

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052793.D
 Acq On : 11 Dec 2018 10:50
 Operator : MD\SY
 Sample : VN1211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Quant Time: Dec 12 00:25:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1024036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1542792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1364307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	657658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	548802	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	445534	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	10.09	98	1897880	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	669888	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	156636	16.336	ug/l 99
3) Chloromethane	2.06	50	197452	15.601	ug/l 99
4) Vinyl Chloride	2.19	62	215279	16.558	ug/l 100
5) Bromomethane	2.58	94	128307	15.816	ug/l 97
6) Chloroethane	2.71	64	132512	16.826	ug/l 97
7) Trichlorofluoromethane	3.02	101	293229	18.361	ug/l 100
8) Diethyl Ether	3.41	74	110605	18.754	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194774	19.545	ug/l 99
10) Methyl Iodide	3.96	142	220106	16.583	ug/l 99
11) Tert butyl alcohol	4.77	59	61705	110.544	ug/l 100
12) 1,1-Dichloroethene	3.74	96	173861	18.125	ug/l 99
13) Acrolein	3.61	56	35772	36.873	ug/l 94
14) Allyl chloride	4.33	41	275604	16.670	ug/l 92
15) Acrylonitrile	4.99	53	335567	94.969	ug/l 99
16) Acetone	3.82	43	263134	89.474	ug/l 97
17) Carbon Disulfide	4.06	76	445846	14.769	ug/l 100
18) Methyl Acetate	4.32	43	169068	20.042	ug/l 96
19) Methyl tert-butyl Ether	5.04	73	510286	19.994	ug/l 99
20) Methylene Chloride	4.55	84	206006	17.900	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	186594	18.213	ug/l 94
22) Diisopropyl ether	5.95	45	659792	18.999	ug/l 97
23) Vinyl Acetate	5.90	43	1935603	89.486	ug/l 98
24) 1,1-Dichloroethane	5.85	63	373864	18.855	ug/l 99
25) 2-Butanone	6.83	43	390197	93.608	ug/l 96
26) 2,2-Dichloropropane	6.82	77	278491	20.292	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	228646	19.159	ug/l 98
28) Bromochloromethane	7.20	49	176145	19.450	ug/l 97
29) Tetrahydrofuran	7.21	42	250842	93.298	ug/l 98
30) Chloroform	7.37	83	374392	18.925	ug/l 99
31) Cyclohexane	7.66	56	336819	17.311	ug/l 91
32) 1,1,1-Trichloroethane	7.57	97	304031	19.397	ug/l 99
36) 1,1-Dichloropropene	7.79	75	277026	19.015	ug/l 99
37) Ethyl Acetate	6.93	43	167895	18.883	ug/l 99
38) Carbon Tetrachloride	7.78	117	264447	20.051	ug/l 98

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Quant Time: Dec 12 00:25:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	332976	18.804	ug/l	98
40) Benzene	8.04	78	850226	19.582	ug/l	99
41) Methacrylonitrile	7.17	41	100787	20.734	ug/l	98
42) 1,2-Dichloroethane	8.13	62	261897	19.921	ug/l	99
43) Isopropyl Acetate	8.16	43	332451	22.094	ug/l	96
44) Trichloroethene	8.84	130	229782	20.661	ug/l	100
45) 1,2-Dichloropropane	9.12	63	225927	19.572	ug/l	99
46) Dibromomethane	9.21	93	131716	20.612	ug/l	97
47) Bromodichloromethane	9.40	83	283289	20.390	ug/l	97
48) Methyl methacrylate	9.20	41	154821	19.733	ug/l	98
49) 1,4-Dioxane	9.20	88	37494	460.463	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	866934	102.689	ug/l	99
52) Toluene	10.16	92	521116	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275437	20.608	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	327143	20.425	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	192682	21.234	ug/l	98
56) Ethyl methacrylate	10.43	69	240624	20.761	ug/l	98
57) 1,3-Dichloropropane	10.71	76	324395	20.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	679660	103.223	ug/l	98
59) 2-Hexanone	10.75	43	603826	106.568	ug/l	100
60) Dibromochloromethane	10.90	129	205896	20.892	ug/l	99
61) 1,2-Dibromoethane	11.01	107	184607	20.483	ug/l	100
64) Tetrachloroethene	10.63	164	251317	23.759	ug/l	98
65) Chlorobenzene	11.43	112	581765	20.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208956	21.362	ug/l	99
67) Ethyl Benzene	11.51	91	998704	20.273	ug/l	99
68) m/p-Xylenes	11.62	106	754460	41.138	ug/l	100
69) o-Xylene	11.95	106	370110	20.782	ug/l	99
70) Styrene	11.96	104	607307	21.410	ug/l	99
71) Bromoform	12.13	173	135303	20.891	ug/l #	99
73) Isopropylbenzene	12.25	105	1000723	19.395	ug/l	99
74) N-amyl acetate	12.07	43	265484	20.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	214564	18.280	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	278719	27.483	ug/l #	100
77) Bromobenzene	12.53	156	252609	19.807	ug/l	97
78) n-propylbenzene	12.59	91	1154534	19.696	ug/l	99
79) 2-Chlorotoluene	12.68	91	672205	19.257	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820472	19.938	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58092	19.129	ug/l	99
82) 4-Chlorotoluene	12.77	91	685106	19.474	ug/l	99
83) tert-Butylbenzene	12.99	119	726405	19.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	819202	19.864	ug/l	99
85) sec-Butylbenzene	13.17	105	996587	19.945	ug/l	100
86) p-Isopropyltoluene	13.29	119	857921	20.158	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	447773	20.072	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	447200	20.351	ug/l	100
89) n-Butylbenzene	13.62	91	726796	20.534	ug/l	99
90) Hexachloroethane	13.88	117	136887	18.996	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	432829	20.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31699	18.883	ug/l	94

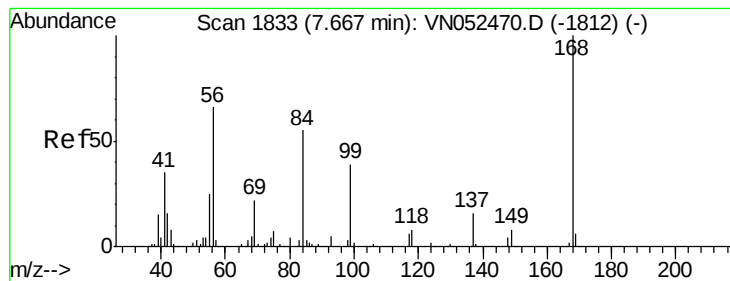
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	242422	22.418	ug/l	100
94) Hexachlorobutadiene	15.01	225	145368	21.201	ug/l	99
95) Naphthalene	15.13	128	482692	21.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	219309	22.042	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

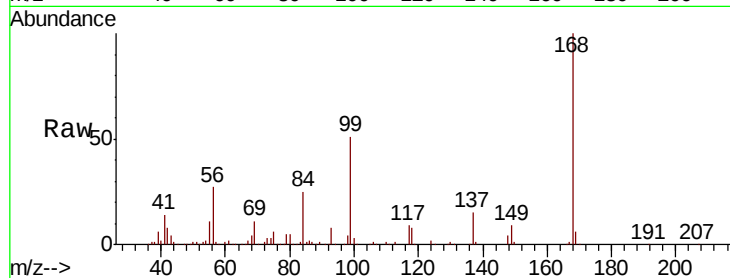
VN1211WBS01

Tot Ion:168 Resp: 1024036

Ion Ratio Lower Upper

168 100

99 51.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

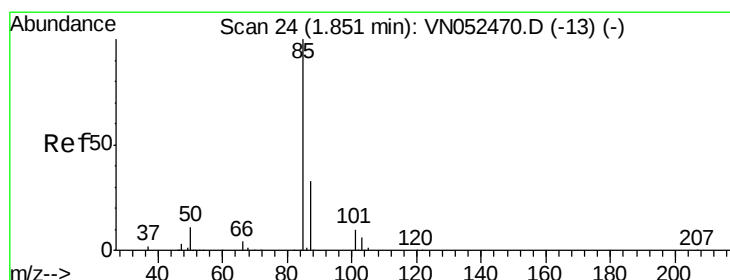
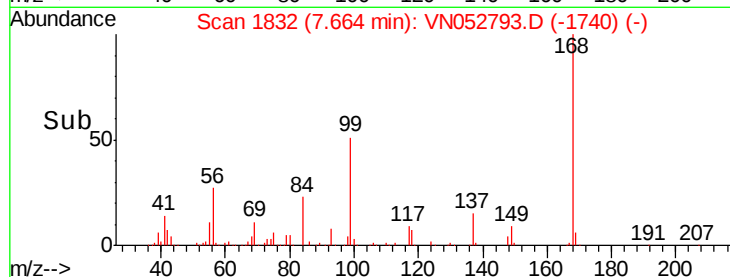
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 16.336 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052793.D

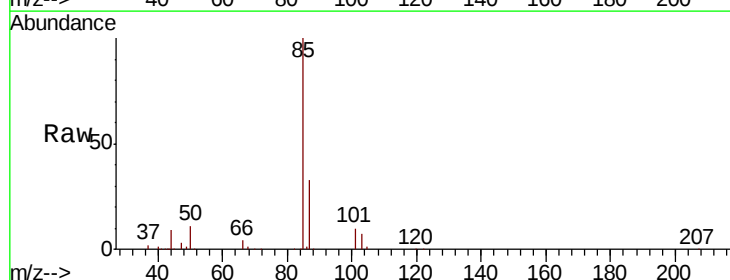
Acq: 11 Dec 2018 10:50

Tgt Ion: 85 Resp: 156636

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

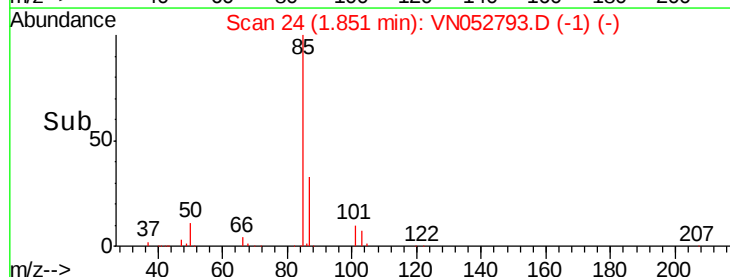
100000

50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.601 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

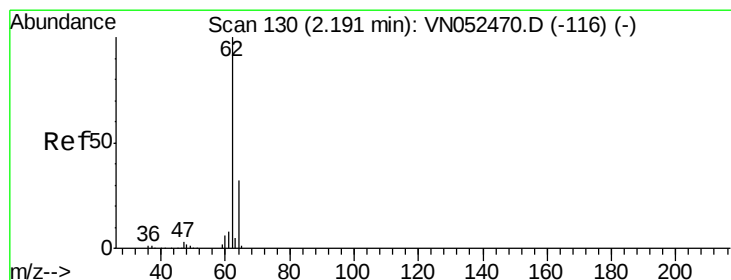
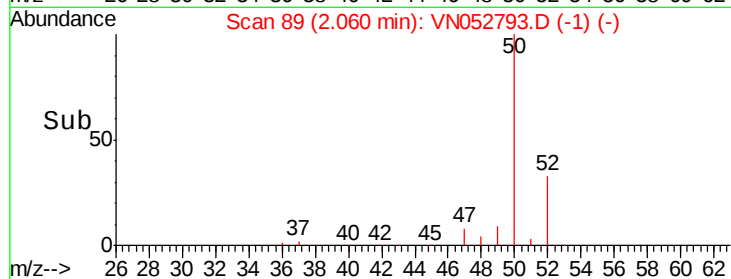
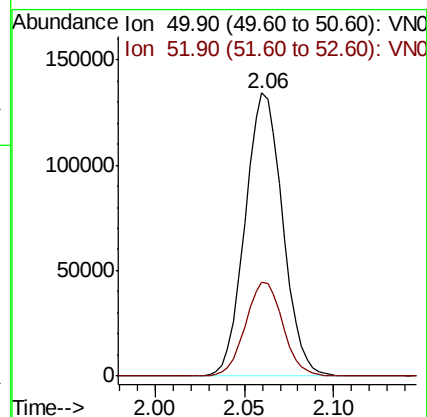
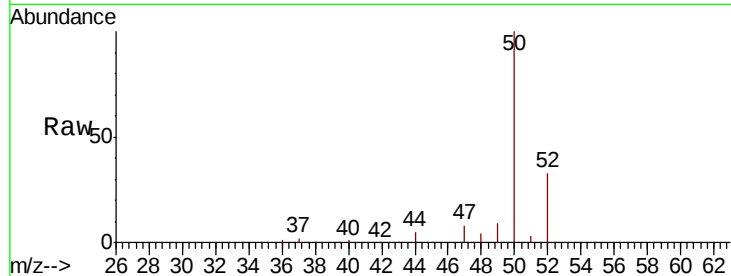
VN1211WBS01

Tot Ion: 50 Resp: 197452

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



#4

Vinyl Chloride

Concen: 16.558 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052793.D

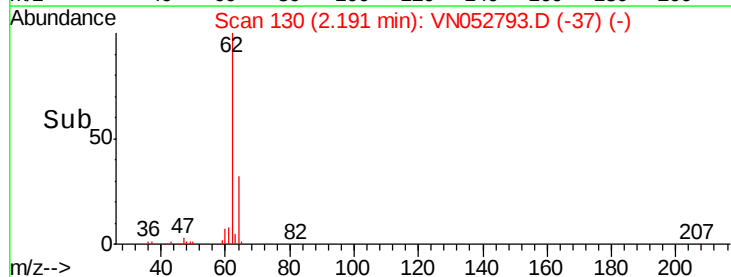
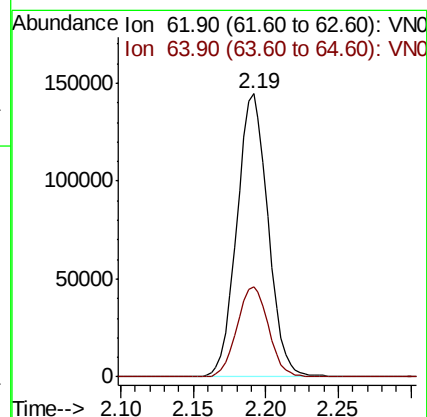
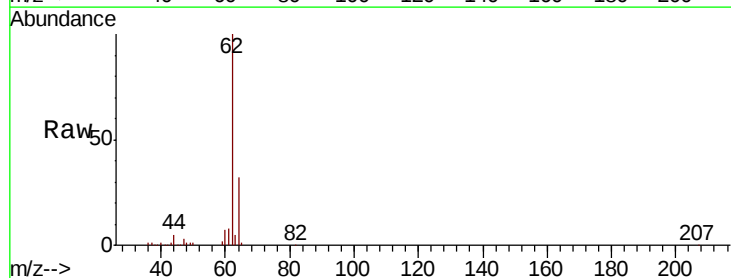
Acq: 11 Dec 2018 10:50

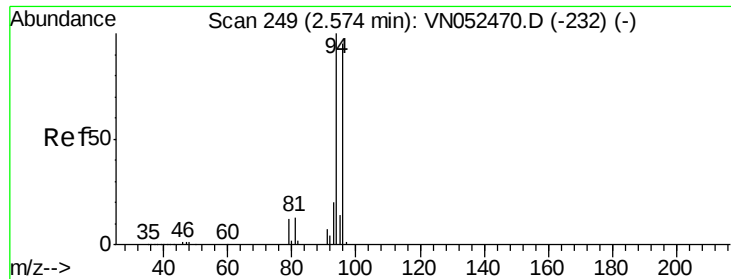
Tgt Ion: 62 Resp: 215279

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 15.816 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

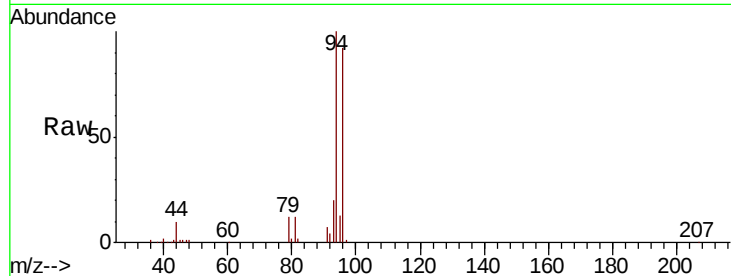
VN1211WBS01

Tot Ion: 94 Resp: 128307

Ion Ratio Lower Upper

94 100

96 92.3 75.8 113.8

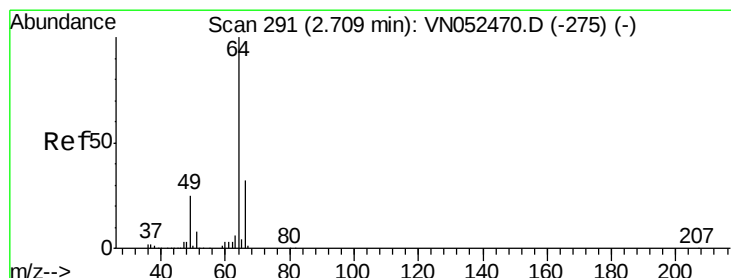
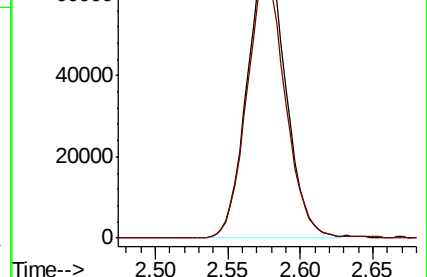
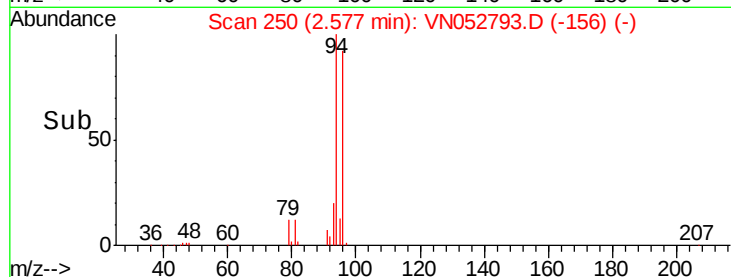


Abundance Ion 93.90 (93.60 to 94.60): VN052793.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052793.D (-156) (-)

2.58

Time-->



#6

Chloroethane

Concen: 16.826 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052793.D

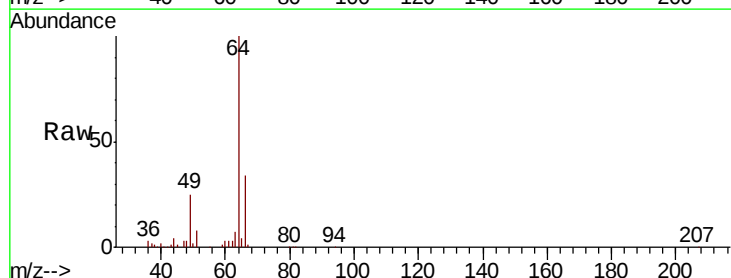
Acq: 11 Dec 2018 10:50

Tgt Ion: 64 Resp: 132512

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5

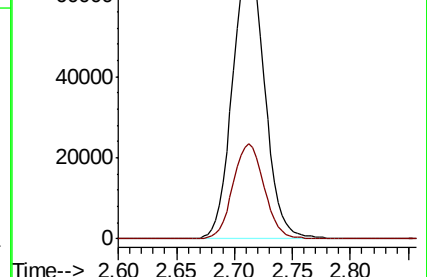
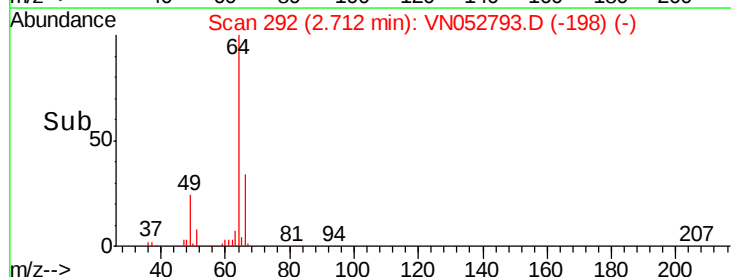


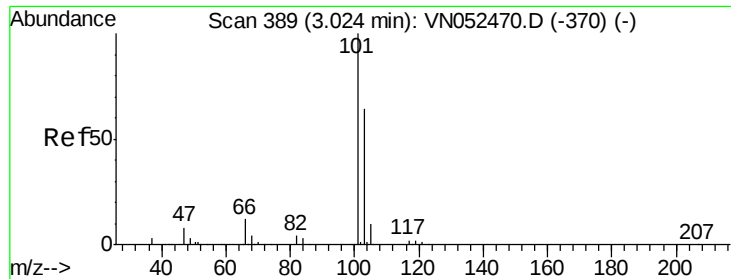
Abundance Ion 63.90 (63.60 to 64.60): VN052793.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052793.D (-198) (-)

2.71

Time-->



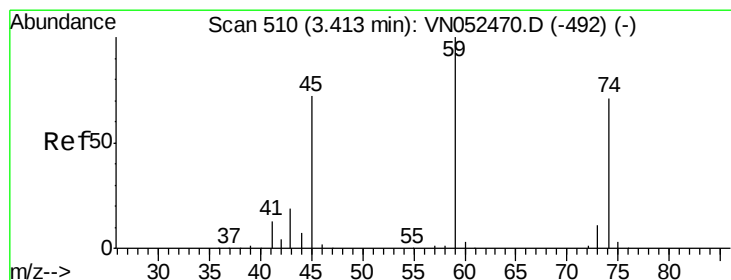
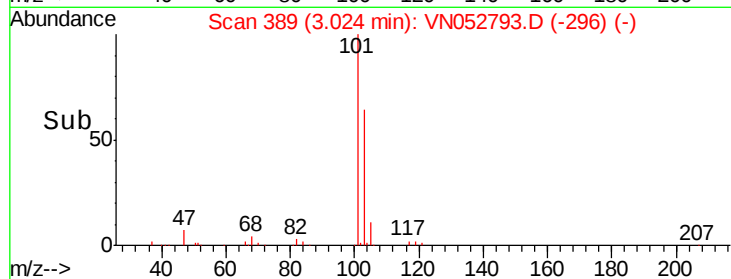
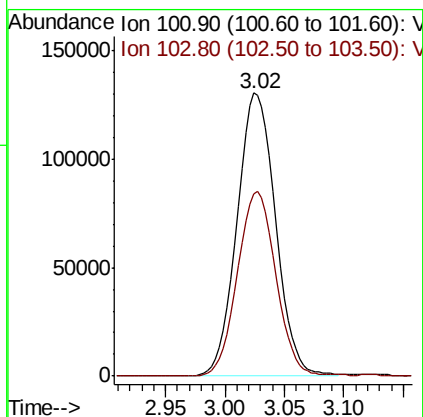
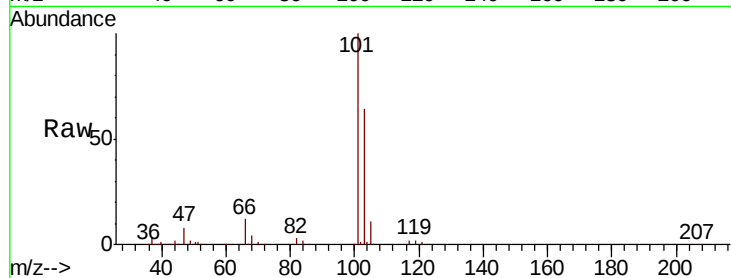


#7

Trichlorofluoromethane
 Concen: 18.361 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN1211WBS01

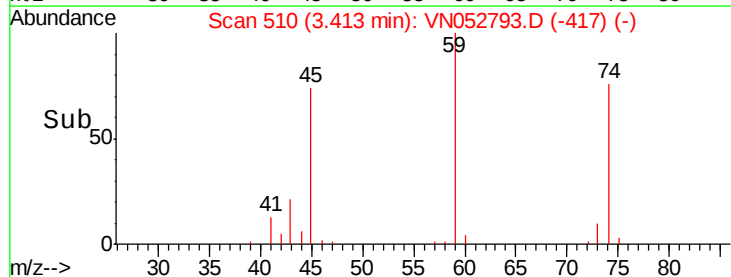
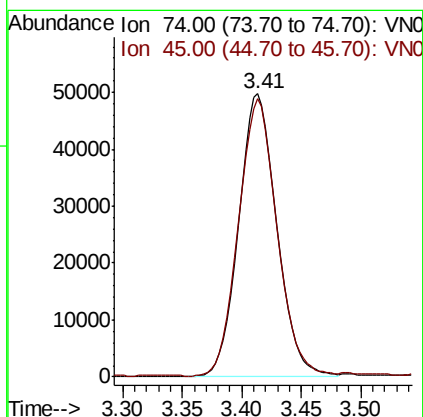
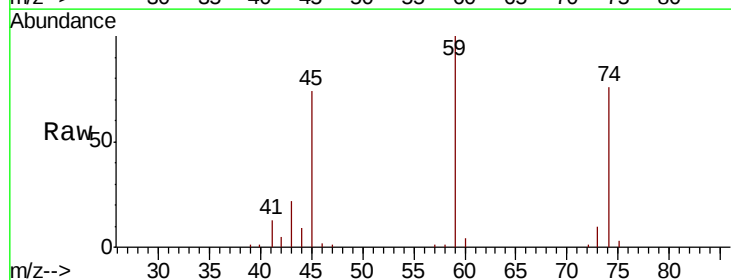
Tot Ion:101 Resp: 293229
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2



#8

Diethyl Ether
 Concen: 18.754 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 74 Resp: 110605
 Ion Ratio Lower Upper
 74 100
 45 98.5 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.545 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

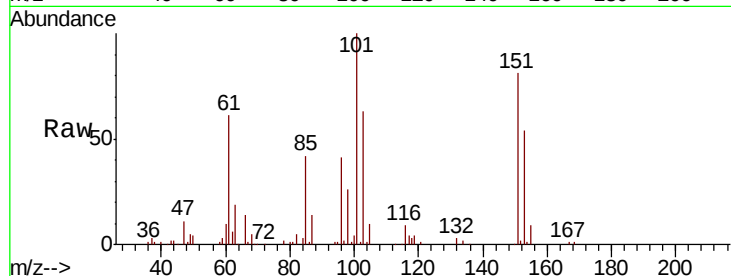
Tot Ion:101 Resp: 194774

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

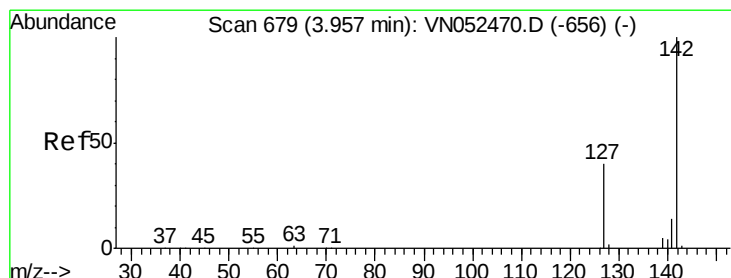
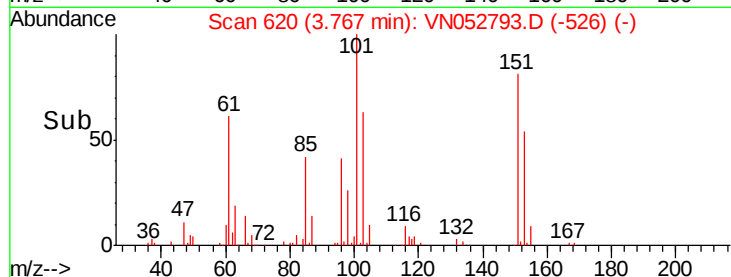
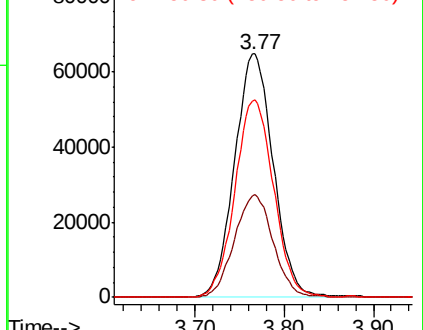
151 81.1 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.583 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

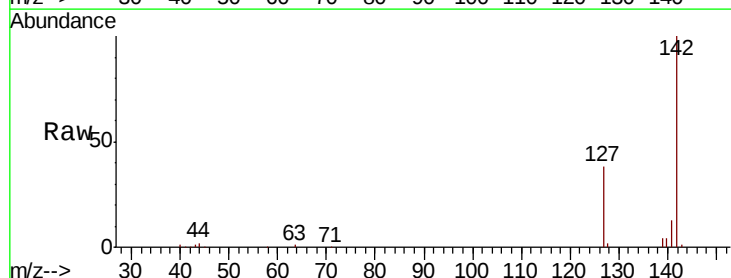
Tgt Ion:142 Resp: 220106

Ion Ratio Lower Upper

142 100

127 38.8 31.8 47.6

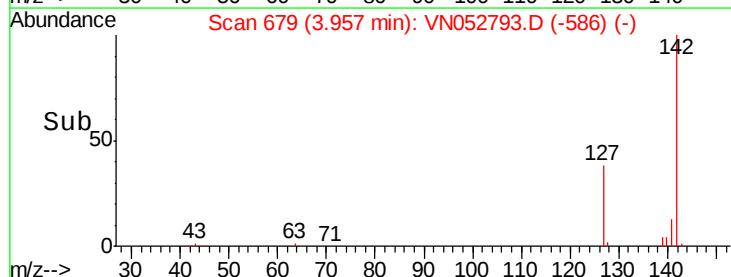
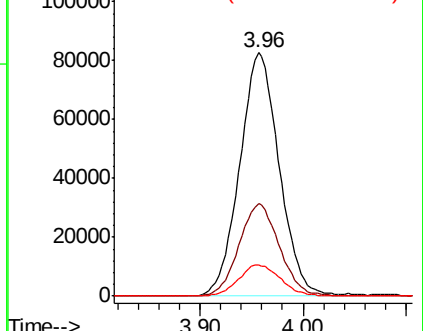
141 13.6 11.4 17.0

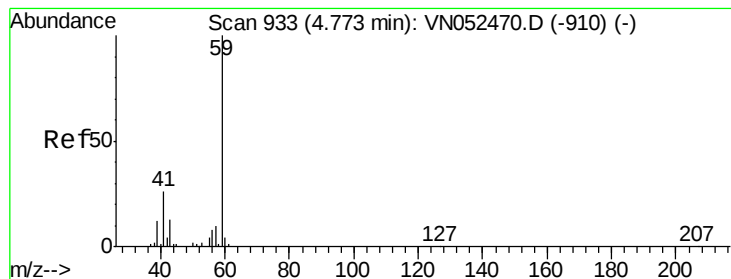


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



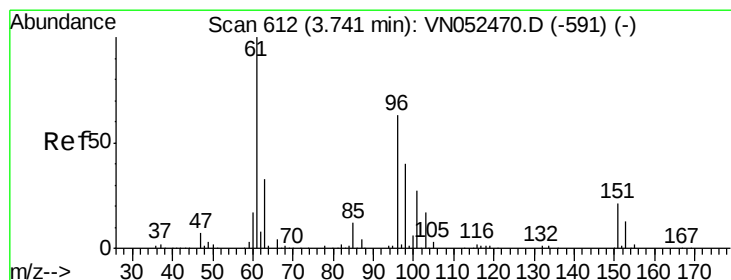
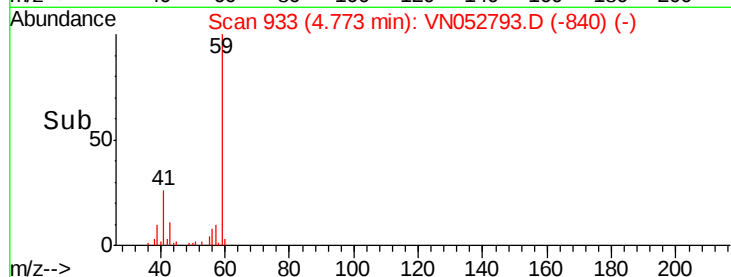
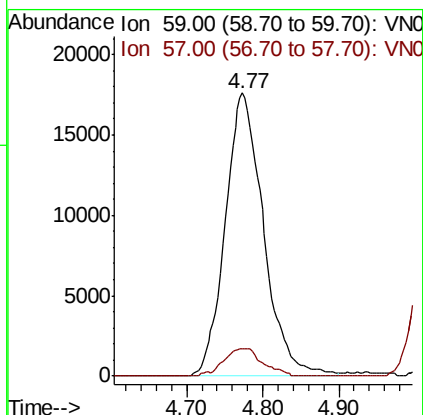
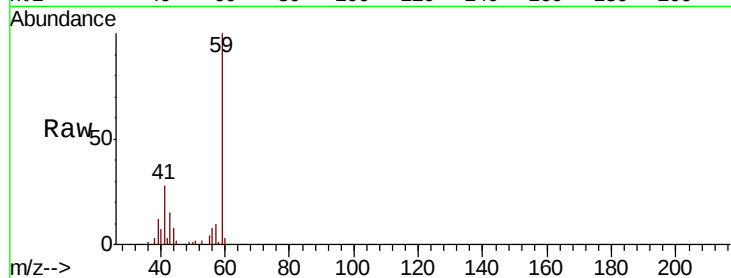


#11

Tert butyl alcohol
 Concen: 110.544 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

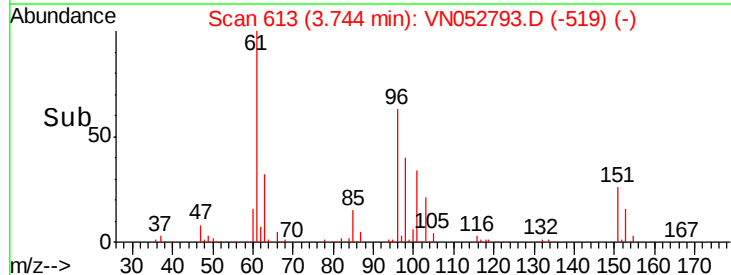
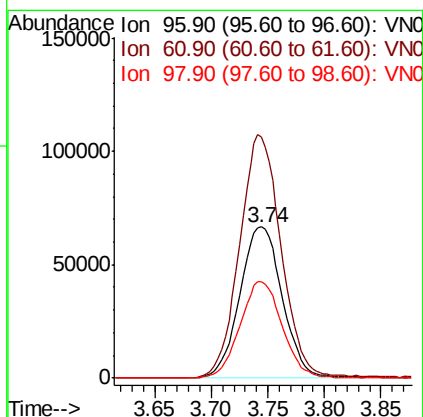
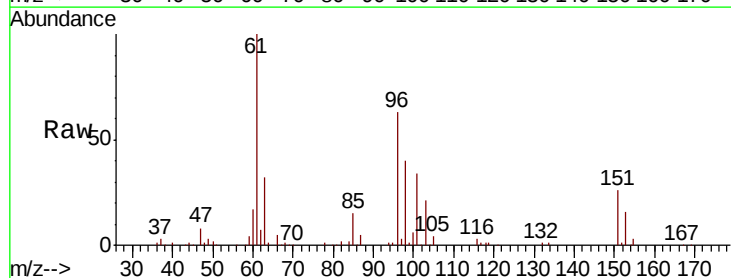
Tot Ion: 59 Resp: 61705
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

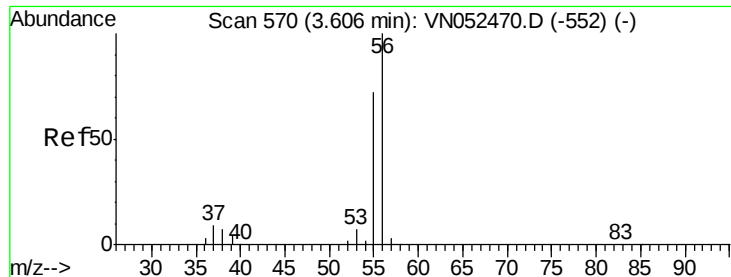


#12

1,1-Dichloroethene
 Concen: 18.125 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 96 Resp: 173861
 Ion Ratio Lower Upper
 96 100
 61 159.4 127.0 190.6
 98 63.9 50.3 75.5

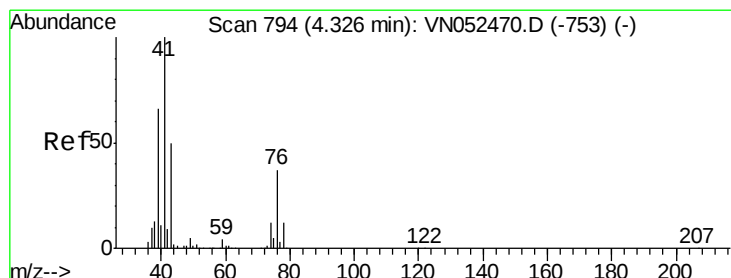
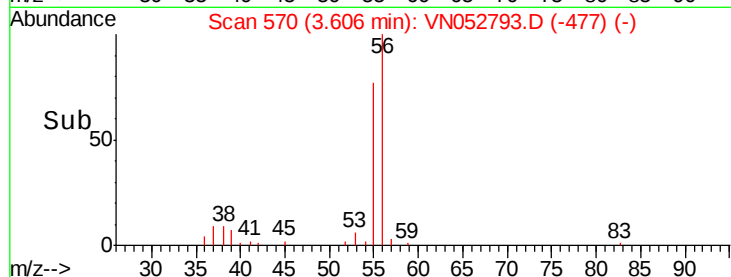
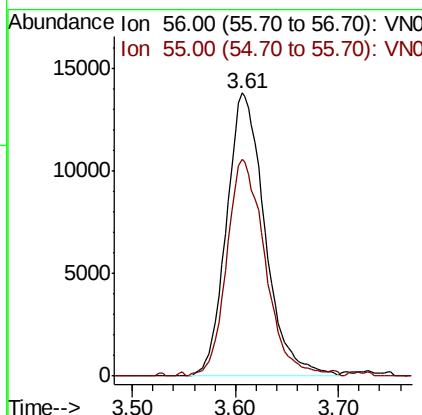
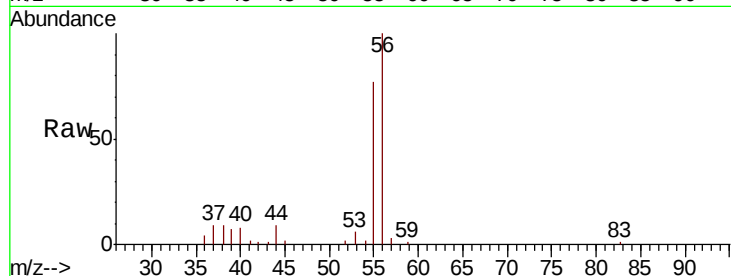




#13
Acrolein
Concen: 36.873 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

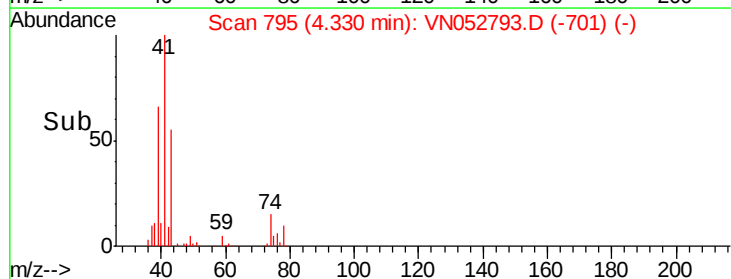
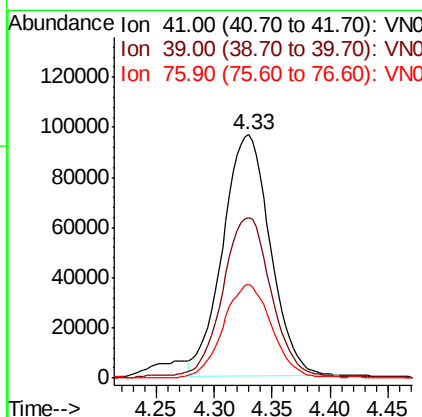
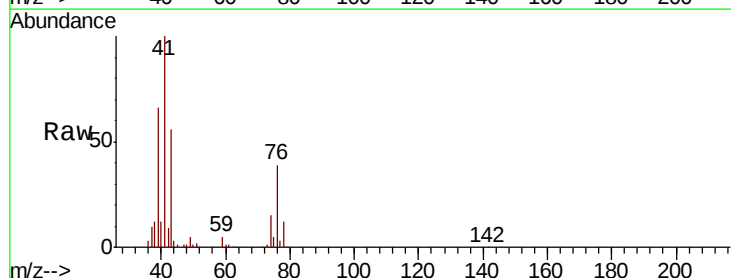
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 56 Resp: 35772
Ion Ratio Lower Upper
56 100
55 76.3 56.8 85.2



#14
Allyl chloride
Concen: 16.670 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 41 Resp: 275604
Ion Ratio Lower Upper
41 100
39 69.2 50.6 76.0
76 38.7 27.4 41.2





#15

Acrylonitrile

Concen: 94.969 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

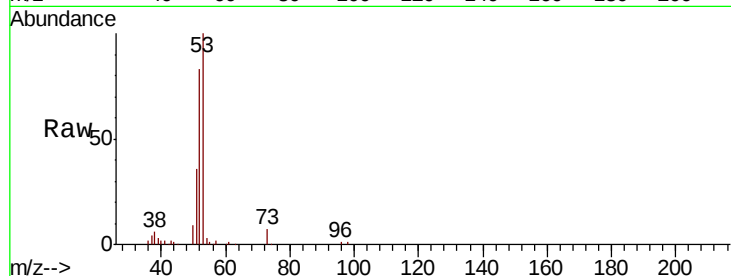
Tot Ion: 53 Resp: 335567

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

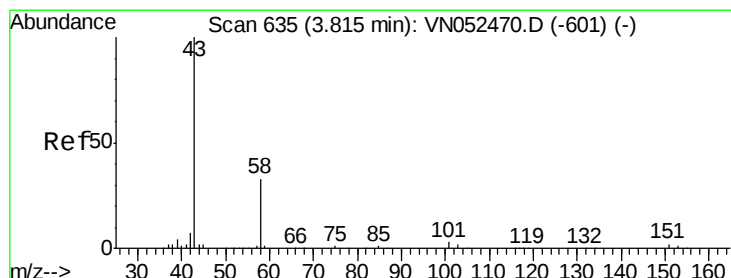
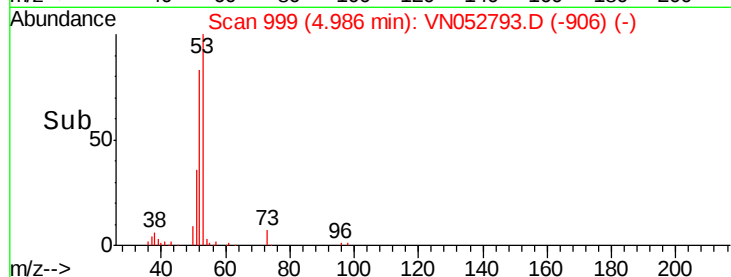
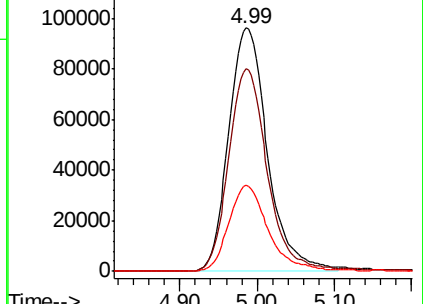
51 36.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052793.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN052793.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN052793.D (-906) (-)



#16

Acetone

Concen: 89.474 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052793.D

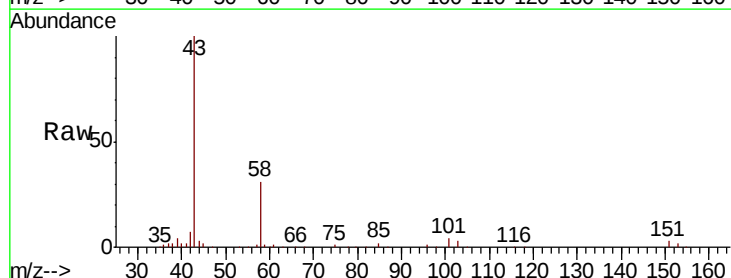
Acq: 11 Dec 2018 10:50

Tgt Ion: 43 Resp: 263134

Ion Ratio Lower Upper

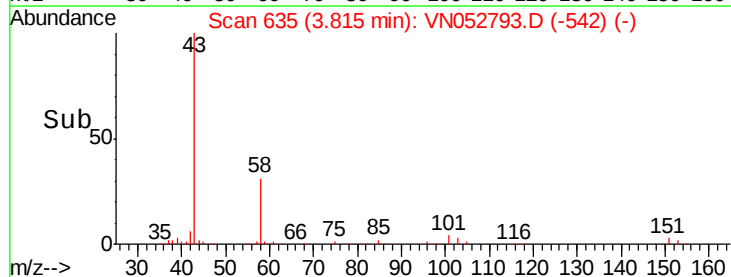
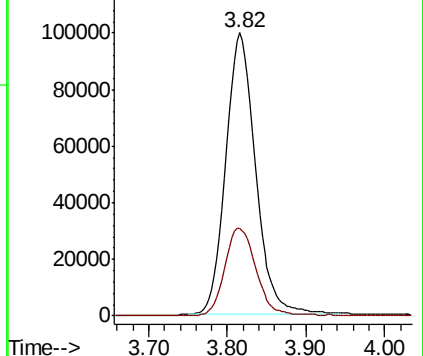
43 100

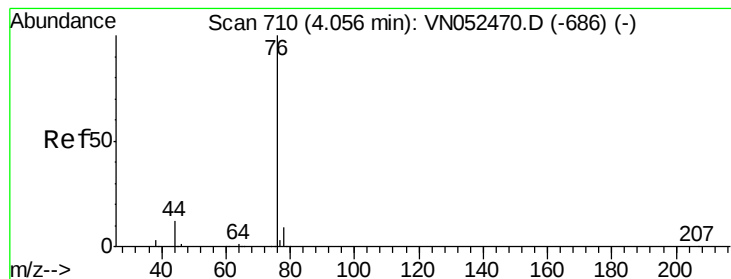
58 30.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052793.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052793.D (-542) (-)





#17

Carbon Disulfide

Concen: 14.769 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

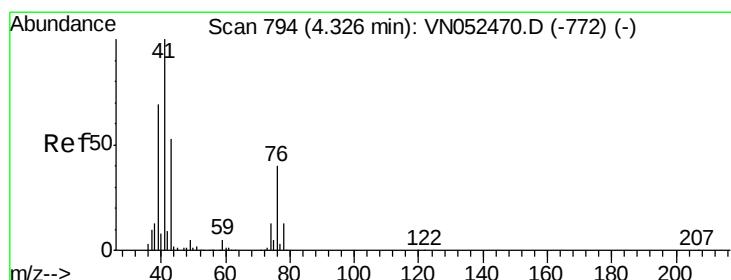
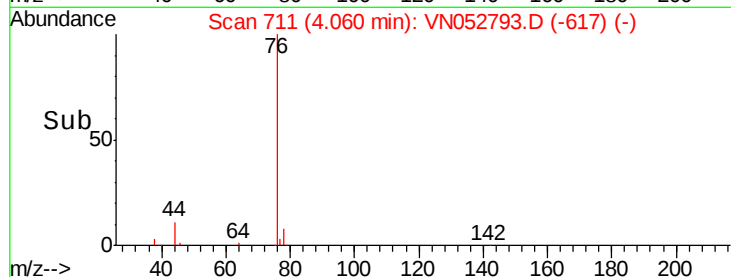
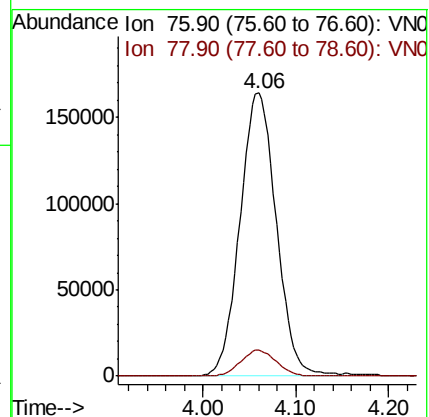
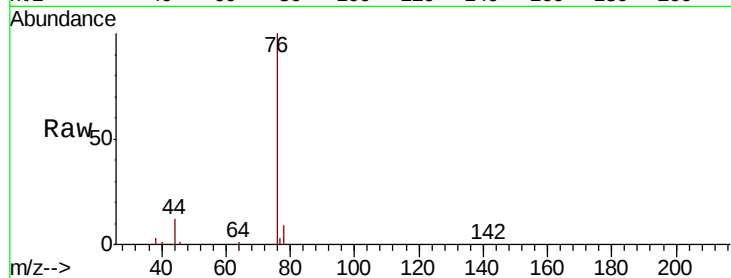
VN1211WBS01

Tot Ion: 76 Resp: 445846

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



#18

Methyl Acetate

Concen: 20.042 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052793.D

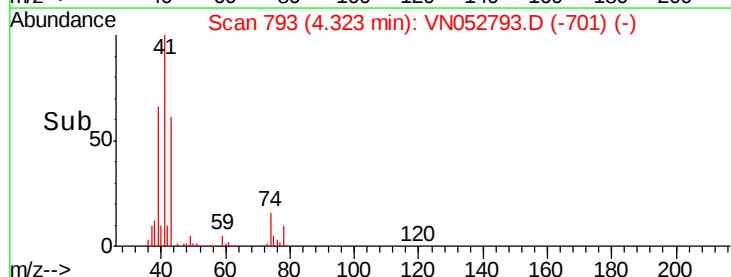
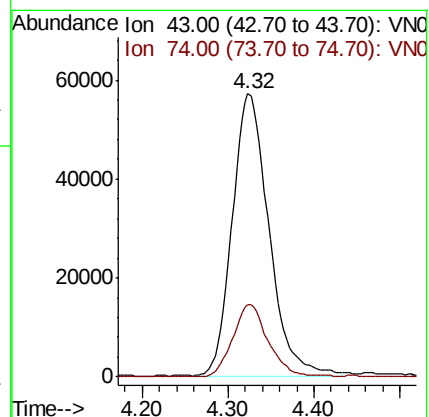
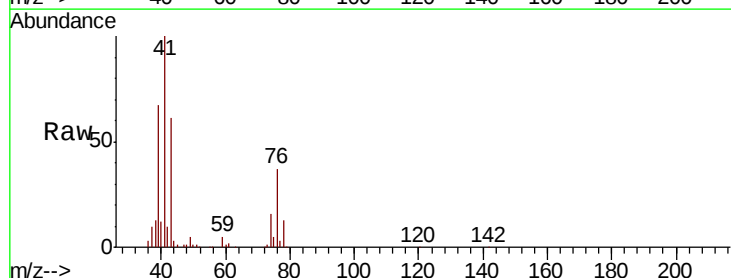
Acq: 11 Dec 2018 10:50

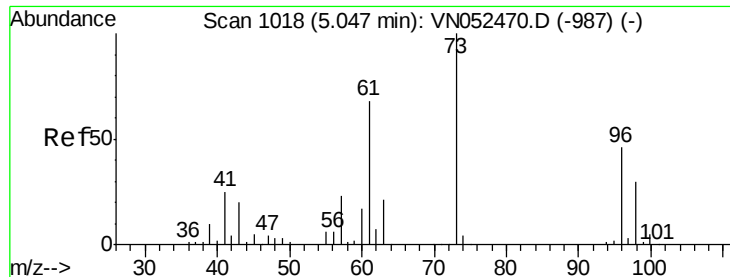
Tgt Ion: 43 Resp: 169068

Ion Ratio Lower Upper

43 100

74 25.0 18.6 27.8



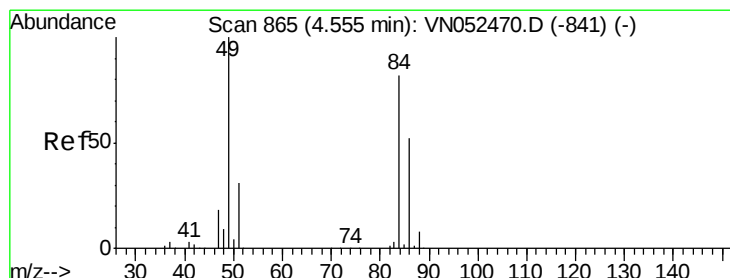
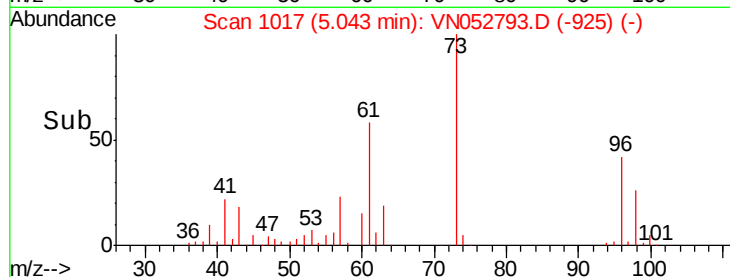
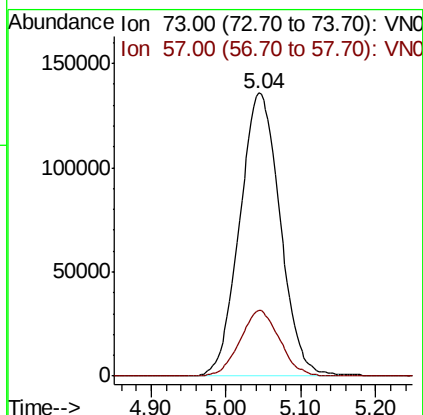
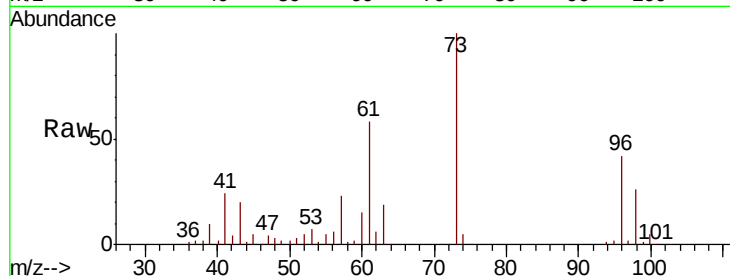


#19

Methyl tert-butyl Ether
 Concen: 19.994 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

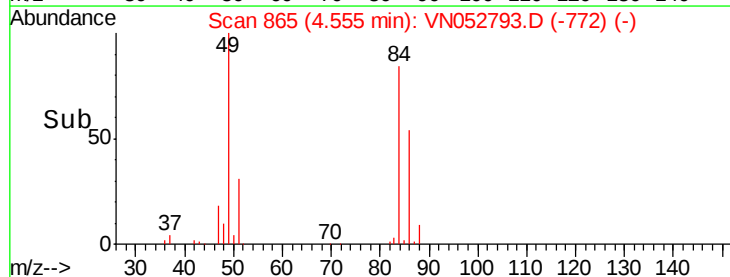
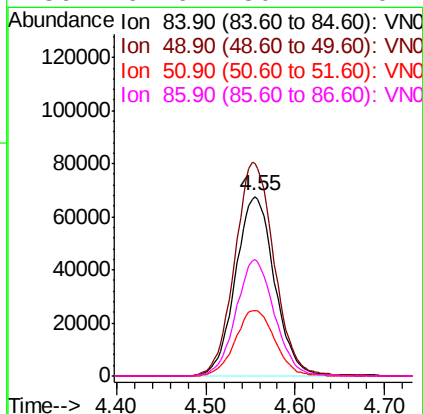
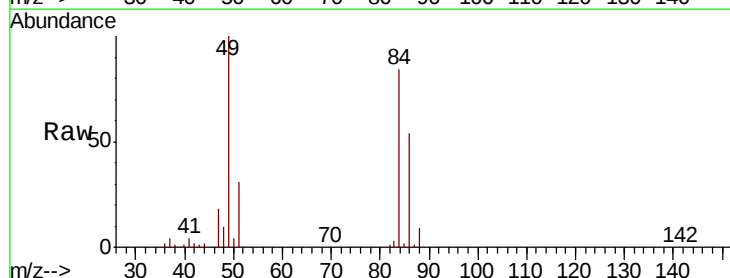
Tot Ion: 73 Resp: 510286
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.2 27.2

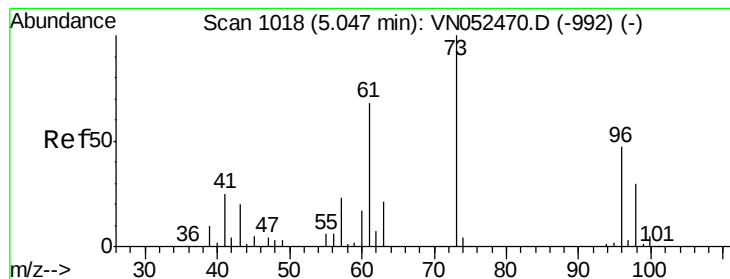


#20

Methylene Chloride
 Concen: 17.900 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 84 Resp: 206006
 Ion Ratio Lower Upper
 84 100
 49 118.8 98.0 147.0
 51 36.4 30.1 45.1
 86 64.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.213 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

VN1211WBS01

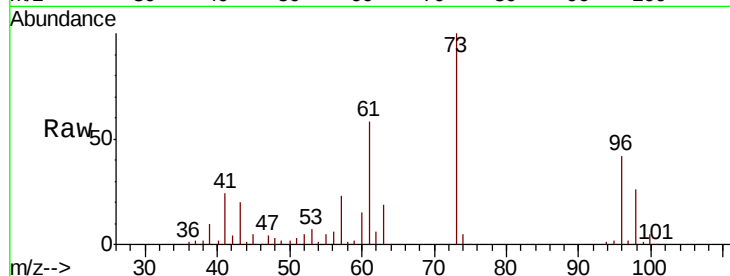
Tot Ion: 96 Resp: 186594

Ion Ratio Lower Upper

96 100

61 137.7 117.0 175.4

98 61.2 51.8 77.6

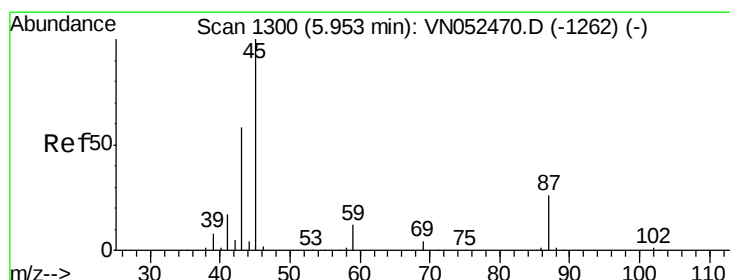
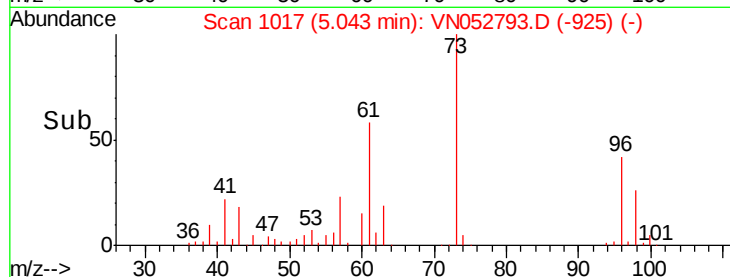
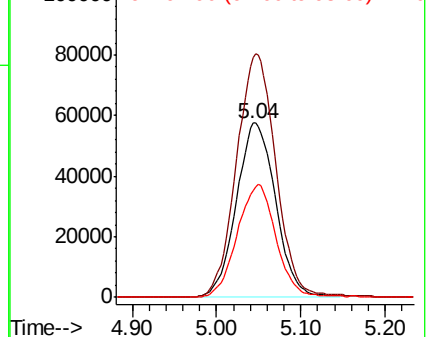


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 18.999 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion: 45 Resp: 659792

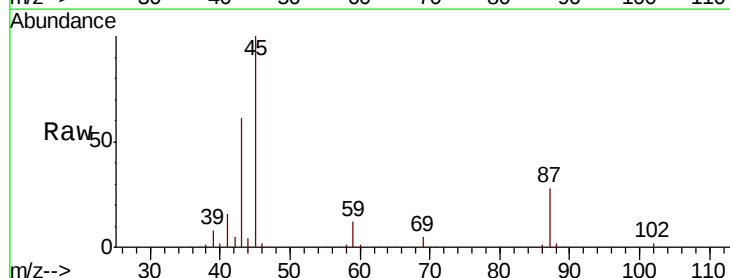
Ion Ratio Lower Upper

45 100

43 59.8 46.1 69.1

87 27.9 21.3 31.9

59 11.7 9.5 14.3



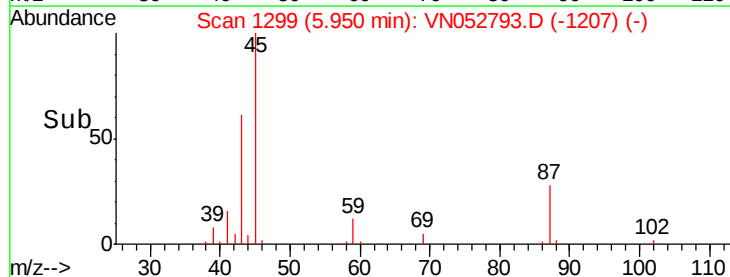
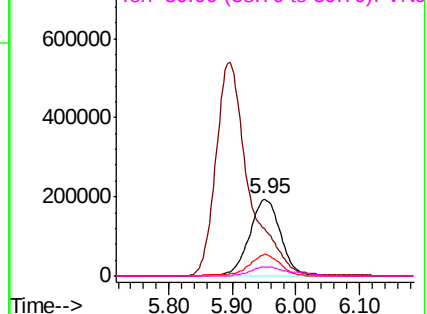
Abundance

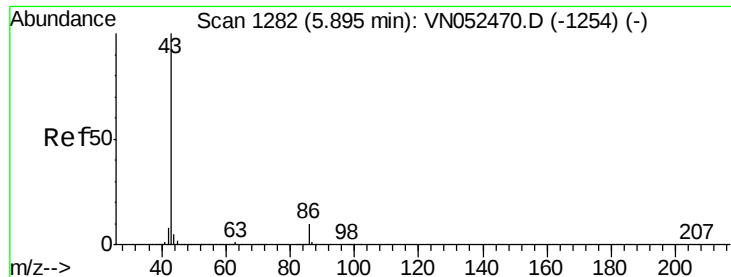
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 89.486 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

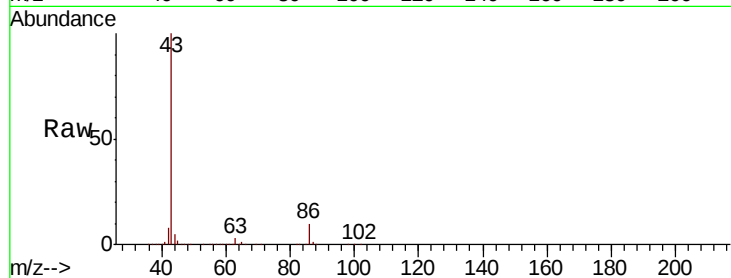
VN1211WBS01

Tot Ion: 43 Resp: 1935603

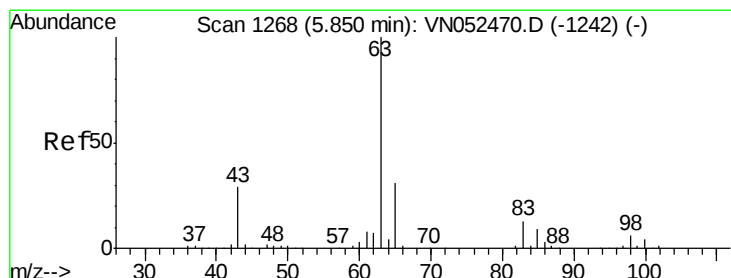
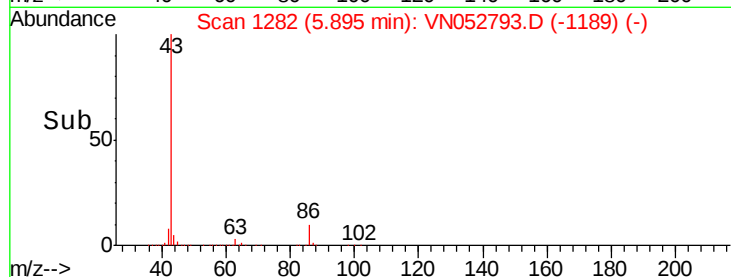
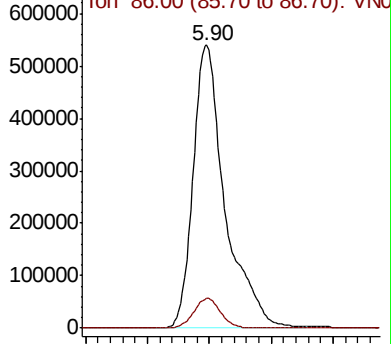
Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052793.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 18.855 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

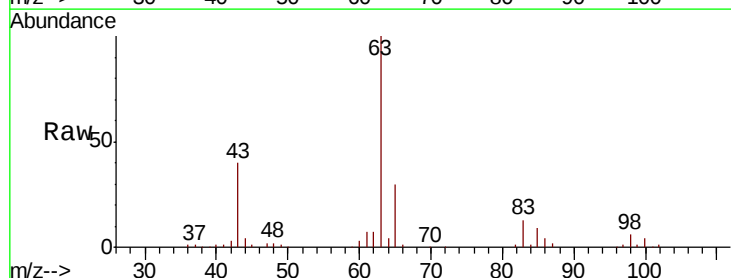
Tgt Ion: 63 Resp: 373864

Ion Ratio Lower Upper

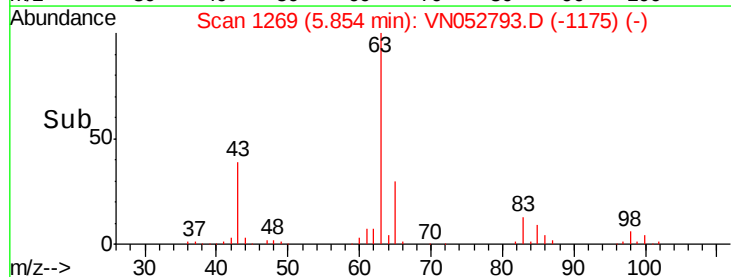
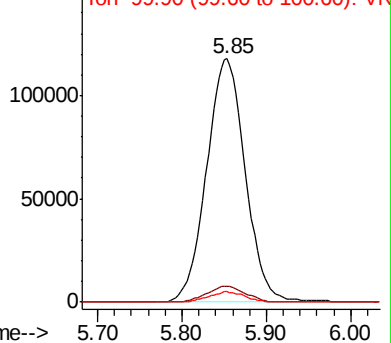
63 100

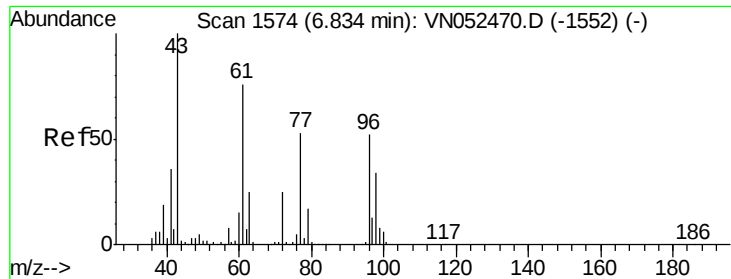
98 6.5 3.0 9.2

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052793.D (-1175) (-)

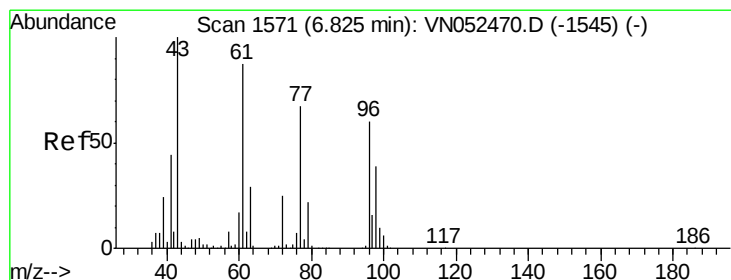
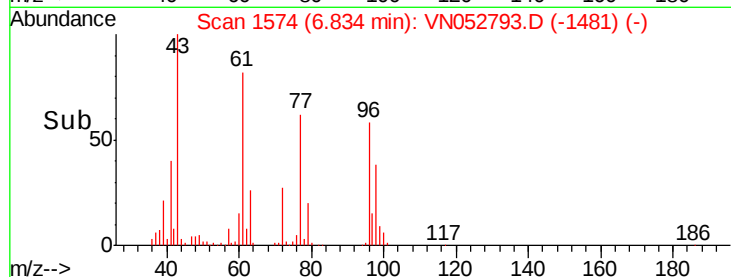
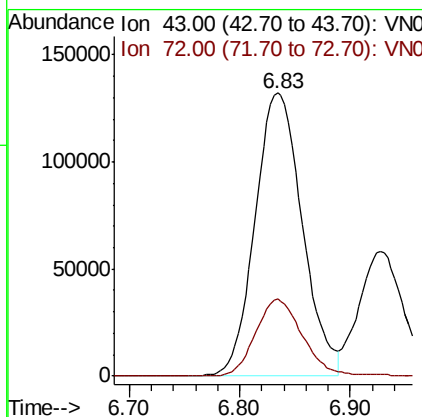
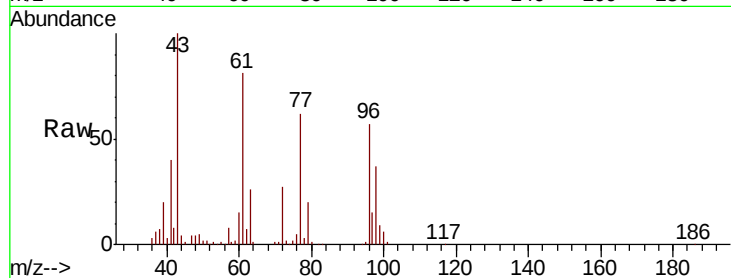




#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

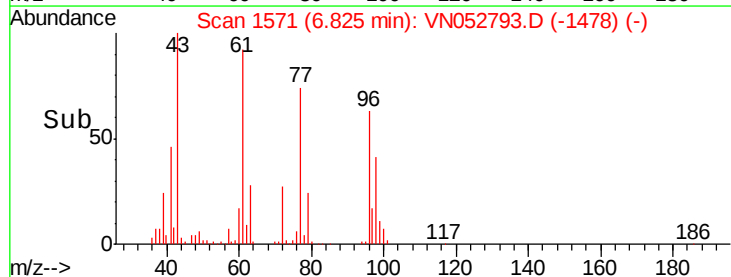
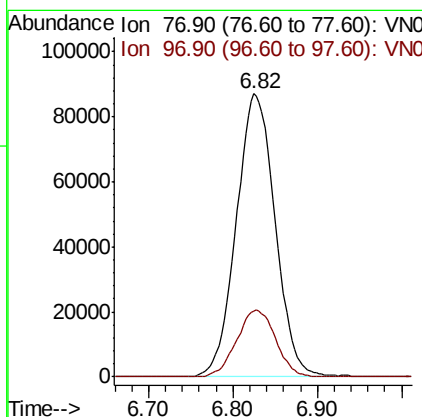
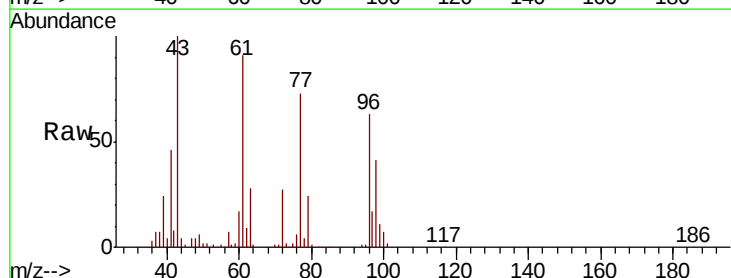
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

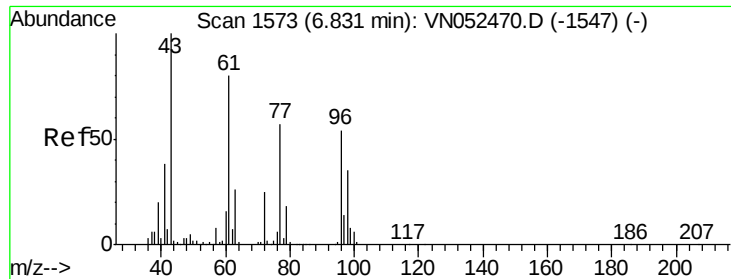
Tot Ion: 43 Resp: 390197
Ion Ratio Lower Upper
43 100
72 27.2 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.292 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 77 Resp: 278491
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.159 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

VN1211WBS01

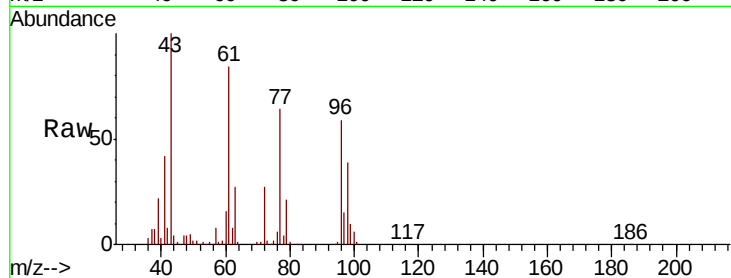
Tot Ion: 96 Resp: 228646

Ion Ratio Lower Upper

96 100

61 141.8 0.0 291.0

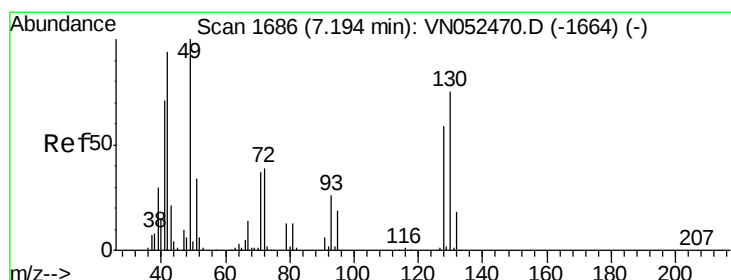
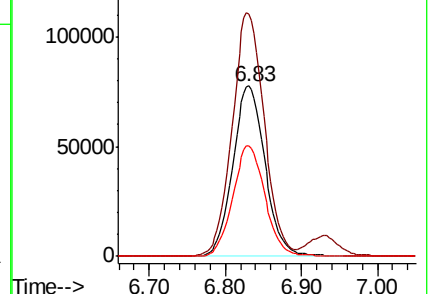
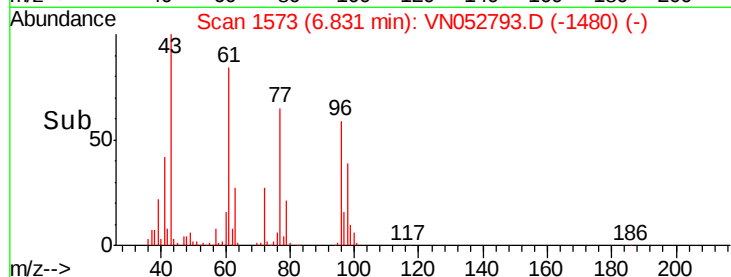
98 64.4 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN052793.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052793.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052793.D (-1480) (-)



#28

Bromochloromethane

Concen: 19.450 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

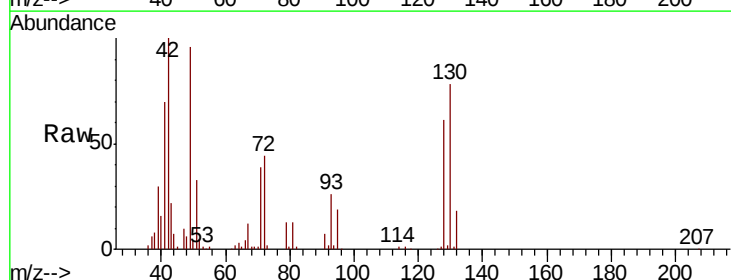
Tgt Ion: 49 Resp: 176145

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

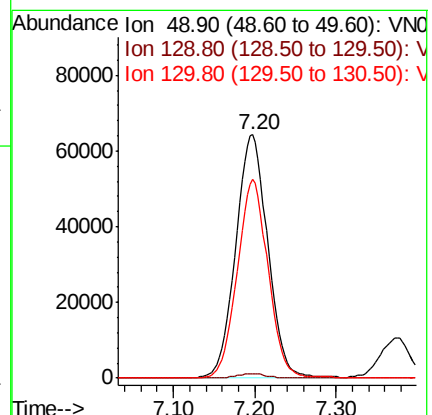
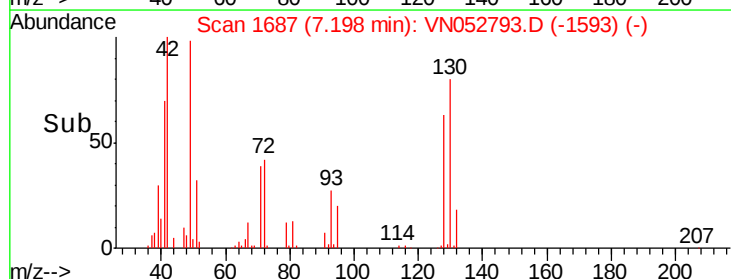
130 78.1 60.2 90.2

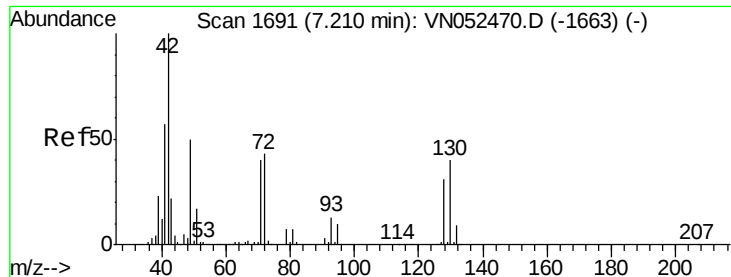


Abundance Ion 48.90 (48.60 to 49.60): VN052793.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052793.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052793.D (-1593) (-)

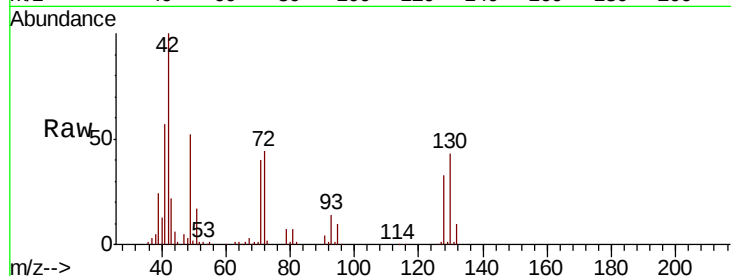




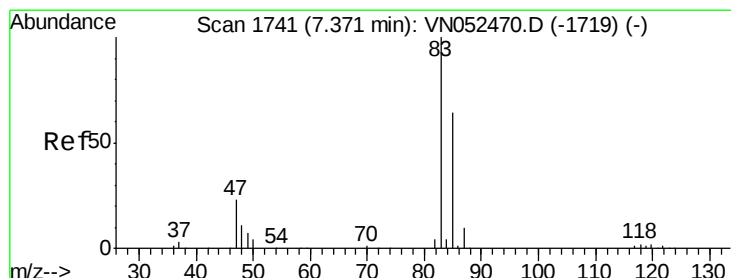
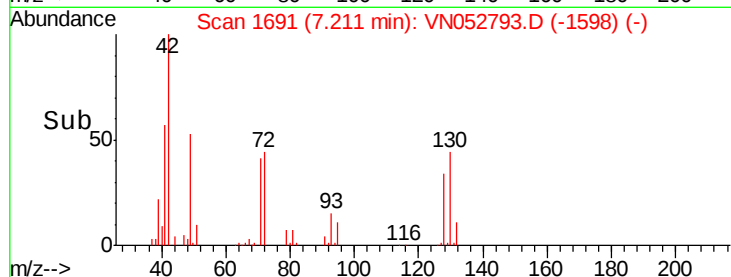
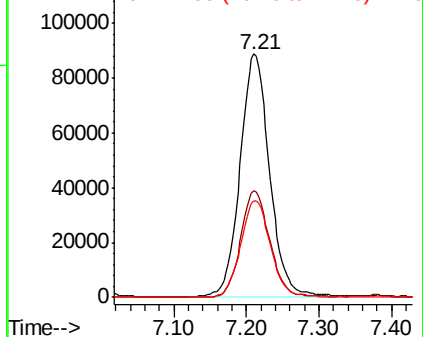
#29
Tetrahydrofuran
Concen: 93.298 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 42 Resp: 250842
Ion Ratio Lower Upper
42 100
72 43.2 33.3 49.9
71 40.4 32.0 48.0

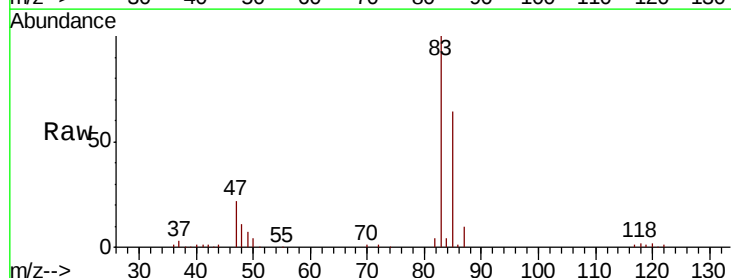


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

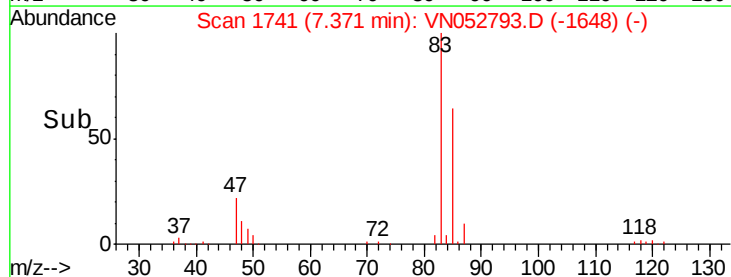
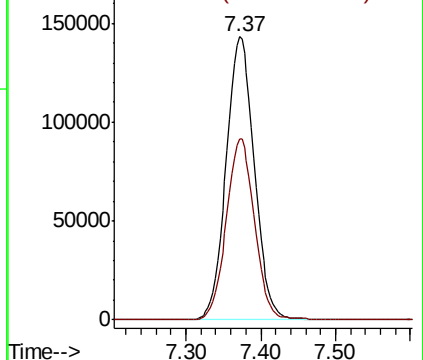


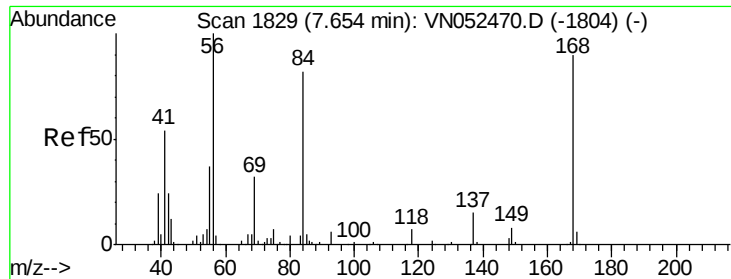
#30
Chloroform
Concen: 18.925 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 83 Resp: 374392
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4



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





#31

Cyclohexane

Concen: 17.311 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

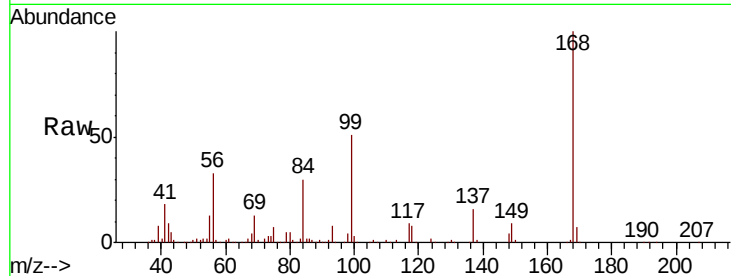
Tot Ion: 56 Resp: 336819

Ion Ratio Lower Upper

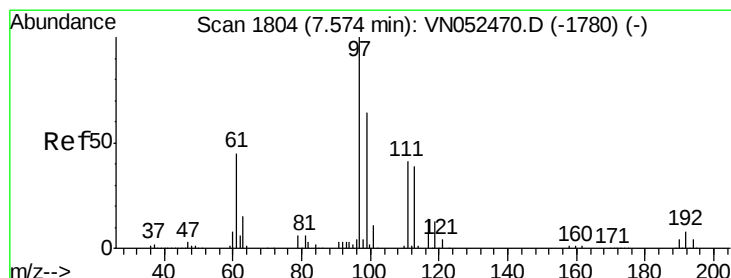
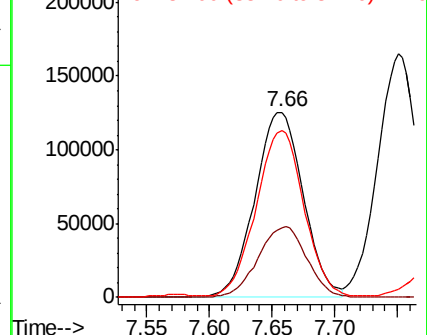
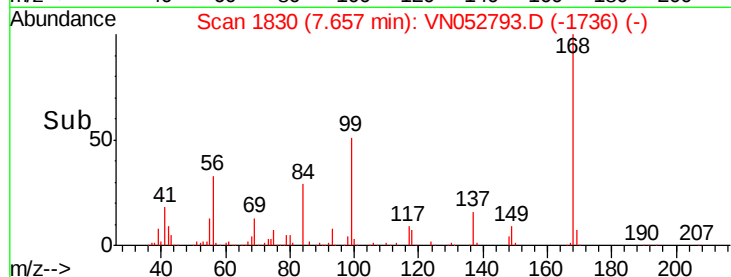
56 100

69 37.7 25.8 38.6

84 89.4 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052793.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.397 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

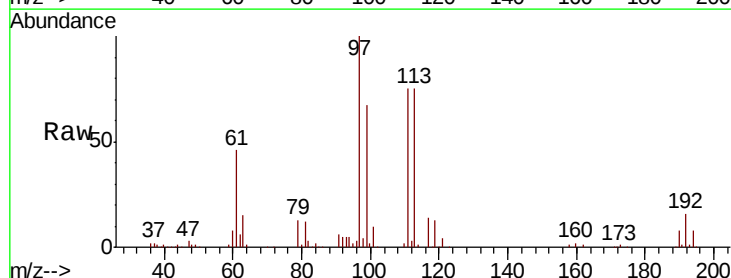
Tgt Ion: 97 Resp: 304031

Ion Ratio Lower Upper

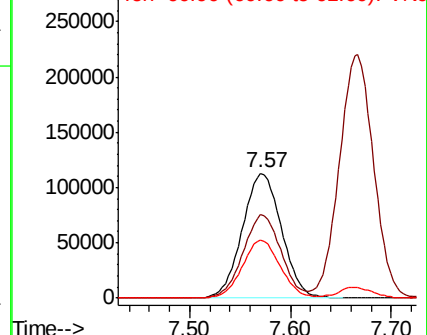
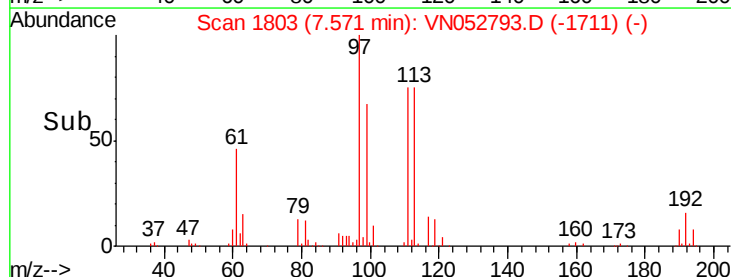
97 100

99 64.9 51.7 77.5

61 45.1 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052793.D (-1711) (-)

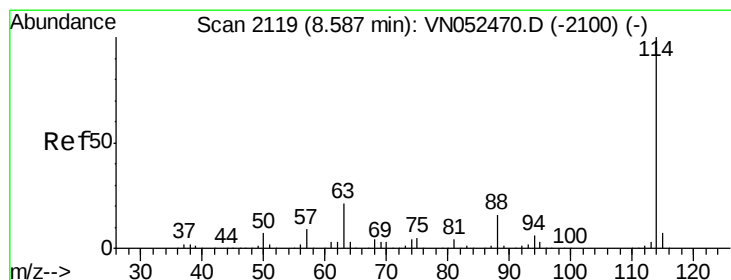
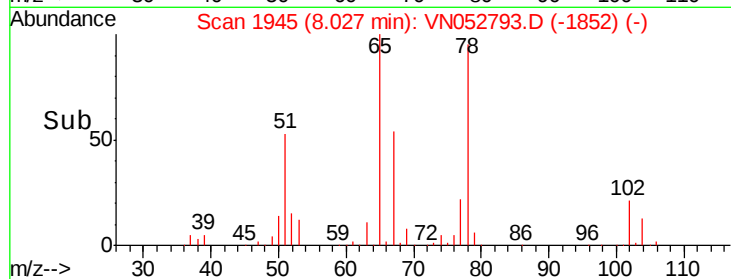
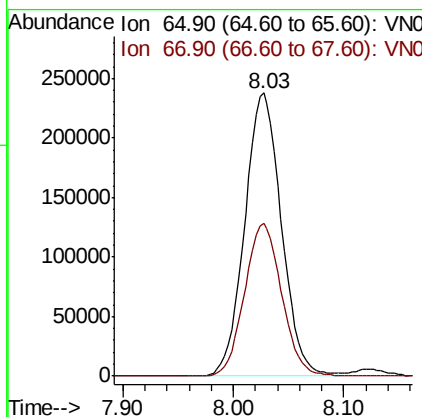
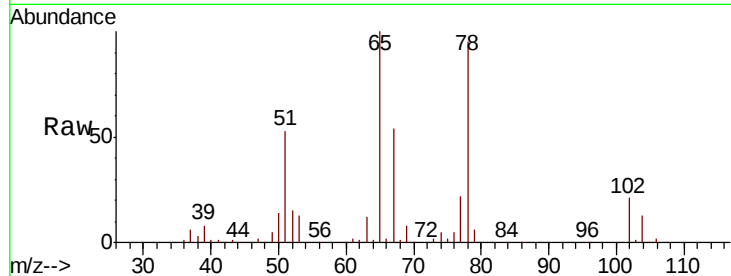




#33
 1,2-Dichloroethane-d4
 Concen: 19.397 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

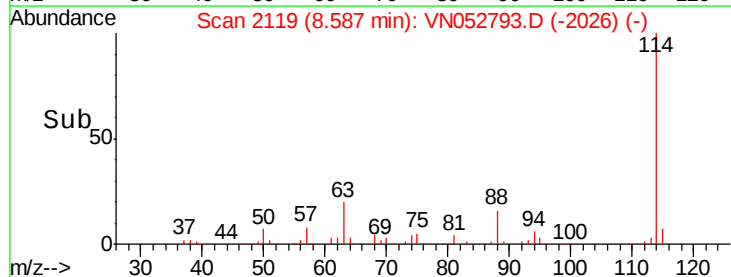
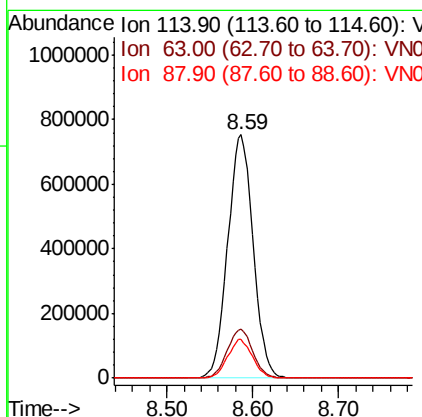
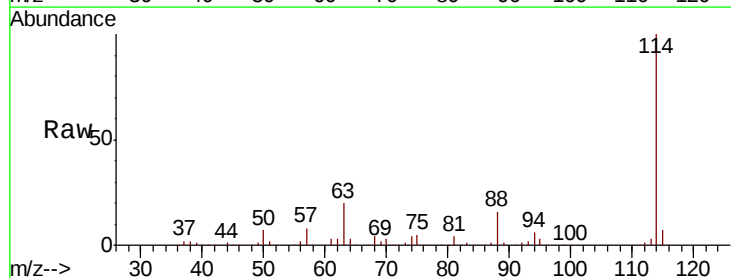
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

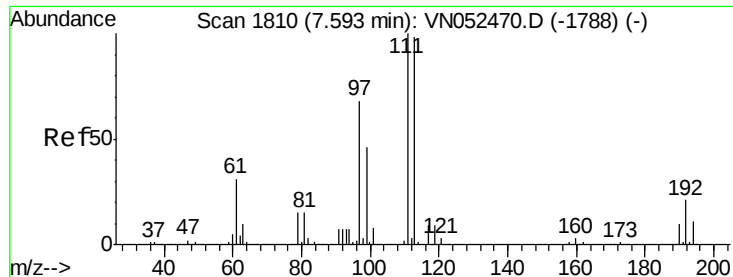
Tot Ion: 65 Resp: 548802
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 114 Resp: 1542792
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.7 0.0 31.6

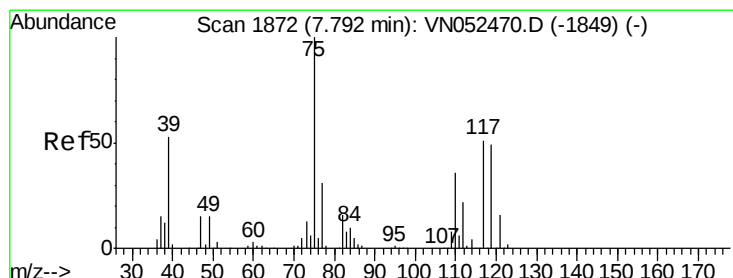
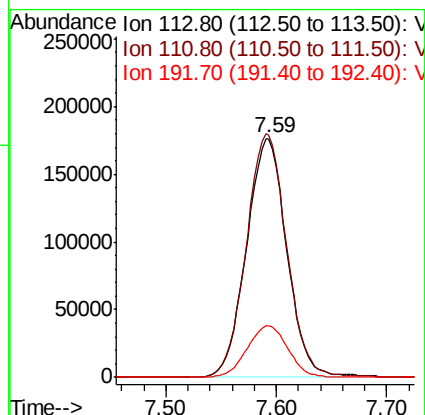
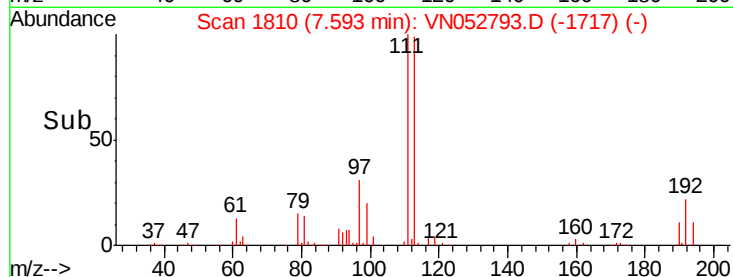
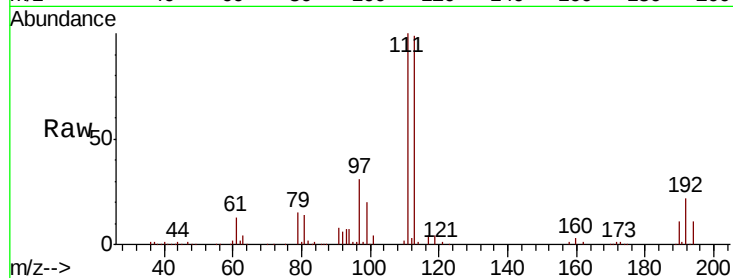




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

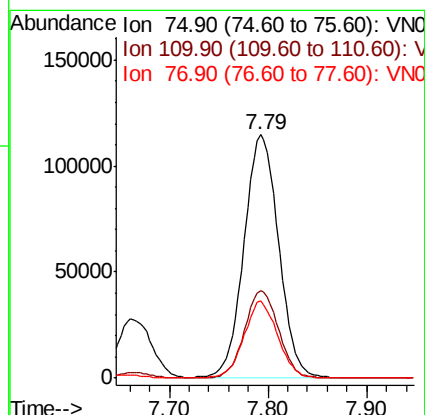
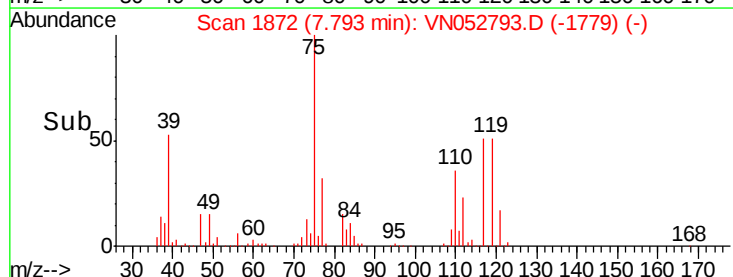
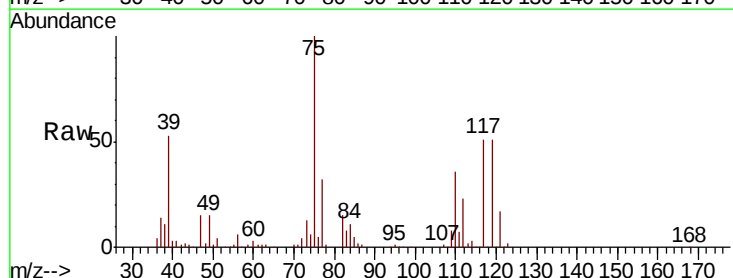
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

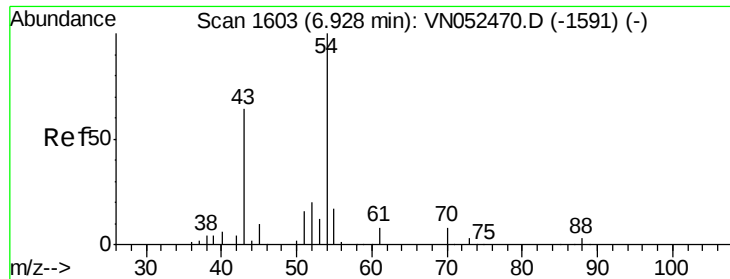
Tot Ion:113 Resp: 445534
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 19.015 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 75 Resp: 277026
Ion Ratio Lower Upper
75 100
110 35.6 17.5 52.6
77 31.1 24.5 36.7

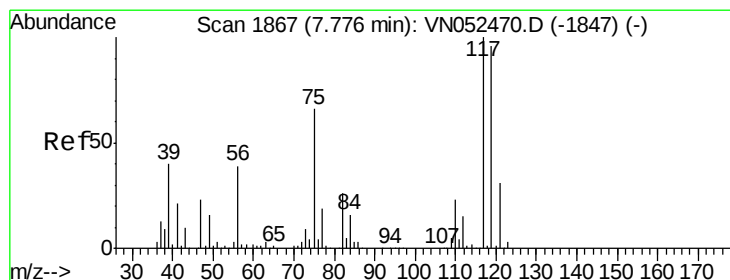
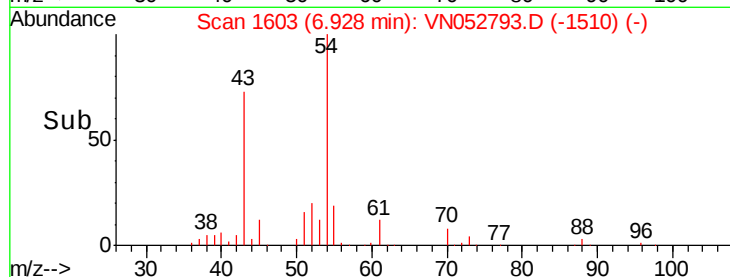
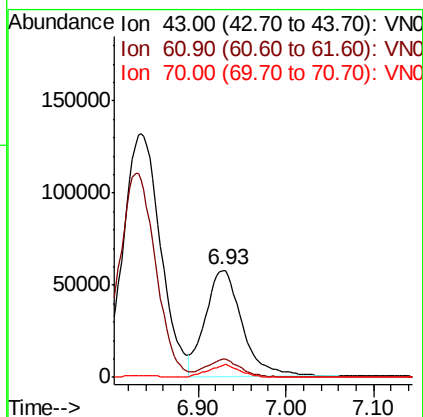
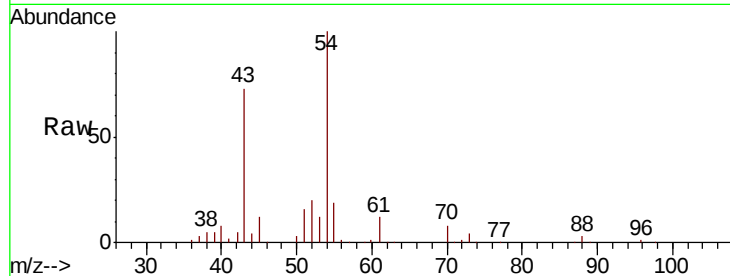




#37
Ethyl Acetate
Concen: 18.883 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

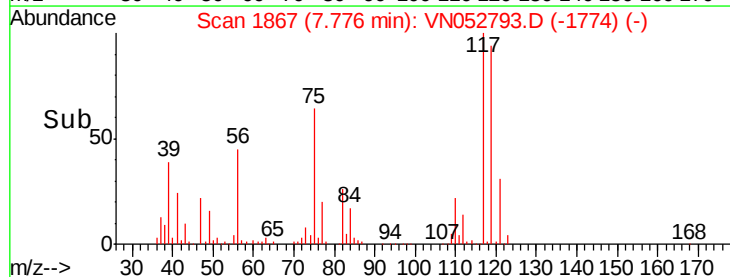
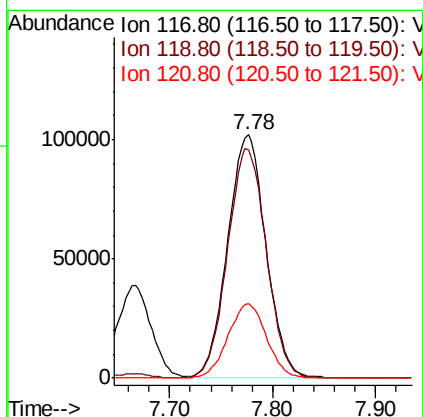
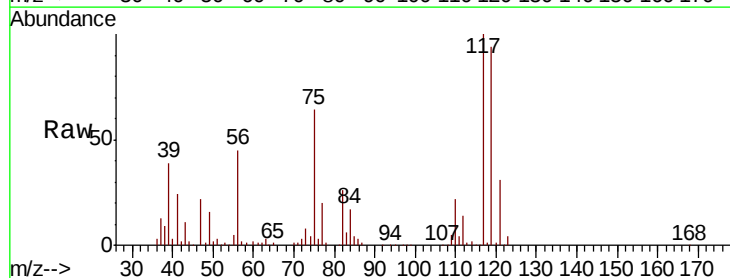
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

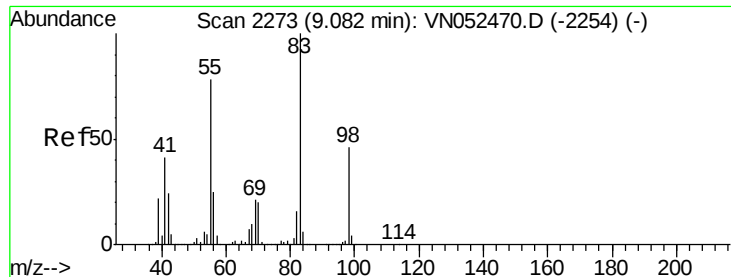
Tot Ion: 43 Resp: 167895
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.051 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 117 Resp: 264447
Ion Ratio Lower Upper
117 100
119 93.7 76.8 115.2
121 30.7 24.9 37.3

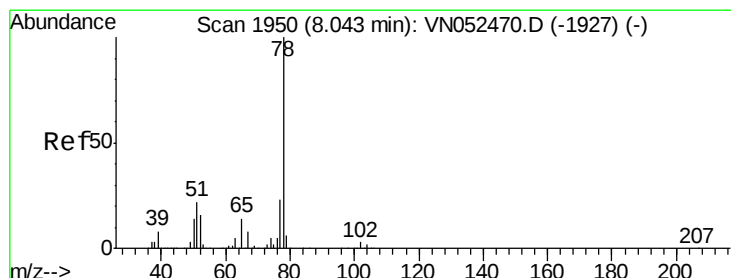
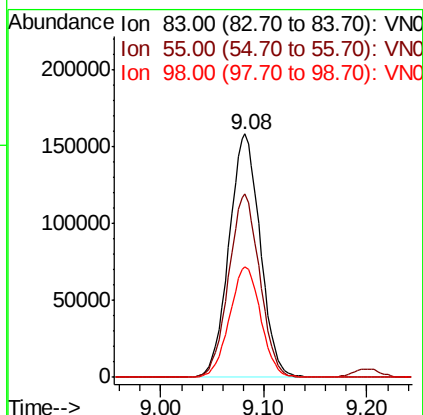
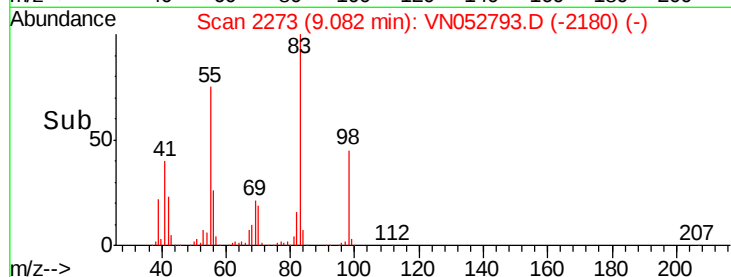
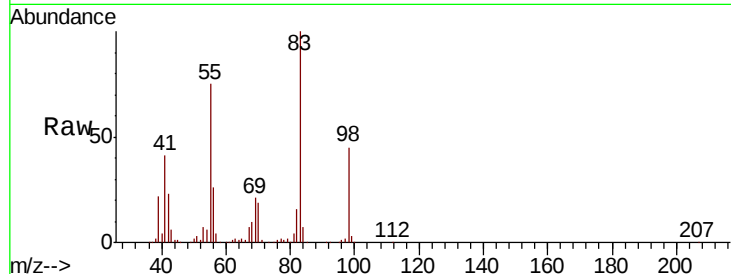




#39
Methvlcvclohexane
Concen: 18.804 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

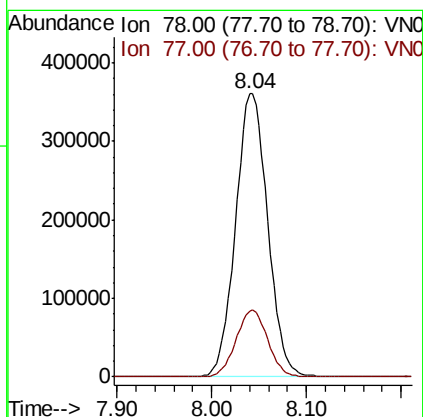
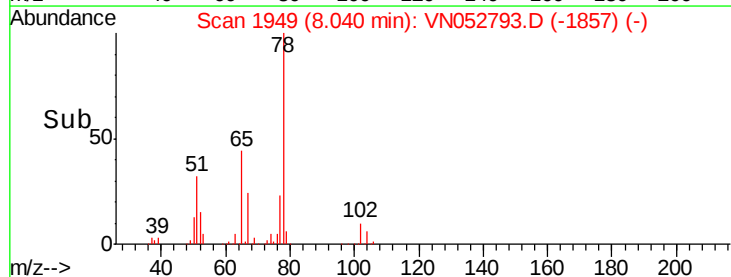
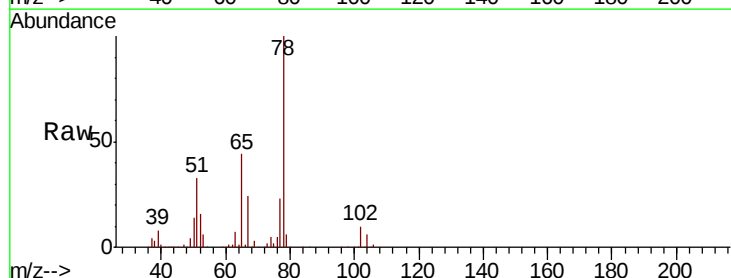
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

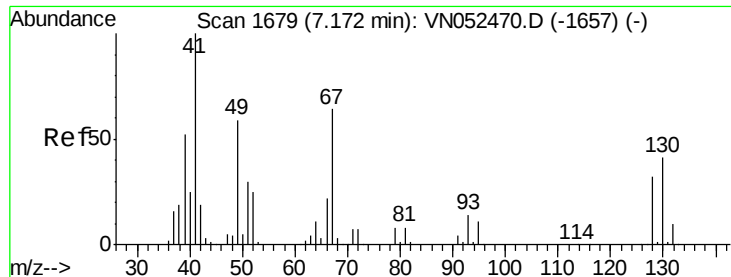
Tot Ion: 83 Resp: 332976
Ion Ratio Lower Upper
83 100
55 75.1 62.2 93.2
98 45.2 36.4 54.6



#40
Benzene
Concen: 19.582 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 78 Resp: 850226
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

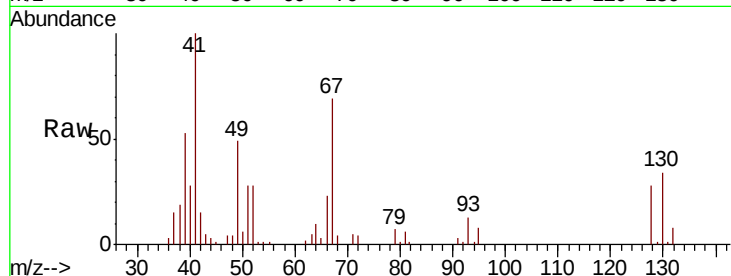




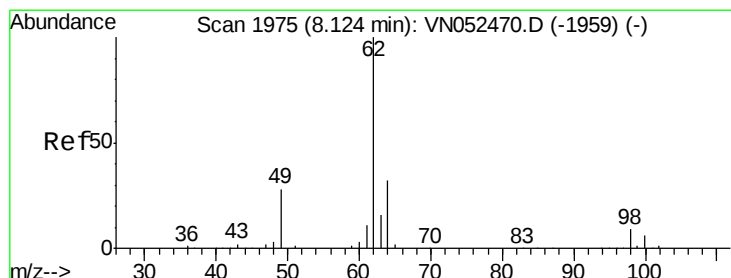
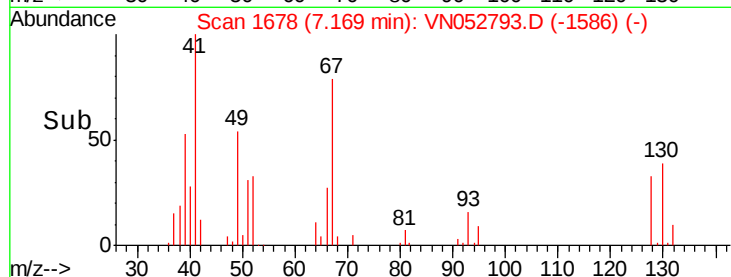
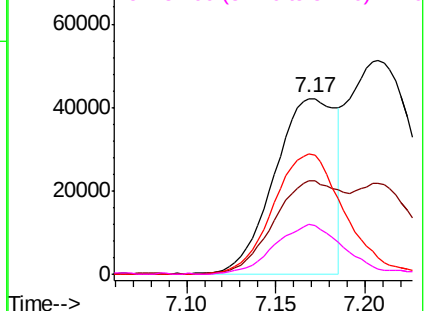
#41
Methacrylonitrile
Concen: 20.734 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion:	41	Resp:	100787
Ion	Ratio	Lower	Upper
41	100		
39	60.5	50.9	76.3
67	80.0	63.6	95.4
52	32.3	24.4	36.6

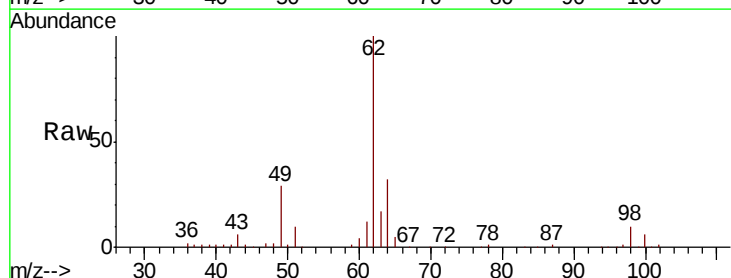


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

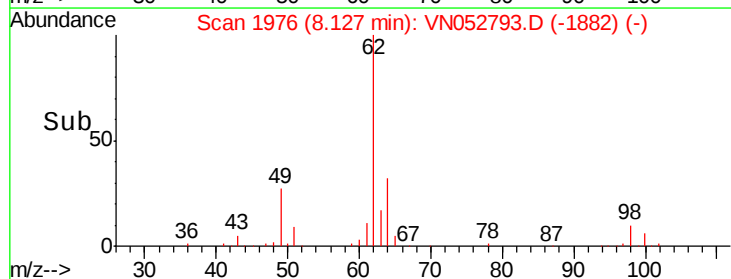
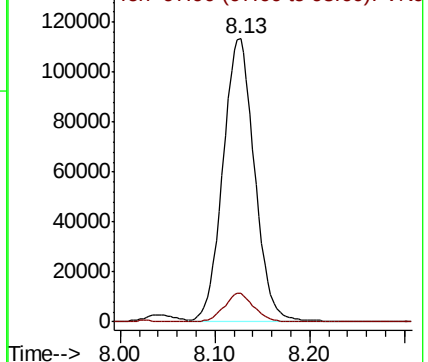


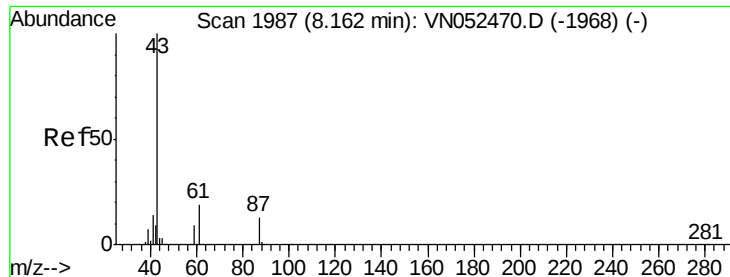
#42
1,2-Dichloroethane
Concen: 19.921 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion:	62	Resp:	261897
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 22.094 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

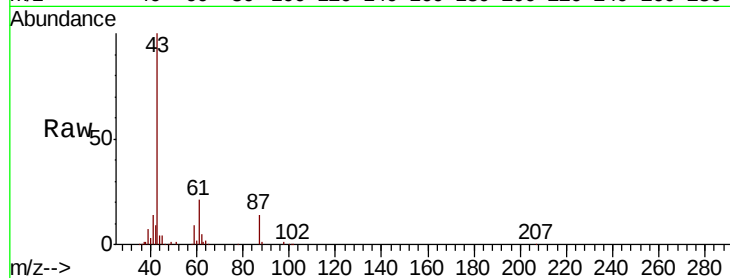
Tot Ion: 43 Resp: 332451

Ion Ratio Lower Upper

43 100

61 27.2 24.1 36.1

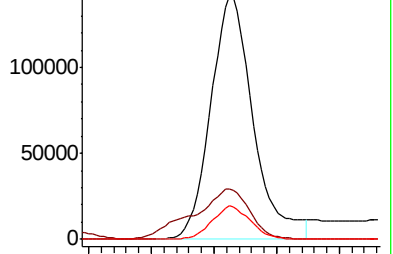
87 12.4 10.6 15.8



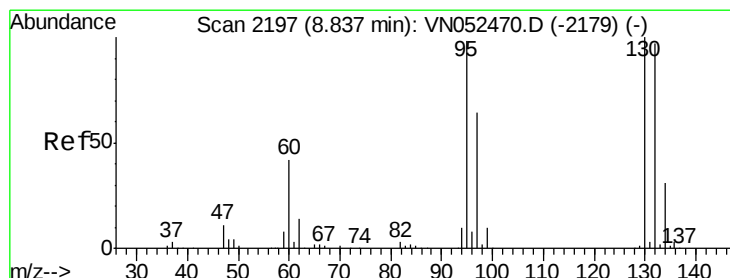
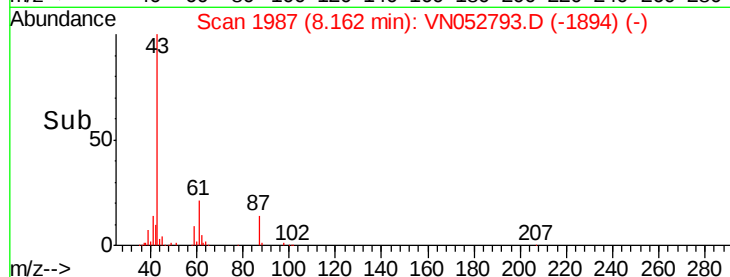
Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



Time-->



#44

Trichloroethene

Concen: 20.661 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052793.D

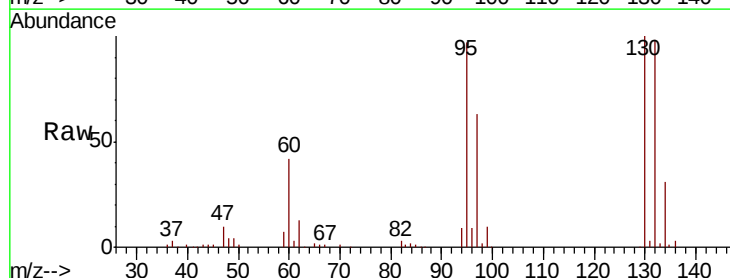
Acq: 11 Dec 2018 10:50

Tgt Ion:130 Resp: 229782

Ion Ratio Lower Upper

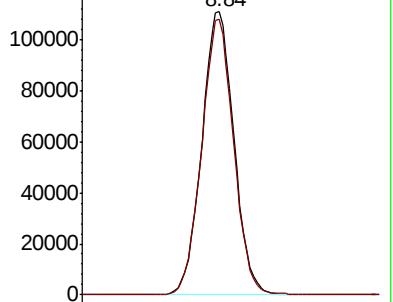
130 100

95 97.4 0.0 195.6

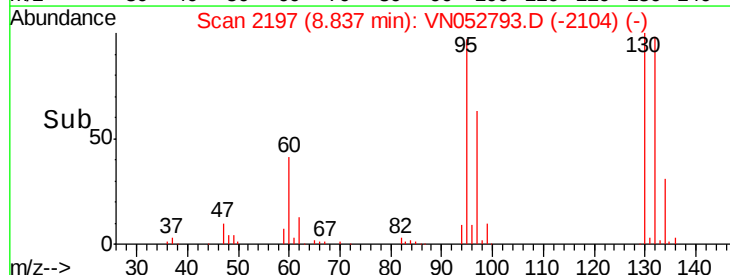


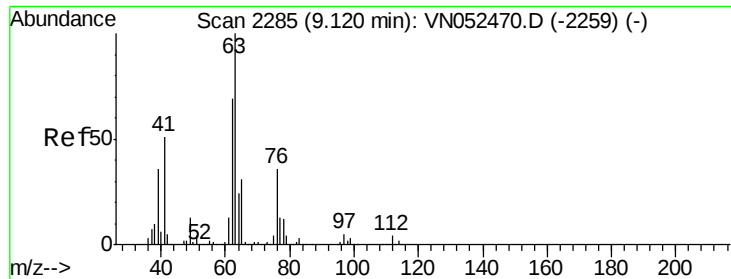
Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 19.572 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

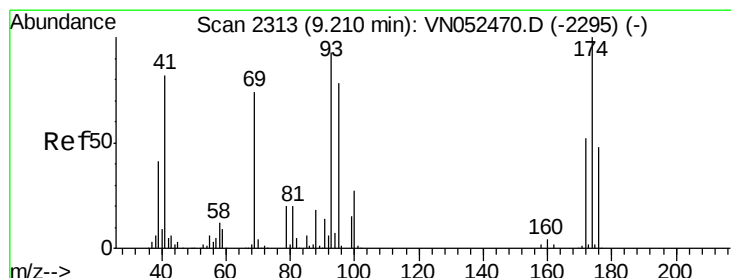
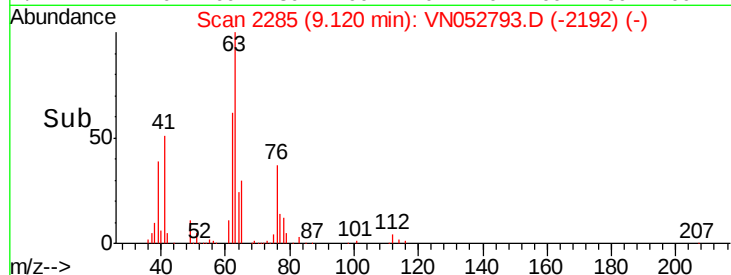
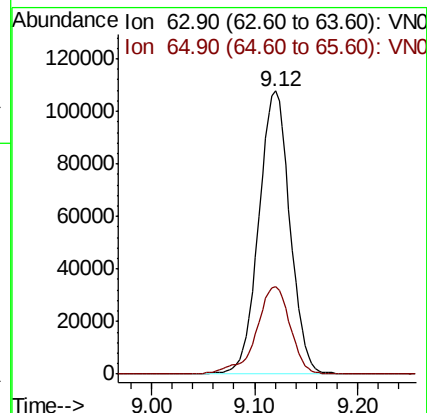
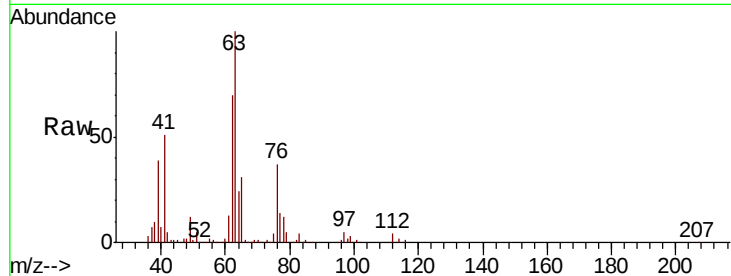
VN1211WBS01

Tot Ion: 63 Resp: 225927

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



#46

Dibromomethane

Concen: 20.612 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

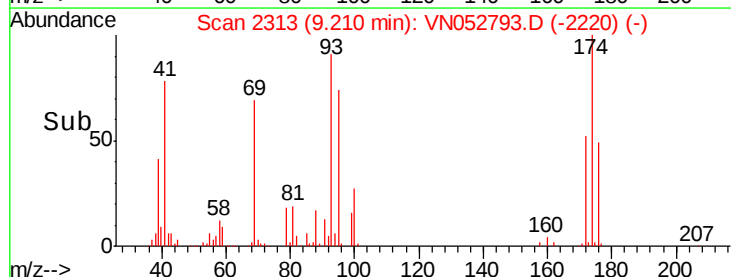
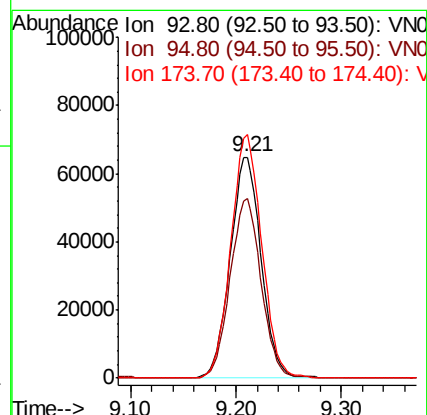
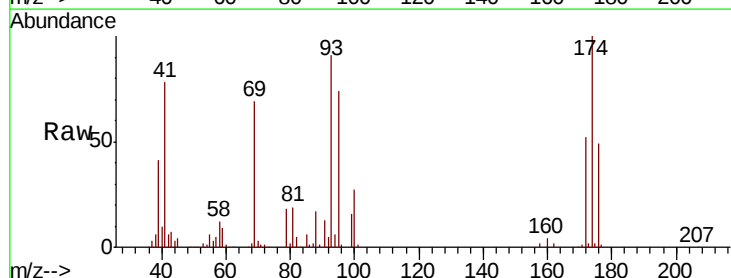
Tgt Ion: 93 Resp: 131716

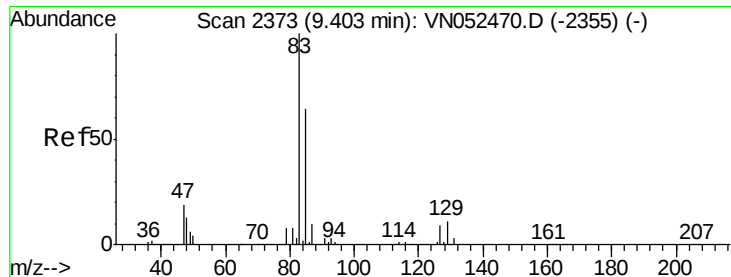
Ion Ratio Lower Upper

93 100

95 81.3 67.1 100.7

174 110.1 85.8 128.8





#47

Bromodichloromethane

Concen: 20.390 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

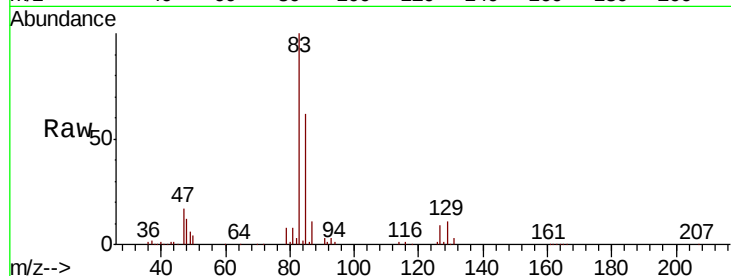
Tot Ion: 83 Resp: 283289

Ion Ratio Lower Upper

83 100

85 61.8 51.3 76.9

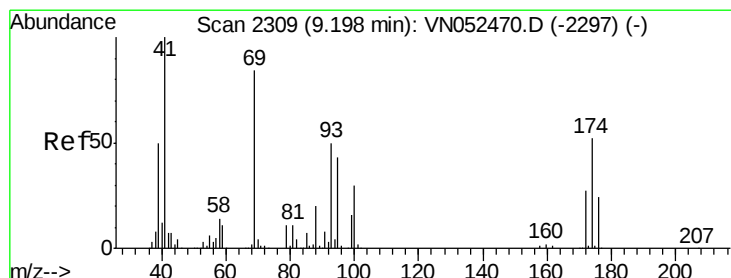
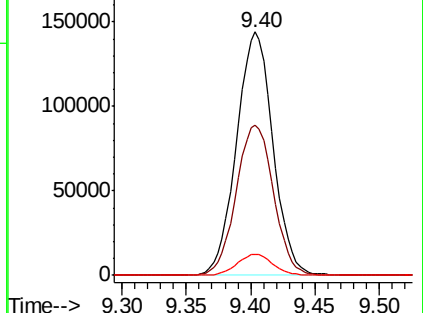
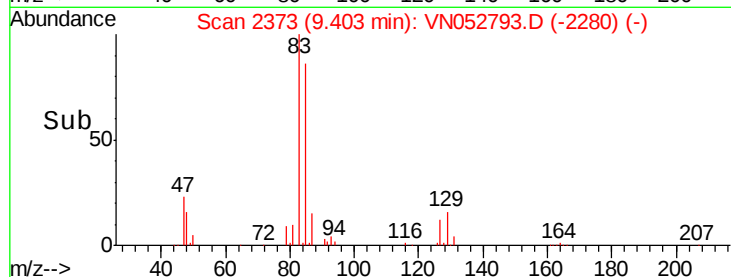
127 8.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052793.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052793.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052793.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.733 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

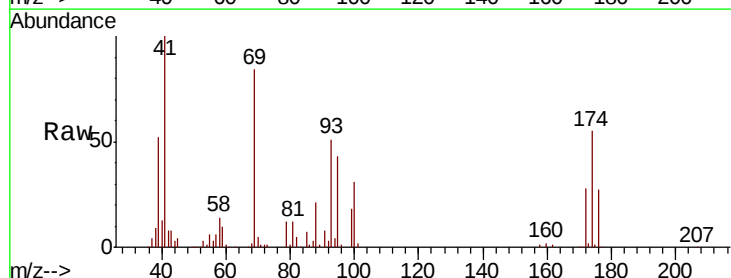
Tgt Ion: 41 Resp: 154821

Ion Ratio Lower Upper

41 100

69 89.3 70.0 105.0

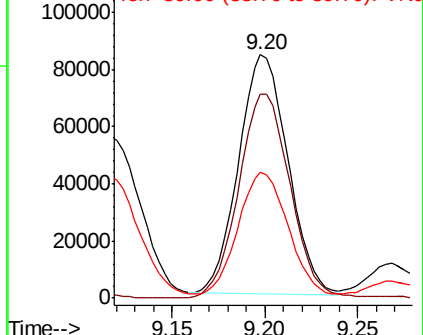
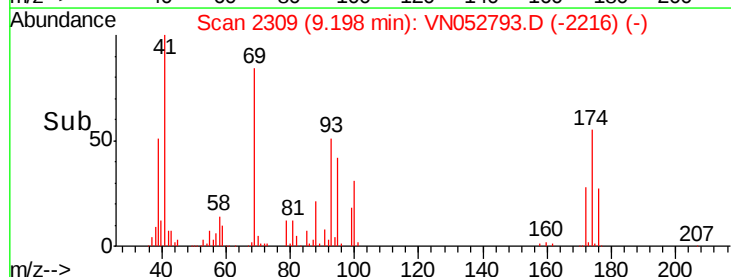
39 54.3 42.6 64.0

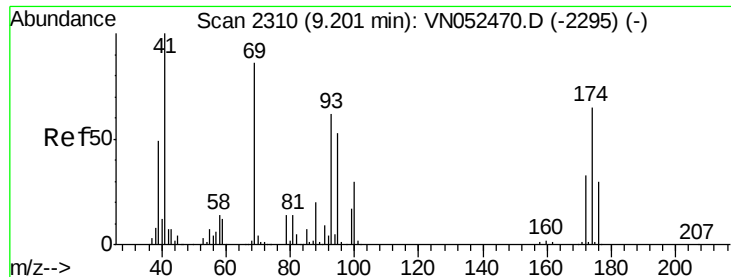


Abundance Ion 41.00 (40.70 to 41.70): VN052793.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052793.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052793.D (-2216) (-)

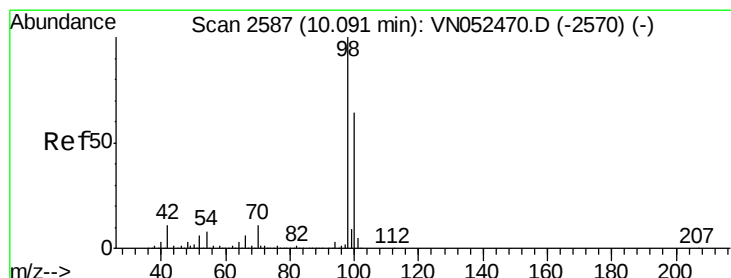
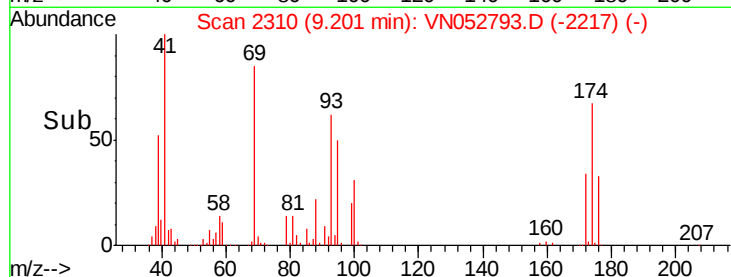
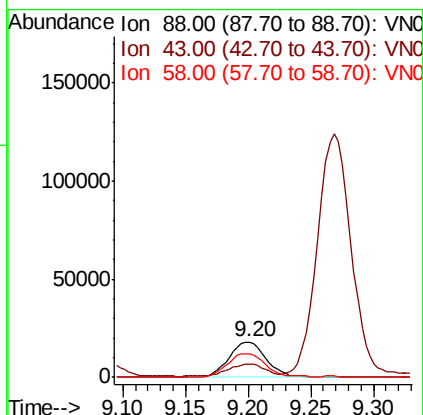
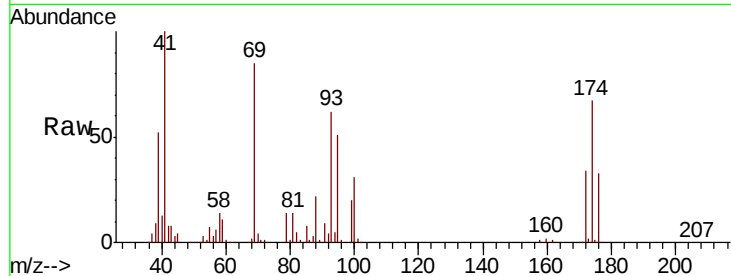




#49
1,4-Dioxane
Concen: 460.463 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

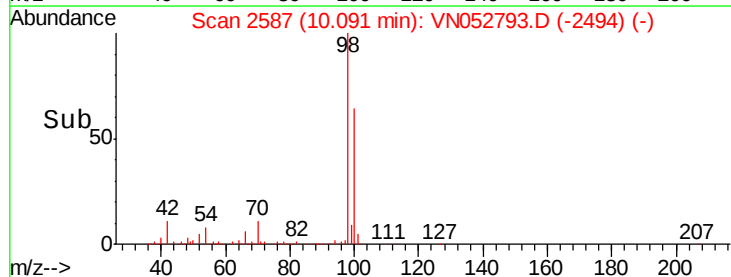
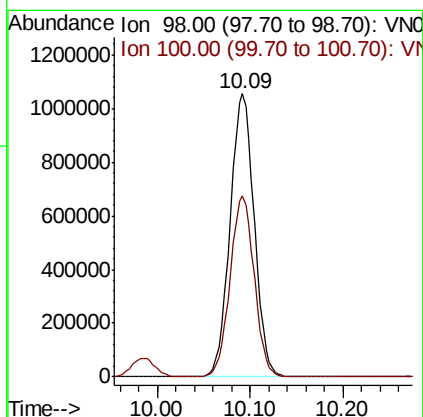
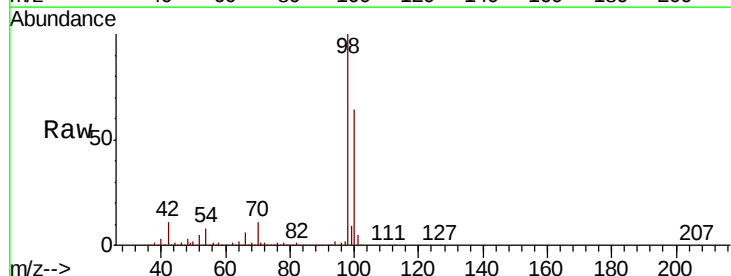
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

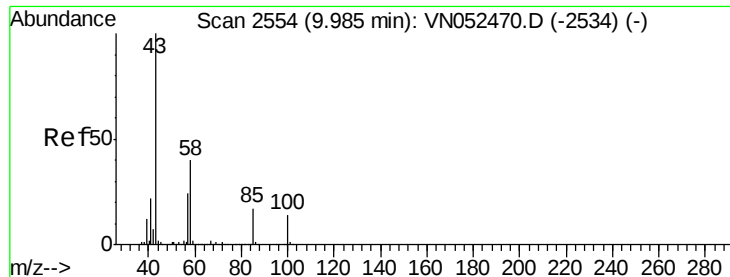
Tot Ion: 88 Resp: 37494
Ion Ratio Lower Upper
88 100
43 35.3 26.4 39.6
58 69.1 55.4 83.0



#50
Toluene-d8
Concen: 460.463 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 98 Resp: 1897880
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 102.689 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

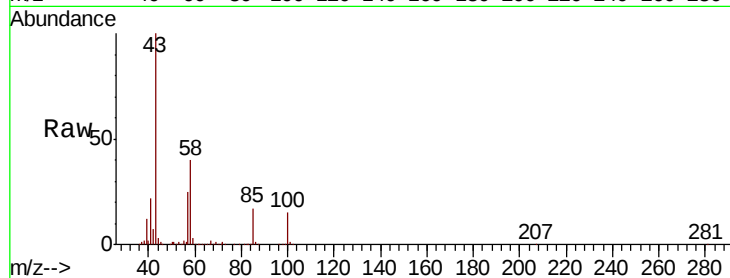
VN1211WBS01

Tot Ion: 43 Resp: 866934

Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.98

500000

400000

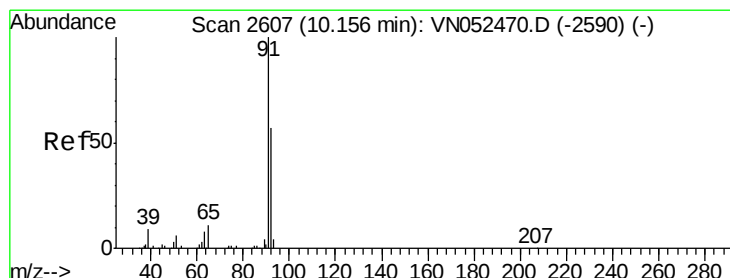
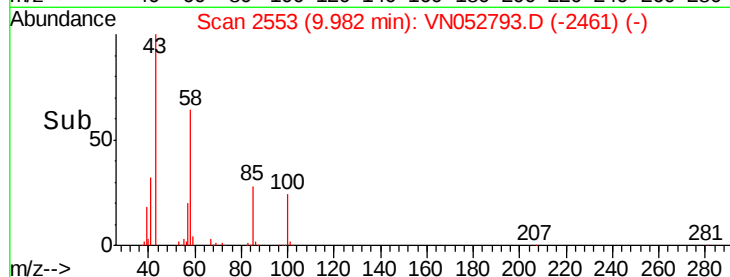
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052793.D

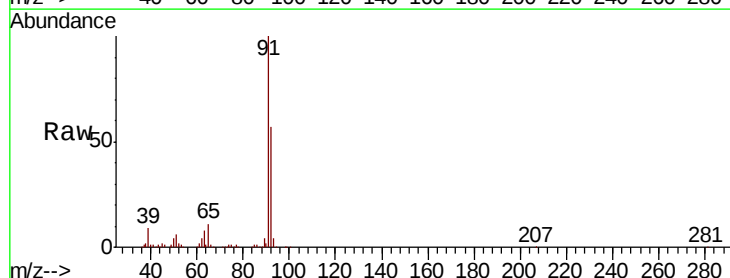
Acq: 11 Dec 2018 10:50

Tgt Ion: 92 Resp: 521116

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

10.16

600000

500000

400000

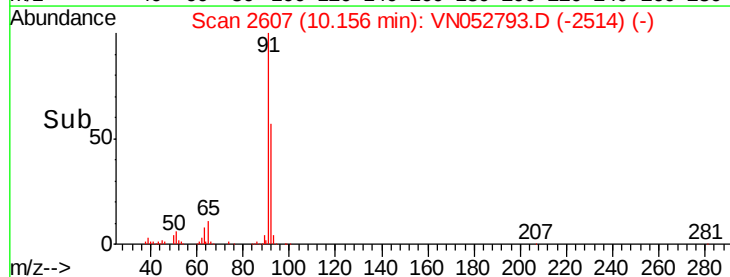
300000

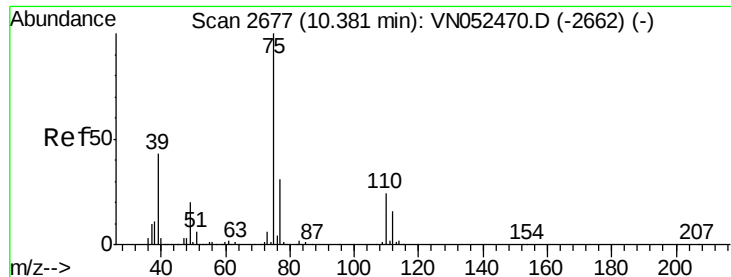
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.608 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

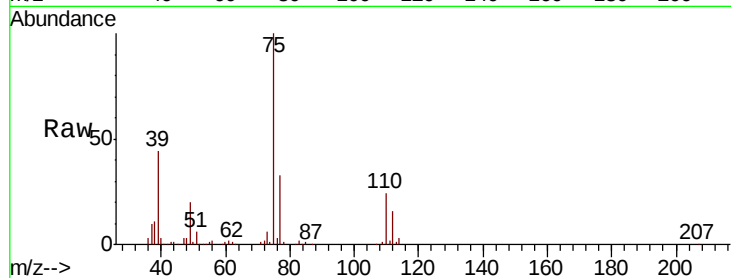
VN1211WBS01

Tot Ion: 75 Resp: 275437

Ion Ratio Lower Upper

75 100

77 32.7 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

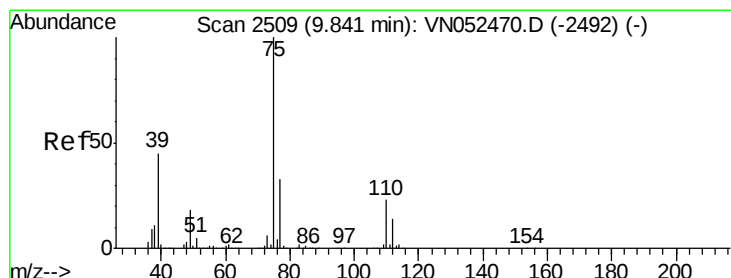
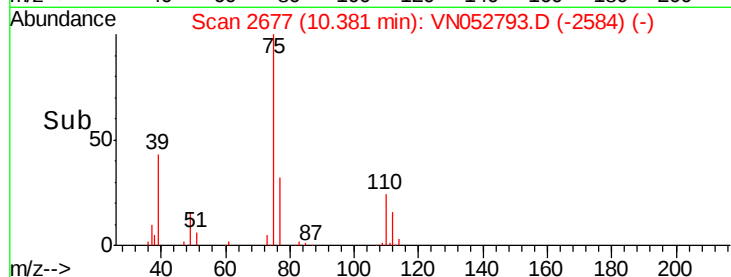
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.425 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

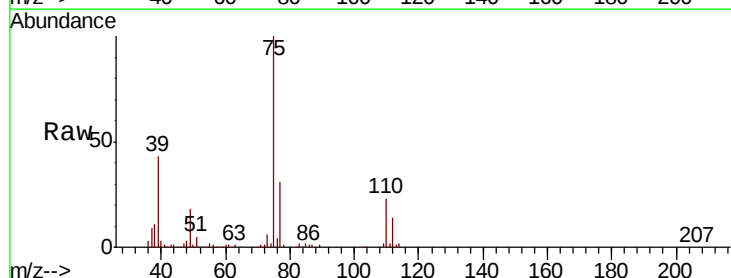
Tgt Ion: 75 Resp: 327143

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 43.4 36.0 54.0



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

200000

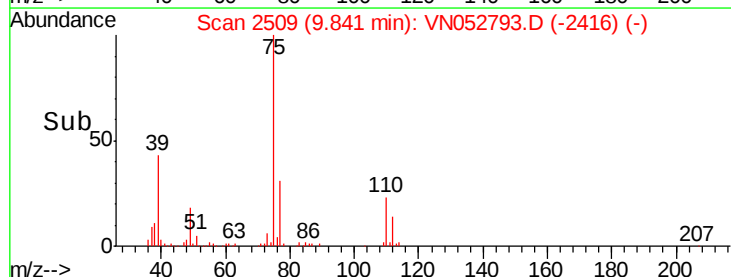
150000

100000

50000

0

Time-->



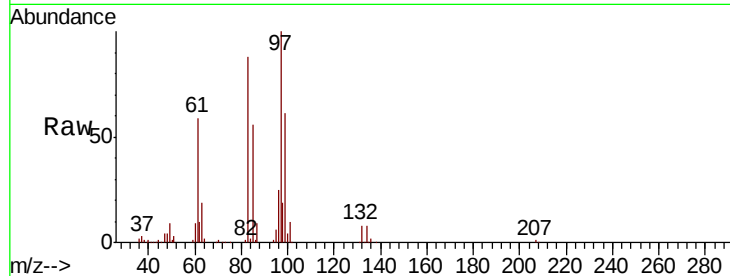


#55
 1,1,2-Trichloroethane
 Concen: 21.234 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion: 97 Resp: 192682

Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	56.2	46.1	69.1
99	61.3	50.8	76.2



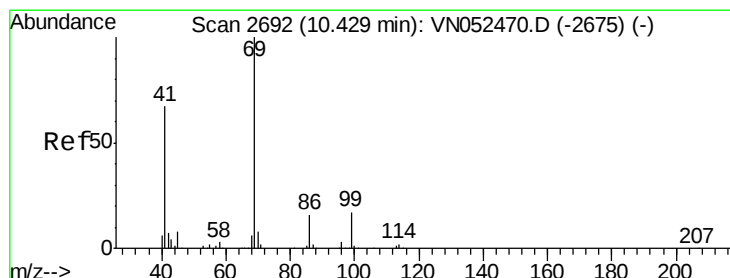
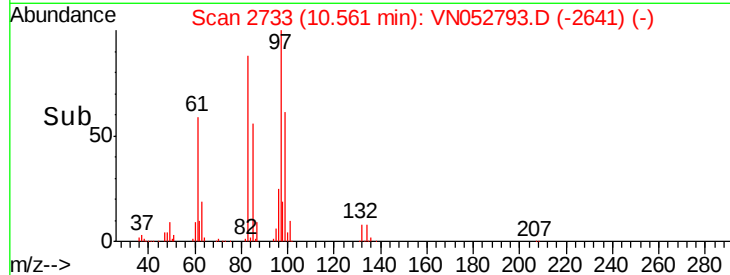
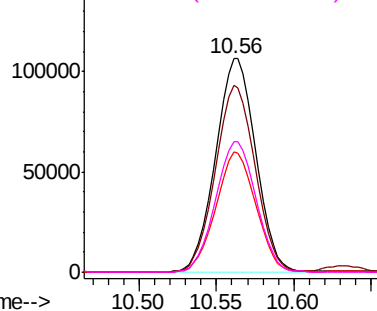
Abundance

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

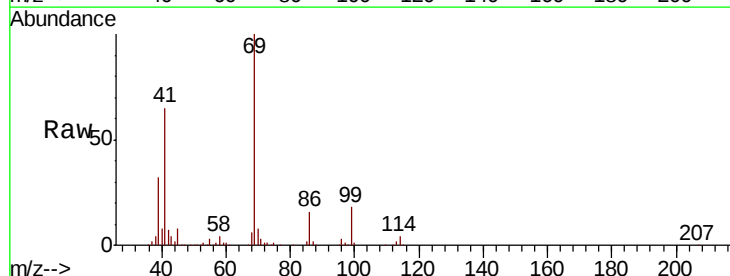
Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.761 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 69 Resp: 240624

Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.6	79.0
39	32.0	25.9	38.9

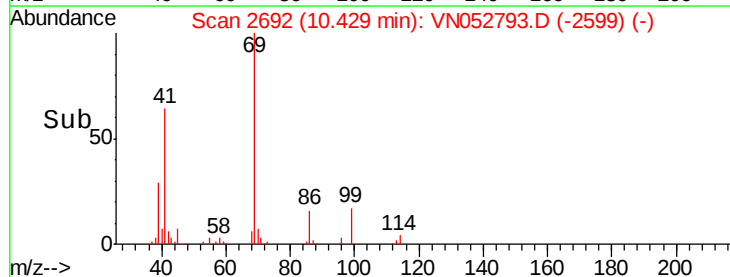
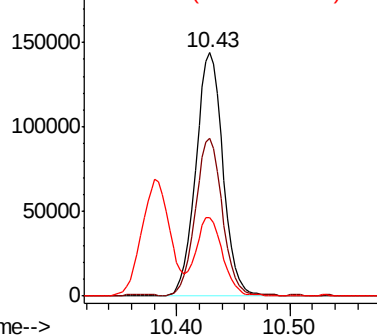


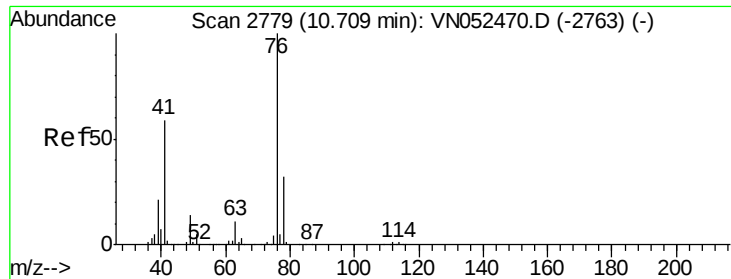
Abundance

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

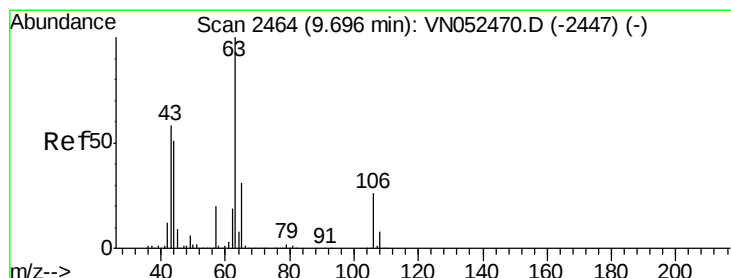
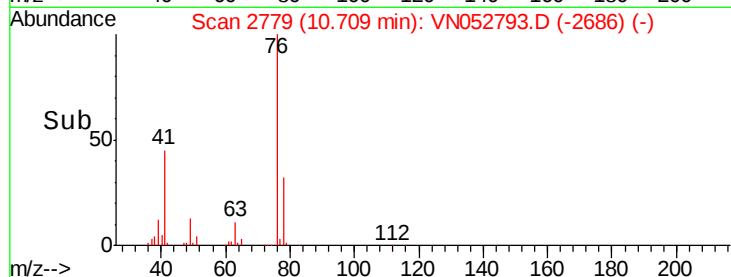
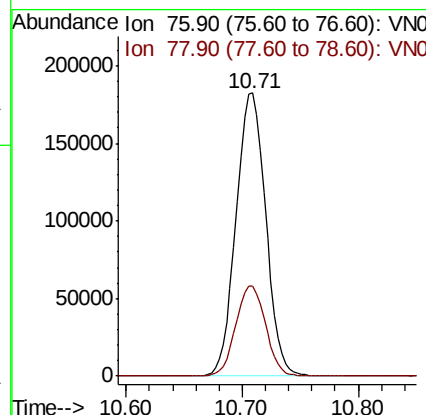
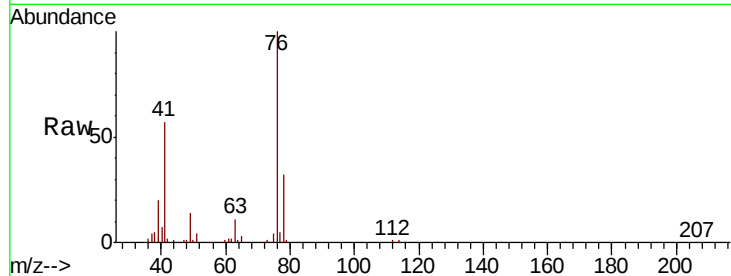




#57
 1,3-Dichloropropane
 Concen: 20.246 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

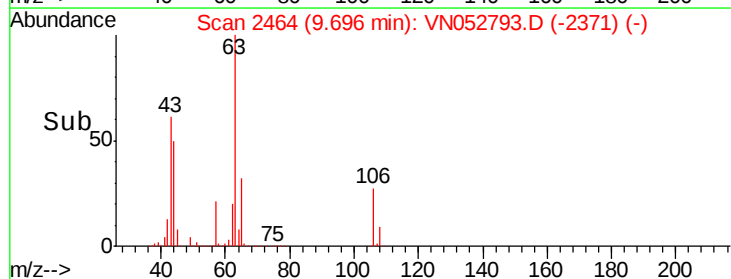
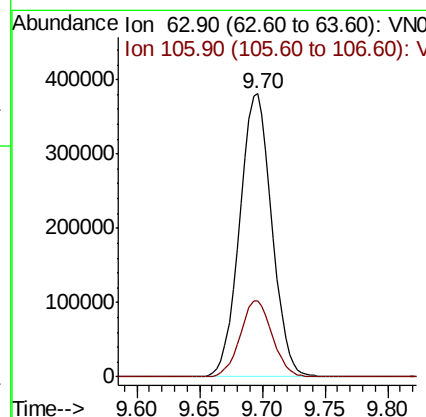
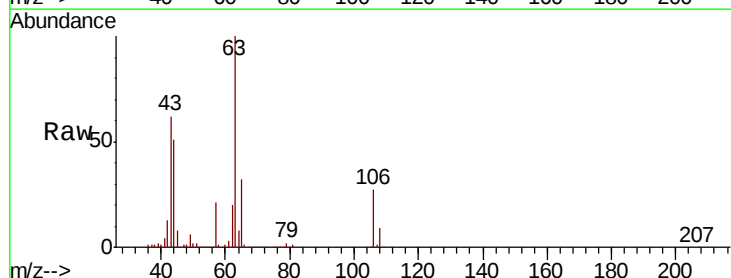
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

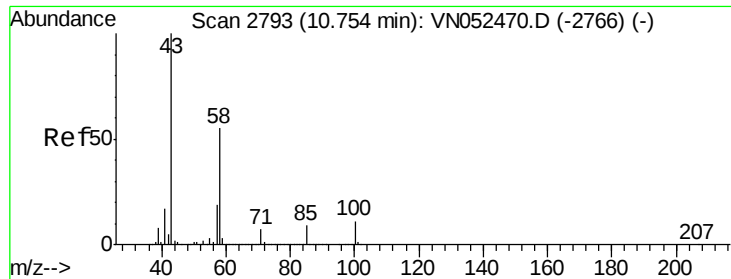
Tot Ion: 76 Resp: 324395
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.223 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 63 Resp: 679660
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.6 30.8

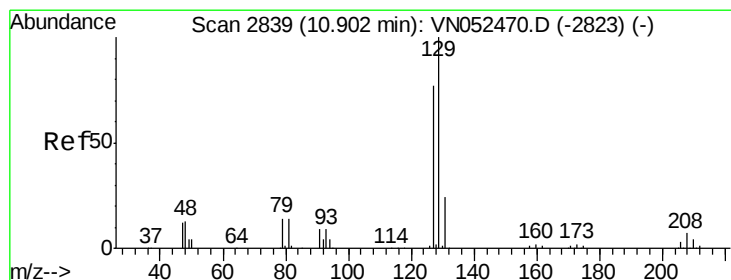
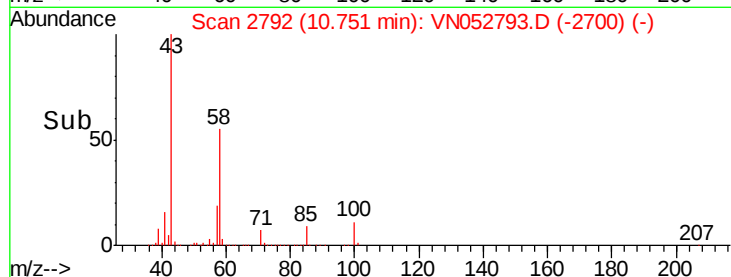
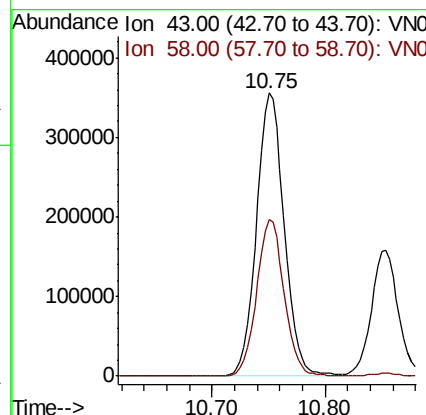
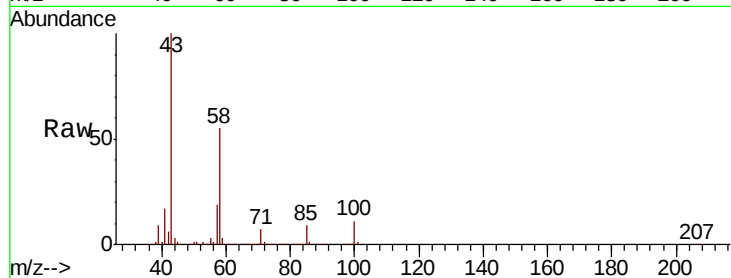




#59
2-Hexanone
Concen: 106.568 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

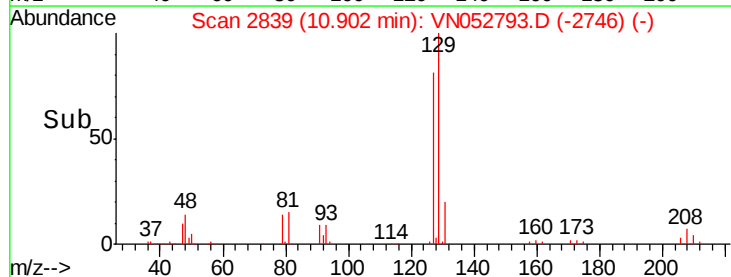
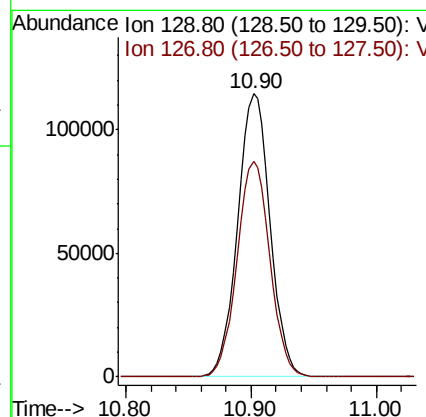
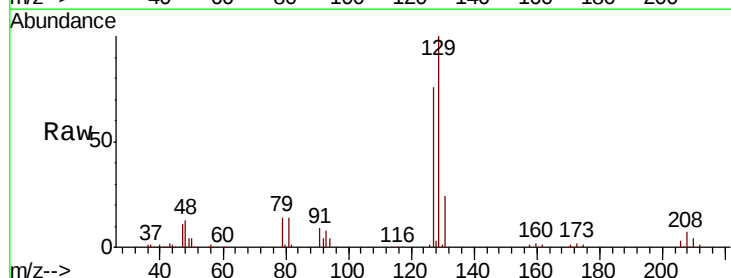
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

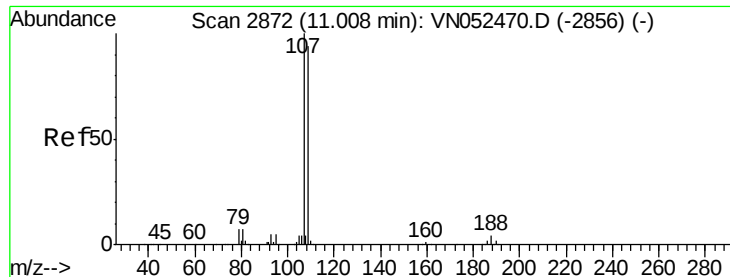
Tot Ion: 43 Resp: 603826
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.0



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 129 Resp: 205896
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6

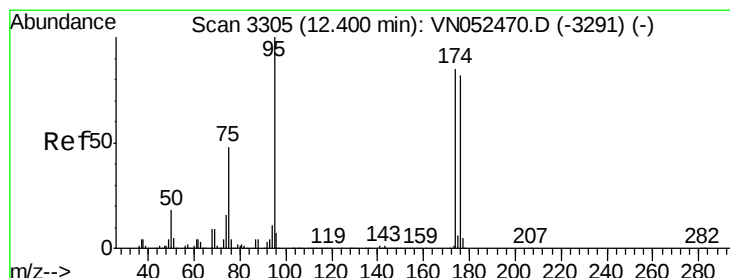
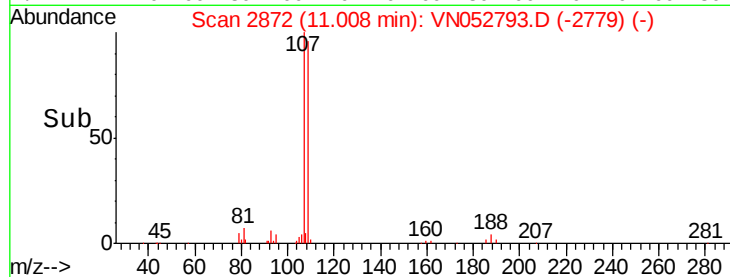
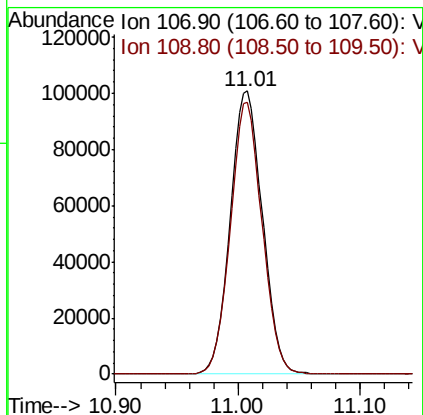
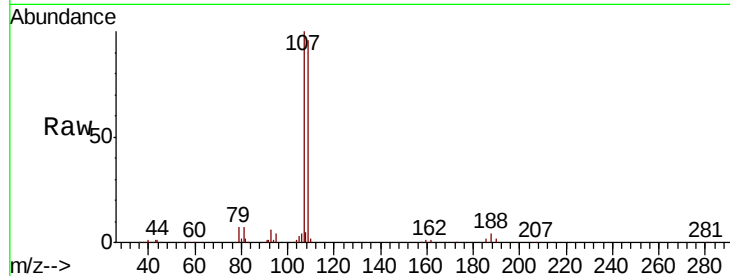




#61
 1,2-Dibromoethane
 Concen: 20.483 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

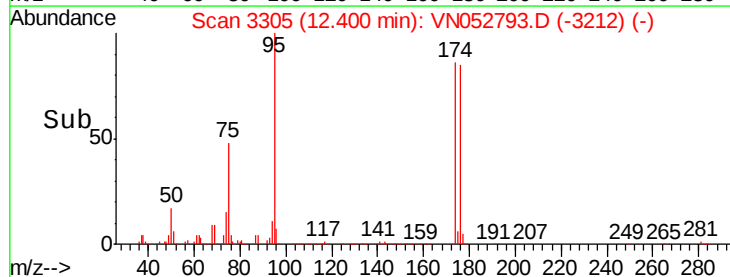
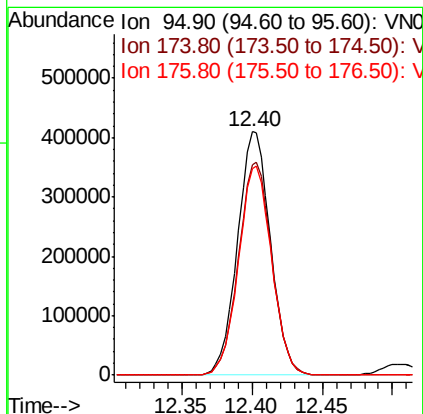
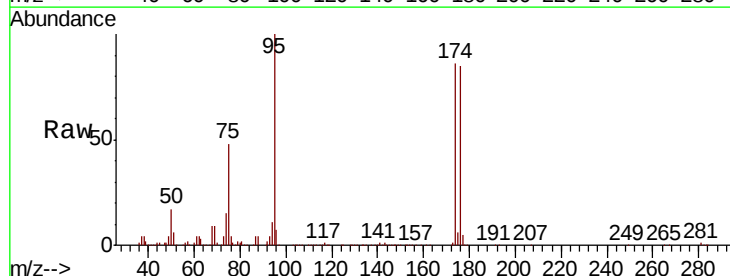
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

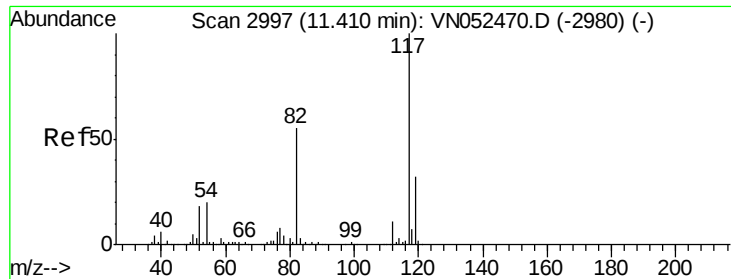
Tot Ion: 107 Resp: 184607
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.483 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion: 95 Resp: 669888
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 173.0
 176 86.5 0.0 166.2

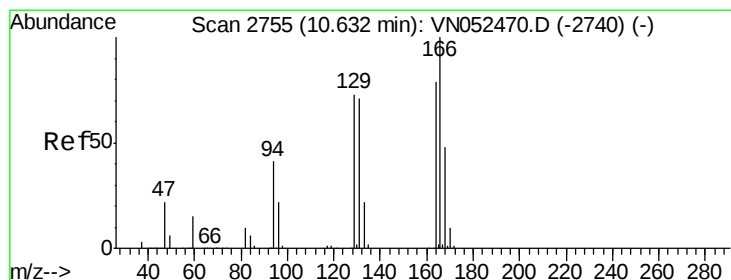
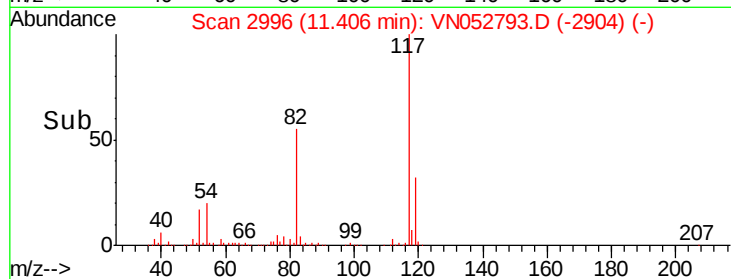
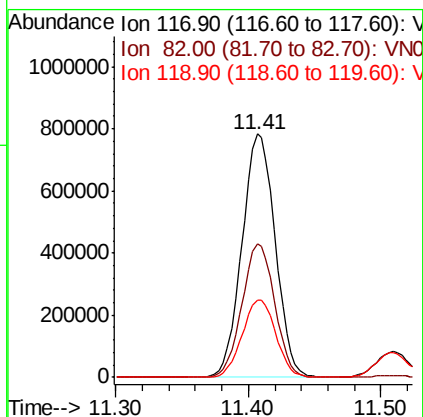
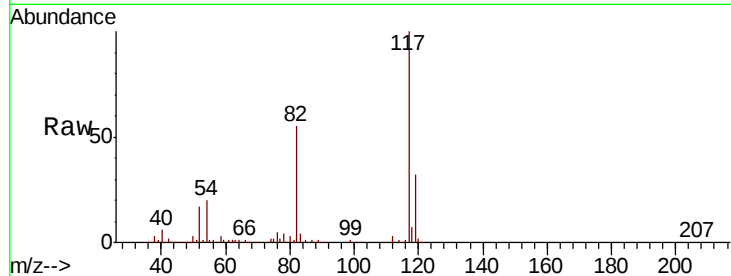




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

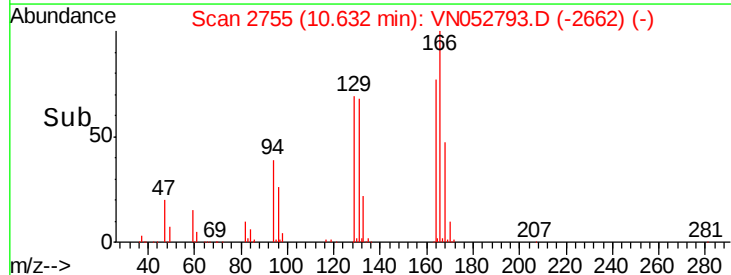
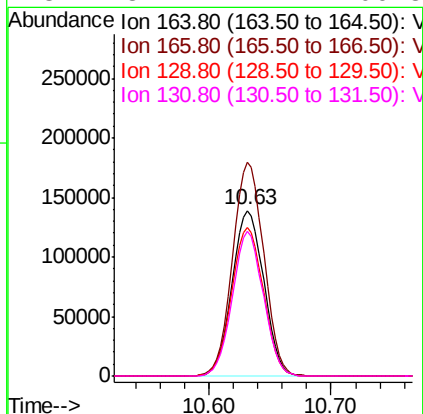
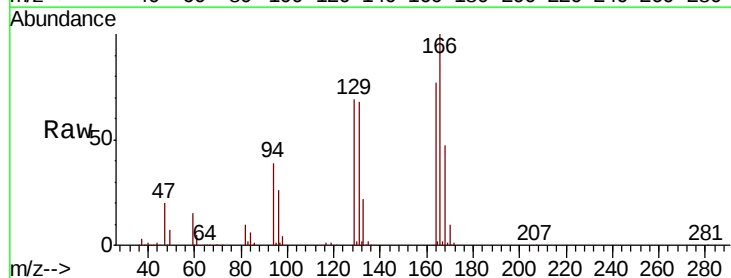
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

Tot Ion:117 Resp: 1364307
Ion Ratio Lower Upper
117 100
82 54.8 43.6 65.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 23.759 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion:164 Resp: 251317
Ion Ratio Lower Upper
164 100
166 129.3 101.0 151.4
129 89.8 73.8 110.6
131 87.7 71.2 106.8





#65

Chlorobenzene

Concen: 20.680 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

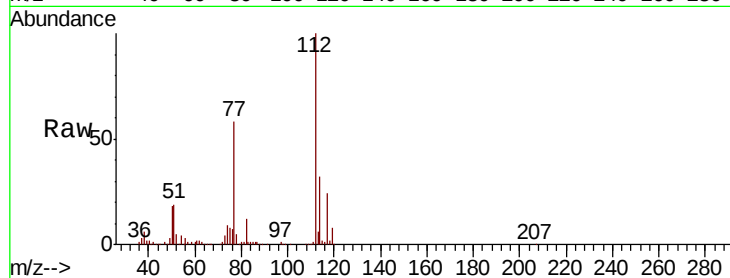
VN1211WBS01

Tot Ion:112 Resp: 581765

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

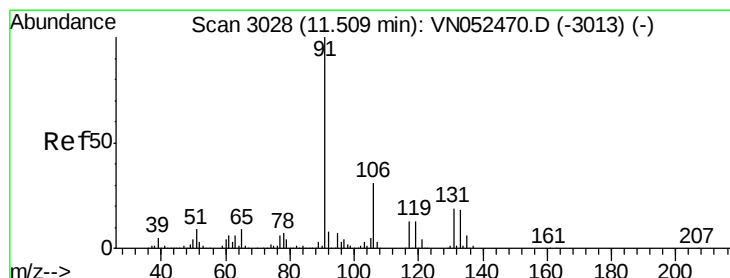
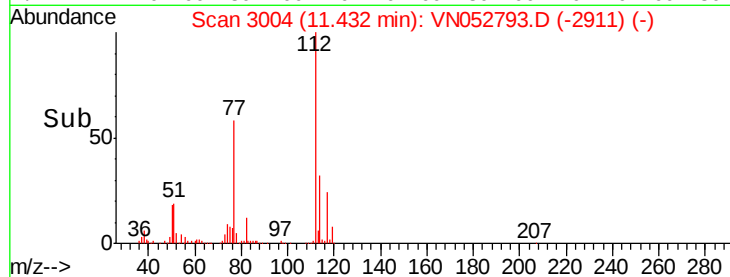
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.362 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

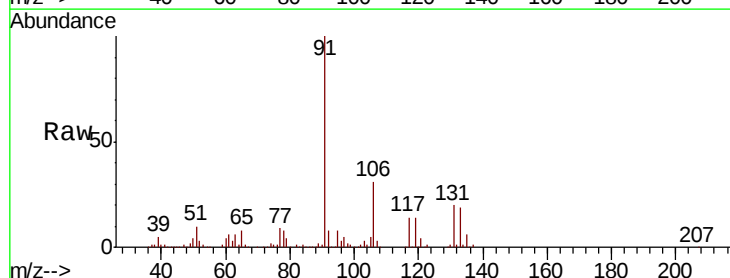
Tgt Ion:131 Resp: 208956

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.8

119 66.0 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

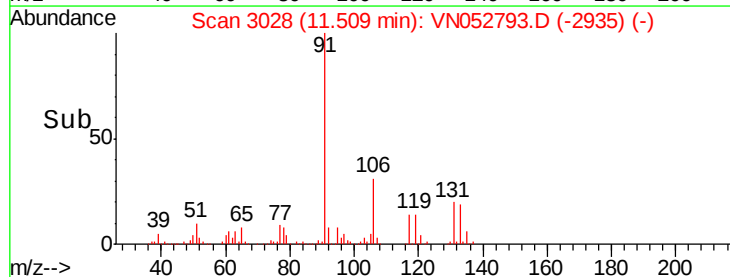
300000

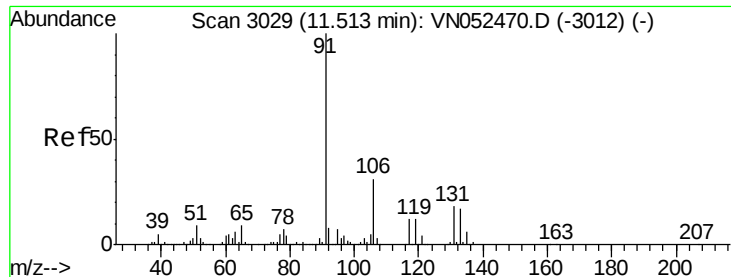
200000

100000

0

Time-->

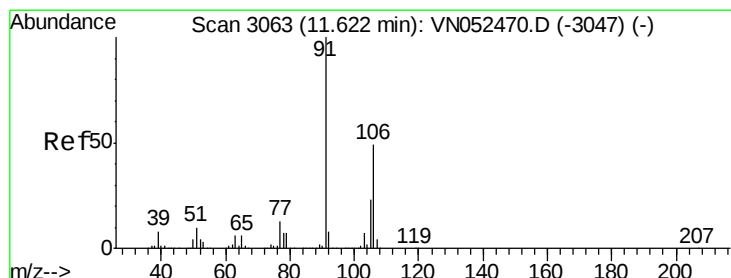
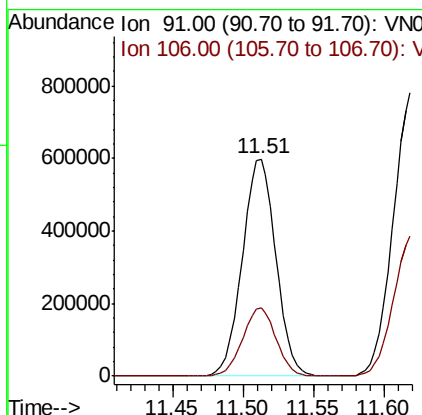
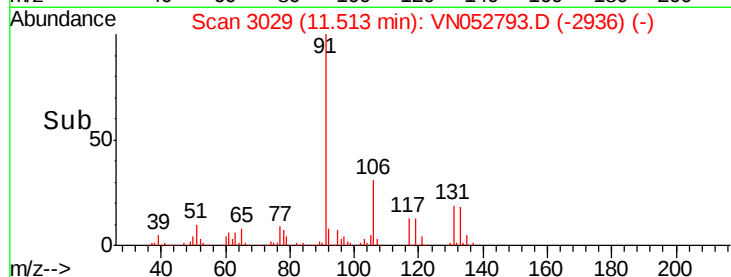
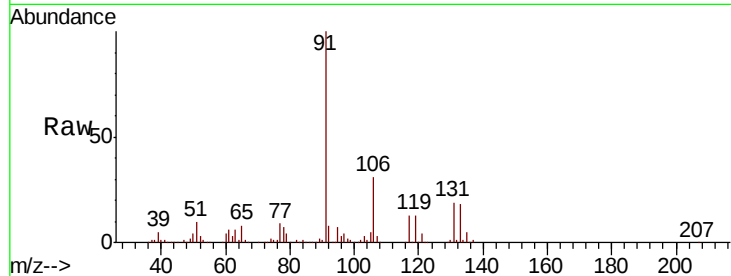




#67
Ethyl Benzene
Concen: 20.273 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

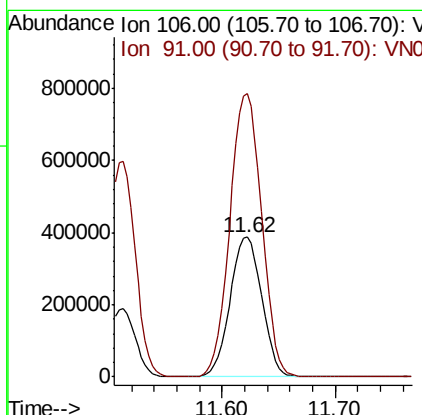
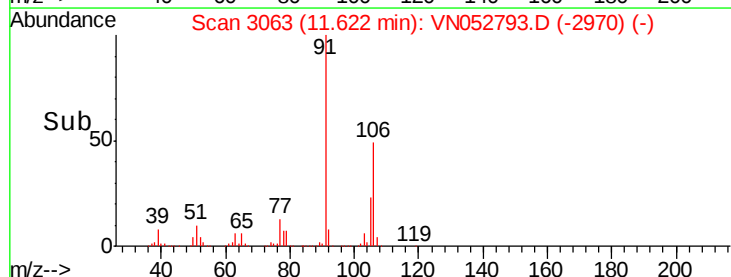
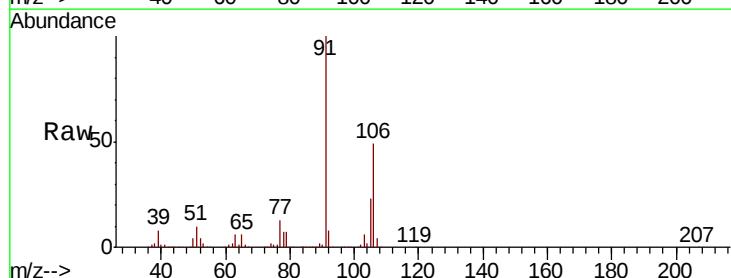
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

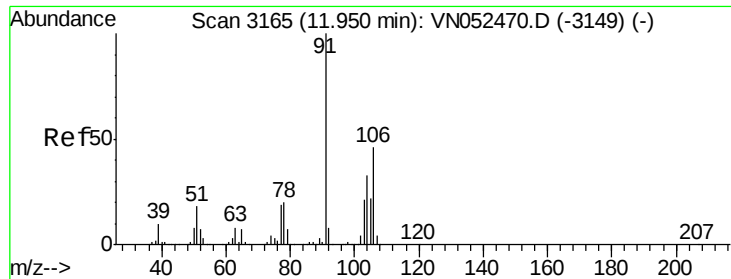
Tot Ion: 91 Resp: 998704
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 41.138 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion: 106 Resp: 754460
Ion Ratio Lower Upper
106 100
91 203.4 163.2 244.8

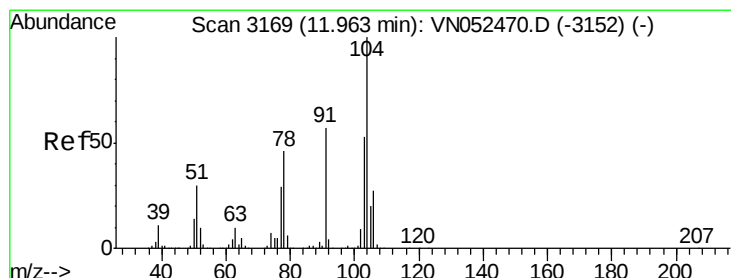
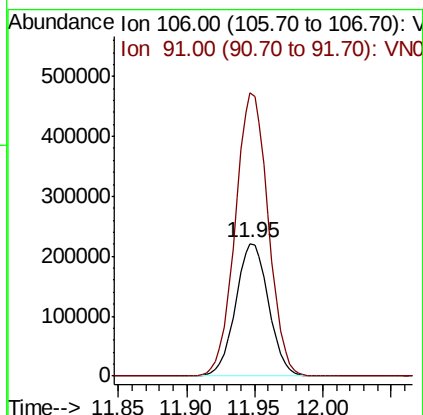
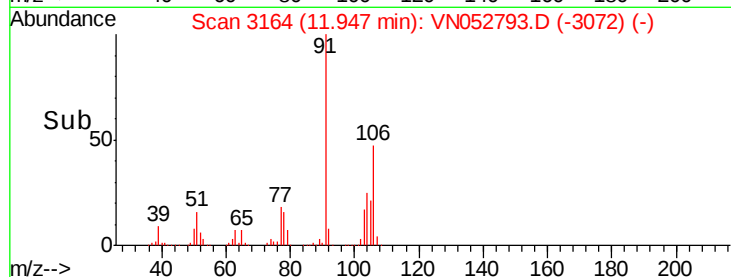
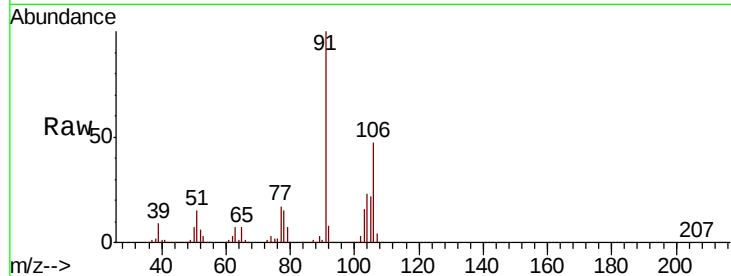




#69
o-Xylene
Concen: 20.782 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

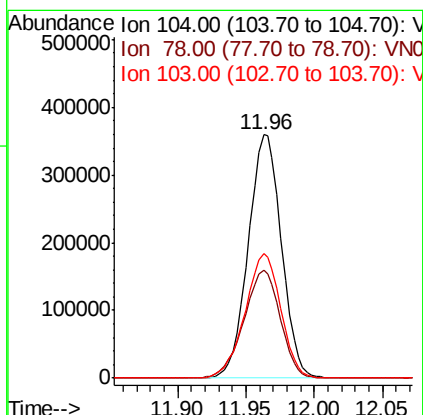
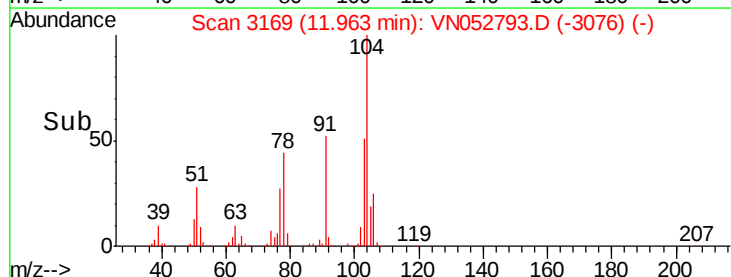
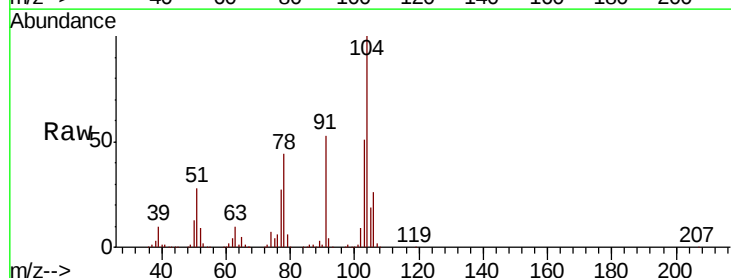
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

Tot Ion:106 Resp: 370110
Ion Ratio Lower Upper
106 100
91 214.0 107.7 323.1



#70
Styrene
Concen: 21.410 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion:104 Resp: 607307
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.2
103 55.1 44.9 67.3

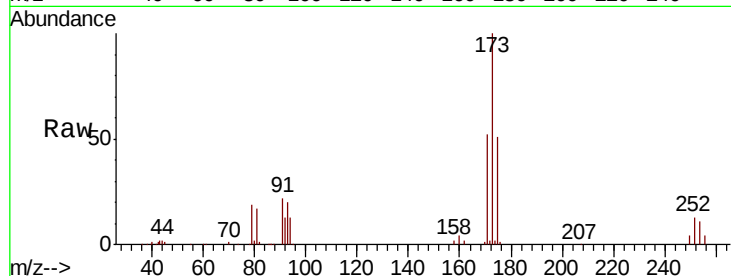




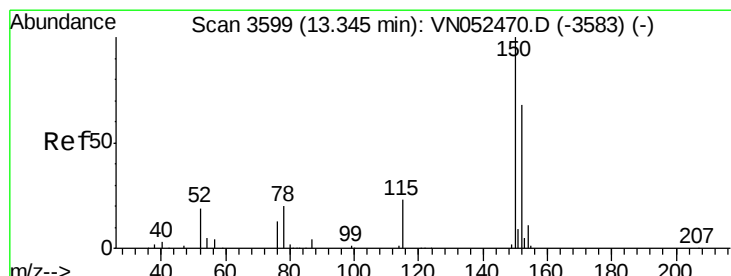
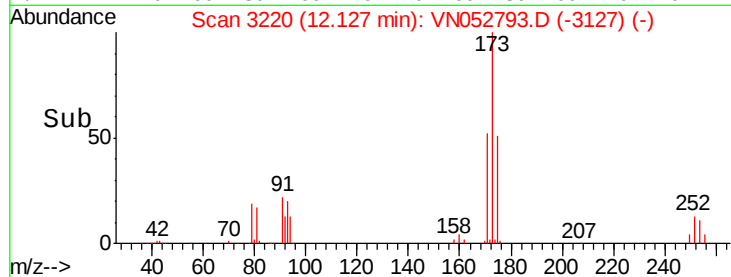
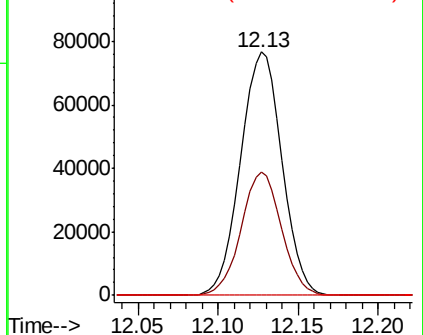
#71
Bromoform
Concen: 20.891 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion:173 Resp: 135303
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.2
254 0.0 0.1 0.1#

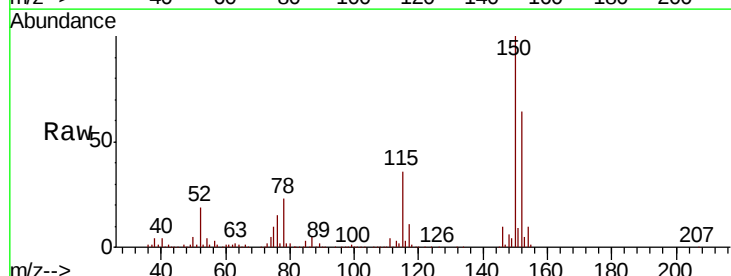


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

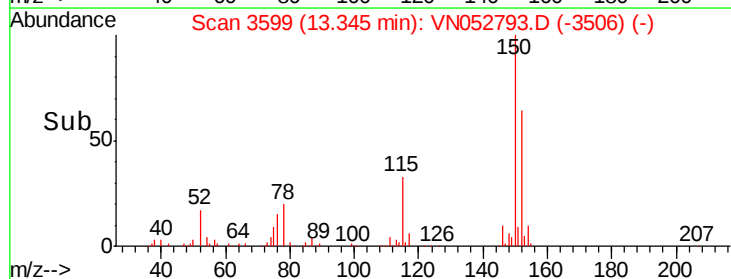
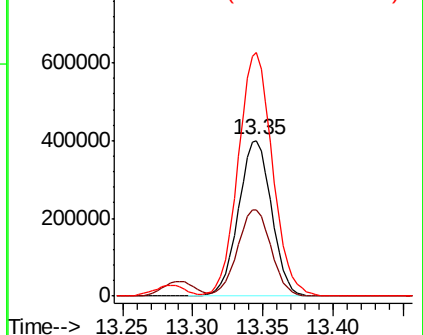


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052793.D
Acq: 11 Dec 2018 10:50

Tgt Ion:152 Resp: 657658
Ion Ratio Lower Upper
152 100
115 56.1 28.4 85.2
150 162.5 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.395 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

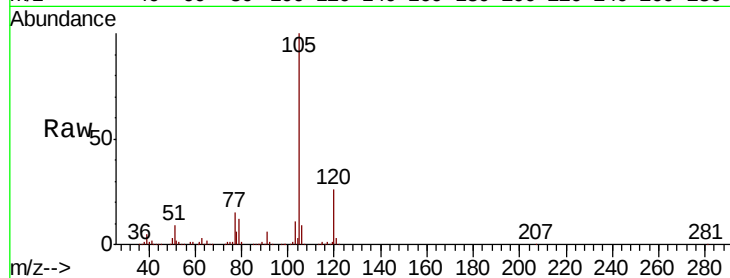
VN1211WBS01

Tot Ion:105 Resp: 1000723

Ion Ratio Lower Upper

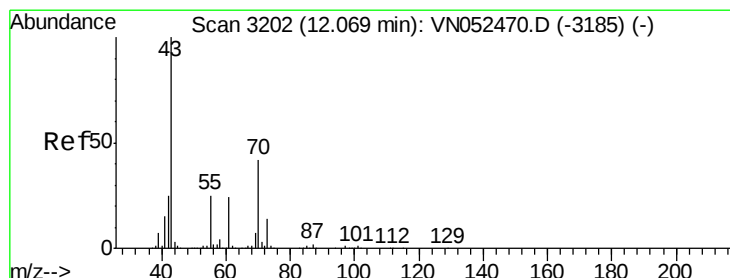
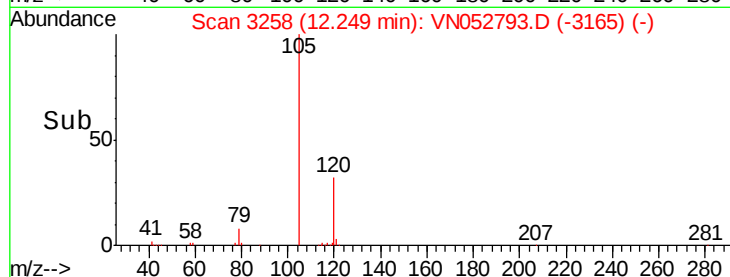
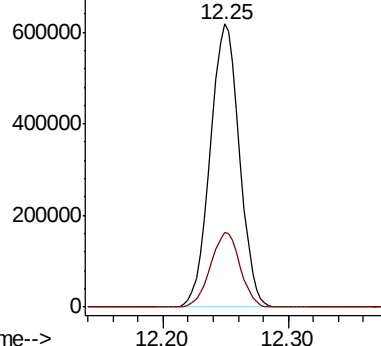
105 100

120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.366 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Tgt Ion: 43 Resp: 265484

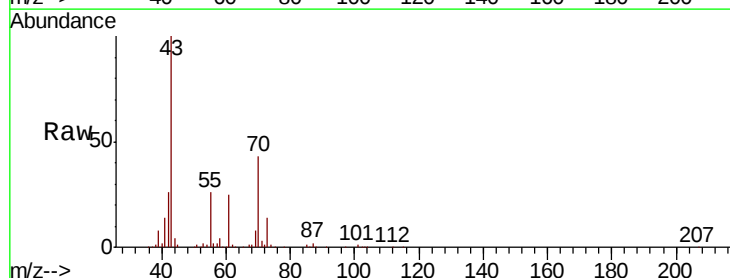
Ion Ratio Lower Upper

43 100

70 43.1 33.8 50.8

55 26.0 20.0 30.0

61 24.9 19.7 29.5

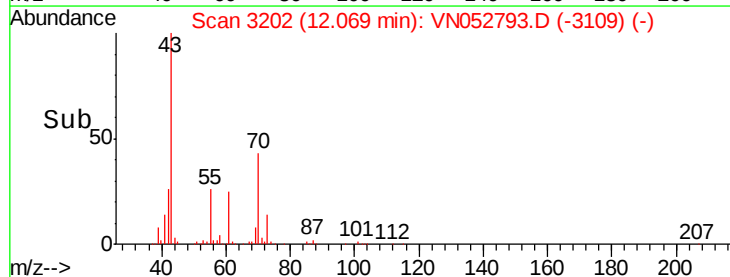
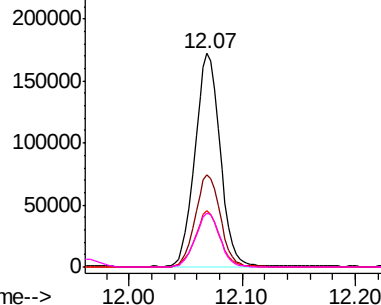


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.280 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

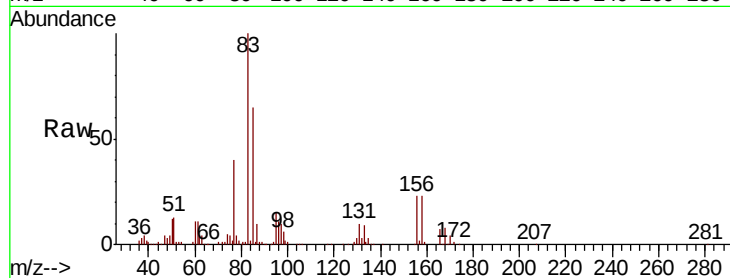
Tot Ion: 83 Resp: 214564

Ion Ratio Lower Upper

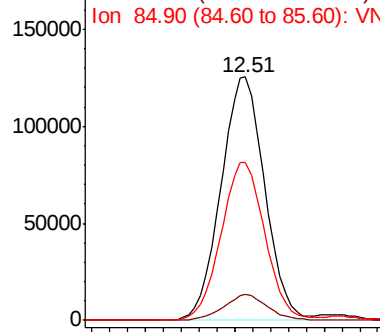
83 100

131 10.5 5.0 15.0

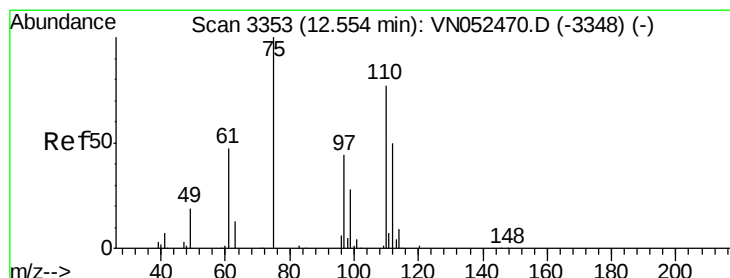
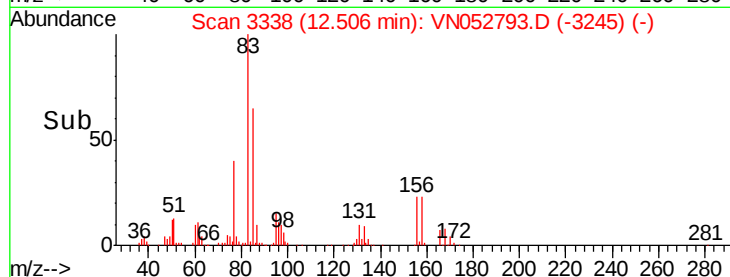
85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052793.D (-3245) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.483 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052793.D

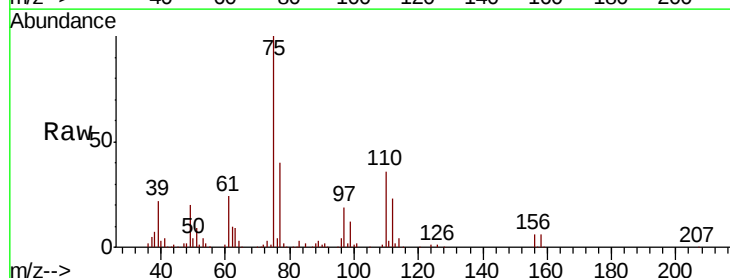
Acq: 11 Dec 2018 10:50

Tgt Ion: 75 Resp: 278719

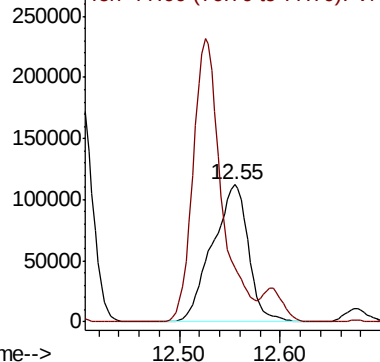
Ion Ratio Lower Upper

75 100

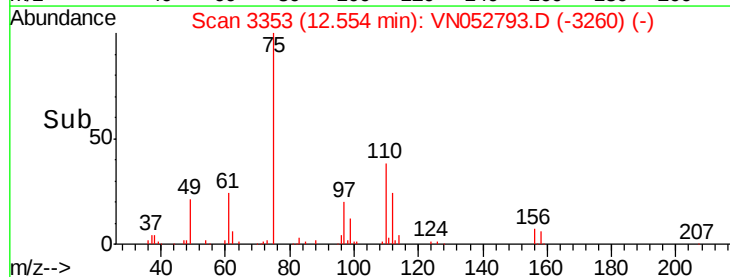
77 0.0 0.0 0.0

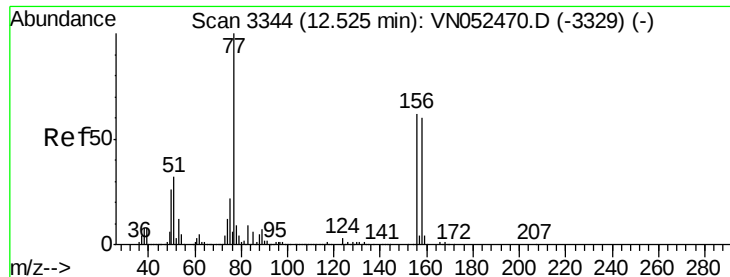


Abundance Ion 74.90 (74.60 to 75.60): VN052793.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 19.807 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

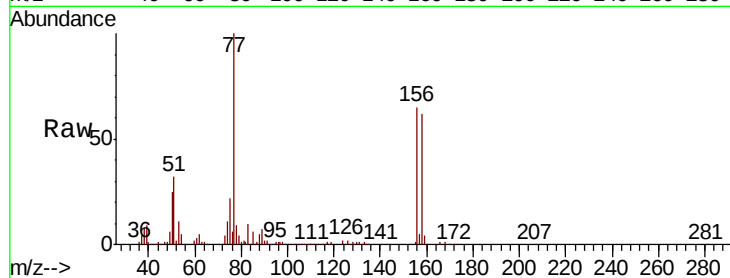
Tot Ion:156 Resp: 252609

Ion Ratio Lower Upper

156 100

77 181.5 93.5 280.4

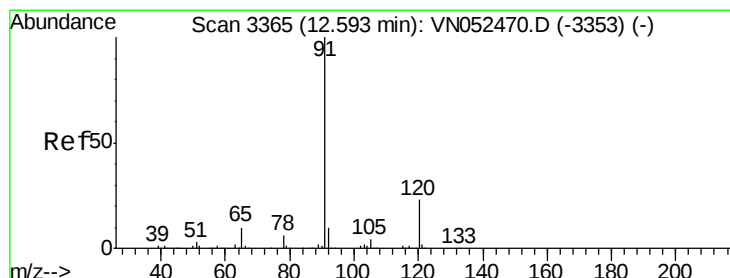
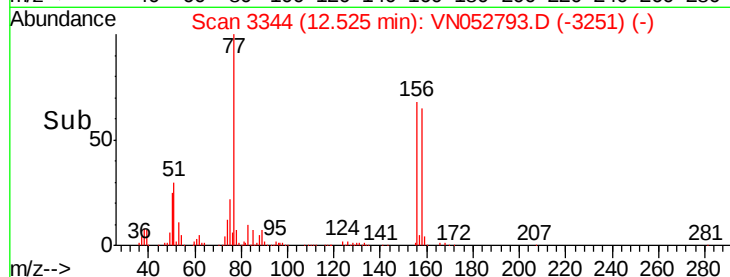
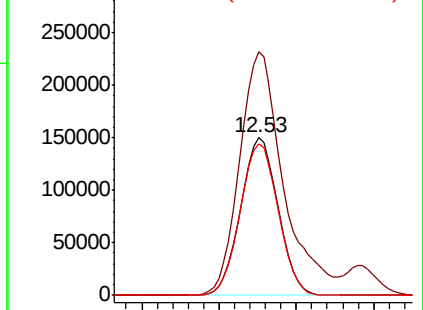
158 97.9 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.696 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052793.D

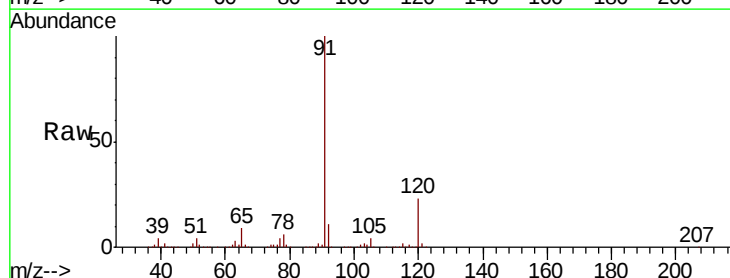
Acq: 11 Dec 2018 10:50

Tgt Ion: 91 Resp: 1154534

Ion Ratio Lower Upper

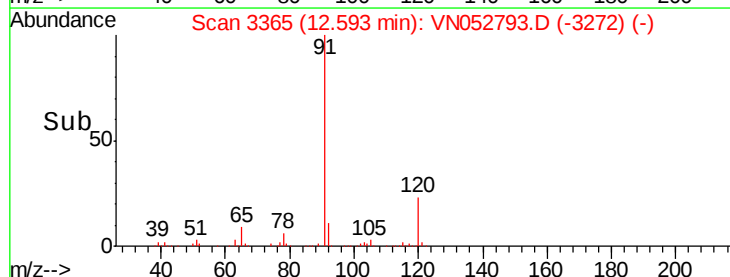
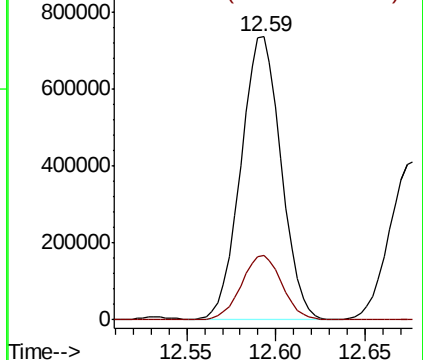
91 100

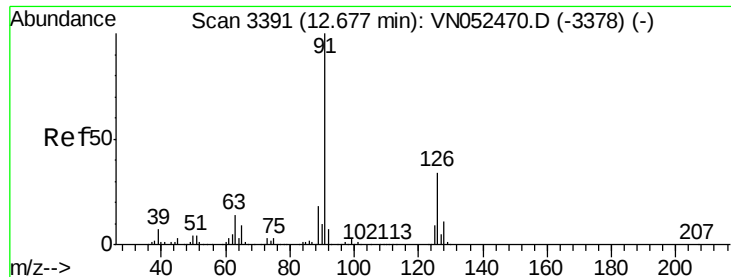
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.257 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

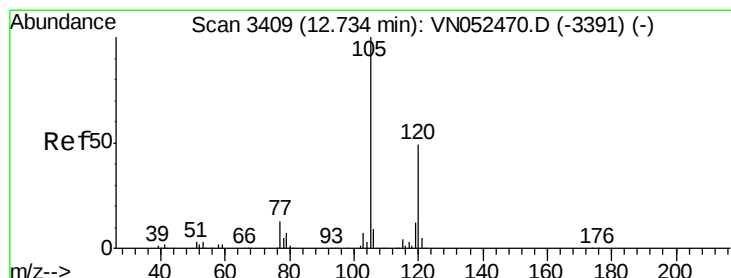
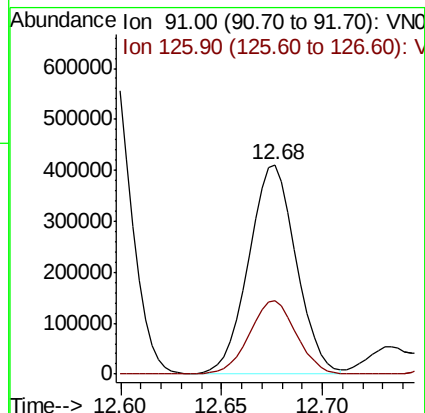
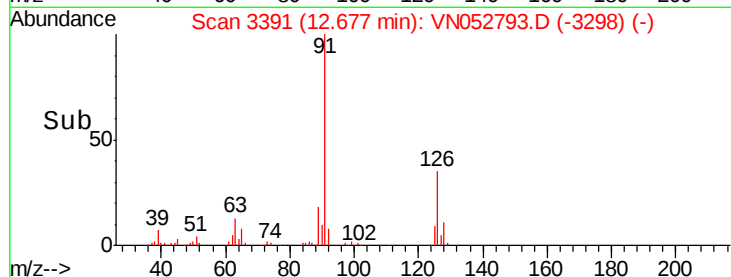
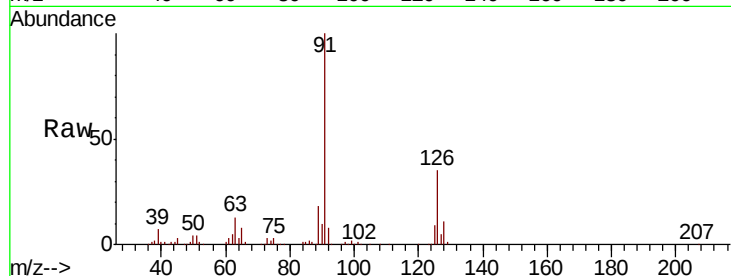
VN1211WBS01

Tot Ion: 91 Resp: 672205

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 19.938 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052793.D

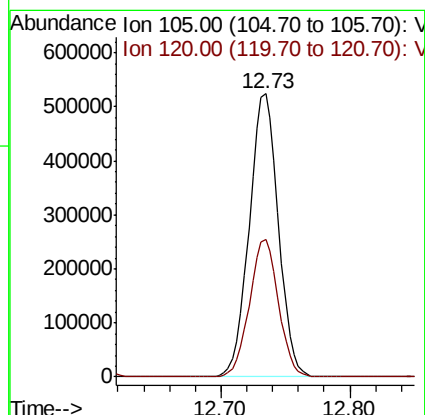
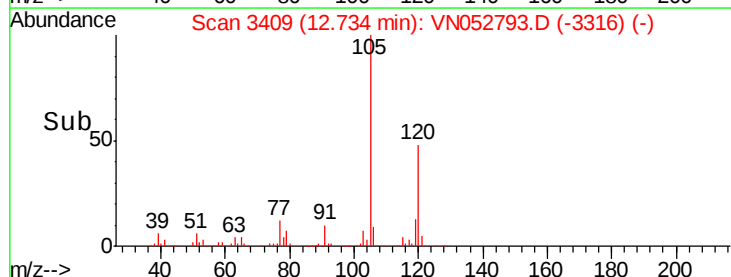
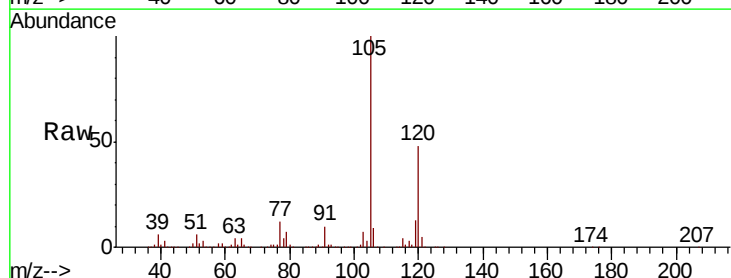
Acq: 11 Dec 2018 10:50

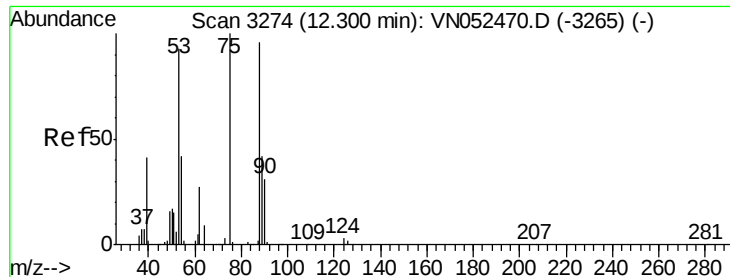
Tgt Ion: 105 Resp: 820472

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.129 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

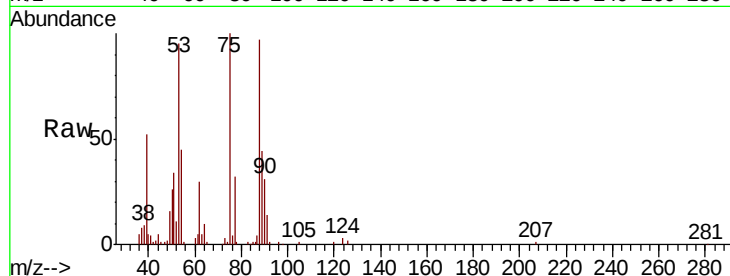
Tot Ion: 75 Resp: 58092

Ion Ratio Lower Upper

75 100

53 96.0 77.4 116.0

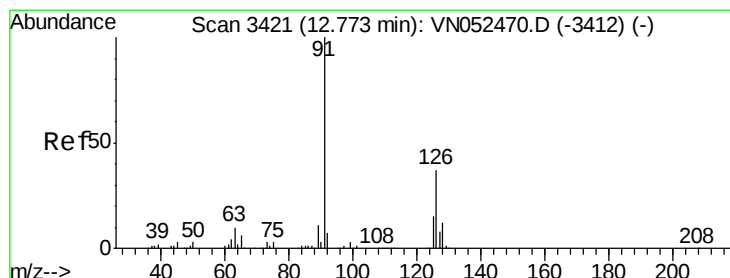
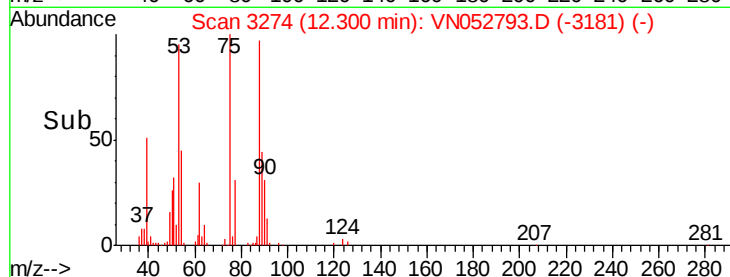
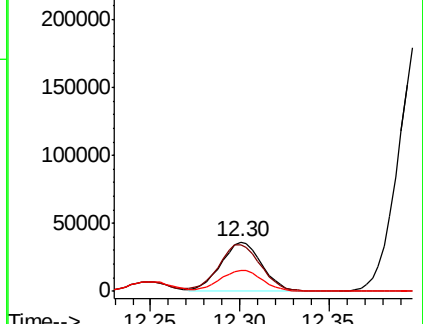
89 44.5 35.4 53.2



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: 19.474 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052793.D

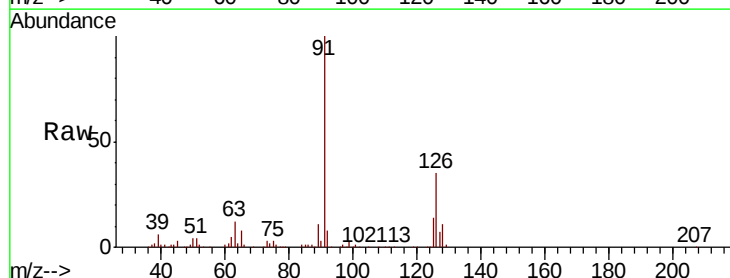
Acq: 11 Dec 2018 10:50

Tgt Ion: 91 Resp: 685106

Ion Ratio Lower Upper

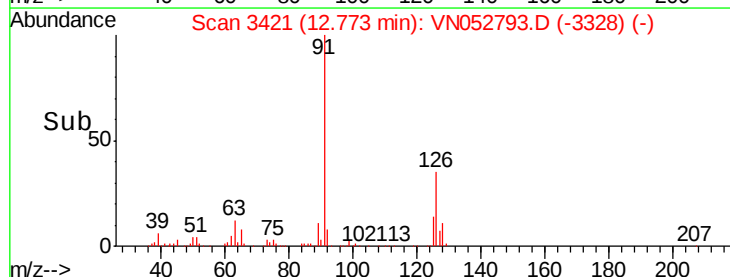
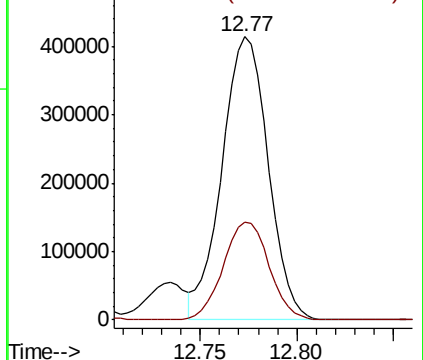
91 100

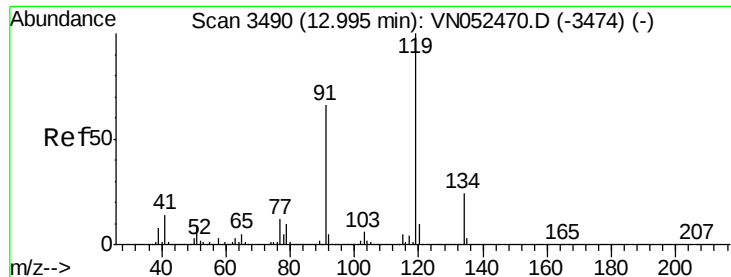
126 34.6 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

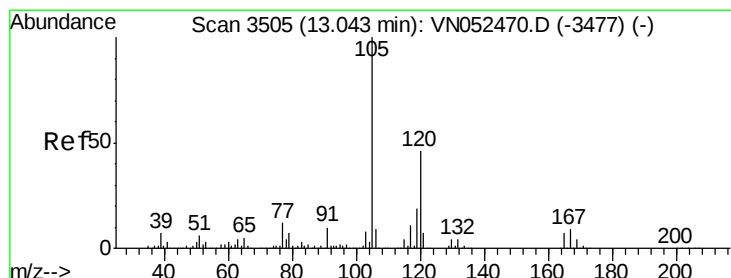
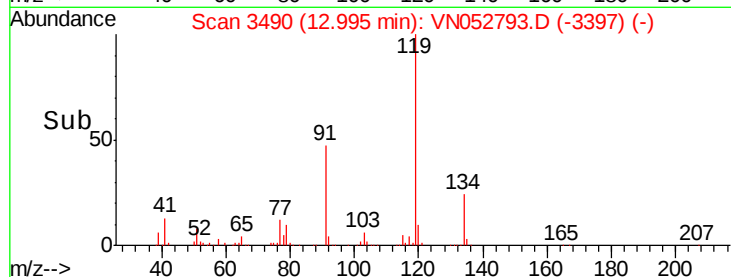
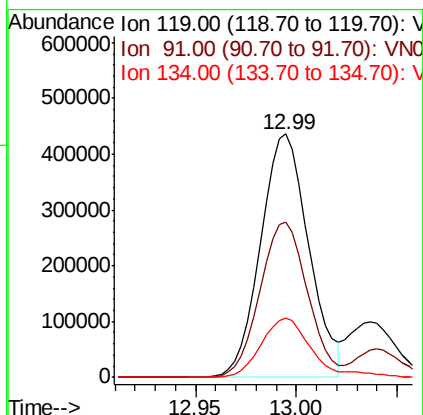
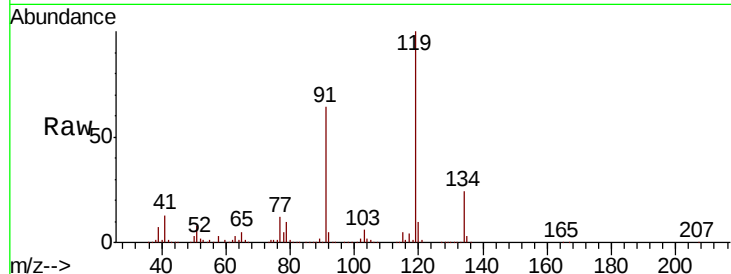




#83
 tert-Butylbenzene
 Concen: 19.801 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

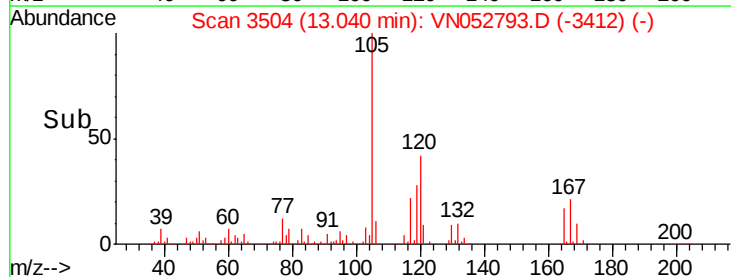
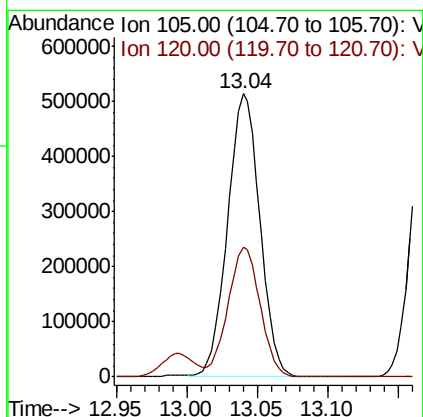
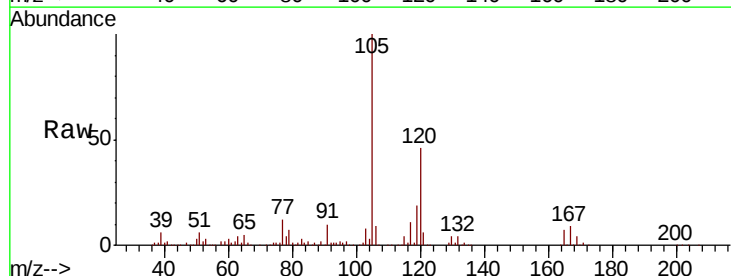
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

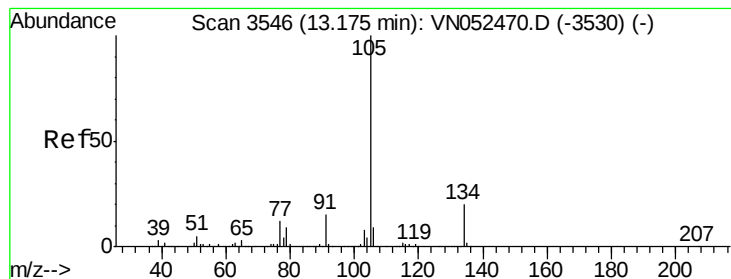
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.3	96.9
134	25.6	13.0	38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.864 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.945 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

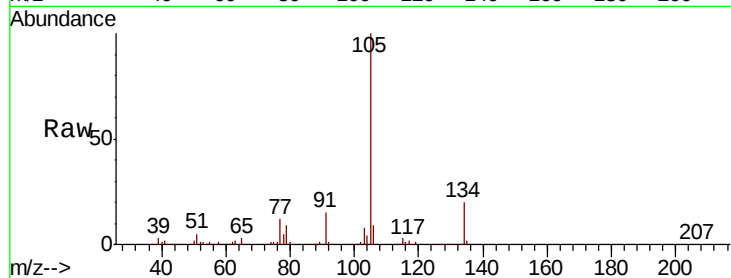
VN1211WBS01

Tot Ion:105 Resp: 996587

Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

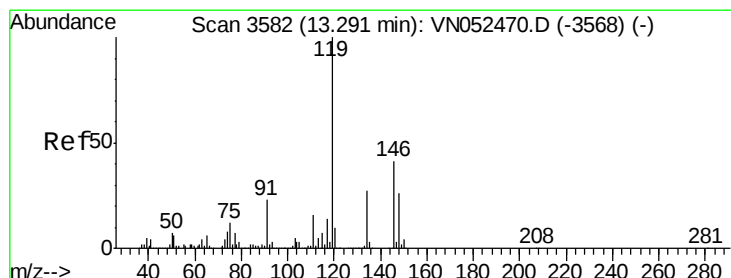
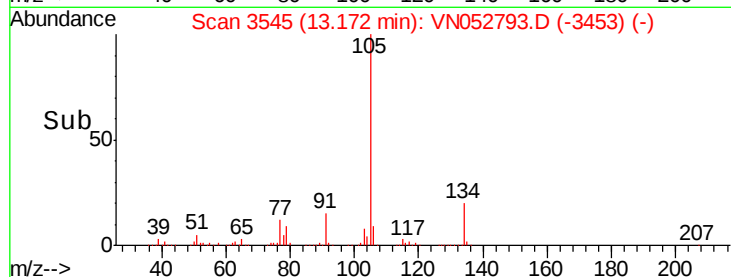
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.158 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

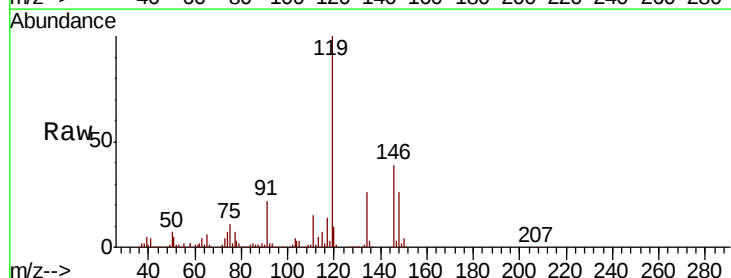
Tgt Ion:119 Resp: 857921

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

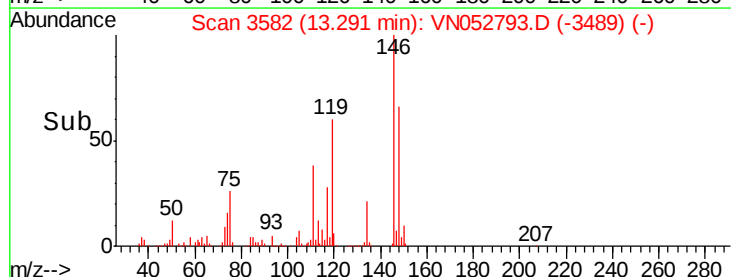
600000

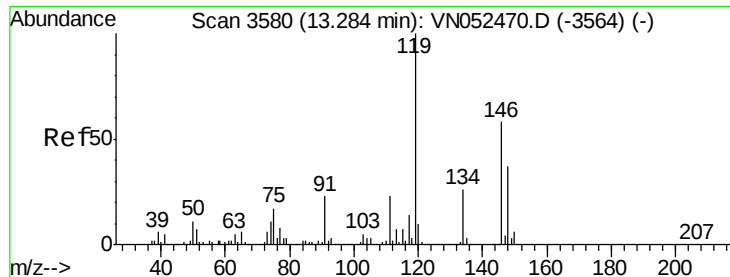
400000

200000

0

Time-->

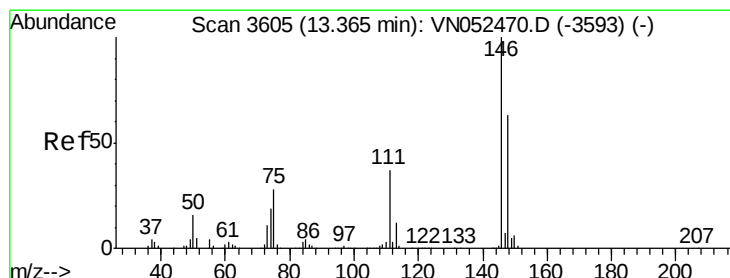
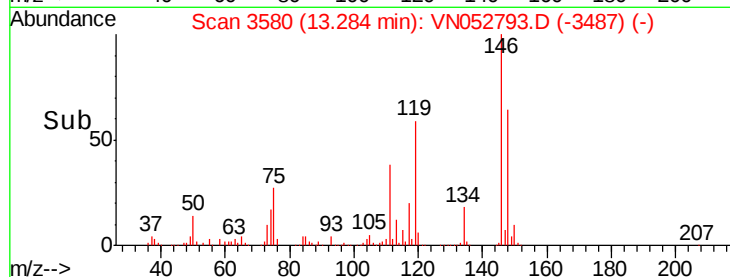
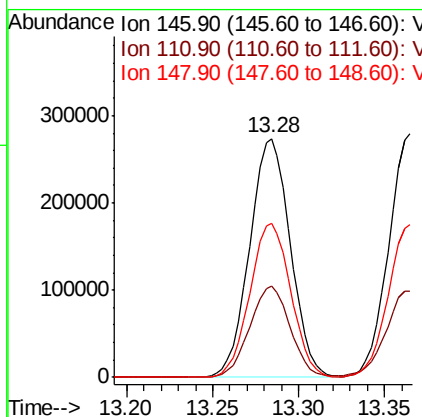
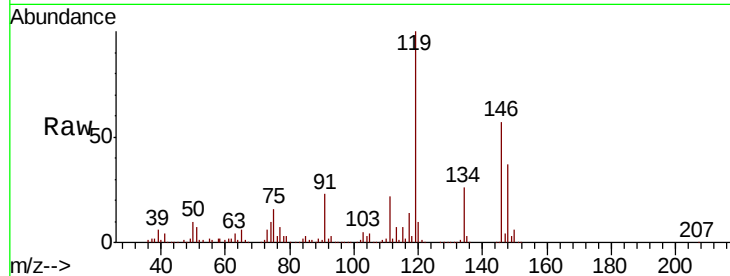




#87
 1,3-Dichlorobenzene
 Concen: 20.072 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

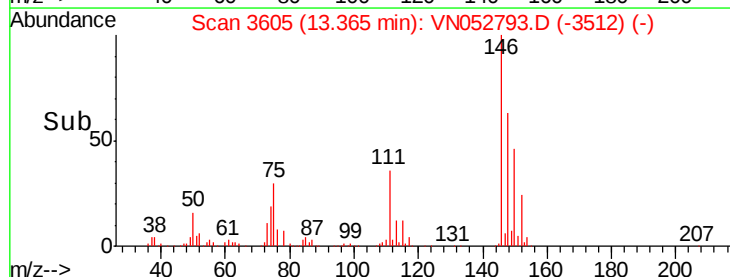
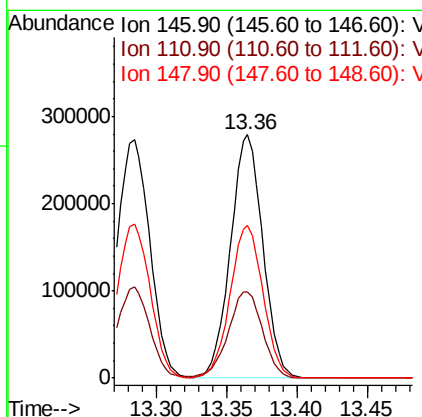
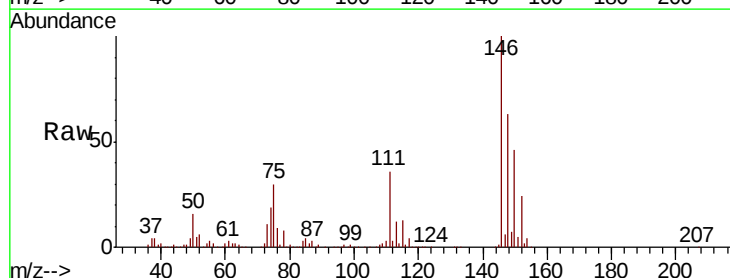
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

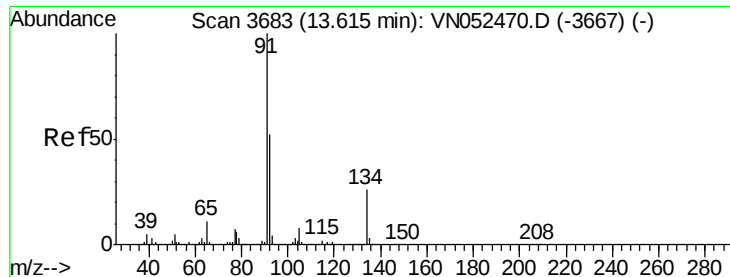
Tot Ion:146 Resp: 447773
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.351 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion:146 Resp: 447200
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 56.0
 148 63.8 31.9 95.9





#89

n-Butylbenzene

Concen: 20.534 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

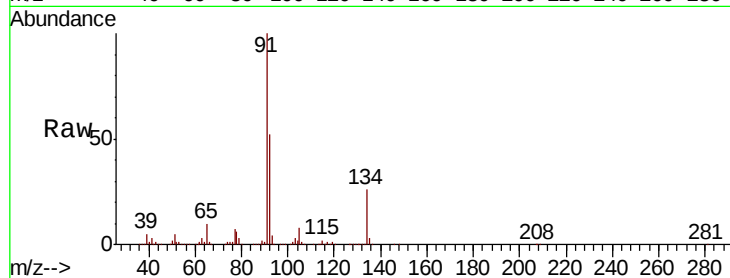
Tot Ion: 91 Resp: 726796

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.3

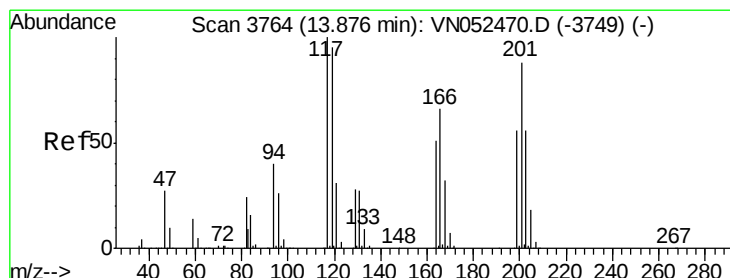
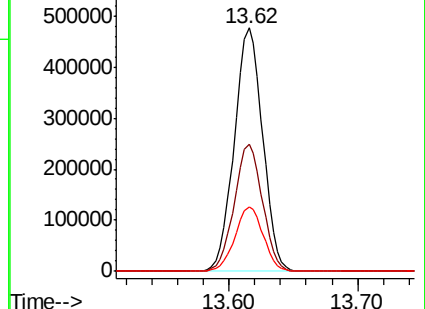
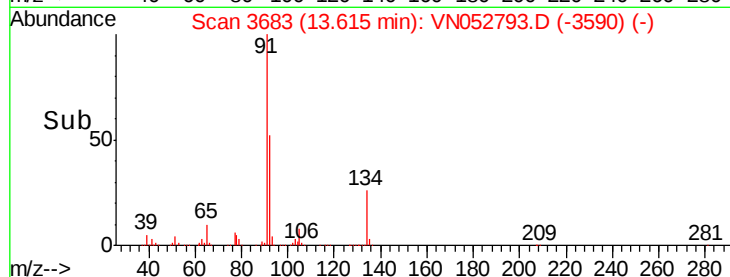
134 26.4 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.996 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052793.D

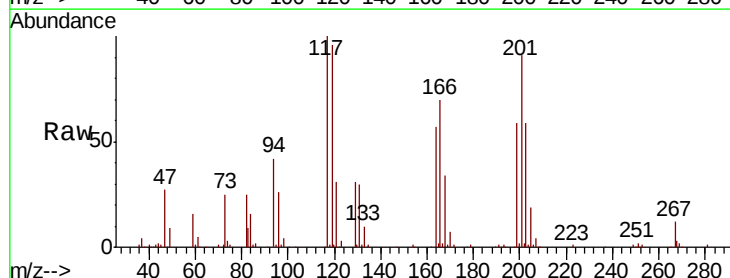
Acq: 11 Dec 2018 10:50

Tgt Ion: 117 Resp: 136887

Ion Ratio Lower Upper

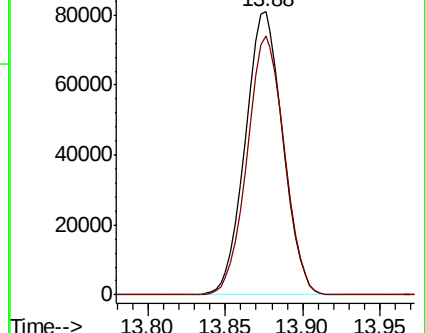
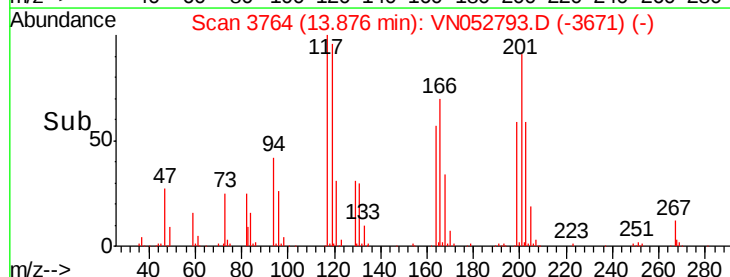
117 100

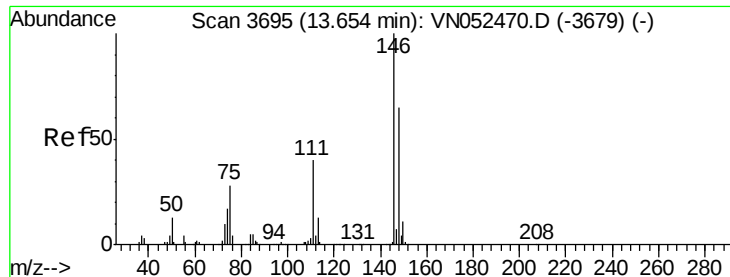
201 90.7 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.308 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

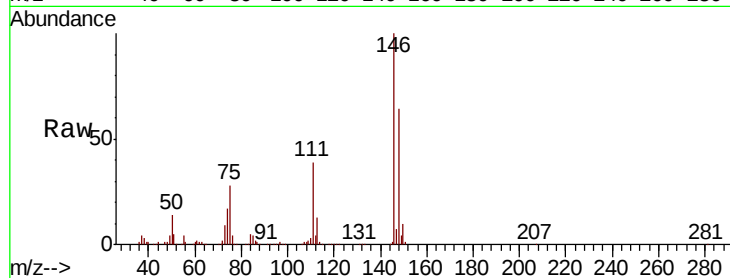
Tot Ion:146 Resp: 432829

Ion Ratio Lower Upper

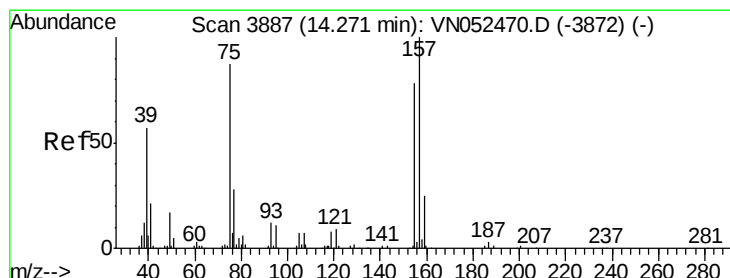
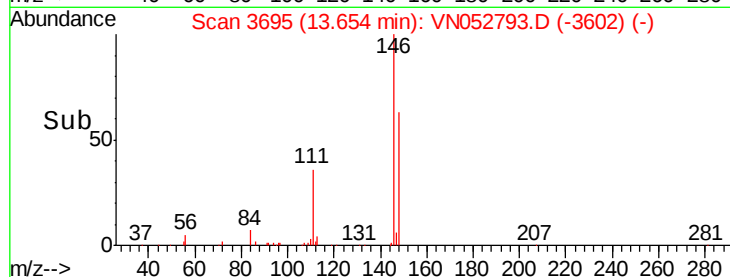
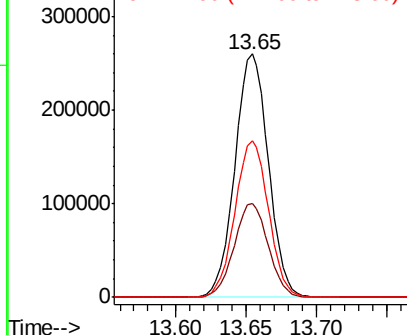
146 100

111 39.2 20.0 60.0

148 64.4 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.883 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

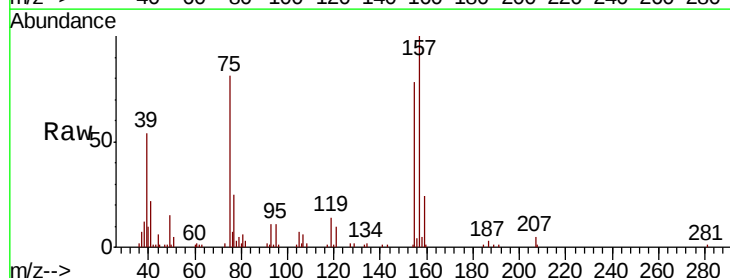
Tgt Ion: 75 Resp: 31699

Ion Ratio Lower Upper

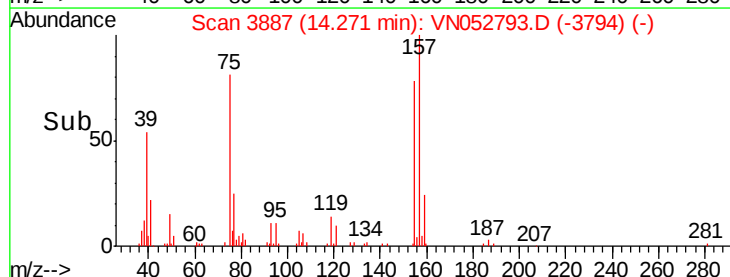
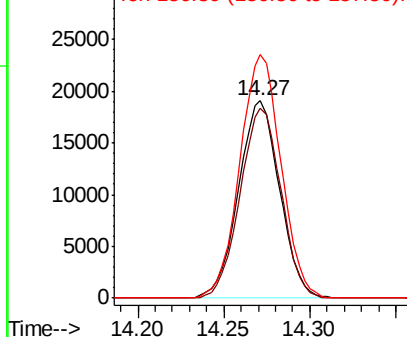
75 100

155 95.5 45.3 135.9

157 123.6 58.1 174.2



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

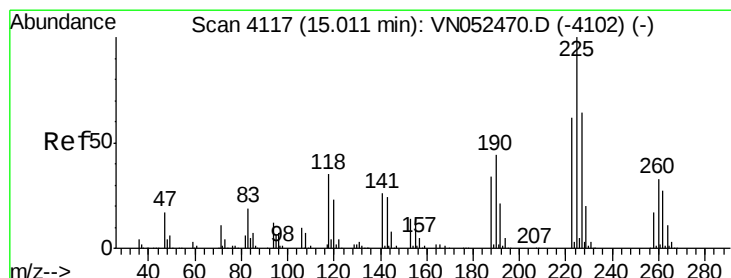
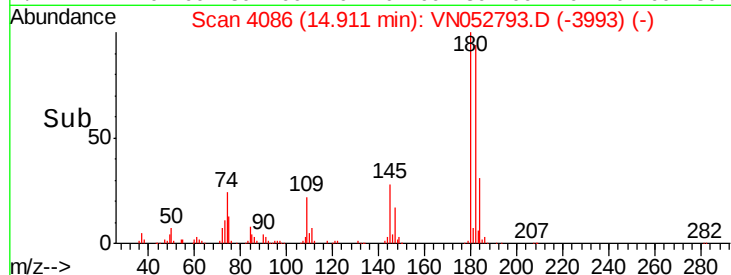
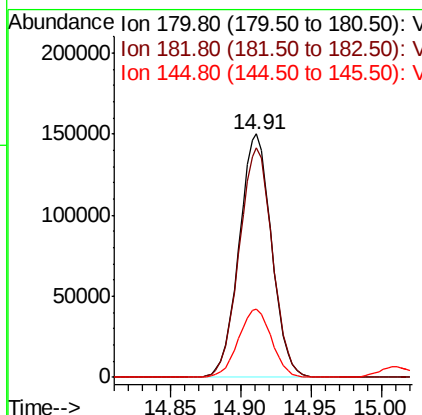
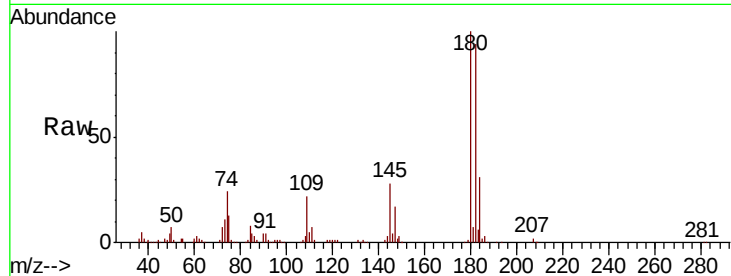




#93
 1,2,4-Trichlorobenzene
 Concen: 22.418 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

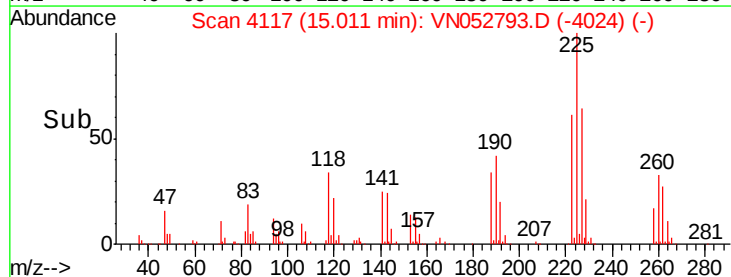
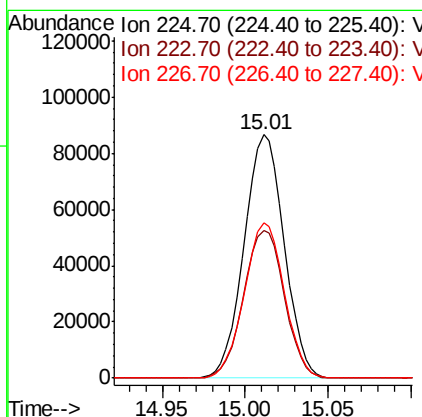
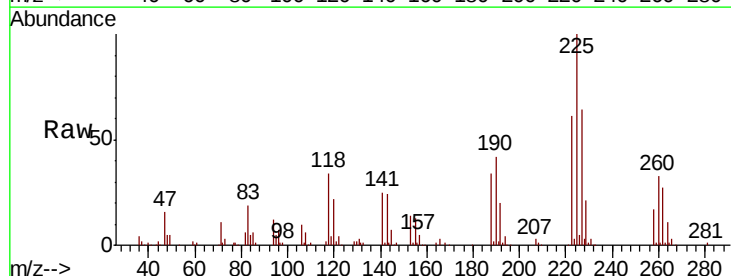
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

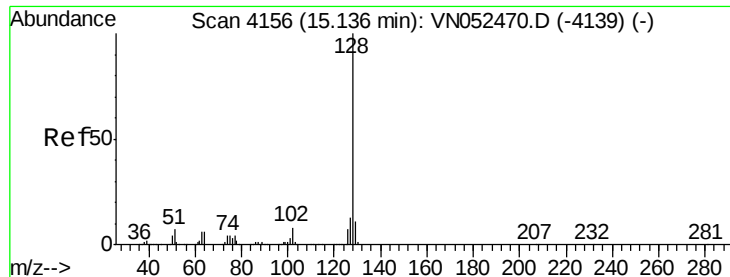
Tot Ion:180 Resp: 242422
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.4
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.201 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052793.D
 Acq: 11 Dec 2018 10:50

Tgt Ion:225 Resp: 145368
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 63.7 32.5 97.4





#95

Naphthalene

Concen: 21.586 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

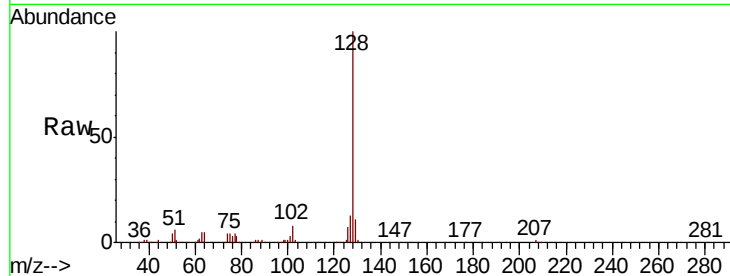
Tot Ion:128 Resp: 482692

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

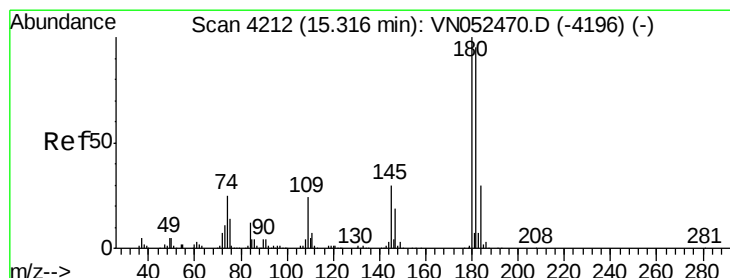
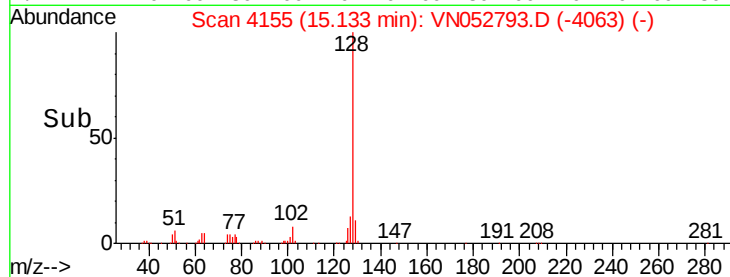
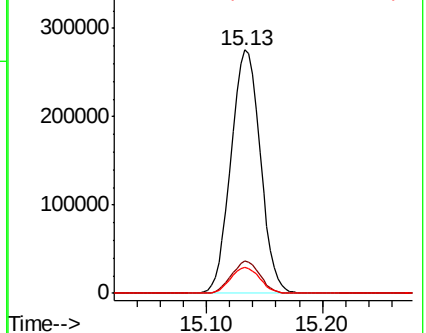
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.042 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052793.D

Acq: 11 Dec 2018 10:50

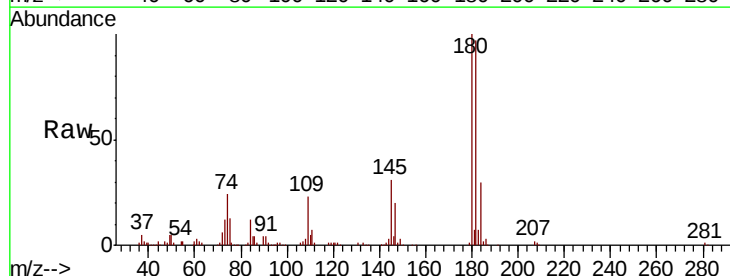
Tgt Ion:180 Resp: 219309

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 30.8 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

