

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054880.D
 Acq On : 1 Apr 2019 17:42
 Operator : JC/SP
 Sample : VN0401WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Quant Time: Apr 02 04:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	373582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	616666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	266140	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.59	113	207390	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	10.09	98	778263	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	253874	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	72961	19.308	ug/l	99
3) Chloromethane	2.06	50	110646	21.177	ug/l	94
4) Vinyl Chloride	2.19	62	94472	20.134	ug/l	99
5) Bromomethane	2.58	94	53405	20.378	ug/l	95
6) Chloroethane	2.71	64	55194	21.066	ug/l	95
7) Trichlorofluoromethane	3.03	101	124255	21.540	ug/l	99
8) Diethyl Ether	3.41	74	42067	22.647	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62571	20.605	ug/l	93
10) Methyl Iodide	3.95	142	83224	20.020	ug/l #	88
11) Tert butyl alcohol	4.82	59	28671	109.271	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	64949	22.117	ug/l #	77
13) Acrolein	3.61	56	33904	144.539	ug/l	100
14) Allyl chloride	4.32	41	145850	20.164	ug/l #	91
15) Acrylonitrile	5.00	53	163901	112.383	ug/l	99
16) Acetone	3.82	43	113088	94.169	ug/l #	83
17) Carbon Disulfide	4.04	76	179879	18.886	ug/l	98
18) Methyl Acetate	4.33	43	74750	23.409	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	220930	21.508	ug/l	93
20) Methylene Chloride	4.55	84	90448	21.352	ug/l #	79
21) trans-1,2-Dichloroethene	5.04	96	80375	20.838	ug/l	89
22) Diisopropyl ether	5.96	45	314738	22.000	ug/l #	94
23) Vinyl Acetate	5.90	43	1073398	107.818	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	166594	21.830	ug/l	97
25) 2-Butanone	6.85	43	191695	107.987	ug/l	89
26) 2,2-Dichloropropane	6.83	77	101256	18.931	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	93927	21.556	ug/l	89
28) Bromochloromethane	7.20	49	82465	21.610	ug/l #	70
29) Tetrahydrofuran	7.22	42	132761	107.678	ug/l #	85
30) Chloroform	7.37	83	159443	21.911	ug/l	97
31) Cyclohexane	7.65	56	151558	20.584	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	132364	21.949	ug/l	95
36) 1,1-Dichloropropene	7.79	75	115460	20.094	ug/l	96
37) Ethyl Acetate	6.94	43	88770	21.067	ug/l	95
38) Carbon Tetrachloride	7.77	117	111051	19.898	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124127	19.649	ug/l #	86
40) Benzene	8.04	78	351211	21.361	ug/l	97
41) Methacrylonitrile	7.18	41	48805	20.618	ug/l	93
42) 1,2-Dichloroethane	8.12	62	127084	21.647	ug/l	98
43) Isopropyl Acetate	8.17	43	148353	21.667	ug/l #	94
44) Trichloroethene	8.84	130	87878	20.589	ug/l	94
45) 1,2-Dichloropropane	9.12	63	101012	21.546	ug/l	100
46) Dibromomethane	9.21	93	56779	21.529	ug/l	89
47) Bromodichloromethane	9.40	83	116891	21.326	ug/l	99
48) Methyl methacrylate	9.20	41	75966	20.468	ug/l #	86
49) 1,4-Dioxane	9.21	88	15724	426.979	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	423918	110.124	ug/l	92
52) Toluene	10.16	92	210281	21.493	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	105252	20.414	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	130071	21.119	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	81827	22.493	ug/l	95
56) Ethyl methacrylate	10.43	69	97181	20.364	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	137034	21.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	182227	95.329	ug/l	90
59) 2-Hexanone	10.75	43	258439	104.875	ug/l	90
60) Dibromochloromethane	10.90	129	77056	20.910	ug/l	97
61) 1,2-Dibromoethane	11.01	107	74720	21.492	ug/l	100
64) Tetrachloroethene	10.63	164	82263	19.825	ug/l	95
65) Chlorobenzene	11.43	112	216842	20.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82188	20.740	ug/l	99
67) Ethyl Benzene	11.51	91	394933	20.672	ug/l	98
68) m/p-Xylenes	11.62	106	284710	40.270	ug/l	92
69) o-Xylene	11.95	106	140123	20.212	ug/l	93
70) Styrene	11.96	104	233594	21.073	ug/l	97
71) Bromoform	12.13	173	46237	19.917	ug/l #	97
73) Isopropylbenzene	12.25	105	378150	20.671	ug/l	99
74) N-amyl acetate	12.07	43	115342	20.238	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	95993	22.875	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110040	28.302	ug/l #	100
77) Bromobenzene	12.53	156	91009	20.613	ug/l	85
78) n-propylbenzene	12.59	91	413071	20.544	ug/l	95
79) 2-Chlorotoluene	12.67	91	257275	20.683	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	310474	20.684	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16979	16.986	ug/l #	72
82) 4-Chlorotoluene	12.77	91	241275	19.970	ug/l	96
83) tert-Butylbenzene	12.99	119	263208	21.439	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	303362	21.214	ug/l	97
85) sec-Butylbenzene	13.17	105	342126	20.982	ug/l	97
86) p-Isopropyltoluene	13.29	119	293460	20.405	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	151686	20.521	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	145313	20.043	ug/l	98
89) n-Butylbenzene	13.61	91	218107	18.588	ug/l	98
90) Hexachloroethane	13.87	117	48824	19.995	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	153236	20.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13520	21.619	ug/l	81

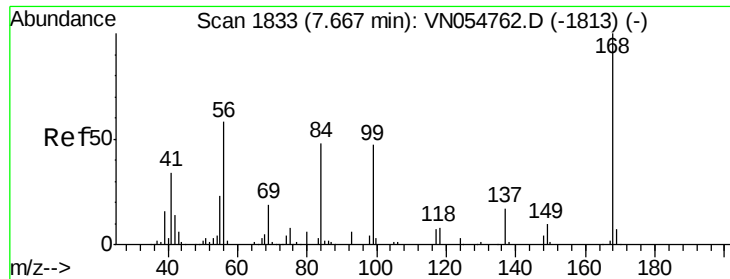
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
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Acq On : 1 Apr 2019 17:42
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61262	17.034	ug/l	98
94) Hexachlorobutadiene	15.01	225	46483	20.586	ug/l	99
95) Naphthalene	15.13	128	138705	17.195	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	66498	18.308	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

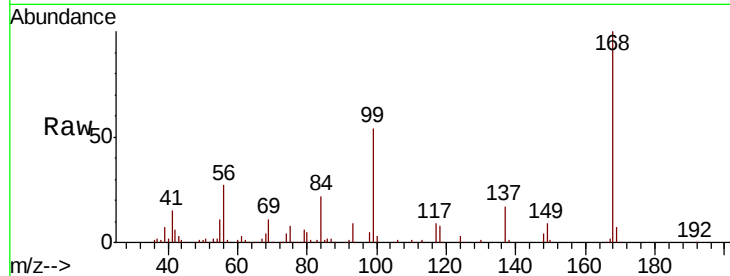
VN0401WBSD01

Tot Ion:168 Resp: 373582

Ion Ratio Lower Upper

168 100

99 52.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054880.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054880.D (-1740) (-)

7.67

150000

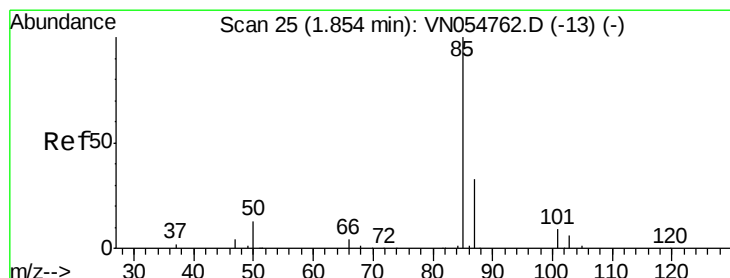
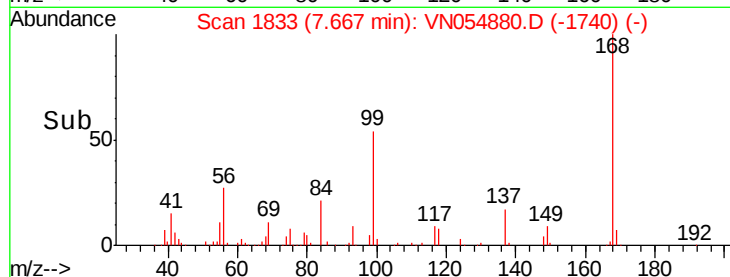
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.308 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054880.D

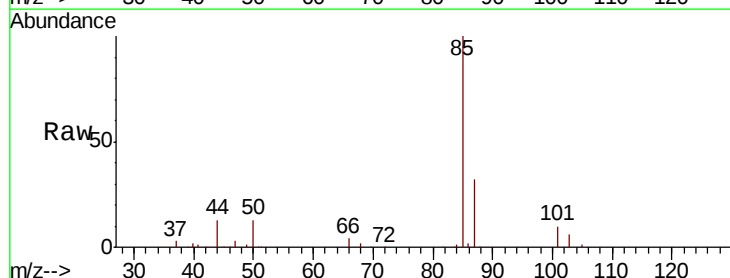
Acq: 1 Apr 2019 17:42

Tgt Ion: 85 Resp: 72961

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054880.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN054880.D (-1) (-)

1.85

60000

50000

40000

30000

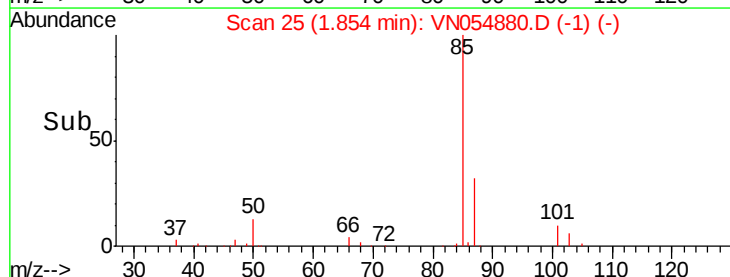
20000

10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.177 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

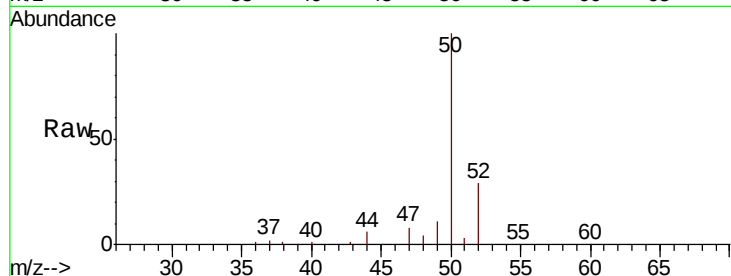
VN0401WBSD01

Tot Ion: 50 Resp: 110646

Ion Ratio Lower Upper

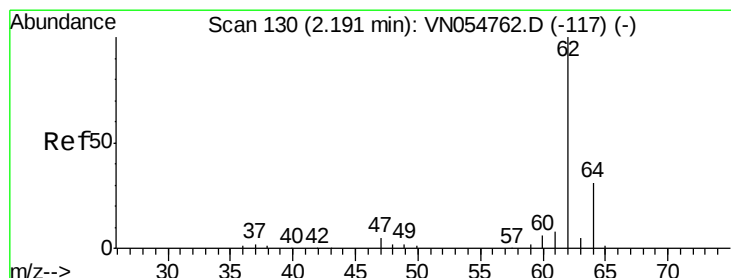
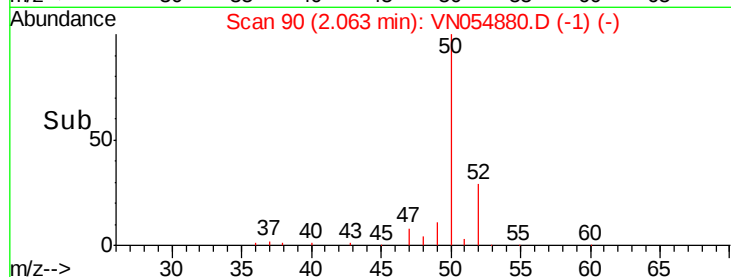
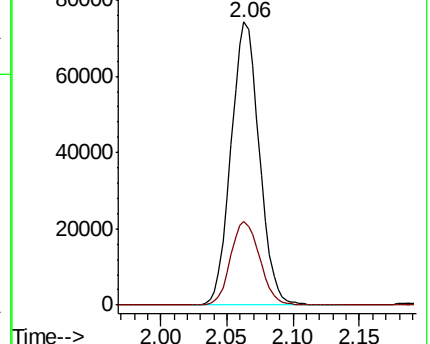
50 100

52 29.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.134 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054880.D

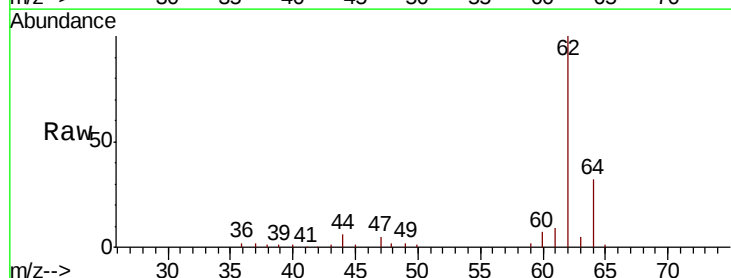
Acq: 1 Apr 2019 17:42

Tgt Ion: 62 Resp: 94472

Ion Ratio Lower Upper

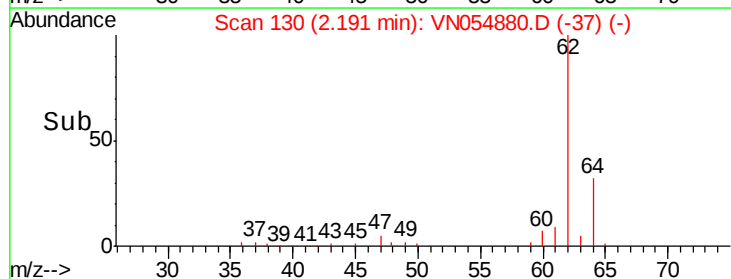
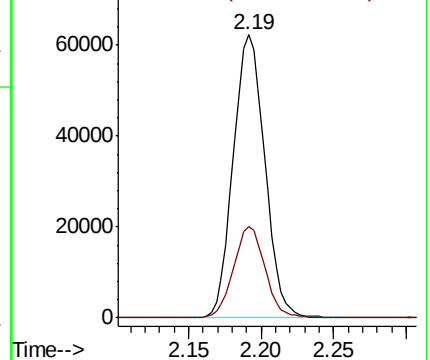
62 100

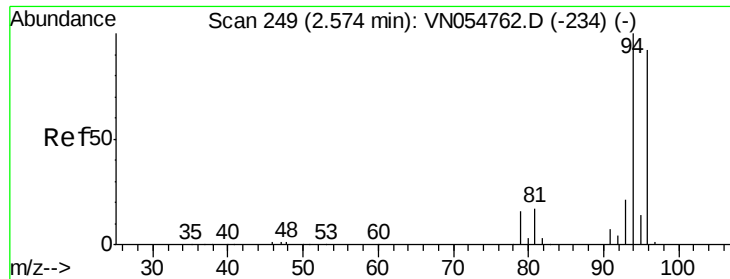
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.378 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

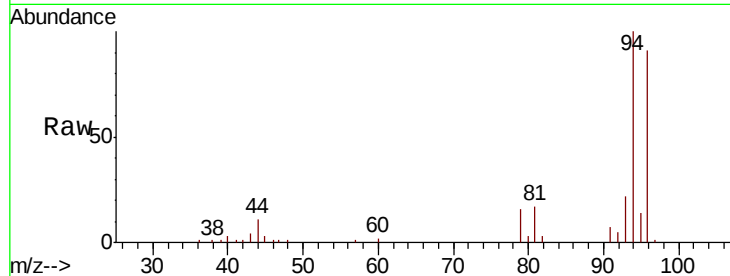
VN0401WBSD01

Tot Ion: 94 Resp: 53405

Ion Ratio Lower Upper

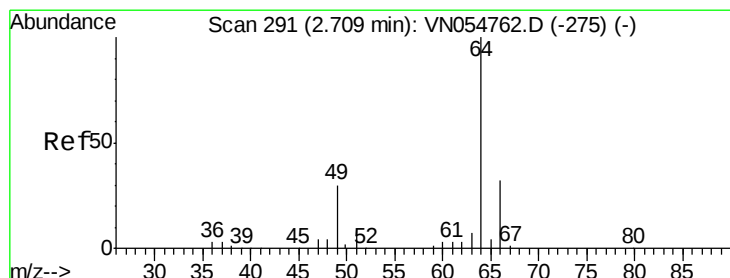
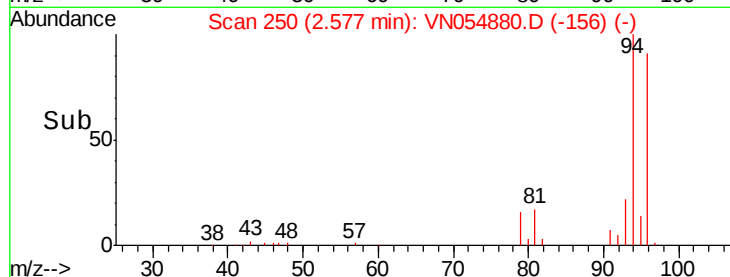
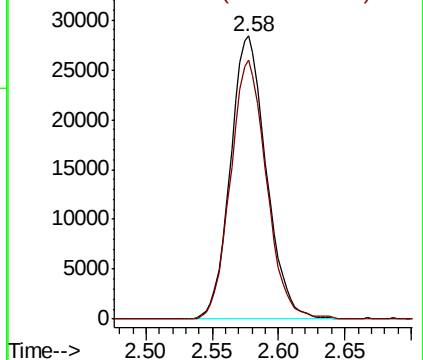
94 100

96 91.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.066 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054880.D

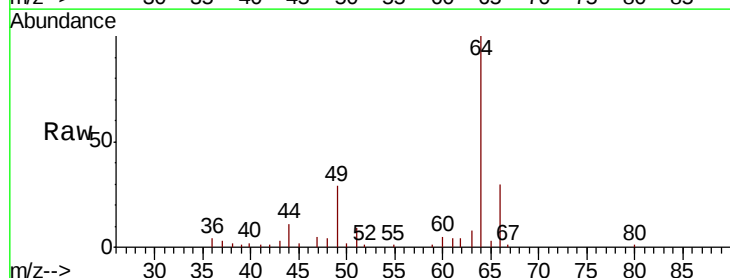
Acq: 1 Apr 2019 17:42

Tgt Ion: 64 Resp: 55194

Ion Ratio Lower Upper

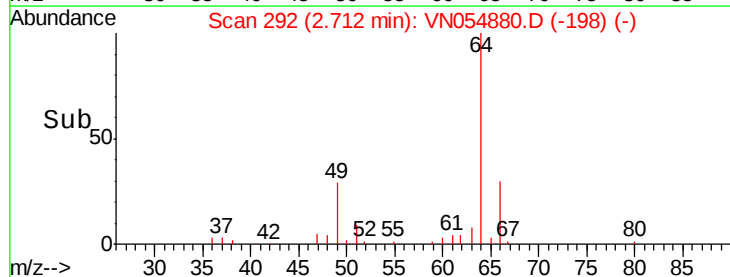
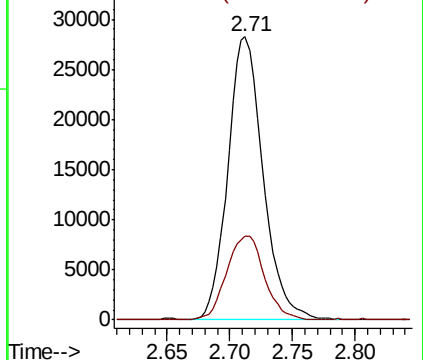
64 100

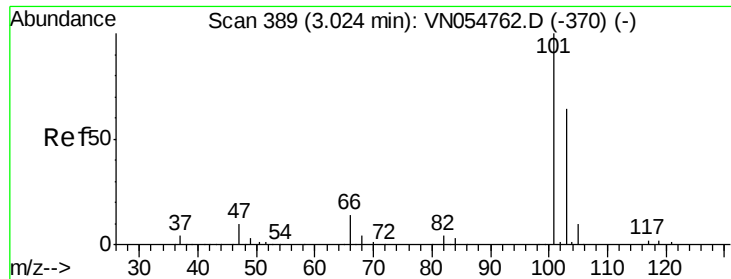
66 29.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



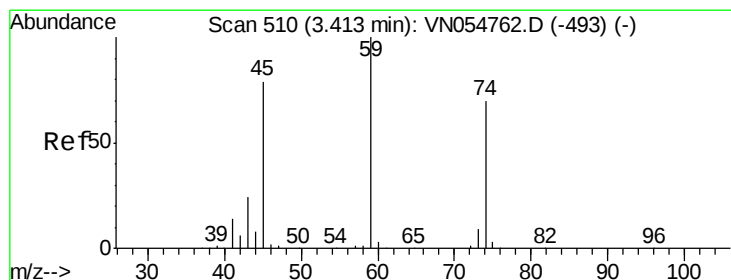
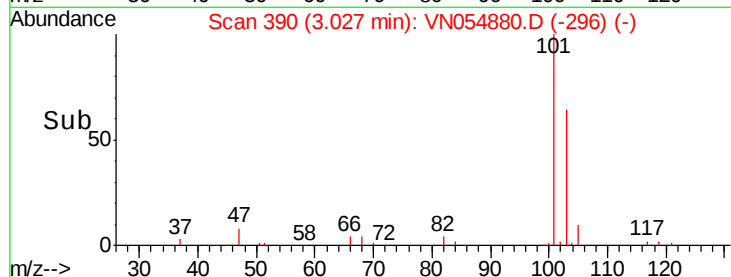
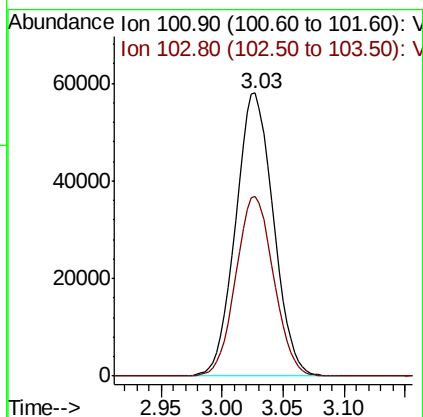
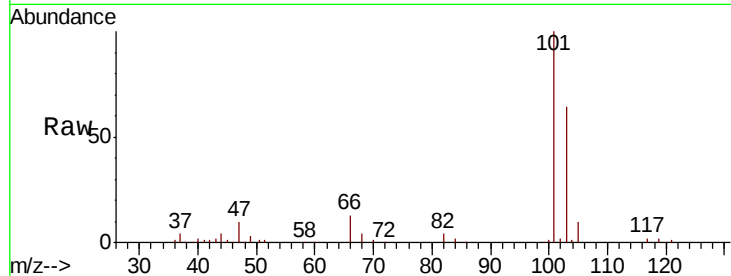


#7

Trichlorofluoromethane
 Concen: 21.540 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Instrument :
 MSVOA_N
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 VN0401WBSD01

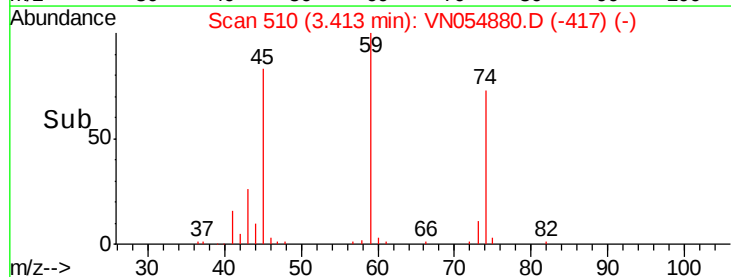
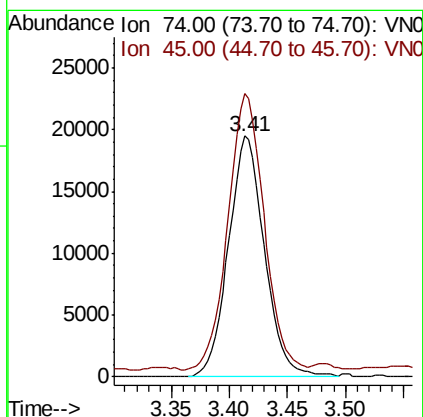
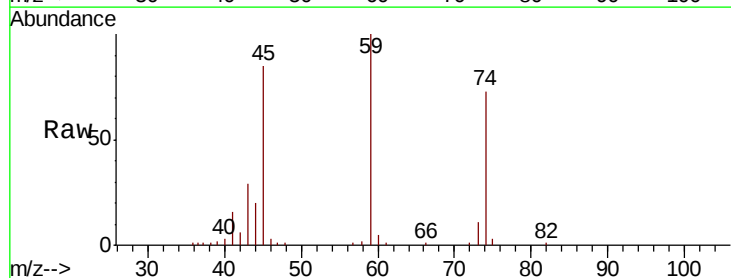
Tot Ion:101 Resp: 124255
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.2

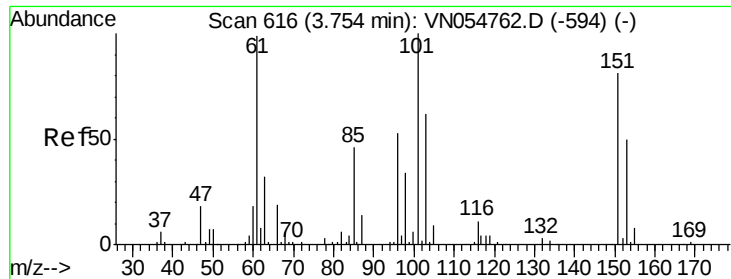


#8

Diethyl Ether
 Concen: 22.647 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 74 Resp: 42067
 Ion Ratio Lower Upper
 74 100
 45 115.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.605 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

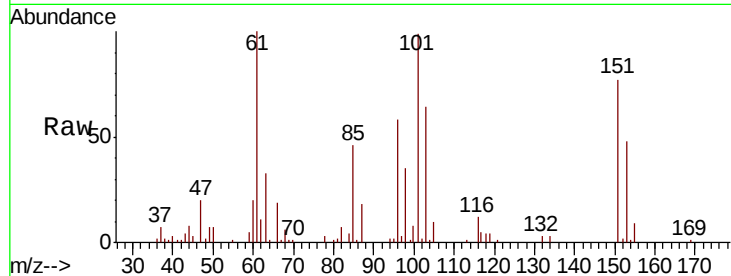
Tot Ion:101 Resp: 62571

Ion Ratio Lower Upper

101 100

85 46.9 32.4 48.6

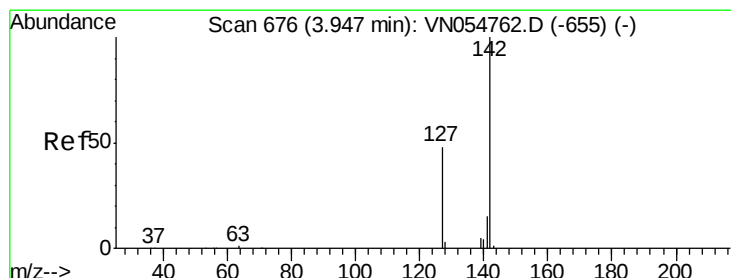
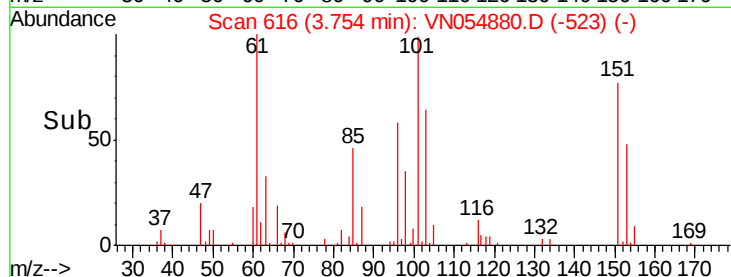
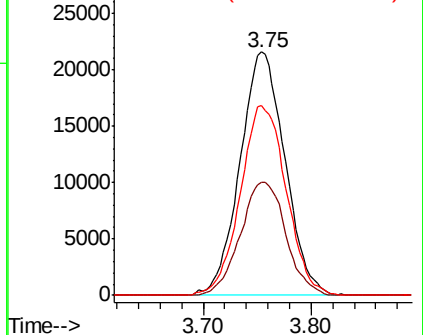
151 79.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.020 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

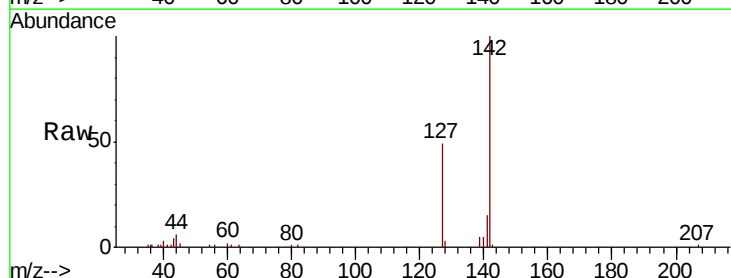
Tgt Ion:142 Resp: 83224

Ion Ratio Lower Upper

142 100

127 47.6 30.3 45.5#

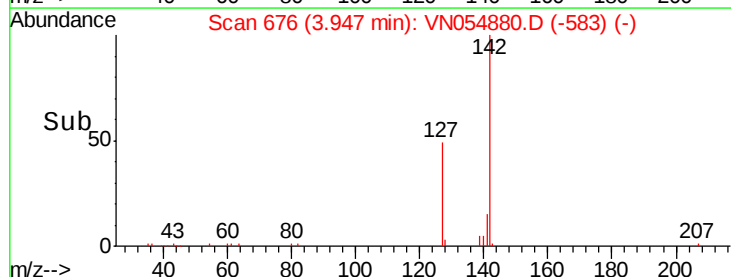
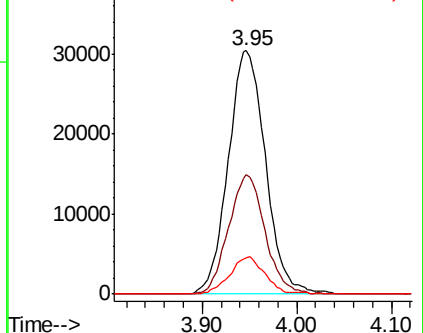
141 14.4 11.2 16.8

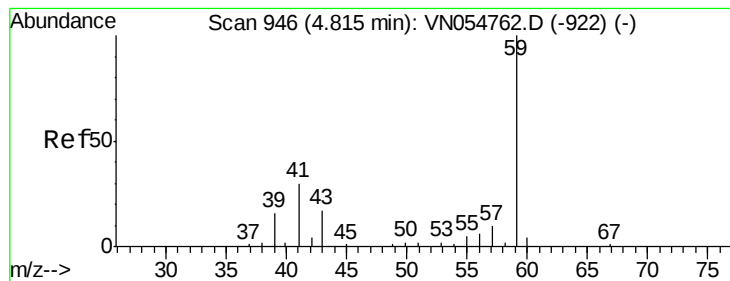


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



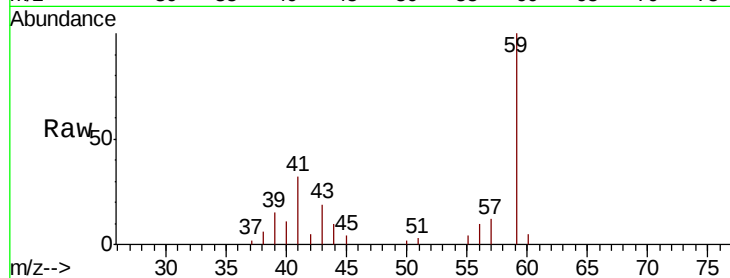


#11

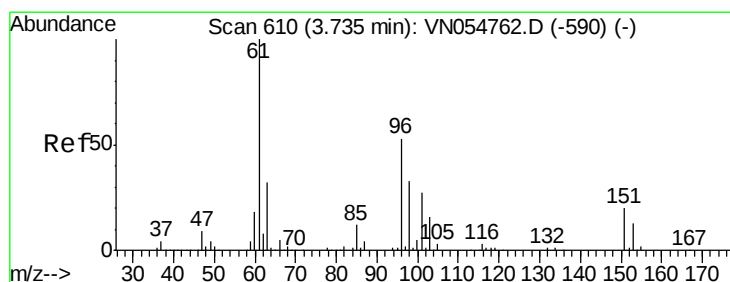
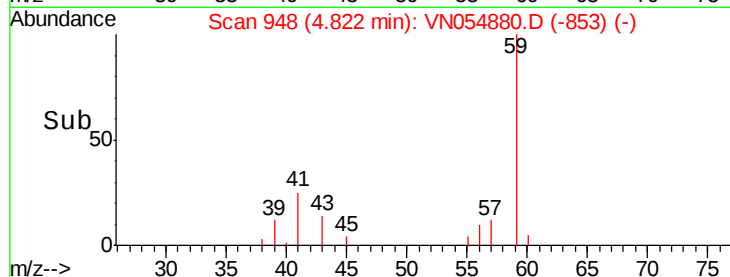
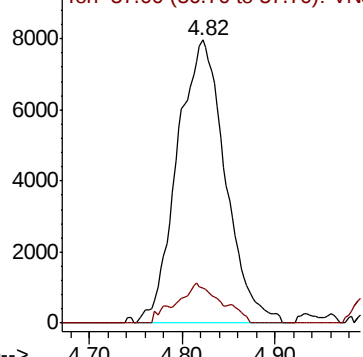
Tert butyl alcohol
 Concen: 109.271 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBSD01

Tot Ion: 59 Resp: 28671
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.6#



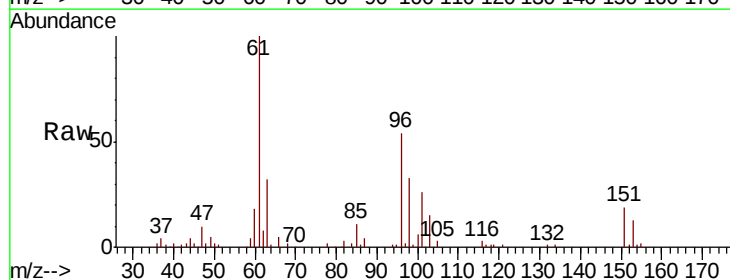
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



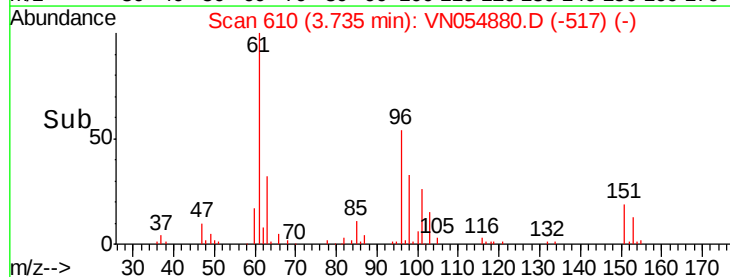
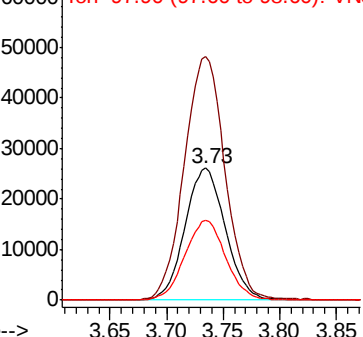
#12

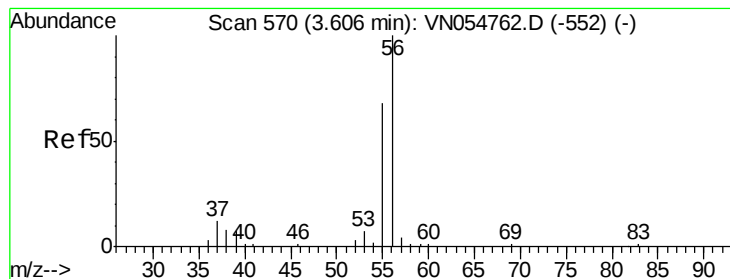
1,1-Dichloroethene
 Concen: 22.117 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 96 Resp: 64949
 Ion Ratio Lower Upper
 96 100
 61 183.8 116.5 174.7#
 98 60.3 51.0 76.4



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





#13

Acrolein

Concen: 144.539 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

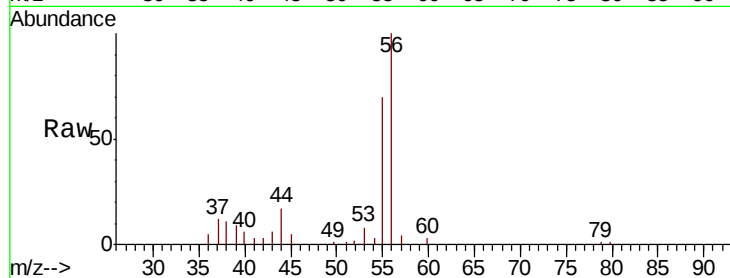
VN0401WBSD01

Tot Ion: 56 Resp: 33904

Ion Ratio Lower Upper

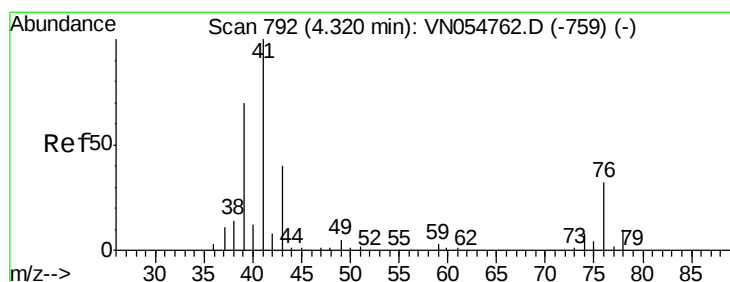
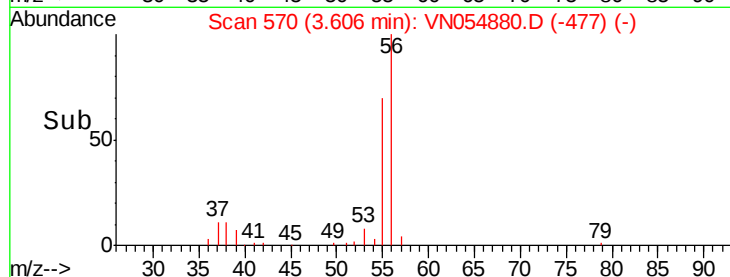
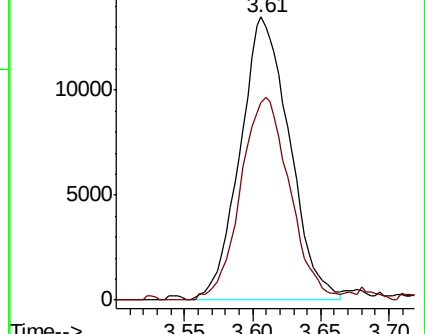
56 100

55 71.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.164 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

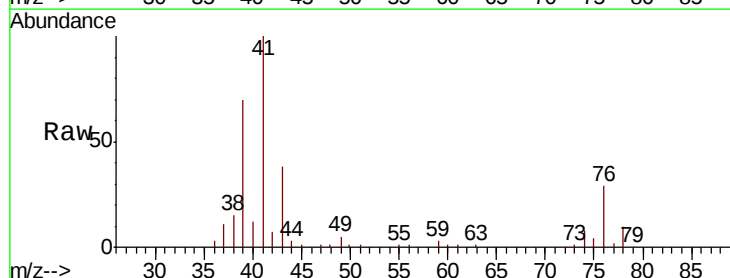
Tgt Ion: 41 Resp: 145850

Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

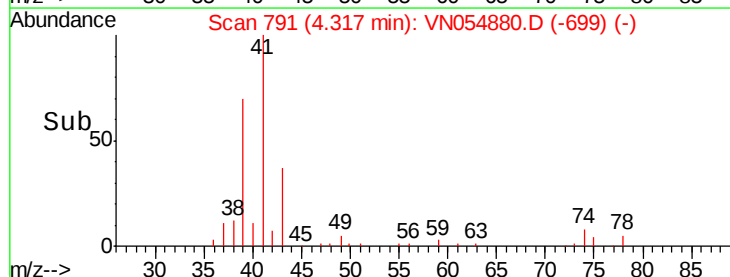
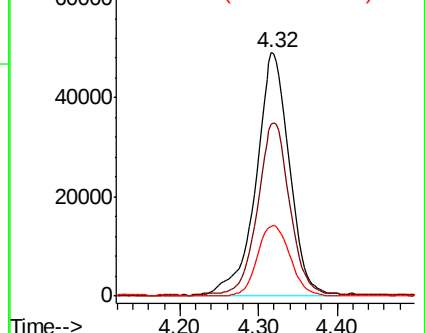
76 28.9 31.7 47.5#

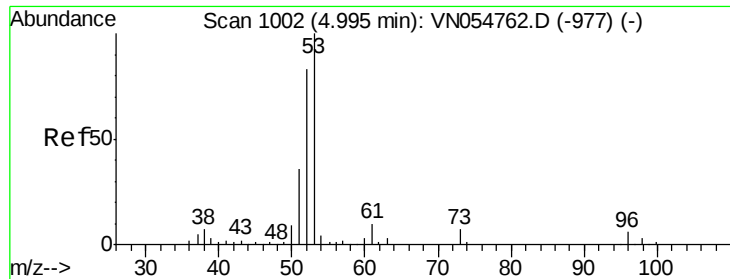


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.383 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

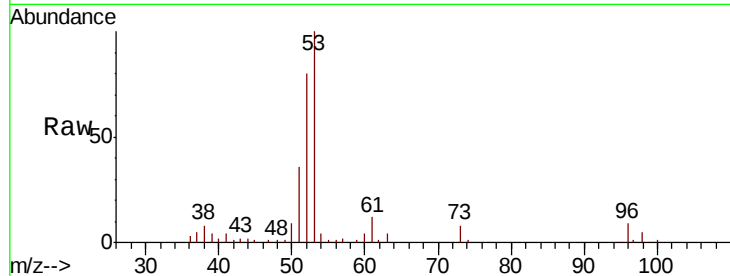
Tot Ion: 53 Resp: 163901

Ion Ratio Lower Upper

53 100

52 82.0 66.4 99.6

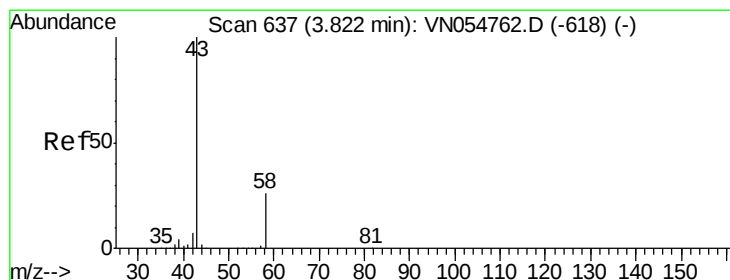
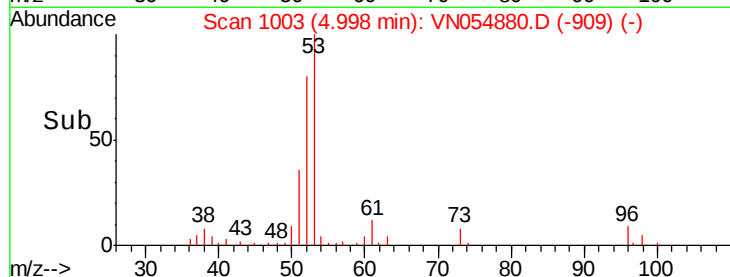
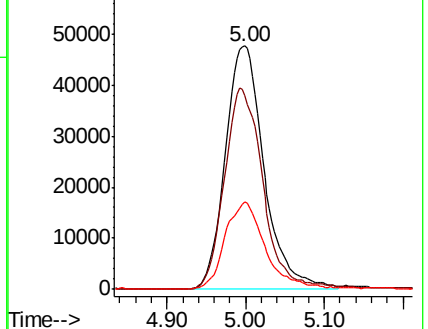
51 36.5 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.169 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054880.D

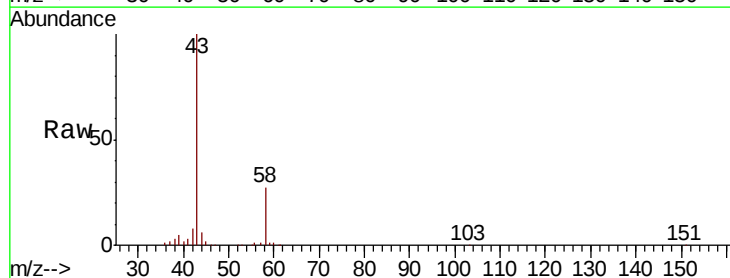
Acq: 1 Apr 2019 17:42

Tgt Ion: 43 Resp: 113088

Ion Ratio Lower Upper

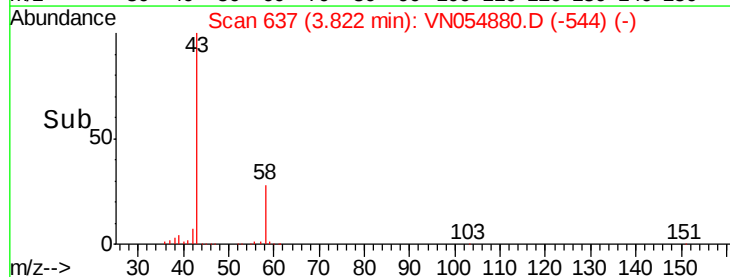
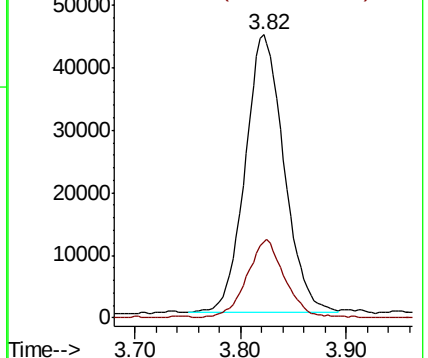
43 100

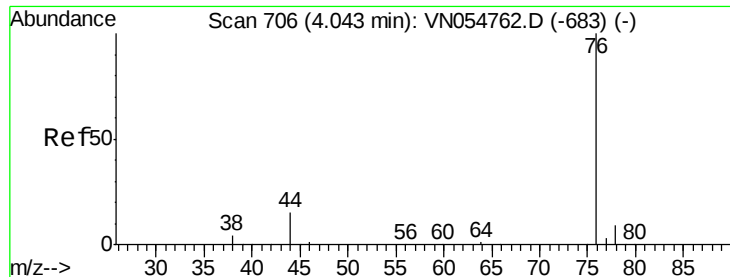
58 27.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.886 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

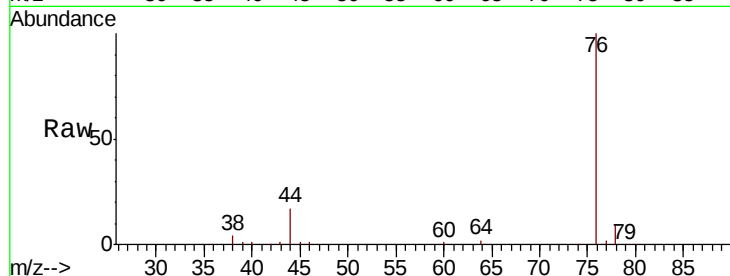
VN0401WBSD01

Tot Ion: 76 Resp: 179879

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

80000

60000

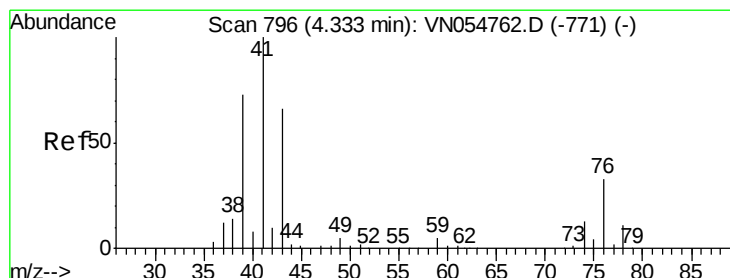
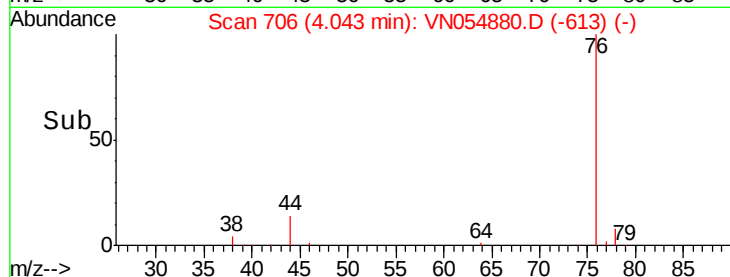
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 23.409 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054880.D

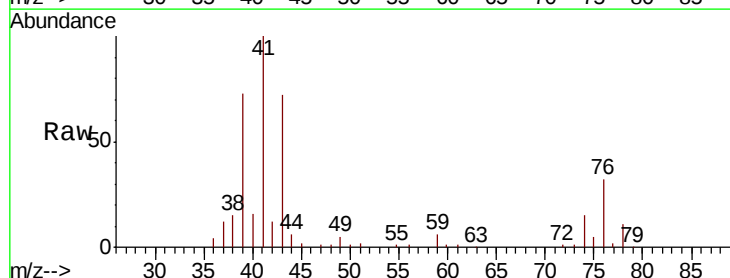
Acq: 1 Apr 2019 17:42

Tgt Ion: 43 Resp: 74750

Ion Ratio Lower Upper

43 100

74 21.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

25000

20000

15000

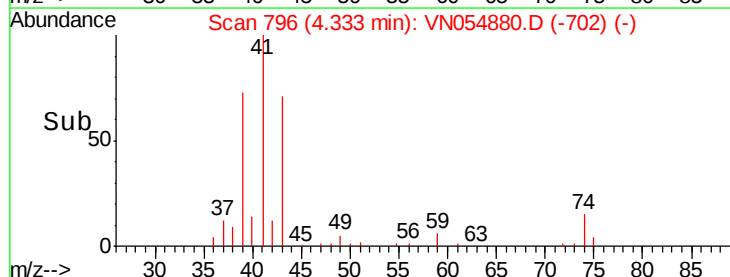
10000

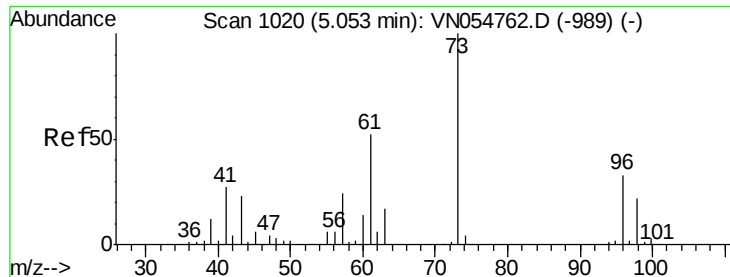
5000

0

Time-->

4.20 4.30 4.40

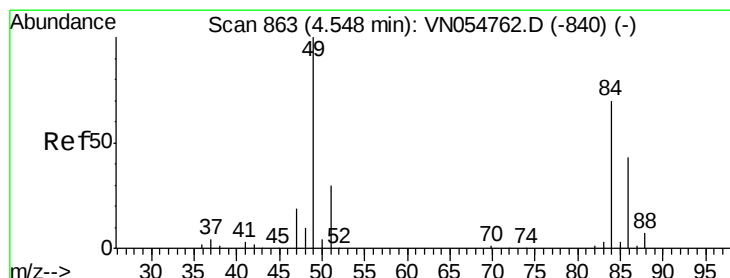
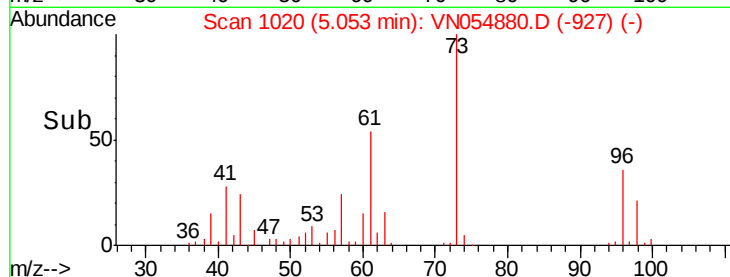
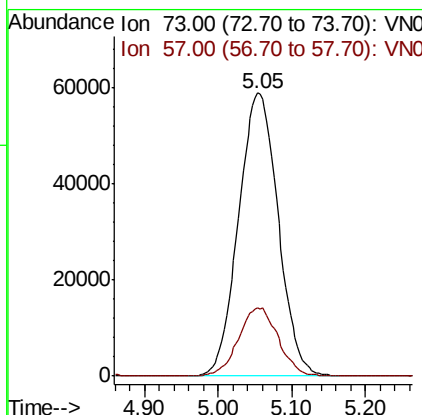
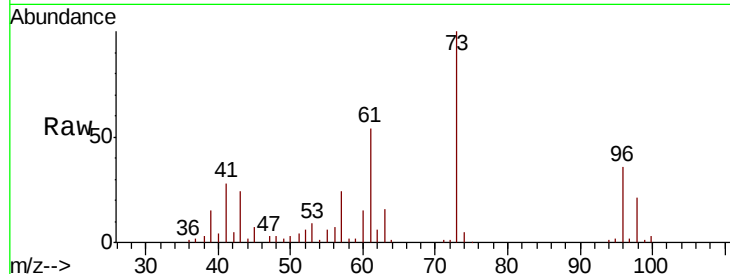




#19
Methyl tert-butyl Ether
Concen: 21.508 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

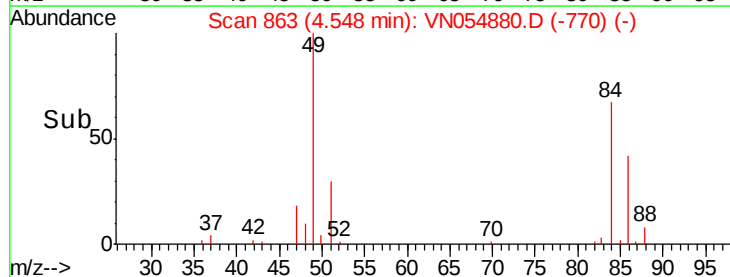
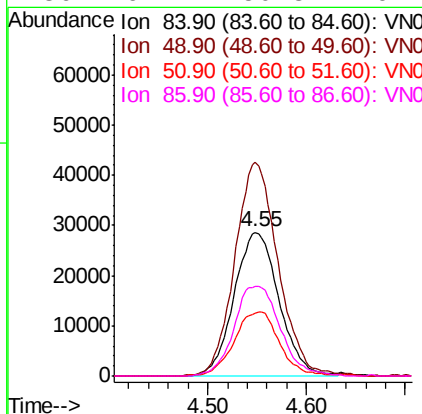
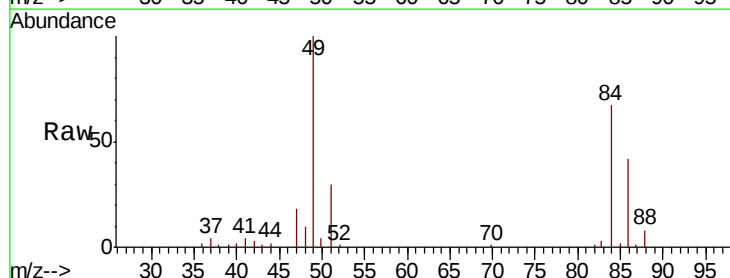
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

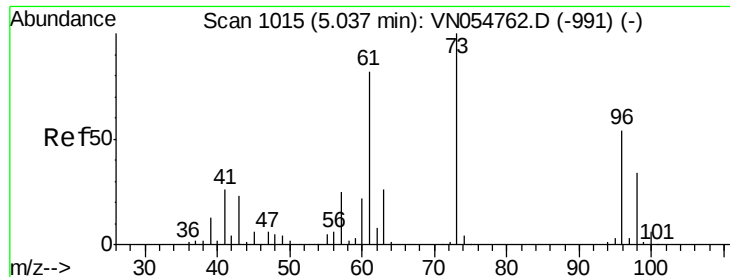
Tot Ion: 73 Resp: 220930
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2



#20
Methylene Chloride
Concen: 21.352 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 84 Resp: 90448
Ion Ratio Lower Upper
84 100
49 147.8 89.7 134.5#
51 43.3 28.2 42.4#
86 62.2 50.8 76.2

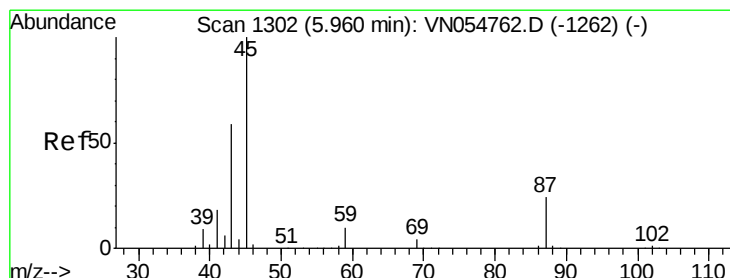
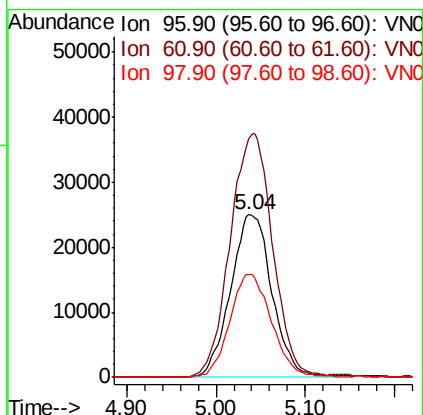
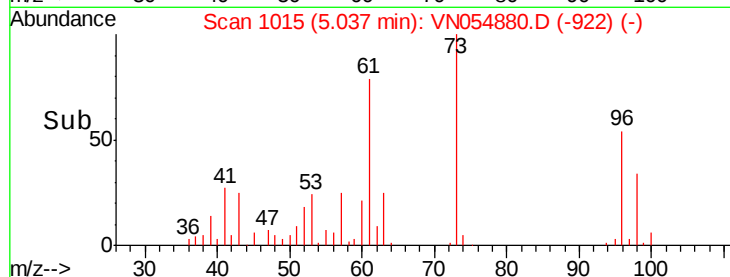
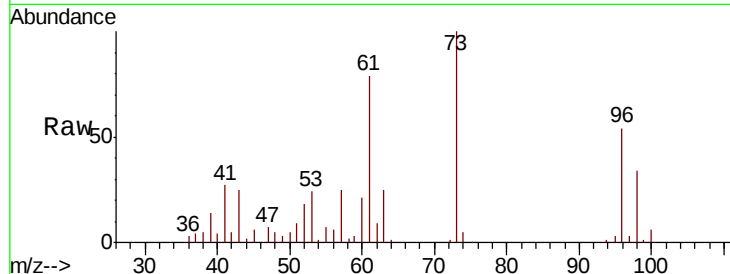




#21
trans-1,2-Dichloroethene
Concen: 20.838 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

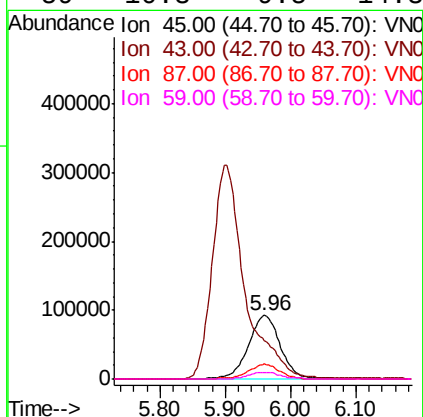
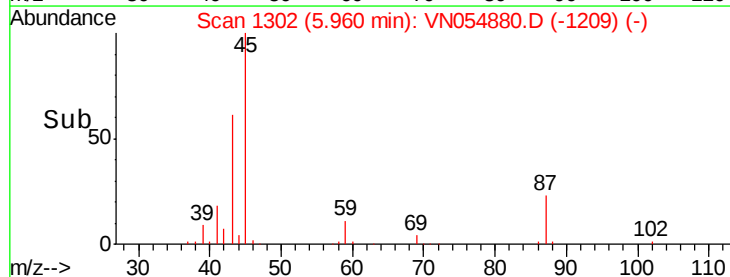
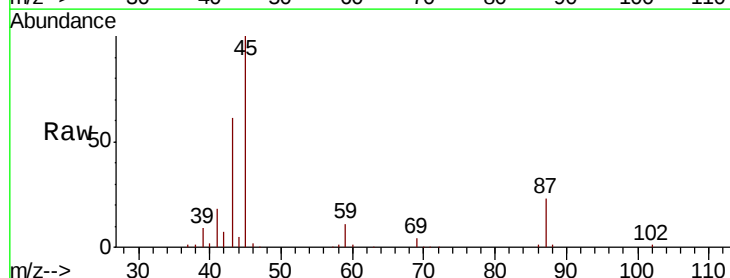
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

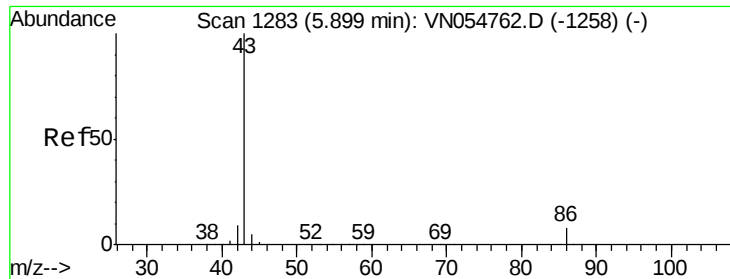
Tot Ion: 96 Resp: 80375
Ion Ratio Lower Upper
96 100
61 146.7 102.8 154.2
98 63.5 50.0 75.0



#22
Diisopropyl ether
Concen: 22.000 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 45 Resp: 314738
Ion Ratio Lower Upper
45 100
43 58.7 48.2 72.2
87 23.0 24.9 37.3#
59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 107.818 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

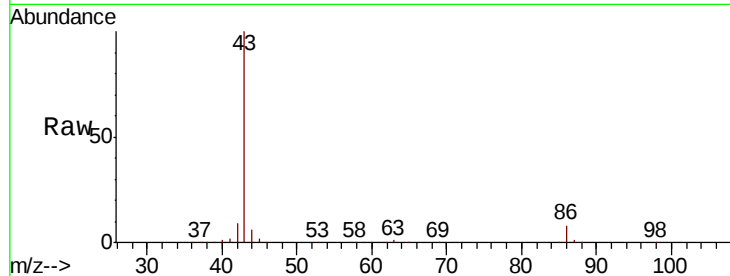
VN0401WBSD01

Tot Ion: 43 Resp: 1073398

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN054762.D (-1258) (-)

5.90

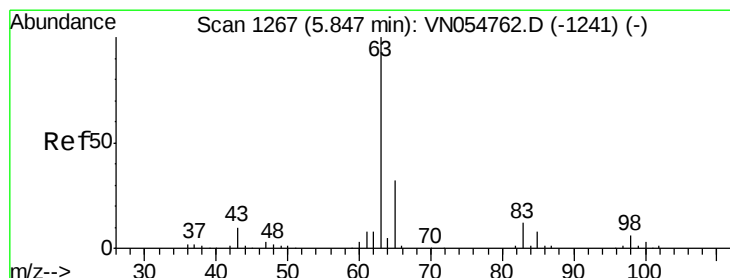
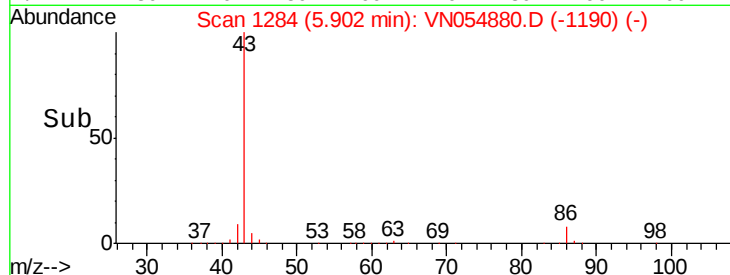
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.830 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

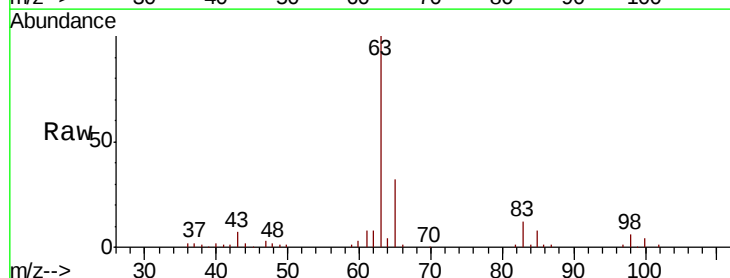
Tgt Ion: 63 Resp: 166594

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054762.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN054762.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN054762.D (-1241) (-)

5.85

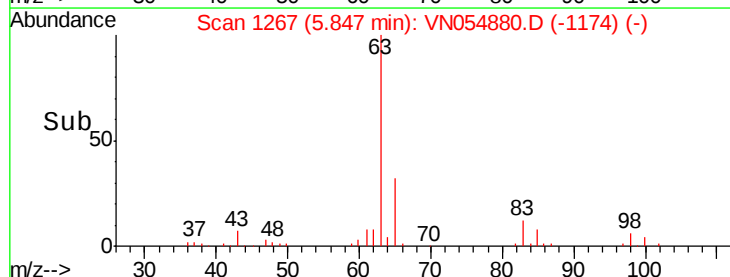
60000

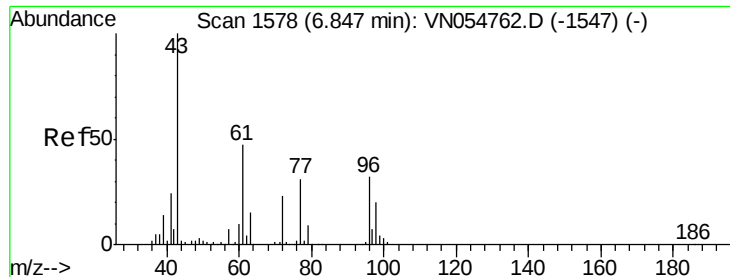
40000

20000

0

Time-->





#25

2-Butanone

Concen: 107.987 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

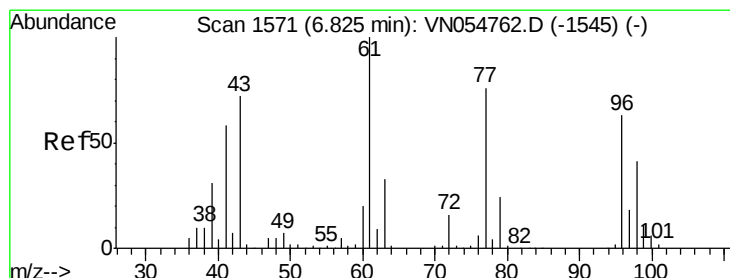
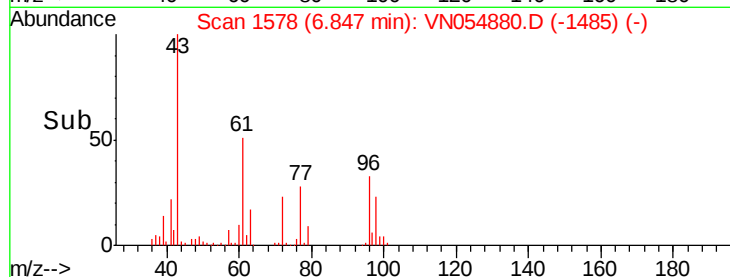
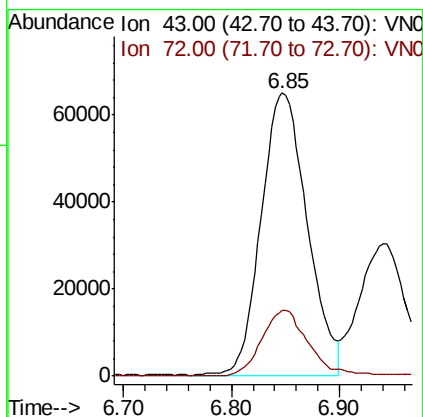
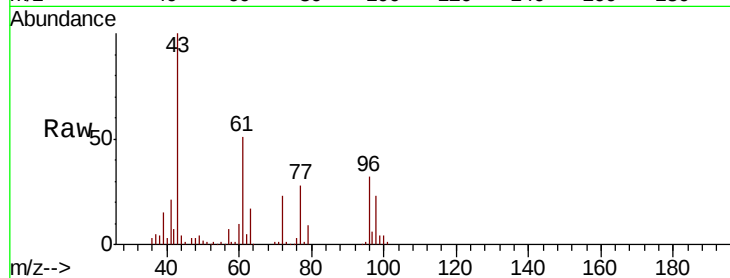
VN0401WBSD01

Tot Ion: 43 Resp: 191695

Ion Ratio Lower Upper

43 100

72 23.1 23.0 34.6



#26

2,2-Dichloropropane

Concen: 18.931 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054880.D

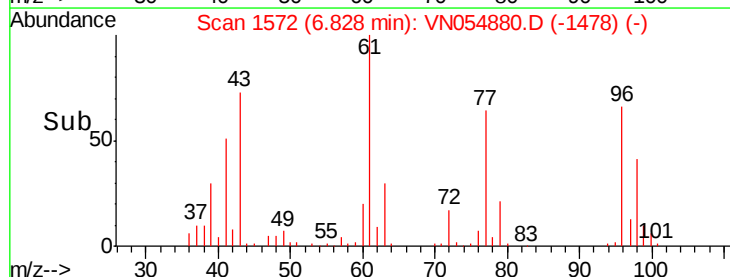
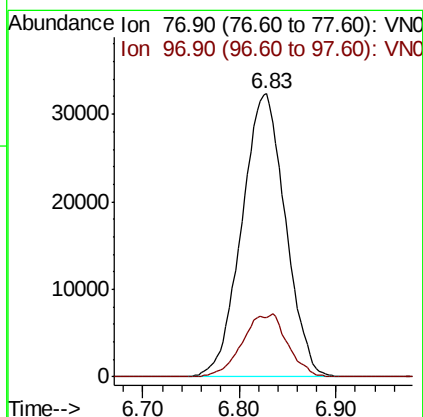
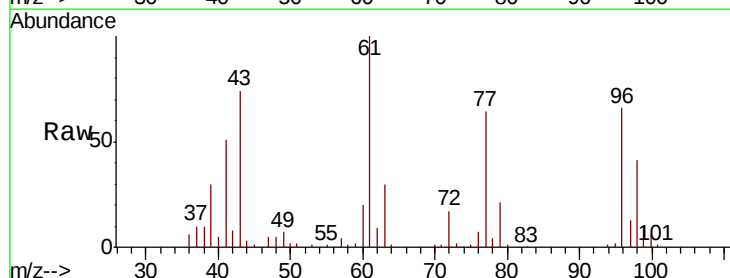
Acq: 1 Apr 2019 17:42

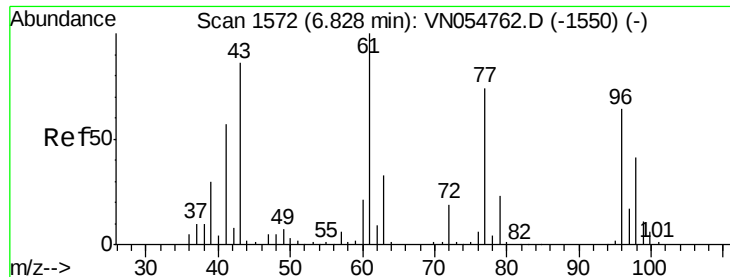
Tgt Ion: 77 Resp: 101256

Ion Ratio Lower Upper

77 100

97 12.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.556 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

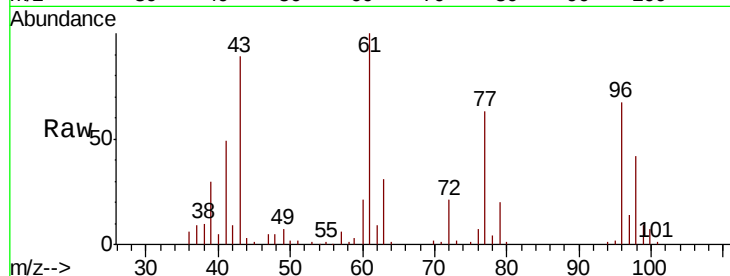
Tot Ion: 96 Resp: 93927

Ion Ratio Lower Upper

96 100

61 155.4 0.0 273.0

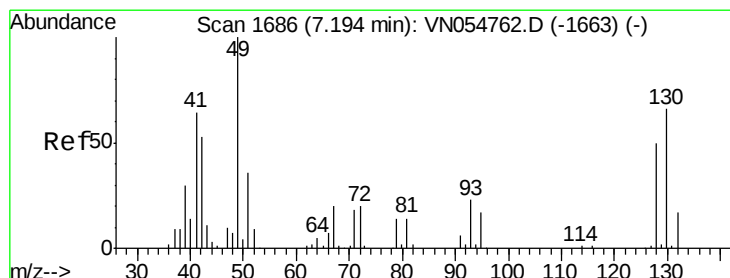
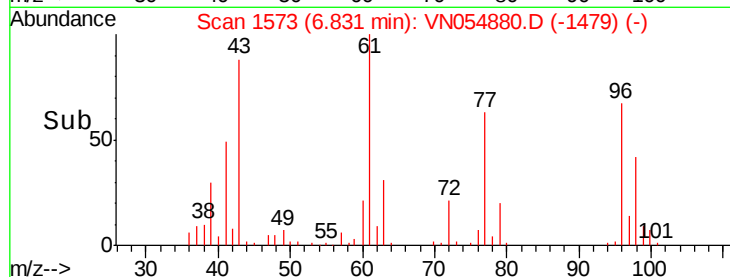
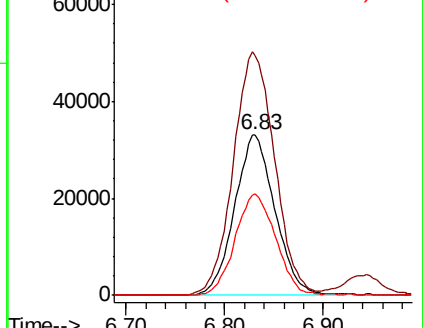
98 63.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.610 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

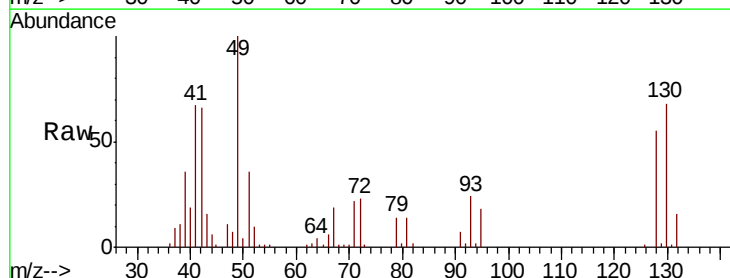
Tgt Ion: 49 Resp: 82465

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

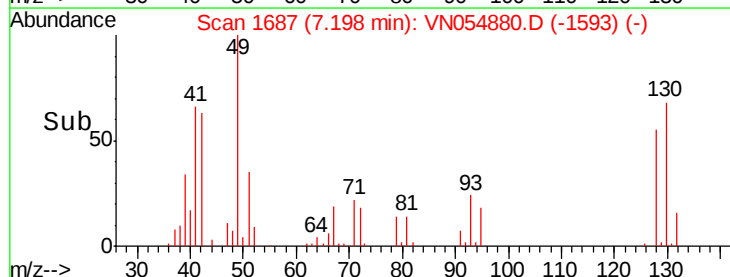
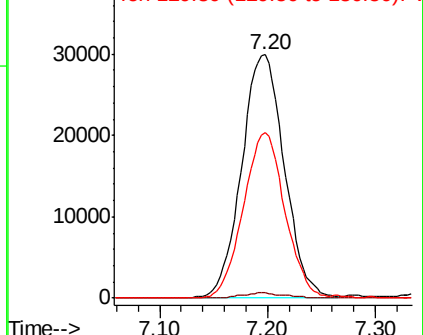
130 66.0 76.7 115.1#

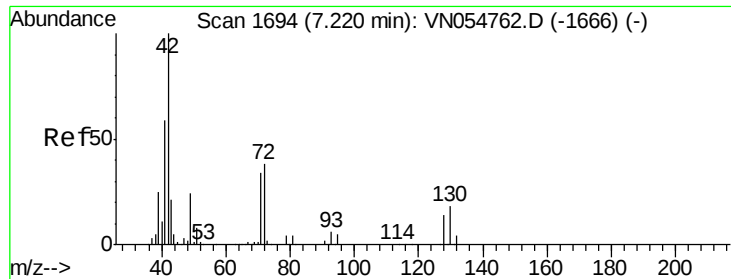


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

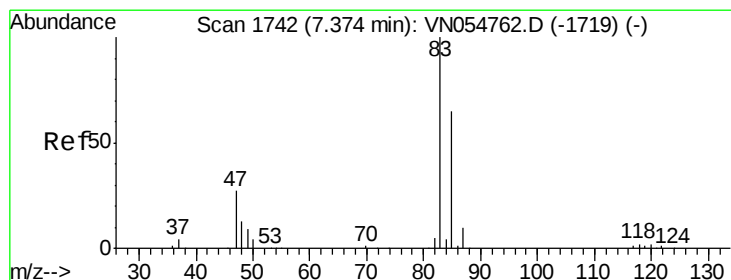
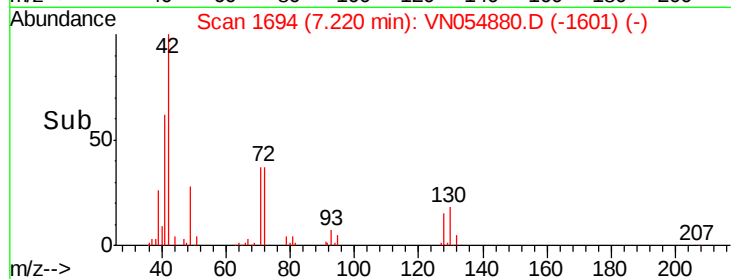
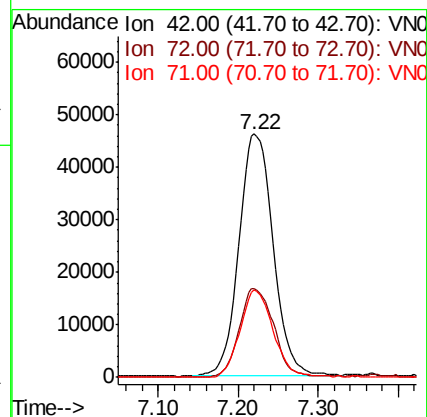
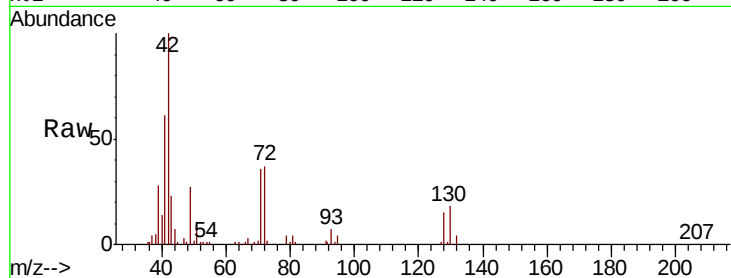




#29
Tetrahydrofuran
Concen: 107.678 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

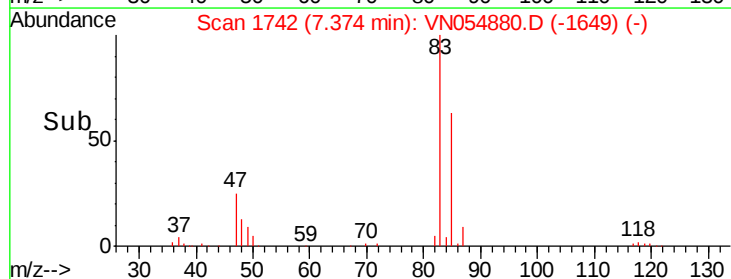
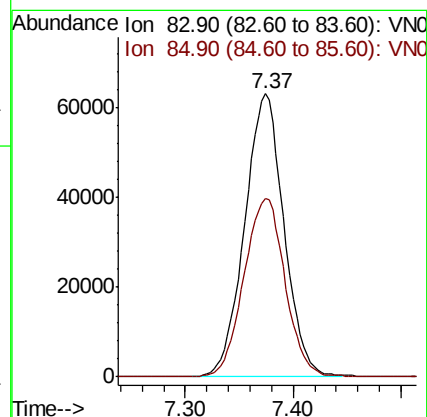
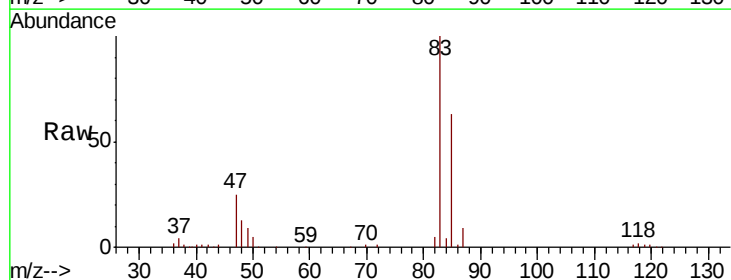
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

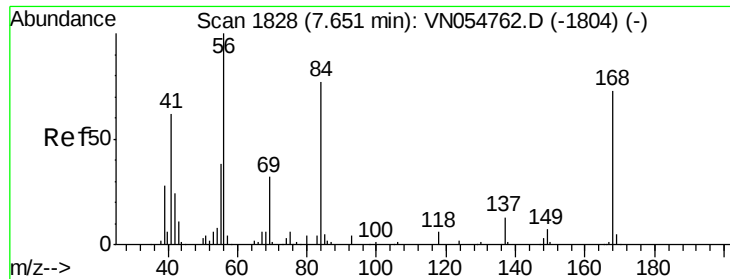
Tot Ion: 42 Resp: 132761
Ion Ratio Lower Upper
42 100
72 37.1 37.8 56.6#
71 34.9 36.2 54.2#



#30
Chloroform
Concen: 21.911 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 83 Resp: 159443
Ion Ratio Lower Upper
83 100
85 63.0 52.2 78.4

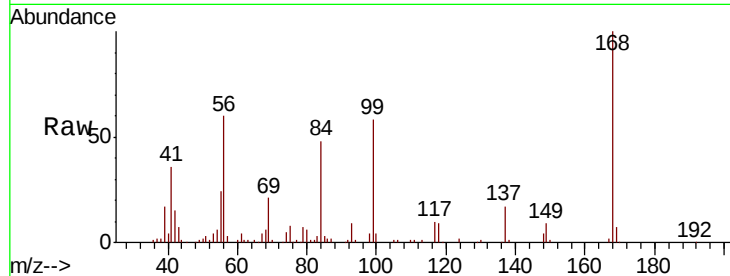




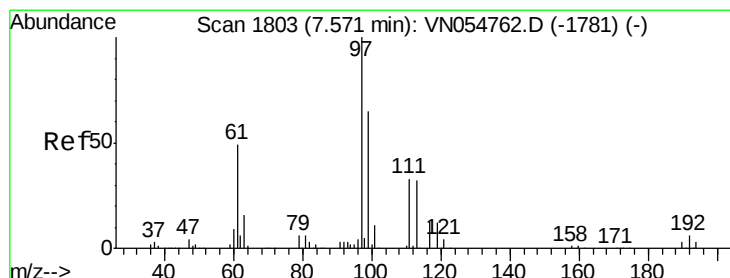
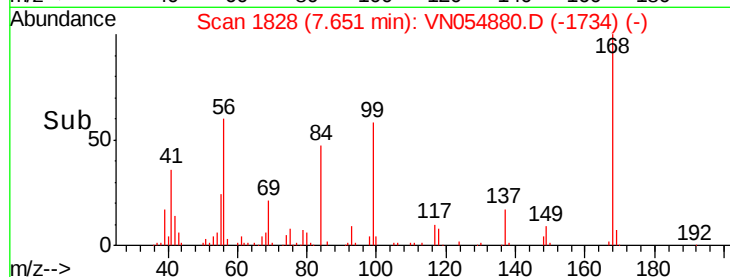
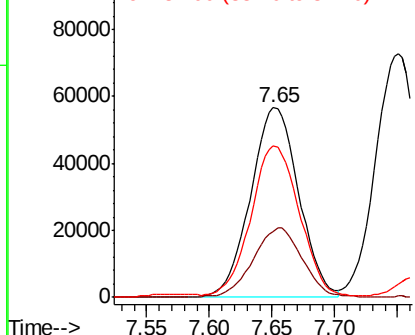
#31
Cyclohexane
Concen: 20.584 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion: 56 Resp: 151558
Ion Ratio Lower Upper
56 100
69 34.9 27.8 41.6
84 78.3 74.6 111.8

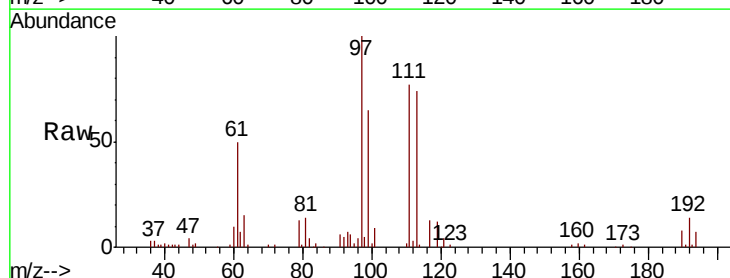


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

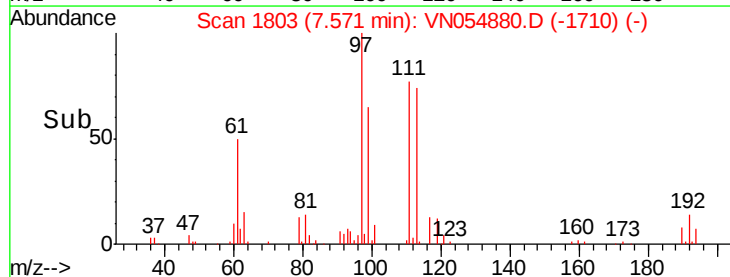
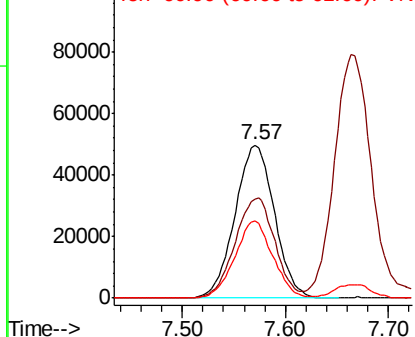


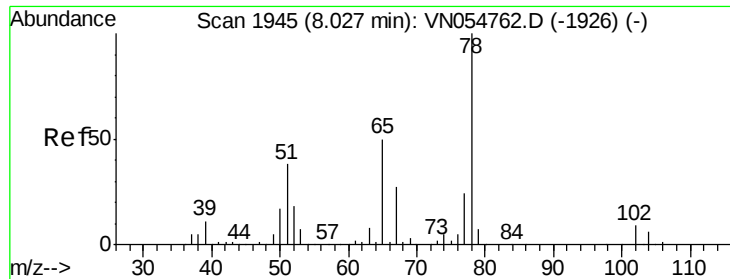
#32
1,1,1-Trichloroethane
Concen: 21.949 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 97 Resp: 132364
Ion Ratio Lower Upper
97 100
99 66.0 51.5 77.3
61 48.6 33.6 50.4



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

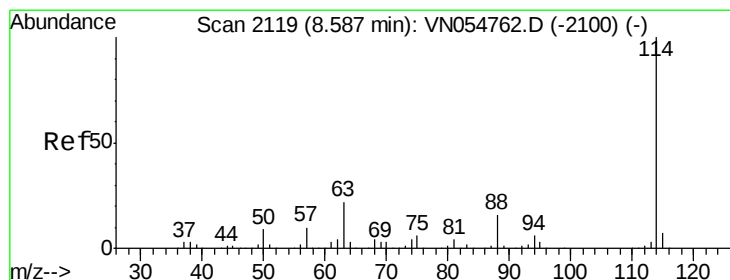
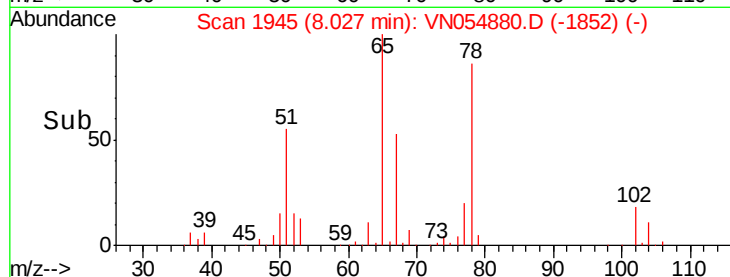
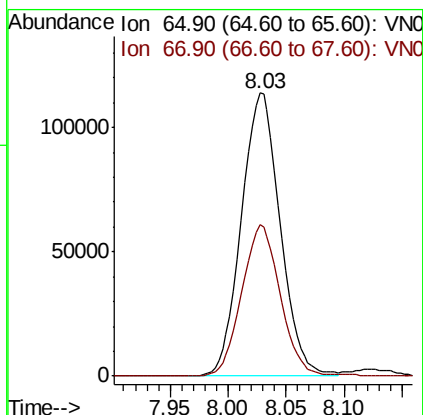
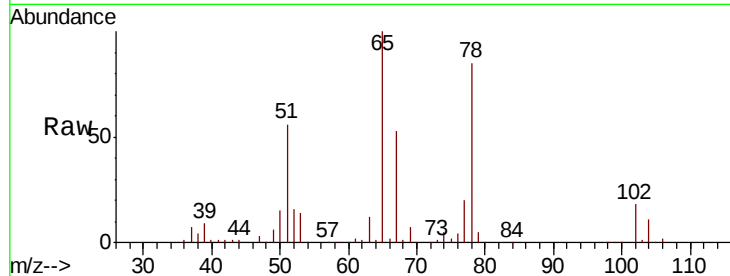




#33
 1,2-Dichloroethane-d4
 Concen: 52.848 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

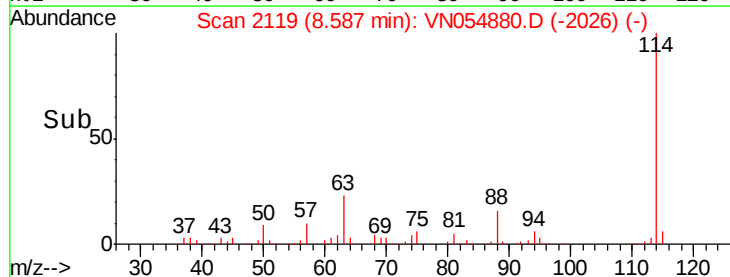
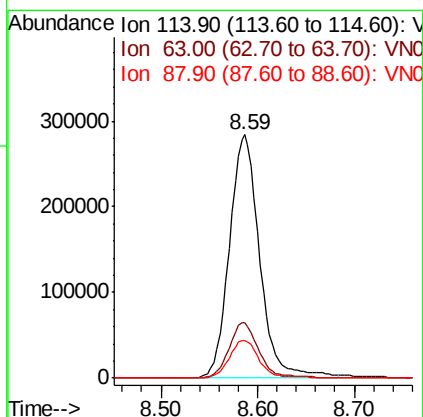
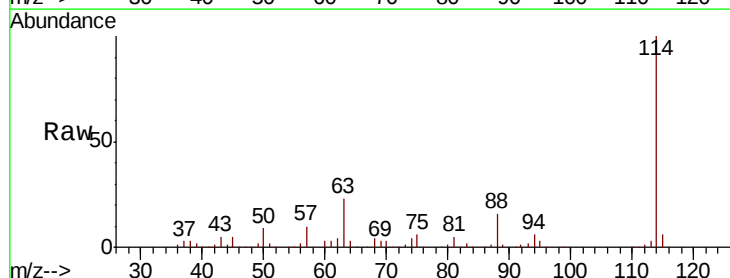
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

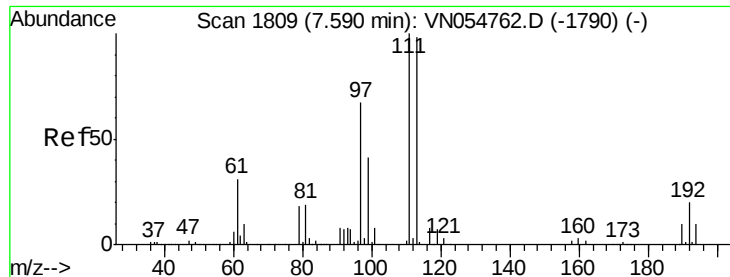
Tot Ion: 65 Resp: 266140
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 114 Resp: 616666
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 15.6 0.0 30.2

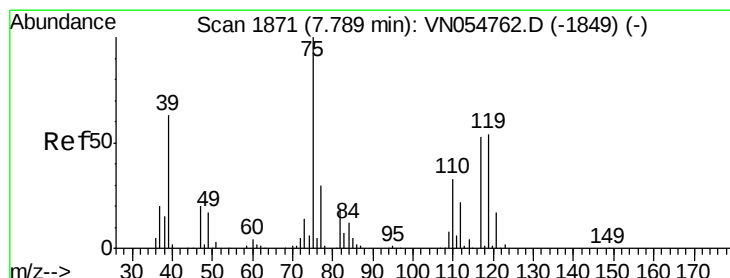
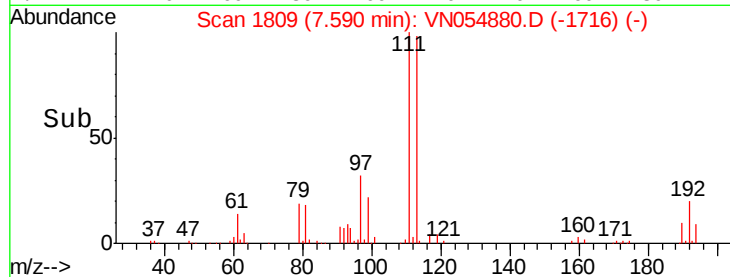
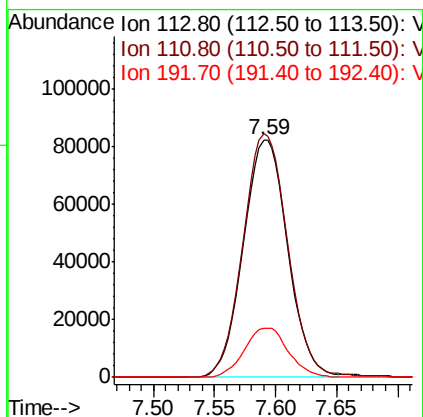
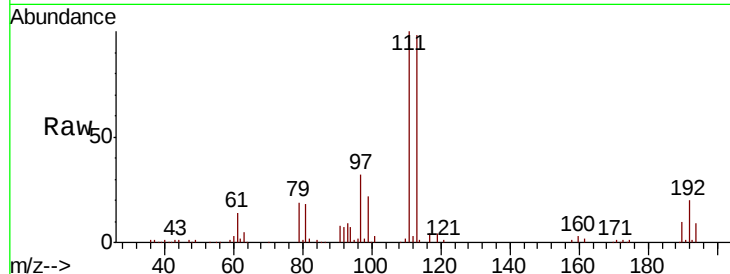




#35
 Dibromofluoromethane
 Concen: 50.444 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

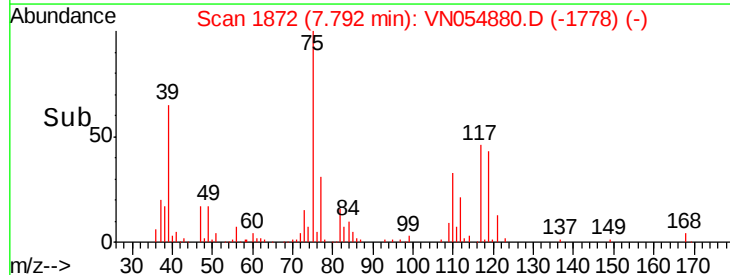
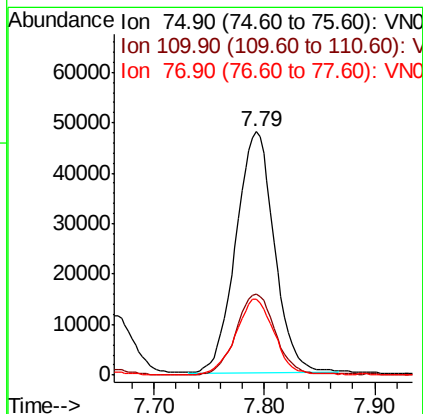
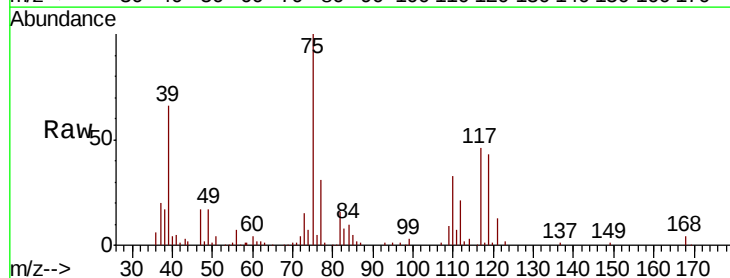
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

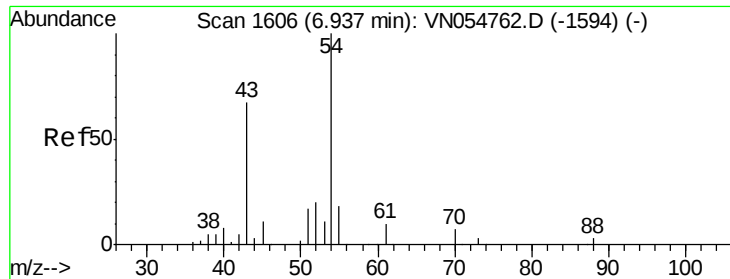
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	20.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.094 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.5
77	32.1	25.0	37.4

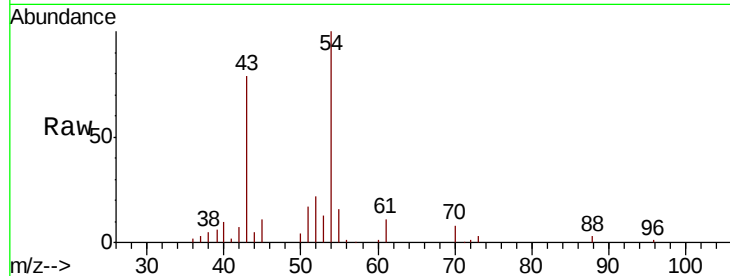




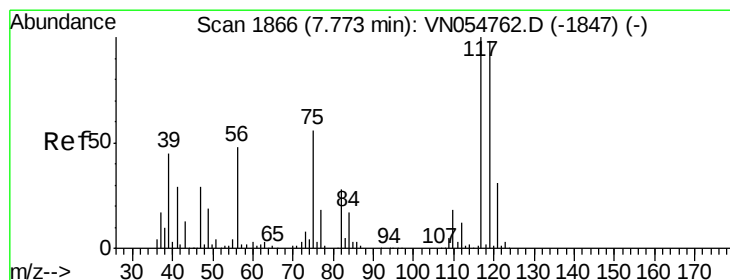
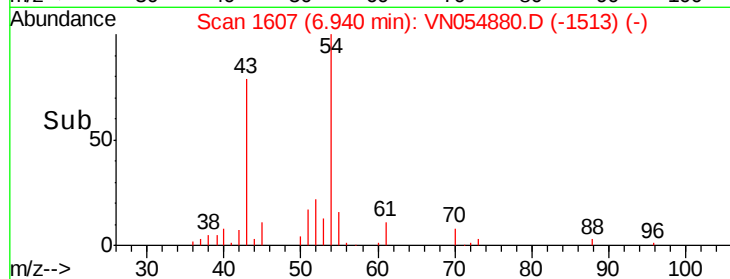
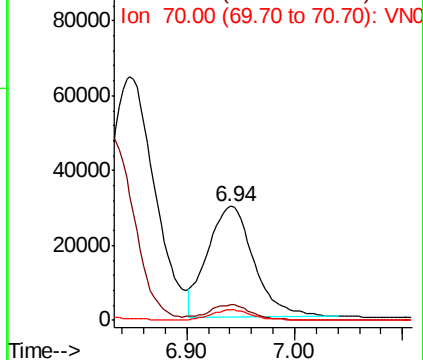
#37
Ethyl Acetate
Concen: 21.067 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion: 43 Resp: 88770
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 8.7 8.4 12.6

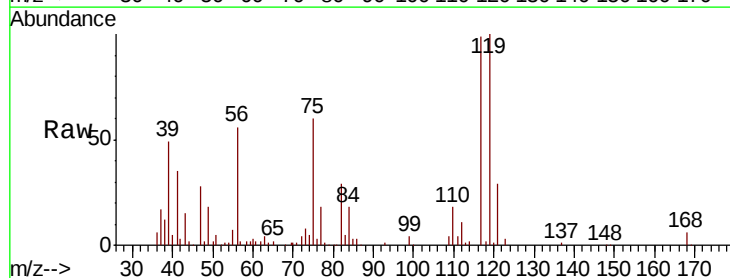


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

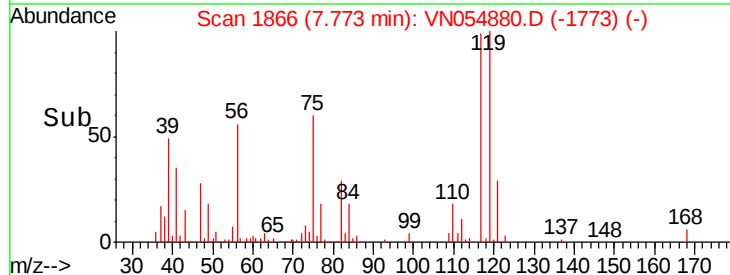
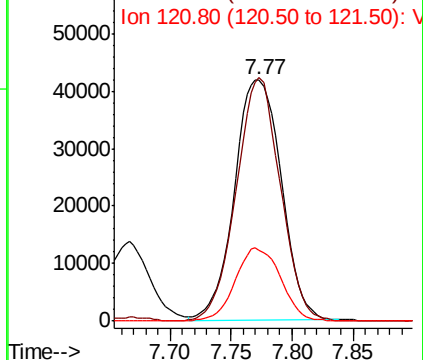


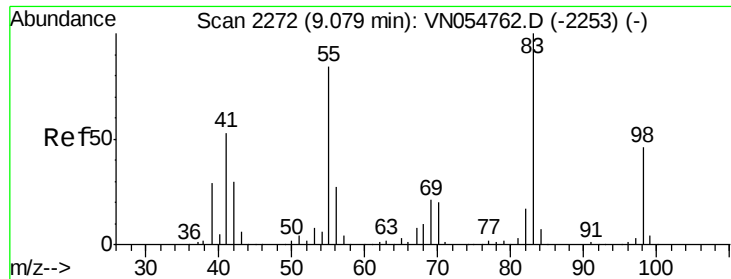
#38
Carbon Tetrachloride
Concen: 19.898 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 117 Resp: 111051
Ion Ratio Lower Upper
117 100
119 101.4 76.3 114.5
121 29.4 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

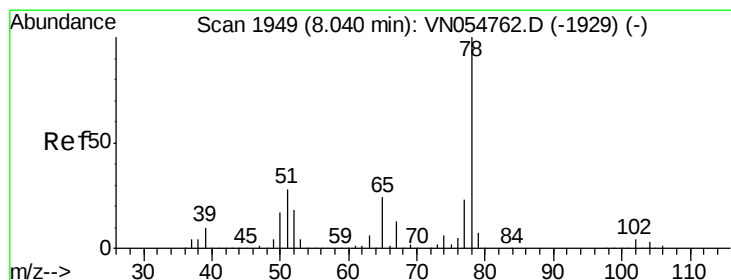
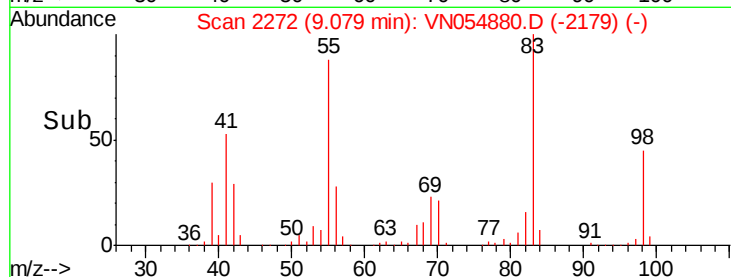
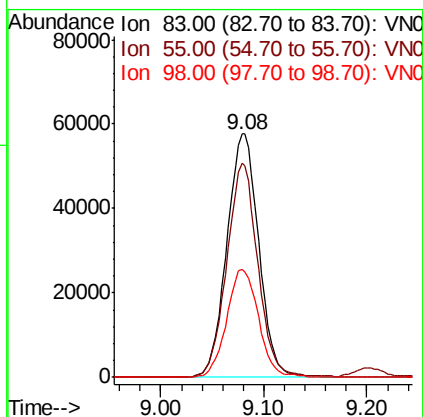
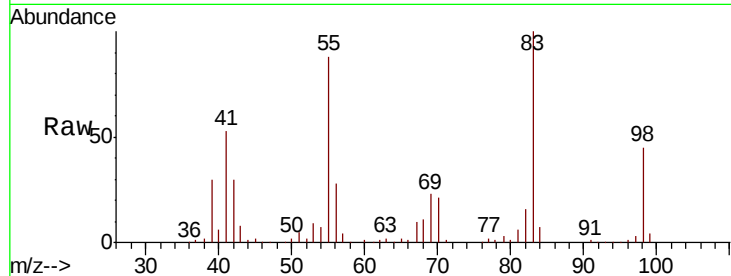




#39
Methvlcvclohexane
Concen: 19.649 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

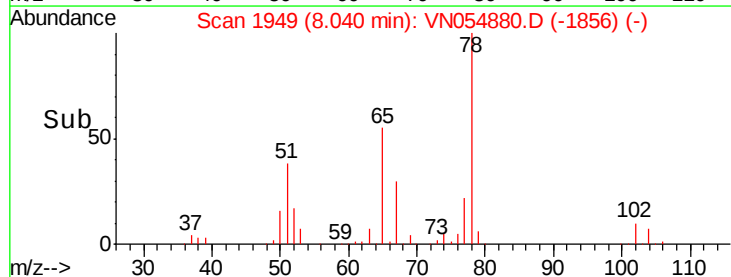
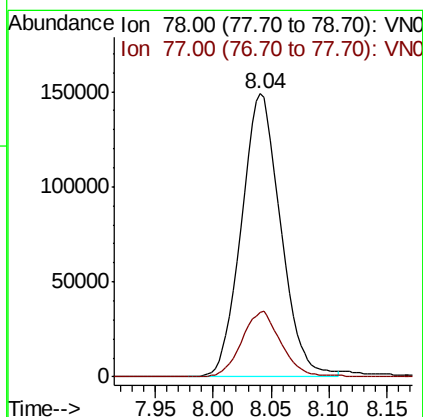
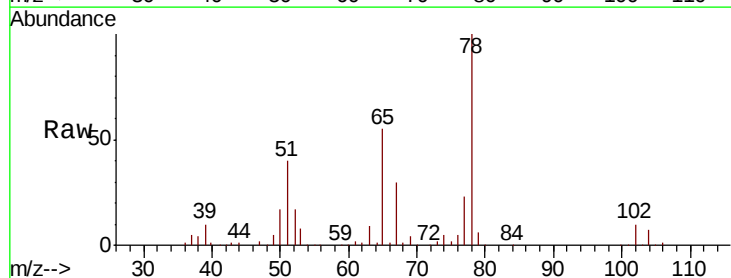
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

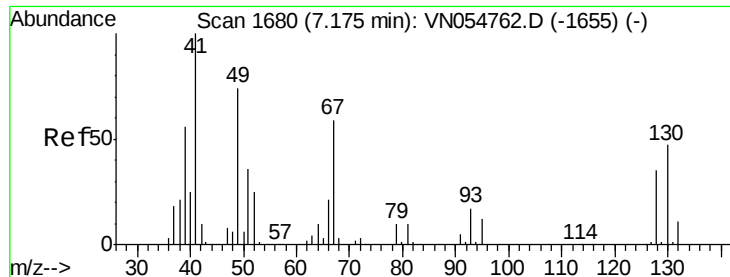
Tot Ion: 83 Resp: 124127
Ion Ratio Lower Upper
83 100
55 87.4 56.6 84.8#
98 44.6 38.4 57.6



#40
Benzene
Concen: 21.361 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 78 Resp: 351211
Ion Ratio Lower Upper
78 100
77 22.6 19.1 28.7

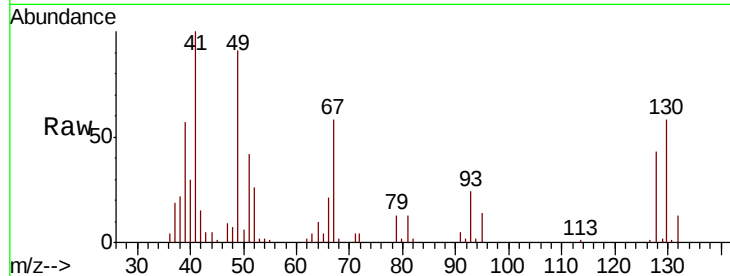




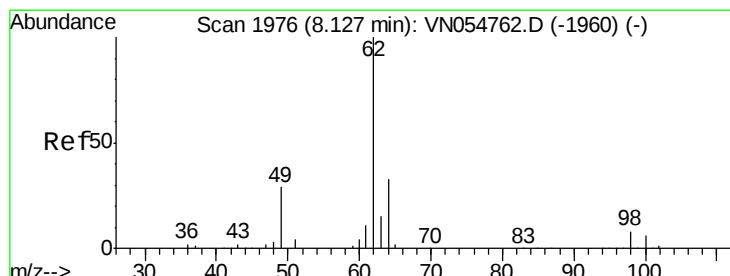
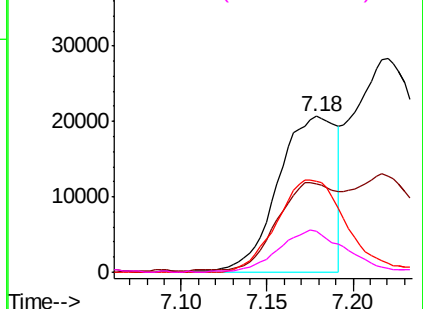
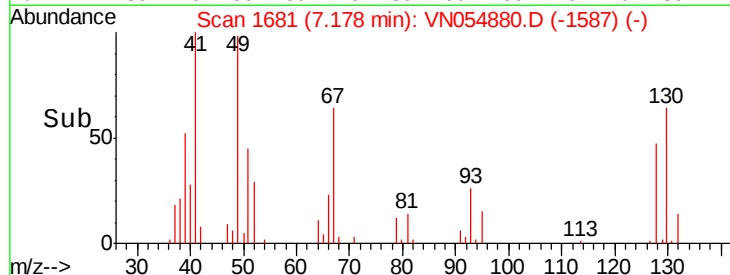
#41
Methacrylonitrile
Concen: 20.618 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion: 41 Resp: 48805
Ion Ratio Lower Upper
41 100
39 58.7 46.8 70.2
67 70.9 67.0 100.4
52 31.5 26.5 39.7

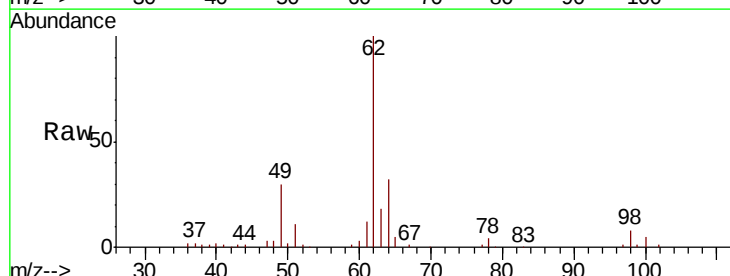


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

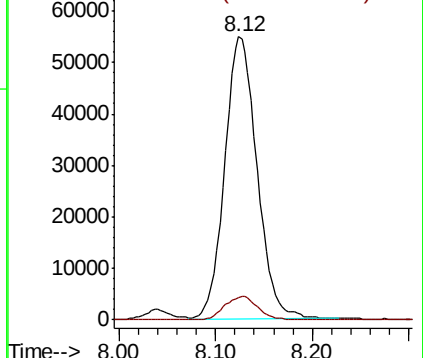
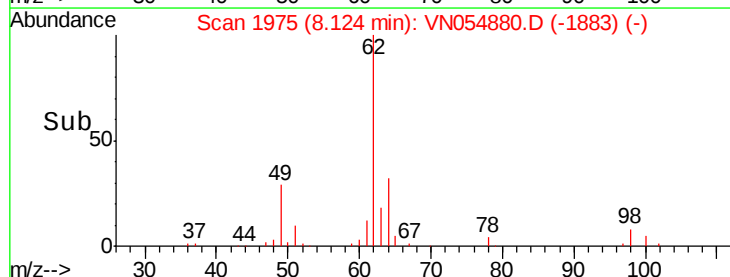


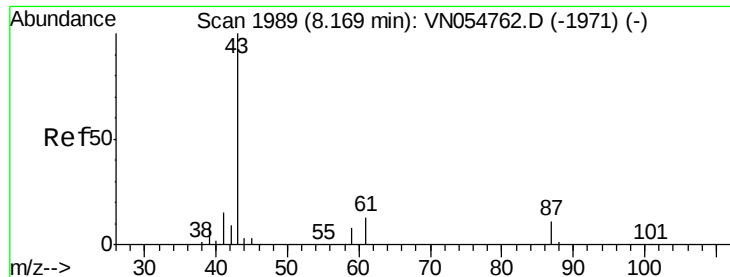
#42
1,2-Dichloroethane
Concen: 21.647 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 62 Resp: 127084
Ion Ratio Lower Upper
62 100
98 8.5 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 21.667 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

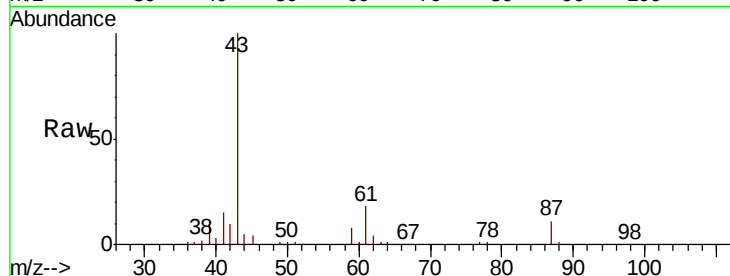
Tot Ion: 43 Resp: 148353

Ion Ratio Lower Upper

43 100

61 18.7 15.8 23.8

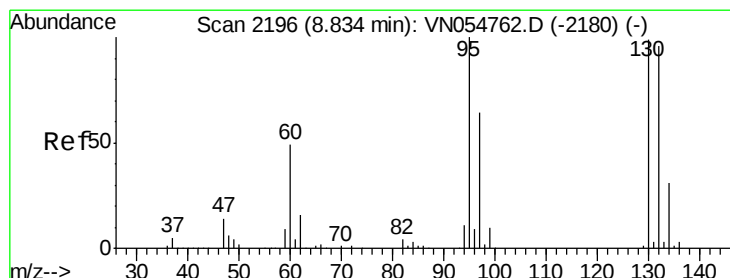
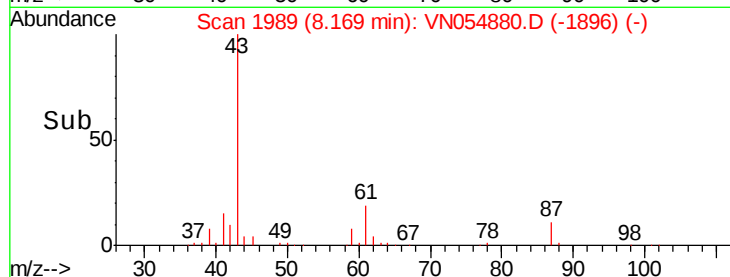
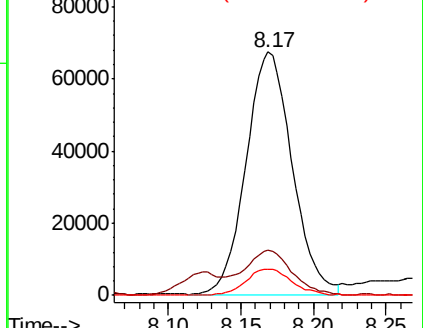
87 10.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054880.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054880.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054880.D (-1896) (-)



#44

Trichloroethene

Concen: 20.589 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054880.D

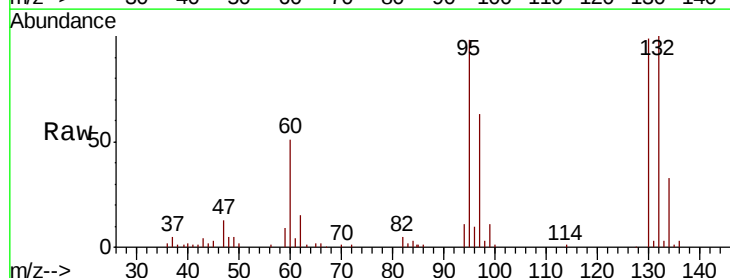
Acq: 1 Apr 2019 17:42

Tgt Ion:130 Resp: 87878

Ion Ratio Lower Upper

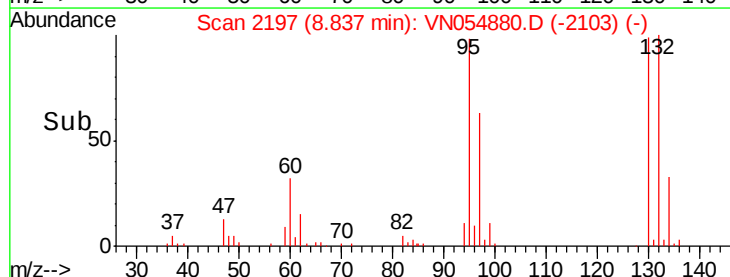
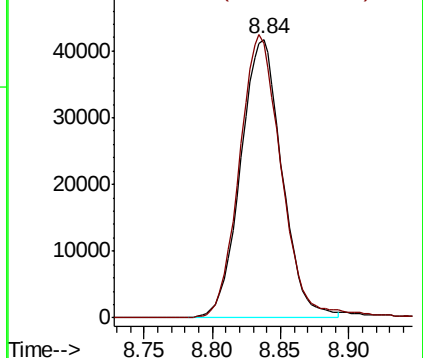
130 100

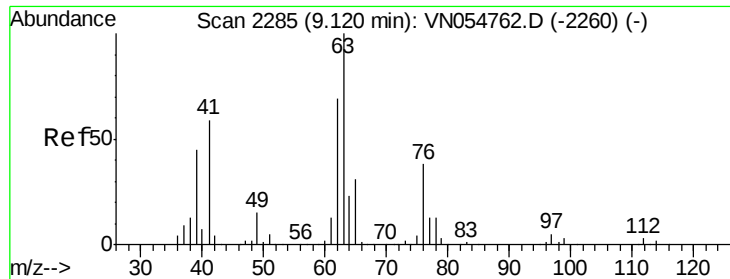
95 98.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054880.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054880.D (-2103) (-)

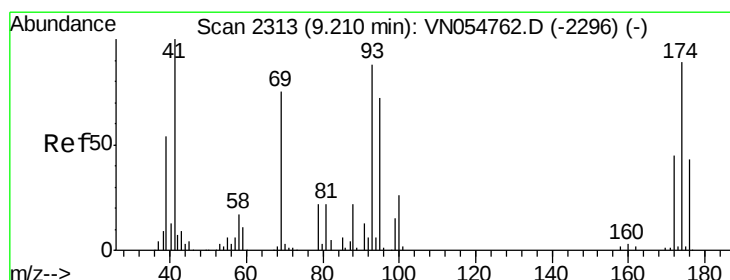
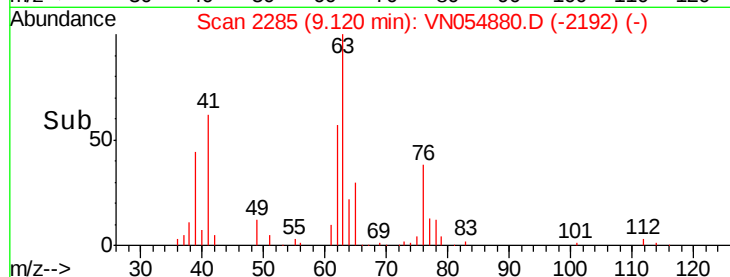
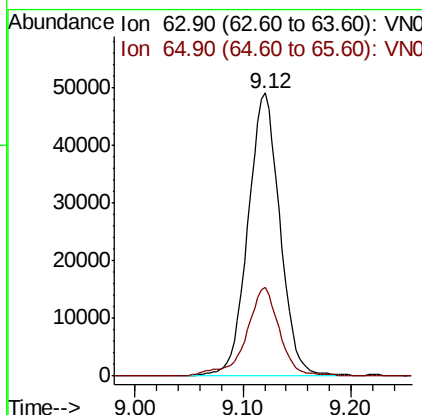
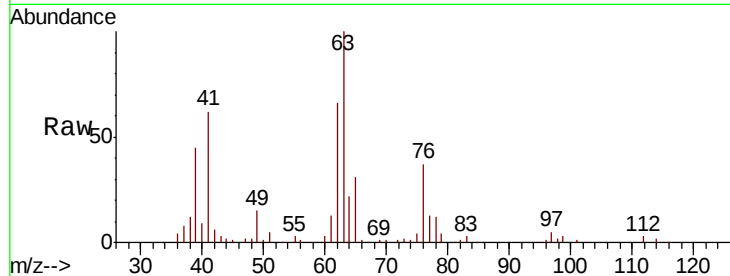




#45
 1,2-Dichloropropane
 Concen: 21.546 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

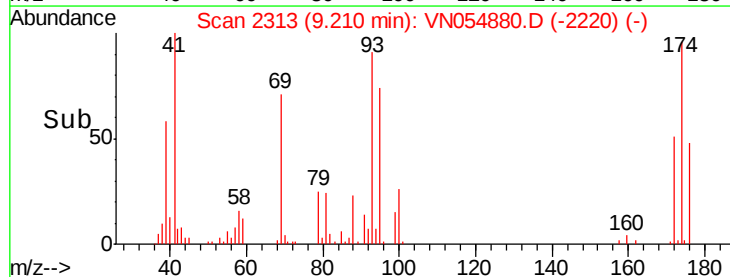
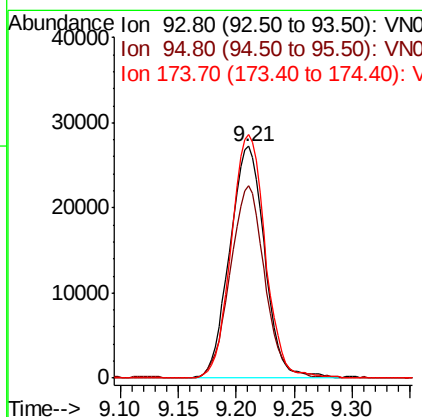
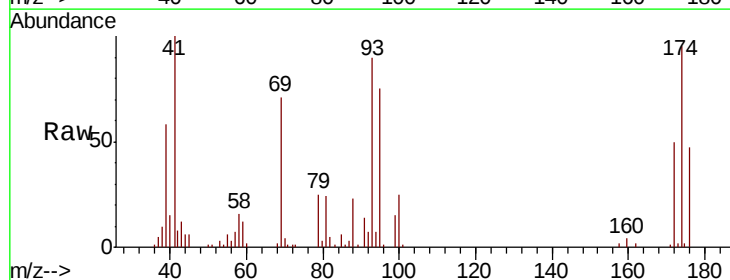
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

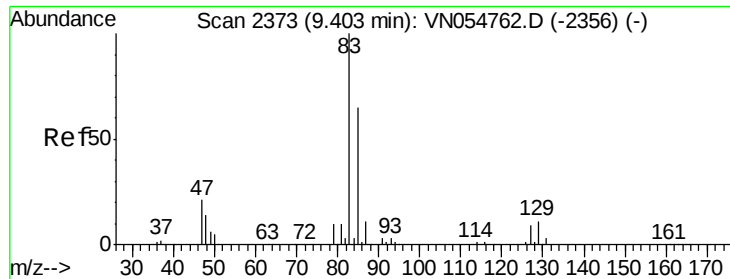
Tot Ion: 63 Resp: 101012
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 21.529 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 93 Resp: 56779
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.7 100.1
 174 102.6 98.5 147.7





#47

Bromodichloromethane

Concen: 21.326 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

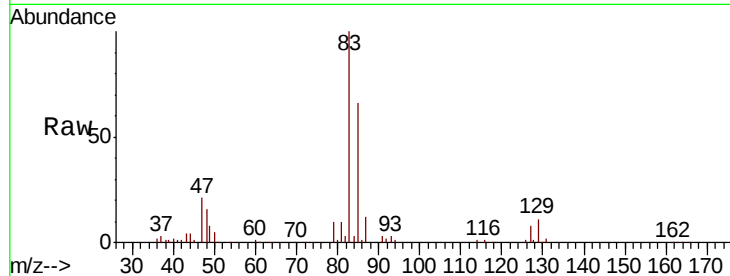
Tot Ion: 83 Resp: 116891

Ion Ratio Lower Upper

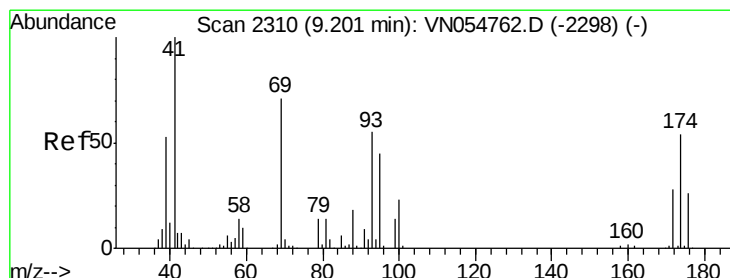
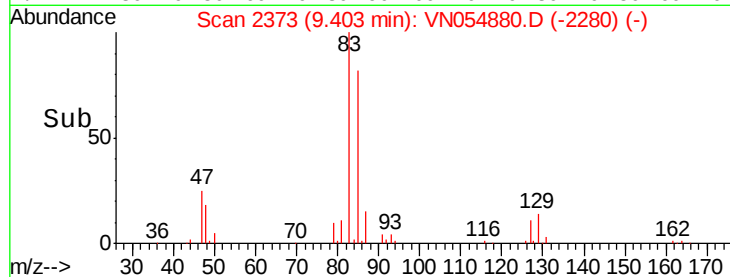
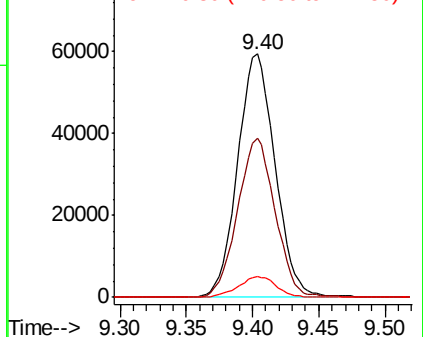
83 100

85 65.6 52.8 79.2

127 8.4 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.468 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

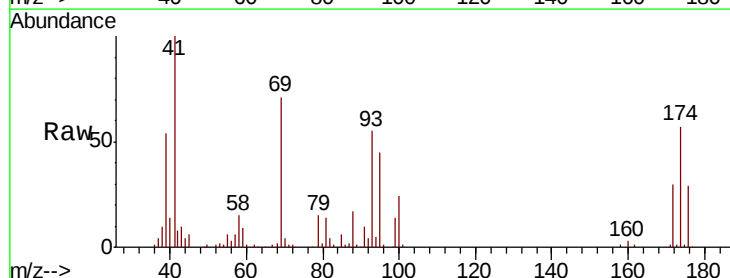
Tgt Ion: 41 Resp: 75966

Ion Ratio Lower Upper

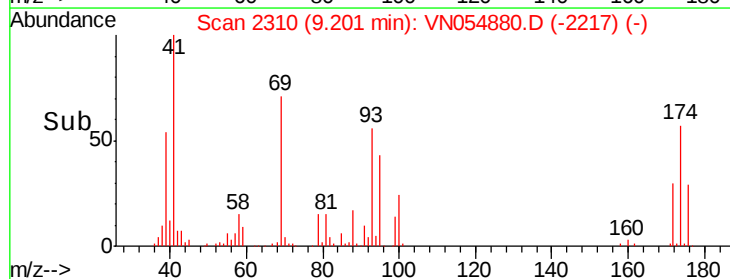
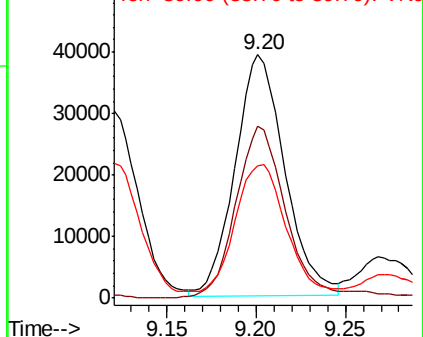
41 100

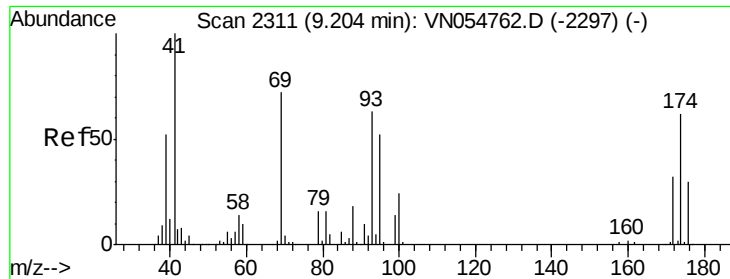
69 70.8 72.6 108.8#

39 56.4 47.5 71.3



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





#49

1,4-Dioxane

Concen: 426.979 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

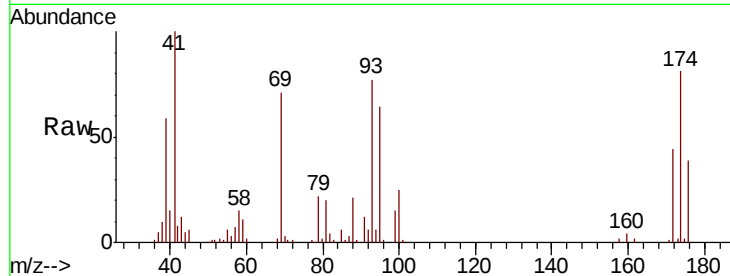
Tot Ion: 88 Resp: 15724

Ion Ratio Lower Upper

88 100

43 43.7 24.1 36.1#

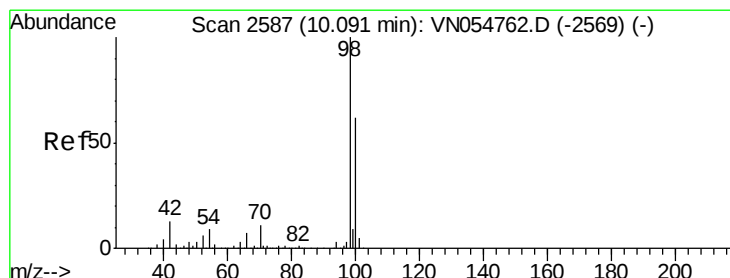
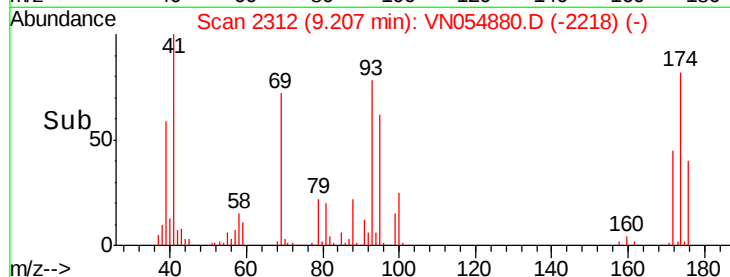
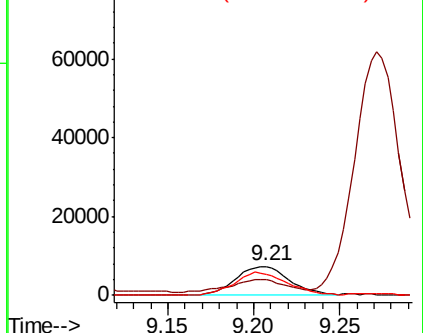
58 79.8 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054762.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054762.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2297) (-)



#50

Toluene-d8

Concen: 50.918 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054880.D

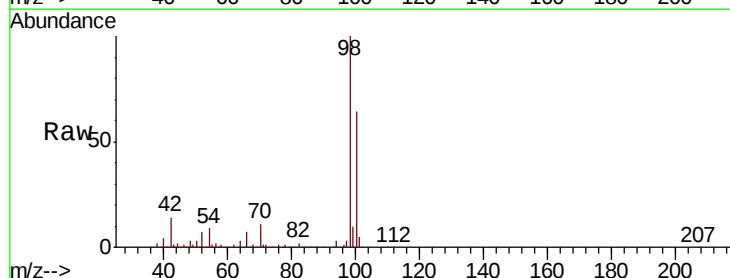
Acq: 1 Apr 2019 17:42

Tgt Ion: 98 Resp: 778263

Ion Ratio Lower Upper

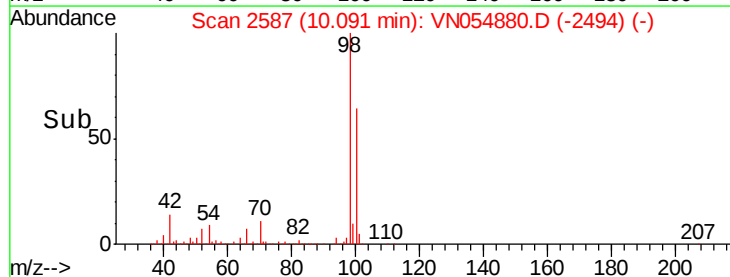
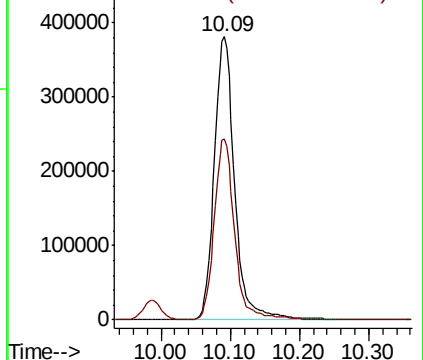
98 100

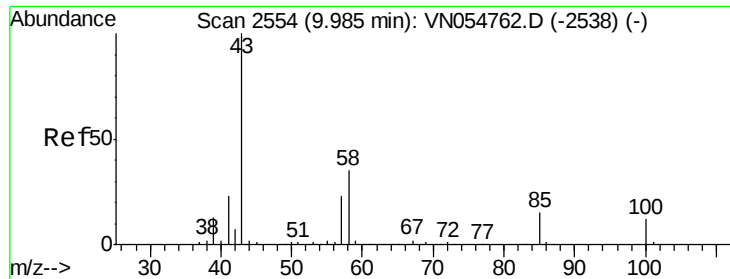
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 110.124 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

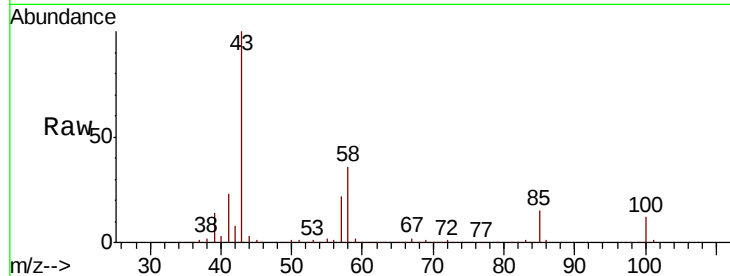
VN0401WBSD01

Tot Ion: 43 Resp: 423918

Ion Ratio Lower Upper

43 100

58 34.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

250000

200000

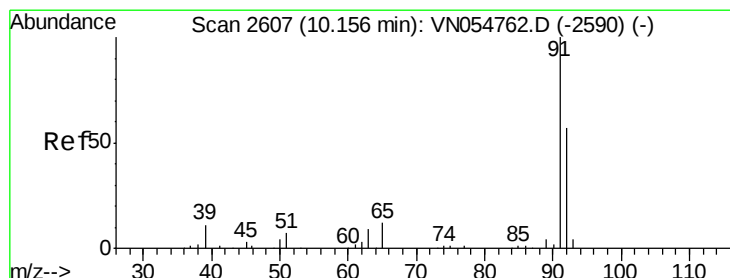
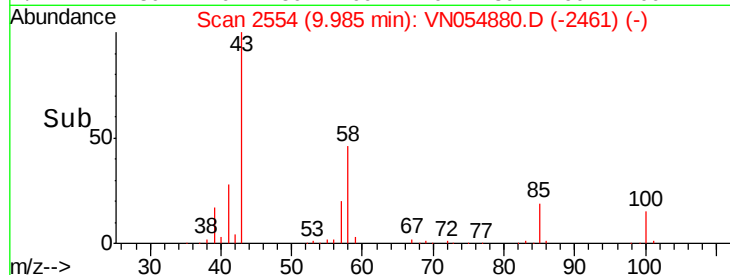
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.493 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054880.D

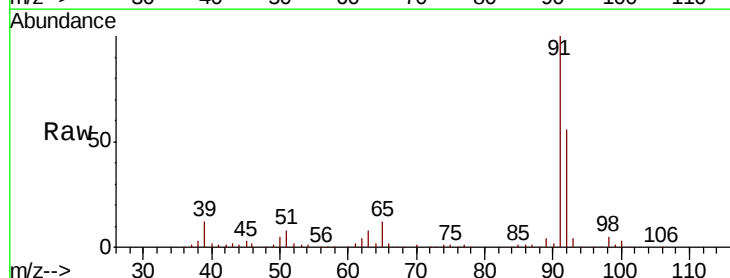
Acq: 1 Apr 2019 17:42

Tgt Ion: 92 Resp: 210281

Ion Ratio Lower Upper

92 100

91 176.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

200000

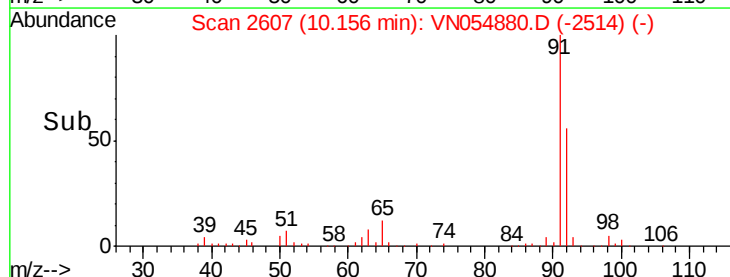
150000

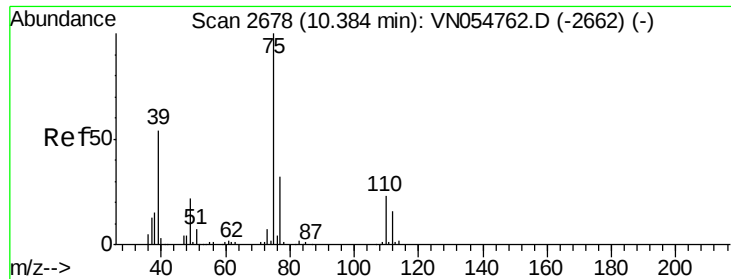
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

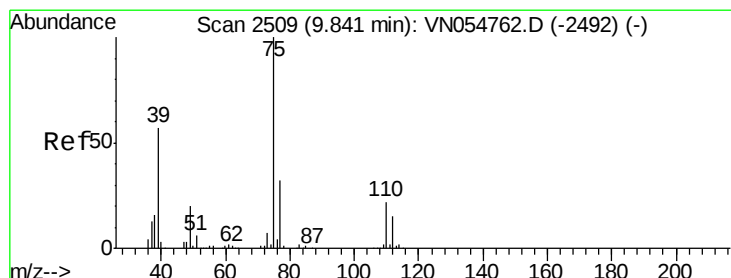
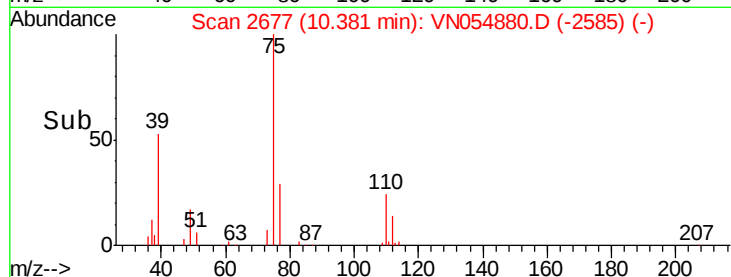
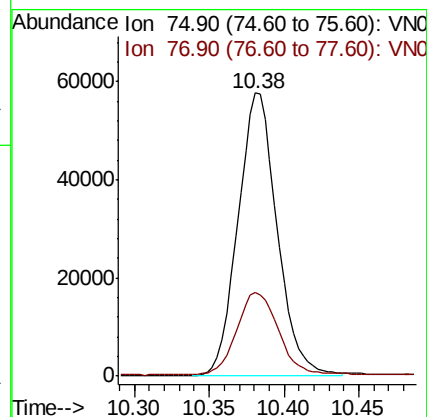
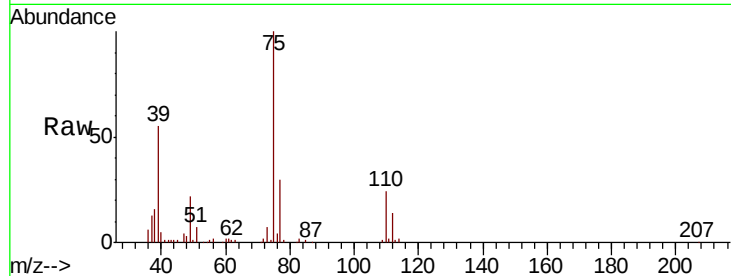
VN0401WBSD01

Tot Ion: 75 Resp: 105252

Ion Ratio Lower Upper

75 100

77 29.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.119 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

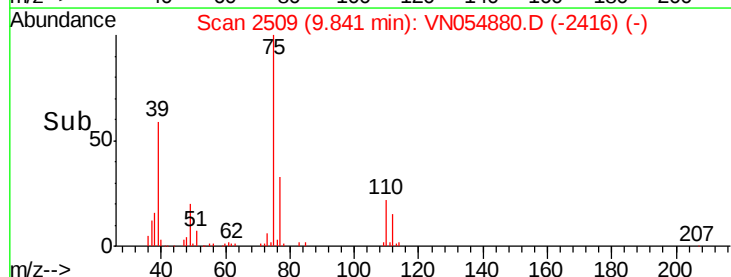
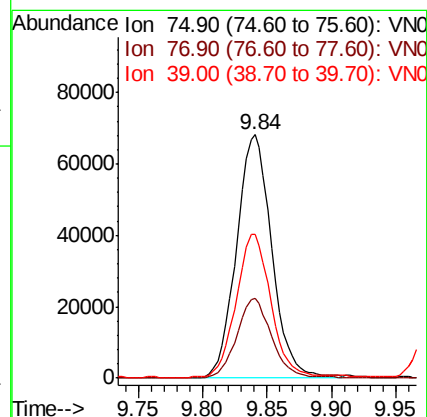
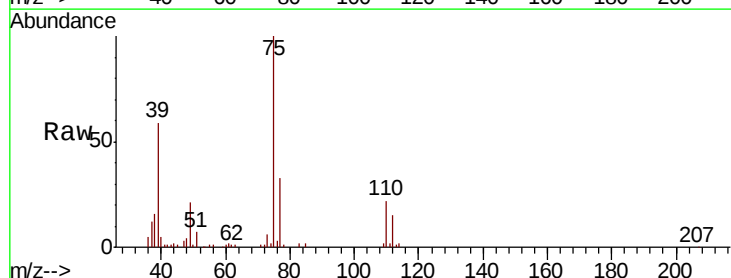
Tgt Ion: 75 Resp: 130071

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 58.5 37.2 55.8#

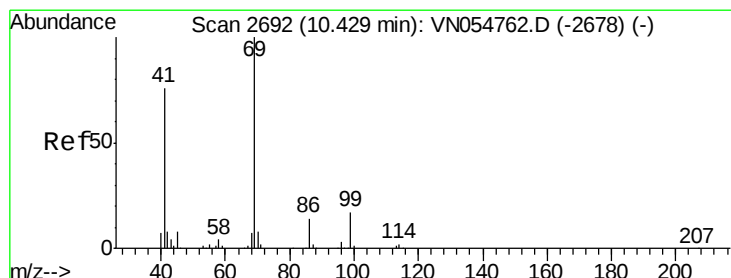
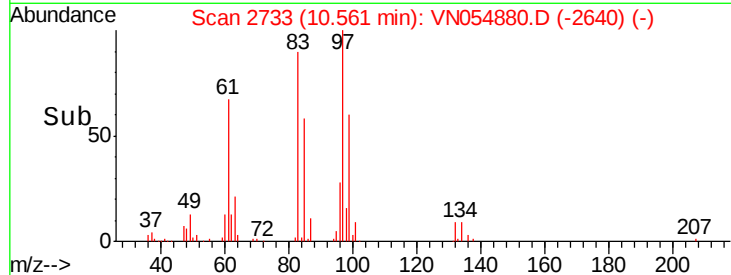
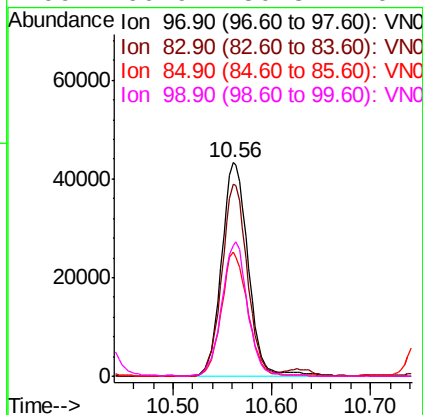
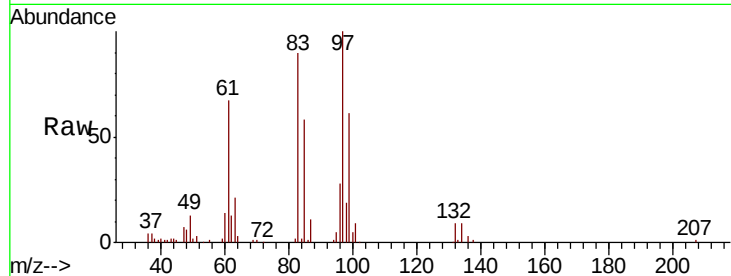




#55
 1,1,2-Trichloroethane
 Concen: 22.493 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

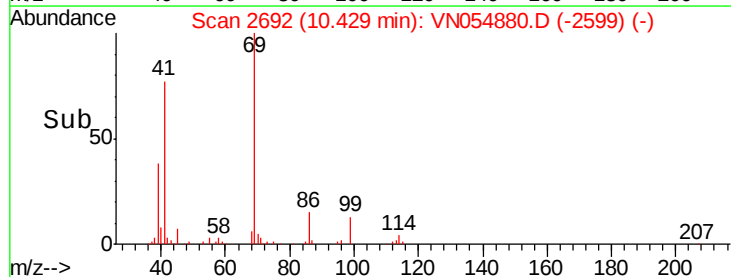
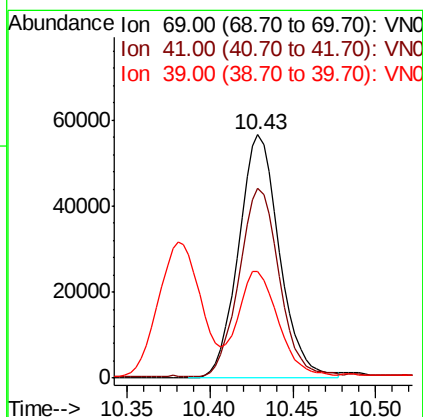
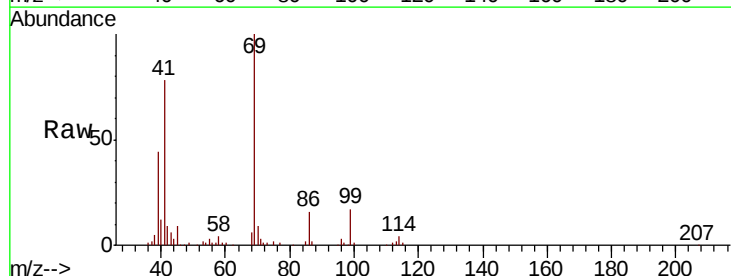
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

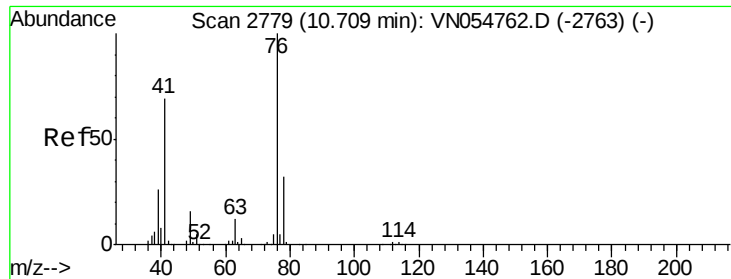
Tot Ion:	97	Resp:	81827
Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.6	100.0
85	58.1	44.4	66.6
99	60.9	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.364 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion:	69	Resp:	97181
Ion	Ratio	Lower	Upper
69	100		
41	76.4	49.4	74.2#
39	41.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.910 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

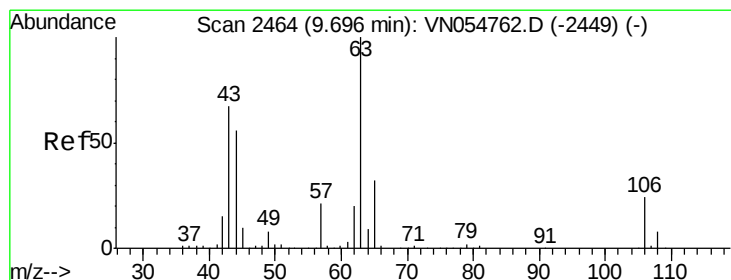
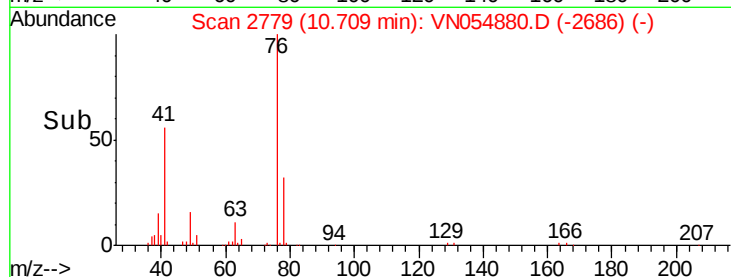
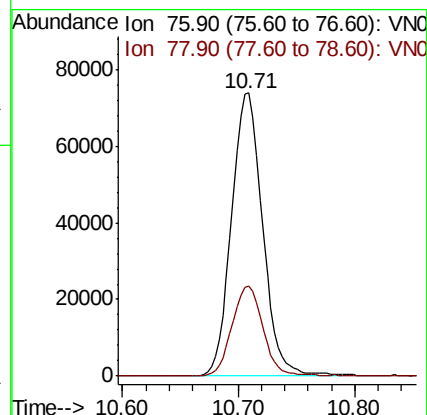
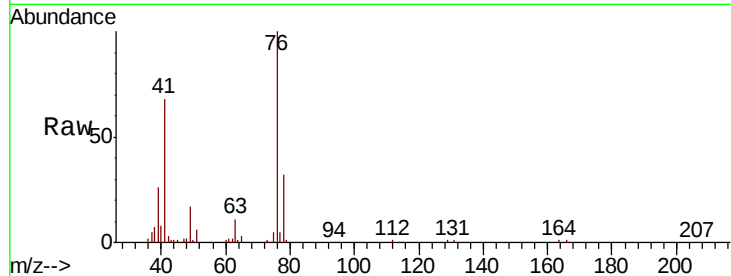
VN0401WBSD01

Tot Ion: 76 Resp: 137034

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 95.329 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054880.D

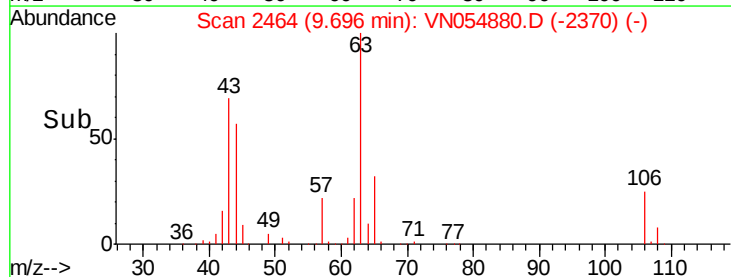
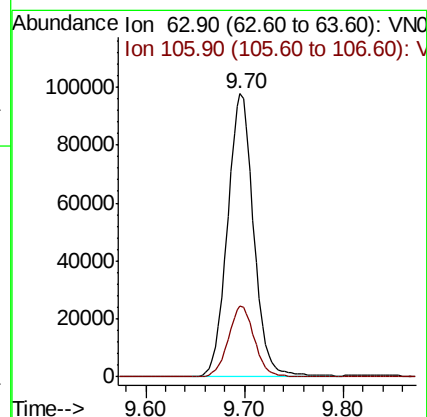
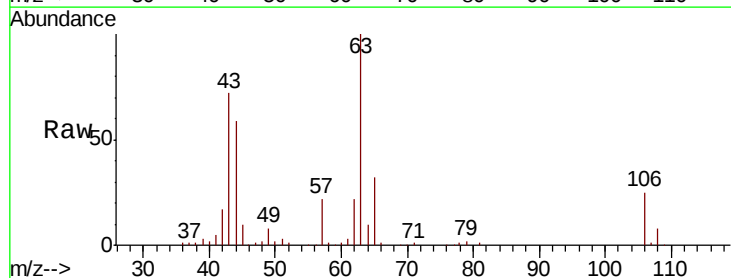
Acq: 1 Apr 2019 17:42

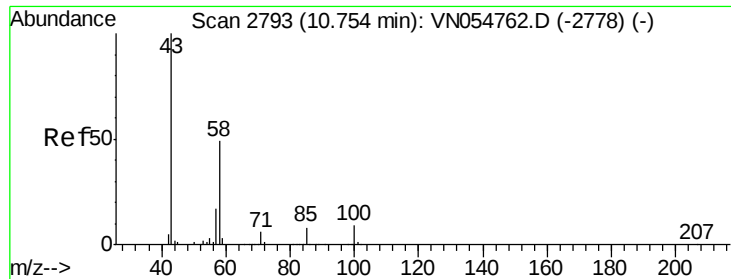
Tgt Ion: 63 Resp: 182227

Ion Ratio Lower Upper

63 100

106 24.9 24.4 36.6

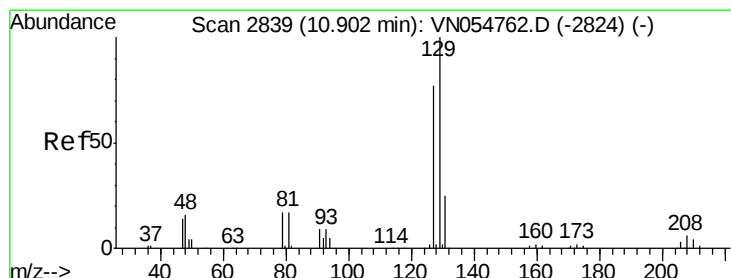
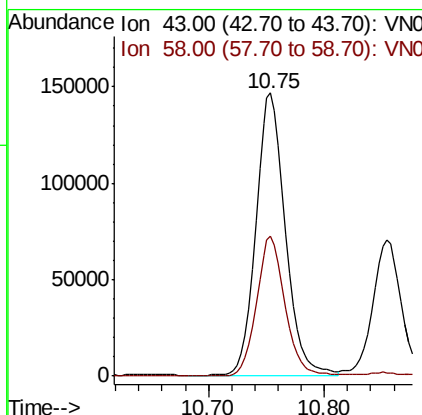
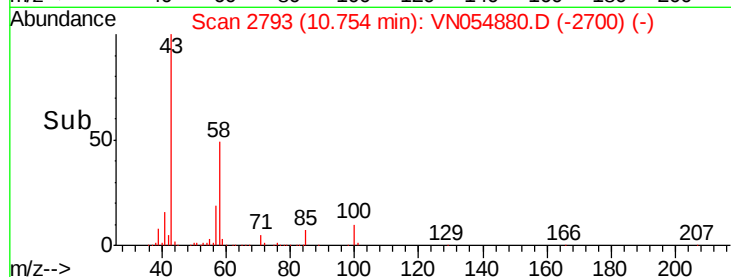
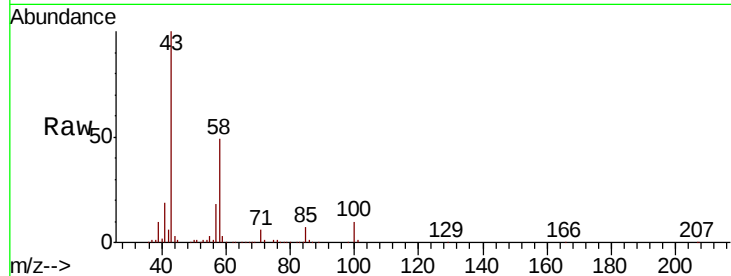




#59
2-Hexanone
Concen: 104.875 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

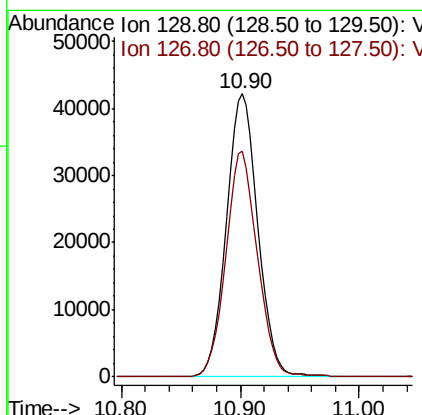
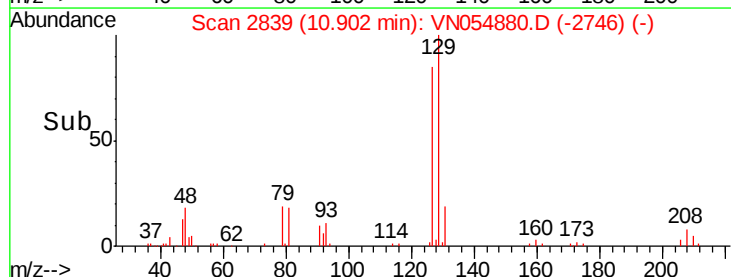
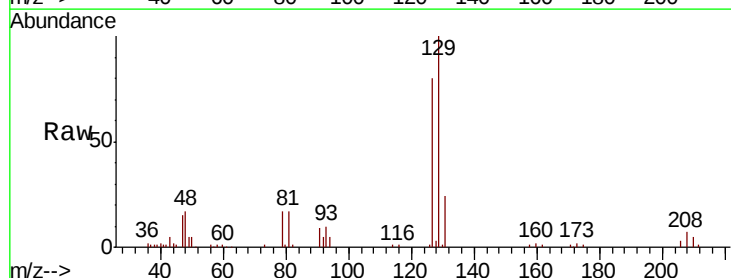
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

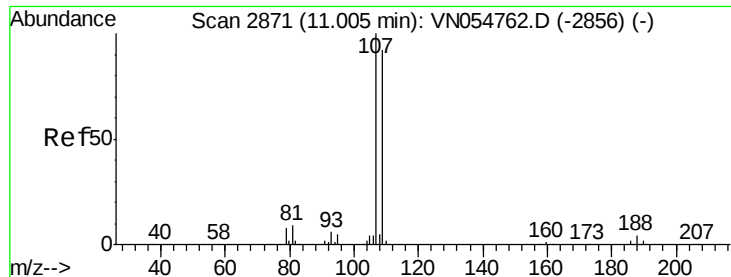
Tot Ion: 43 Resp: 258439
Ion Ratio Lower Upper
43 100
58 48.6 28.0 83.9



#60
Dibromochloromethane
Concen: 20.910 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 129 Resp: 77056
Ion Ratio Lower Upper
129 100
127 80.0 38.6 115.8

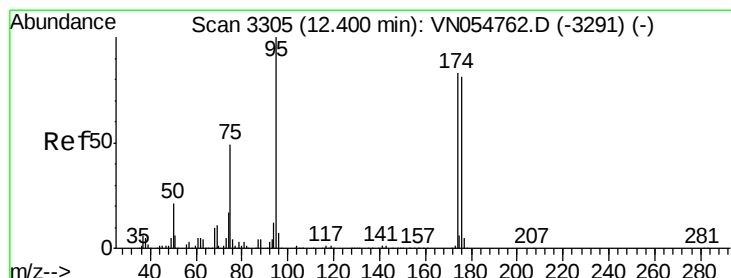
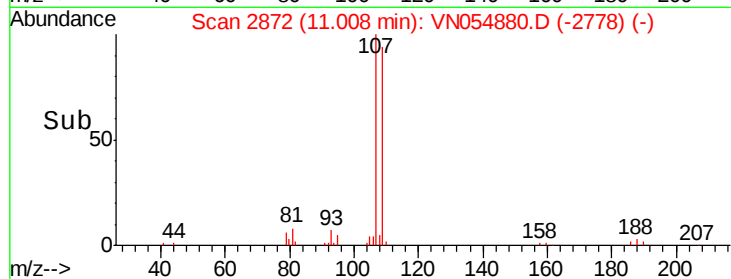
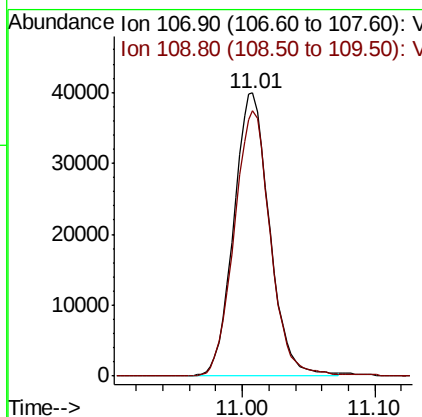
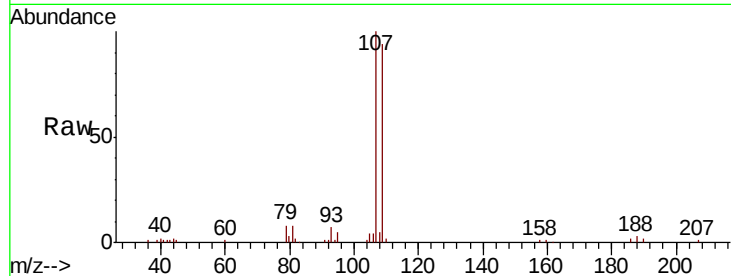




#61
 1,2-Dibromoethane
 Concen: 21.492 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

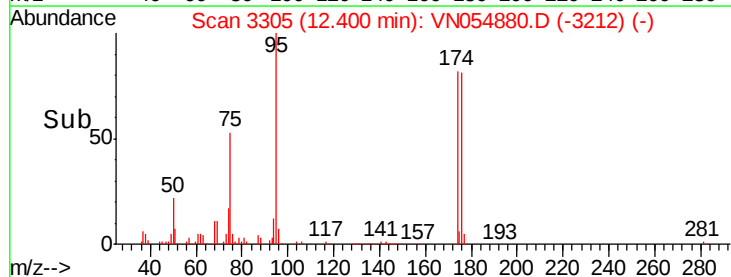
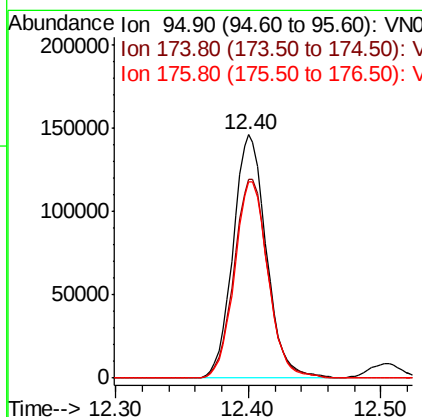
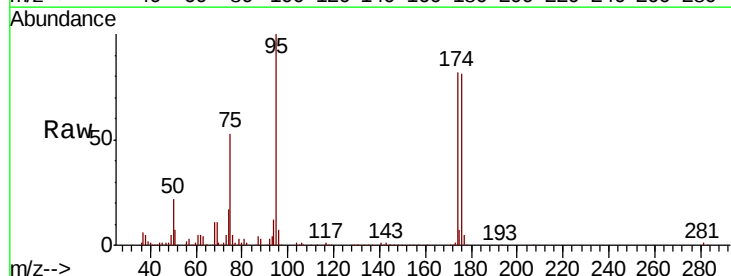
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

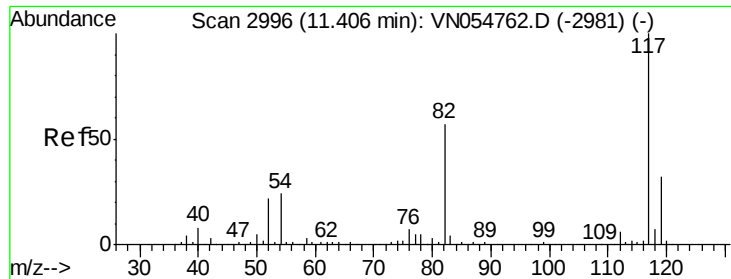
Tot Ion:107 Resp: 74720
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.942 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 95 Resp: 253874
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 191.0
 176 81.4 0.0 187.4

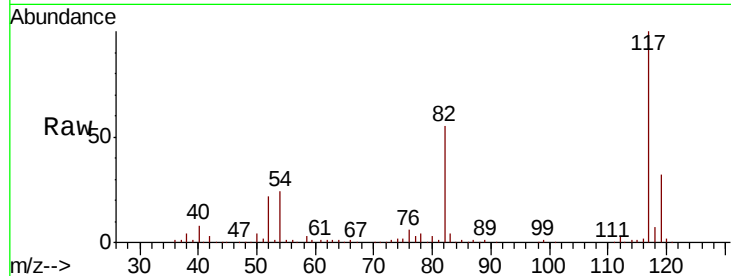




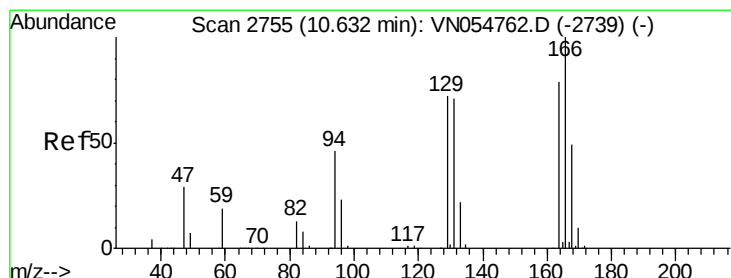
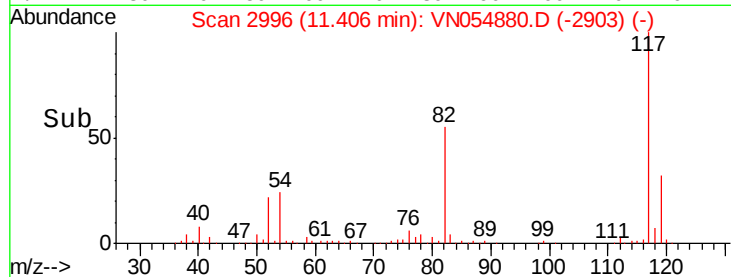
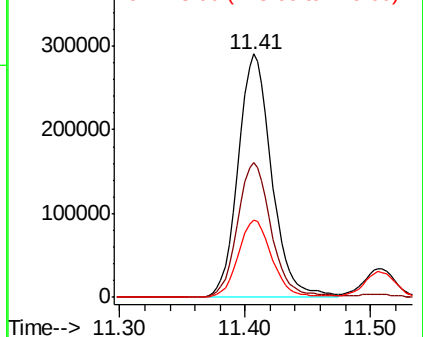
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion:117 Resp: 540736
Ion Ratio Lower Upper
117 100
82 55.3 40.0 60.0
119 31.8 25.8 38.6

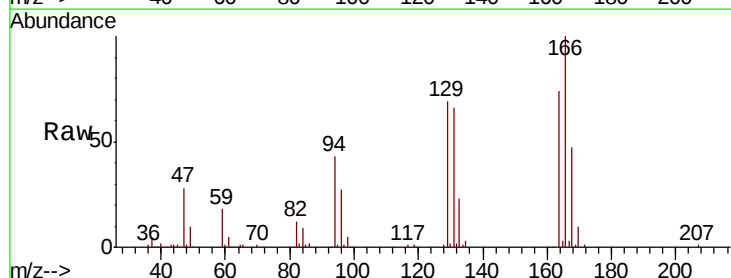


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

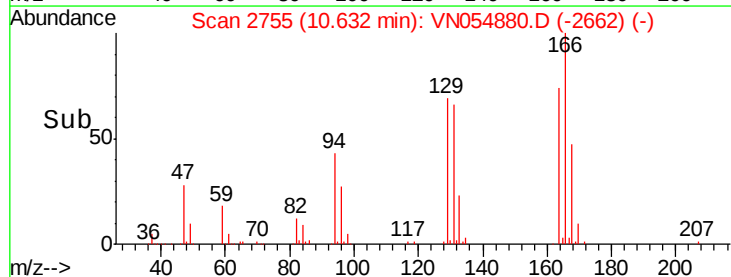
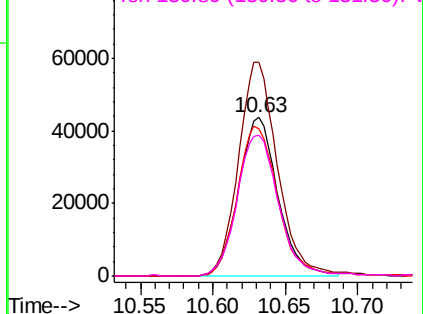


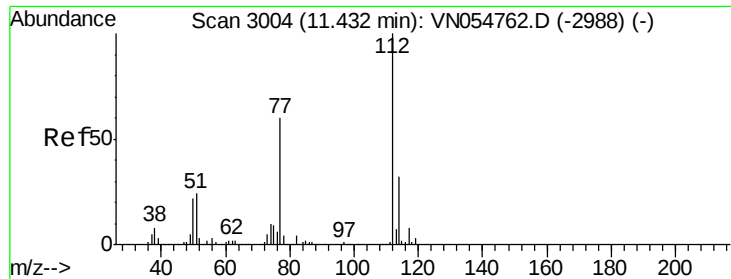
#64
Tetrachloroethene
Concen: 19.825 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion:164 Resp: 82263
Ion Ratio Lower Upper
164 100
166 135.1 103.9 155.9
129 93.2 71.1 106.7
131 89.4 68.2 102.4



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

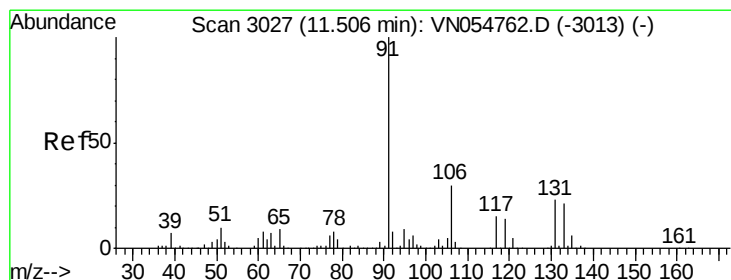
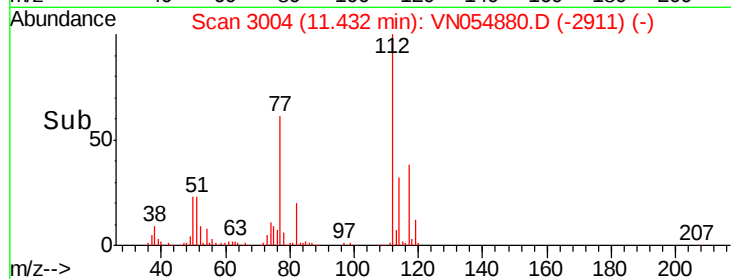
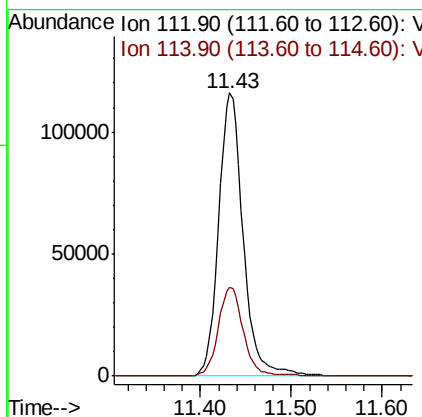
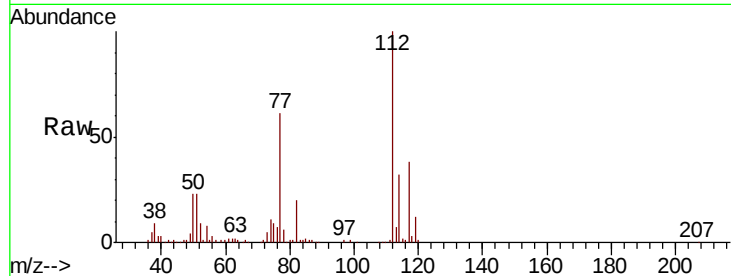




#65
Chlorobenzene
Concen: 20.482 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

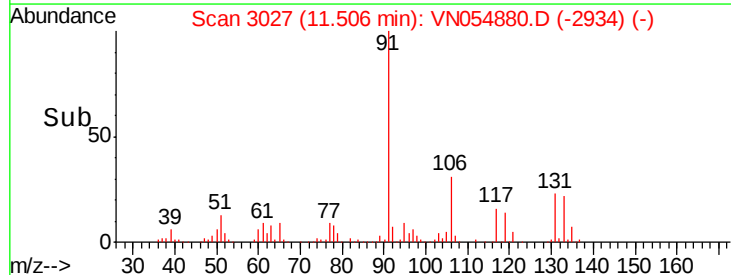
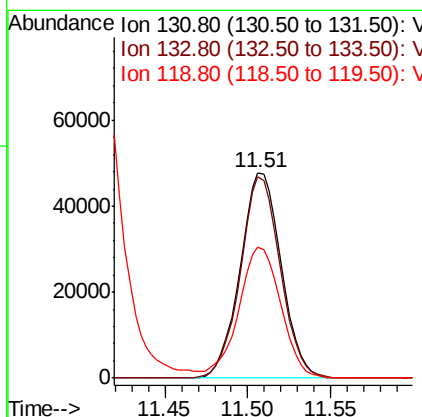
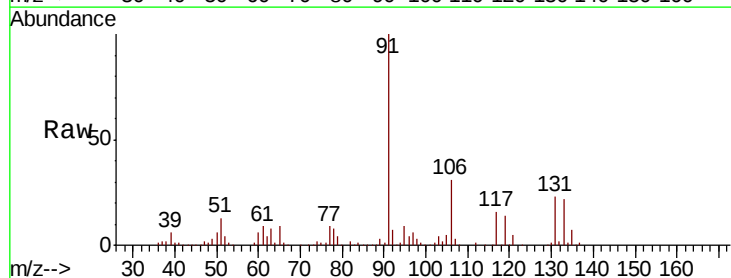
Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

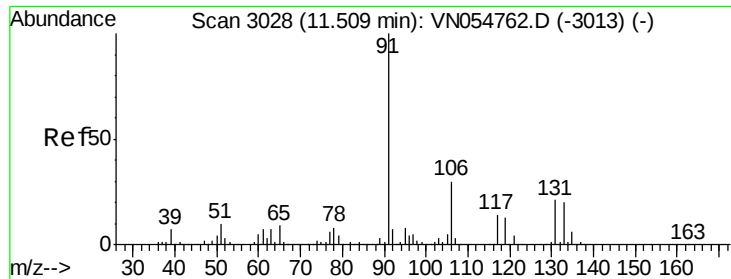
Tot Ion:112 Resp: 216842
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.740 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion:131 Resp: 82188
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 65.8 32.4 97.0

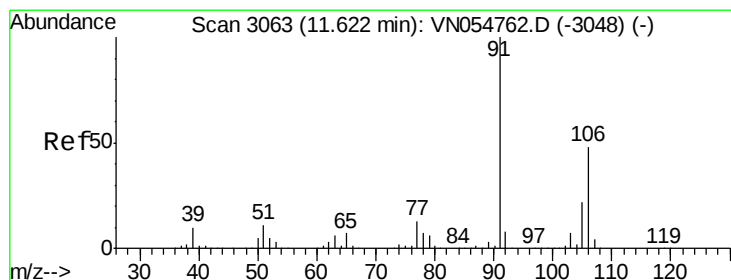
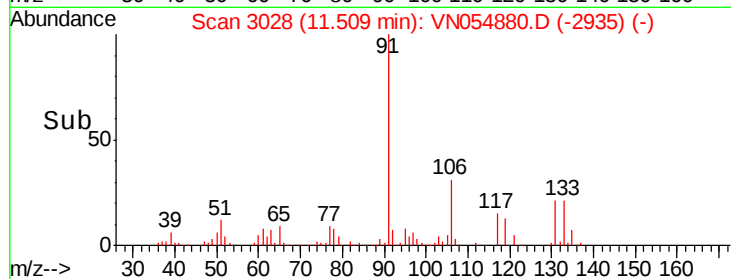
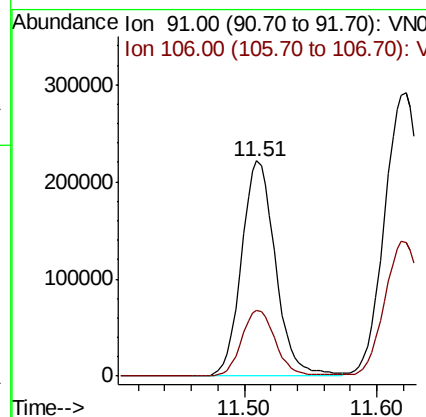
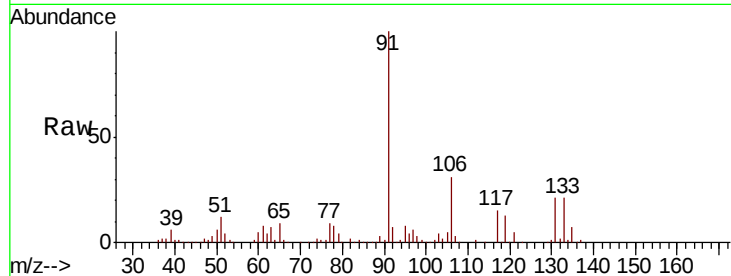




#67
Ethyl Benzene
Concen: 20.672 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

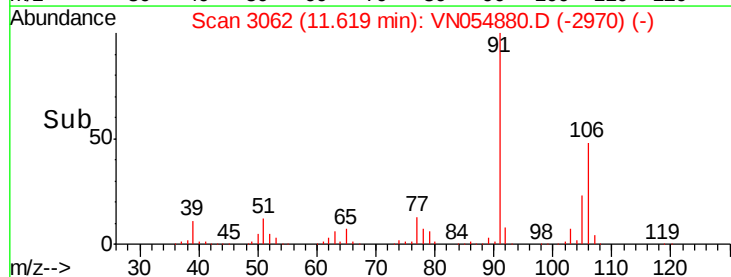
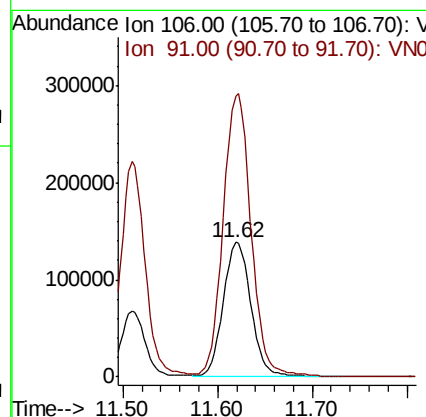
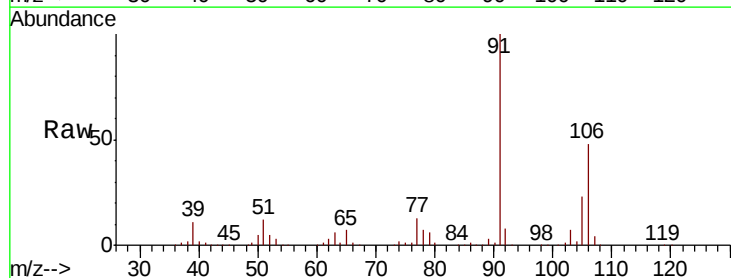
Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

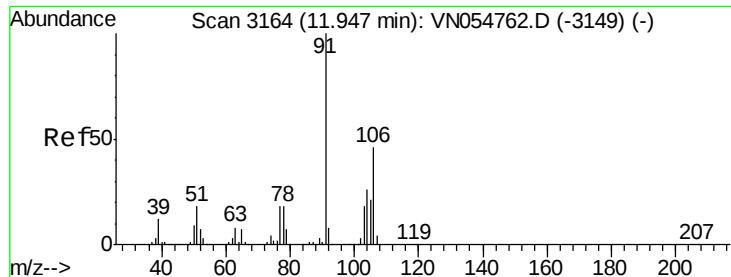
Tot Ion: 91 Resp: 394933
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 40.270 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion: 106 Resp: 284710
Ion Ratio Lower Upper
106 100
91 210.9 159.4 239.2

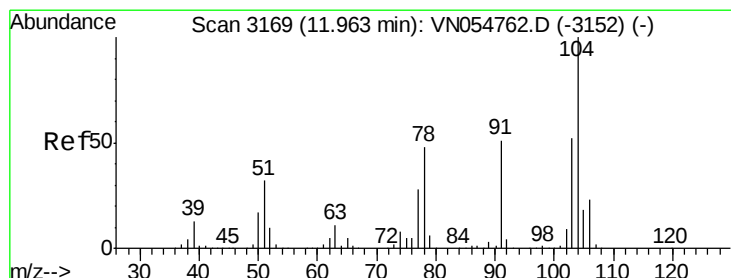
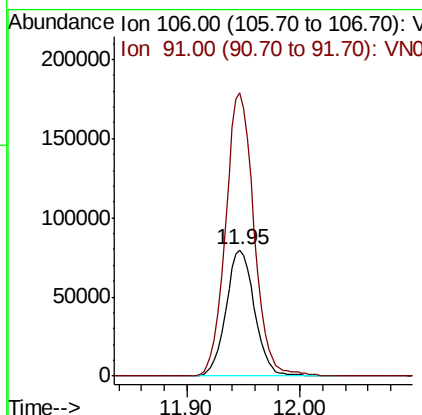
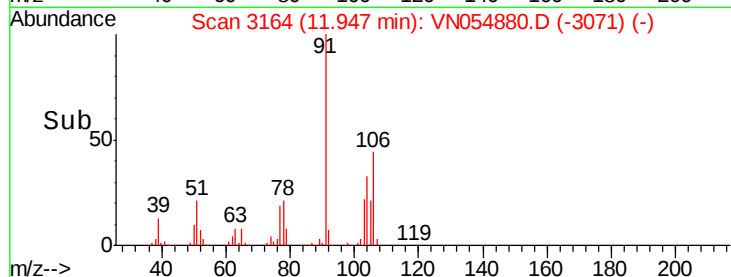
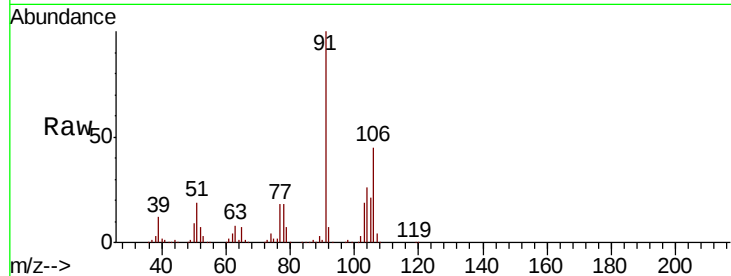




#69
o-Xylene
Concen: 20.212 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

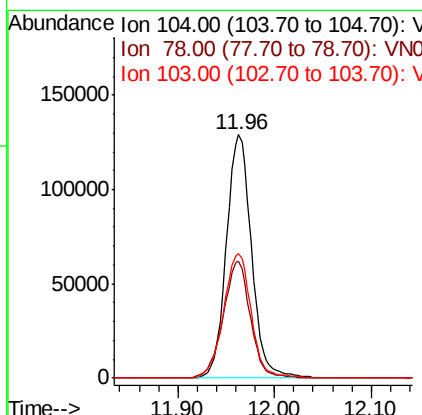
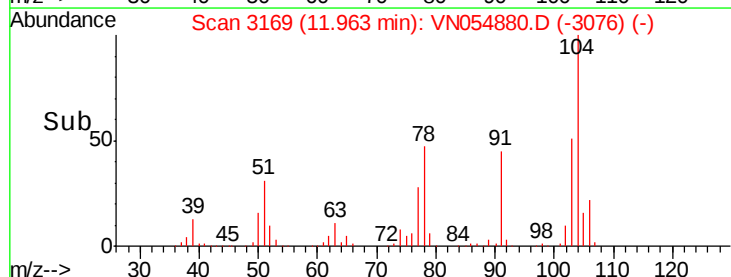
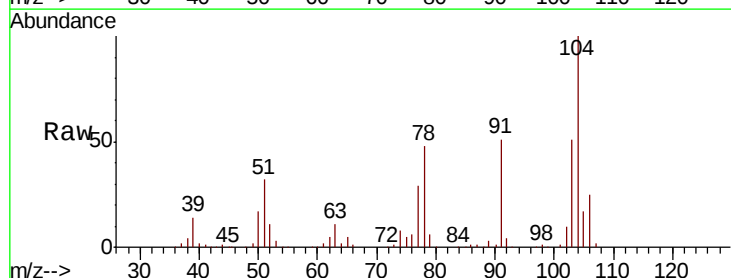
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

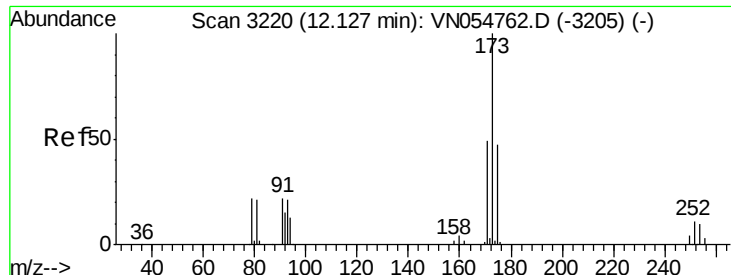
Tot Ion:106 Resp: 140123
Ion Ratio Lower Upper
106 100
91 222.9 105.7 317.1



#70
Styrene
Concen: 21.073 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion:104 Resp: 233594
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 19.917 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

VN0401WBSD01

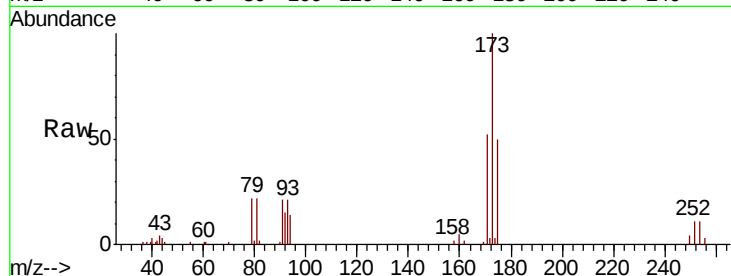
Tot Ion:173 Resp: 46237

Ion Ratio Lower Upper

173 100

175 50.8 24.4 73.2

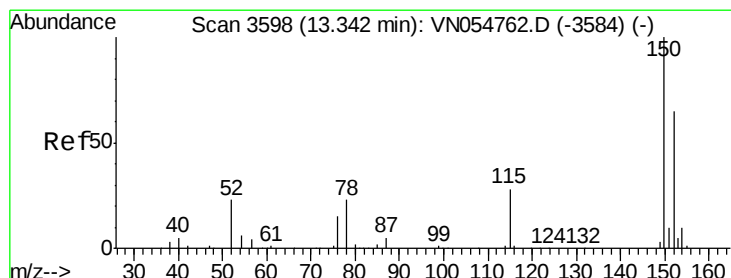
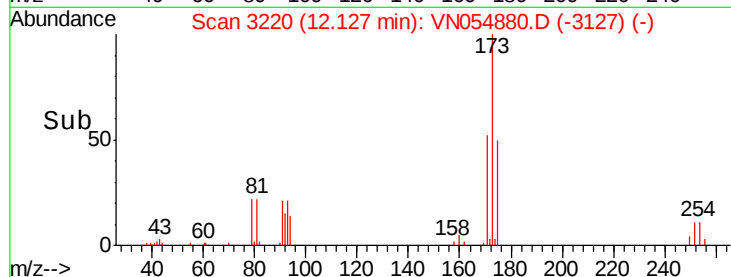
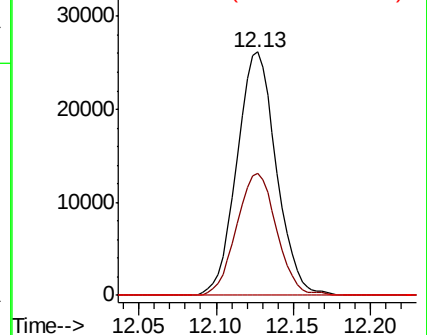
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

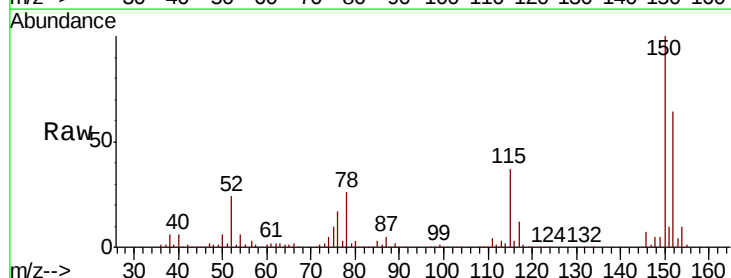
Tgt Ion:152 Resp: 223811

Ion Ratio Lower Upper

152 100

115 57.5 27.2 81.6

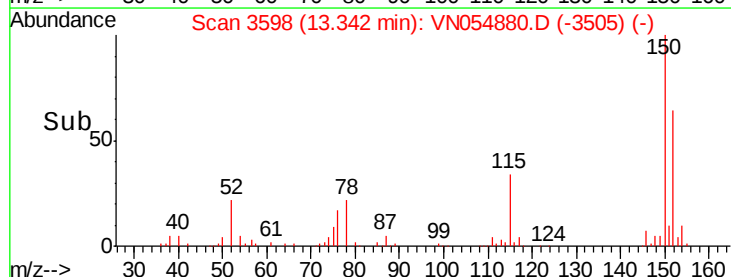
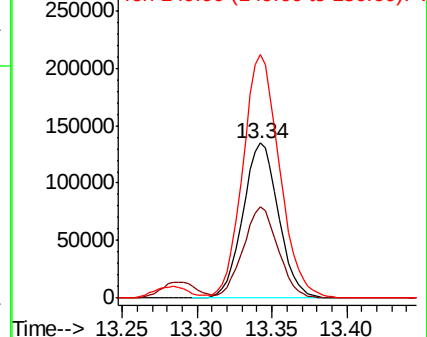
150 161.9 0.0 349.2

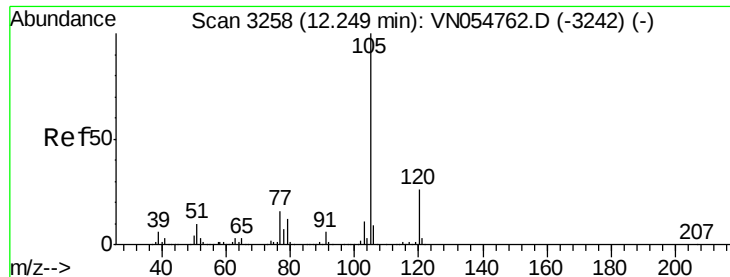


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

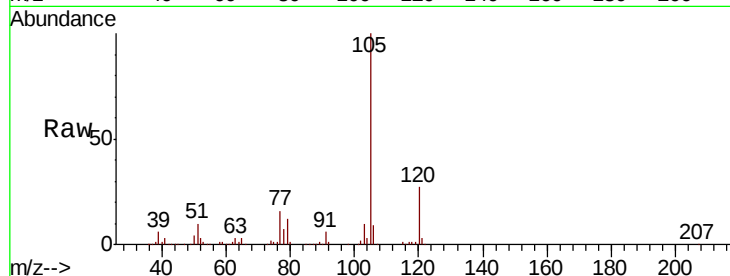
VN0401WBSD01

Tot Ion:105 Resp: 378150

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

150000

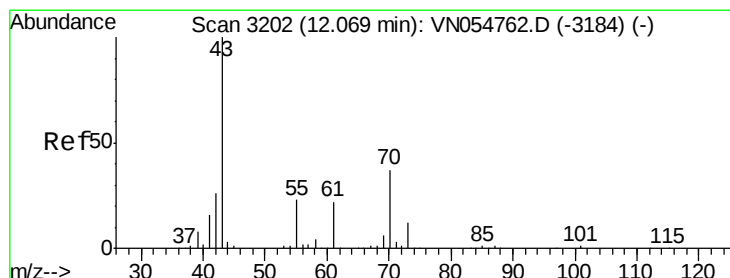
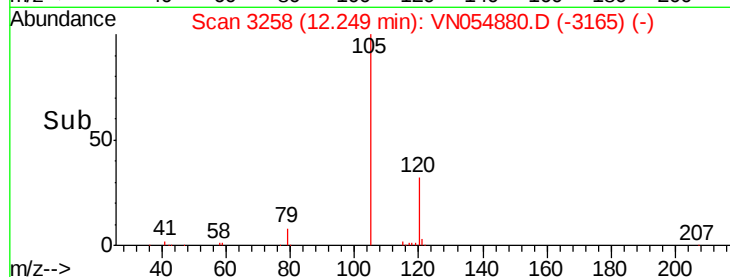
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 20.238 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Tgt Ion: 43 Resp: 115342

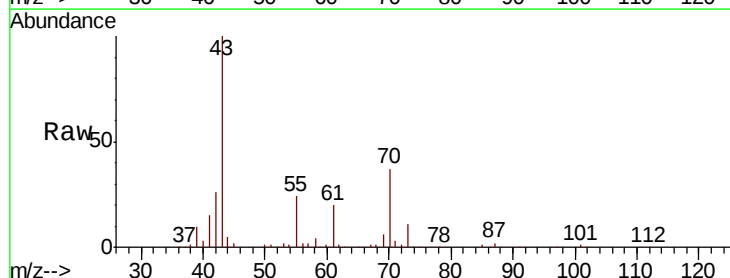
Ion Ratio Lower Upper

43 100

70 35.7 35.4 53.0

55 24.4 19.8 29.6

61 20.1 19.8 29.6



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

100000

80000

60000

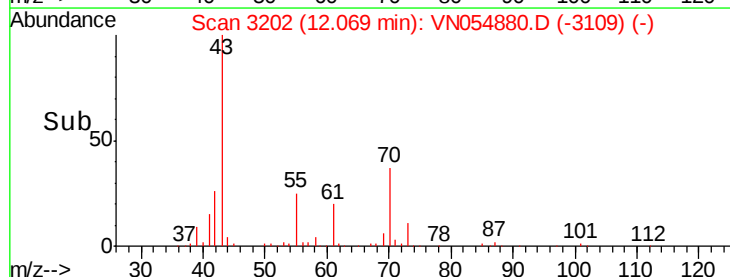
40000

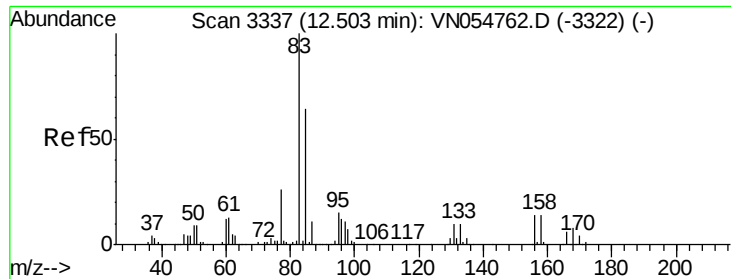
20000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 22.875 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

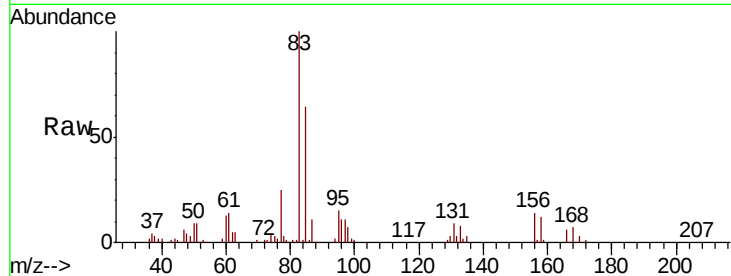
Tot Ion: 83 Resp: 95993

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

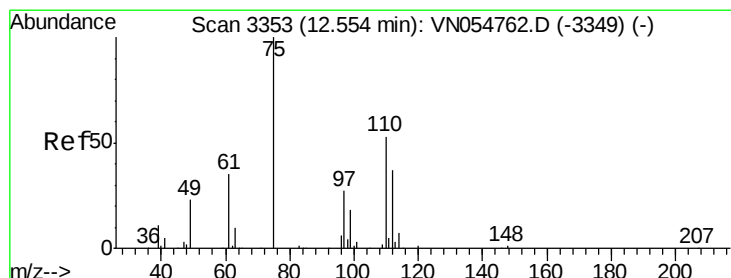
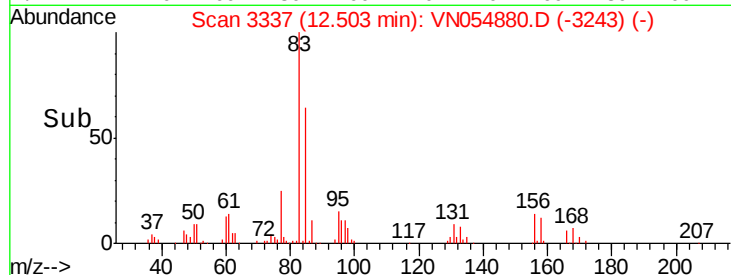
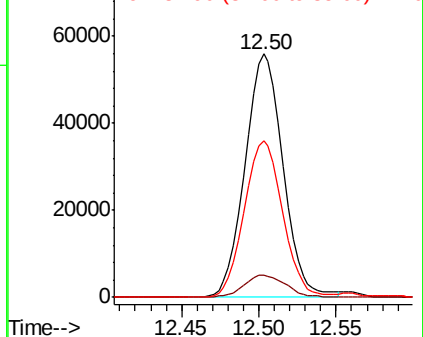
85 64.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.302 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054880.D

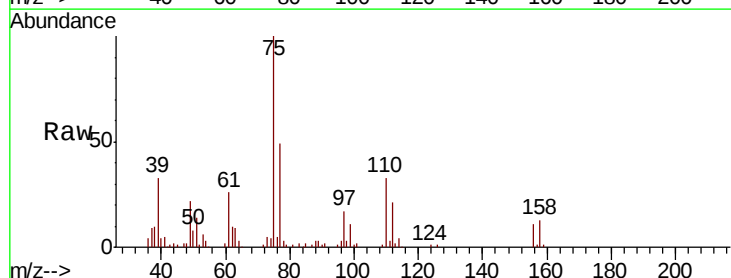
Acq: 1 Apr 2019 17:42

Tgt Ion: 75 Resp: 110040

Ion Ratio Lower Upper

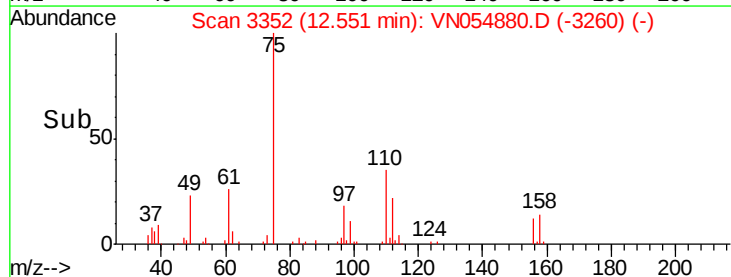
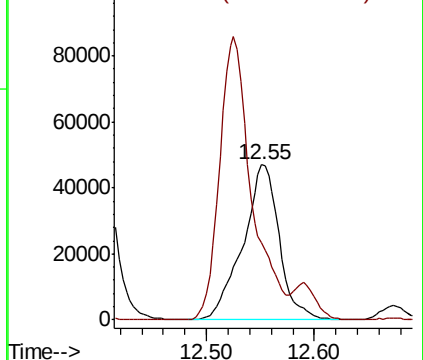
75 100

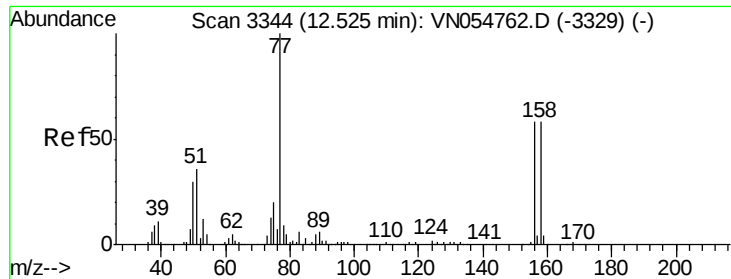
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.613 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

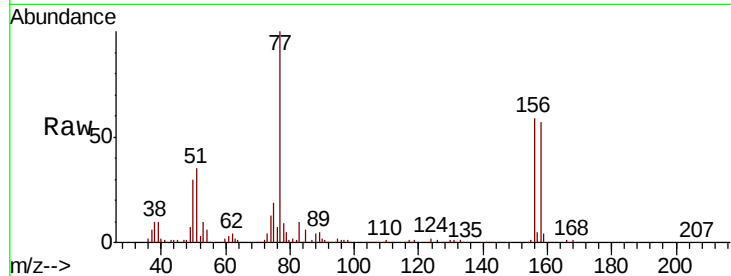
Tot Ion:156 Resp: 91009

Ion Ratio Lower Upper

156 100

77 194.1 81.5 244.4

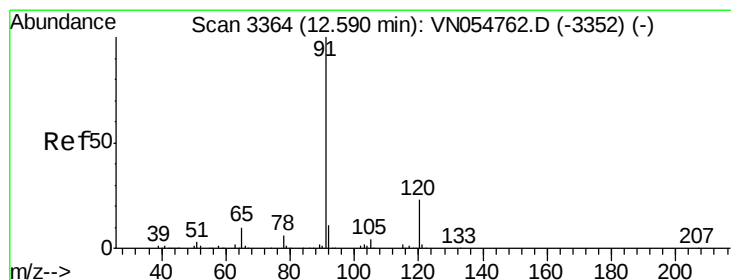
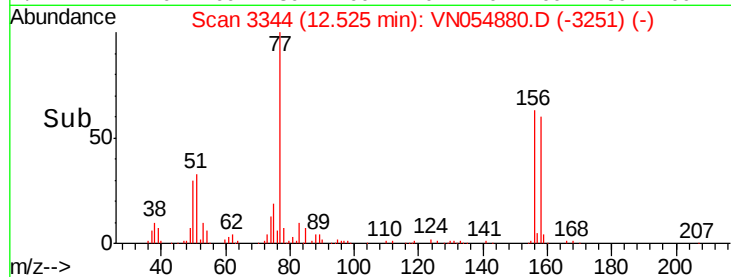
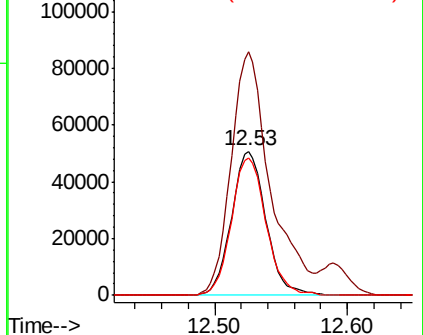
158 96.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.544 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054880.D

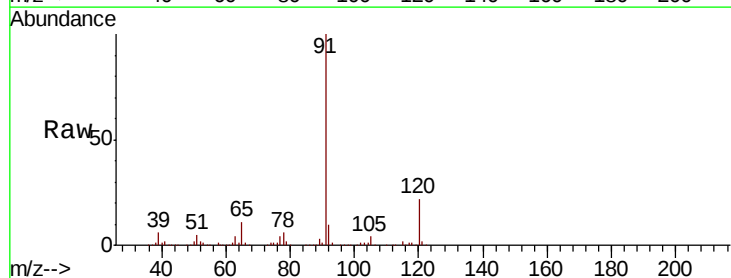
Acq: 1 Apr 2019 17:42

Tgt Ion: 91 Resp: 413071

Ion Ratio Lower Upper

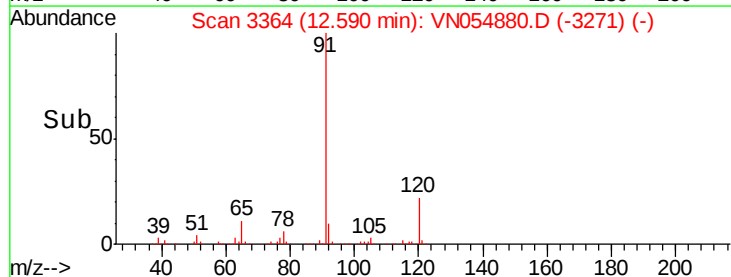
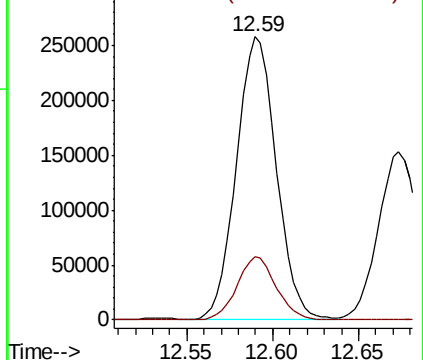
91 100

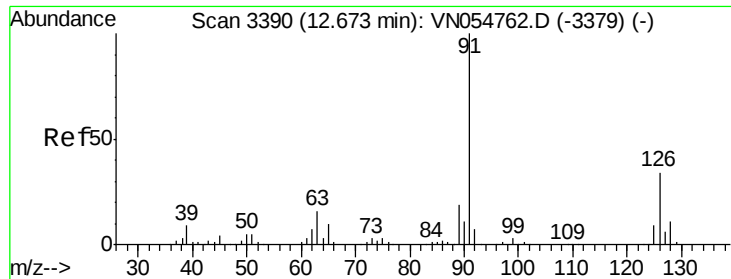
120 22.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

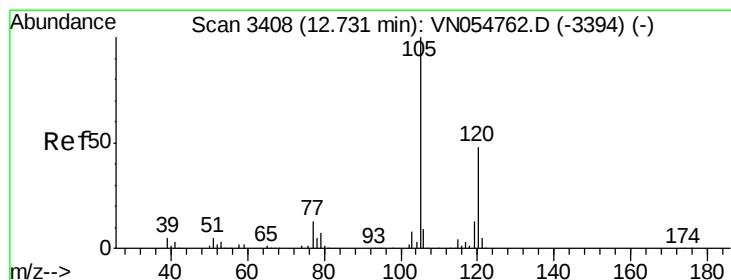
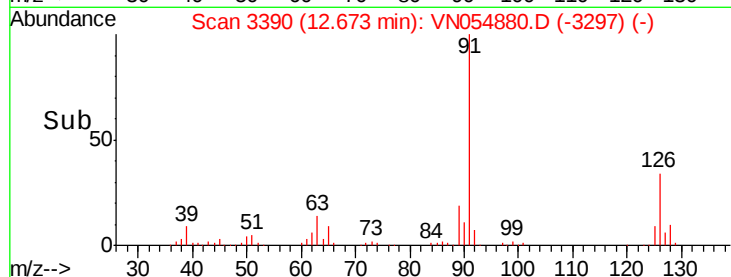
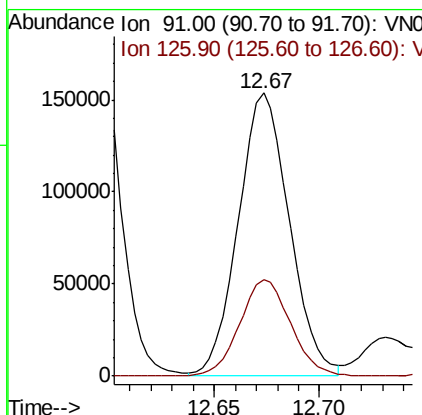
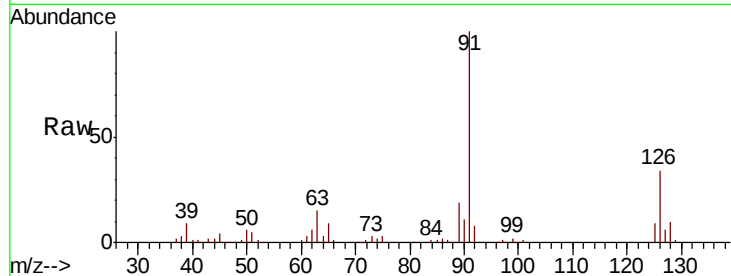




#79
 2-Chlorotoluene
 Concen: 20.683 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

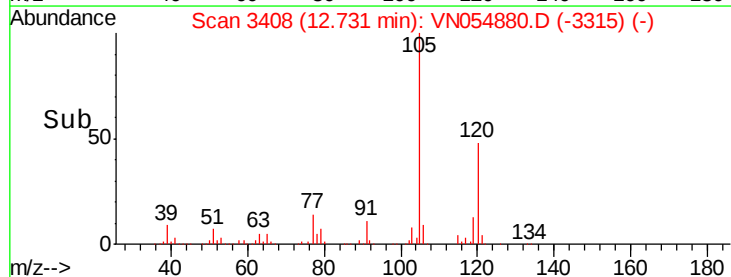
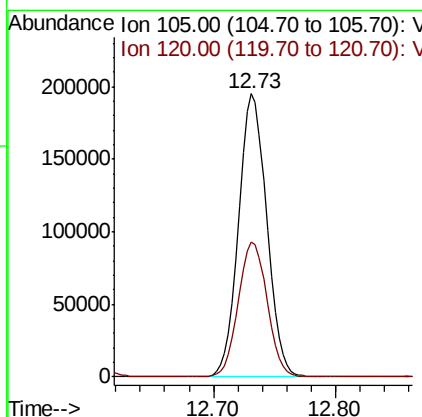
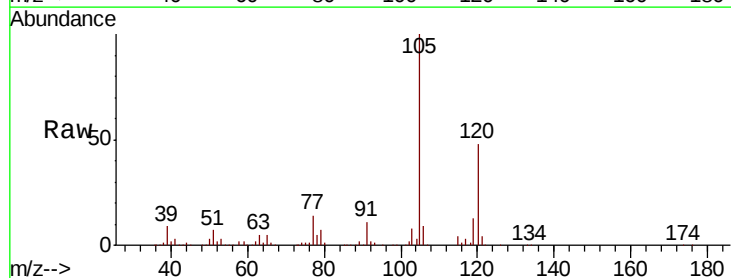
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

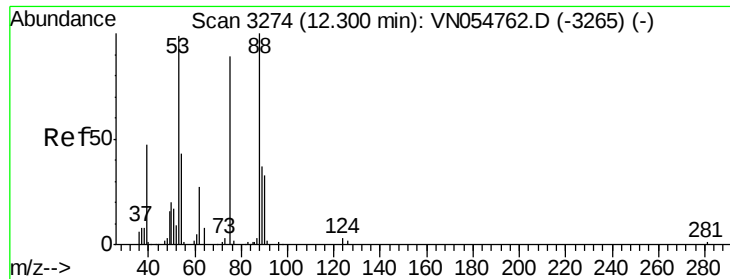
Tot Ion: 91 Resp: 257275
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.684 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion: 105 Resp: 310474
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.986 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

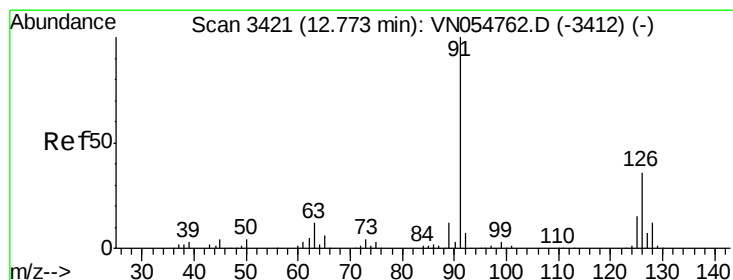
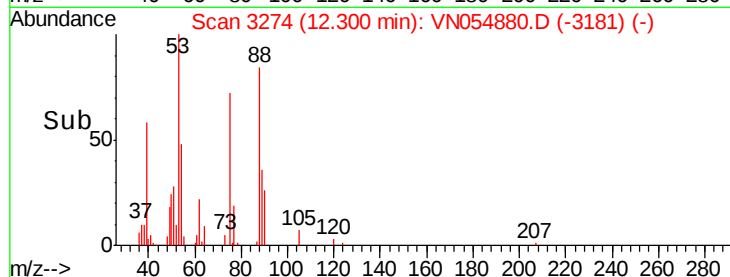
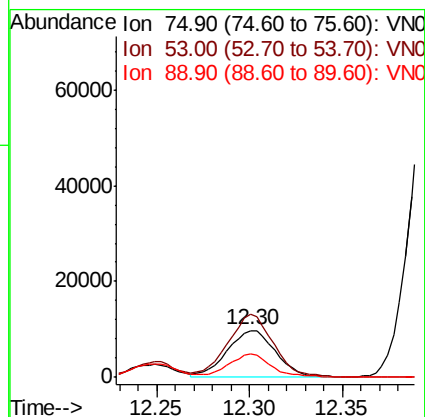
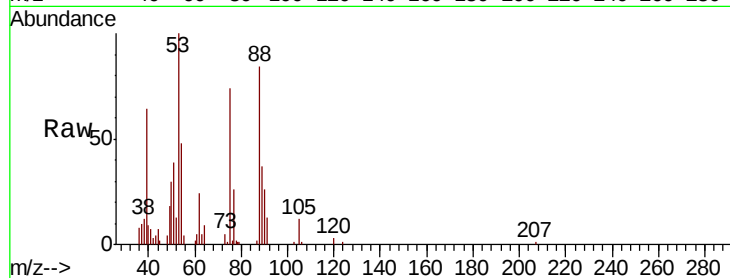
Tot Ion: 75 Resp: 16979

Ion Ratio Lower Upper

75 100

53 134.1 76.2 114.2#

89 45.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.970 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054880.D

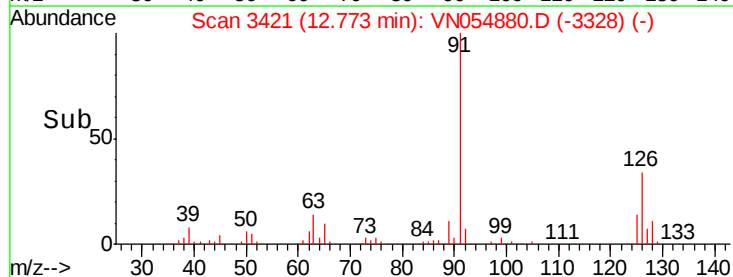
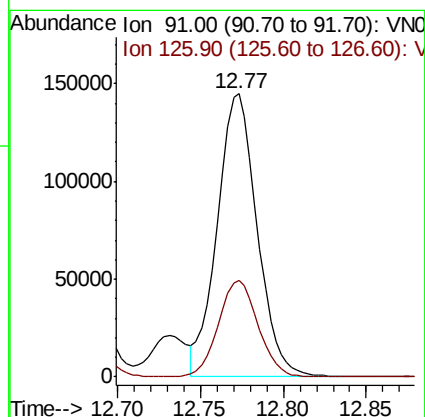
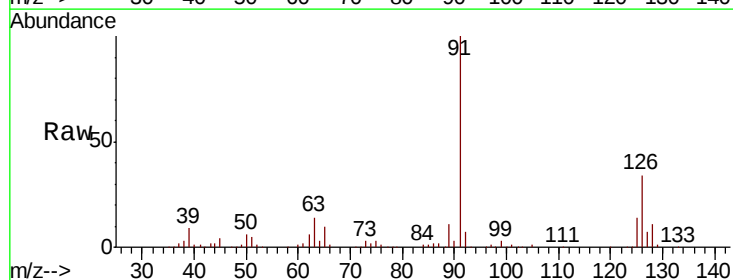
Acq: 1 Apr 2019 17:42

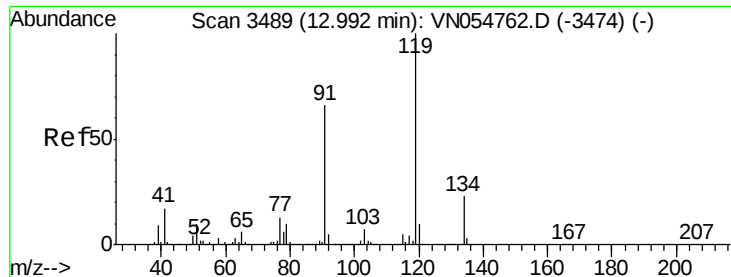
Tgt Ion: 91 Resp: 241275

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1

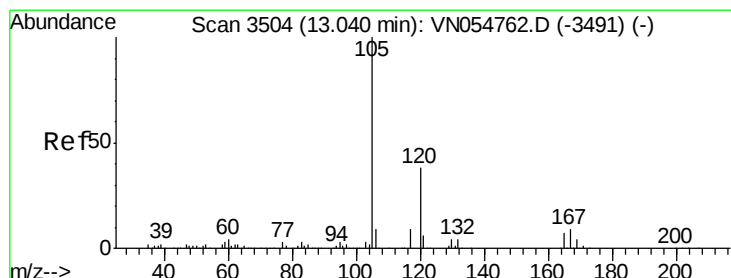
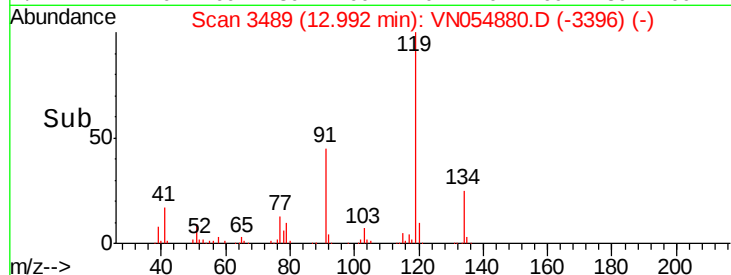
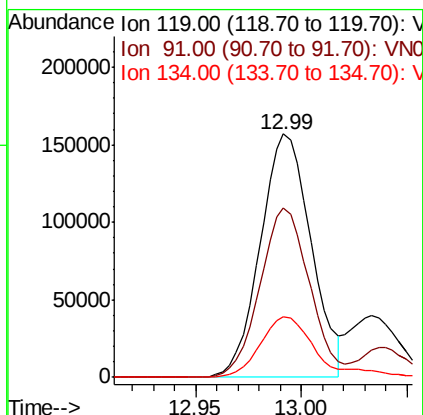
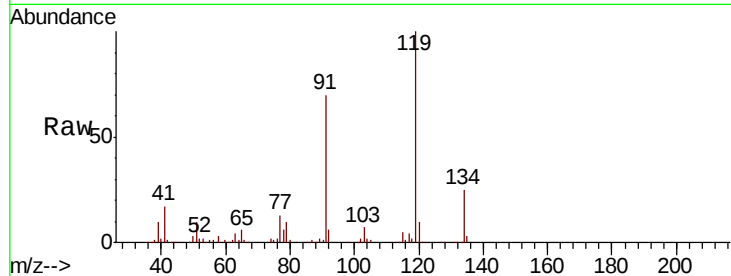




#83
tert-Butylbenzene
Concen: 21.439 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

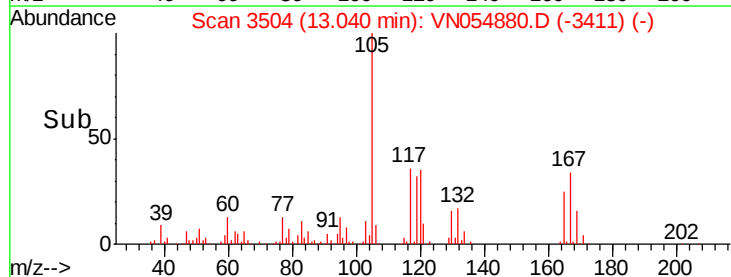
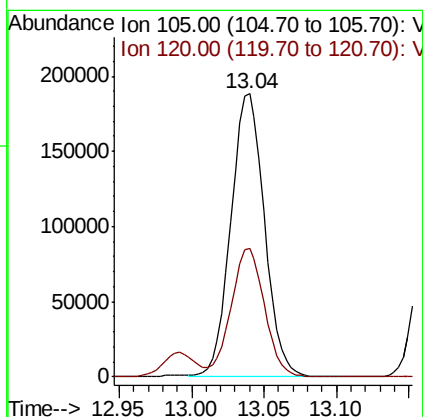
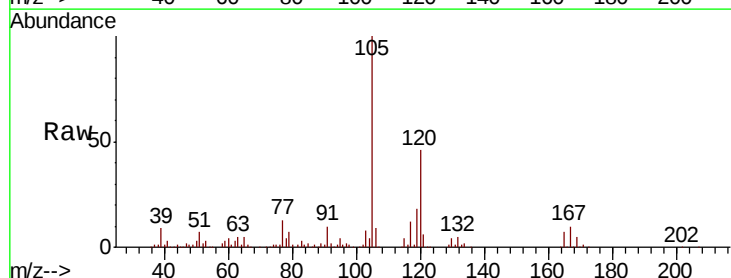
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

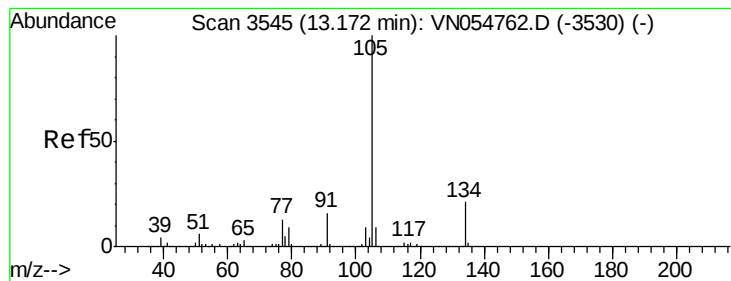
Tot Ion:119 Resp: 263208
Ion Ratio Lower Upper
119 100
91 67.7 30.9 92.8
134 27.3 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054880.D
Acq: 1 Apr 2019 17:42

Tgt Ion:105 Resp: 303362
Ion Ratio Lower Upper
105 100
120 45.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.982 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

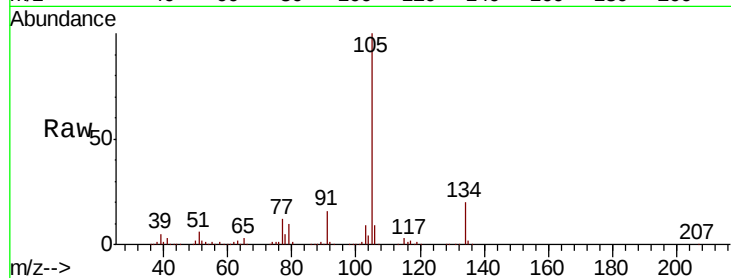
VN0401WBSD01

Tot Ion:105 Resp: 342126

Ion Ratio Lower Upper

105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

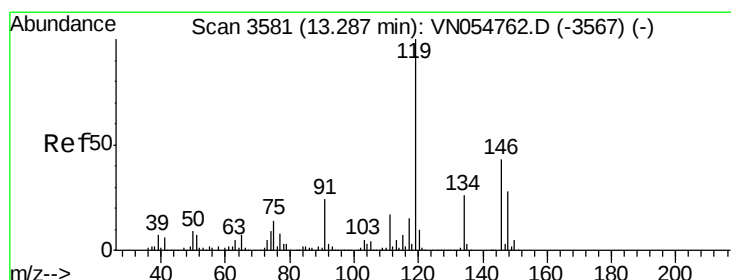
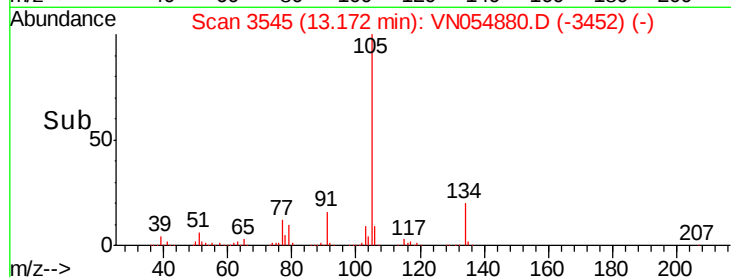
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.405 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

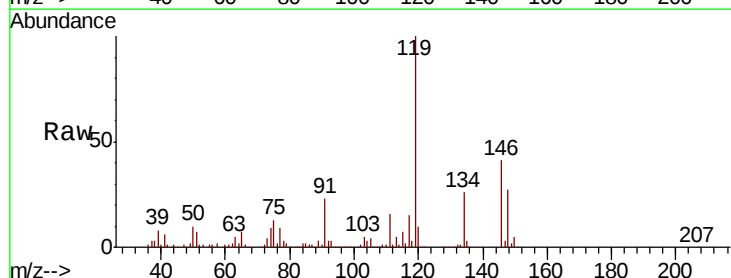
Tgt Ion:119 Resp: 293460

Ion Ratio Lower Upper

119 100

134 25.7 13.6 40.8

91 23.9 11.1 33.3



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

250000

200000

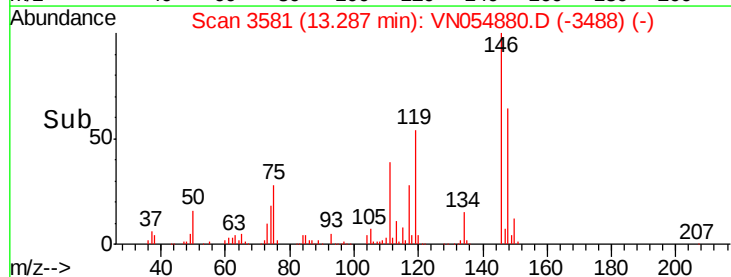
150000

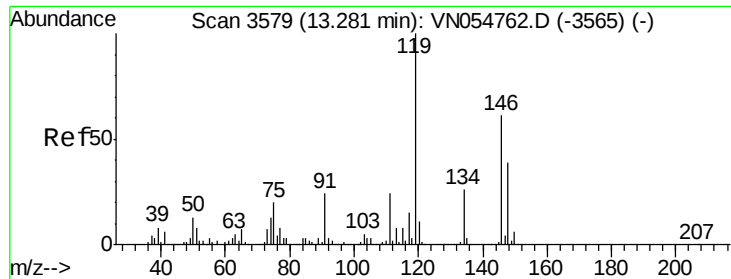
100000

50000

0

Time-->

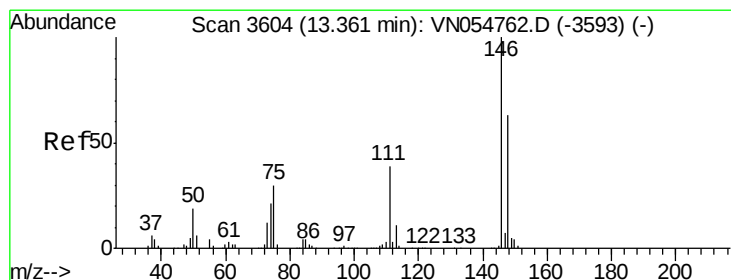
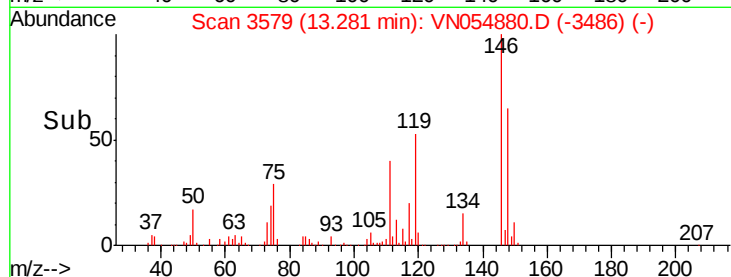
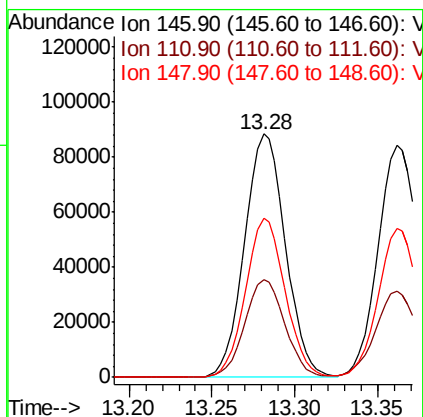
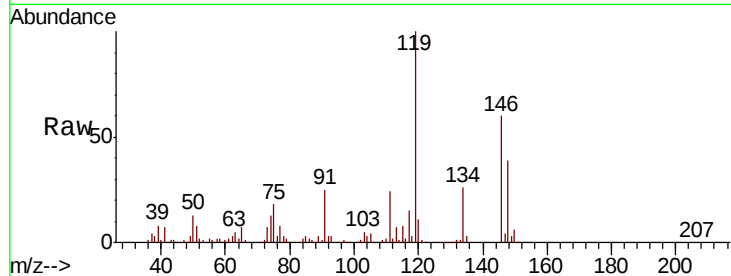




#87
 1,3-Dichlorobenzene
 Concen: 20.521 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

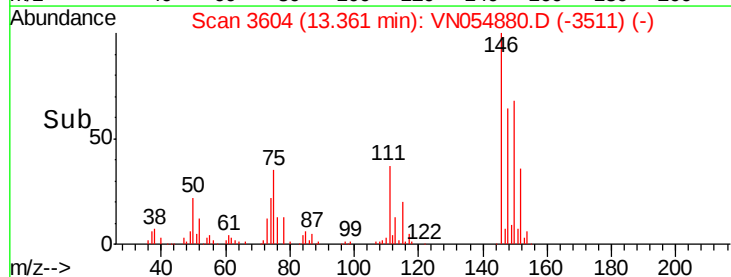
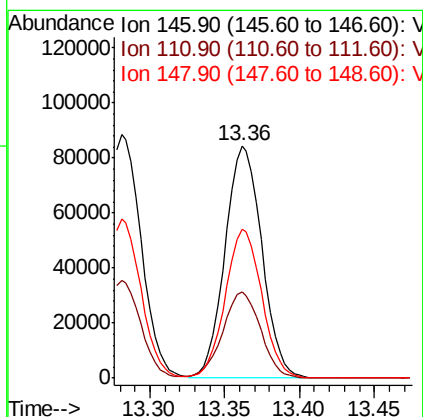
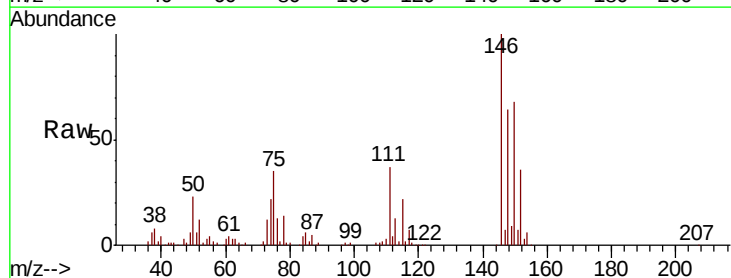
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

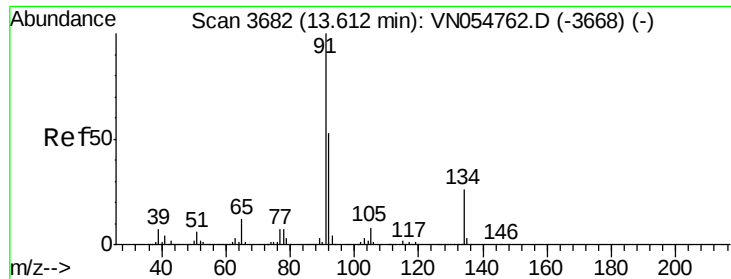
Tot Ion:146 Resp: 151686
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.8 56.3
 148 63.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054880.D
 Acq: 1 Apr 2019 17:42

Tgt Ion:146 Resp: 145313
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 18.588 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleID :

VN0401WBSD01

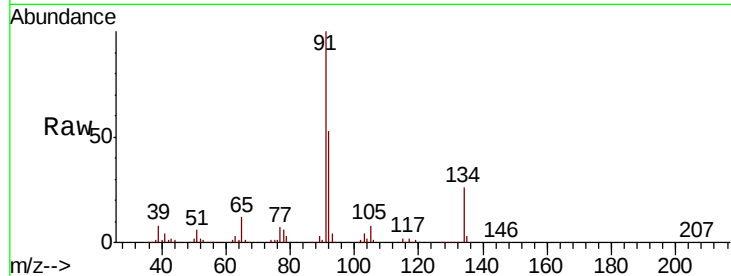
Tot Ion: 91 Resp: 218107

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 26.2 14.3 42.9

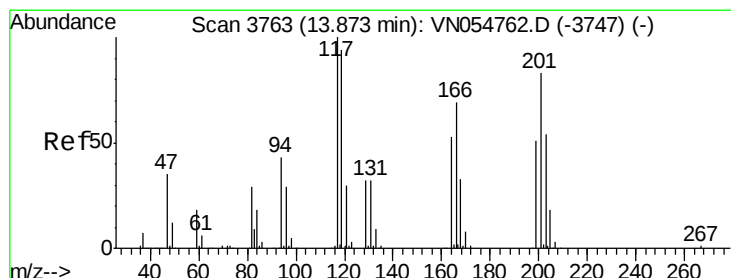
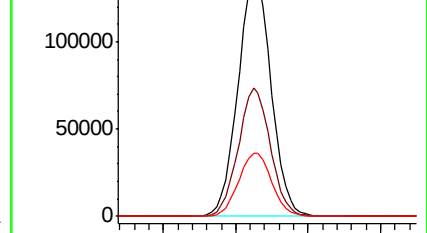
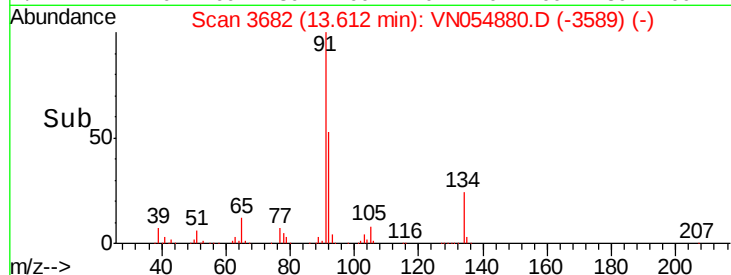


Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.995 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054880.D

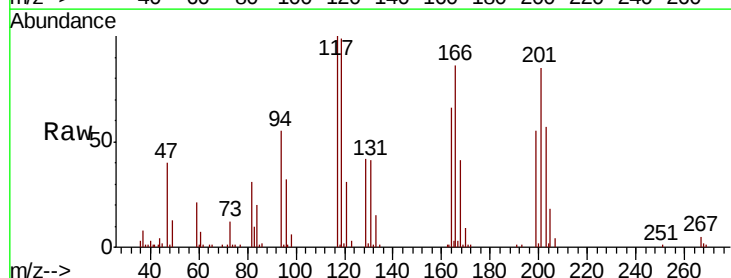
Acq: 1 Apr 2019 17:42

Tgt Ion: 117 Resp: 48824

Ion Ratio Lower Upper

117 100

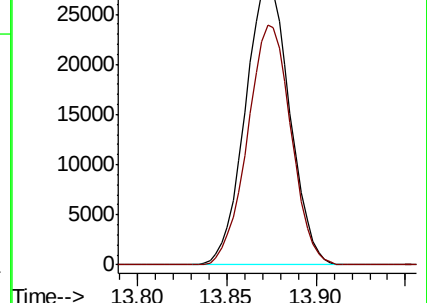
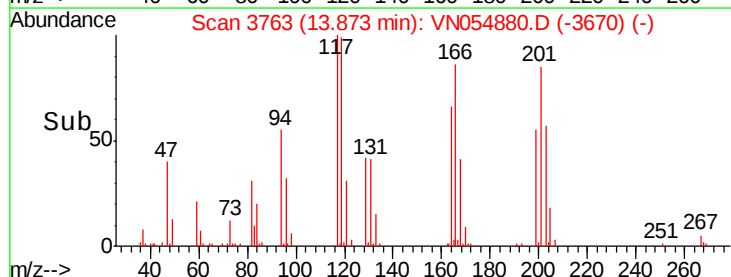
201 83.3 48.1 144.4

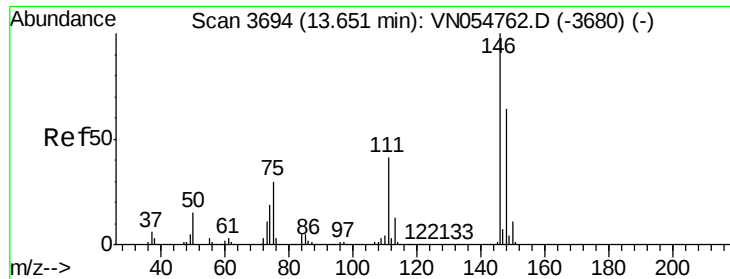


Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.541 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

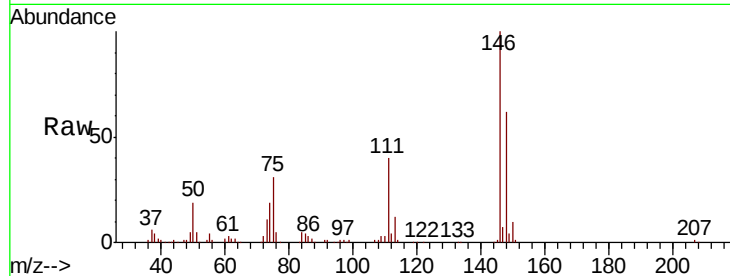
Tot Ion:146 Resp: 153236

Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.3

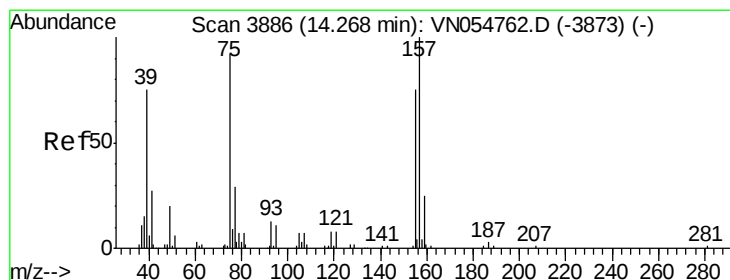
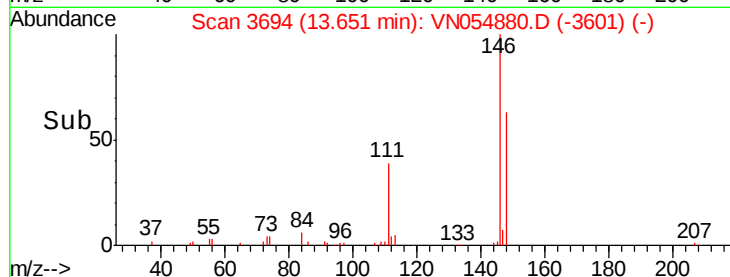
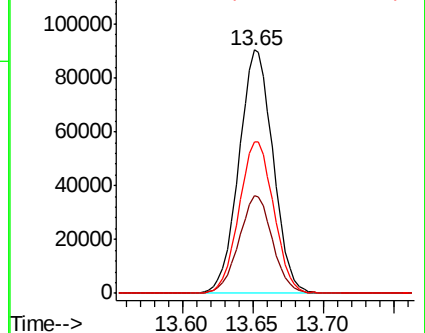
148 63.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.619 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

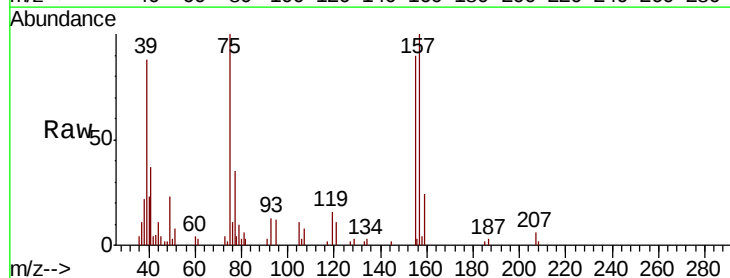
Tgt Ion: 75 Resp: 13520

Ion Ratio Lower Upper

75 100

155 83.2 50.1 150.3

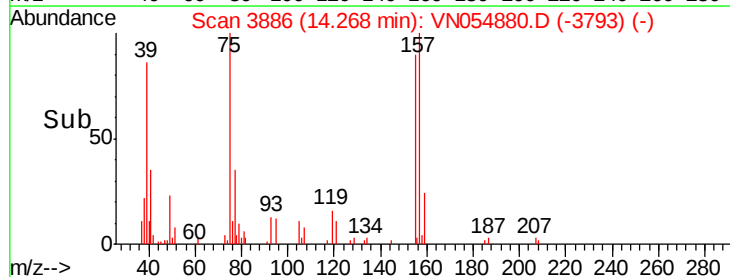
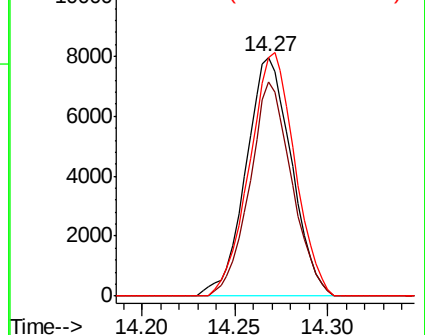
157 101.7 63.1 189.3

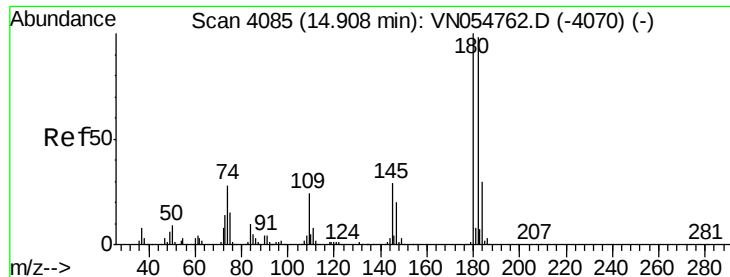


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.034 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

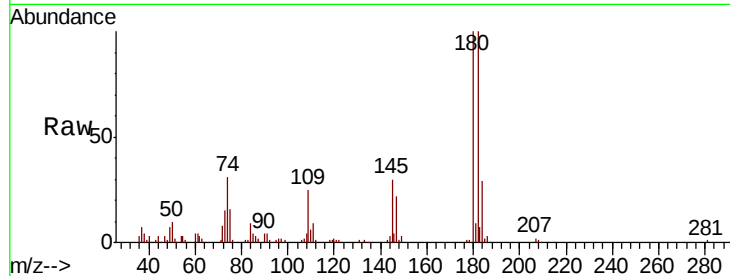
Tot Ion:180 Resp: 61262

Ion Ratio Lower Upper

180 100

182 98.8 48.0 144.2

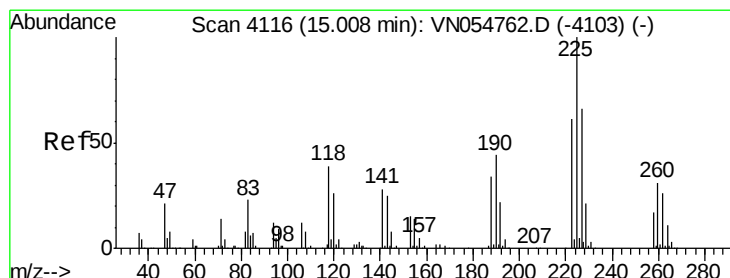
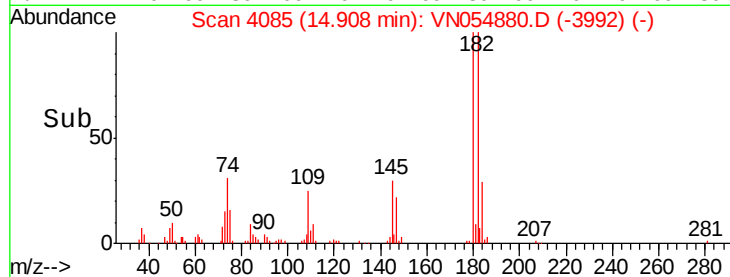
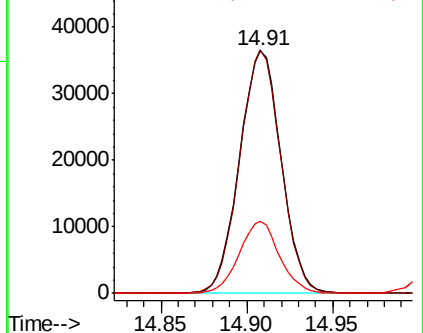
145 28.8 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.586 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

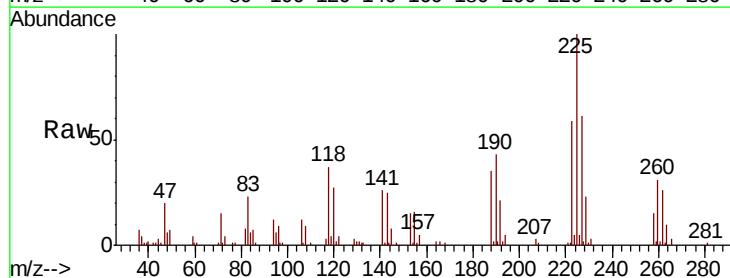
Tgt Ion:225 Resp: 46483

Ion Ratio Lower Upper

225 100

223 61.8 31.1 93.5

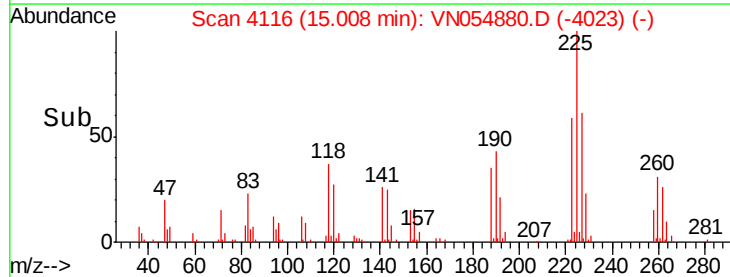
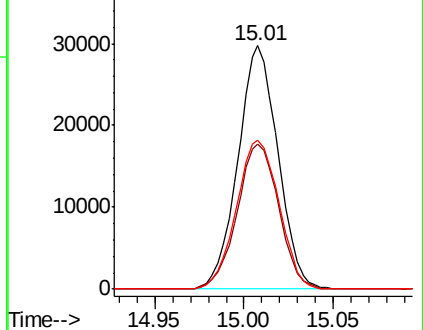
227 65.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.195 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

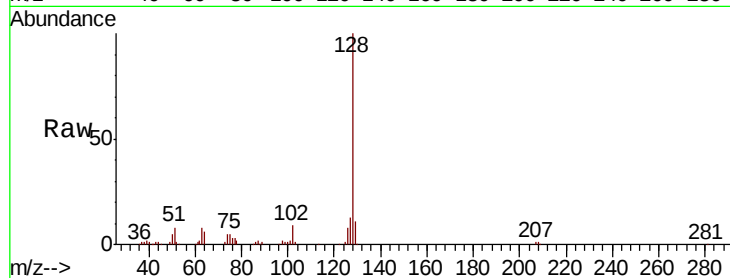
Tot Ion:128 Resp: 138705

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 10.5 8.7 13.1

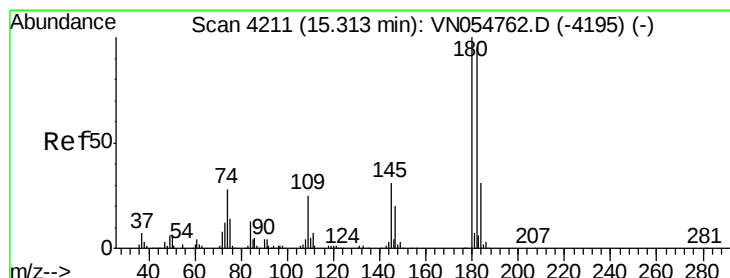
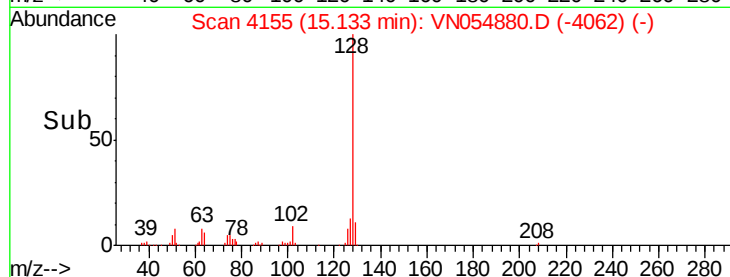
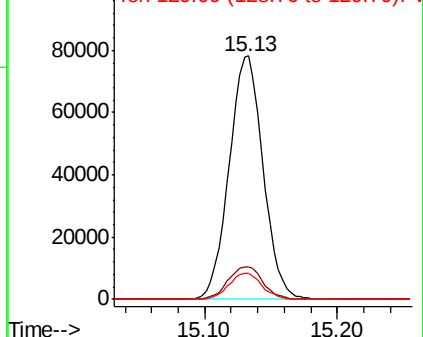


Abundance

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: 18.308 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054880.D

Acq: 1 Apr 2019 17:42

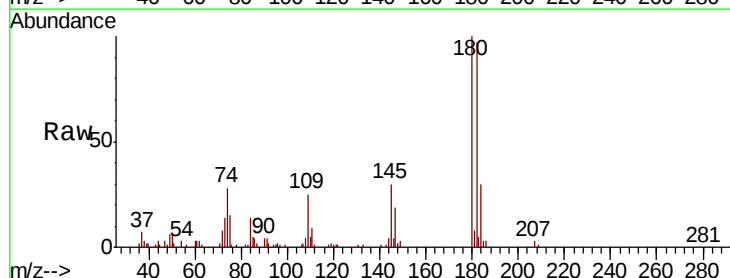
Tgt Ion:180 Resp: 66498

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 31.0 14.8 44.3



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

