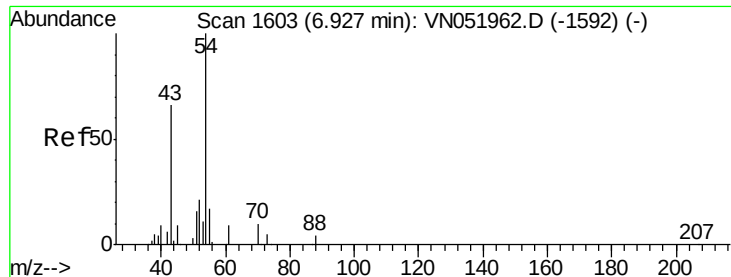
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.7	121.1
192	21.9	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 19.086 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.5	20.9	62.8
77	31.3	24.9	37.3

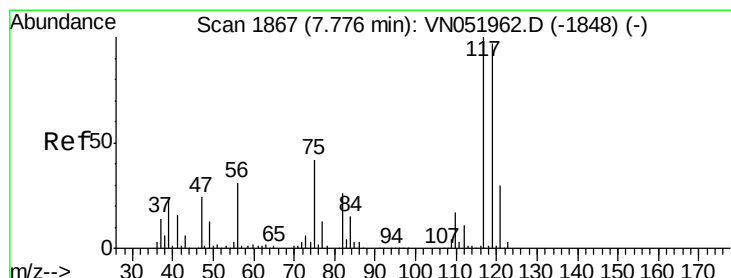
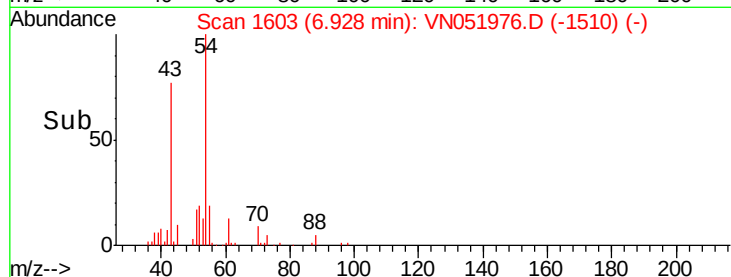
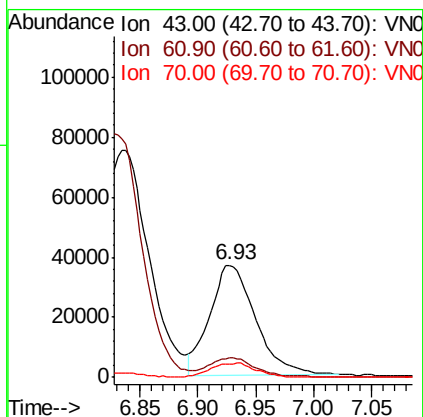
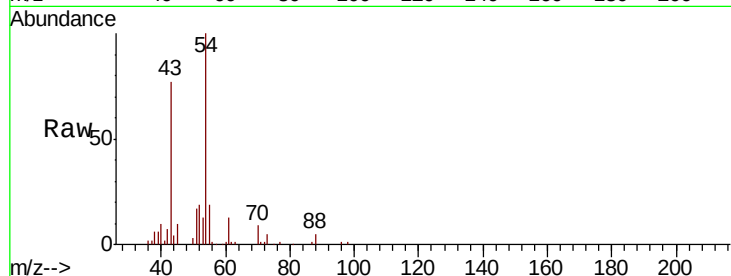




#37
Ethyl Acetate
Concen: 17.119 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

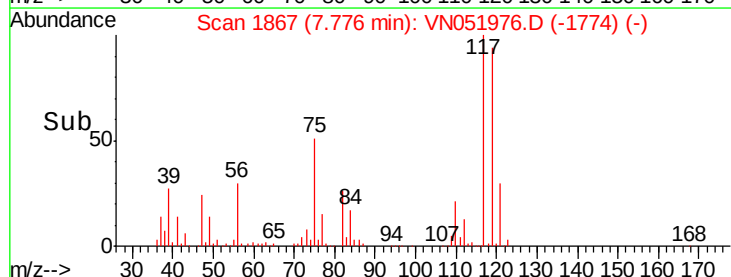
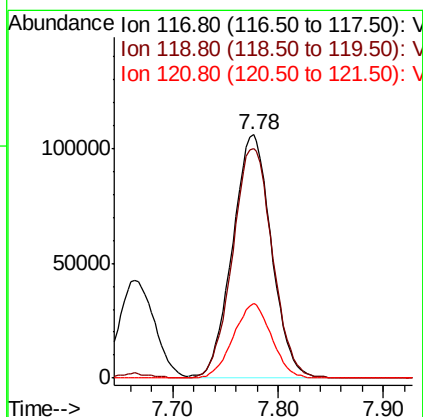
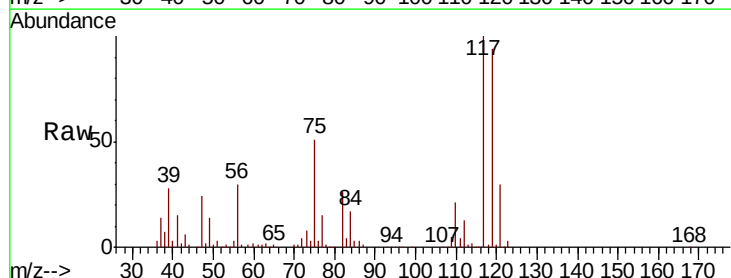
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

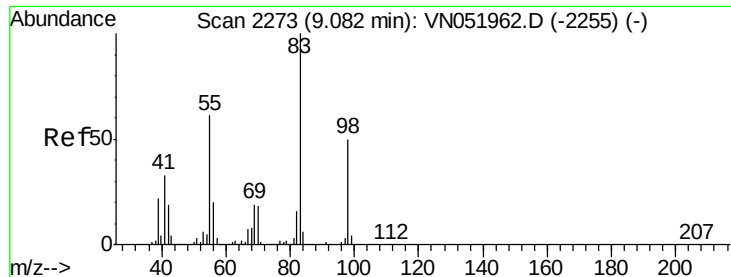
Tot Ion: 43 Resp: 101438
Ion Ratio Lower Upper
43 100
61 16.9 13.5 20.3
70 12.9 9.8 14.6



#38
Carbon Tetrachloride
Concen: 19.108 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 117 Resp: 270961
Ion Ratio Lower Upper
117 100
119 94.4 77.4 116.0
121 30.5 24.2 36.4

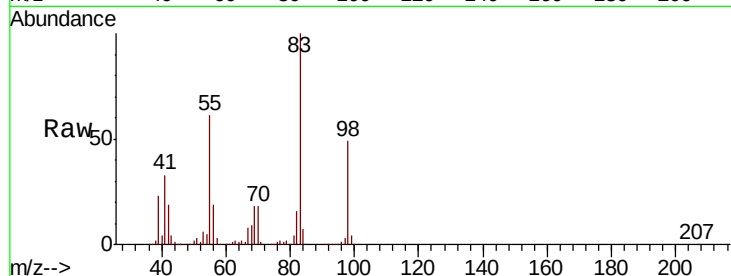




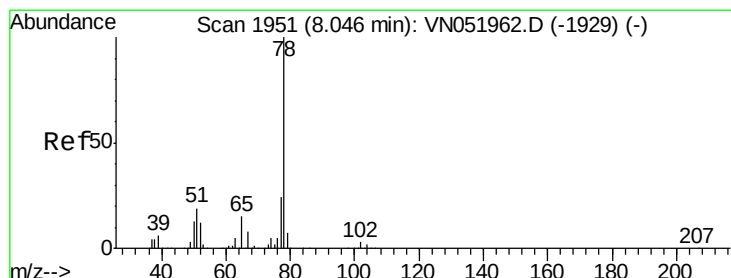
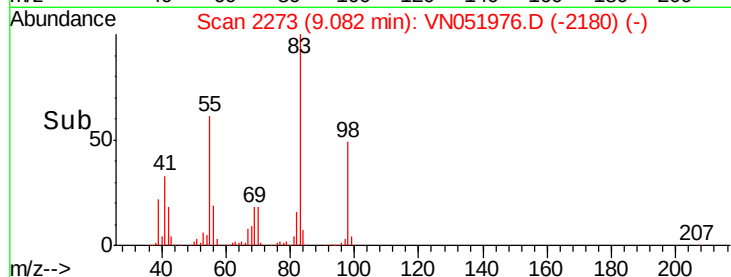
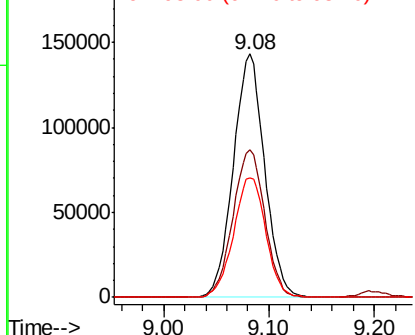
#39
Methylvlcyclohexane
Concen: 19.489 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion: 83 Resp: 294030
Ion Ratio Lower Upper
83 100
55 60.7 48.9 73.3
98 49.2 40.2 60.2

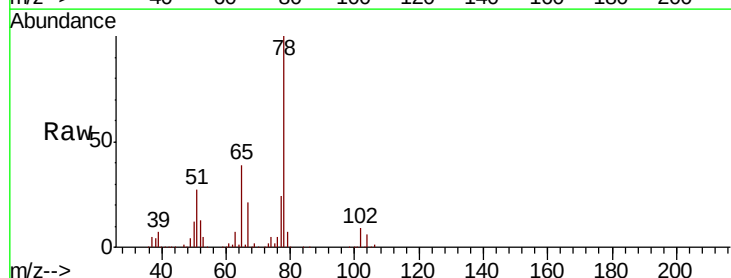


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

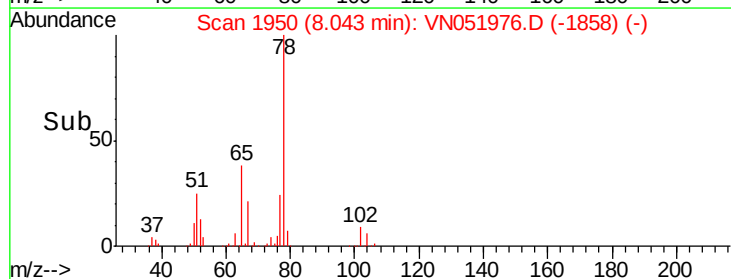
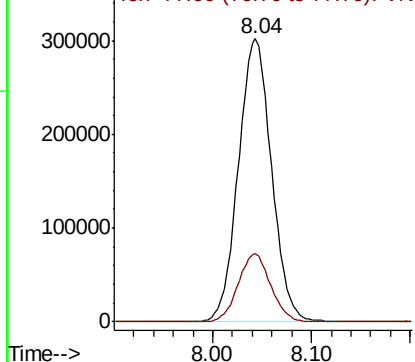


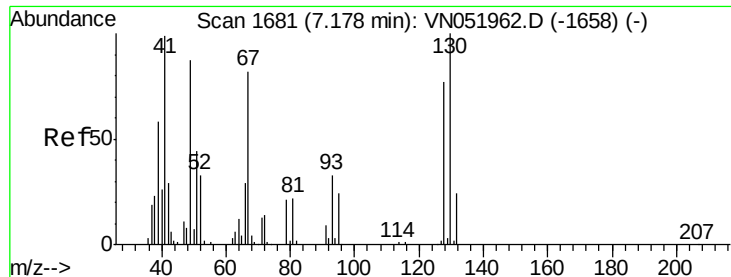
#40
Benzene
Concen: 19.139 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 78 Resp: 701933
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



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





#41

Methacrylonitrile

Concen: 17.730 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

Tot Ion: 41 Resp: 49212

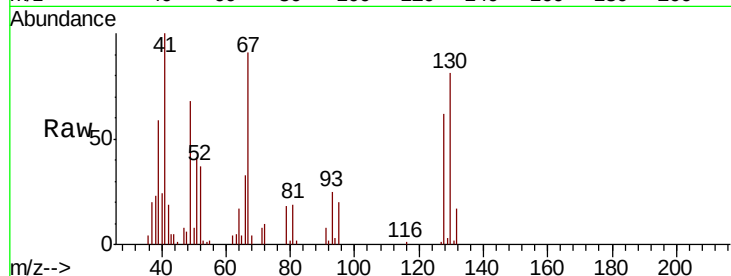
Ion Ratio Lower Upper

41 100

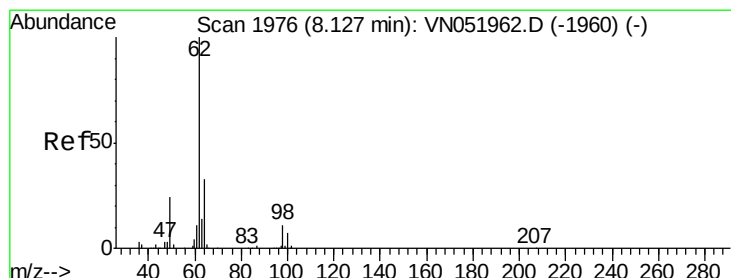
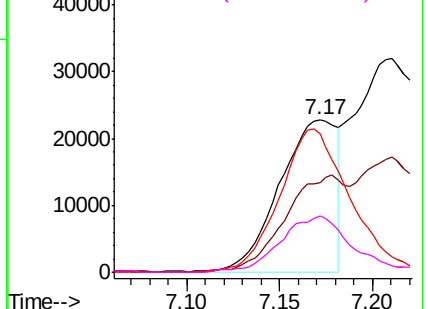
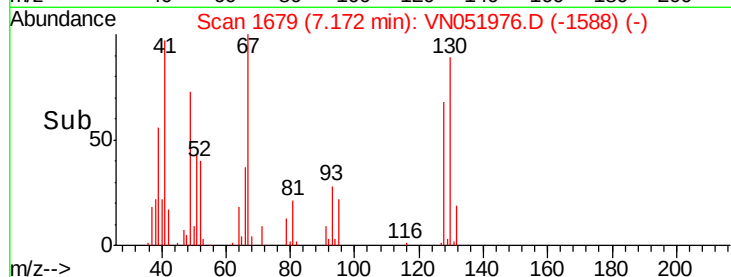
39 68.7 53.1 79.7

67 116.0 93.8 140.6

52 46.0 35.2 52.8



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



#42

1,2-Dichloroethane

Concen: 18.854 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051976.D

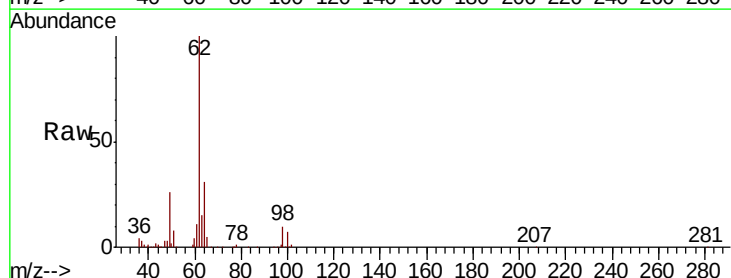
Acq: 24 Oct 2018 9:45

Tgt Ion: 62 Resp: 221702

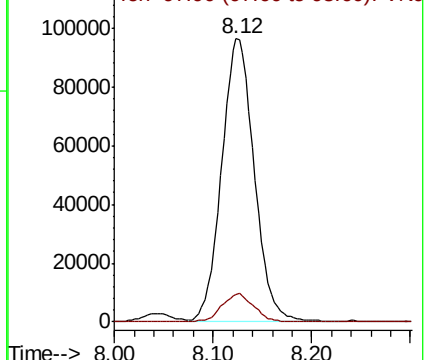
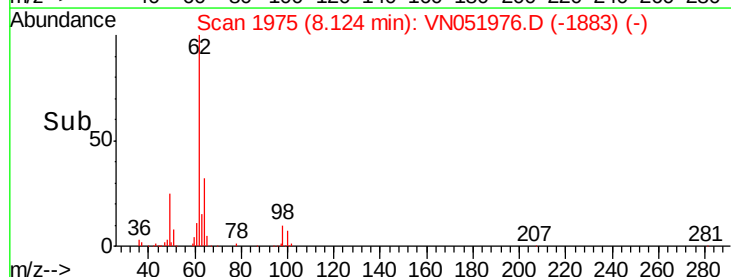
Ion Ratio Lower Upper

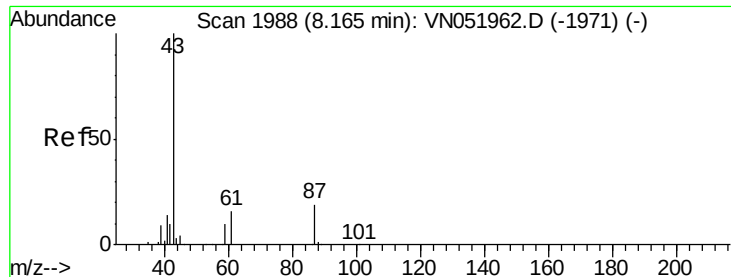
62 100

98 9.8 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 18.751 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

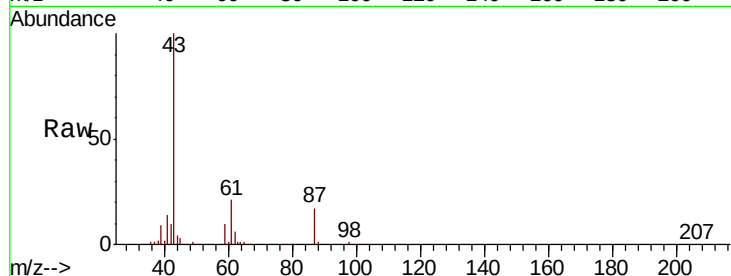
Tot Ion: 43 Resp: 193974

Ion Ratio Lower Upper

43 100

61 33.6 17.2 25.8#

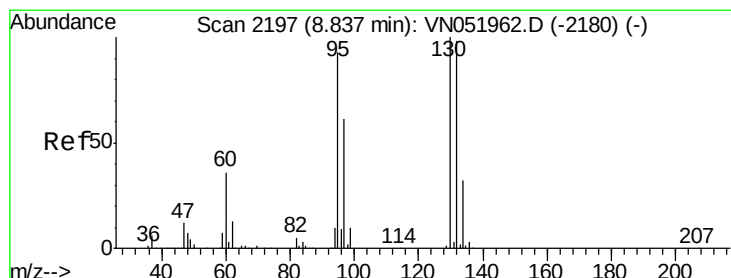
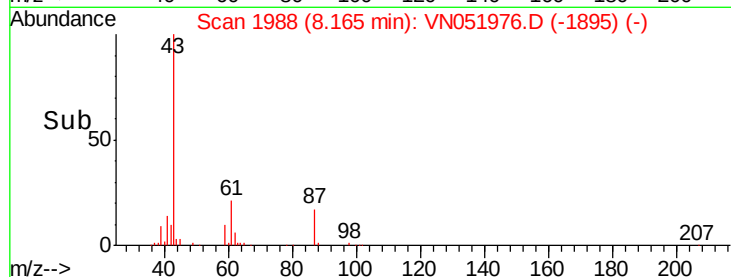
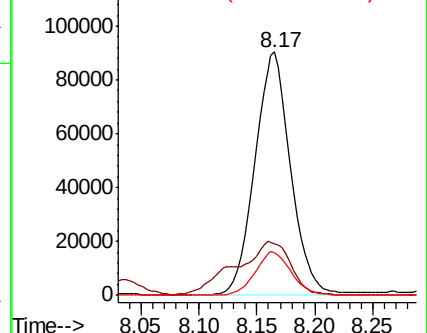
87 17.7 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 19.053 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051976.D

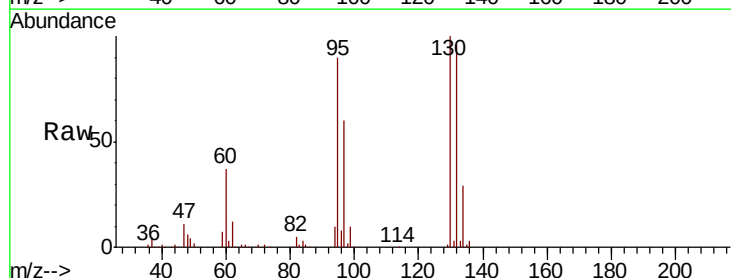
Acq: 24 Oct 2018 9:45

Tgt Ion:130 Resp: 224295

Ion Ratio Lower Upper

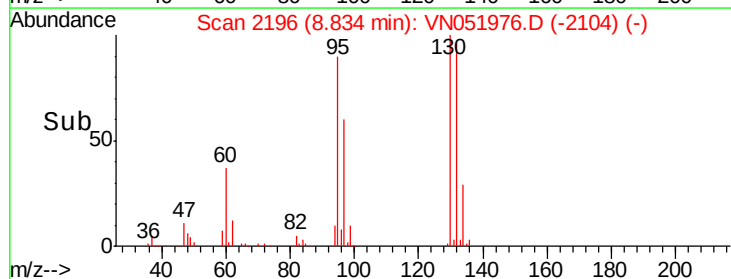
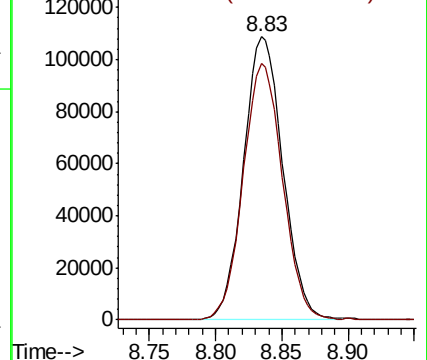
130 100

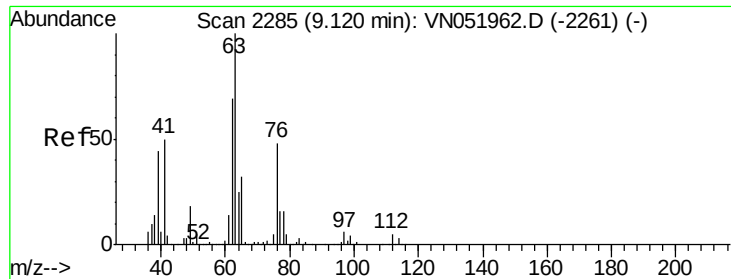
95 90.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.442 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

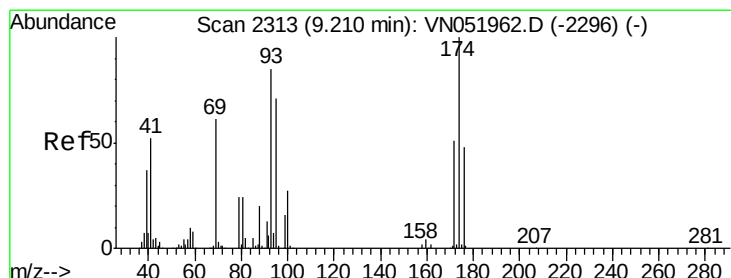
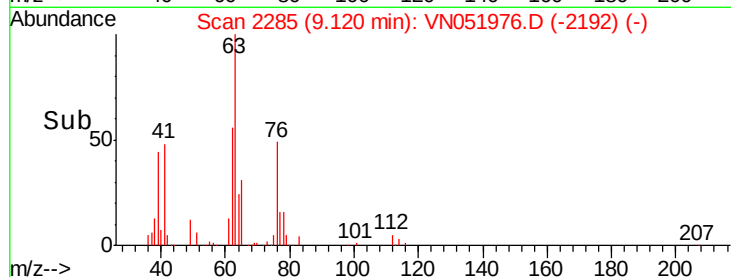
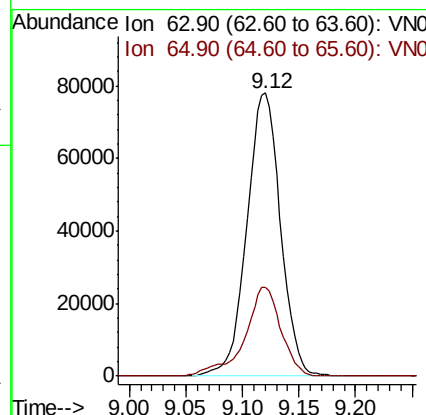
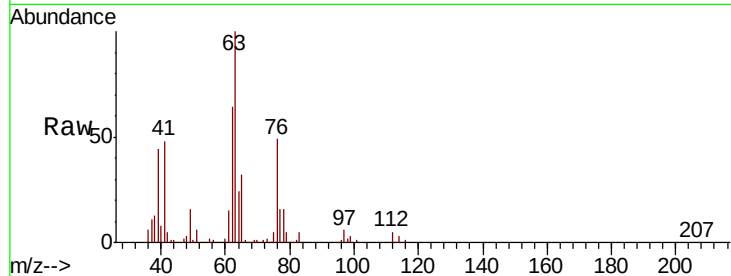
VN1024WBS01

Tot Ion: 63 Resp: 161296

Ion Ratio Lower Upper

63 100

65 31.6 25.8 38.6



#46

Dibromomethane

Concen: 18.837 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

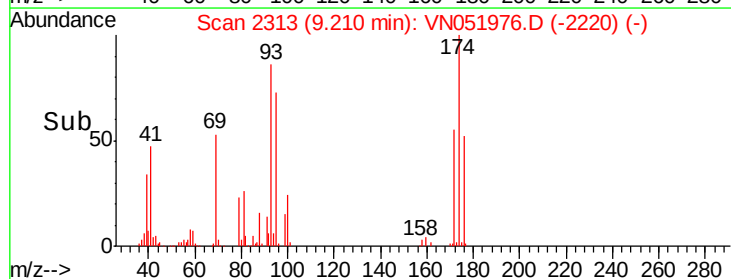
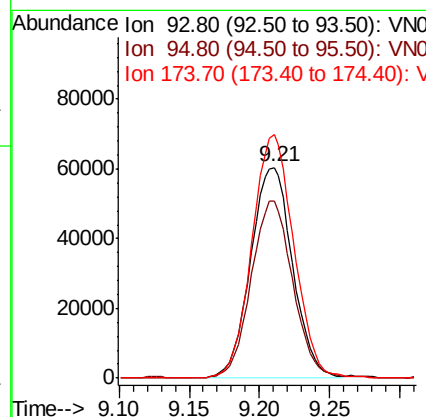
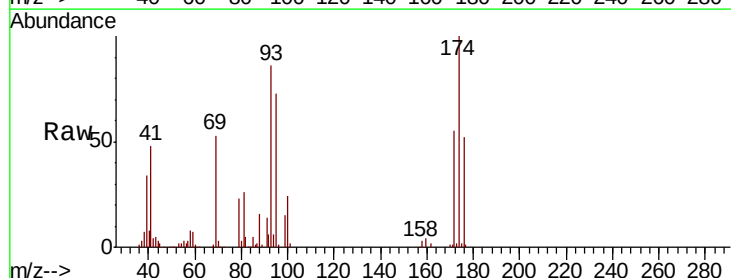
Tgt Ion: 93 Resp: 125976

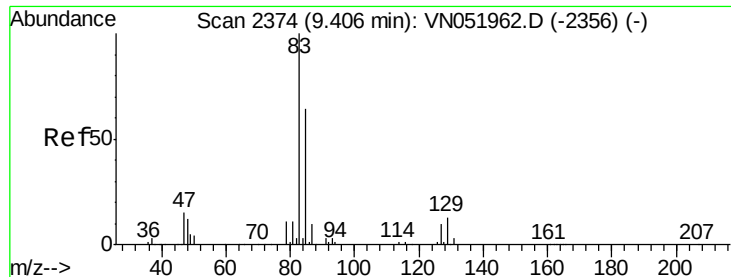
Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

174 115.2 93.8 140.6

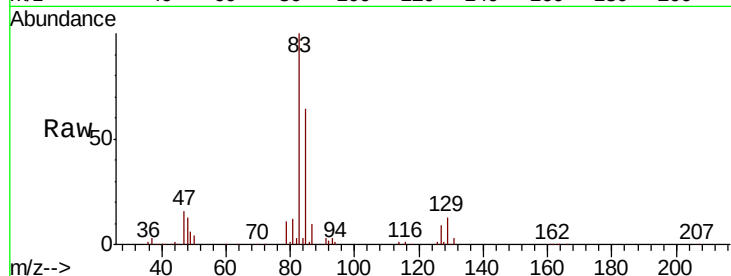




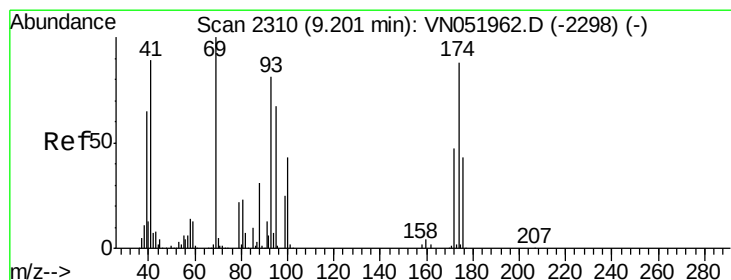
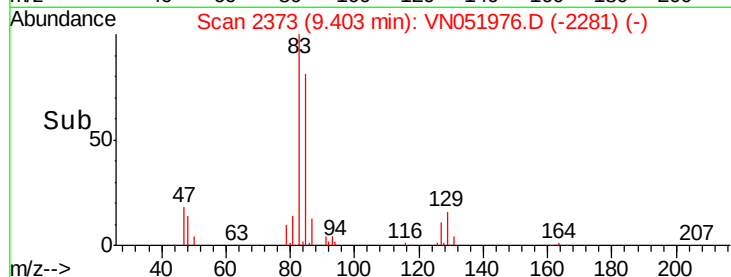
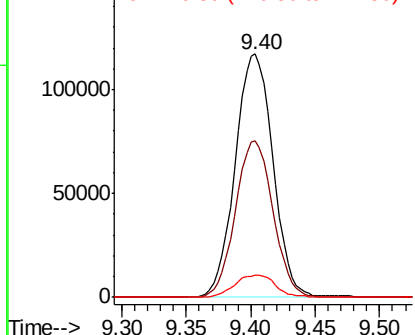
#47
Bromodichloromethane
Concen: 18.924 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion: 83 Resp: 239024
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.4
127 8.9 7.8 11.8

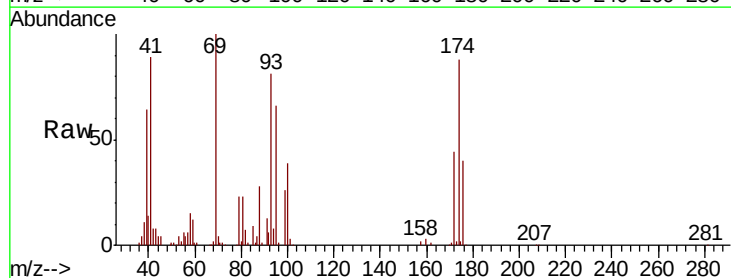


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

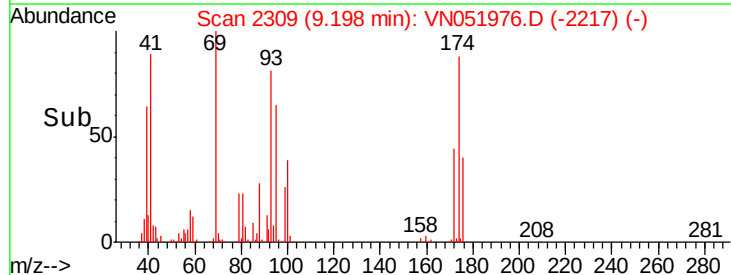
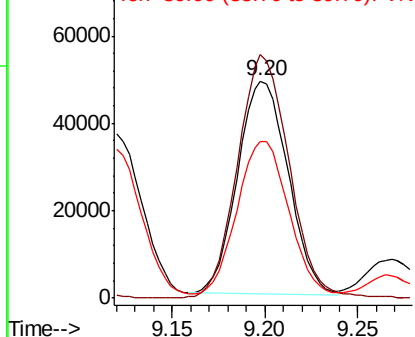


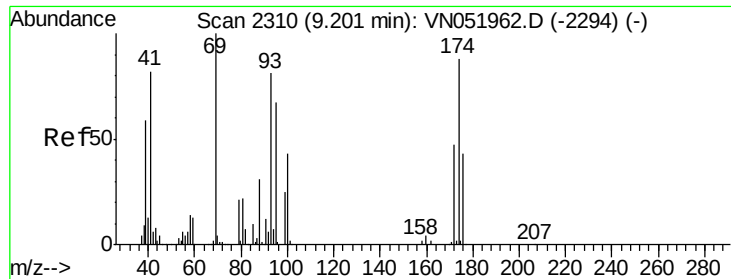
#48
Methyl methacrylate
Concen: 18.533 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 41 Resp: 92664
Ion Ratio Lower Upper
41 100
69 116.6 92.2 138.4
39 75.1 60.2 90.4



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





#49

1,4-Dioxane

Concen: 367.057 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

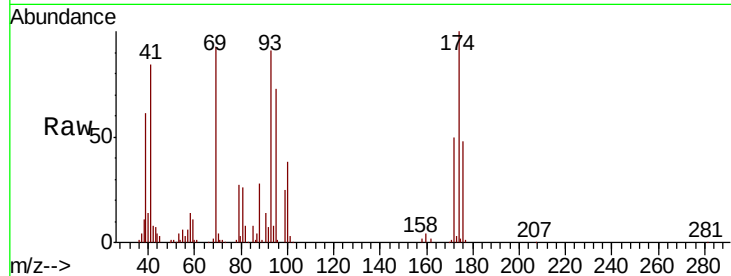
Tot Ion: 88 Resp: 33653

Ion Ratio Lower Upper

88 100

43 25.4 18.8 28.2

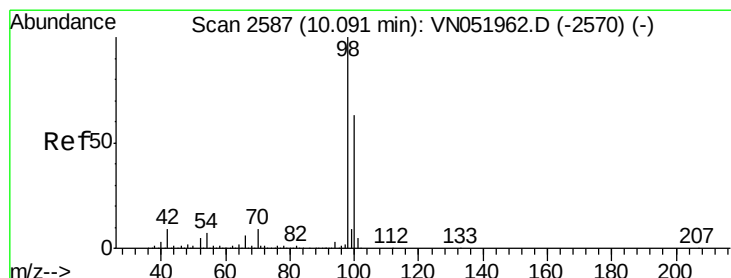
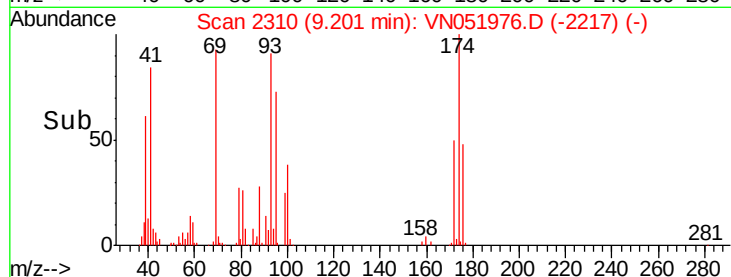
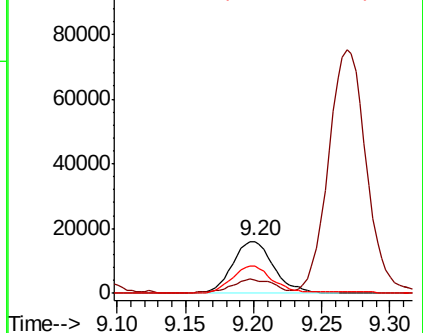
58 51.6 39.8 59.6



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: 367.057 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051976.D

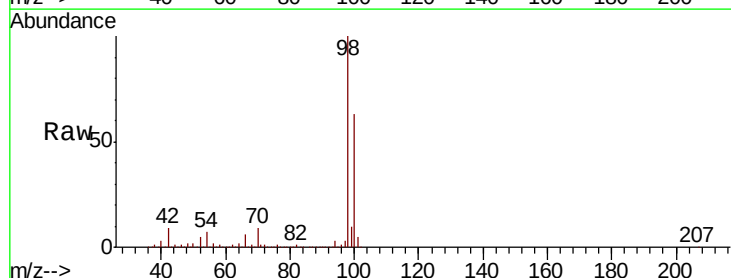
Acq: 24 Oct 2018 9:45

Tgt Ion: 98 Resp: 1796870

Ion Ratio Lower Upper

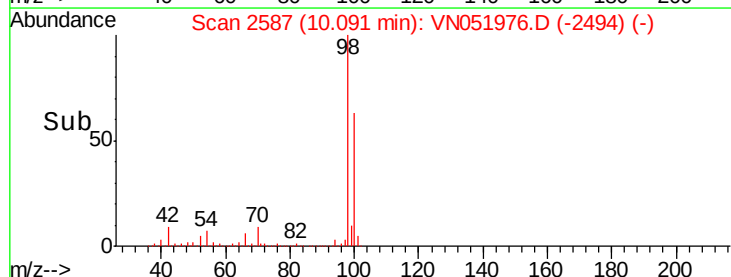
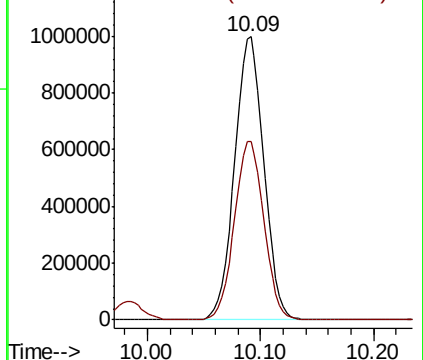
98 100

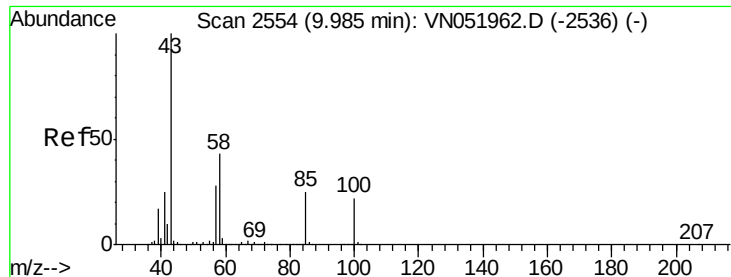
100 63.5 50.7 76.1



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: 91.441 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

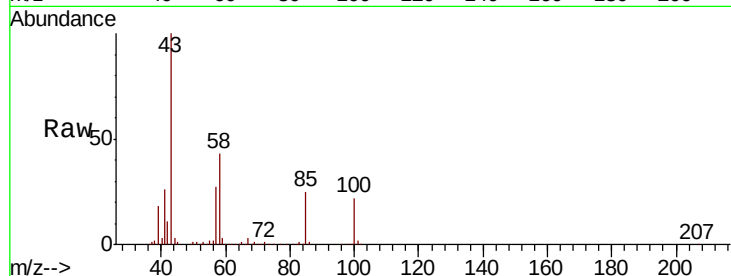
VN1024WBS01

Tot Ion: 43 Resp: 520317

Ion Ratio Lower Upper

43 100

58 43.8 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.98

300000

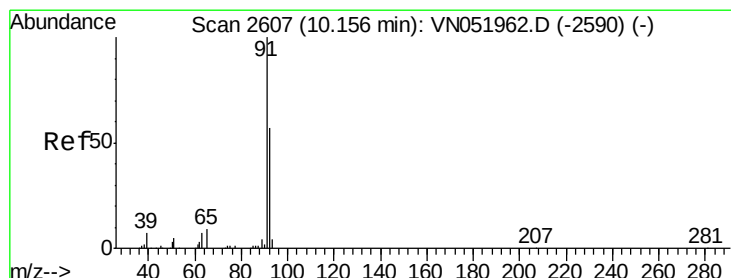
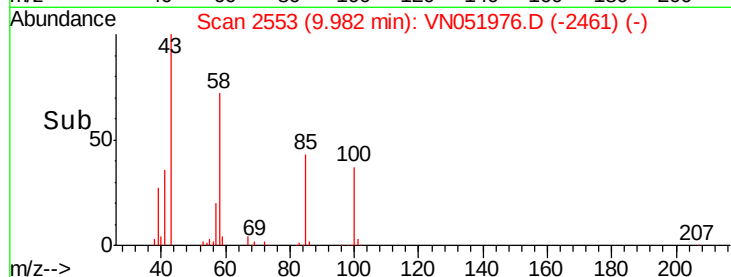
200000

100000

0

9.90 9.95 10.00 10.05 10.10

Time-->



#52

Toluene

Concen: 19.159 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051976.D

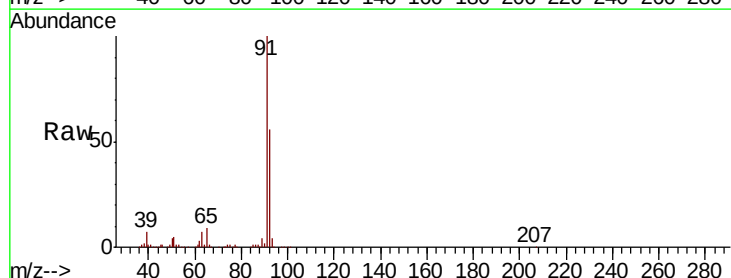
Acq: 24 Oct 2018 9:45

Tgt Ion: 92 Resp: 476473

Ion Ratio Lower Upper

92 100

91 178.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

10.16

500000

400000

300000

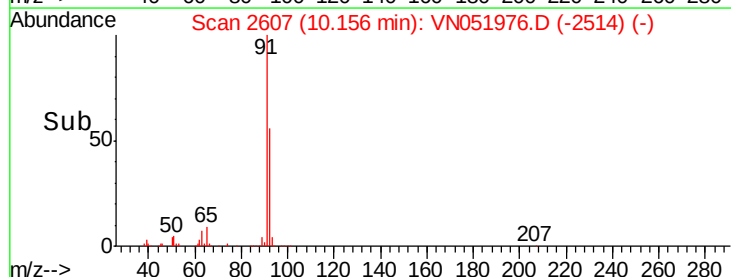
200000

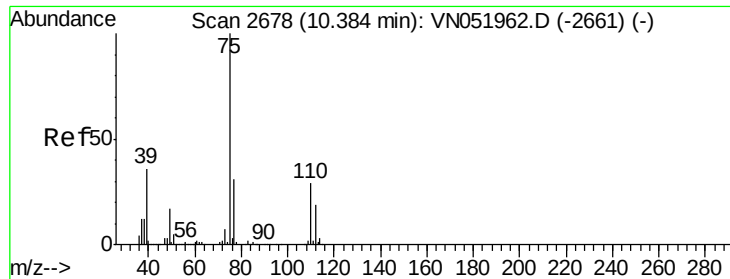
100000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.111 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

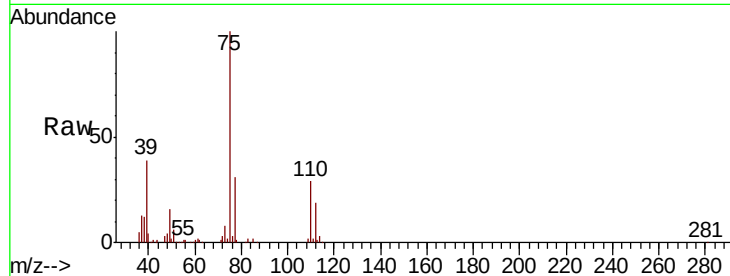
VN1024WBS01

Tot Ion: 75 Resp: 223113

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

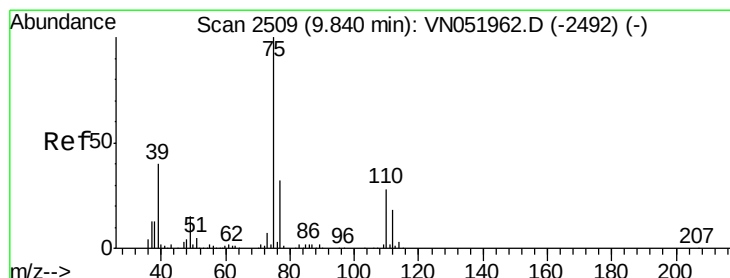
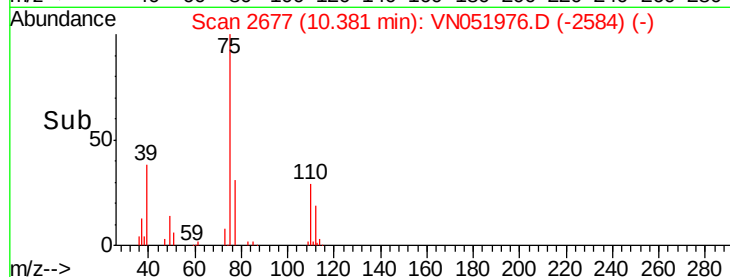
10.38

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.496 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

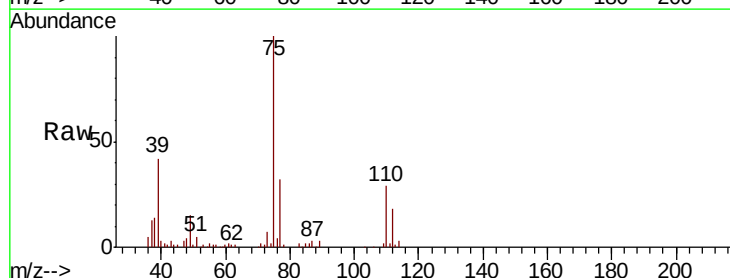
Tgt Ion: 75 Resp: 257380

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 42.1 32.0 48.0



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

9.84

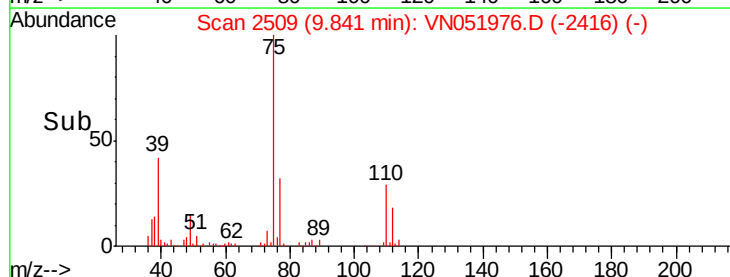
150000

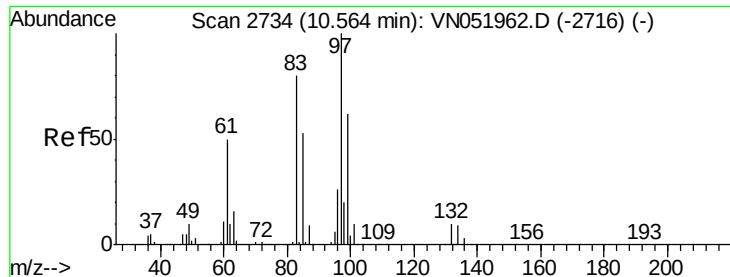
100000

50000

0

Time-->

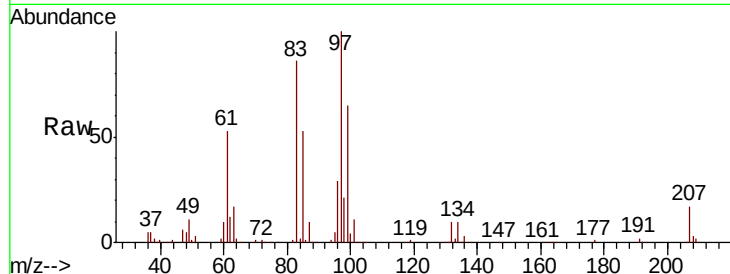




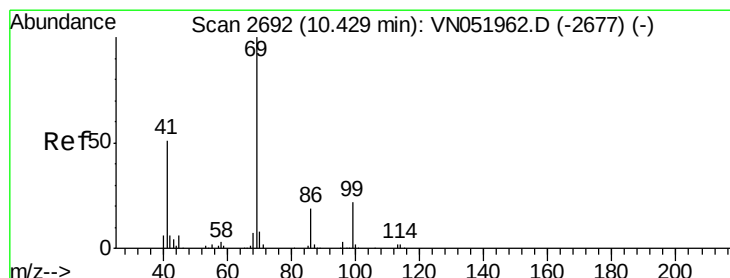
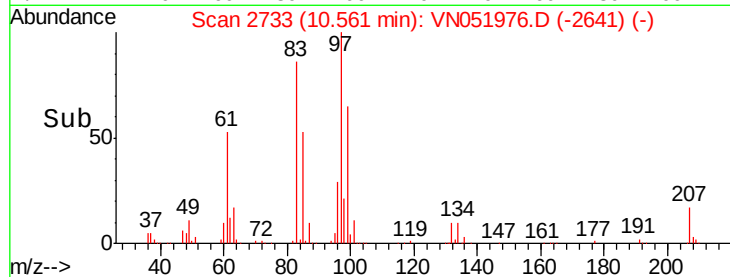
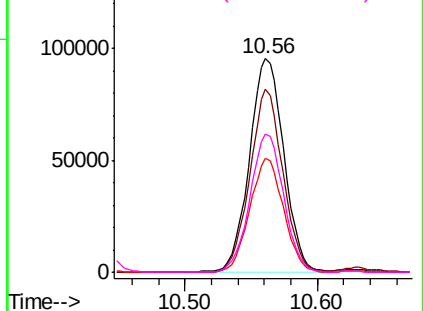
#55
 1,1,2-Trichloroethane
 Concen: 18.815 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion:	97	Resp:	172890
Ion	Ratio	Lower	Upper
97	100		
83	85.7	64.0	96.0
85	53.3	42.4	63.6
99	64.5	49.4	74.2

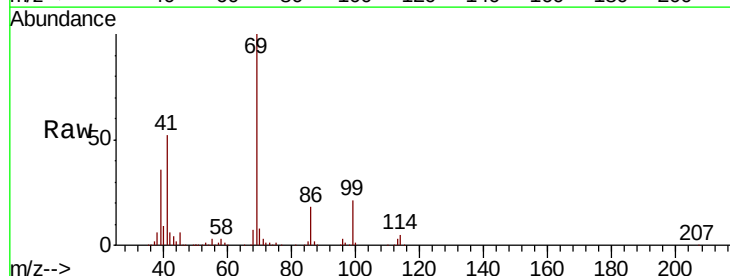


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

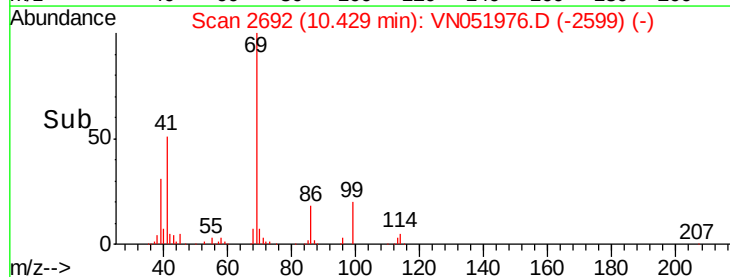
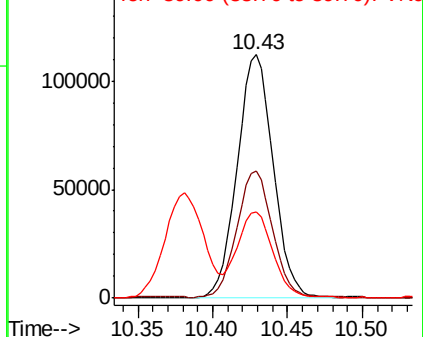


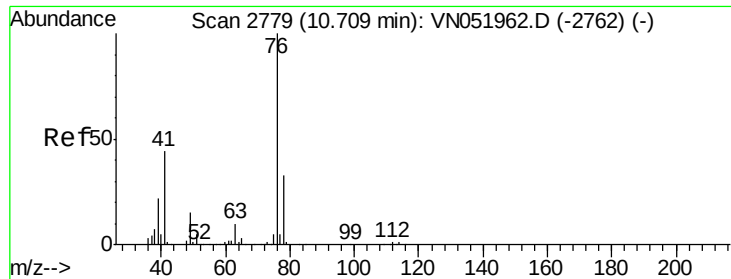
#56
 Ethyl methacrylate
 Concen: 19.069 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion:	69	Resp:	188353
Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	34.8	29.3	43.9



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

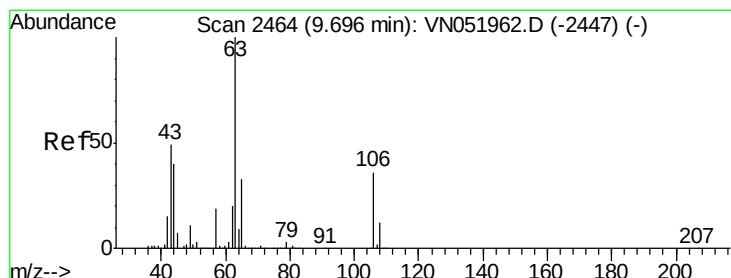
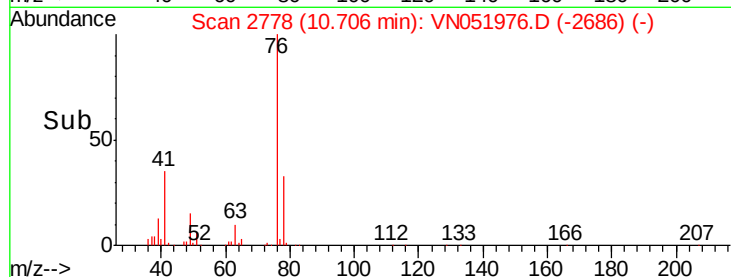
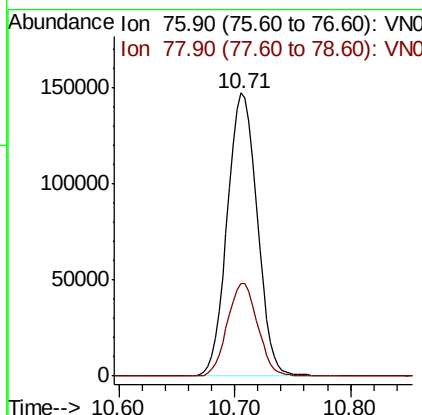
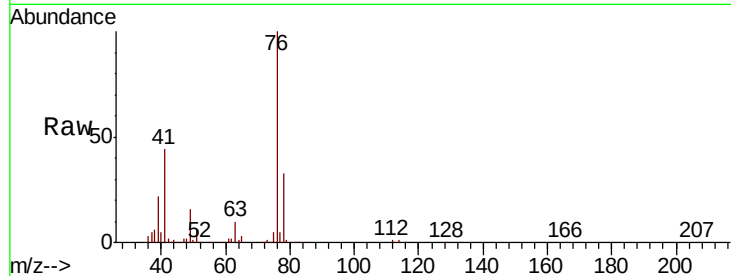




#57
 1,3-Dichloropropane
 Concen: 18.922 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

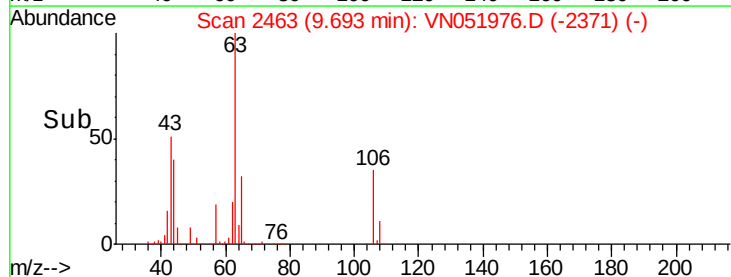
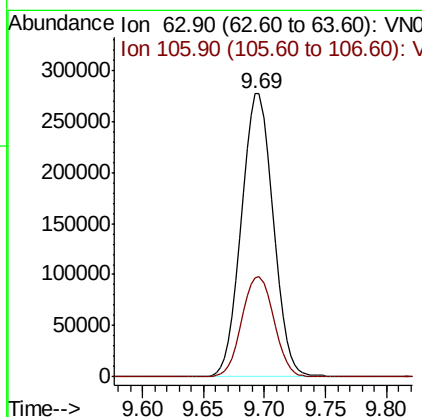
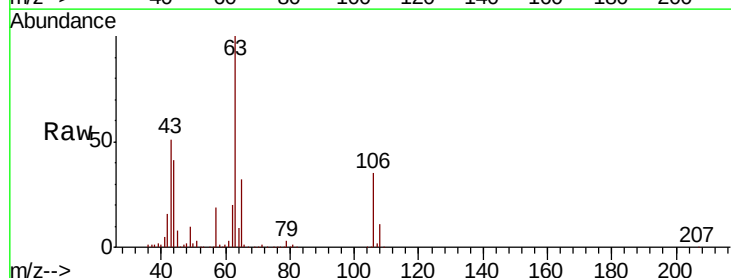
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

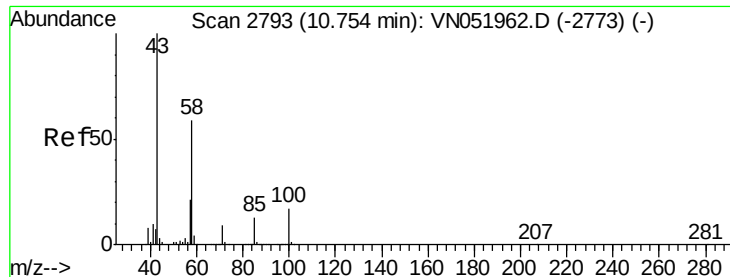
Tot Ion: 76 Resp: 263961
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.603 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 63 Resp: 499269
 Ion Ratio Lower Upper
 63 100
 106 35.7 28.3 42.5

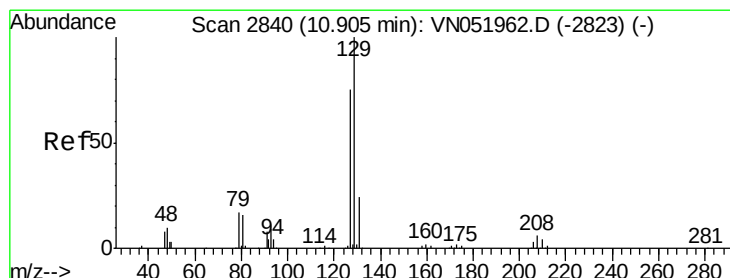
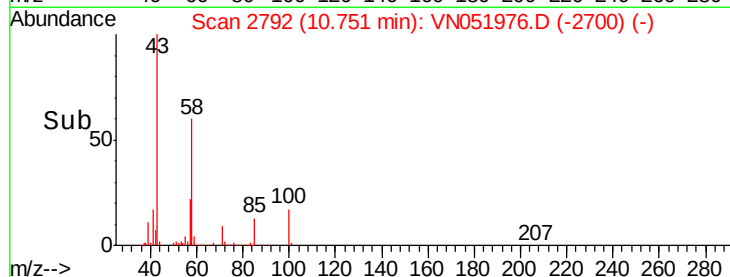
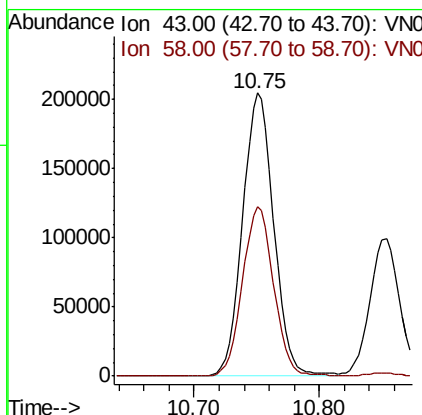
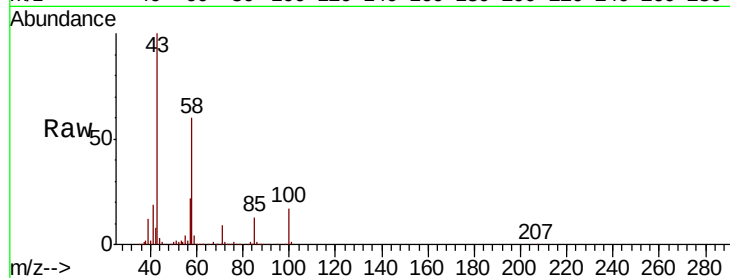




#59
2-Hexanone
Concen: 92.022 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

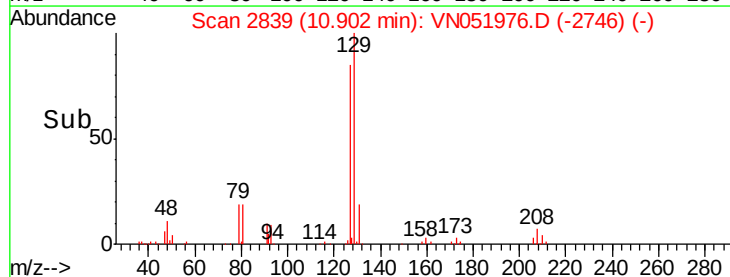
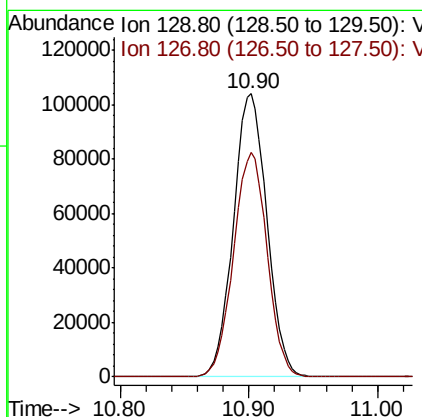
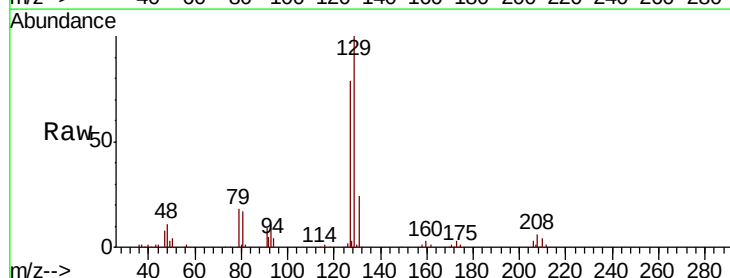
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

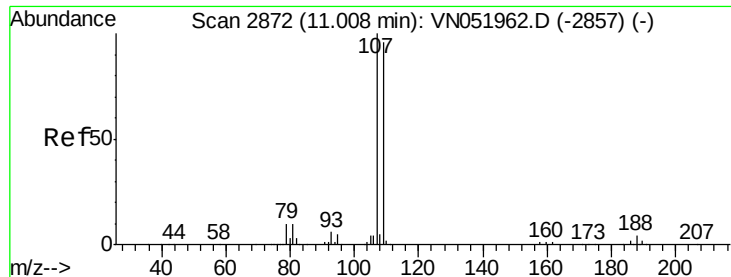
Tot Ion: 43 Resp: 351819
Ion Ratio Lower Upper
43 100
58 60.3 29.9 89.8



#60
Dibromochloromethane
Concen: 17.397 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 129 Resp: 188190
Ion Ratio Lower Upper
129 100
127 79.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 18.901 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

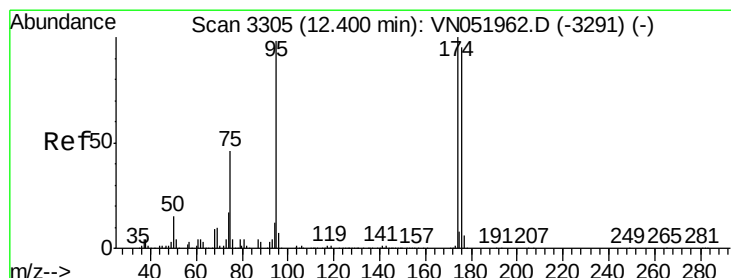
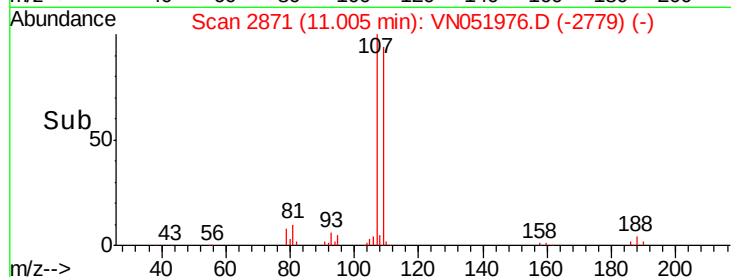
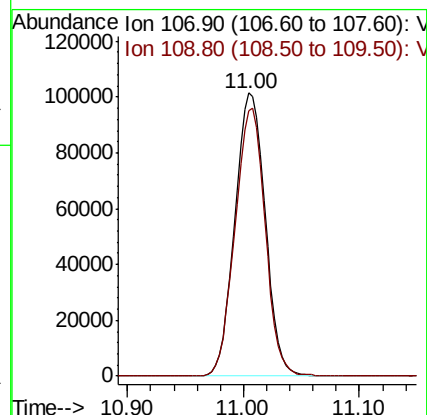
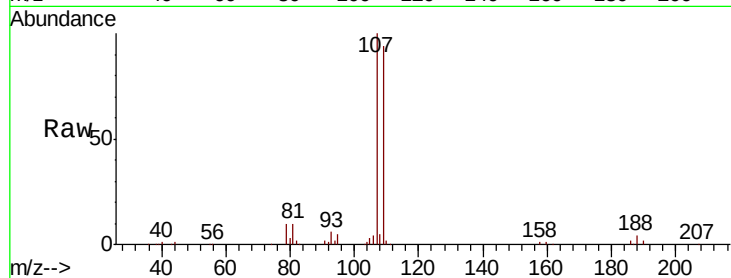
VN1024WBS01

Tot Ion:107 Resp: 183118

Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 18.901 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

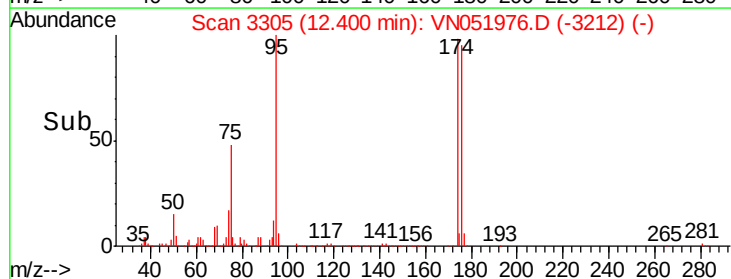
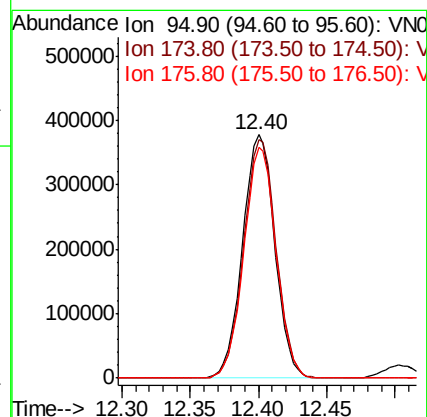
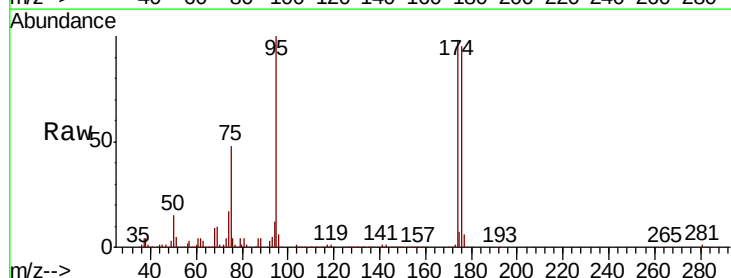
Tgt Ion: 95 Resp: 618726

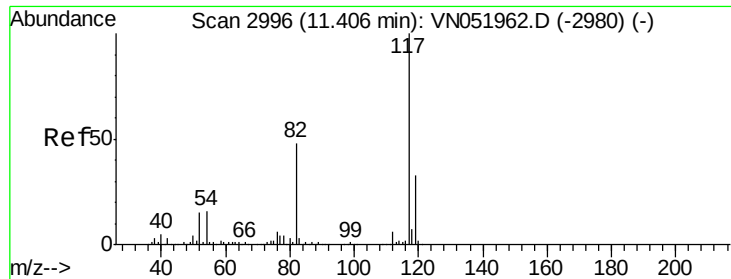
Ion Ratio Lower Upper

95 100

174 98.9 0.0 206.0

176 94.8 0.0 198.0

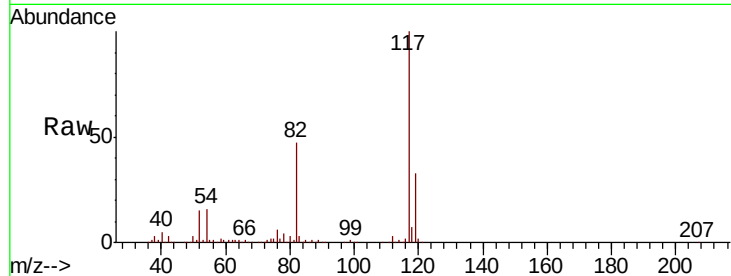




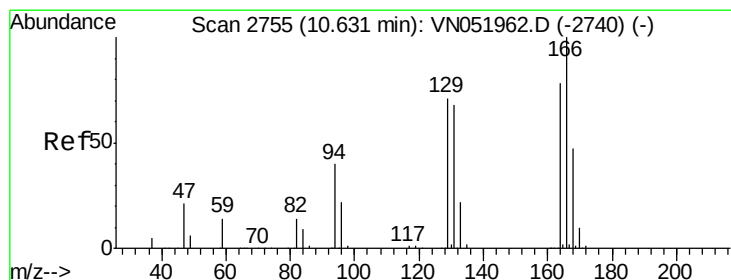
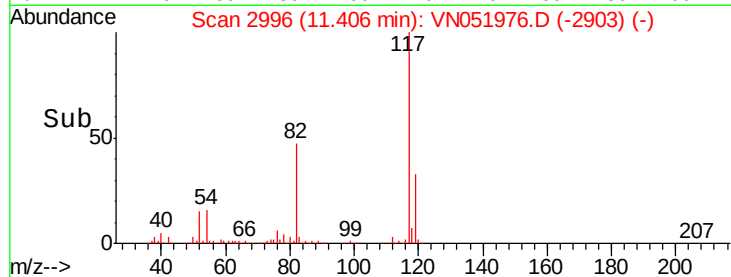
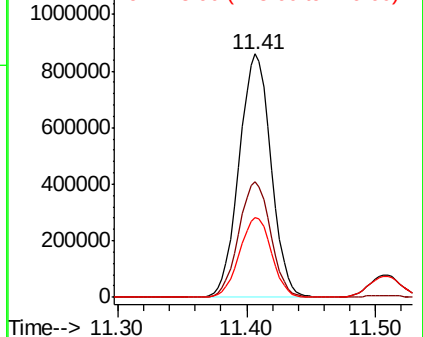
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion:117 Resp: 1481067
Ion Ratio Lower Upper
117 100
82 47.3 38.1 57.1
119 32.9 26.4 39.6

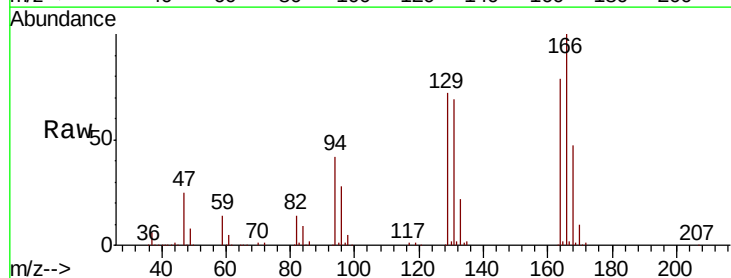


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

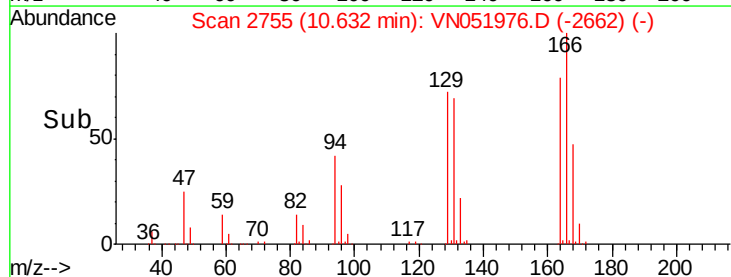
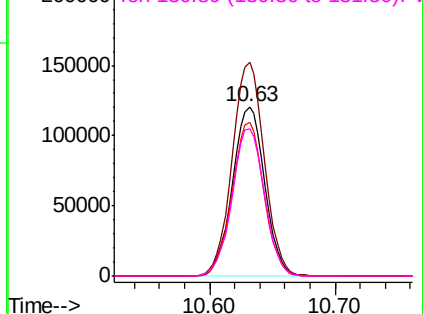


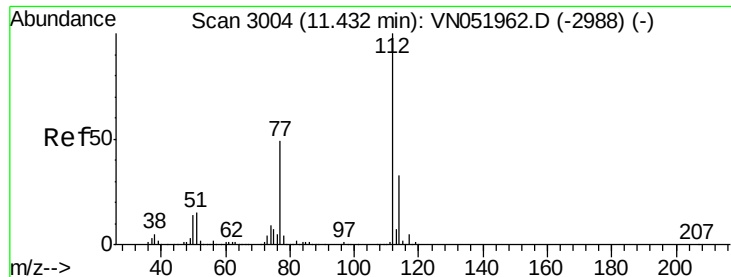
#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion:164 Resp: 214518
Ion Ratio Lower Upper
164 100
166 126.2 103.1 154.7
129 91.0 73.6 110.4
131 87.0 70.3 105.5



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

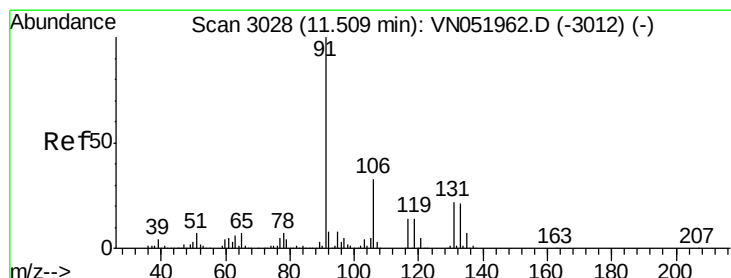
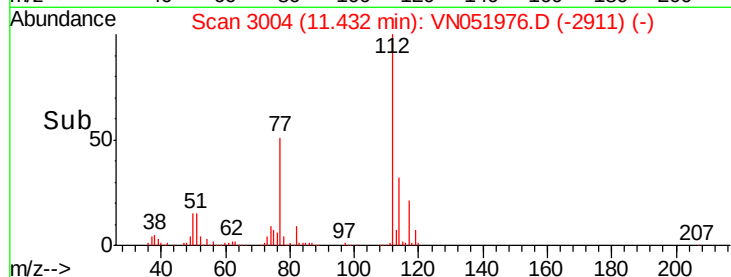
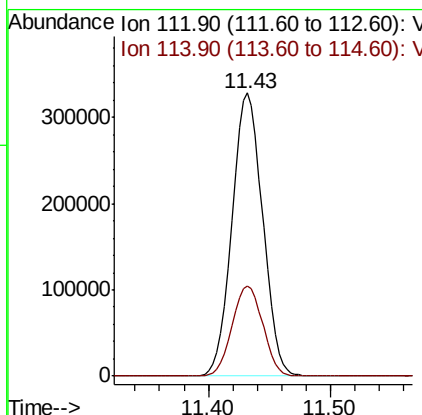
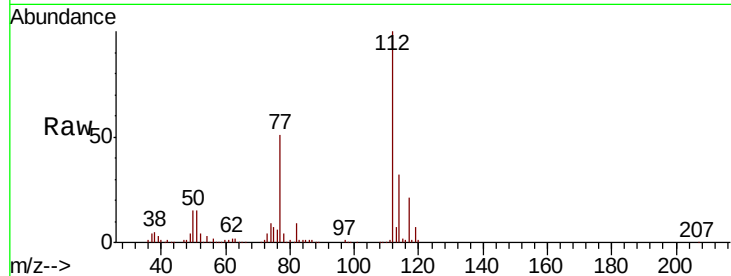




#65
Chlorobenzene
Concen: 19.145 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

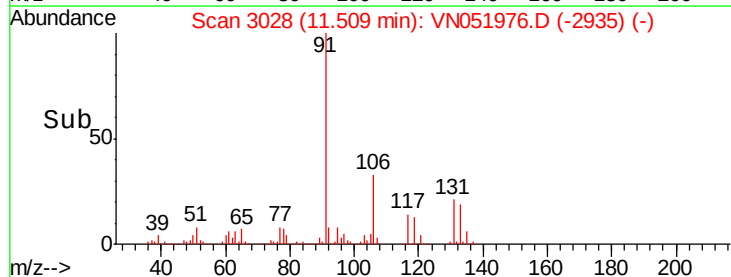
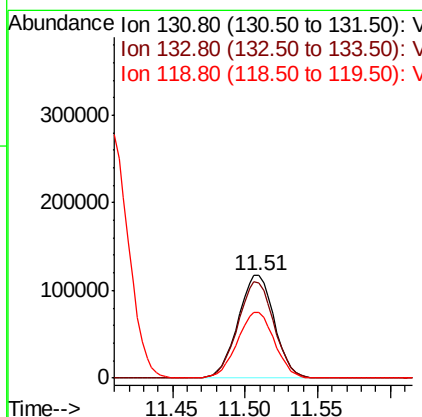
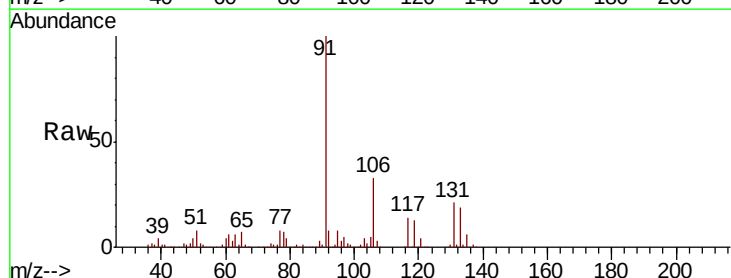
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

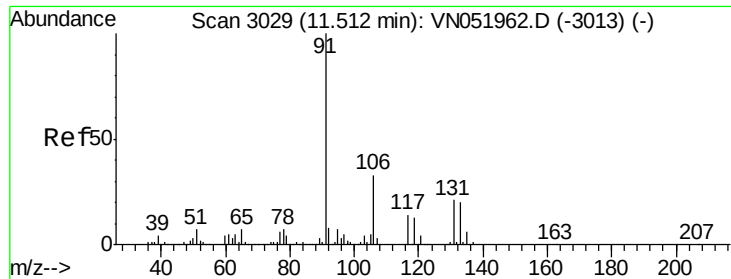
Tot Ion:112 Resp: 572504
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.001 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion:131 Resp: 204229
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.3
119 65.7 32.0 96.2

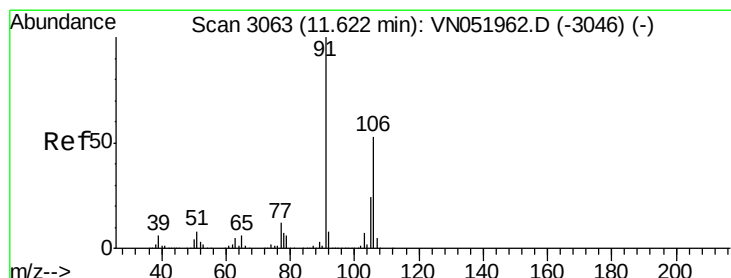
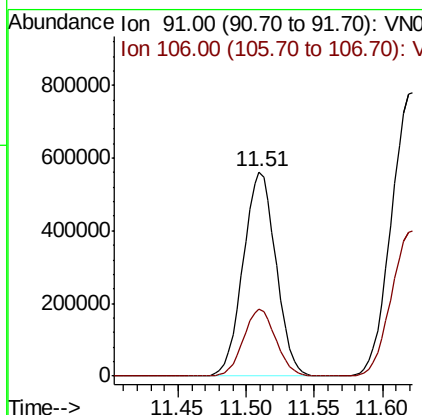
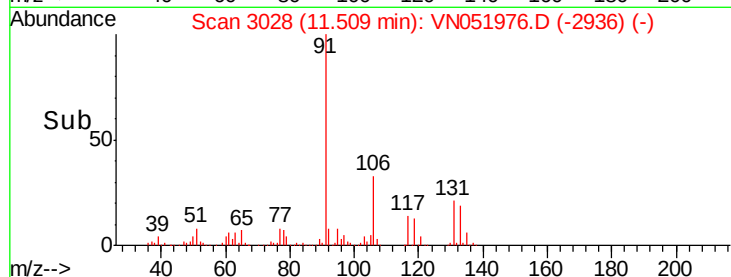
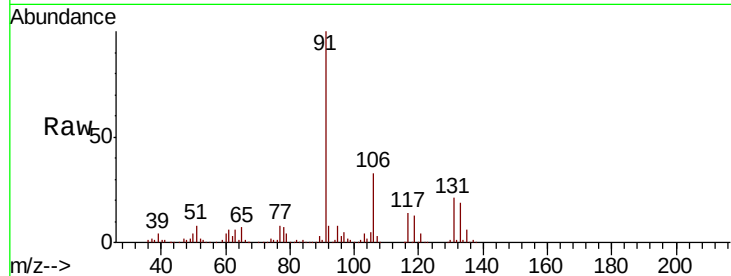




#67
Ethyl Benzene
Concen: 19.480 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

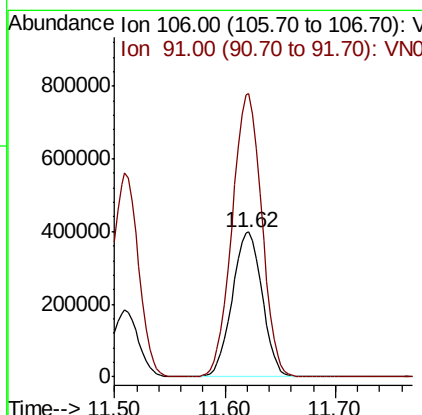
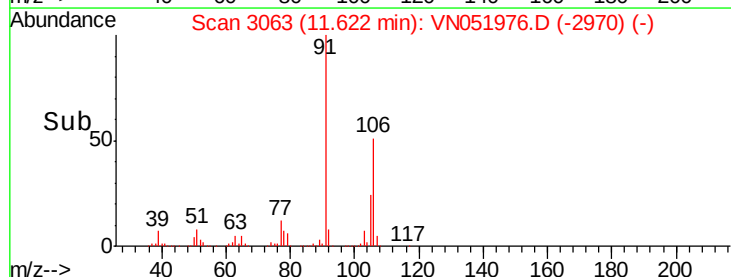
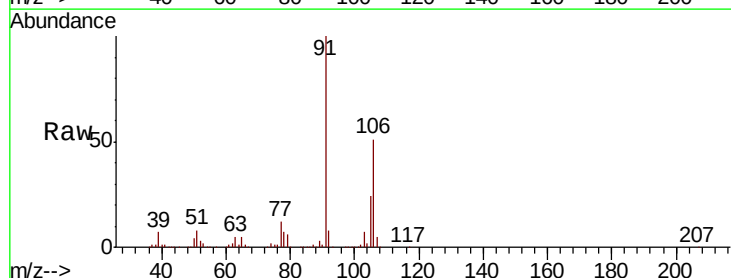
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

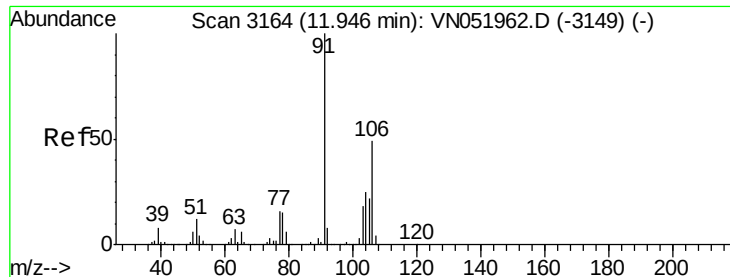
Tot Ion: 91 Resp: 936344
Ion Ratio Lower Upper
91 100
106 32.9 26.4 39.6



#68
m/p-Xylenes
Concen: 39.102 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion: 106 Resp: 750957
Ion Ratio Lower Upper
106 100
91 193.5 152.2 228.2

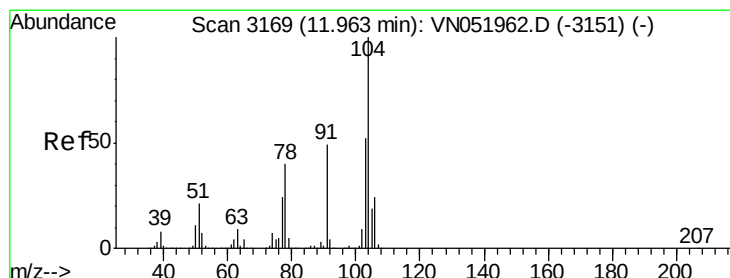
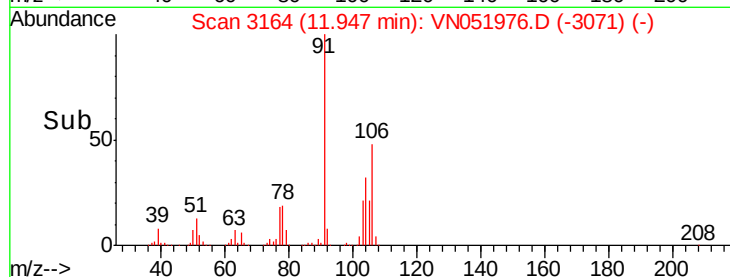
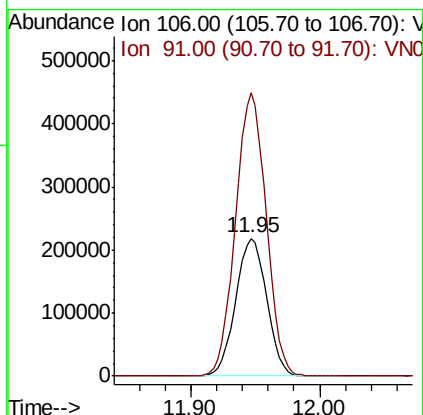
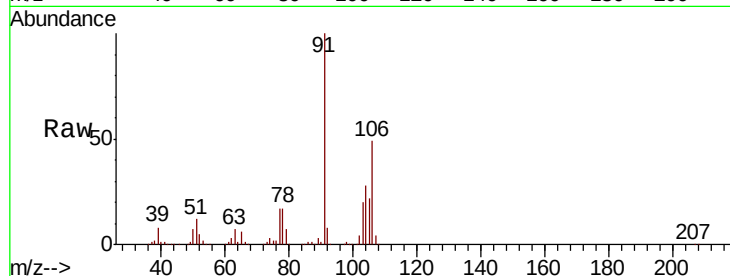




#69
o-Xylene
Concen: 19.571 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

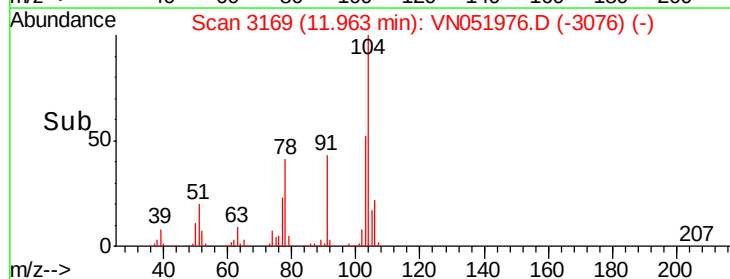
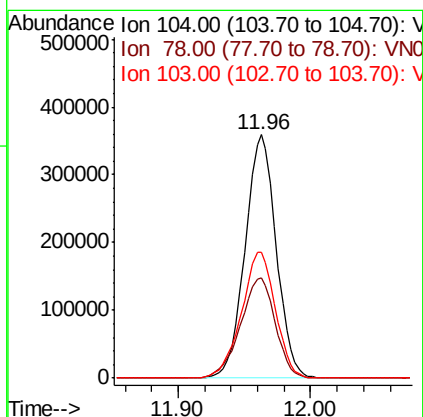
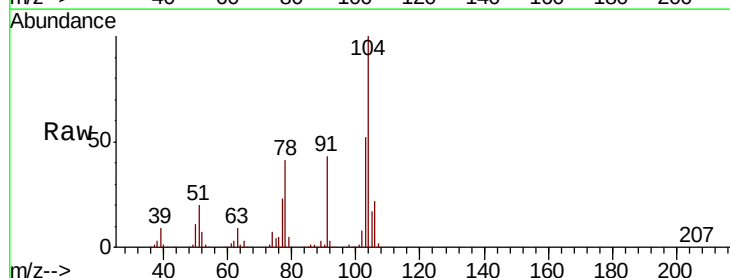
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

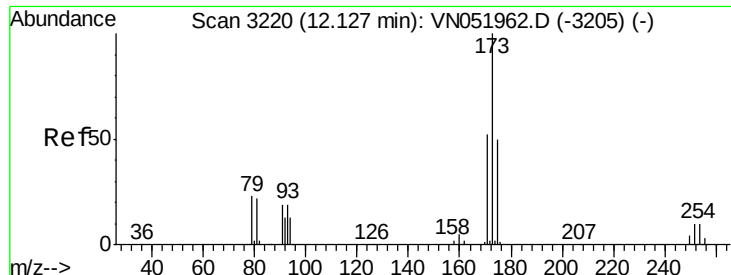
Tot Ion:106 Resp: 365541
Ion Ratio Lower Upper
106 100
91 203.3 101.0 303.0



#70
Styrene
Concen: 19.553 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion:104 Resp: 583698
Ion Ratio Lower Upper
104 100
78 46.1 35.8 53.6
103 56.7 44.9 67.3





#71

Bromoform

Concen: 17.052 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

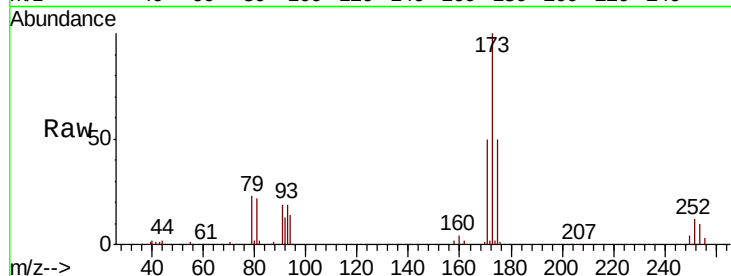
Tot Ion:173 Resp: 114942

Ion Ratio Lower Upper

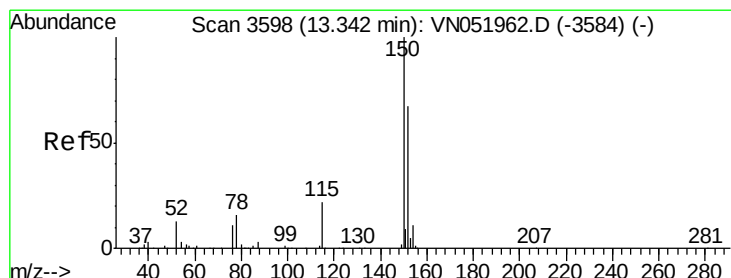
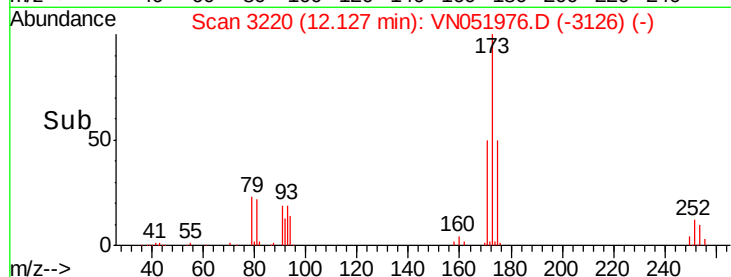
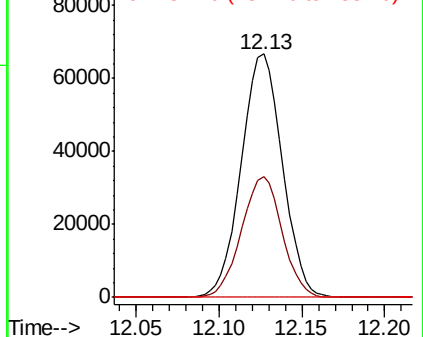
173 100

175 48.9 24.6 74.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

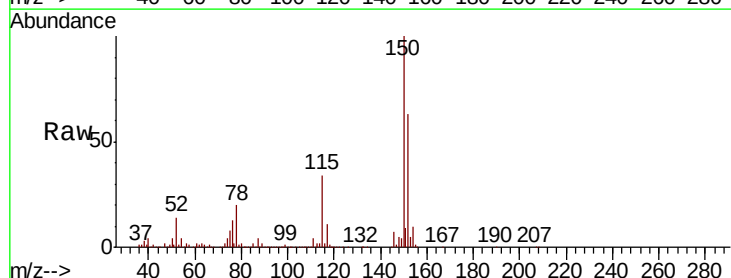
Tgt Ion:152 Resp: 775231

Ion Ratio Lower Upper

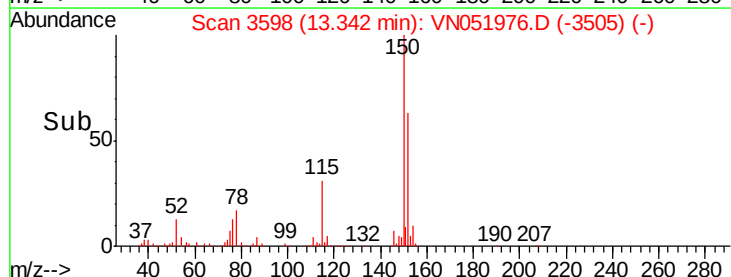
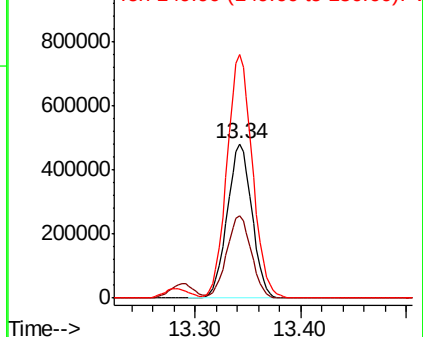
152 100

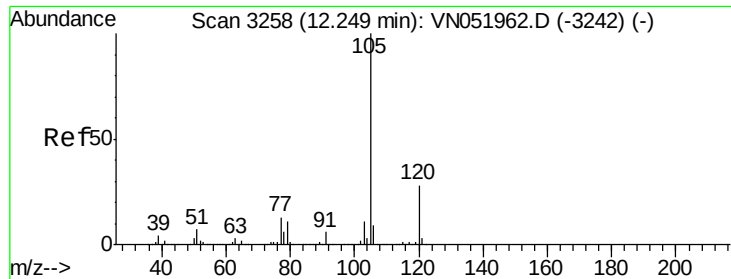
115 53.2 25.8 77.3

150 163.3 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: 20.072 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

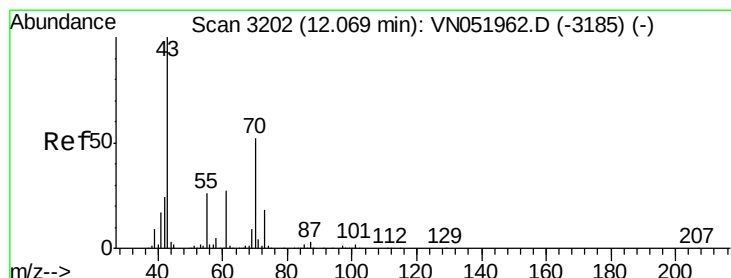
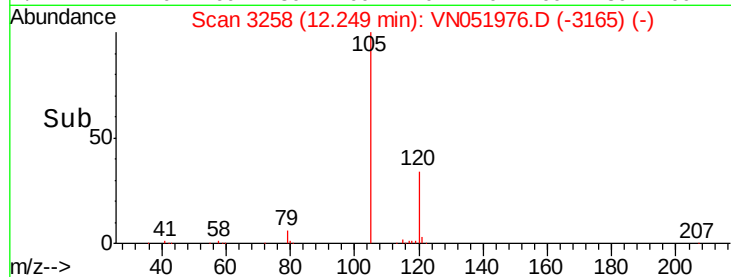
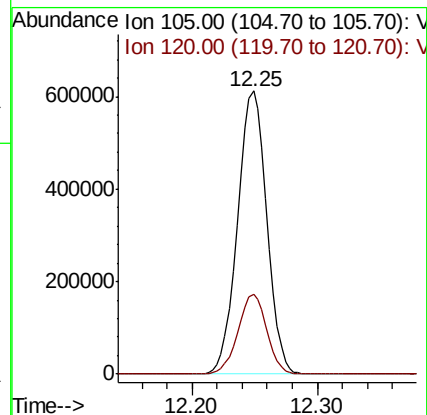
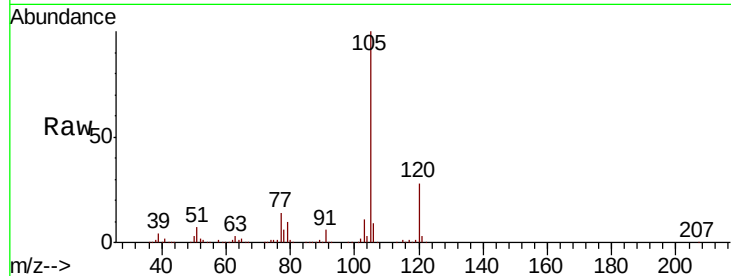
VN1024WBS01

Tot Ion:105 Resp: 986818

Ion Ratio Lower Upper

105 100

120 27.8 14.0 41.9



#74

N-ethyl acetate

Concen: 18.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion: 43 Resp: 176671

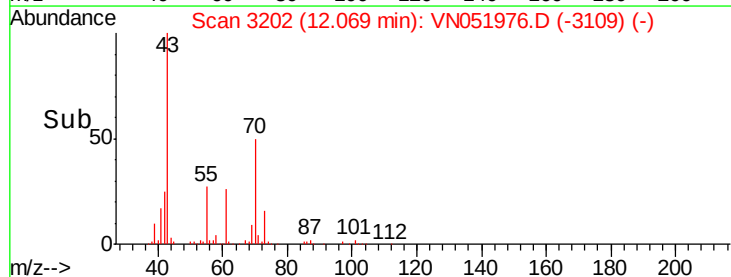
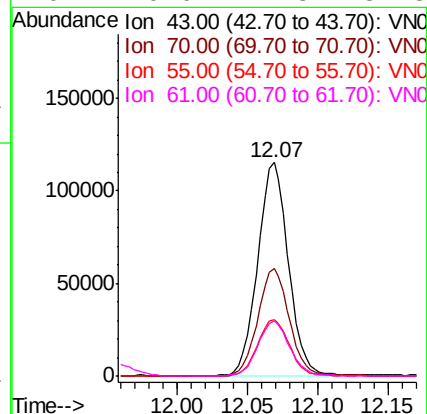
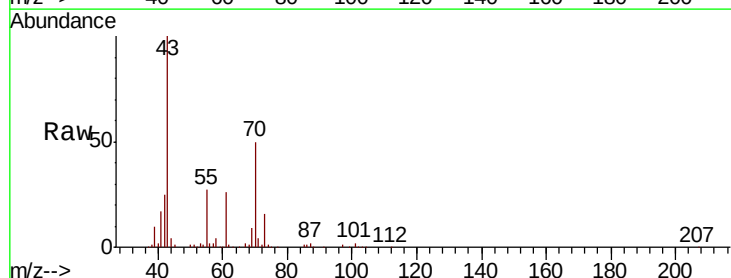
Ion Ratio Lower Upper

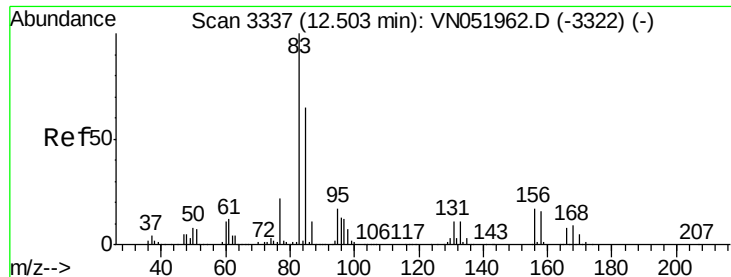
43 100

70 51.2 41.3 61.9

55 27.5 21.2 31.8

61 26.6 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.280 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

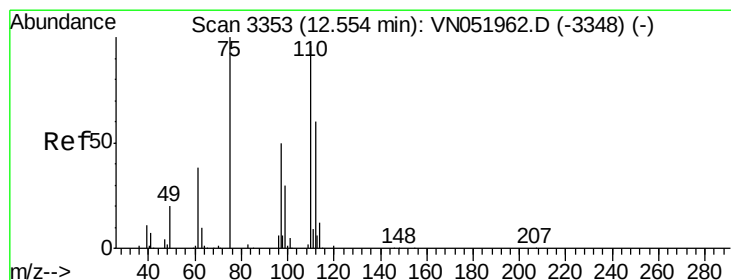
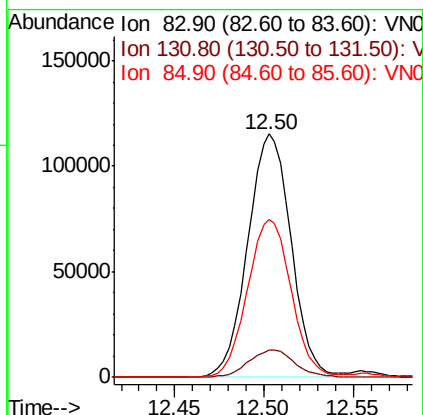
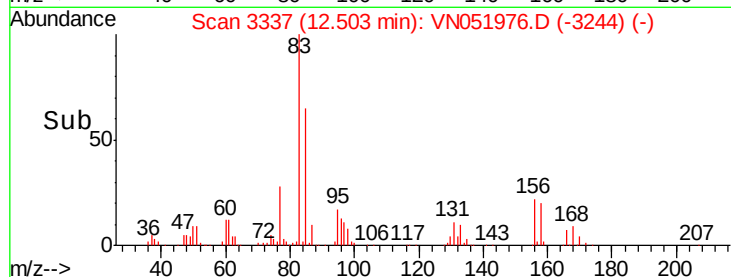
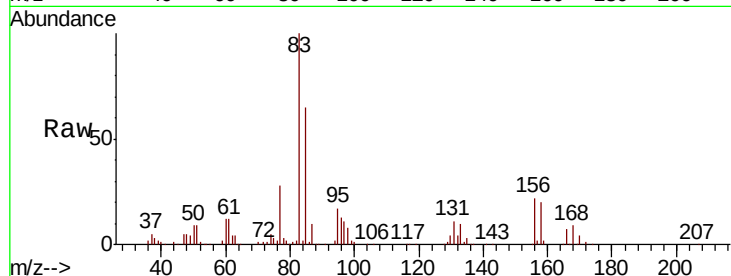
Tot Ion: 83 Resp: 195864

Ion Ratio Lower Upper

83 100

131 12.1 6.2 18.6

85 65.6 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 28.626 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051976.D

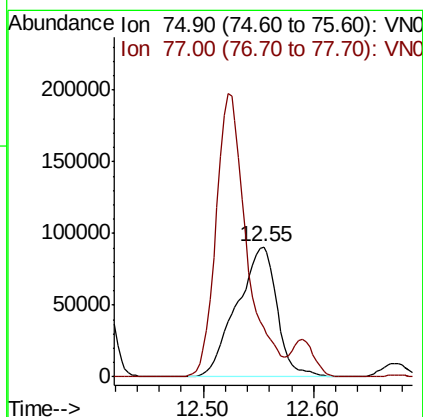
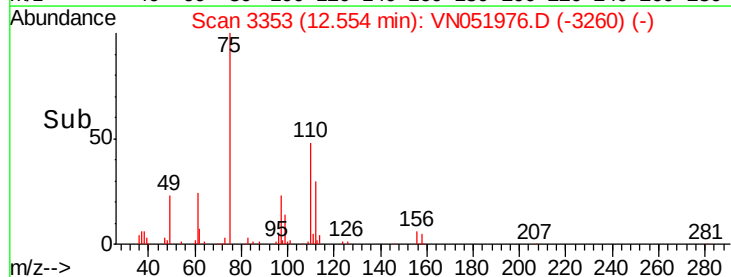
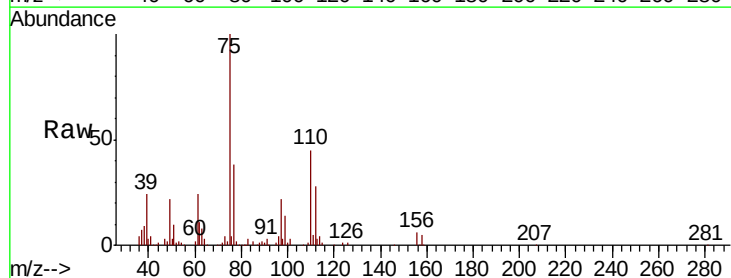
Acq: 24 Oct 2018 9:45

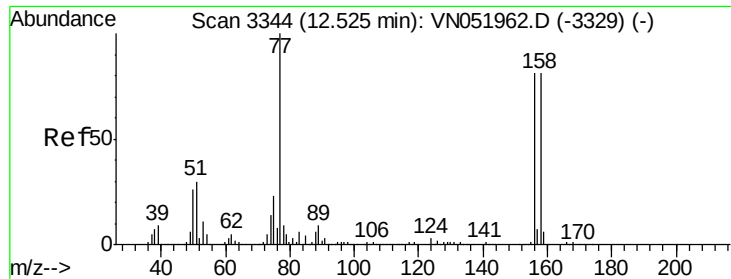
Tgt Ion: 75 Resp: 229225

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.325 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

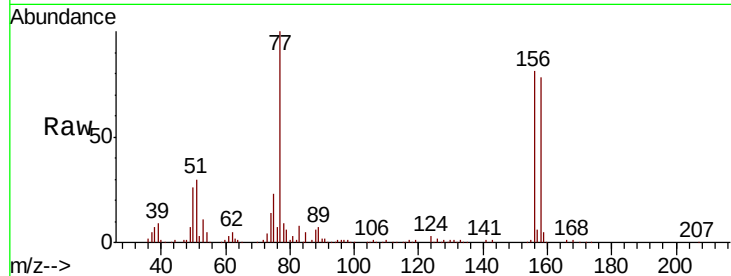
Tot Ion:156 Resp: 262215

Ion Ratio Lower Upper

156 100

77 145.4 71.1 213.3

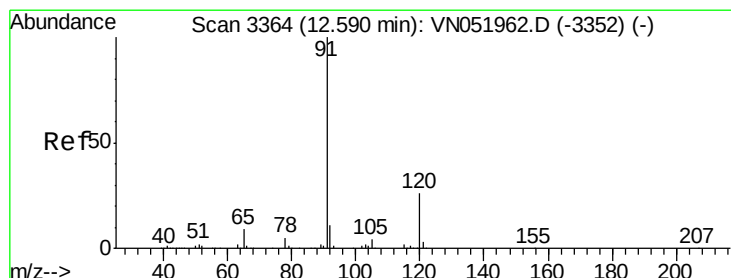
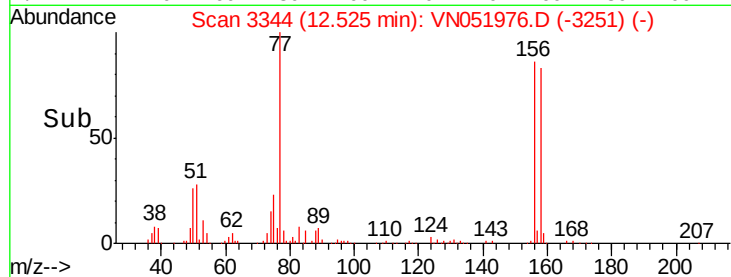
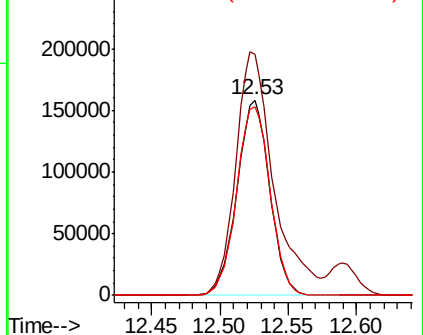
158 99.6 49.3 147.8



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: 20.304 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051976.D

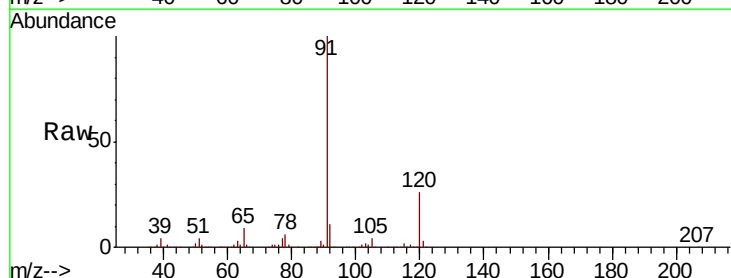
Acq: 24 Oct 2018 9:45

Tgt Ion: 91 Resp: 1076832

Ion Ratio Lower Upper

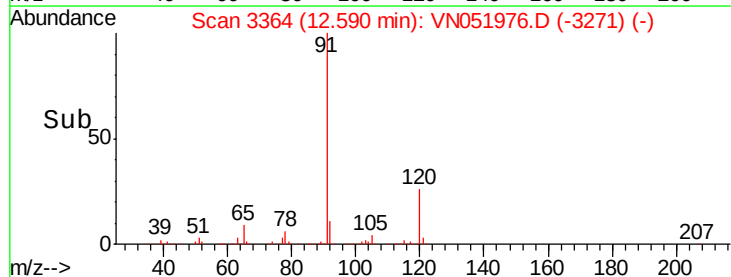
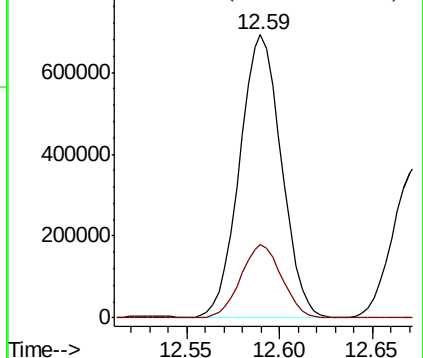
91 100

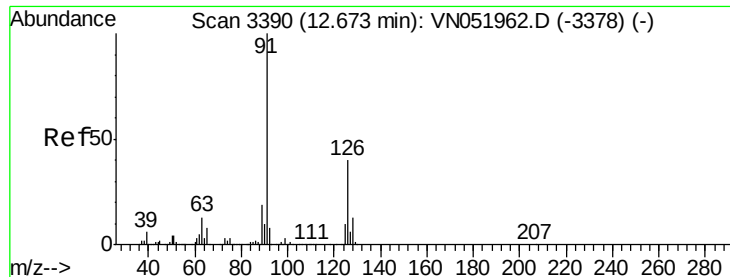
120 25.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

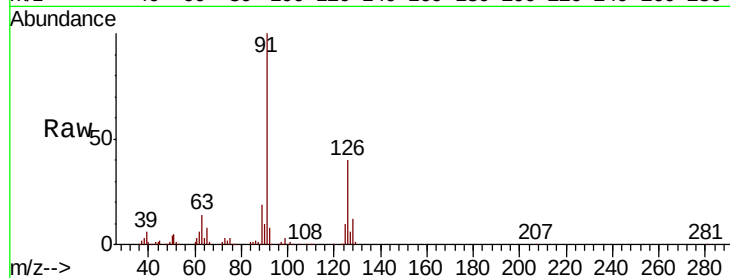
VN1024WBS01

Tot Ion: 91 Resp: 619879

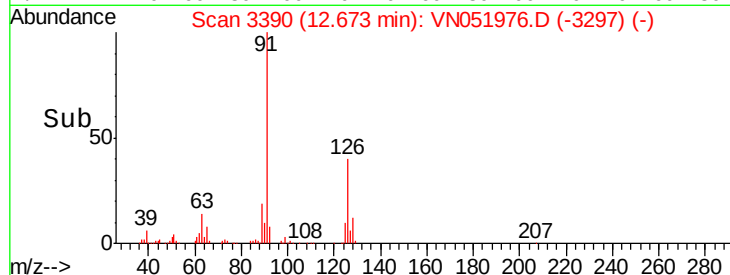
Ion Ratio Lower Upper

91 100

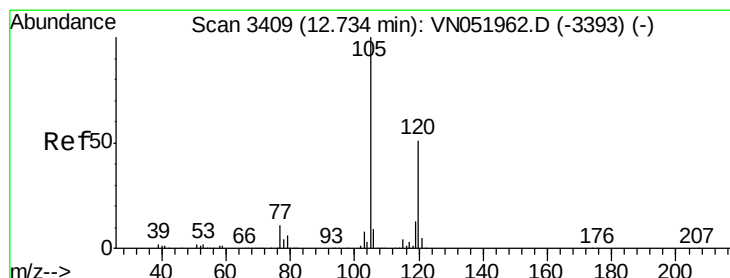
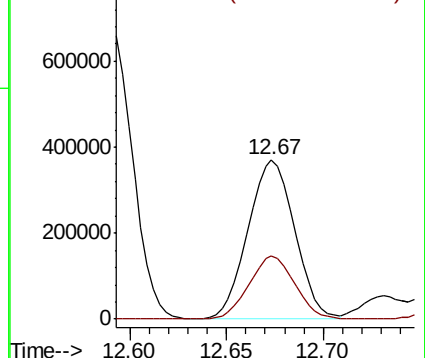
126 39.0 20.1 60.3



Abundance Ion 91.00 (90.70 to 91.70): VN051976.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN051976.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.771 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051976.D

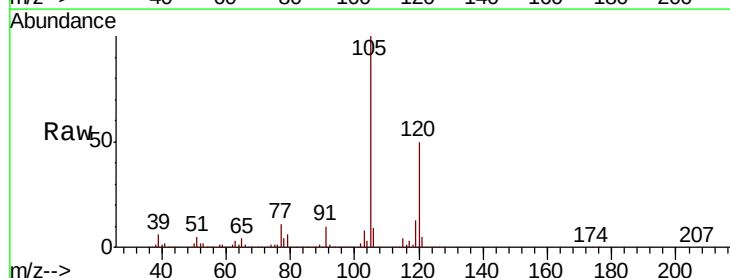
Acq: 24 Oct 2018 9:45

Tgt Ion: 105 Resp: 819311

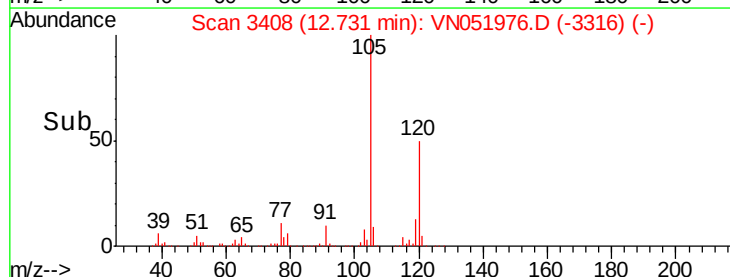
Ion Ratio Lower Upper

105 100

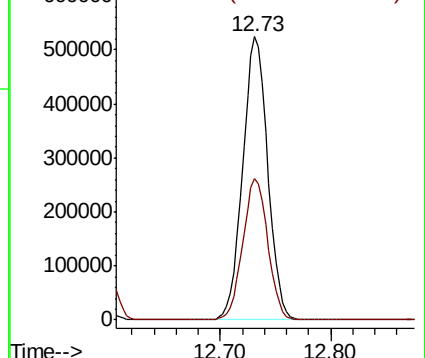
120 50.1 25.7 77.1

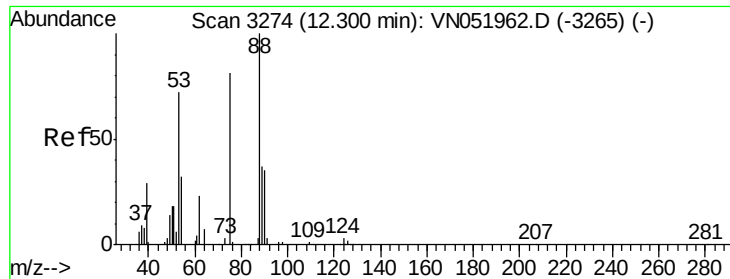


Abundance Ion 105.00 (104.70 to 105.70): VN051976.D (-3316) (-)



Ion 120.00 (119.70 to 120.70): VN051976.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.961 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

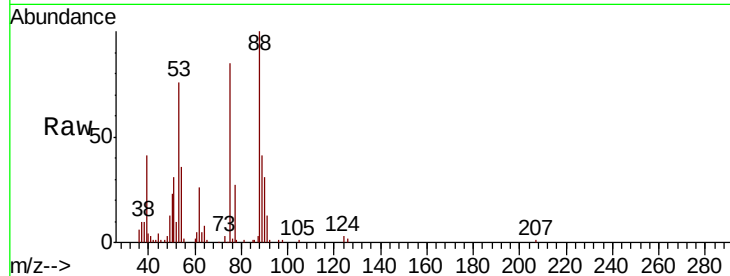
Tot Ion: 75 Resp: 41639

Ion Ratio Lower Upper

75 100

53 93.6 73.5 110.3

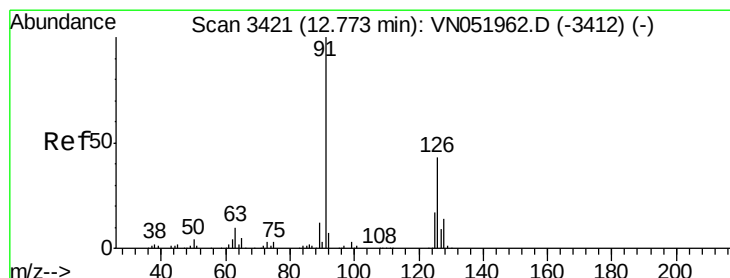
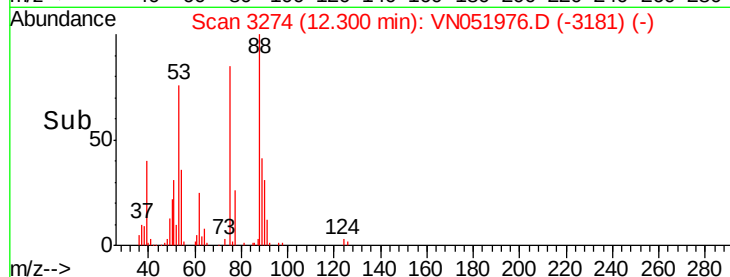
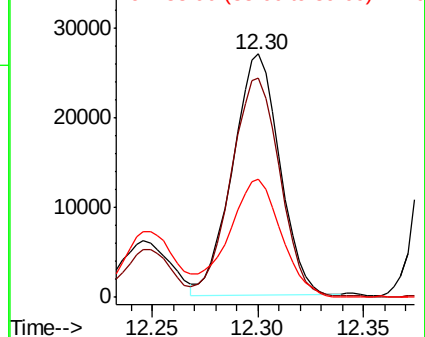
89 54.5 41.6 62.4



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



#82

4-Chlorotoluene

Concen: 20.065 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051976.D

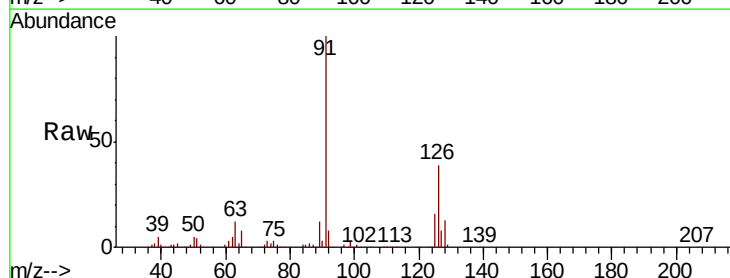
Acq: 24 Oct 2018 9:45

Tgt Ion: 91 Resp: 641644

Ion Ratio Lower Upper

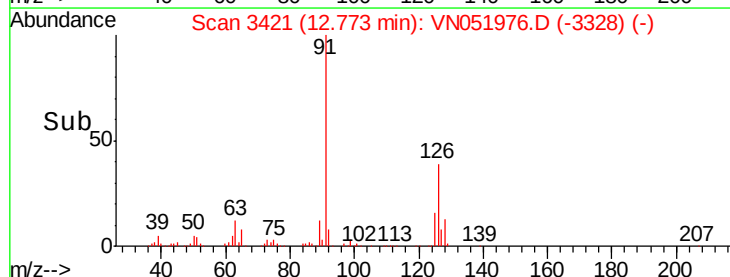
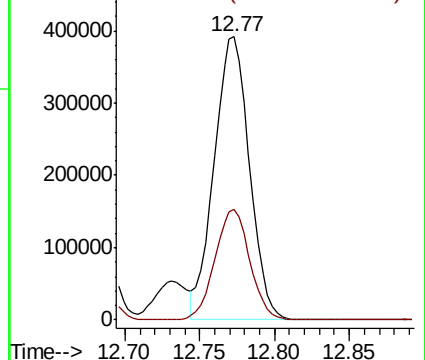
91 100

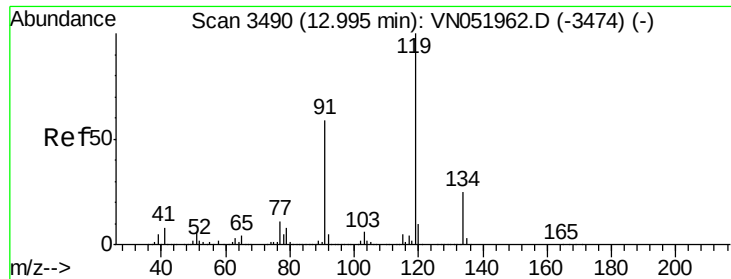
126 38.5 19.7 59.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

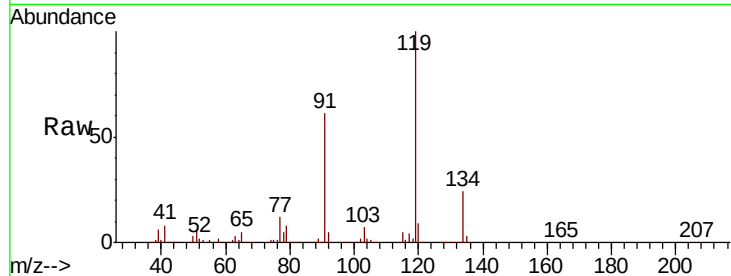




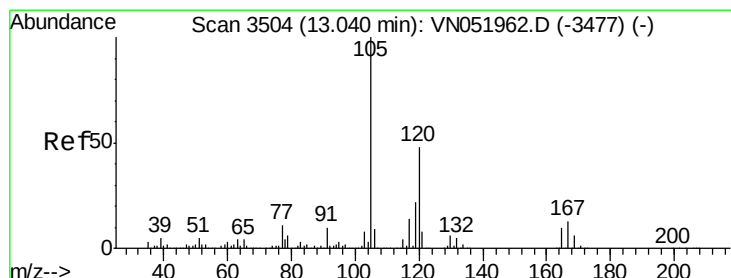
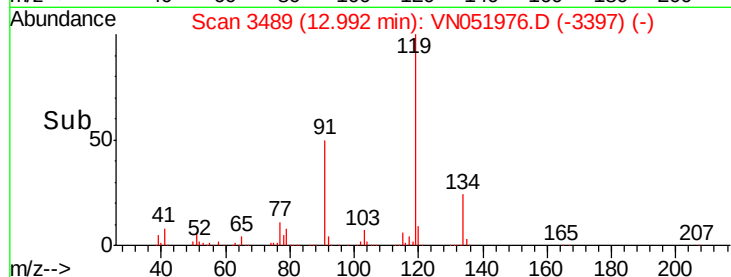
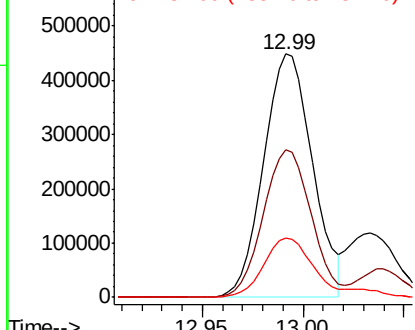
#83
 tert-Butylbenzene
 Concen: 20.230 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion:119 Resp: 754748
 Ion Ratio Lower Upper
 119 100
 91 59.6 28.8 86.4
 134 24.2 13.4 40.1

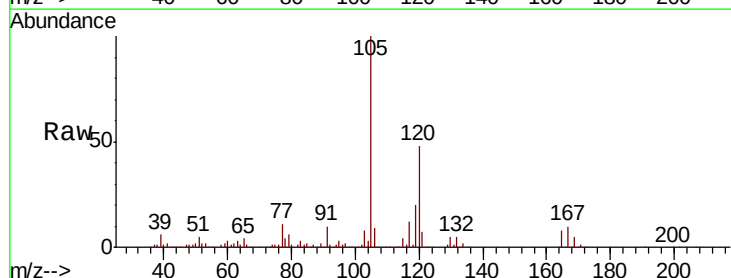


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

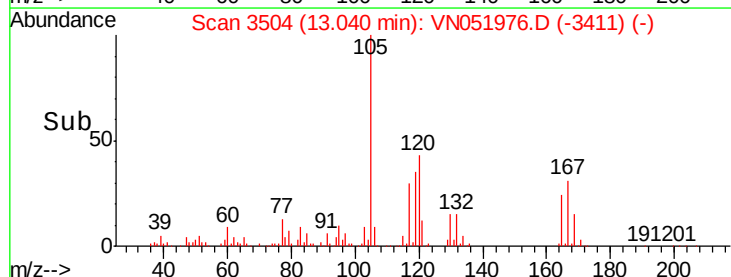
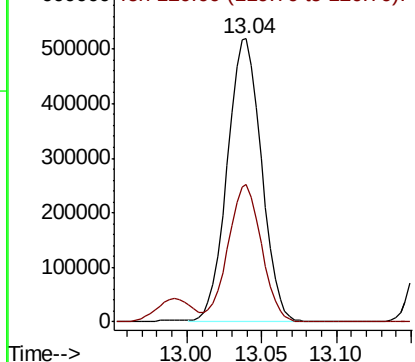


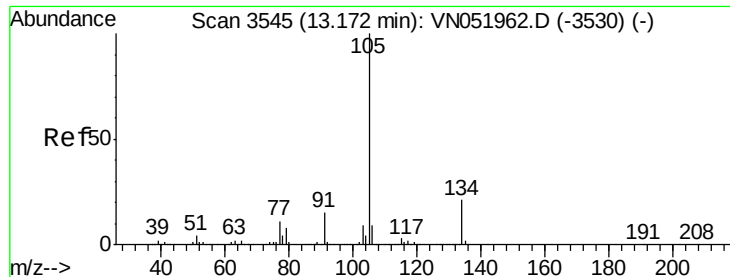
#84
 1,2,4-Trimethylbenzene
 Concen: 20.275 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion:105 Resp: 824938
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.5



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





#85

sec-Butylbenzene

Concen: 20.413 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

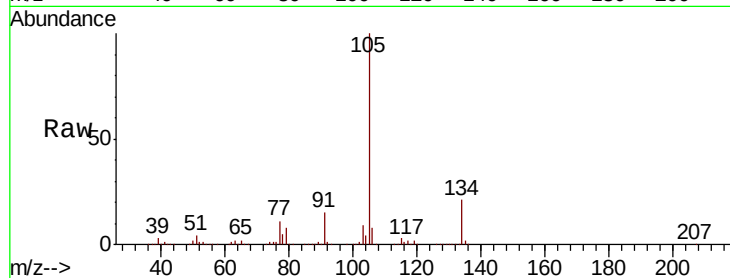
VN1024WBS01

Tot Ion:105 Resp: 994638

Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

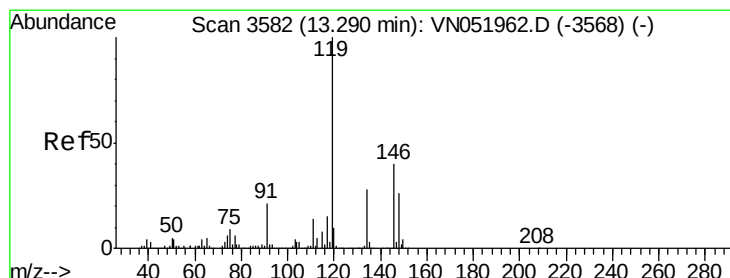
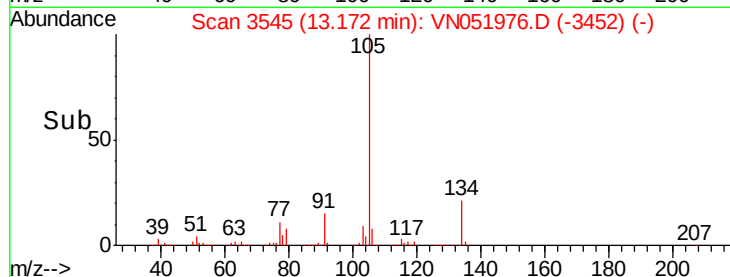
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.336 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

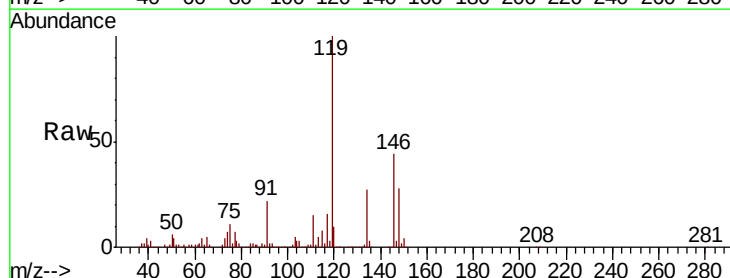
Tgt Ion:119 Resp: 892102

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.7

91 22.1 10.6 31.8



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

800000

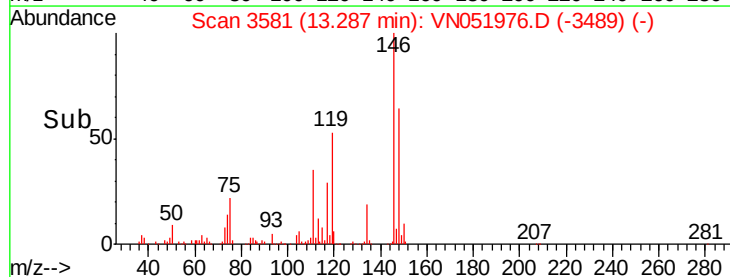
600000

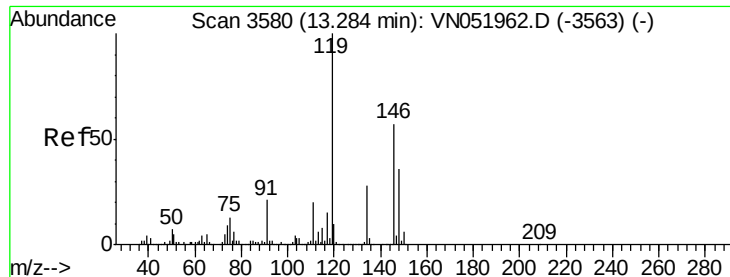
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.310 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

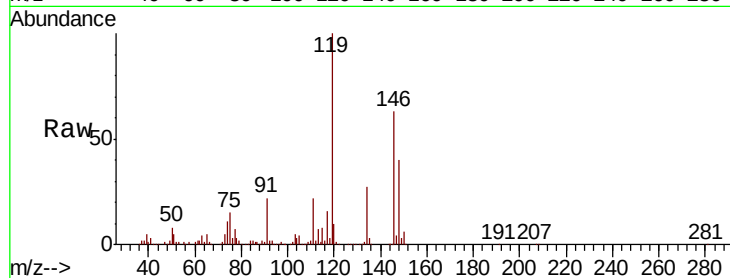
Tot Ion:146 Resp: 483254

Ion Ratio Lower Upper

146 100

111 35.6 17.6 52.8

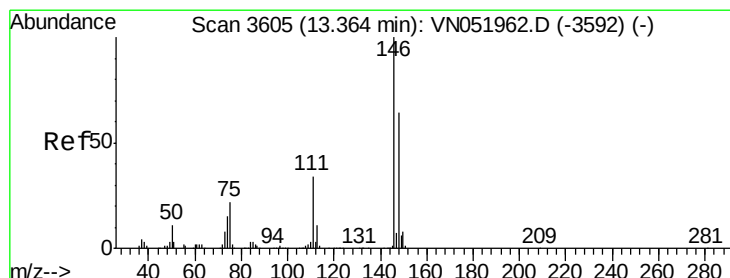
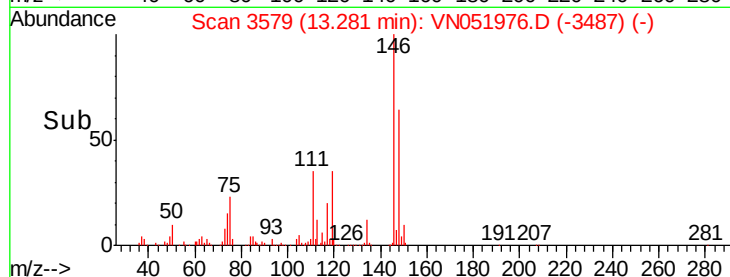
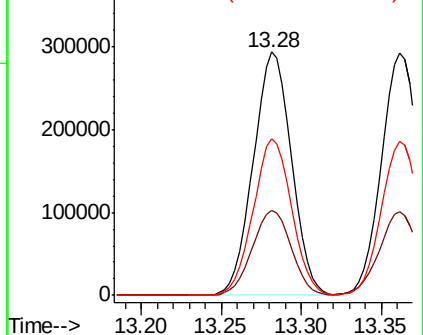
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.477 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

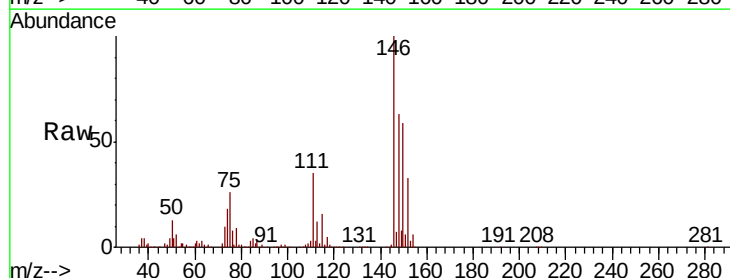
Tgt Ion:146 Resp: 480546

Ion Ratio Lower Upper

146 100

111 36.0 17.3 51.7

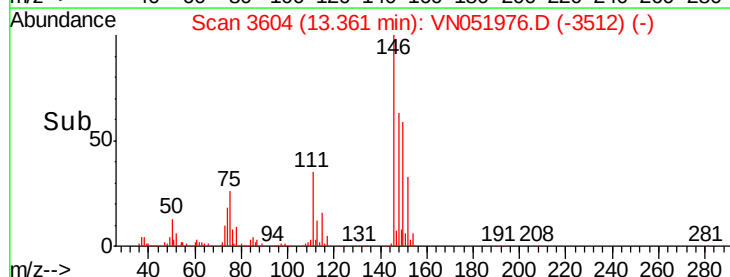
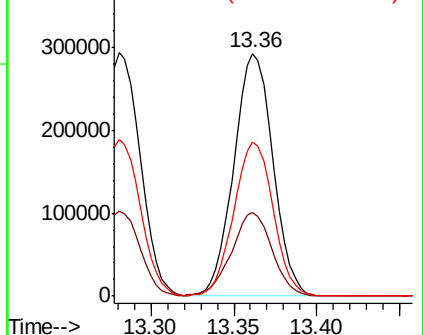
148 64.0 32.1 96.3

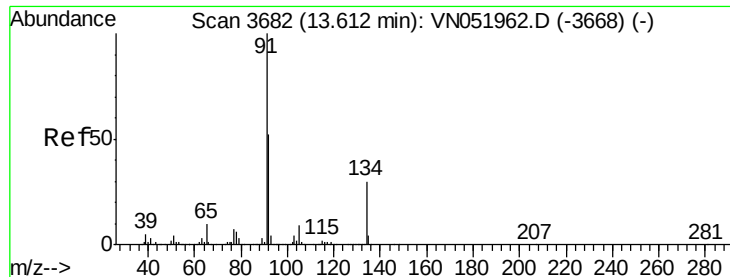


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.965 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS01

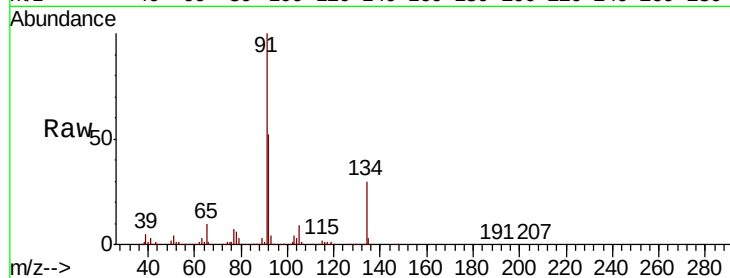
Tot Ion: 91 Resp: 697406

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.8

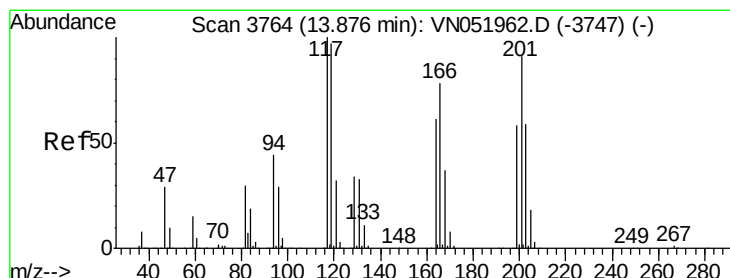
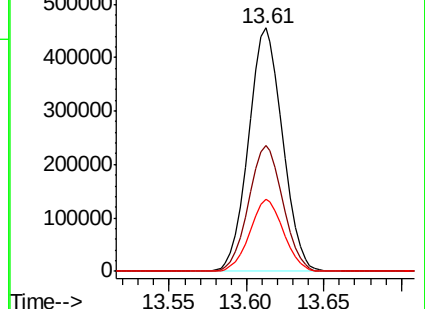
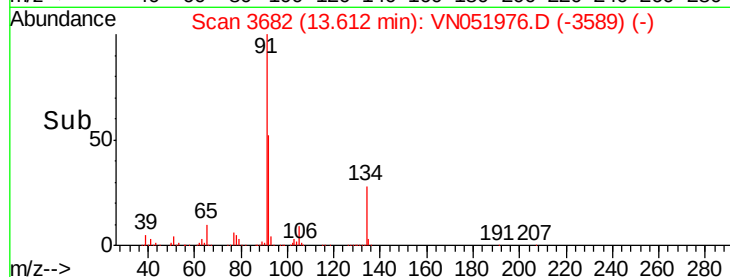
134 29.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.068 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051976.D

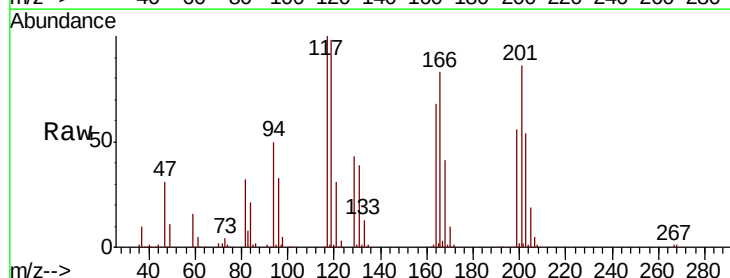
Acq: 24 Oct 2018 9:45

Tgt Ion: 117 Resp: 131156

Ion Ratio Lower Upper

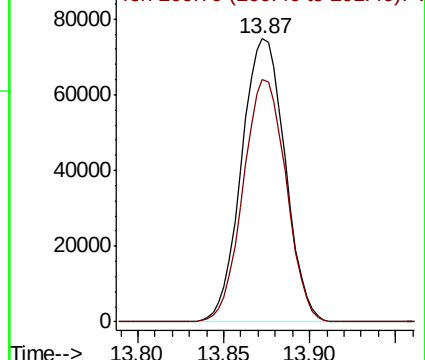
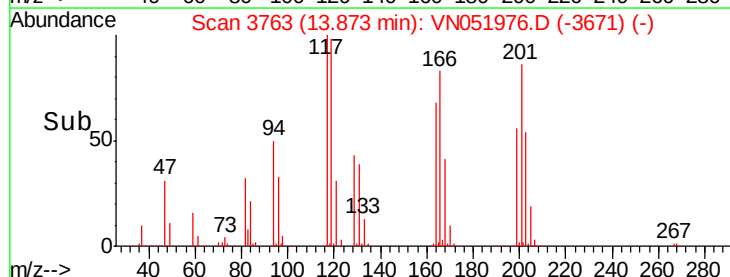
117 100

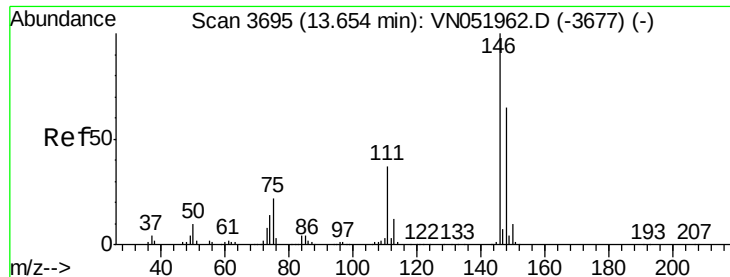
201 84.6 45.6 136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)

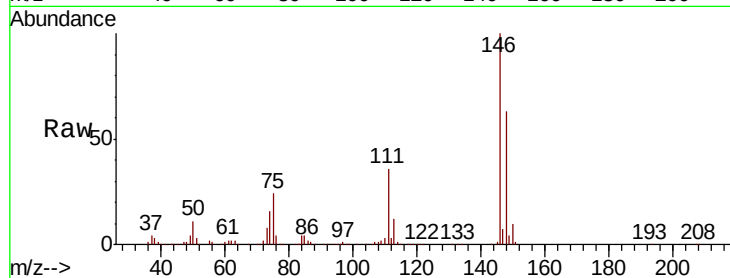




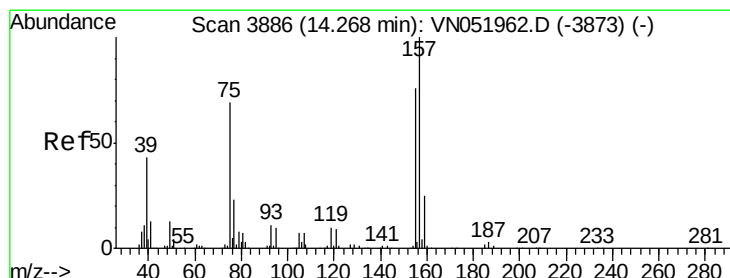
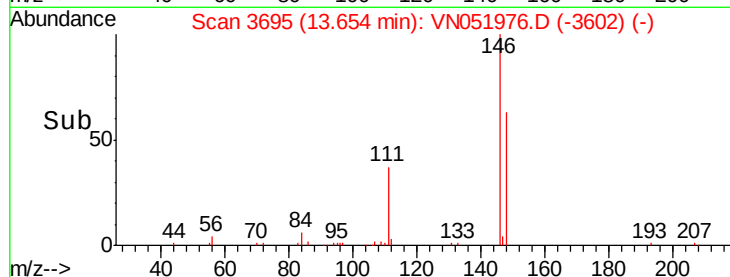
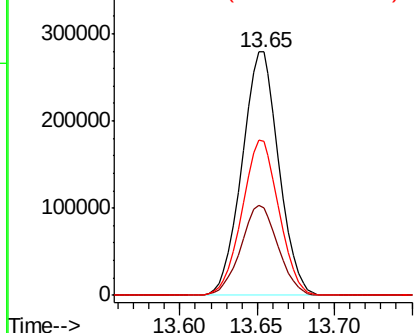
#91
 1,2-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	64.1	32.4	97.0

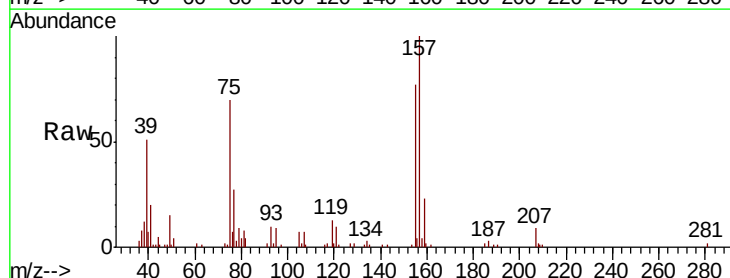


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

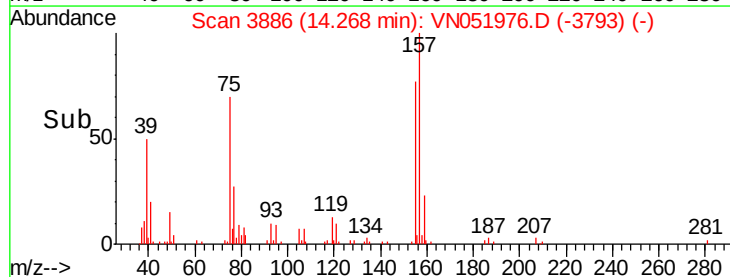
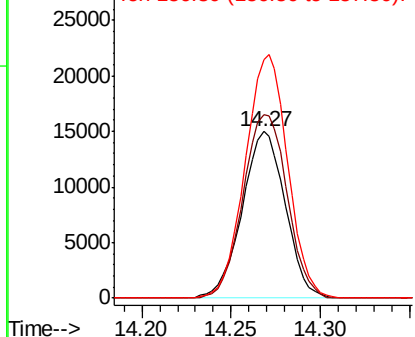


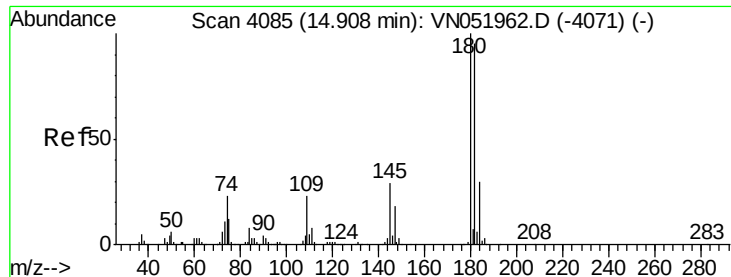
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.228 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.1	56.0	167.9
157	144.1	73.9	221.6



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

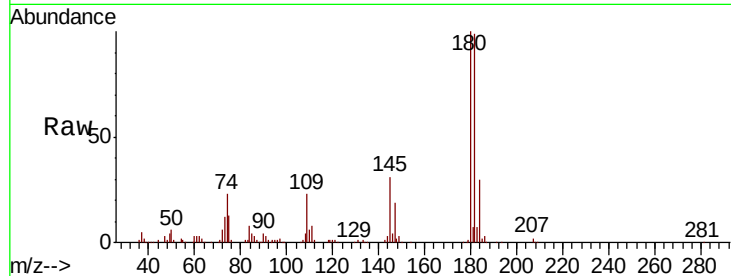




#93
 1,2,4-Trichlorobenzene
 Concen: 16.432 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.4
145	29.7	14.5	43.5

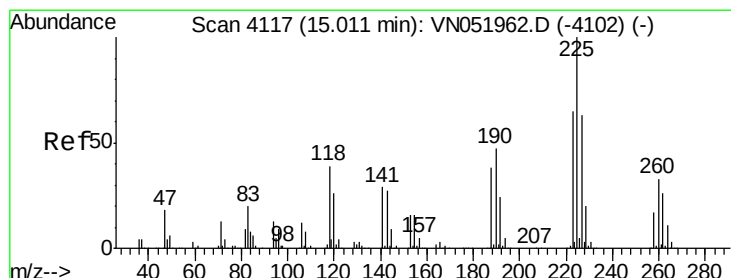
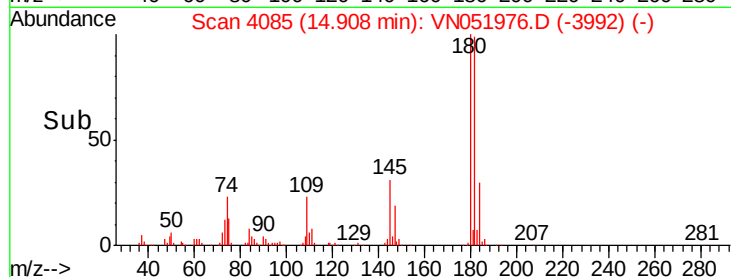
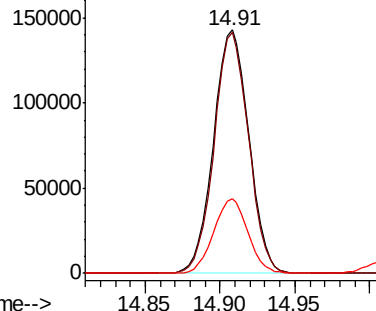


Abundance

Ion 179.80 (179.50 to 180.50): V

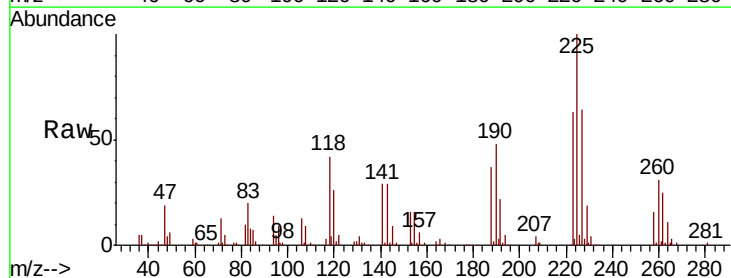
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.312 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.8	95.4
227	62.9	31.4	94.2

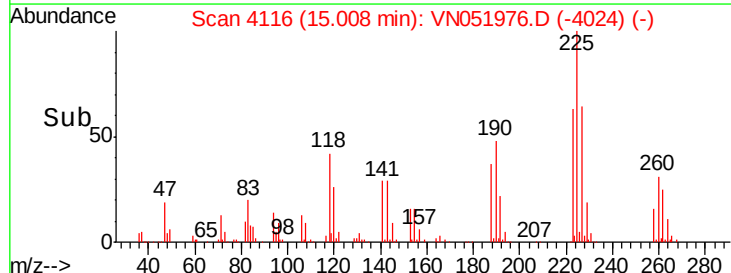
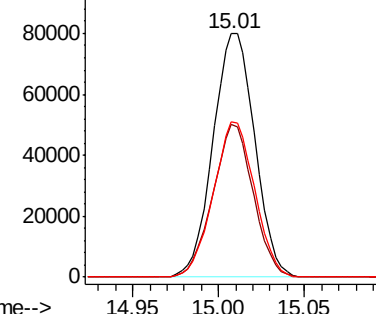


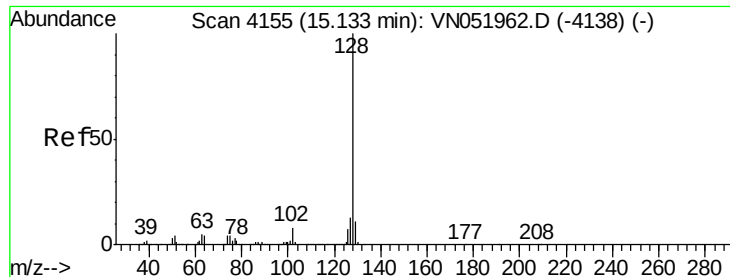
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

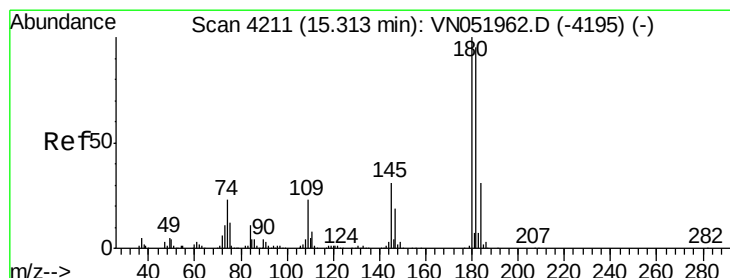
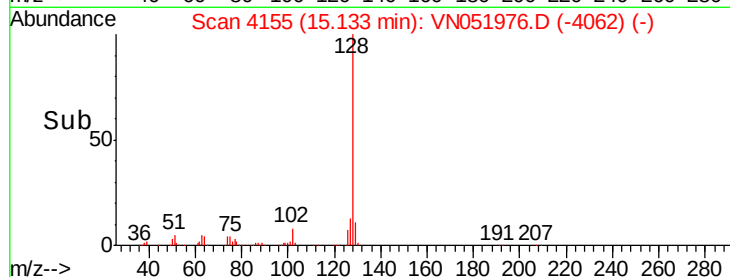
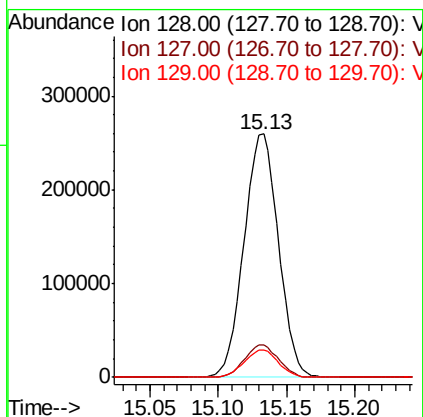
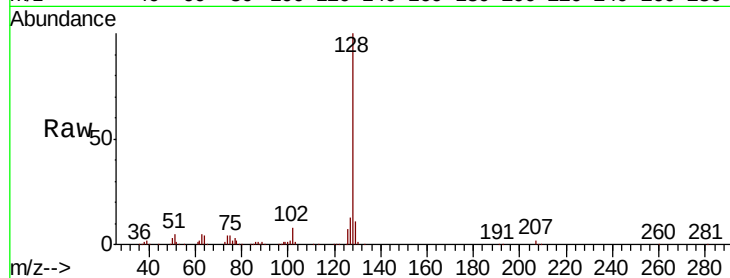




#95
Naphthalene
Concen: 14.668 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion:128 Resp: 455539
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 15.086 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion:180 Resp: 206214
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.6
145 30.1 15.4 46.2

