

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054806.D
 Acq On : 30 Mar 2019 16:52
 Operator : JC/SP
 Sample : VN0330WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 22:41:11 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	416134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247175	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	304660	54.31	ug/l	0.00
Spiked Amount						
			Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	236005	49.70	ug/l	0.00
Spiked Amount						
			Recovery	=	99.40%	
50) Toluene-d8	10.09	98	863730	48.93	ug/l	0.00
Spiked Amount						
			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	276746	47.14	ug/l	0.00
Spiked Amount						
			Recovery	=	94.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84704	20.124	ug/l	99
3) Chloromethane	2.07	50	114867	19.736	ug/l	100
4) Vinyl Chloride	2.19	62	107916	20.648	ug/l	99
5) Bromomethane	2.57	94	59525	20.392	ug/l	94
6) Chloroethane	2.71	64	59925	20.533	ug/l	97
7) Trichlorofluoromethane	3.02	101	134576	20.944	ug/l	97
8) Diethyl Ether	3.41	74	45390	21.938	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69816	20.640	ug/l	93
10) Methyl Iodide	3.94	142	96871	20.920	ug/l #	88
11) Tert butyl alcohol	4.83	59	42888	146.741	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	71199	21.766	ug/l #	80
13) Acrolein	3.61	56	39204	150.043	ug/l	97
14) Allyl chloride	4.32	41	166481	20.663	ug/l #	90
15) Acrylonitrile	5.00	53	201646	124.126	ug/l	99
16) Acetone	3.82	43	147805	110.493	ug/l #	80
17) Carbon Disulfide	4.04	76	181569	17.114	ug/l	99
18) Methyl Acetate	4.33	43	91431	25.796	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	268564	23.471	ug/l	97
20) Methylene Chloride	4.54	84	100744	21.350	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	90634	21.095	ug/l	87
22) Diisopropyl ether	5.96	45	351902	22.083	ug/l #	94
23) Vinyl Acetate	5.90	43	1302413	117.445	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	183871	21.630	ug/l	98
25) 2-Butanone	6.85	43	257341	130.143	ug/l #	85
26) 2,2-Dichloropropane	6.83	77	108146	18.151	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	103922	21.411	ug/l	88
28) Bromochloromethane	7.20	49	105643	24.854	ug/l #	70
29) Tetrahydrofuran	7.22	42	178737	130.144	ug/l #	84
30) Chloroform	7.37	83	181036	22.334	ug/l	98
31) Cyclohexane	7.65	56	174065	21.290	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	148119	22.050	ug/l	95
36) 1,1-Dichloropropene	7.80	75	131175	19.766	ug/l	96
37) Ethyl Acetate	6.94	43	116421	23.922	ug/l #	94
38) Carbon Tetrachloride	7.77	117	124994	19.391	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140264	19.225	ug/l #	87
40) Benzene	8.04	78	397785	20.948	ug/l	99
41) Methacrylonitrile	7.18	41	65675	24.023	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146752	21.644	ug/l	97
43) Isopropyl Acetate	8.17	43	188452	23.831	ug/l #	94
44) Trichloroethene	8.84	130	100457	20.379	ug/l	91
45) 1,2-Dichloropropane	9.12	63	111823	20.652	ug/l	98
46) Dibromomethane	9.21	93	65071	21.363	ug/l	88
47) Bromodichloromethane	9.40	83	131753	20.813	ug/l	99
48) Methyl methacrylate	9.20	41	95731	22.333	ug/l	89
49) 1,4-Dioxane	9.21	88	21799	512.528	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	548231	123.311	ug/l	92
52) Toluene	10.16	92	232312	20.559	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	115677	19.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145033	20.389	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	90459	21.530	ug/l	96
56) Ethyl methacrylate	10.43	69	119180	21.624	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	158545	21.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	232799	104.348	ug/l #	89
59) 2-Hexanone	10.75	43	334677	117.592	ug/l	92
60) Dibromochloromethane	10.90	129	88662	20.832	ug/l	99
61) 1,2-Dibromoethane	11.01	107	87308	21.744	ug/l	97
64) Tetrachloroethene	10.63	164	98606	21.526	ug/l	97
65) Chlorobenzene	11.44	112	235553	20.154	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91313	20.874	ug/l	98
67) Ethyl Benzene	11.51	91	430096	20.393	ug/l	100
68) m/p-Xylenes	11.62	106	312681	40.062	ug/l	93
69) o-Xylene	11.95	106	154554	20.194	ug/l	95
70) Styrene	11.97	104	255776	20.902	ug/l	97
71) Bromoform	12.13	173	54582	21.298	ug/l #	99
73) Isopropylbenzene	12.25	105	410513	20.319	ug/l	97
74) N-amyl acetate	12.07	43	137099	21.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	112952	24.488	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	128005	29.810	ug/l #	100
77) Bromobenzene	12.53	156	101739	20.866	ug/l	85
78) n-propylbenzene	12.59	91	440871	19.854	ug/l	96
79) 2-Chlorotoluene	12.68	91	275652	20.065	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	329814	19.896	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22127	20.044	ug/l #	78
82) 4-Chlorotoluene	12.77	91	260664	19.535	ug/l	96
83) tert-Butylbenzene	12.99	119	284096	20.904	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	323185	20.464	ug/l	96
85) sec-Butylbenzene	13.17	105	357721	19.864	ug/l	95
86) p-Isopropyltoluene	13.29	119	306170	19.277	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	158225	19.382	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	153674	19.193	ug/l	97
89) n-Butylbenzene	13.62	91	232720	17.959	ug/l	97
90) Hexachloroethane	13.88	117	51211	18.990	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	161239	19.571	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16051	23.240	ug/l	84

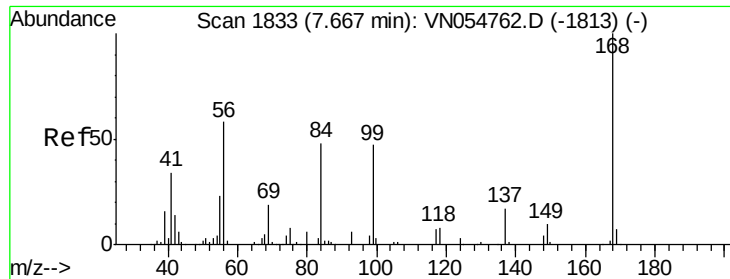
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68032	17.128	ug/l	99
94) Hexachlorobutadiene	15.01	225	44178	17.410	ug/l	99
95) Naphthalene	15.13	128	170769	19.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72203	17.999	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: VN054806.D

Acq: 30 Mar 2019 16:52

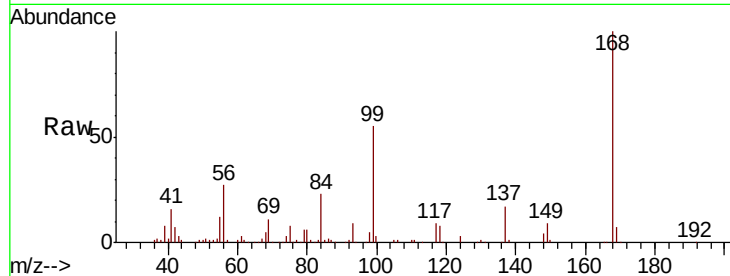
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 416134

Ion Ratio Lower Upper

168 100

99 54.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

150000

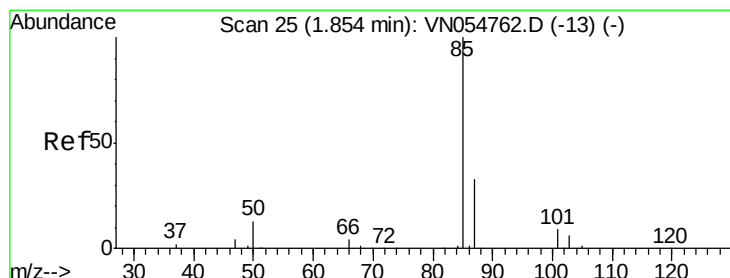
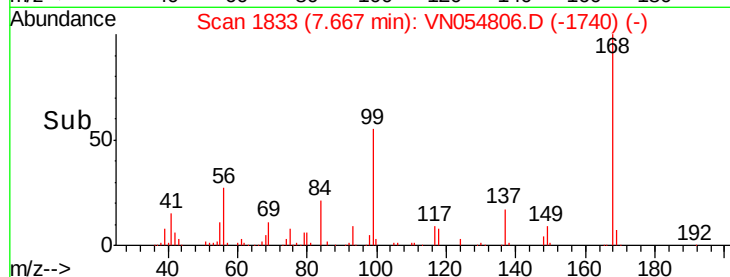
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.124 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054806.D

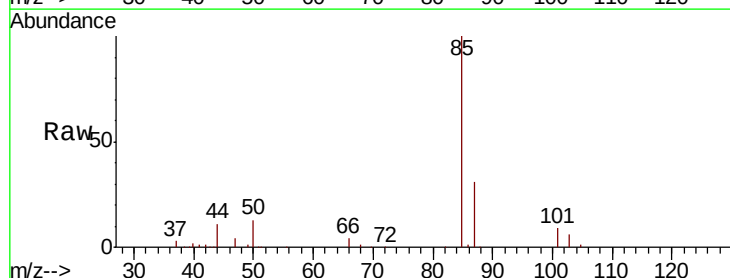
Acq: 30 Mar 2019 16:52

Tgt Ion: 85 Resp: 84704

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054762.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN054762.D (-13) (-)

1.85

60000

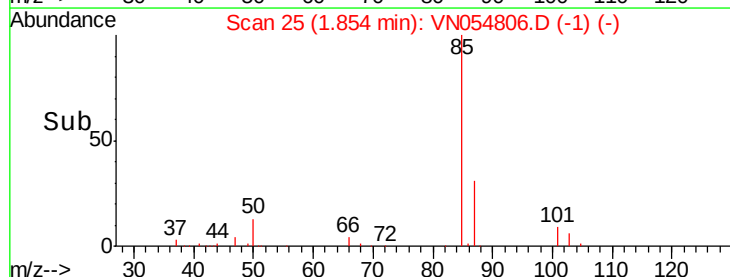
40000

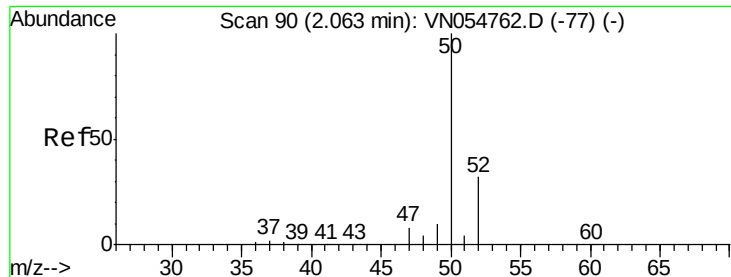
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.736 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

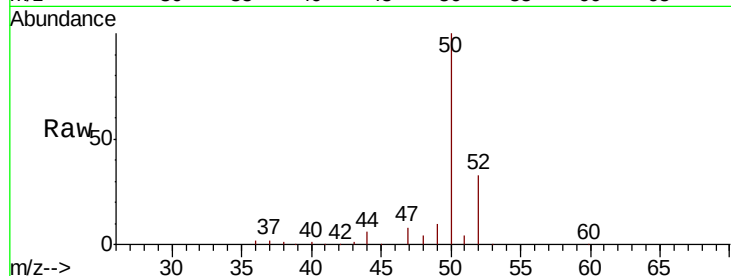
ClientSampleId :

Tot Ion: 50 Resp: 114867

Ion Ratio Lower Upper

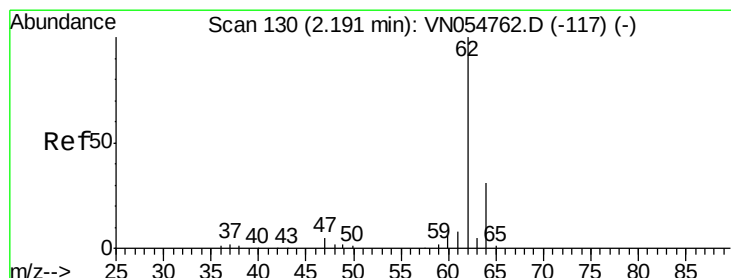
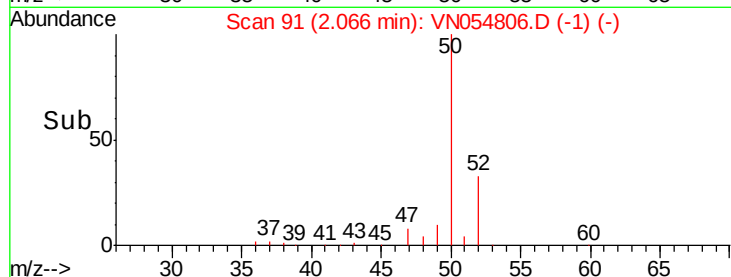
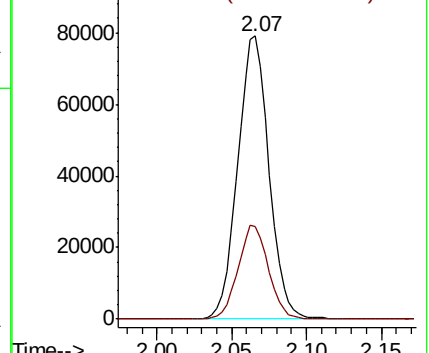
50 100

52 32.9 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: 20.648 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054806.D

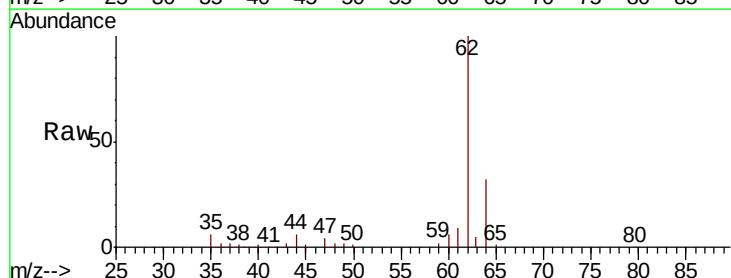
Acq: 30 Mar 2019 16:52

Tgt Ion: 62 Resp: 107916

Ion Ratio Lower Upper

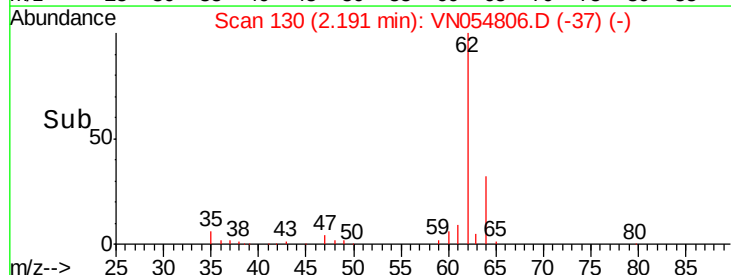
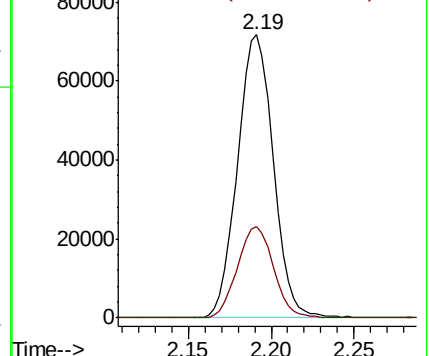
62 100

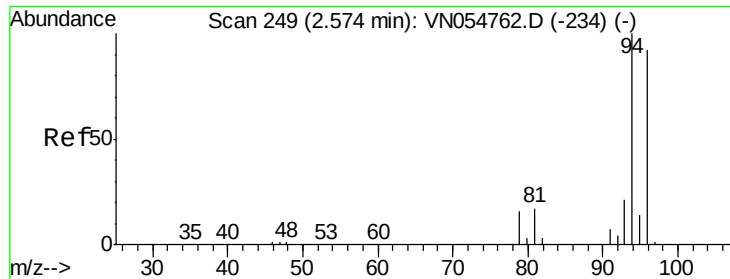
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.392 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

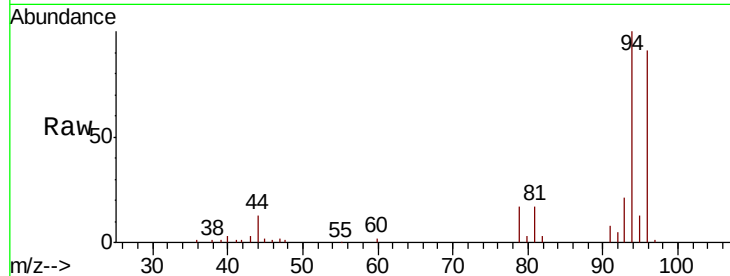
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 59525

Ion Ratio Lower Upper

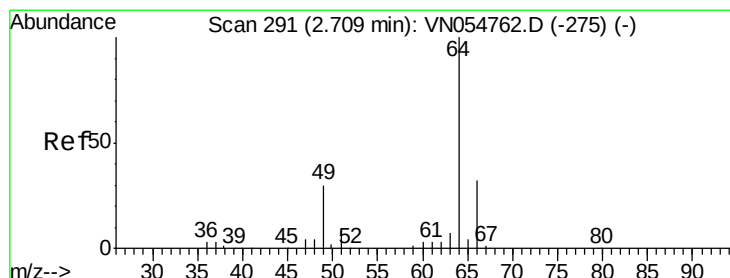
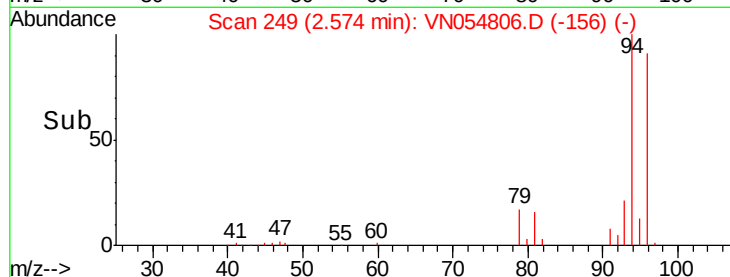
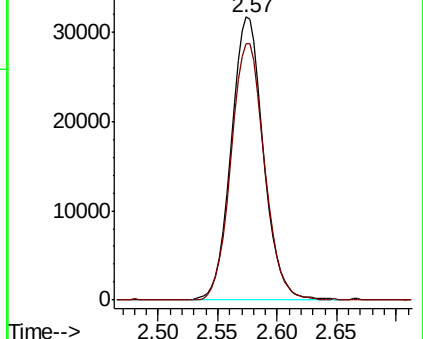
94 100

96 90.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054806.D (-156) (-)



#6

Chloroethane

Concen: 20.533 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054806.D

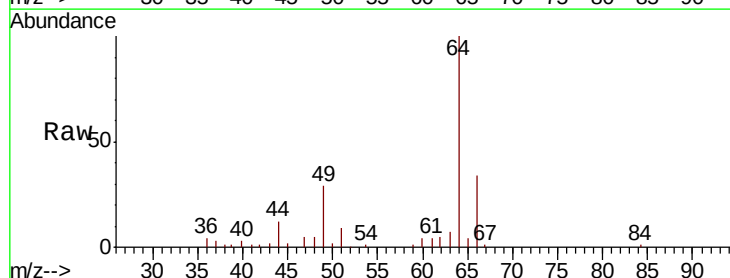
Acq: 30 Mar 2019 16:52

Tgt Ion: 64 Resp: 59925

Ion Ratio Lower Upper

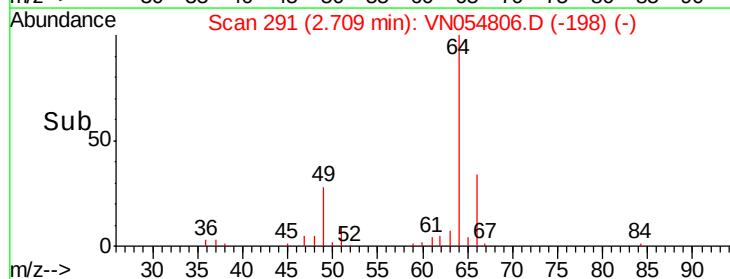
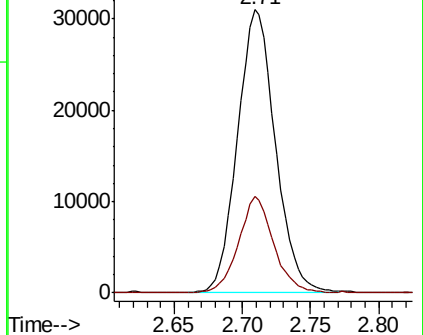
64 100

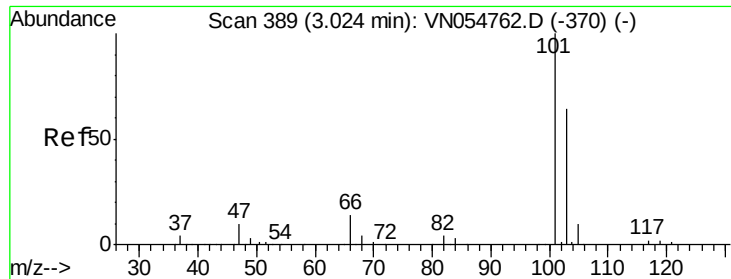
66 33.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054762.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN054806.D (-198) (-)



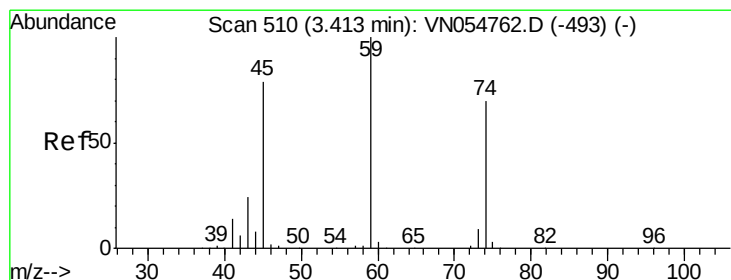
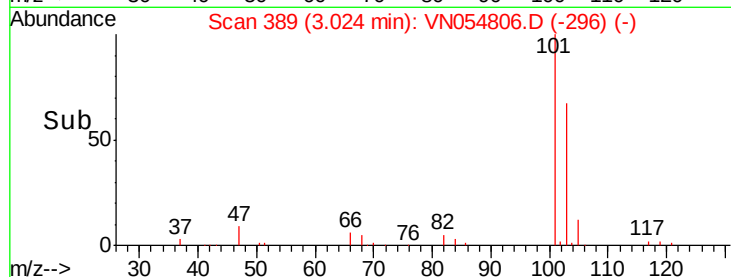
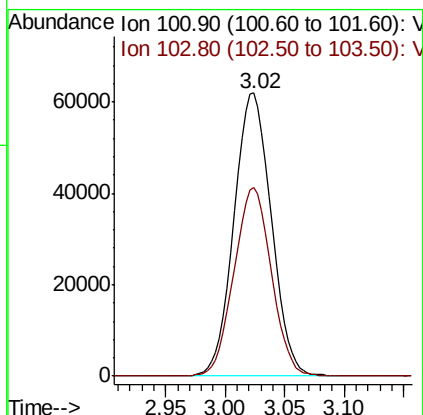
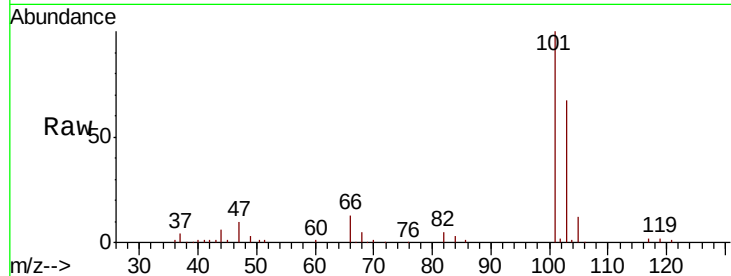


#7

Trichlorofluoromethane
 Concen: 20.944 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :

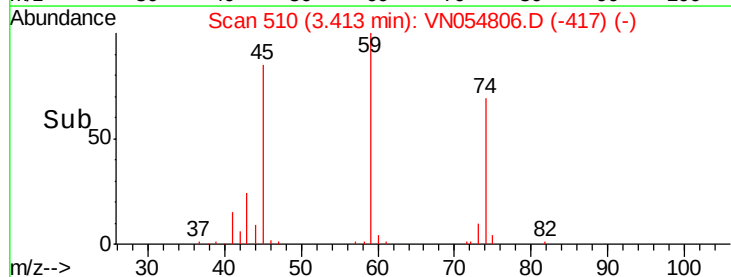
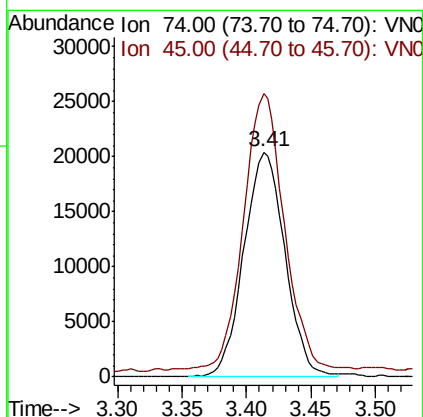
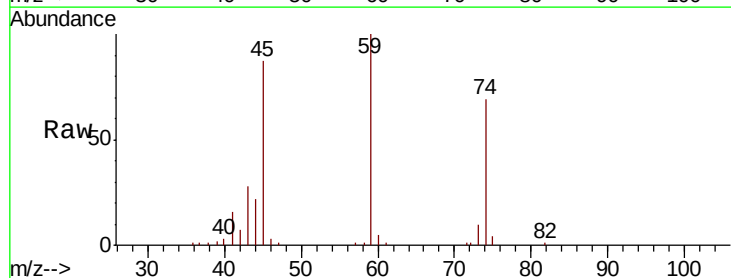
Tot Ion:101 Resp: 134576
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.4 77.2

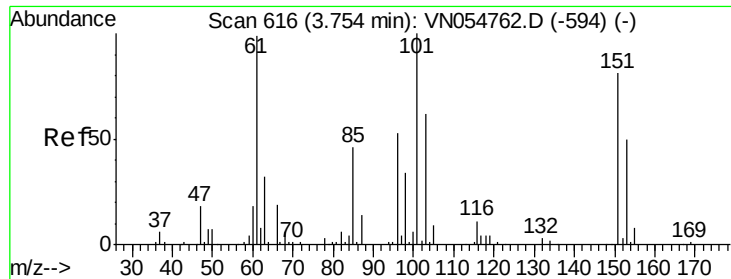


#8

Diethyl Ether
 Concen: 21.938 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 74 Resp: 45390
 Ion Ratio Lower Upper
 74 100
 45 120.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.640 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

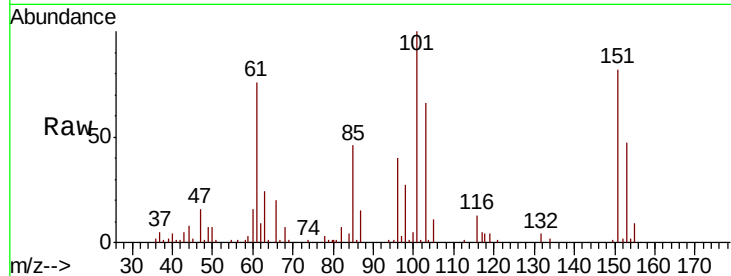
Tot Ion:101 Resp: 69816

Ion Ratio Lower Upper

101 100

85 46.2 32.4 48.6

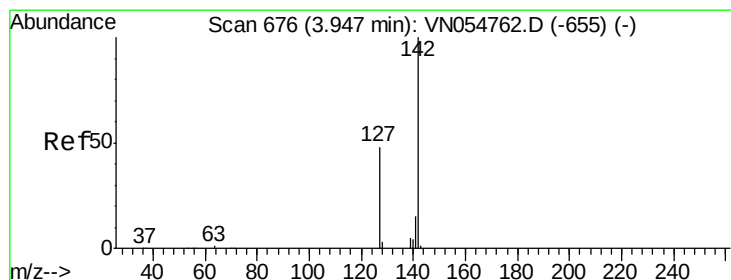
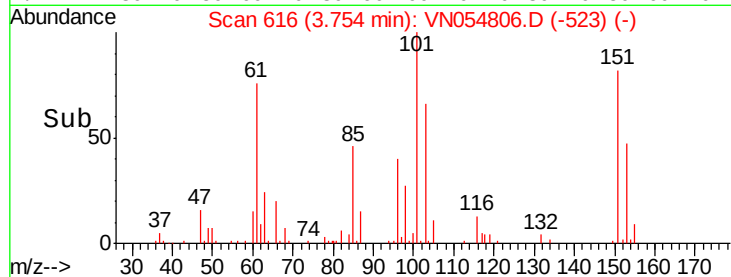
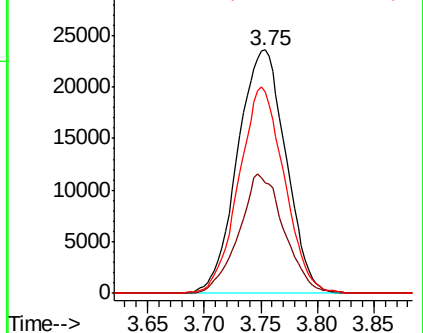
151 80.0 68.2 102.2



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: 20.920 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

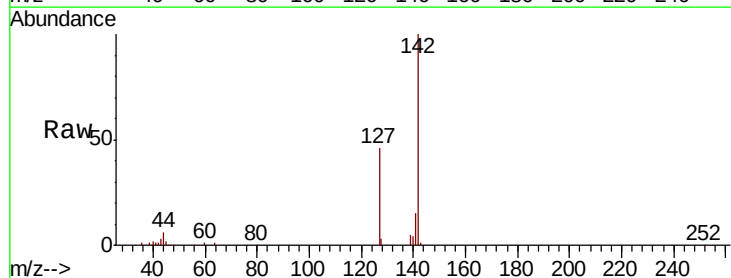
Tgt Ion:142 Resp: 96871

Ion Ratio Lower Upper

142 100

127 47.1 30.3 45.5#

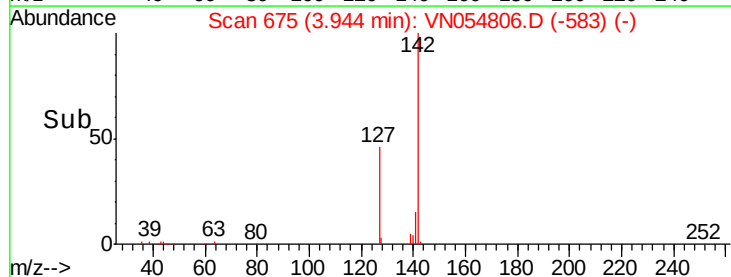
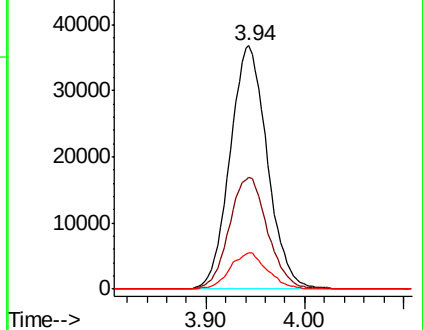
141 14.9 11.2 16.8

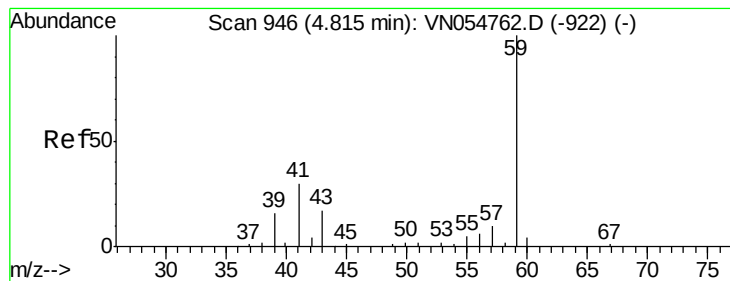


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



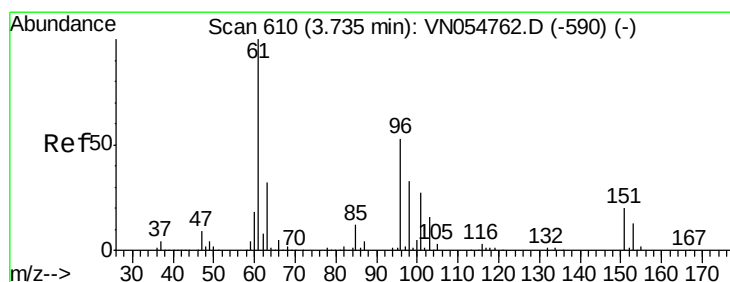
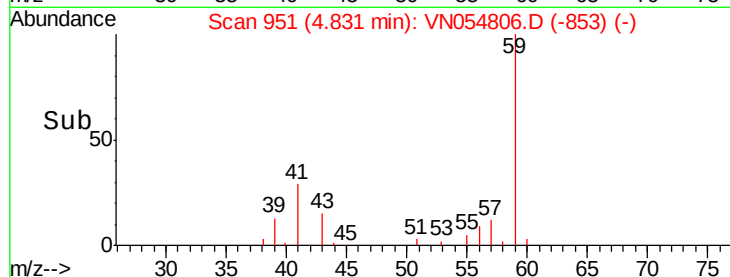
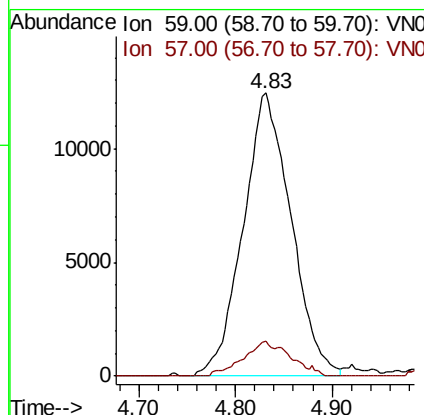
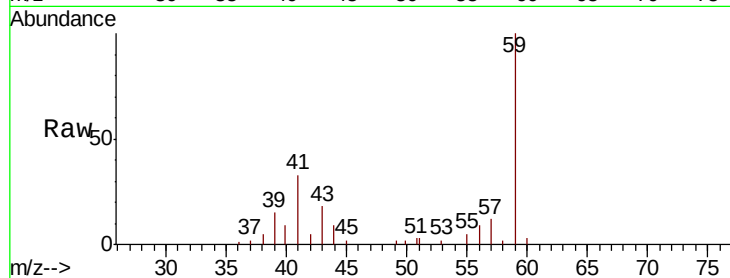


#11

Tert butyl alcohol
 Concen: 146.741 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampled :

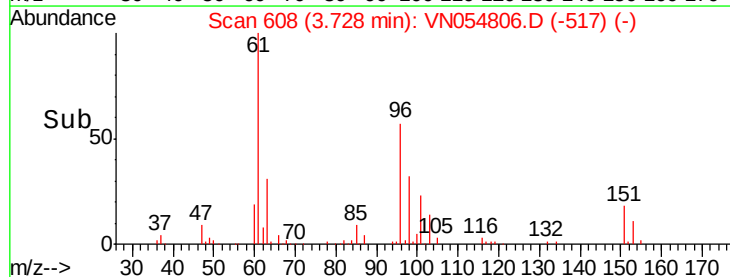
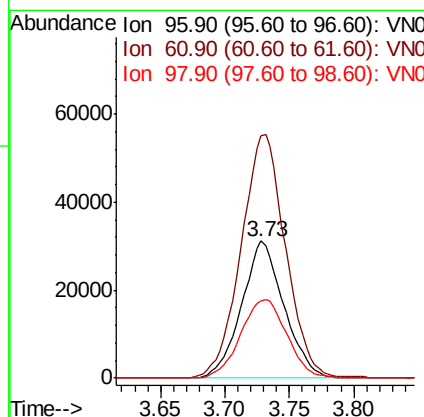
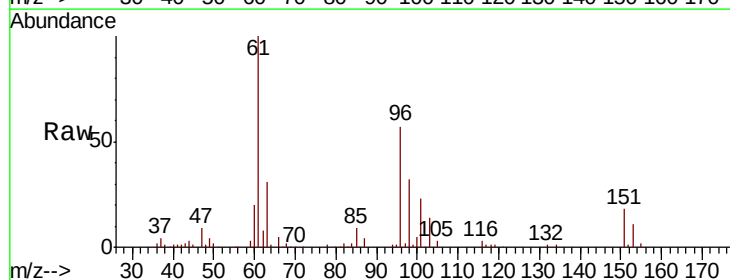
Tot Ion: 59 Resp: 42888
 Ion Ratio Lower Upper
 59 100
 57 7.7 9.0 13.6#

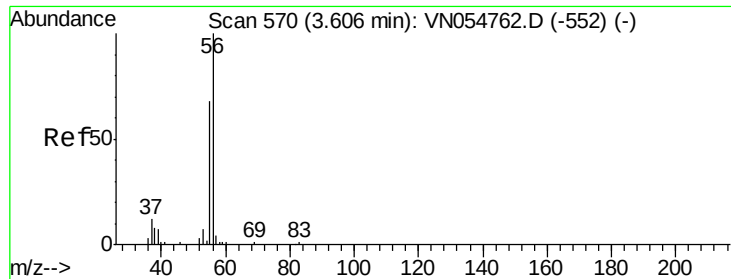


#12

1,1-Dichloroethene
 Concen: 21.766 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 96 Resp: 71199
 Ion Ratio Lower Upper
 96 100
 61 176.1 116.5 174.7#
 98 56.1 51.0 76.4





#13

Acrolein

Concen: 150.043 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

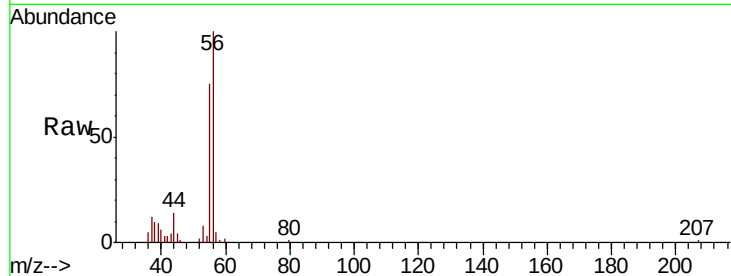
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 39204

Ion Ratio Lower Upper

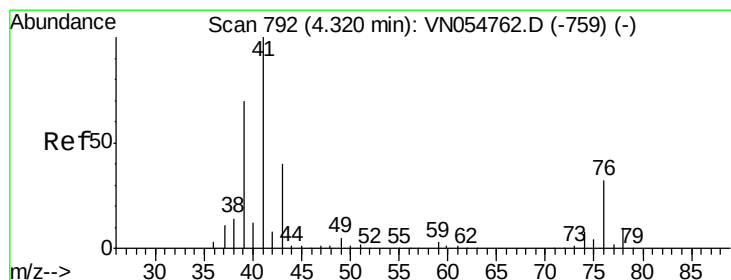
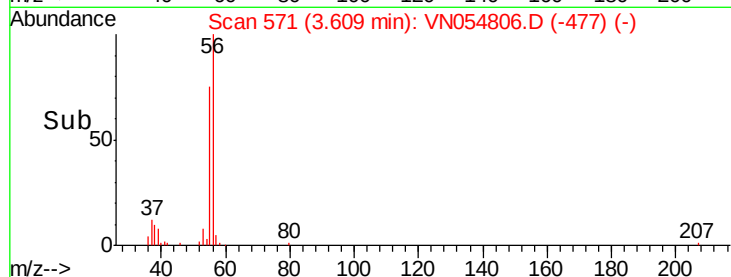
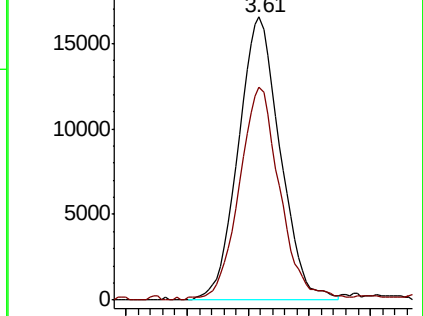
56 100

55 73.2 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: 20.663 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

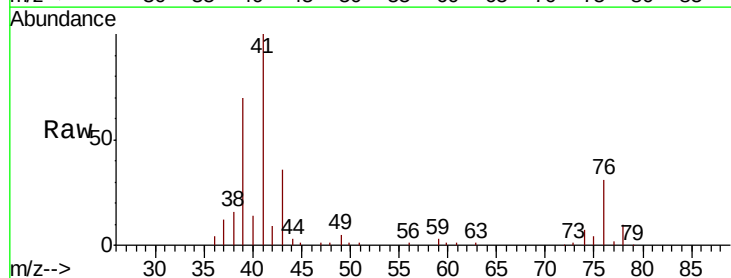
Tgt Ion: 41 Resp: 166481

Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

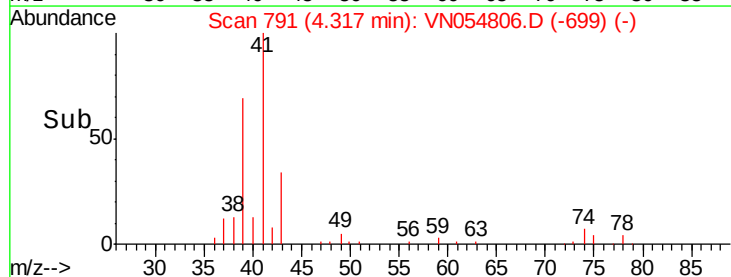
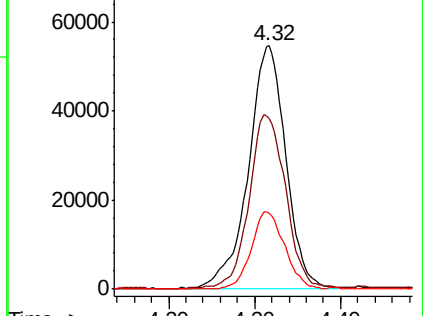
76 28.3 31.7 47.5#

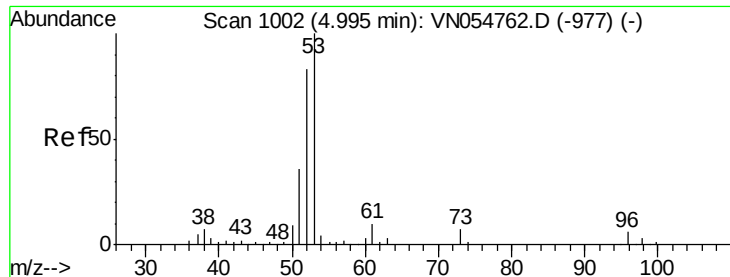


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 124.126 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

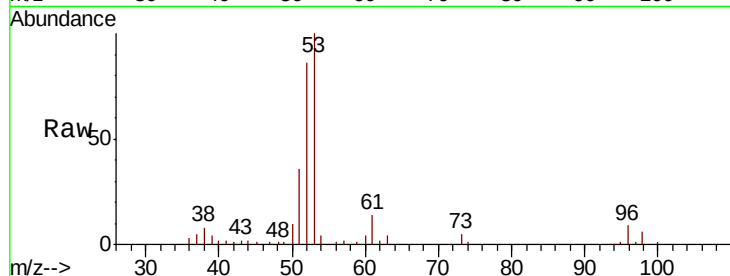
Tot Ion: 53 Resp: 201646

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

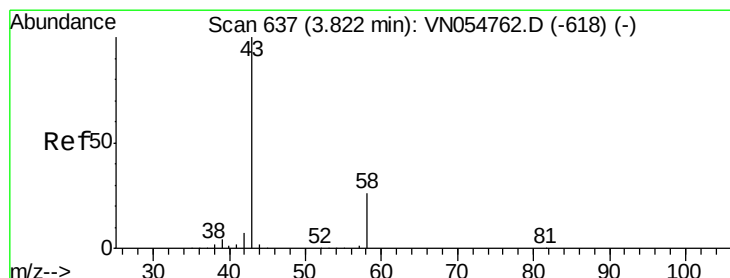
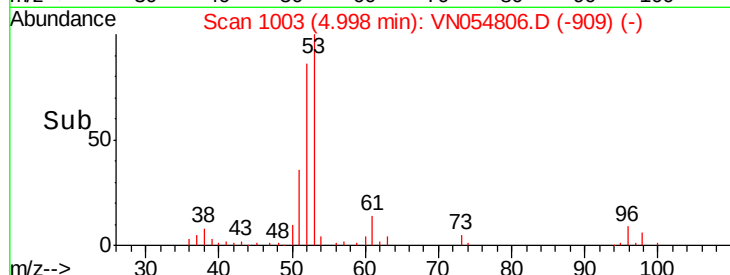
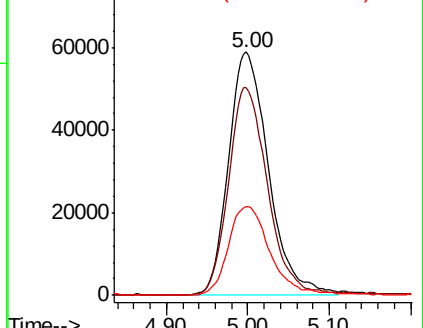
51 37.9 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054806.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN054806.D (-909) (-)

Ion 51.00 (50.70 to 51.70): VN054806.D (-909) (-)



#16

Acetone

Concen: 110.493 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054806.D

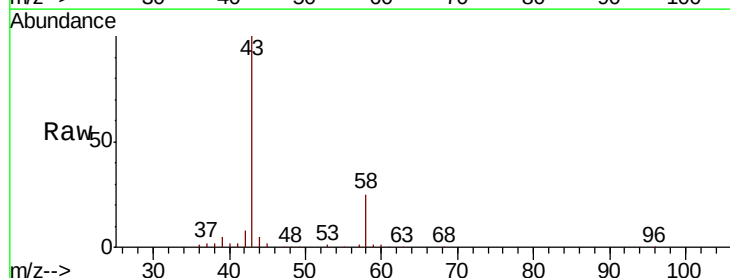
Acq: 30 Mar 2019 16:52

Tgt Ion: 43 Resp: 147805

Ion Ratio Lower Upper

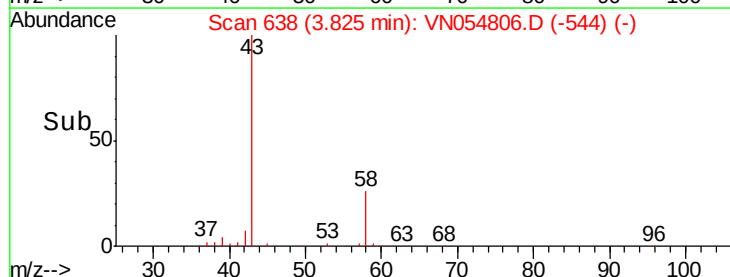
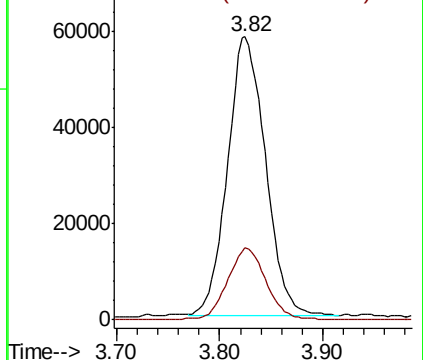
43 100

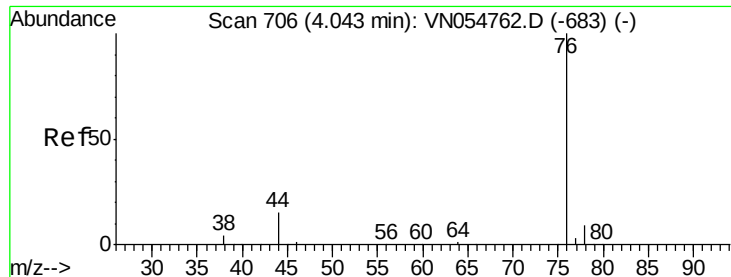
58 25.6 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054806.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054806.D (-544) (-)

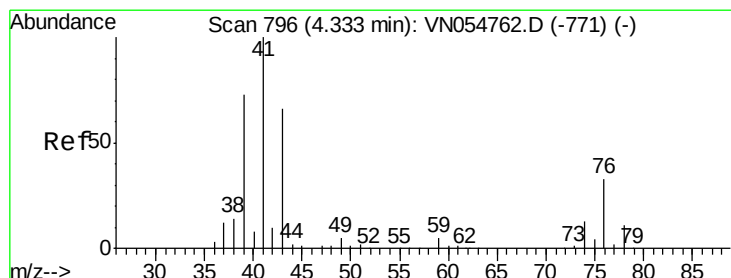
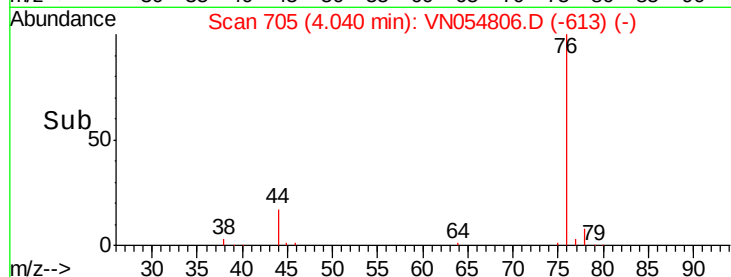
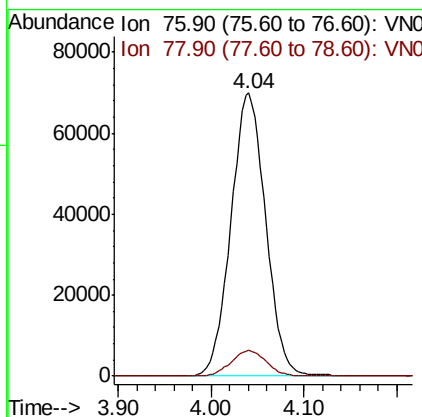
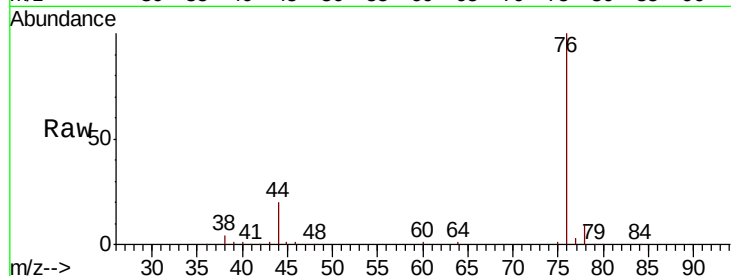




#17
Carbon Disulfide
Concen: 17.114 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

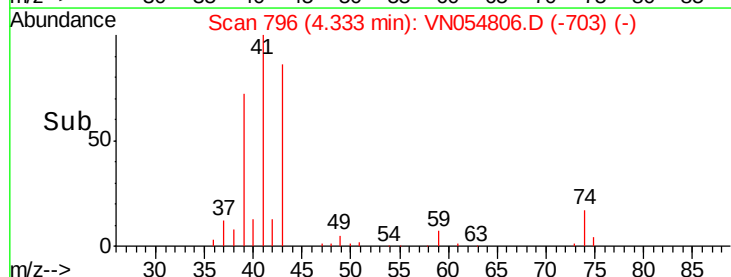
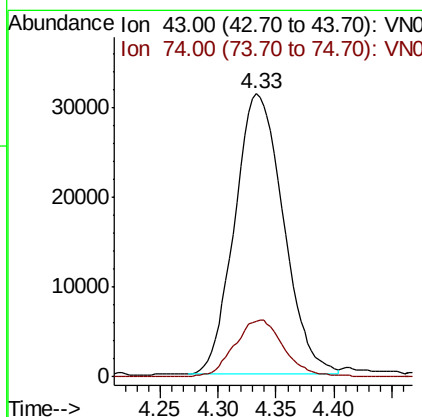
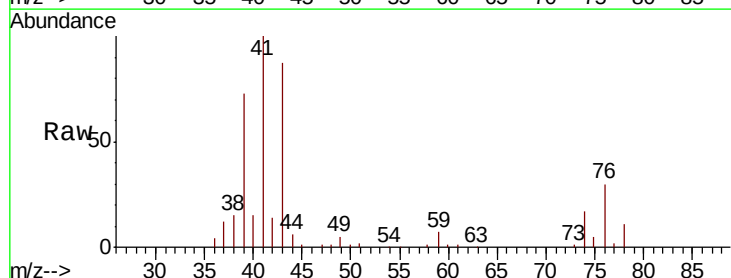
Instrument :
MSVOA_N
ClientSampled :

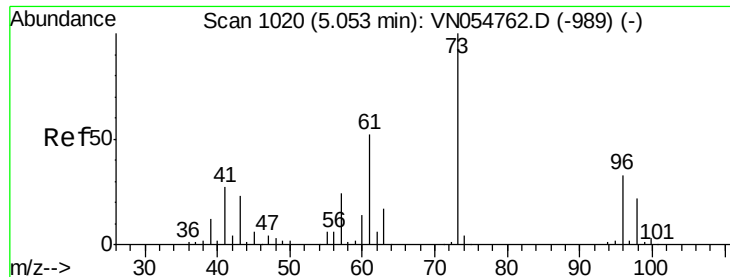
Tot Ion: 76 Resp: 181569
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 25.796 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 43 Resp: 91431
Ion Ratio Lower Upper
43 100
74 20.6 20.8 31.2#

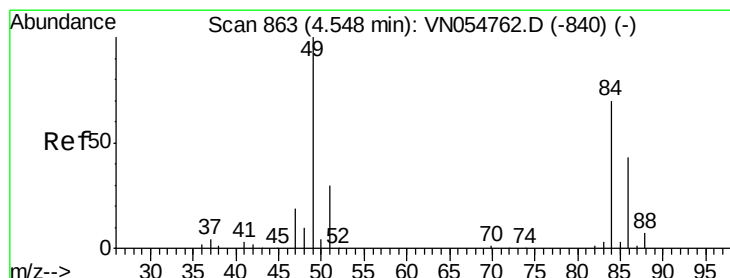
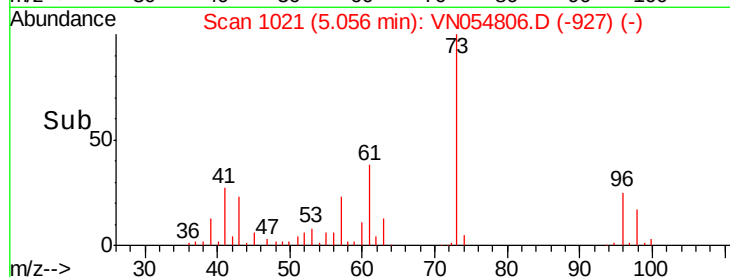
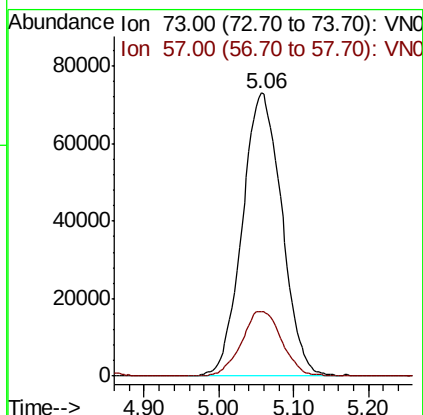
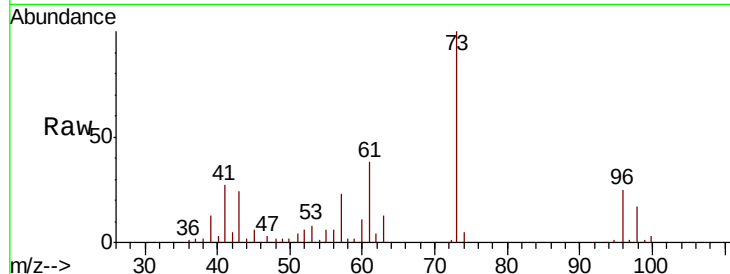




#19
Methyl tert-butyl Ether
Concen: 23.471 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

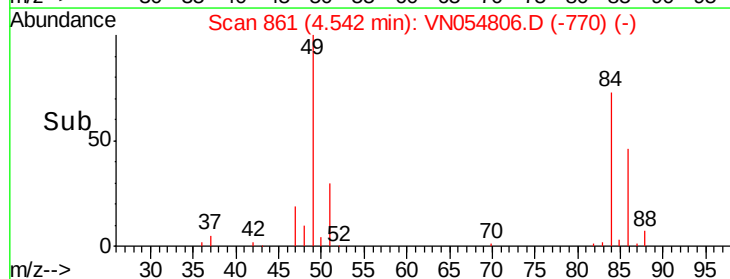
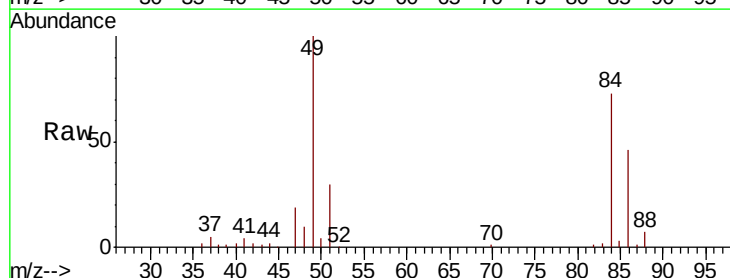
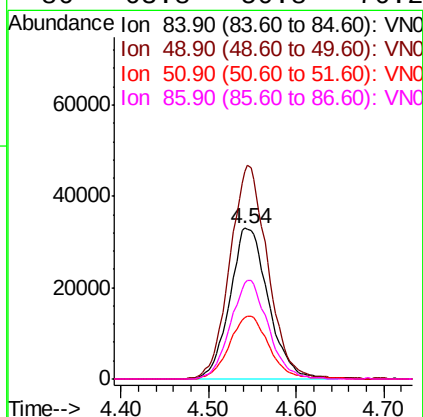
Instrument :
MSVOA_N
ClientSampled :

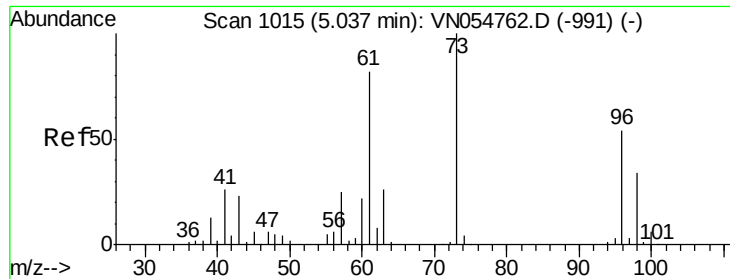
Tot Ion: 73 Resp: 268564
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 21.350 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 84 Resp: 100744
Ion Ratio Lower Upper
84 100
49 137.1 89.7 134.5#
51 40.9 28.2 42.4
86 63.8 50.8 76.2



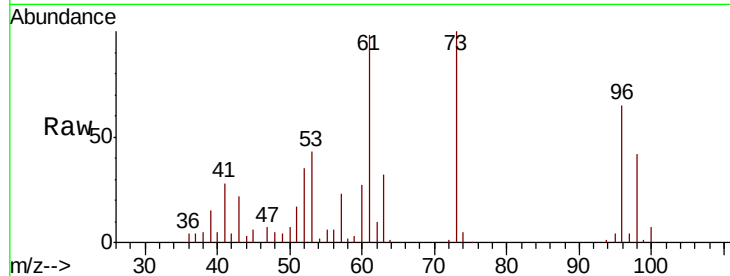


#21

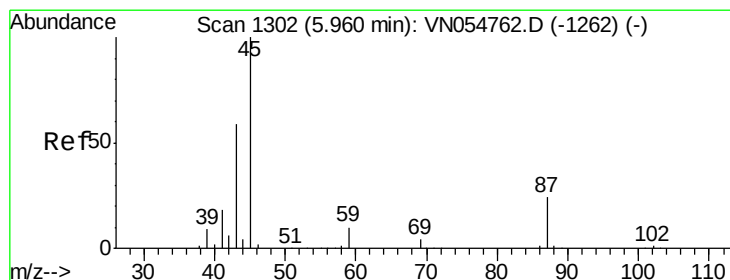
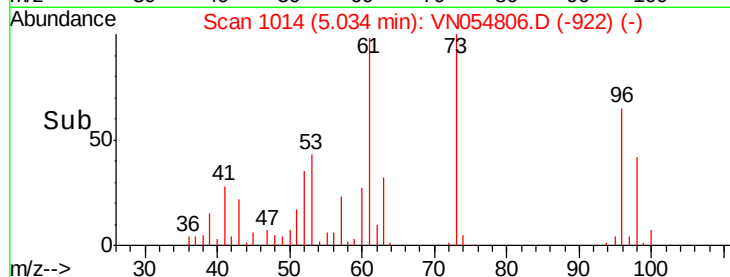
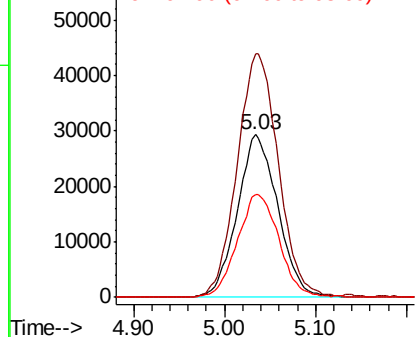
trans-1,2-Dichloroethene
Concen: 21.095 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 90634
Ion Ratio Lower Upper
96 100
61 149.6 102.8 154.2
98 63.4 50.0 75.0



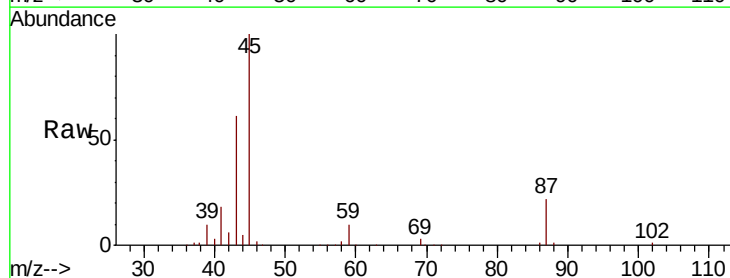
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



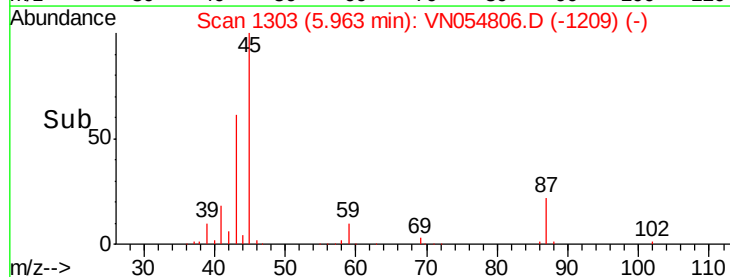
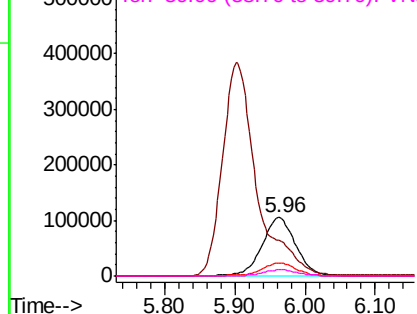
#22

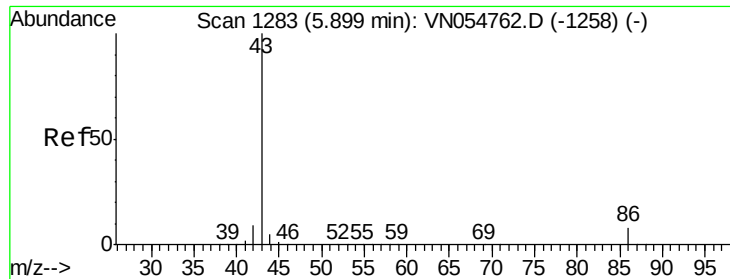
Diisopropyl ether
Concen: 22.083 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 45 Resp: 351902
Ion Ratio Lower Upper
45 100
43 60.4 48.2 72.2
87 22.0 24.9 37.3#
59 10.3 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 117.445 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

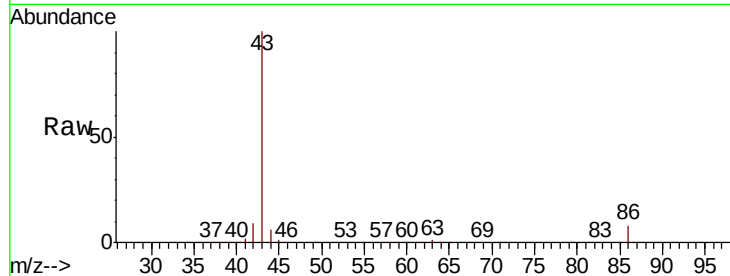
ClientSampleId :

Tot Ion: 43 Resp: 1302413

Ion Ratio Lower Upper

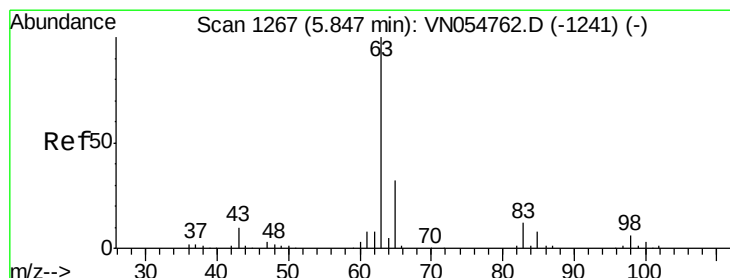
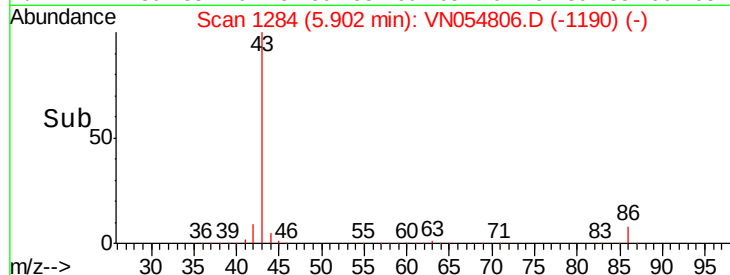
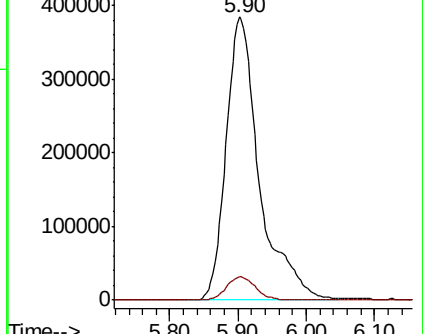
43 100

86 8.2 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.630 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

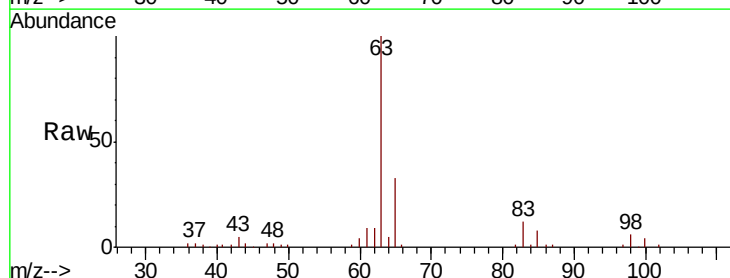
Tgt Ion: 63 Resp: 183871

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

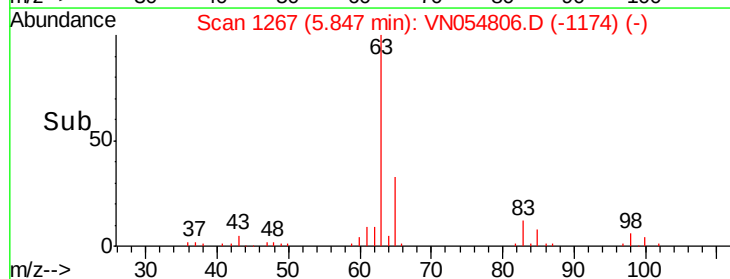
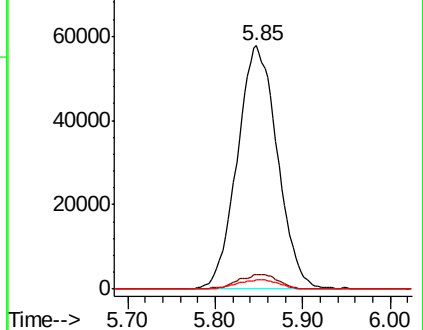
100 3.8 2.0 6.0

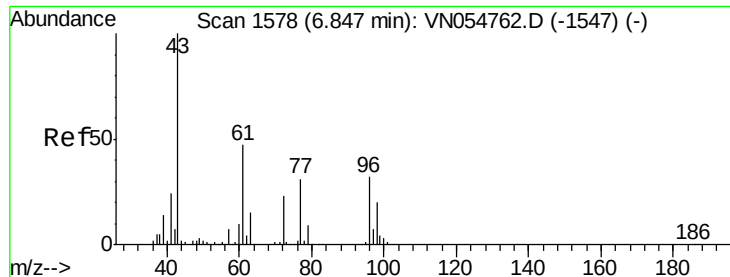


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 130.143 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

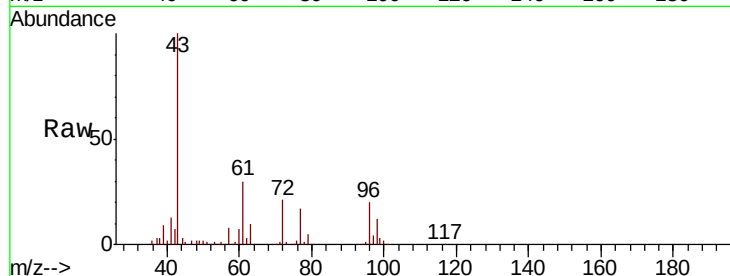
ClientSampled :

Tot Ion: 43 Resp: 257341

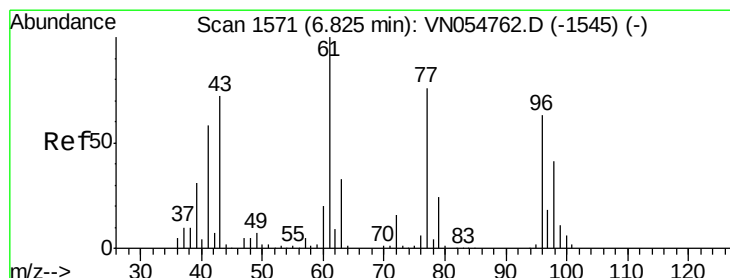
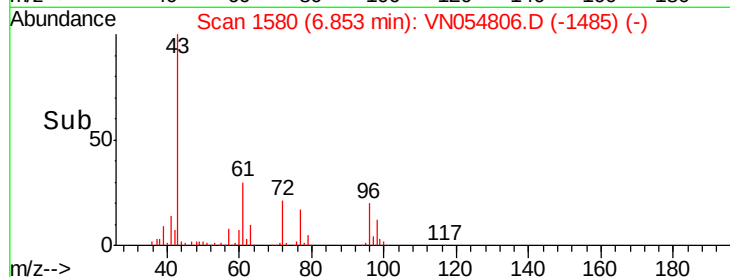
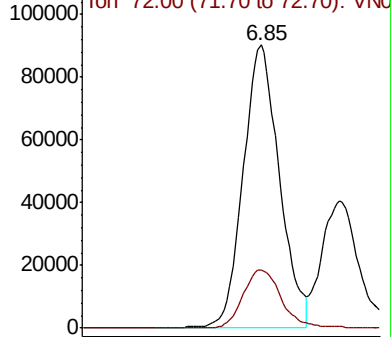
Ion Ratio Lower Upper

43 100

72 20.6 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1547) (-)



#26

2,2-Dichloropropane

Concen: 18.151 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054806.D

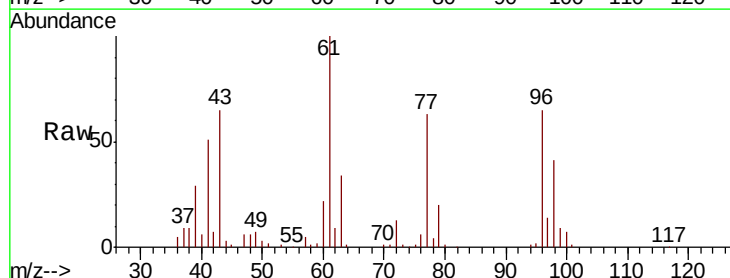
Acq: 30 Mar 2019 16:52

Tgt Ion: 77 Resp: 108146

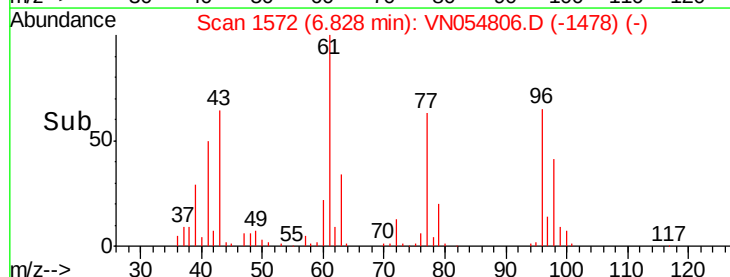
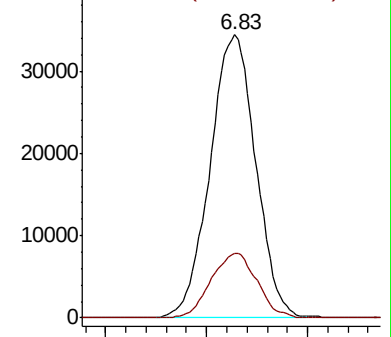
Ion Ratio Lower Upper

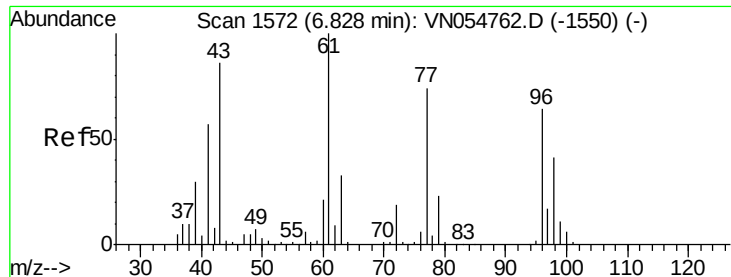
77 100

97 23.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN054762.D (-1545) (-)





#27

cis-1,2-Dichloroethene

Concen: 21.411 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

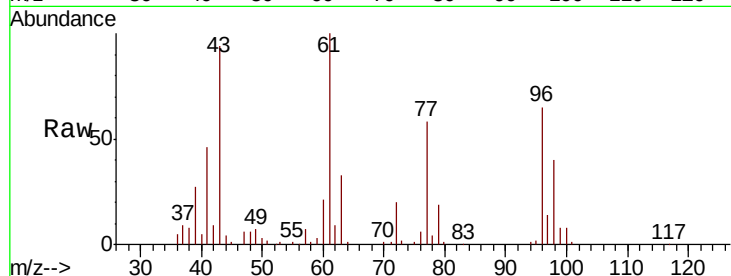
Tot Ion: 96 Resp: 103922

Ion Ratio Lower Upper

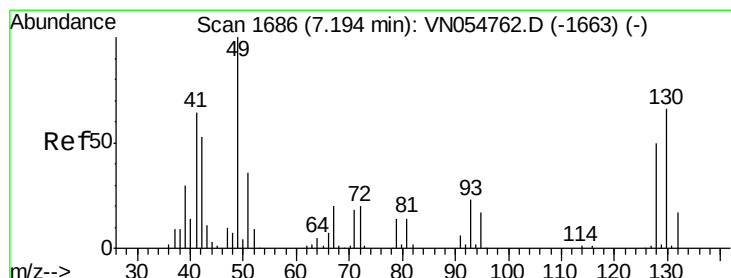
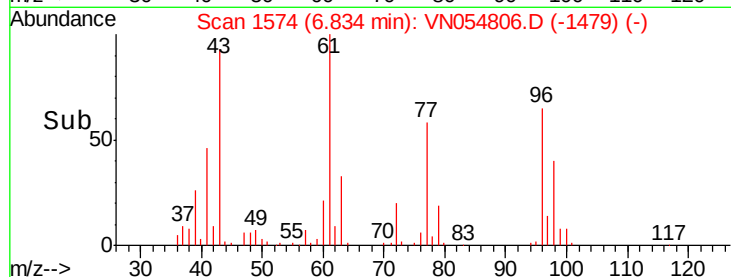
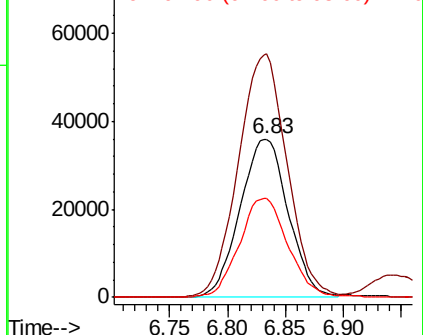
96 100

61 155.8 0.0 273.0

98 62.9 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: 24.854 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

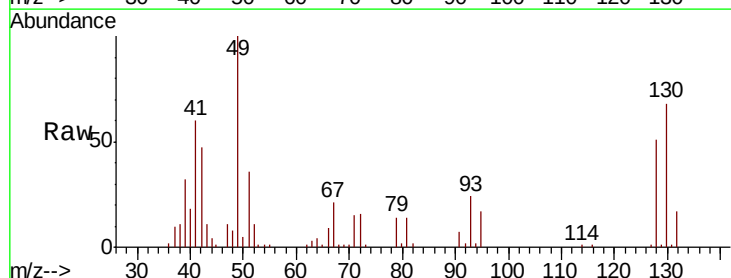
Tgt Ion: 49 Resp: 105643

Ion Ratio Lower Upper

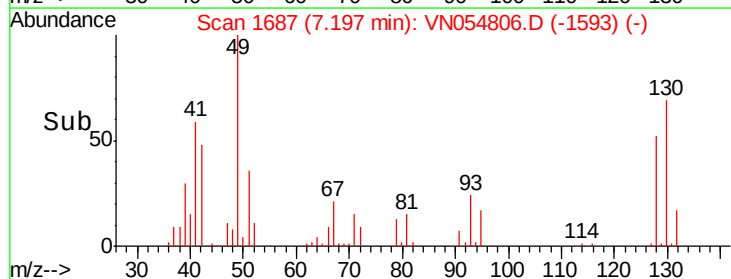
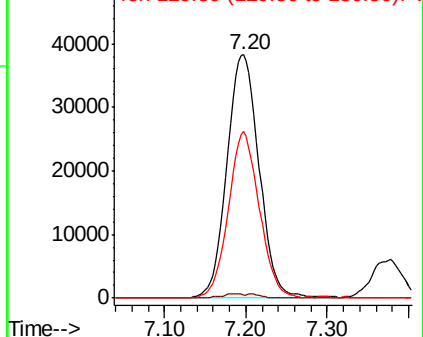
49 100

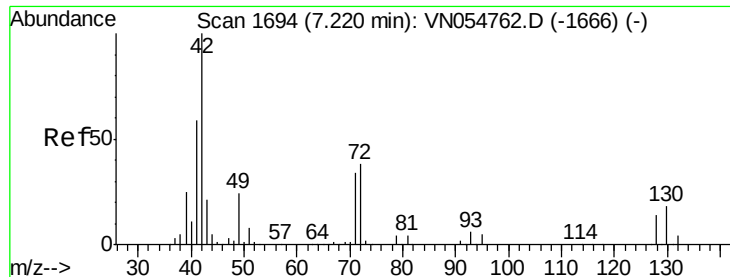
129 0.7 0.0 4.6

130 65.5 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: 130.144 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

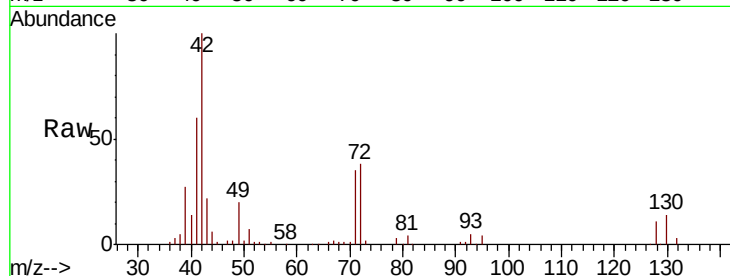
Tot Ion: 42 Resp: 178737

Ion Ratio Lower Upper

42 100

72 36.8 37.8 56.6#

71 33.9 36.2 54.2#

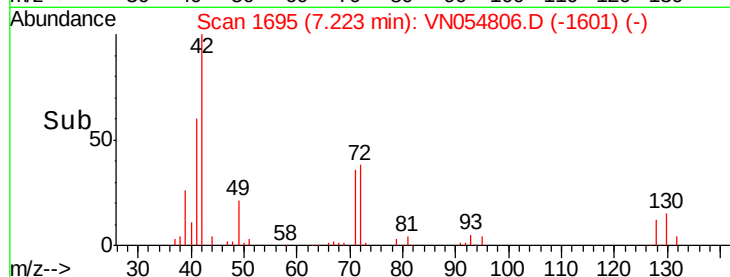


Abundance Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)

Time-->



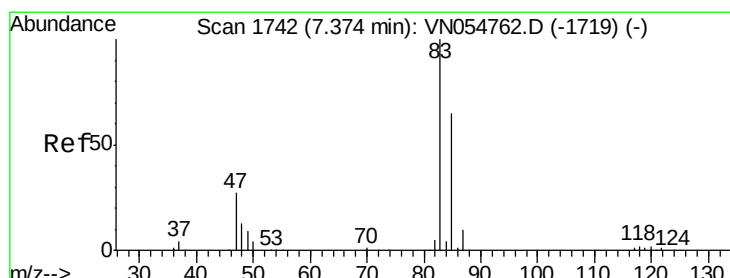
Abundance

Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)

Time-->



#30

Chloroform

Concen: 22.334 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054806.D

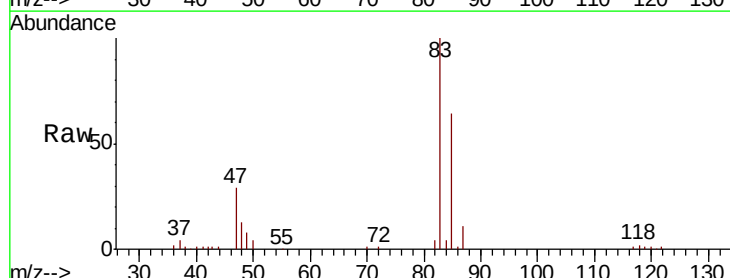
Acq: 30 Mar 2019 16:52

Tgt Ion: 83 Resp: 181036

Ion Ratio Lower Upper

83 100

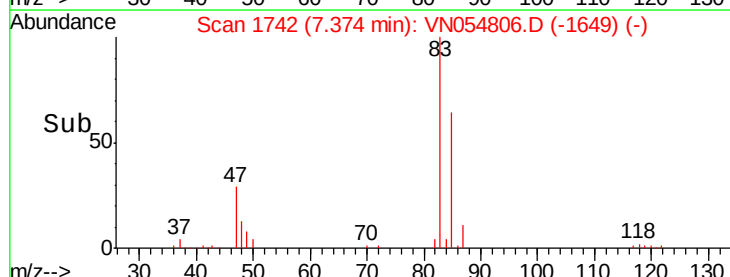
85 63.9 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-1719) (-)

Time-->

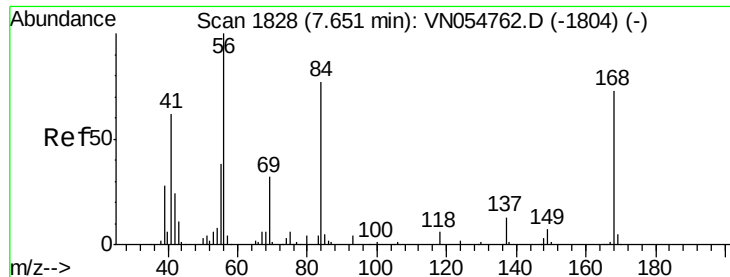


Abundance

Ion 82.90 (82.60 to 83.60): VN054762.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-1719) (-)

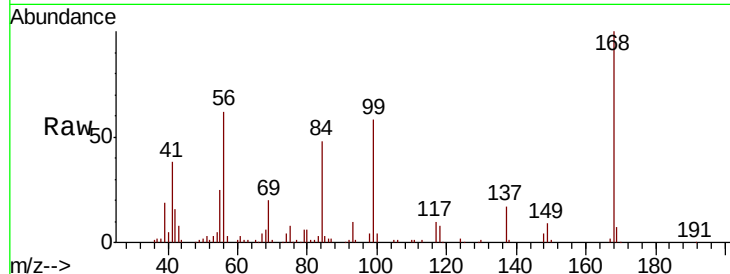
Time-->



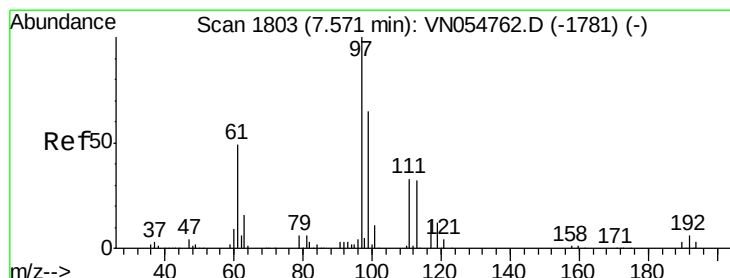
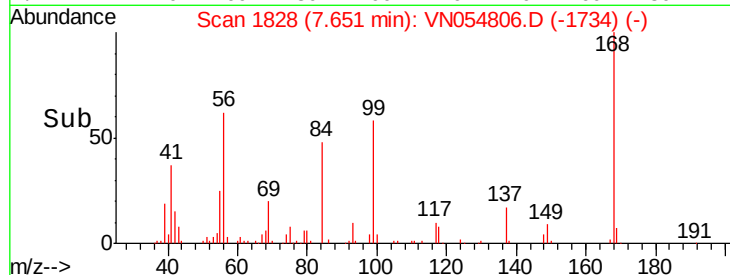
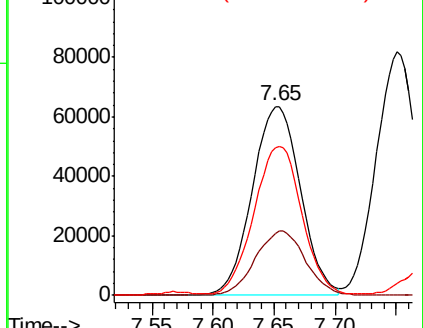
#31
Cyclohexane
Concen: 21.290 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 174065
Ion Ratio Lower Upper
56 100
69 32.7 27.8 41.6
84 76.8 74.6 111.8

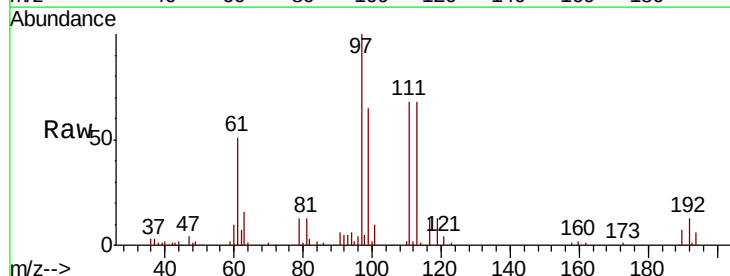


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

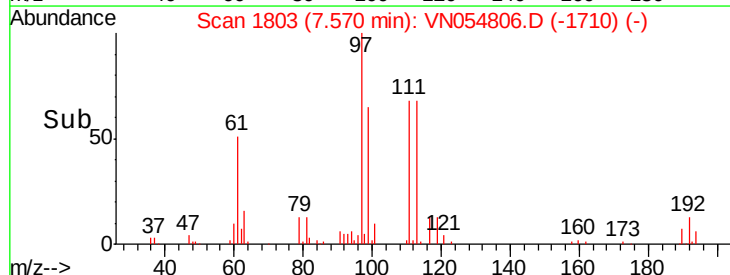
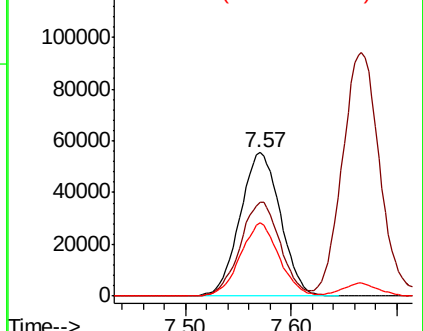


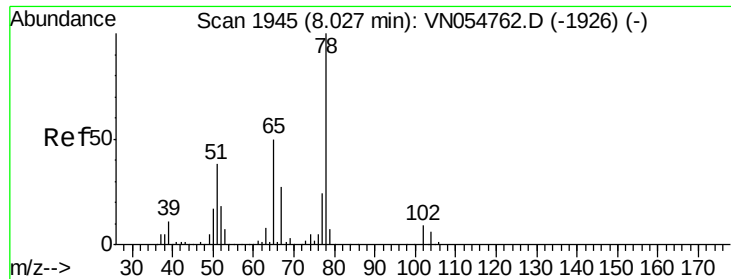
#32
1,1,1-Trichloroethane
Concen: 22.050 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 97 Resp: 148119
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 48.9 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

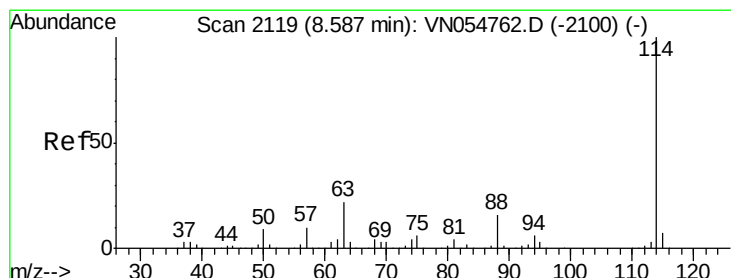
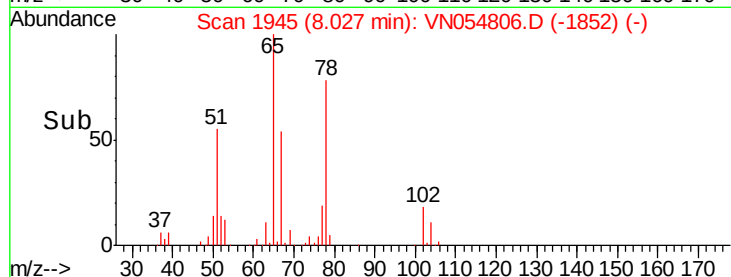
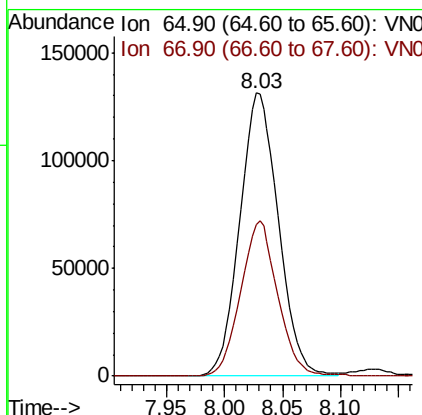
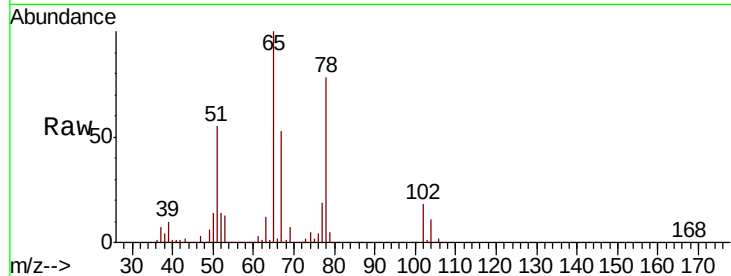




#33
 1,2-Dichloroethane-d4
 Concen: 54.311 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

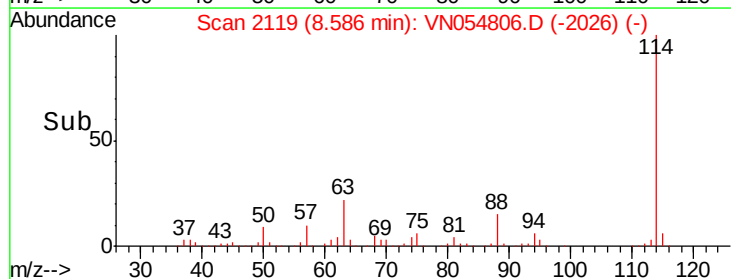
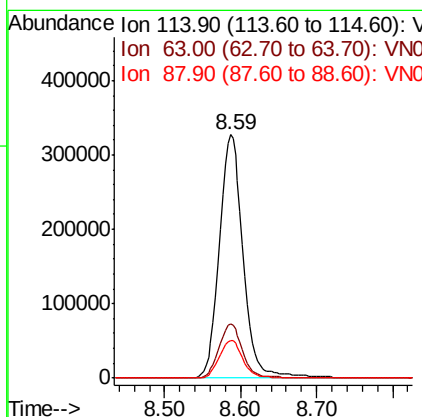
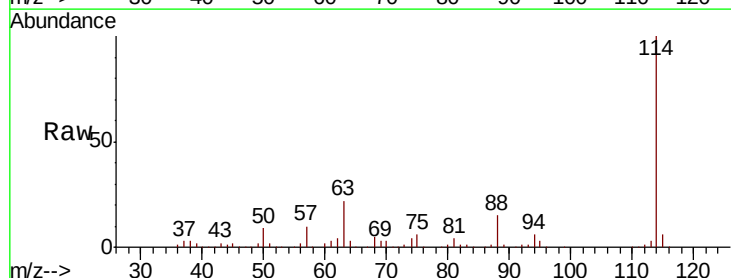
Instrument :
 MSVOA_N
 ClientSampled :

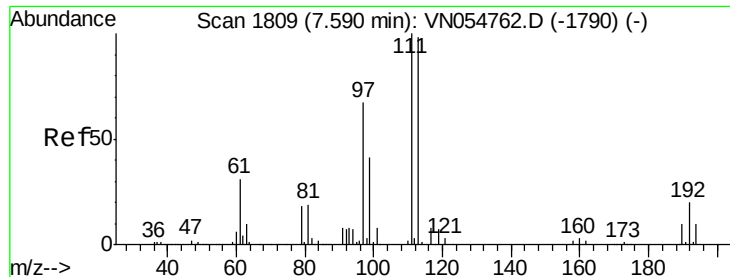
Tot Ion: 65 Resp: 304660
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 114 Resp: 712217
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.4 0.0 30.2

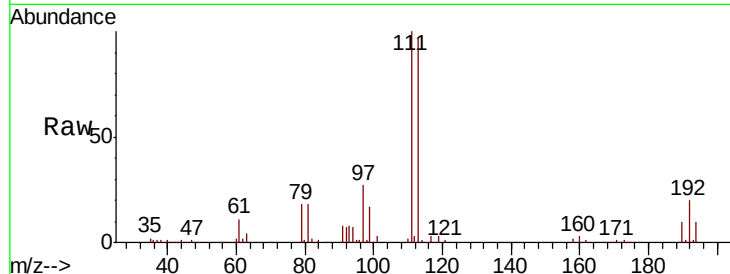




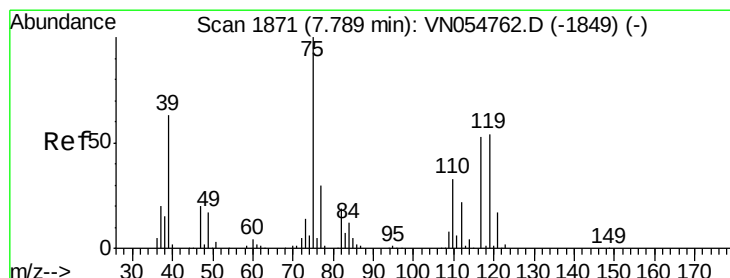
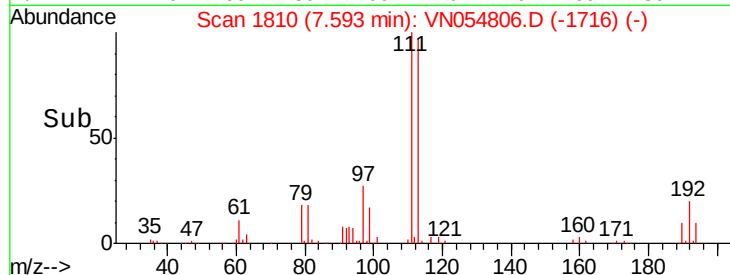
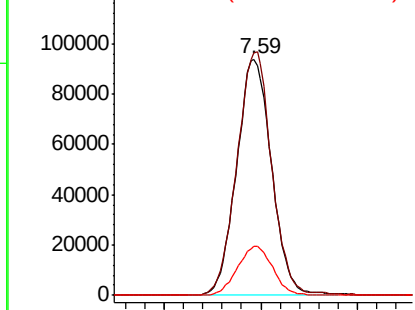
#35
Dibromofluoromethane
Concen: 49.703 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	20.8	19.2	28.8

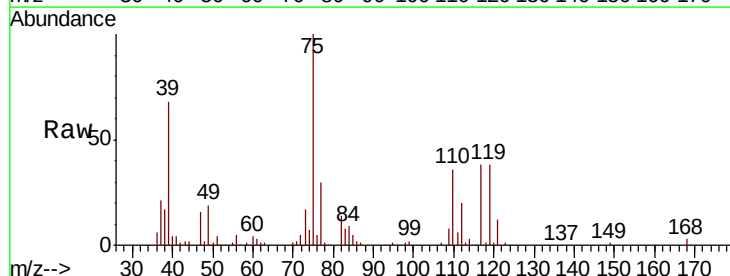


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

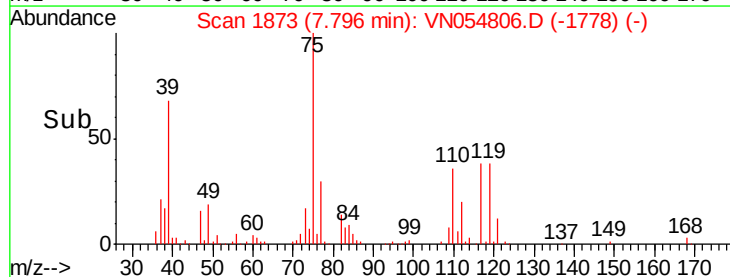
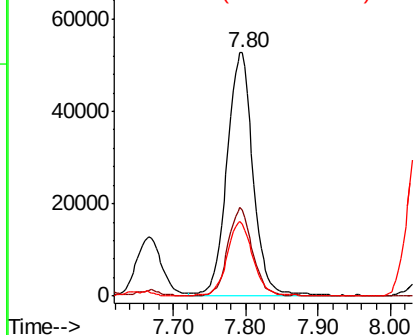


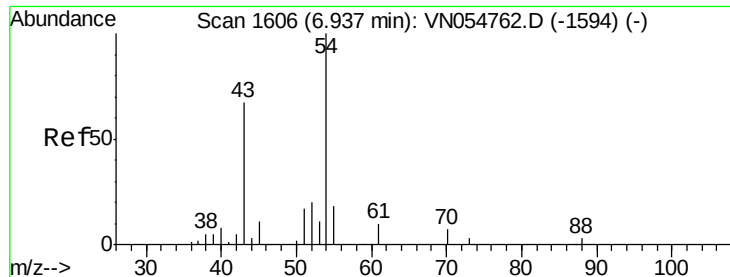
#36
1,1-Dichloropropene
Concen: 19.766 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.5
77	30.8	25.0	37.4



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

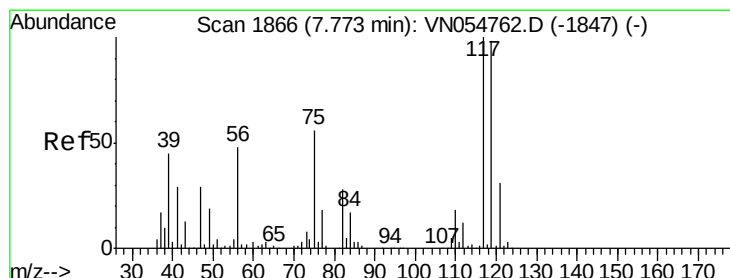
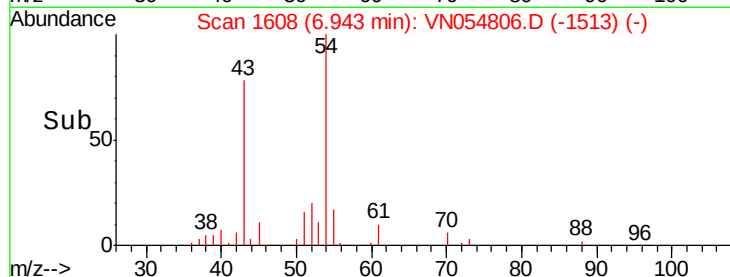
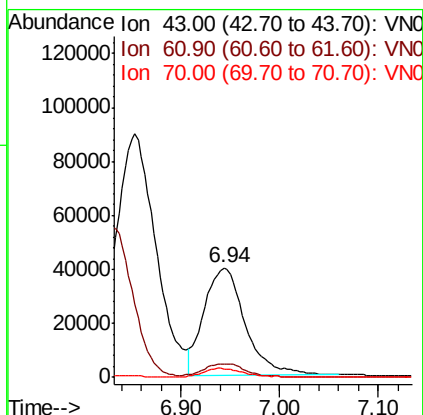
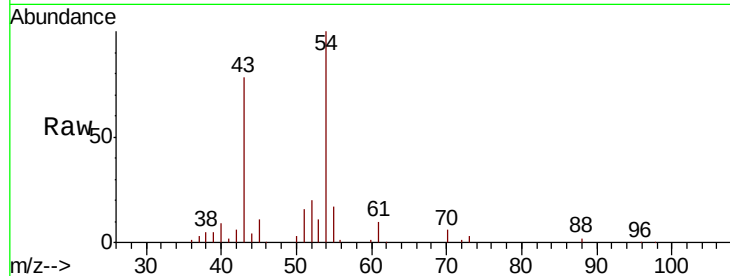




#37
Ethyl Acetate
Concen: 23.922 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

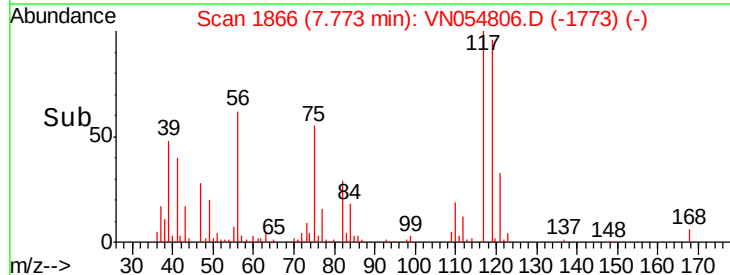
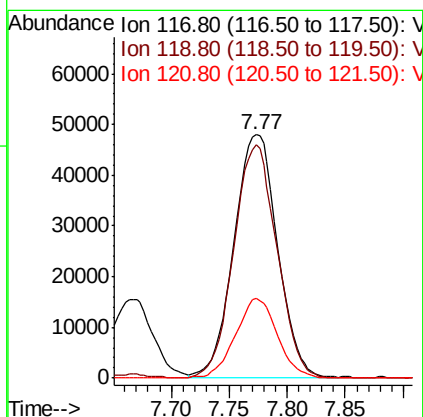
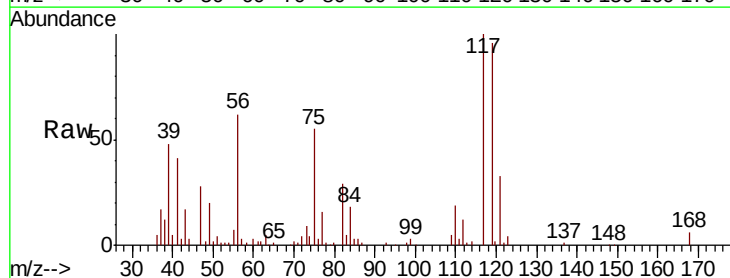
Instrument :
MSVOA_N
ClientSampled :

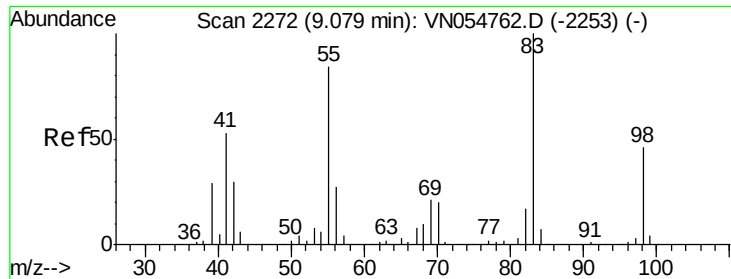
Tot Ion: 43 Resp: 116421
Ion Ratio Lower Upper
43 100
61 12.6 11.8 17.6
70 8.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 19.391 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 117 Resp: 124994
Ion Ratio Lower Upper
117 100
119 96.4 76.3 114.5
121 33.1 24.6 36.8

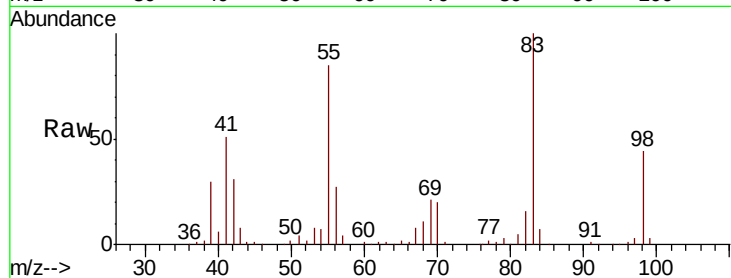




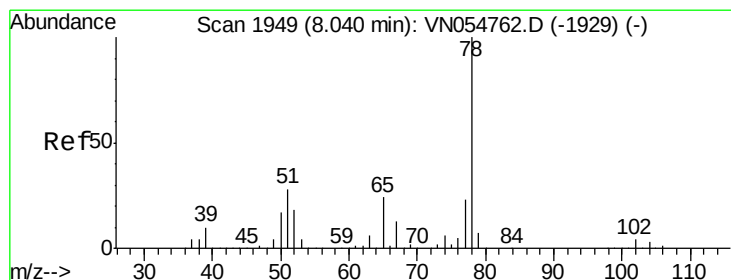
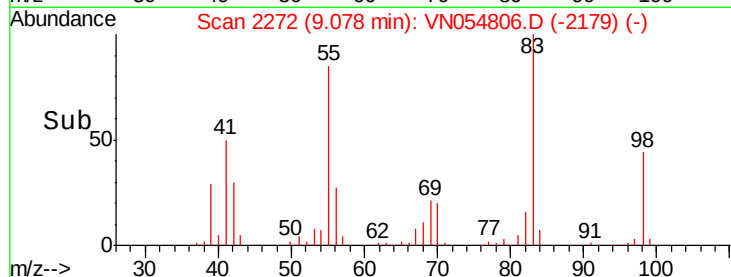
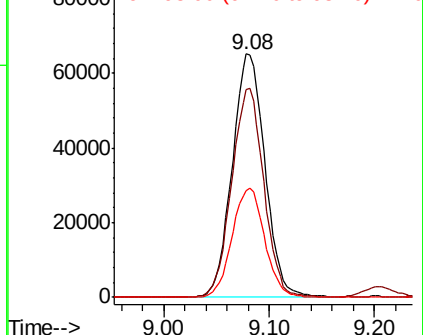
#39
Methylvlcyclohexane
Concen: 19.225 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 140264
Ion Ratio Lower Upper
83 100
55 85.4 56.6 84.8#
98 44.0 38.4 57.6

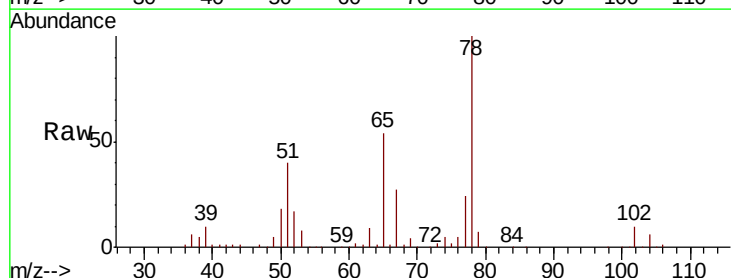


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

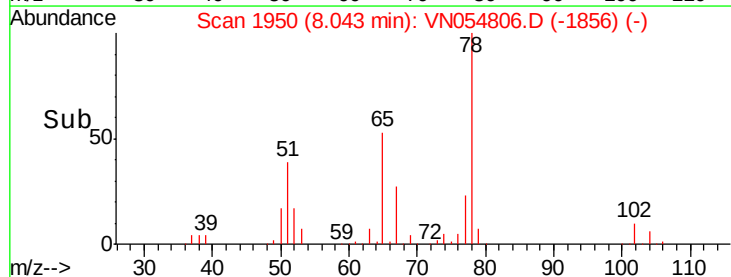
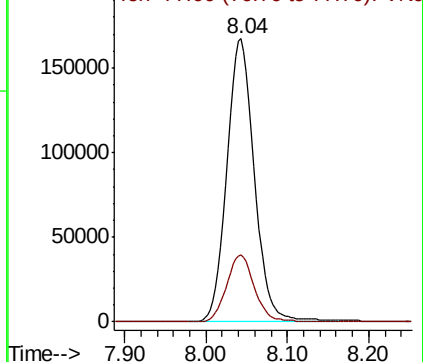


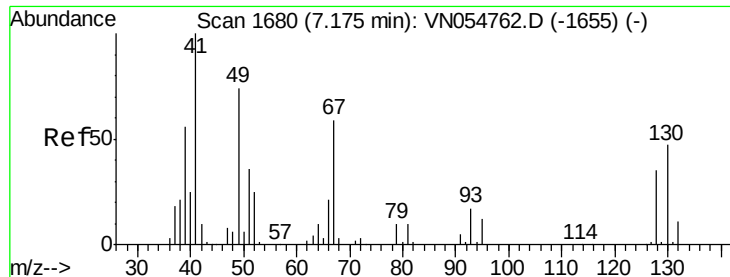
#40
Benzene
Concen: 20.948 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 78 Resp: 397785
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



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

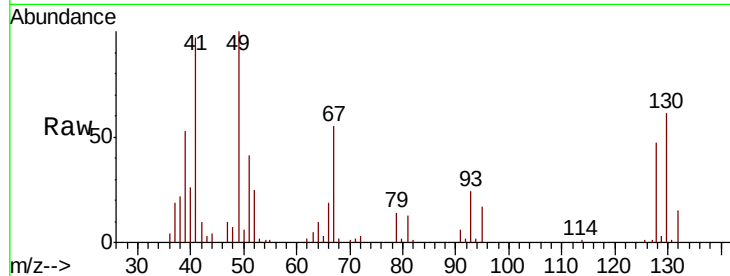




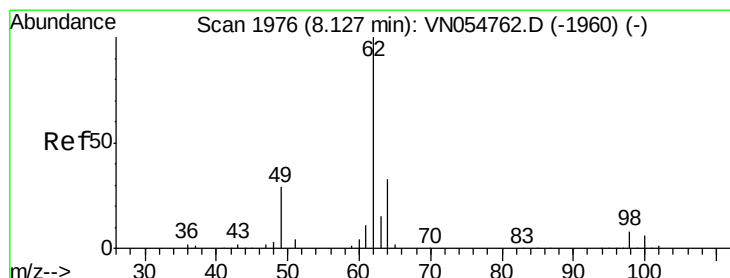
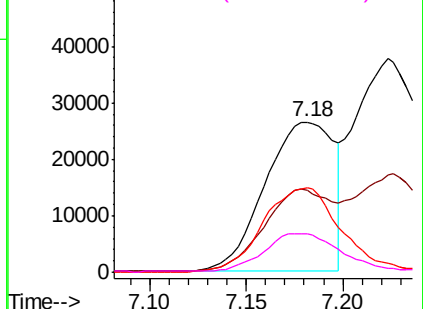
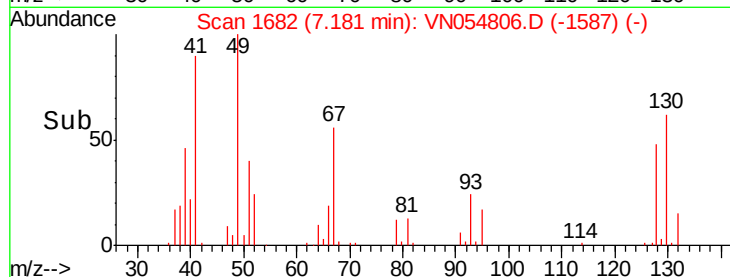
#41
Methacrylonitrile
Concen: 24.023 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 65675
Ion Ratio Lower Upper
41 100
39 53.8 46.8 70.2
67 64.5 67.0 100.4#
52 30.2 26.5 39.7

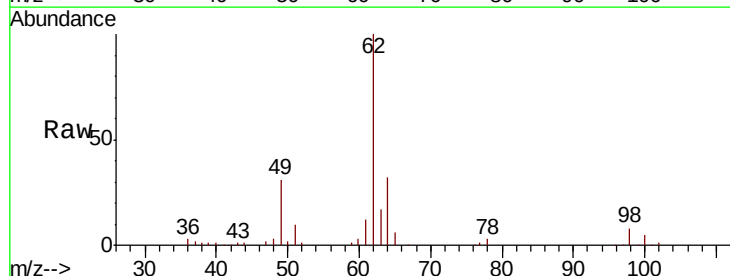


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

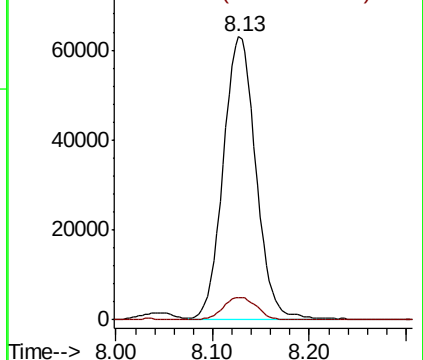
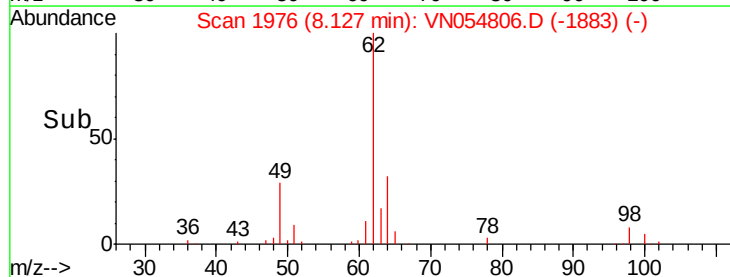


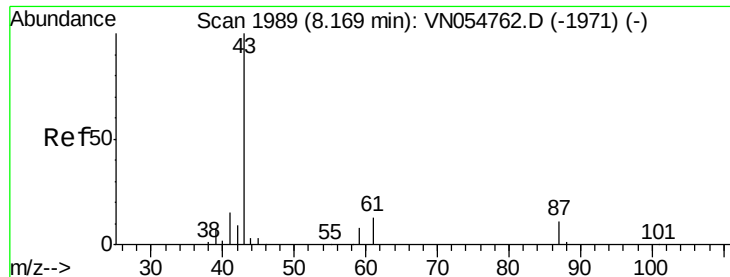
#42
1,2-Dichloroethane
Concen: 21.644 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 62 Resp: 146752
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 23.831 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

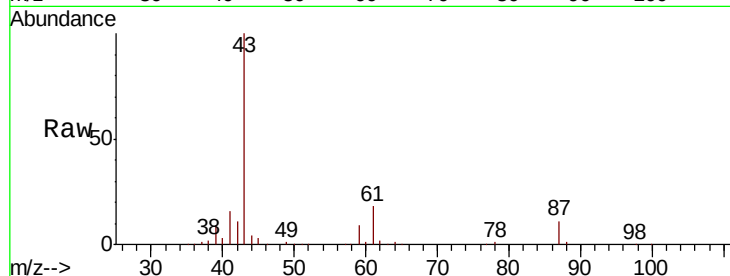
Tot Ion: 43 Resp: 188452

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

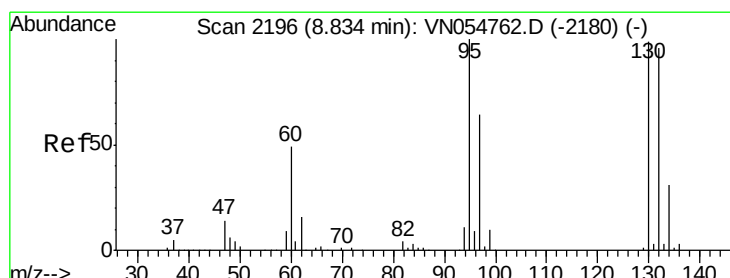
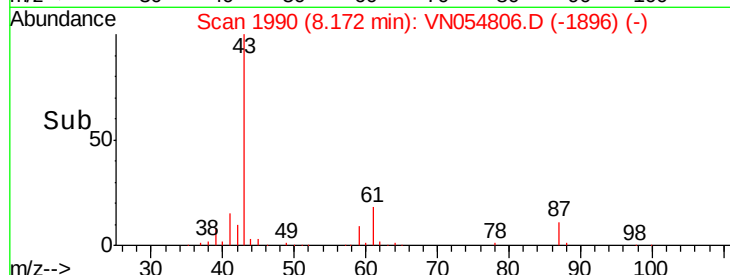
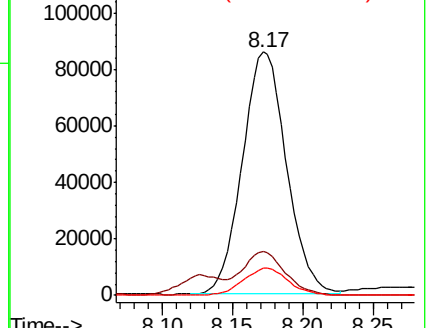
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054806.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054806.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054806.D (-1896) (-)



#44

Trichloroethene

Concen: 20.379 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054806.D

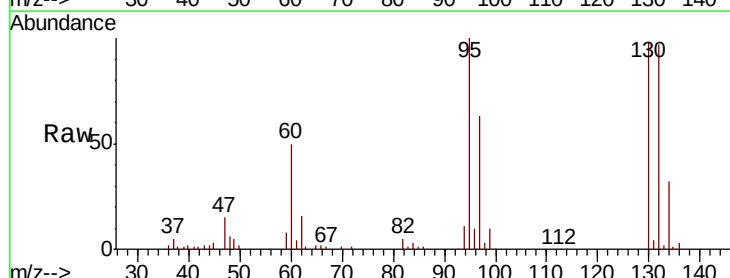
Acq: 30 Mar 2019 16:52

Tgt Ion:130 Resp: 100457

Ion Ratio Lower Upper

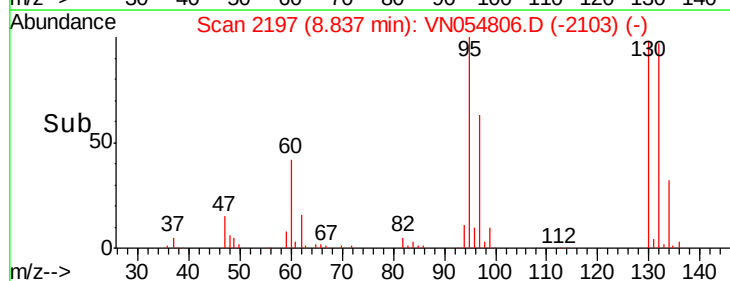
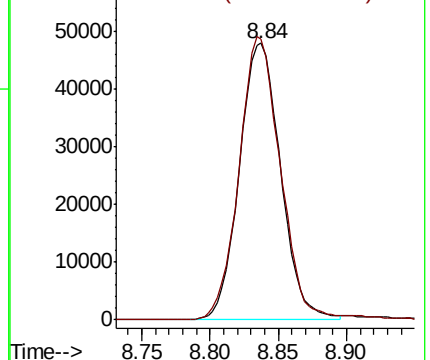
130 100

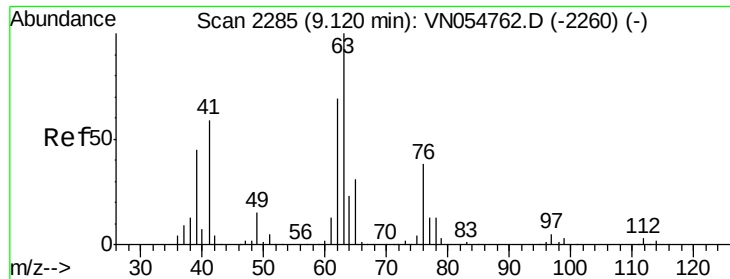
95 101.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054806.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054806.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.652 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

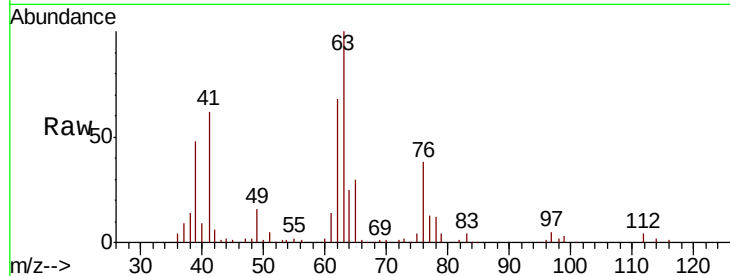
ClientSampled :

Tot Ion: 63 Resp: 111823

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

30000

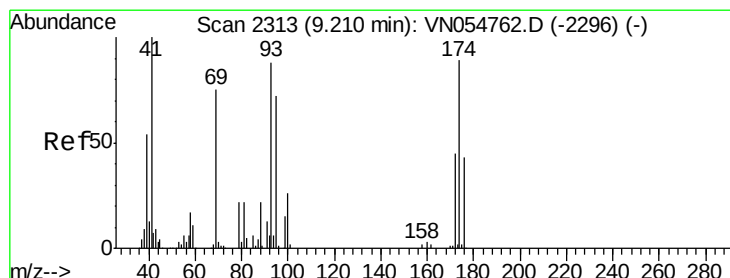
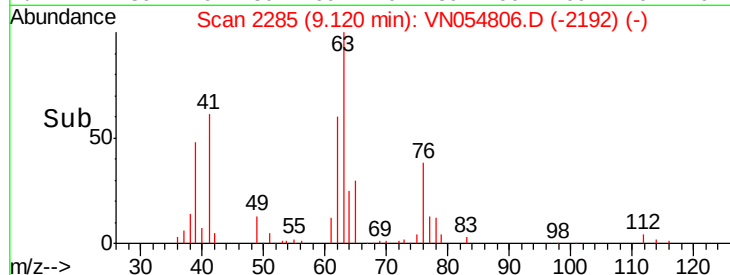
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 21.363 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

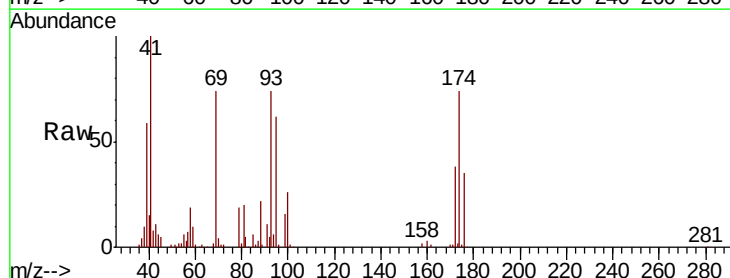
Tgt Ion: 93 Resp: 65071

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 101.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

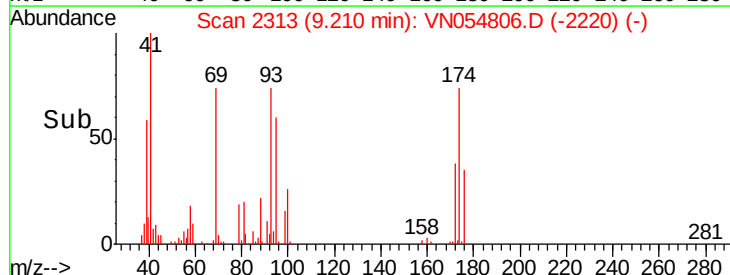
20000

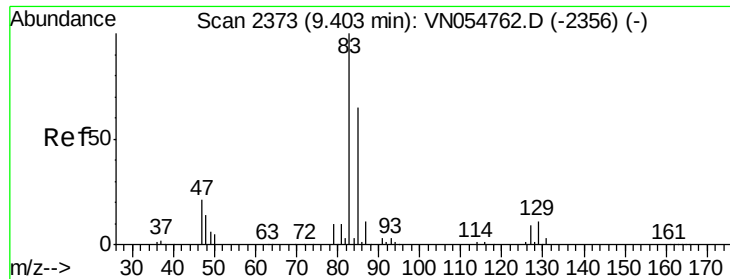
10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 20.813 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

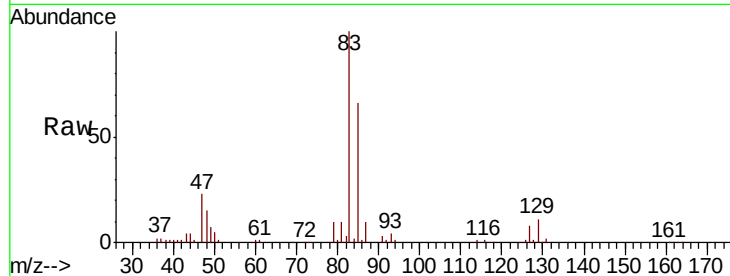
Tot Ion: 83 Resp: 131753

Ion Ratio Lower Upper

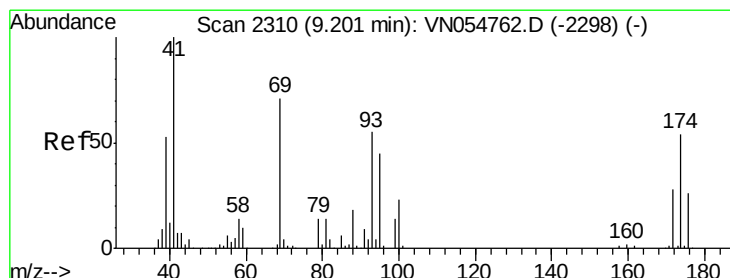
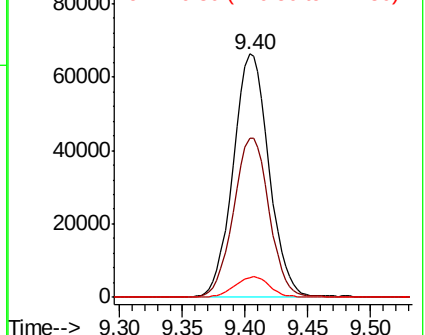
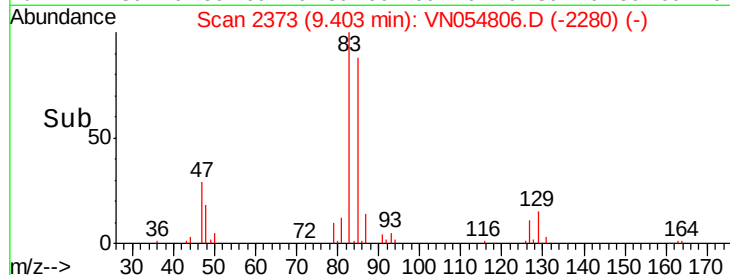
83 100

85 65.5 52.8 79.2

127 8.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054806.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.333 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

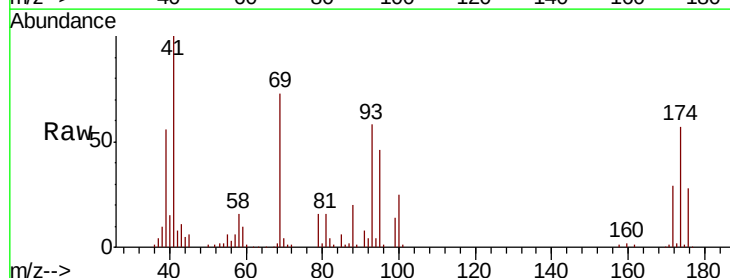
Tgt Ion: 41 Resp: 95731

Ion Ratio Lower Upper

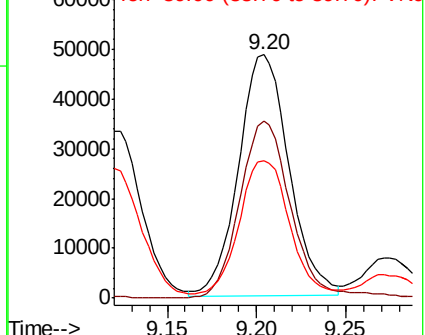
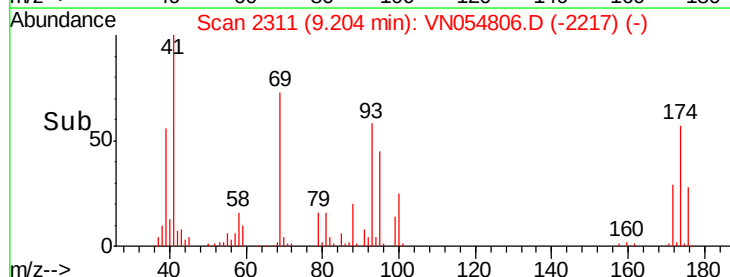
41 100

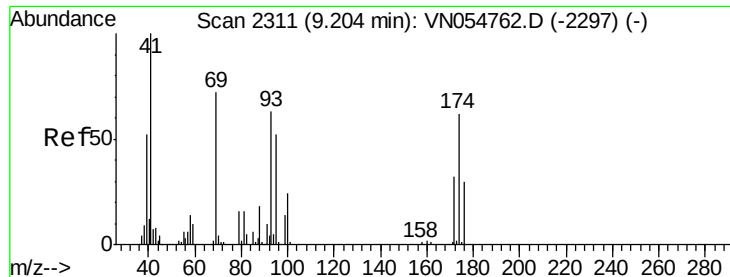
69 75.0 72.6 108.8

39 56.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054806.D (-2217) (-)

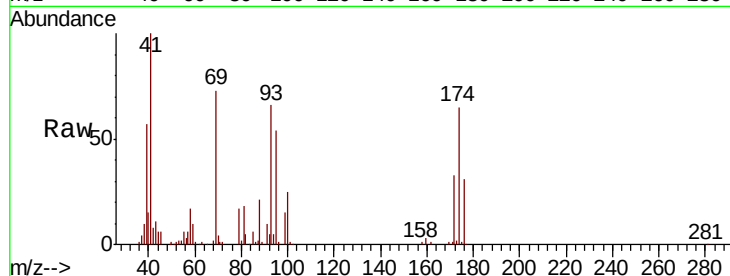




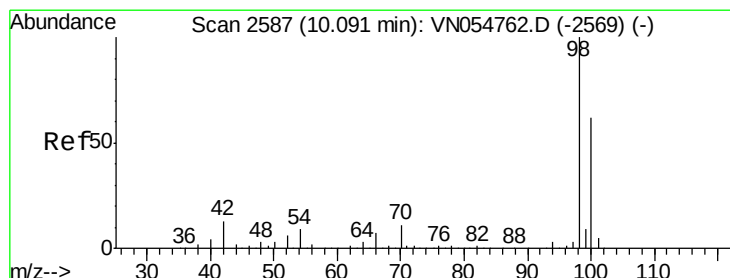
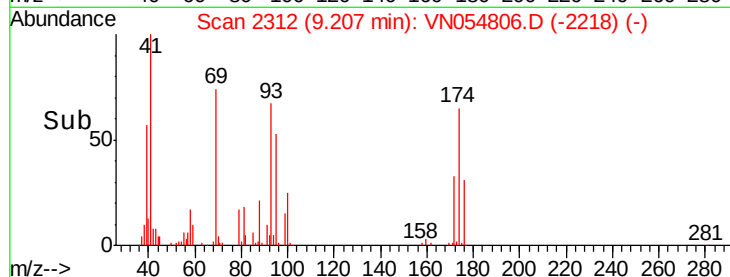
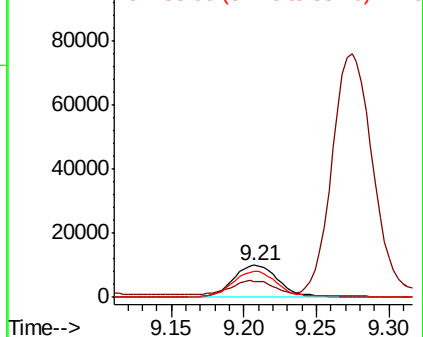
#49
1,4-Dioxane
Concen: 512.528 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 21799
Ion Ratio Lower Upper
88 100
43 40.1 24.1 36.1#
58 79.9 50.8 76.2#

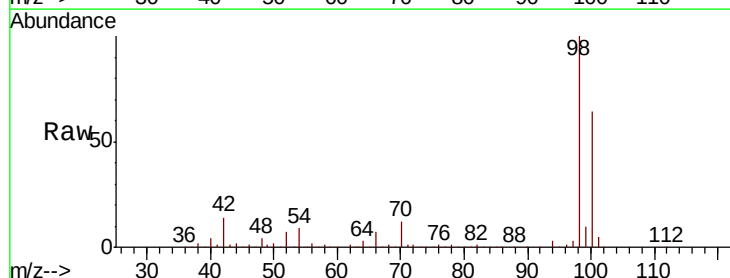


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

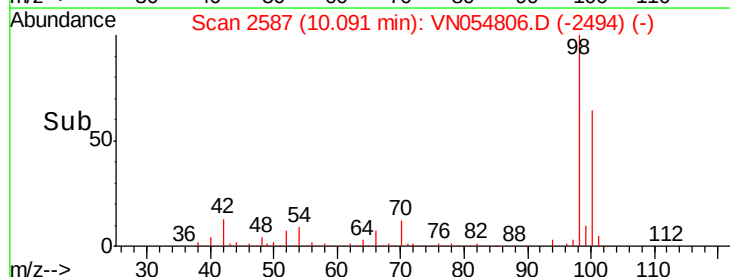
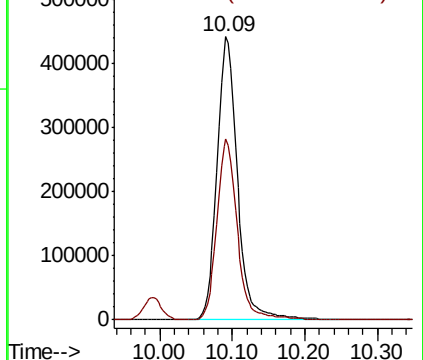


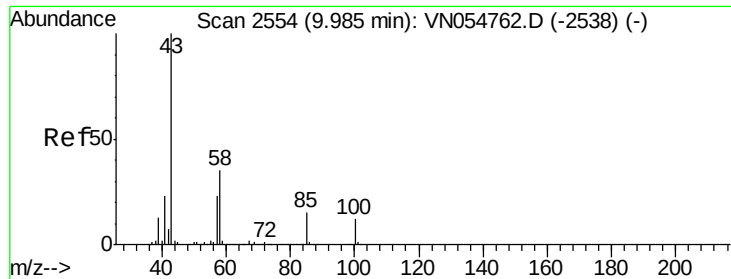
#50
Toluene-d8
Concen: 48.928 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 98 Resp: 863730
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 123.311 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

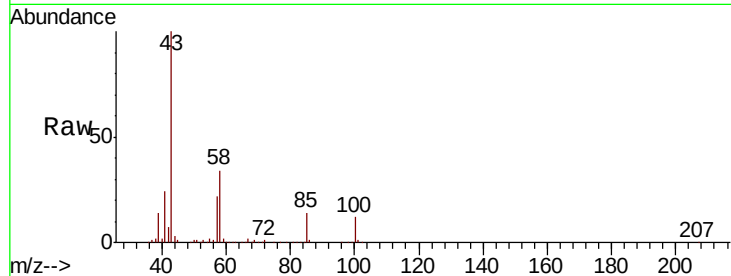
ClientSampleId :

Tot Ion: 43 Resp: 548231

Ion Ratio Lower Upper

43 100

58 34.7 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

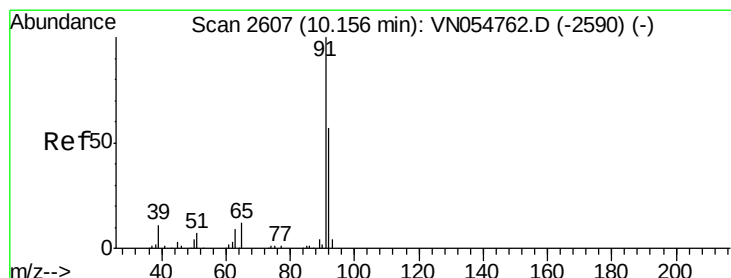
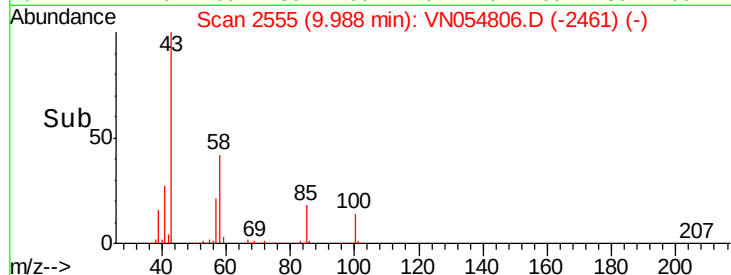
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.559 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054806.D

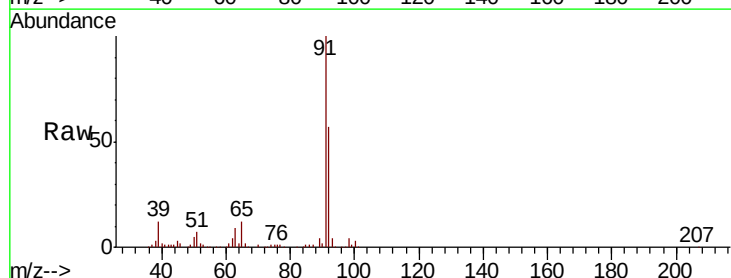
Acq: 30 Mar 2019 16:52

Tgt Ion: 92 Resp: 232312

Ion Ratio Lower Upper

92 100

91 174.9 140.7 211.1



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

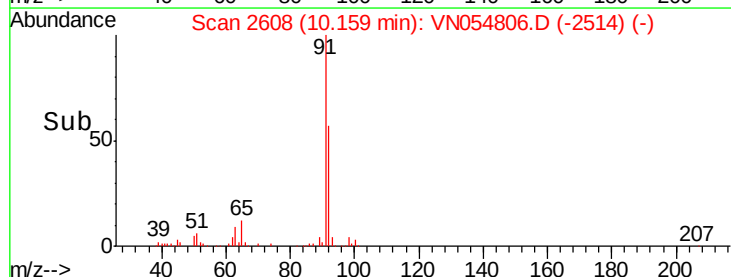
150000

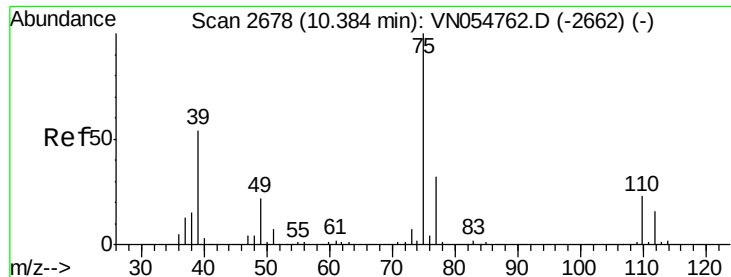
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.426 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

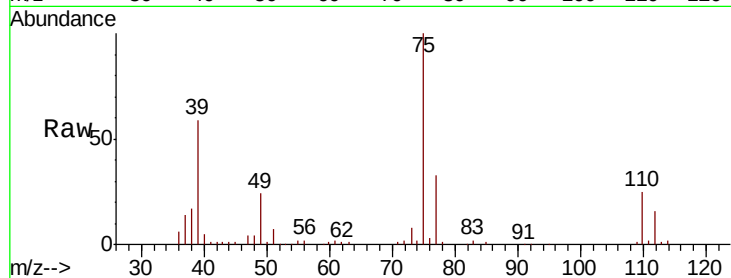
ClientSampleId :

Tot Ion: 75 Resp: 115677

Ion Ratio Lower Upper

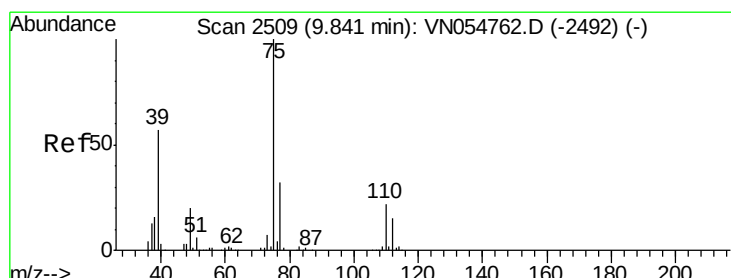
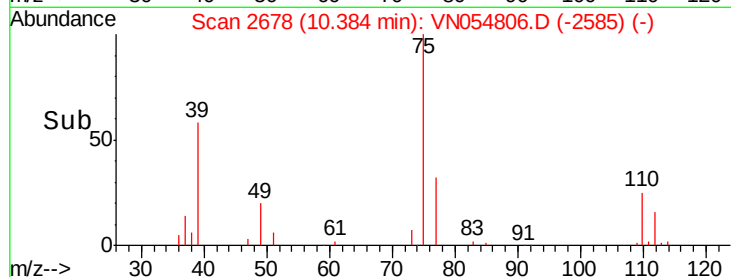
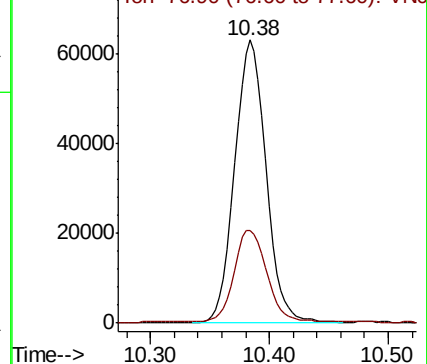
75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.389 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

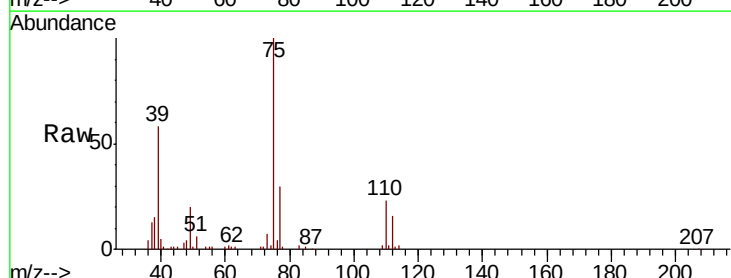
Tgt Ion: 75 Resp: 145033

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

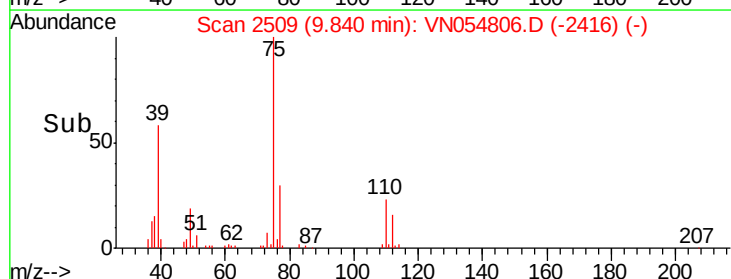
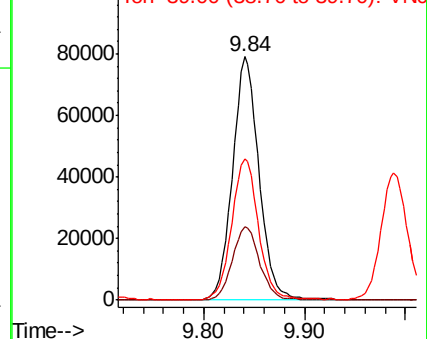
39 57.9 37.2 55.8#

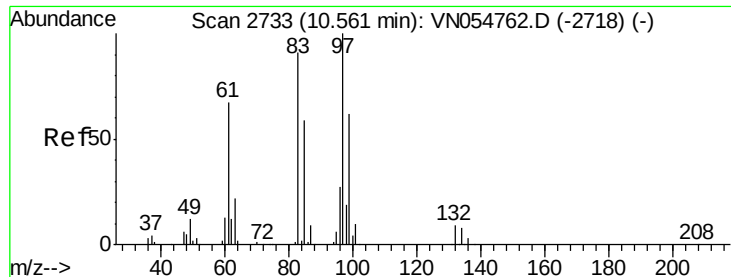


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.530 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 90459

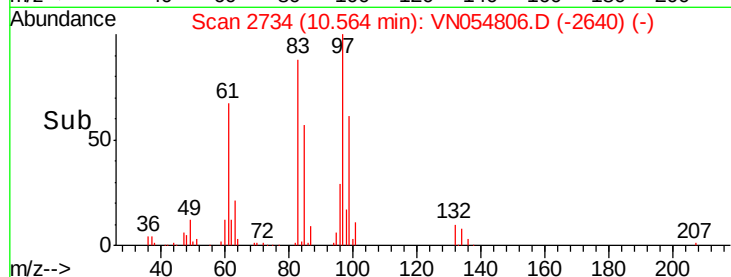
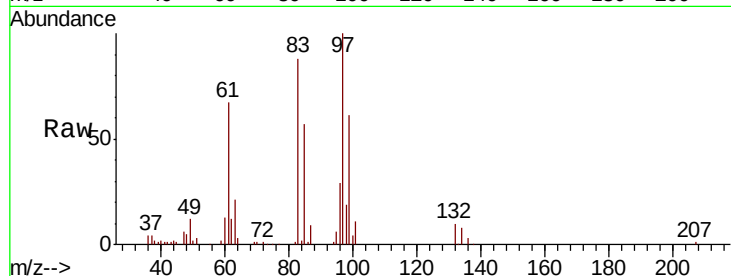
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	57.4	44.4	66.6
99	60.8	50.8	76.2

97 100

83 87.9 66.6 100.0

85 57.4 44.4 66.6

99 60.8 50.8 76.2



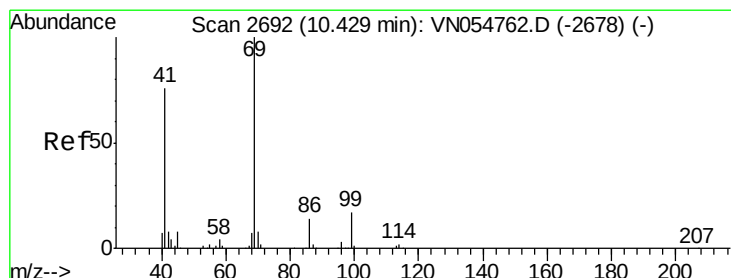
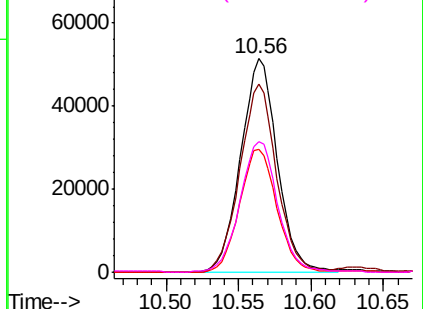
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 21.624 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

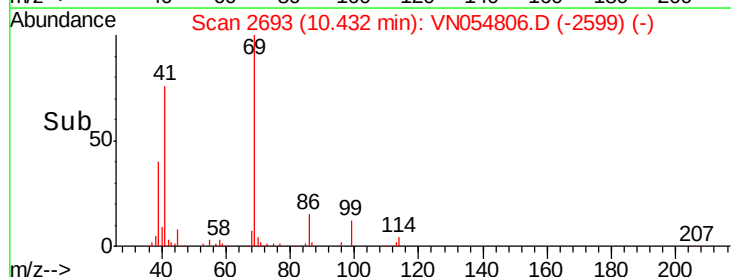
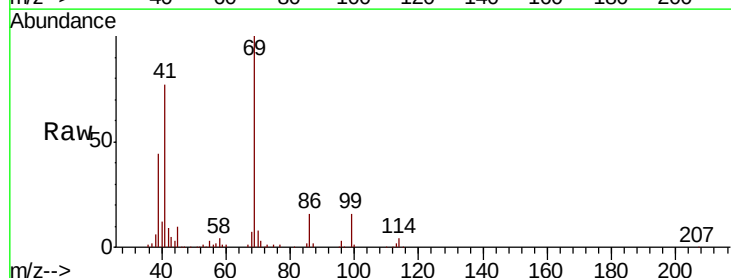
Tgt Ion: 69 Resp: 119180

Ion	Ratio	Lower	Upper
69	100		
41	75.1	49.4	74.2#
39	40.8	28.3	42.5

69 100

41 75.1 49.4 74.2#

39 40.8 28.3 42.5

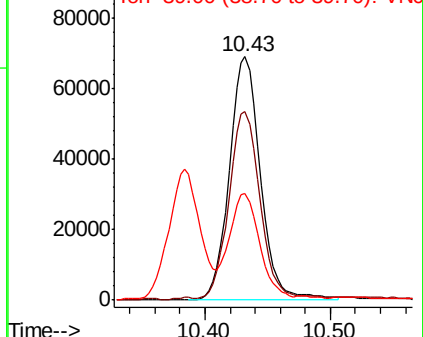


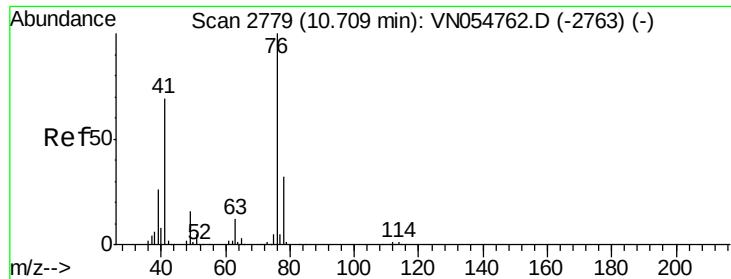
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

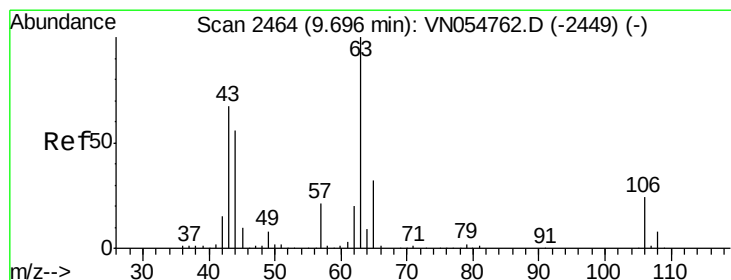
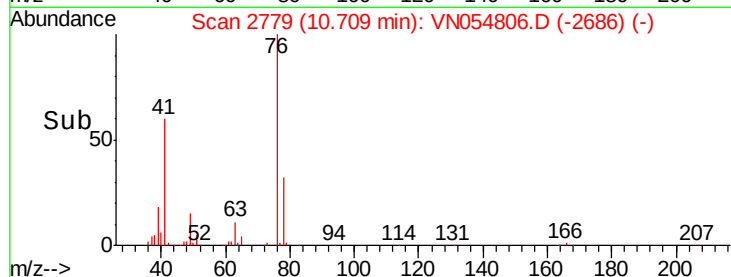
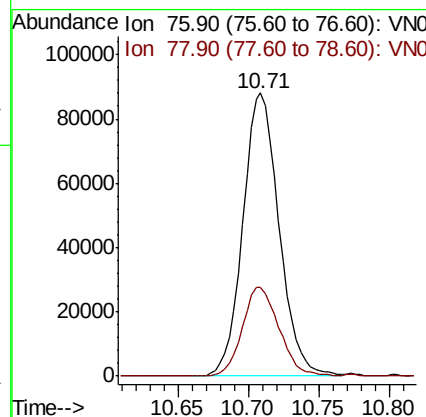
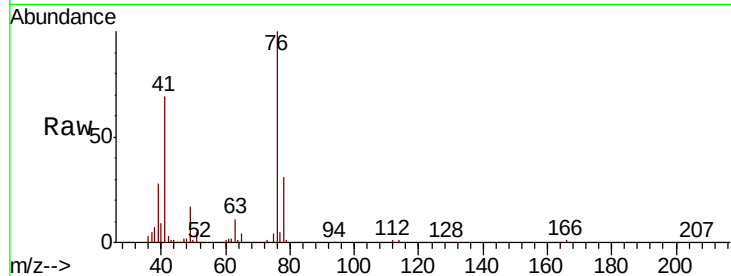




#57
 1,3-Dichloropropane
 Concen: 21.949 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

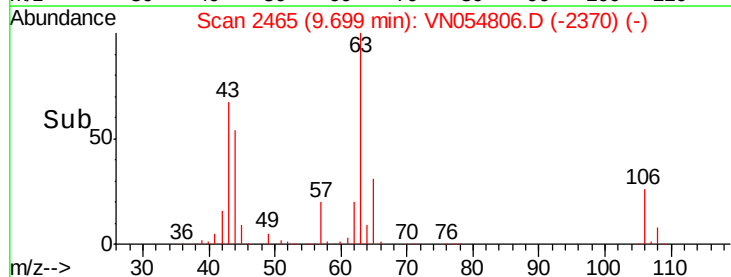
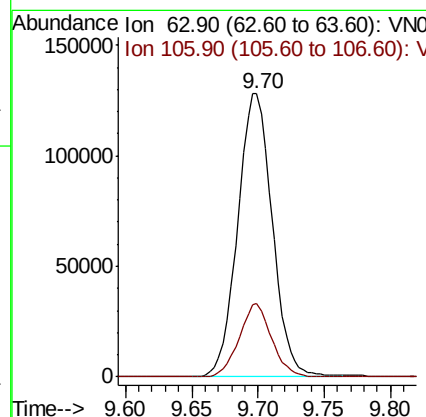
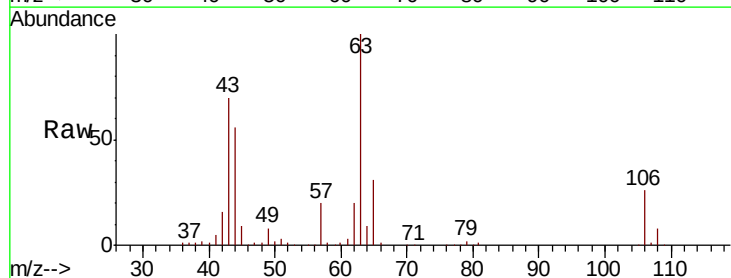
Instrument :
 MSVOA_N
 ClientSampled :

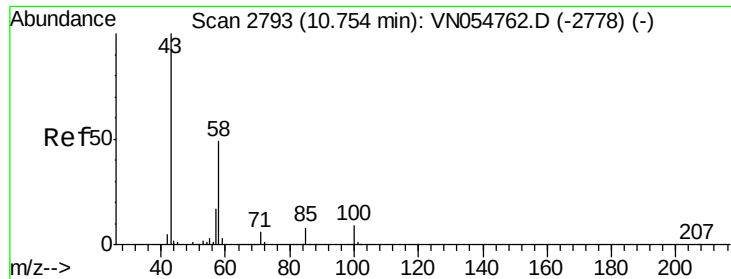
Tot Ion: 76 Resp: 158545
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.348 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 63 Resp: 232799
 Ion Ratio Lower Upper
 63 100
 106 24.2 24.4 36.6#

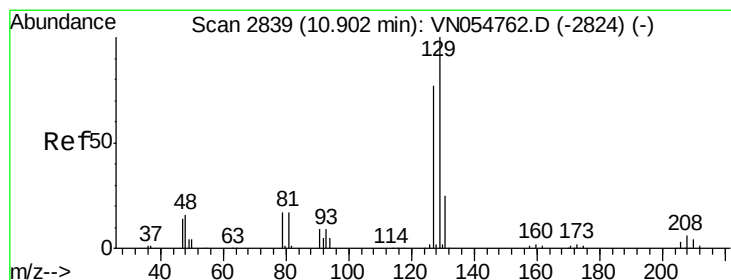
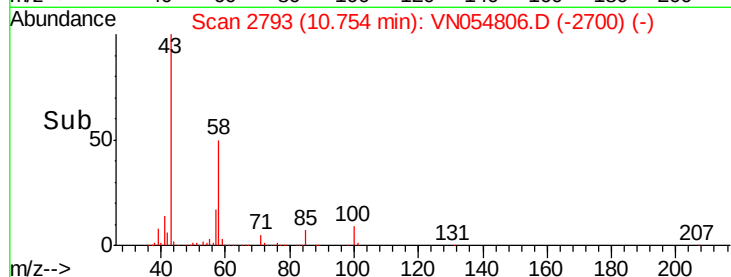
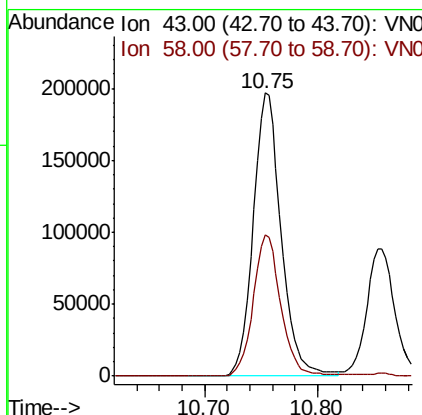
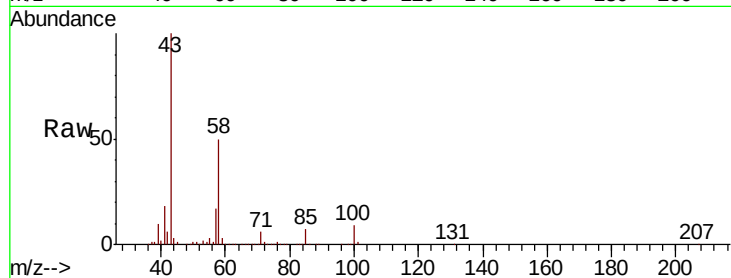




#59
2-Hexanone
Concen: 117.592 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

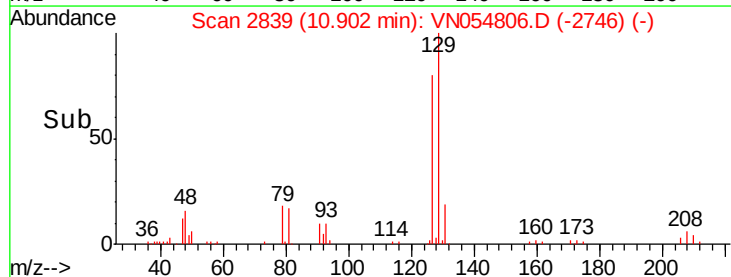
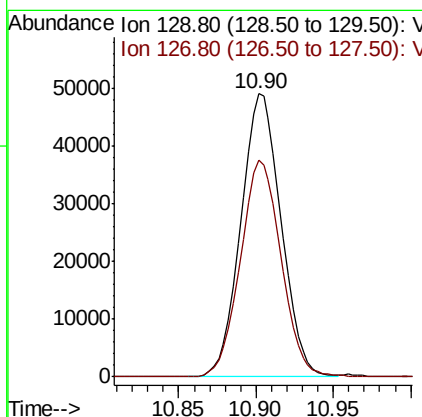
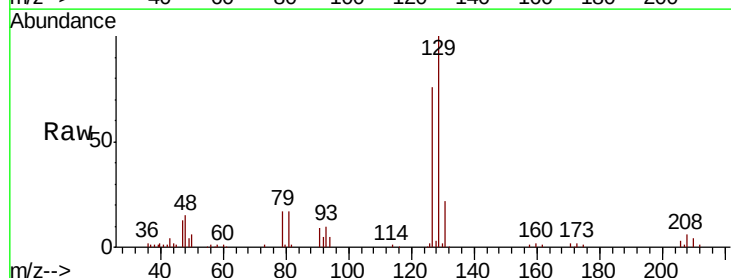
Instrument :
MSVOA_N
ClientSampled :

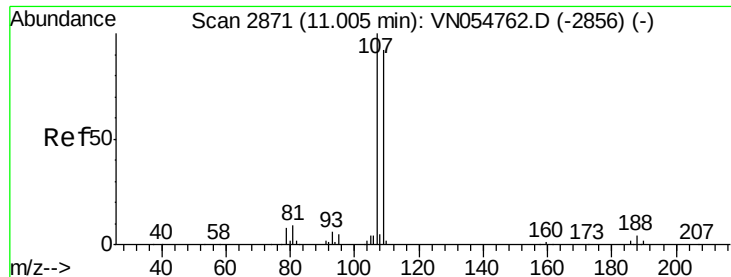
Tot Ion: 43 Resp: 334677
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9



#60
Dibromochloromethane
Concen: 20.832 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion:129 Resp: 88662
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

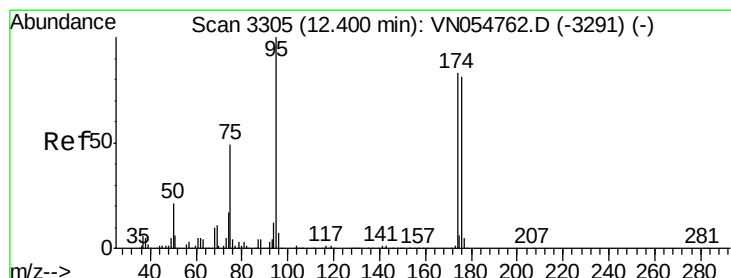
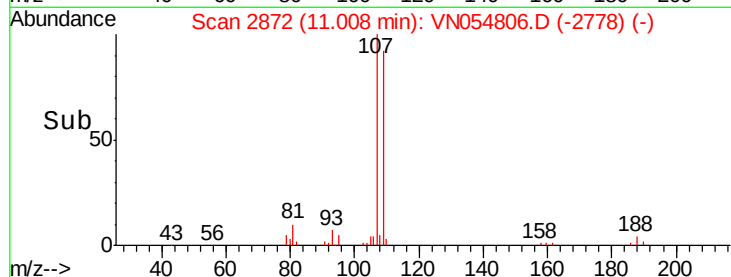
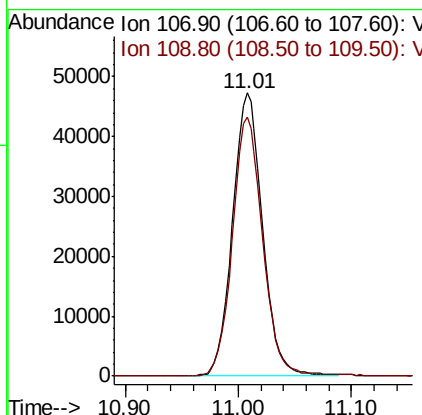
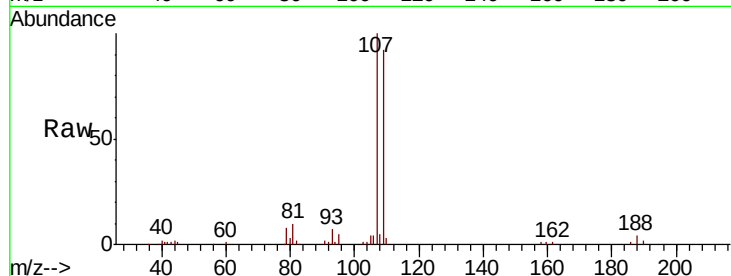




#61
 1,2-Dibromoethane
 Concen: 21.744 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

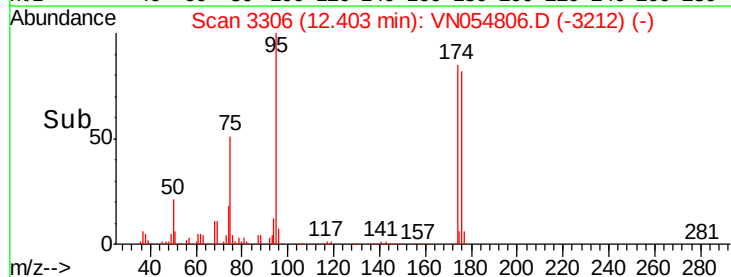
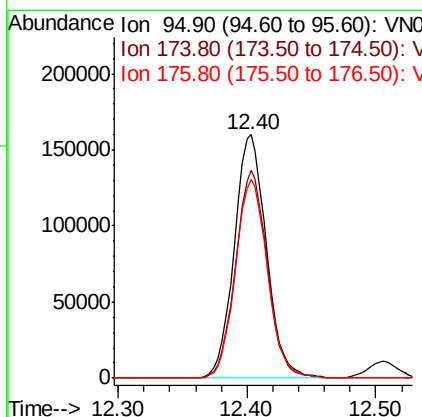
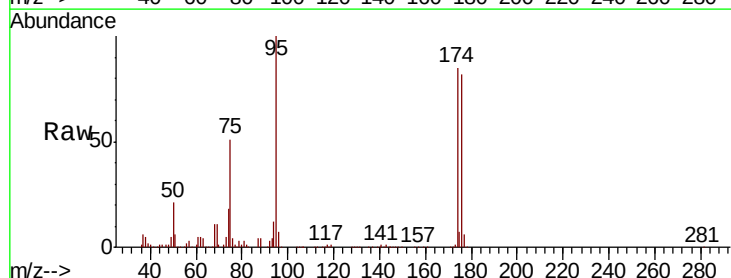
Instrument :
 MSVOA_N
 ClientSampled :

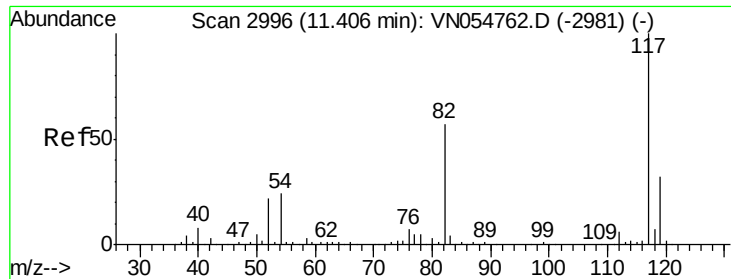
Tot Ion: 107 Resp: 87308
 Ion Ratio Lower Upper
 107 100
 109 91.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.138 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 95 Resp: 276746
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 191.0
 176 81.4 0.0 187.4

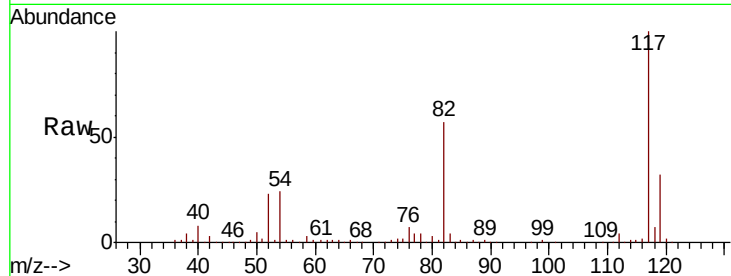




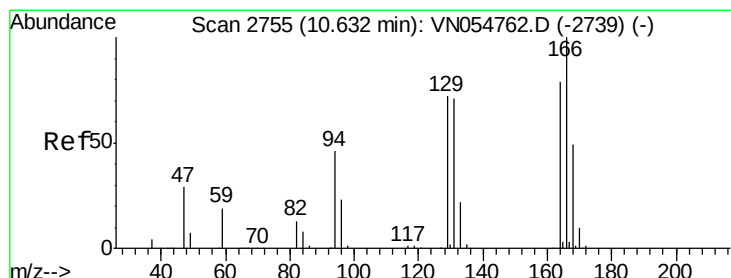
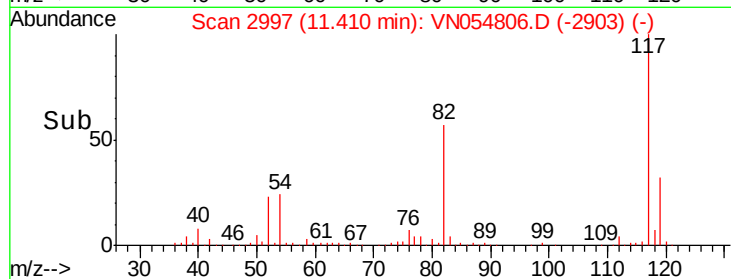
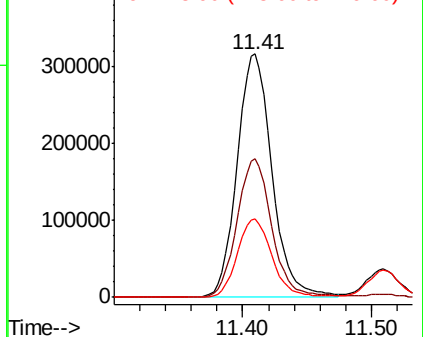
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 596940
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 32.1 25.8 38.6



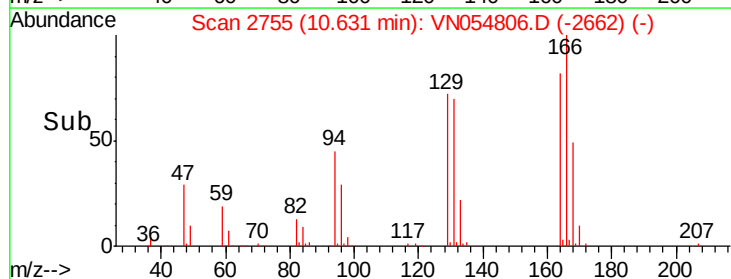
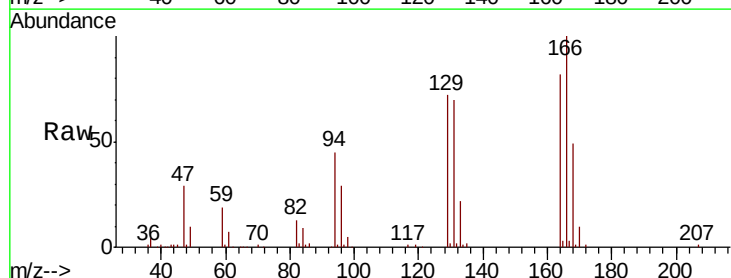
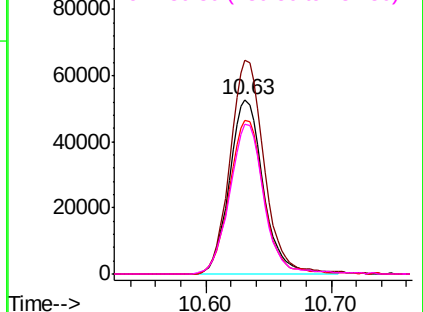
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

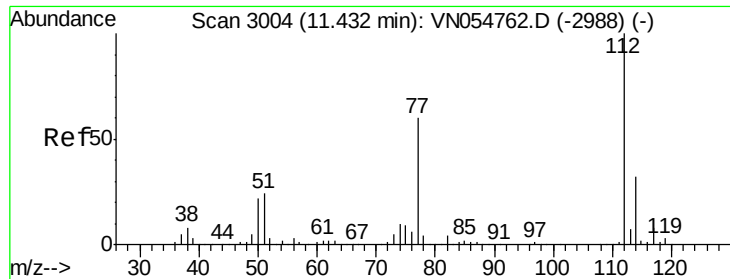


#64
Tetrachloroethene
Concen: 21.526 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion:164 Resp: 98606
Ion Ratio Lower Upper
164 100
166 122.6 103.9 155.9
129 88.3 71.1 106.7
131 85.9 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

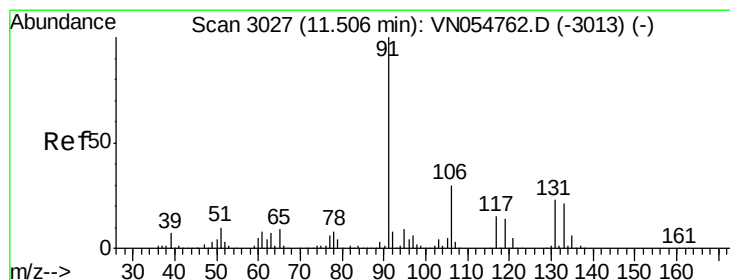
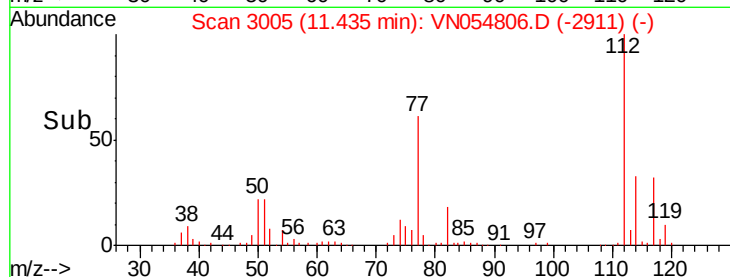
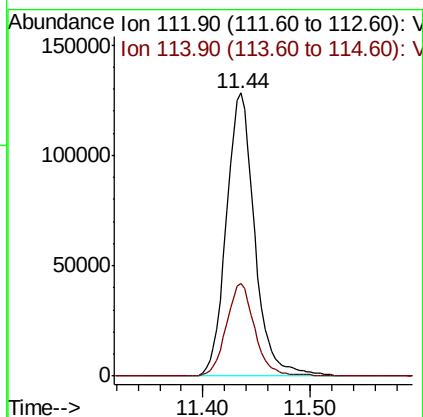
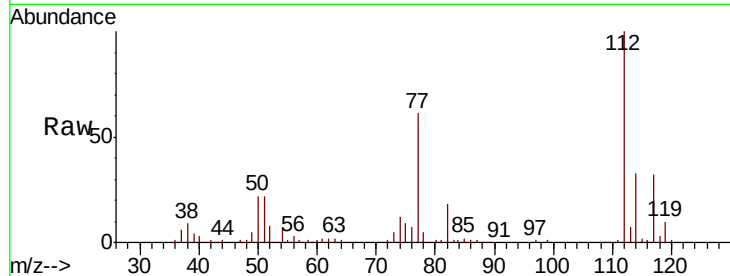




#65
Chlorobenzene
Concen: 20.154 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

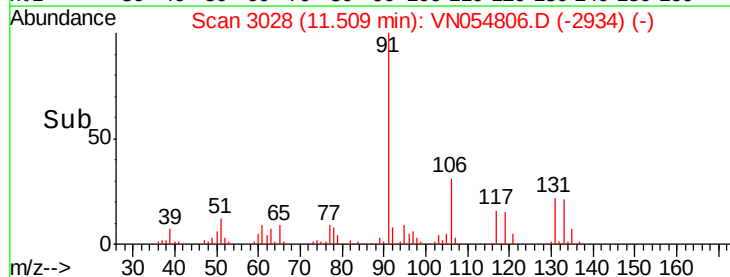
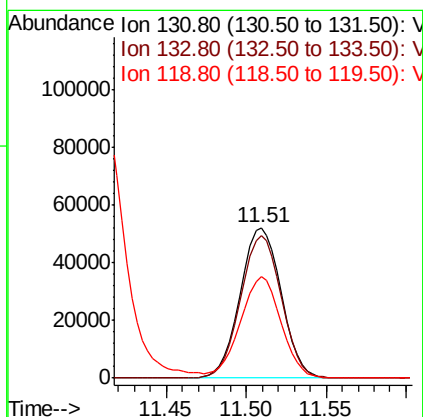
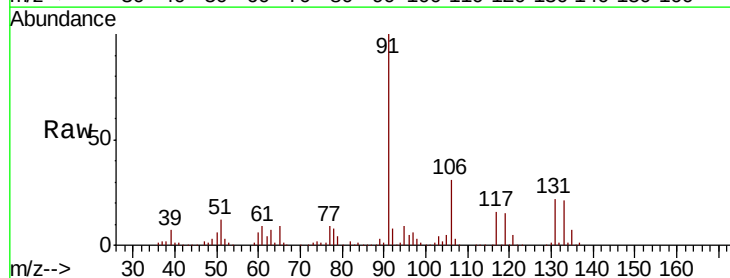
Instrument :
MSVOA_N
ClientSampled :

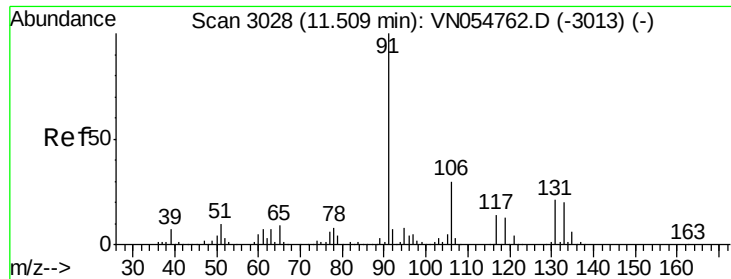
Tot Ion:112 Resp: 235553
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.874 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion:131 Resp: 91313
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 67.2 32.4 97.0

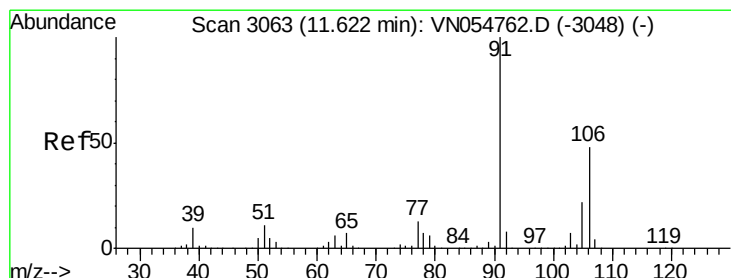
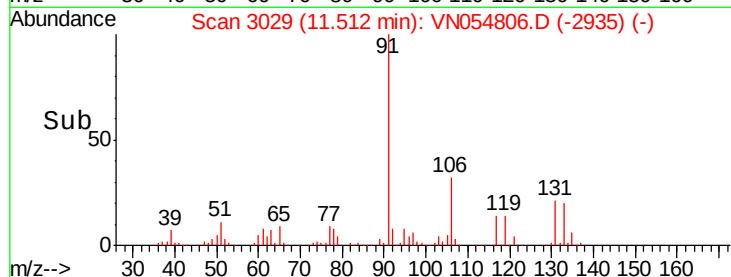
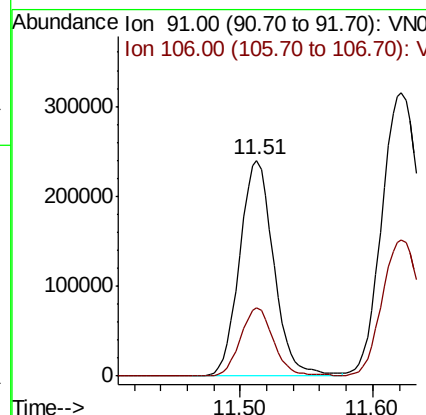
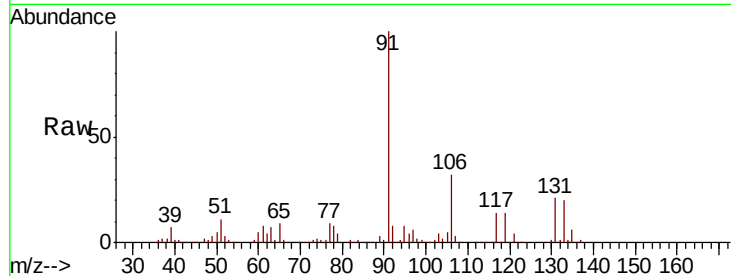




#67
Ethyl Benzene
Concen: 20.393 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

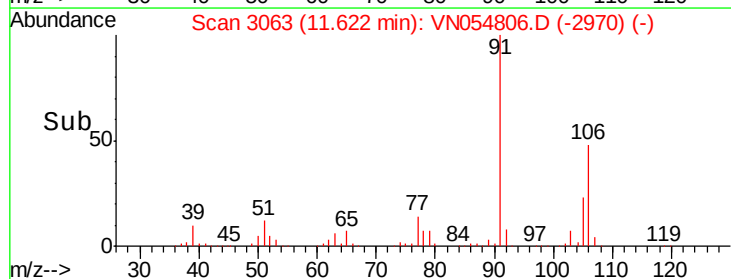
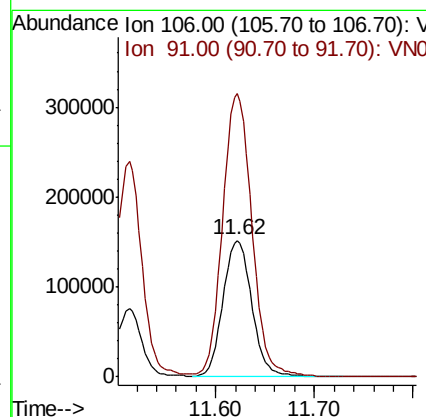
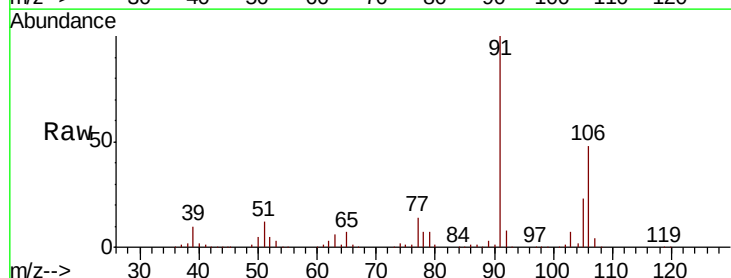
Instrument :
MSVOA_N
ClientSampled :

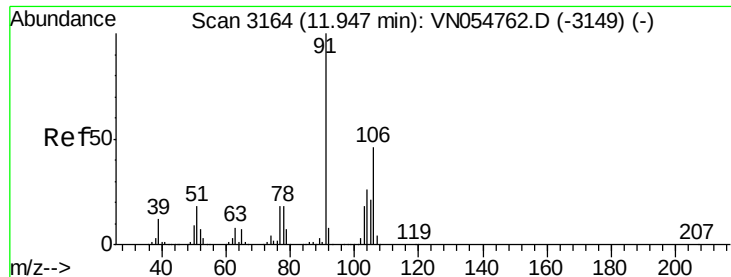
Tot Ion: 91 Resp: 430096
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 40.062 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 106 Resp: 312681
Ion Ratio Lower Upper
106 100
91 209.9 159.4 239.2

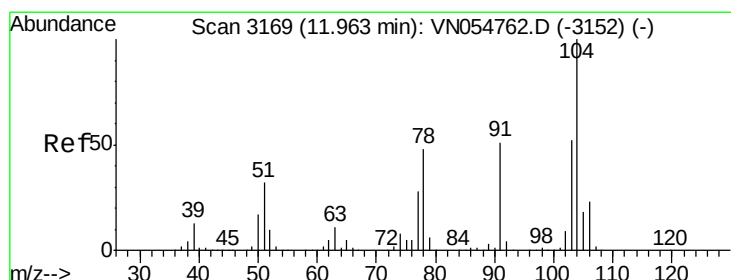
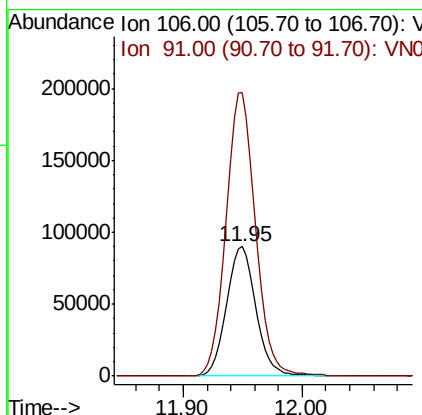
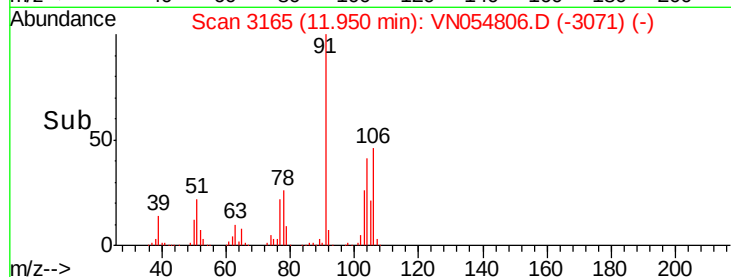
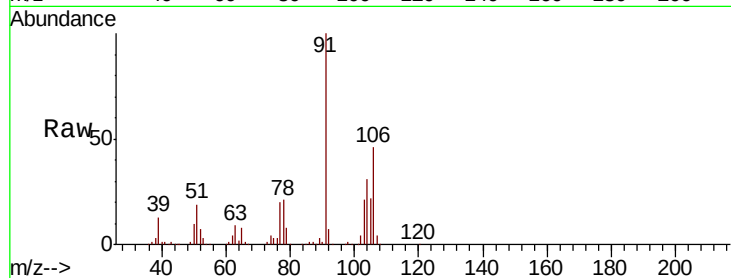




#69
o-Xylene
Concen: 20.194 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

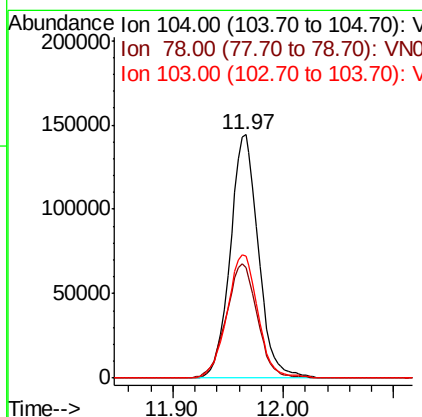
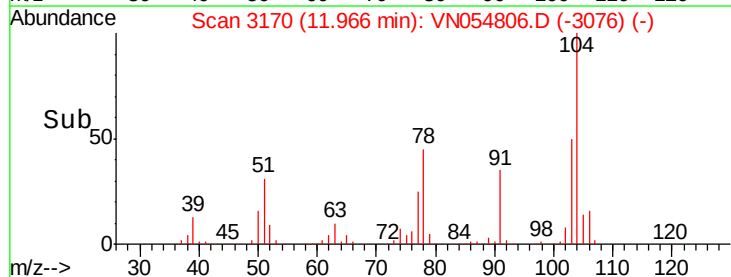
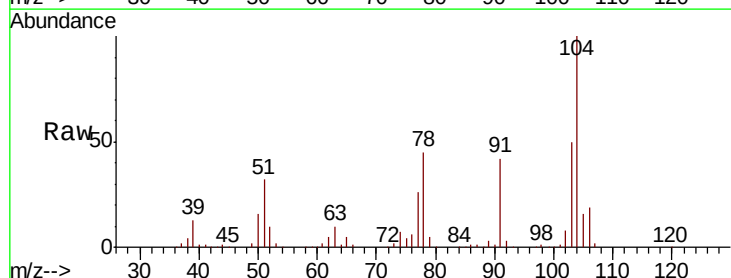
Instrument :
MSVOA_N
ClientSampled :

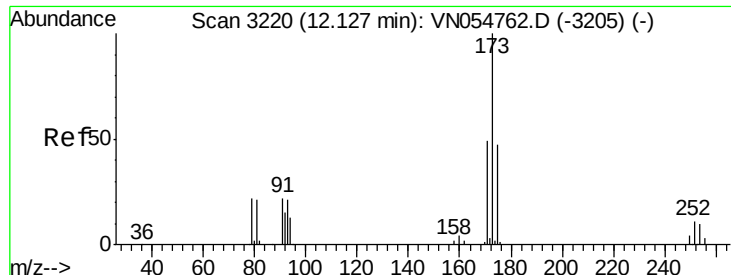
Tot Ion:106 Resp: 154554
Ion Ratio Lower Upper
106 100
91 219.6 105.7 317.1



#70
Styrene
Concen: 20.902 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion:104 Resp: 255776
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 21.298 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

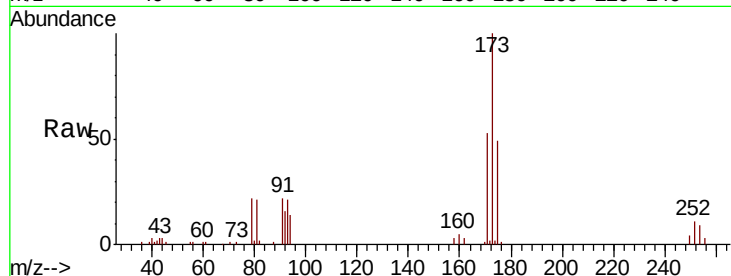
Tot Ion:173 Resp: 54582

Ion Ratio Lower Upper

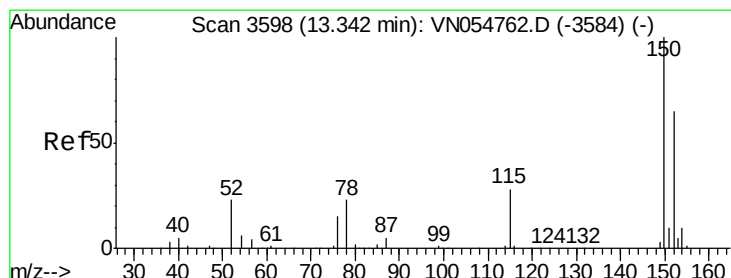
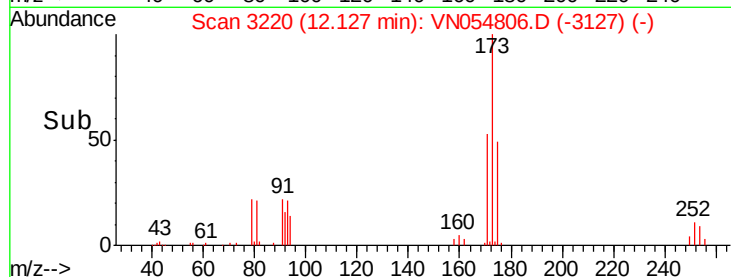
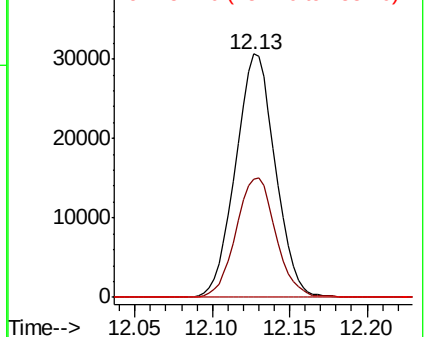
173 100

175 49.4 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

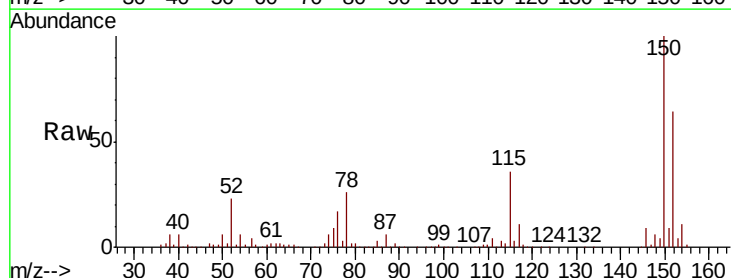
Tgt Ion:152 Resp: 247175

Ion Ratio Lower Upper

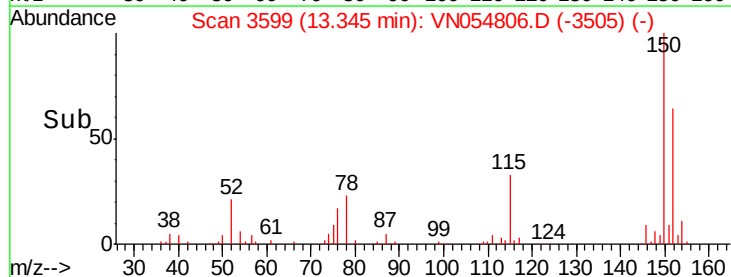
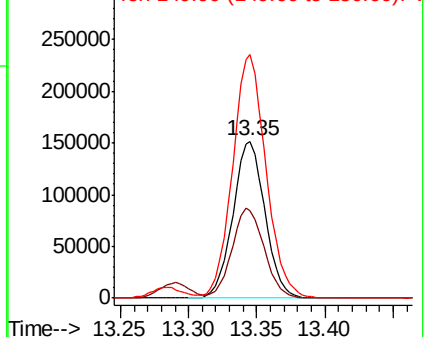
152 100

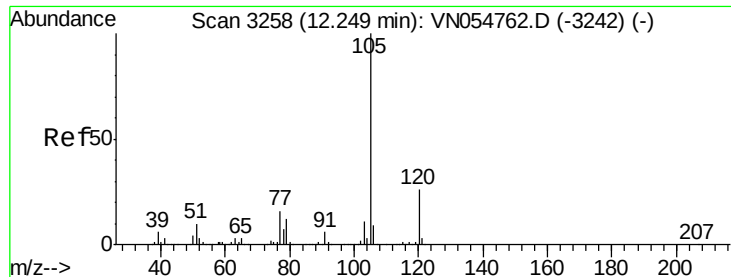
115 57.6 27.2 81.6

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: 20.319 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

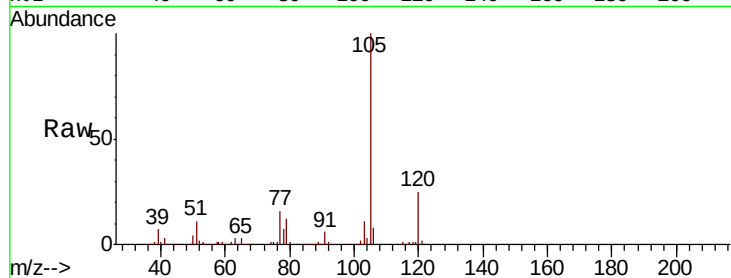
ClientSampled :

Tot Ion:105 Resp: 410513

Ion Ratio Lower Upper

105 100

120 25.9 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

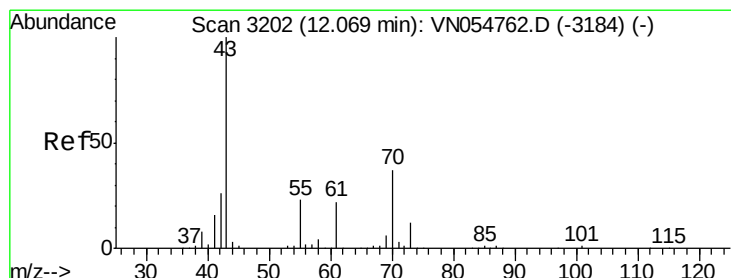
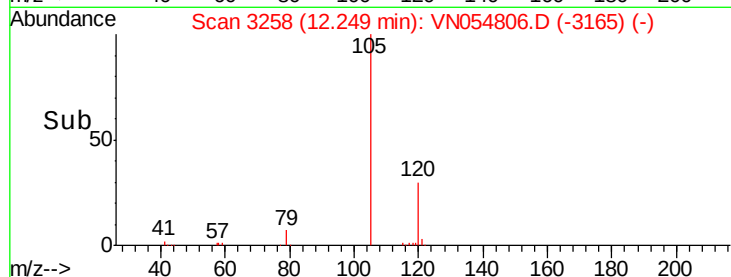
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.782 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion: 43 Resp: 137099

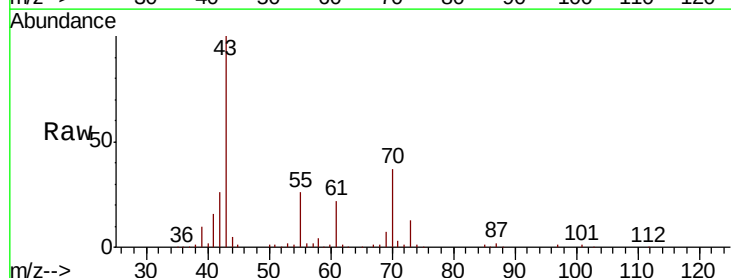
Ion Ratio Lower Upper

43 100

70 37.3 35.4 53.0

55 24.9 19.8 29.6

61 21.8 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

120000

100000

80000

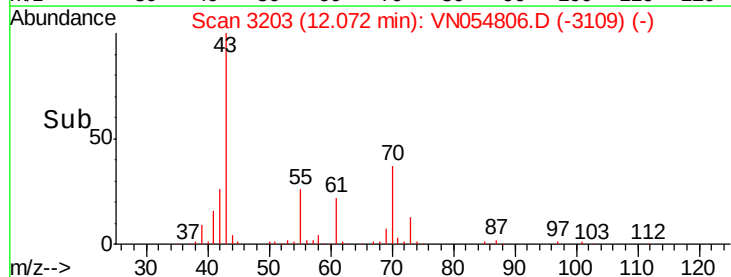
60000

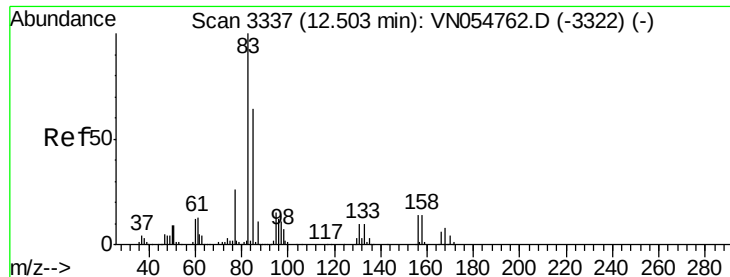
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.488 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

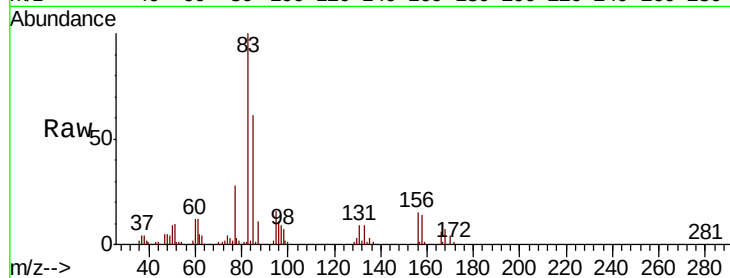
Tot Ion: 83 Resp: 112952

Ion Ratio Lower Upper

83 100

131 10.2 5.8 17.4

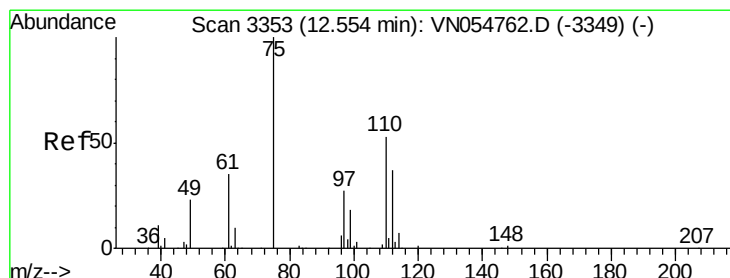
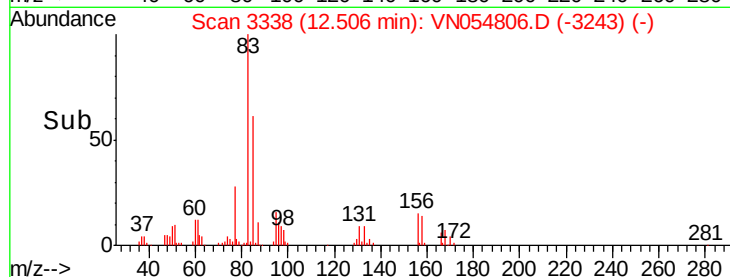
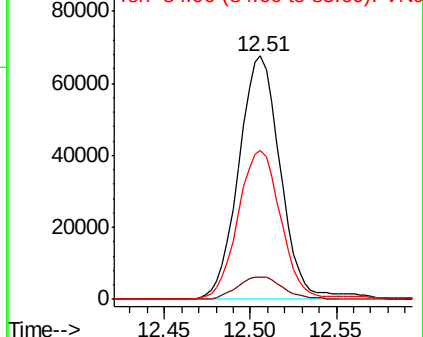
85 62.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054806.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054806.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054806.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 29.810 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN054806.D

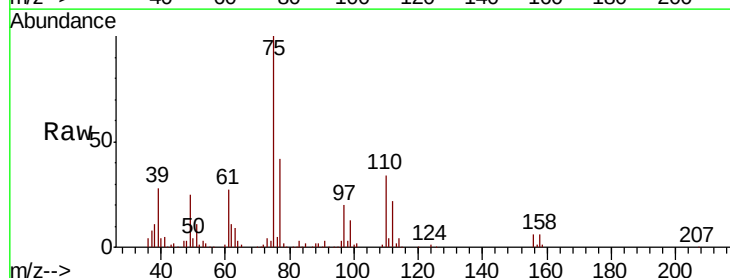
Acq: 30 Mar 2019 16:52

Tgt Ion: 75 Resp: 128005

Ion Ratio Lower Upper

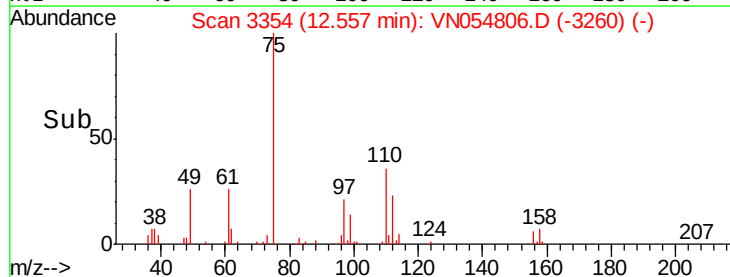
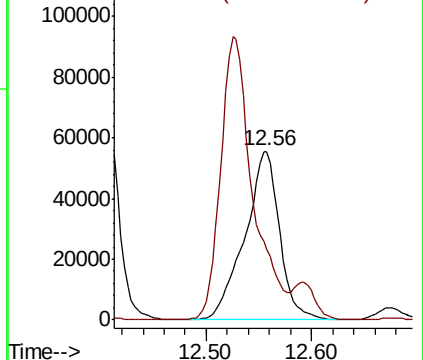
75 100

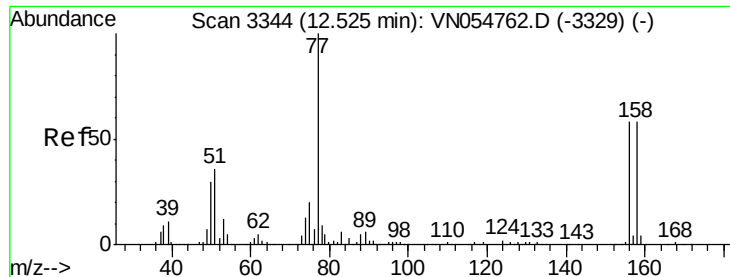
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054806.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054806.D (-3260) (-)





#77

Bromobenzene

Concen: 20.866 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

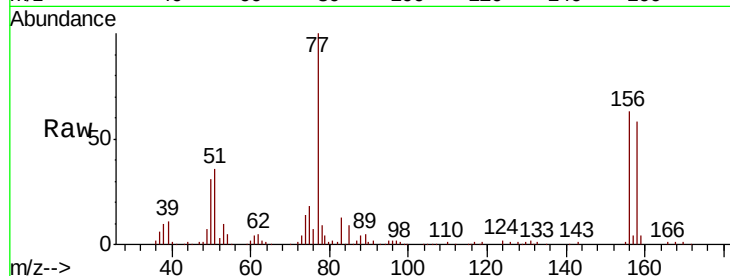
Tot Ion:156 Resp: 101739

Ion Ratio Lower Upper

156 100

77 193.3 81.5 244.4

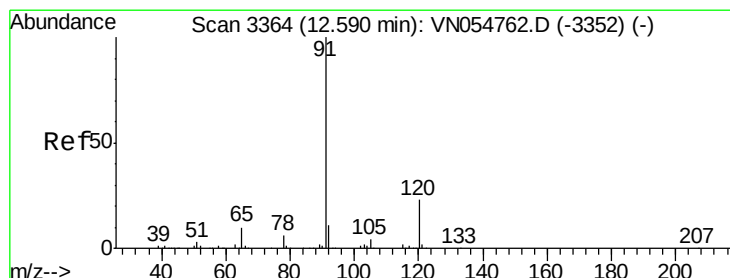
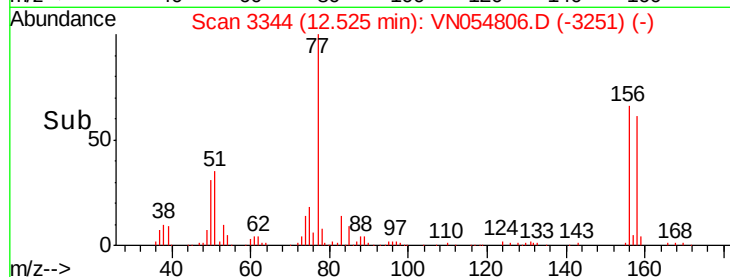
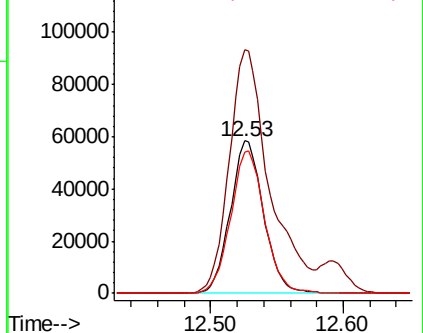
158 95.2 49.0 147.2



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: 19.854 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054806.D

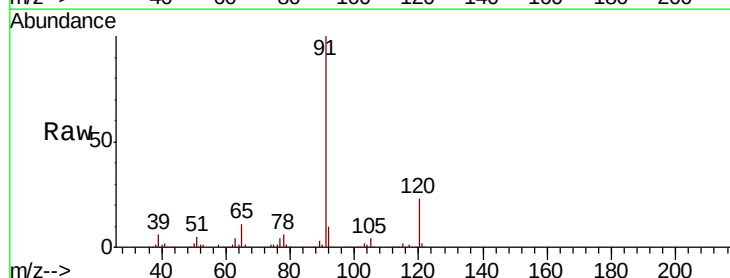
Acq: 30 Mar 2019 16:52

Tgt Ion: 91 Resp: 440871

Ion Ratio Lower Upper

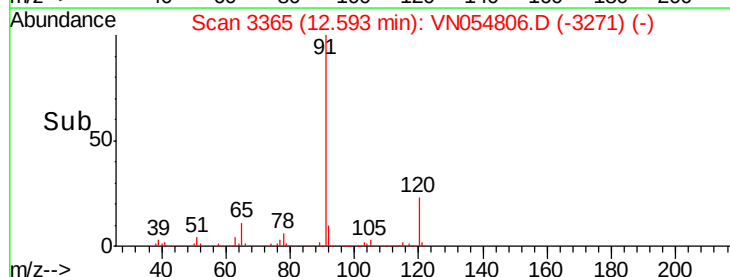
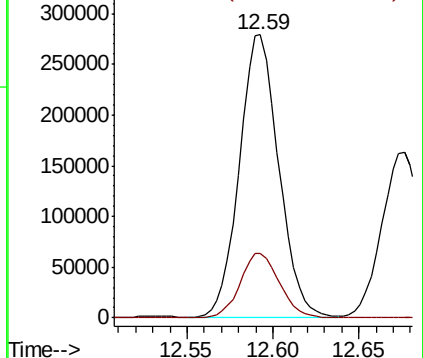
91 100

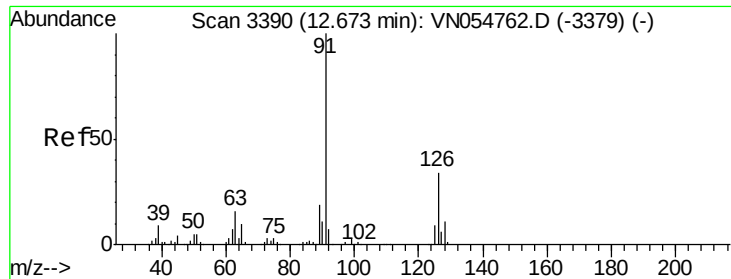
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.065 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

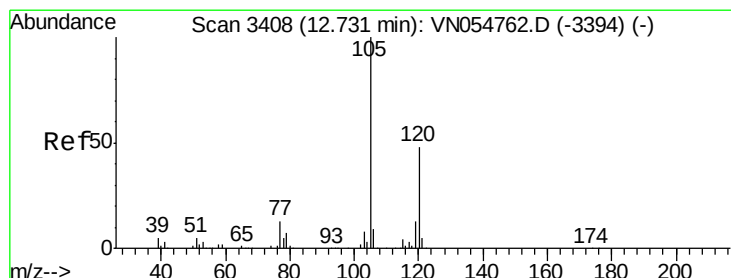
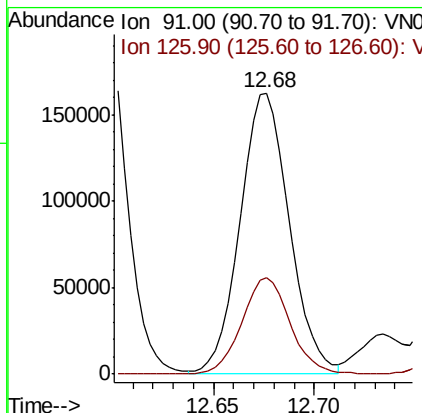
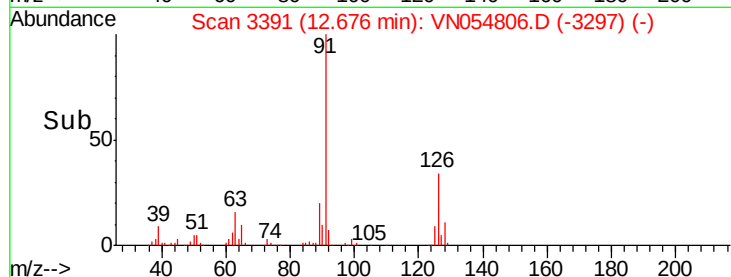
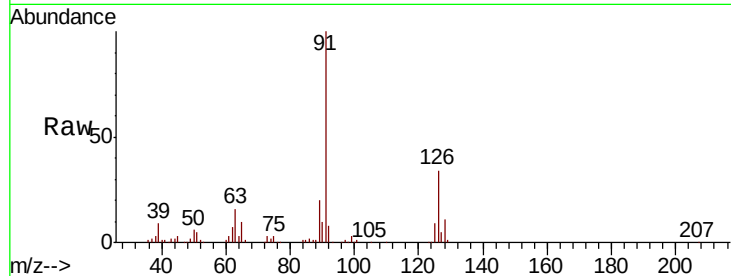
ClientSampleId :

Tot Ion: 91 Resp: 275652

Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.896 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054806.D

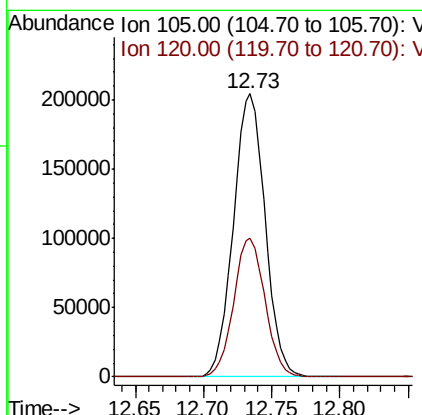
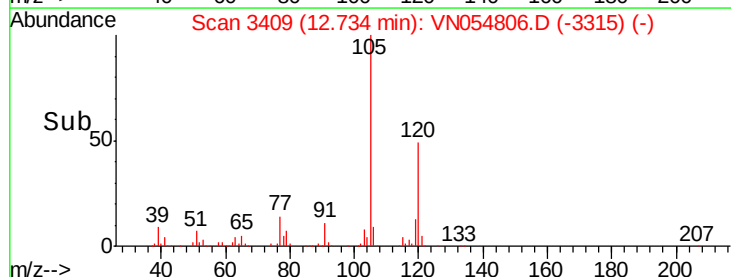
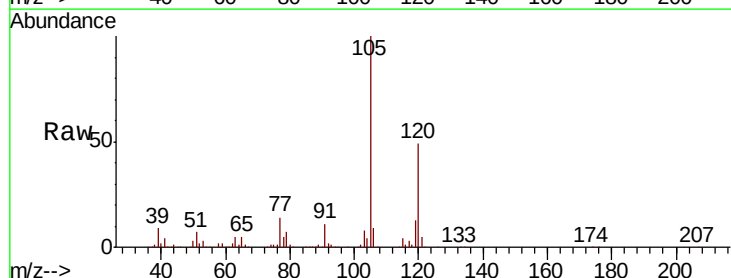
Acq: 30 Mar 2019 16:52

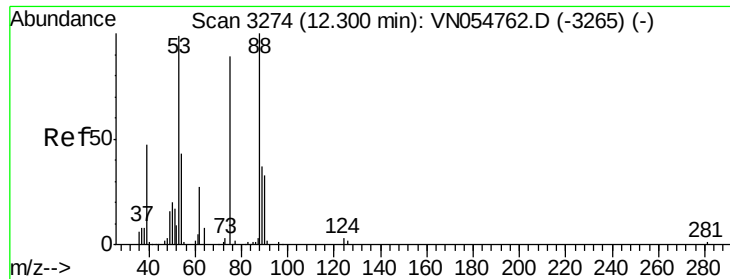
Tgt Ion: 105 Resp: 329814

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.044 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

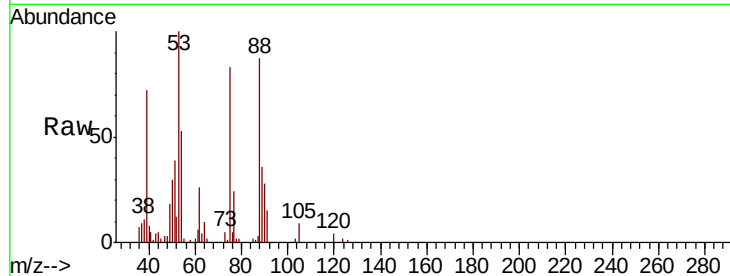
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 22127

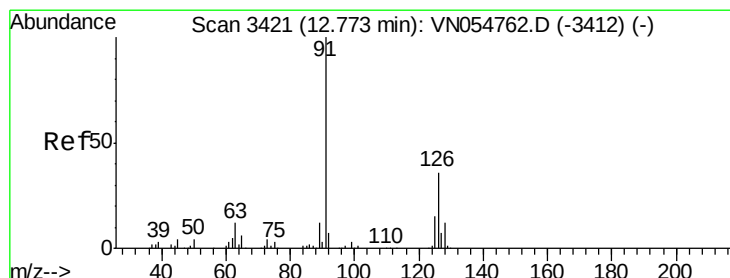
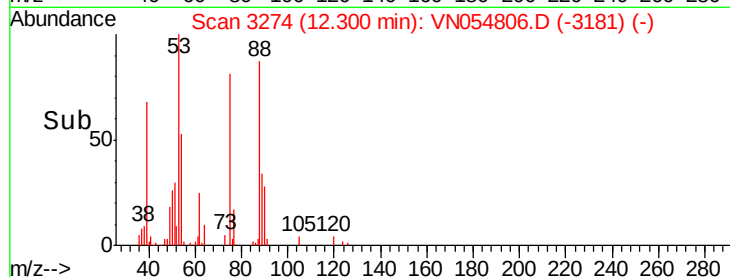
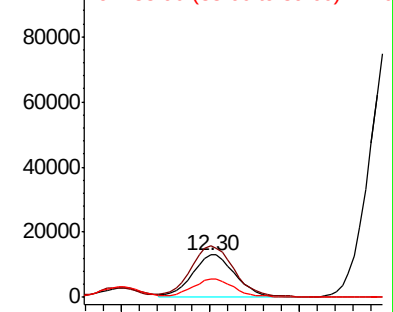
Ion	Ratio	Lower	Upper
75	100		
53	123.2	76.2	114.2#
89	42.1	39.2	58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.535 ug/l

RT: 12.77 min Scan# 3421

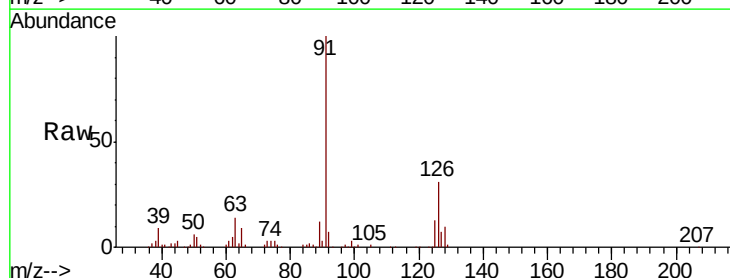
Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

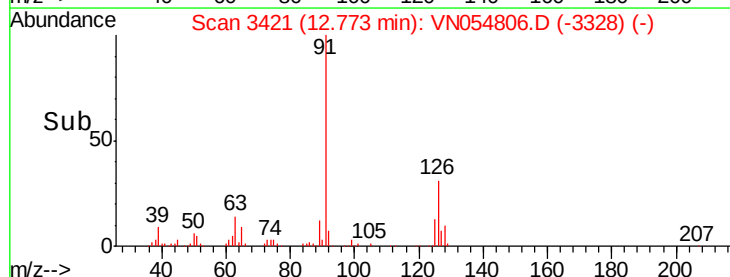
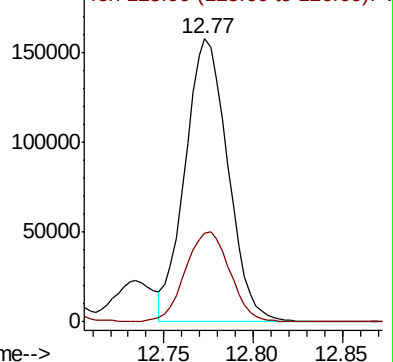
Tgt Ion: 91 Resp: 260664

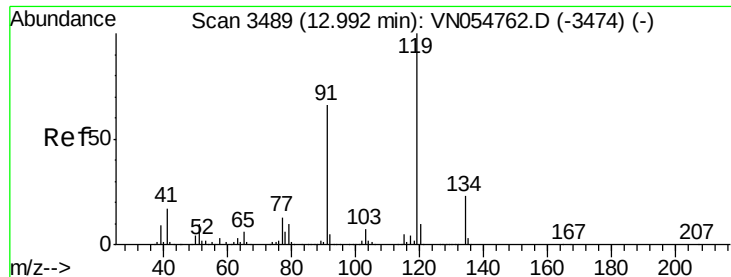
Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

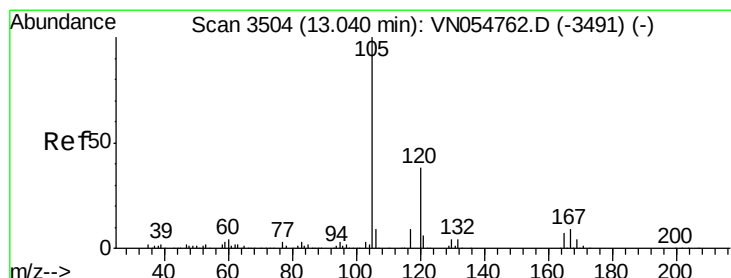
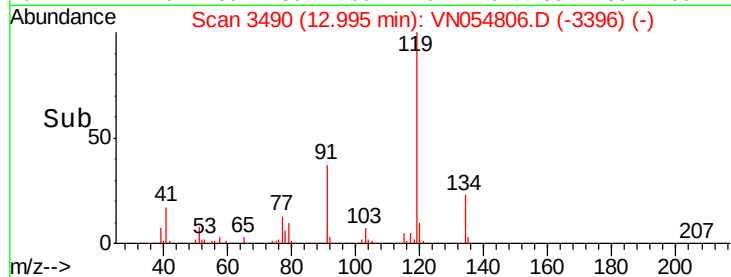
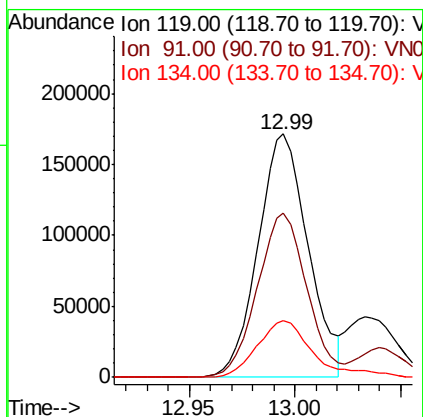
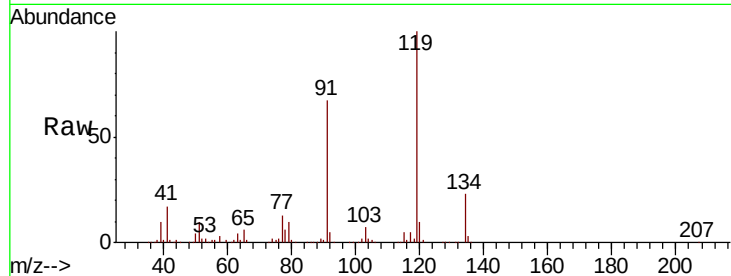




#83
tert-Butylbenzene
Concen: 20.904 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

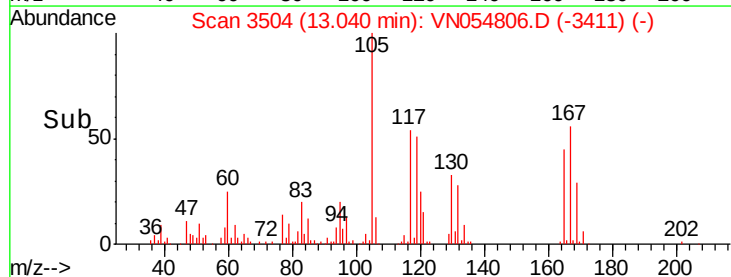
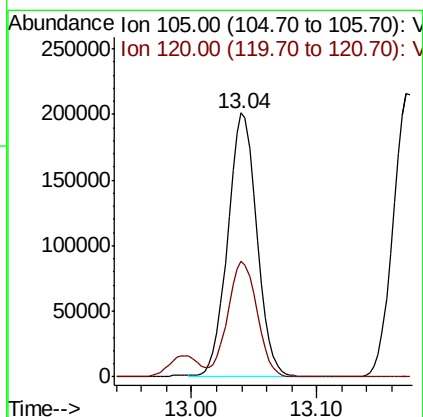
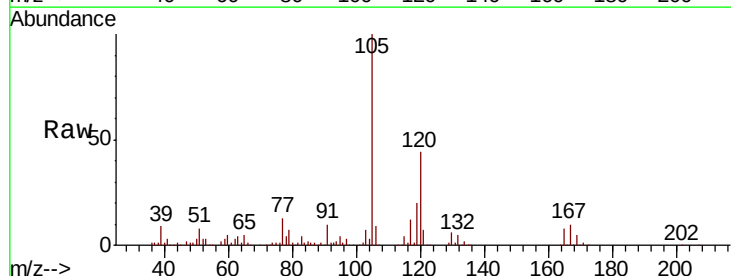
Instrument :
MSVOA_N
ClientSampled :

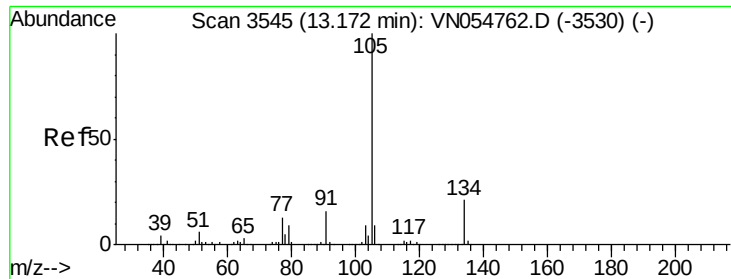
Tot Ion:119 Resp: 284096
Ion Ratio Lower Upper
119 100
91 66.8 30.9 92.8
134 26.2 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.464 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion:105 Resp: 323185
Ion Ratio Lower Upper
105 100
120 44.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.864 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

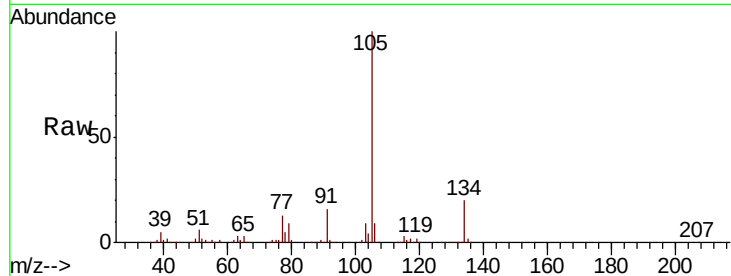
ClientSampleId :

Tot Ion:105 Resp: 357721

Ion Ratio Lower Upper

105 100

134 19.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

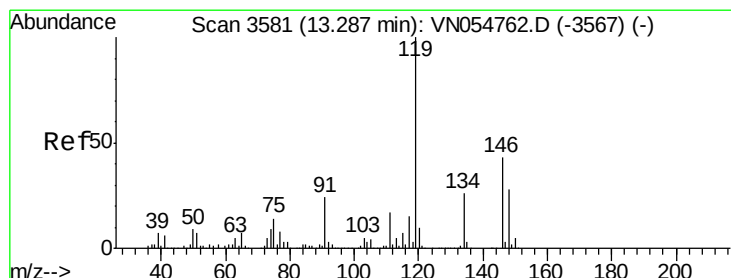
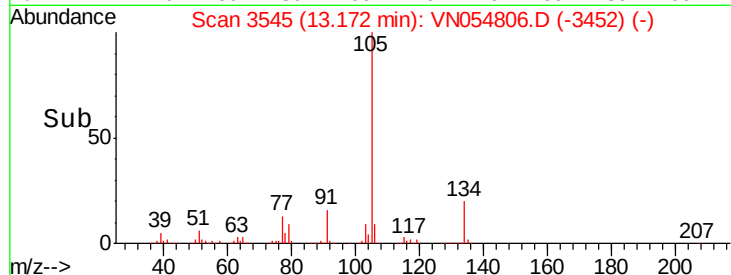
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.277 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

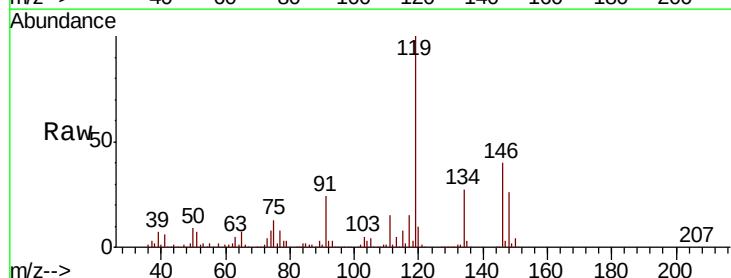
Tgt Ion:119 Resp: 306170

Ion Ratio Lower Upper

119 100

134 26.5 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

250000

200000

150000

100000

50000

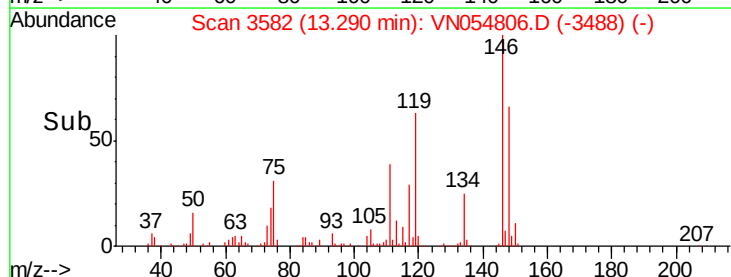
0

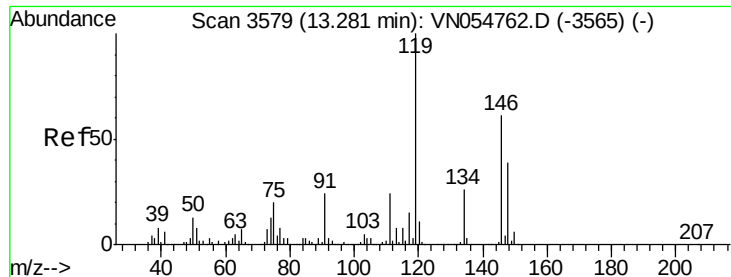
13.25

13.30

13.35

Time-->

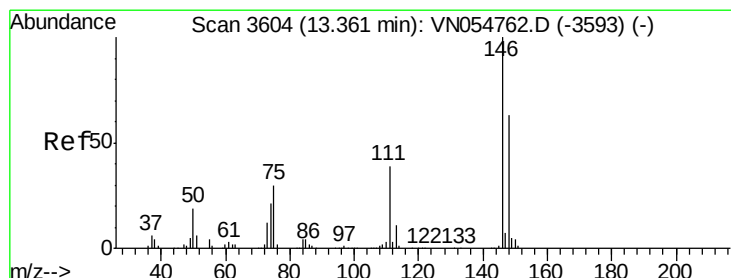
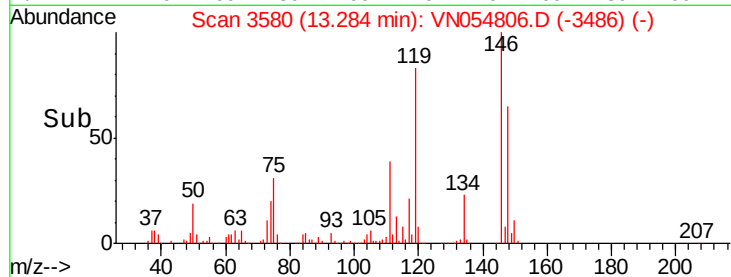
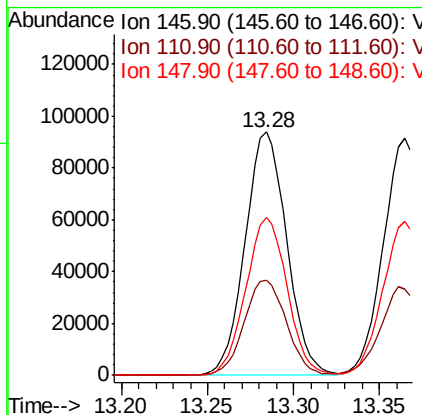
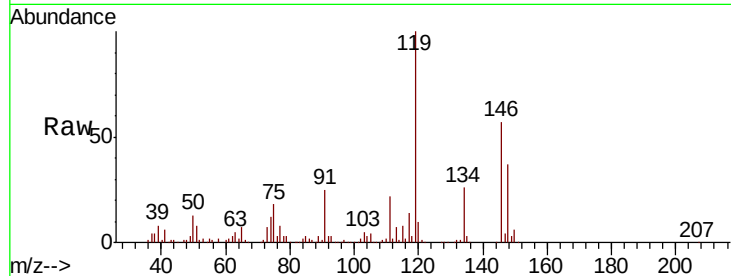




#87
 1,3-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

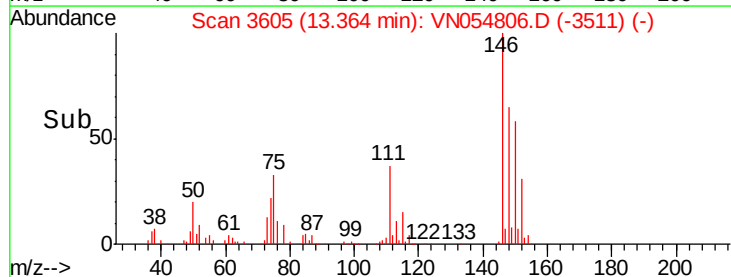
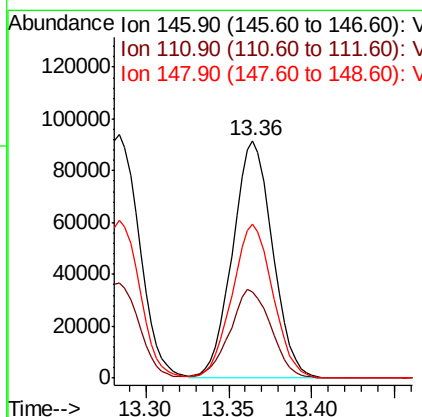
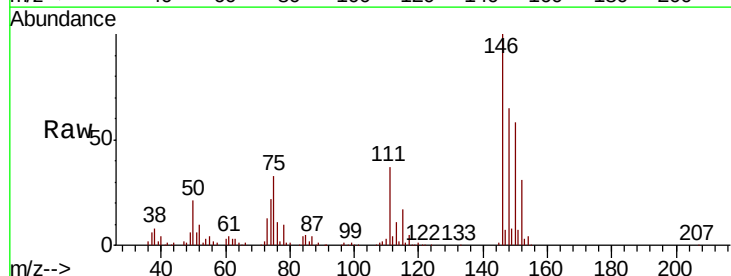
Instrument :
 MSVOA_N
 ClientSampleId :

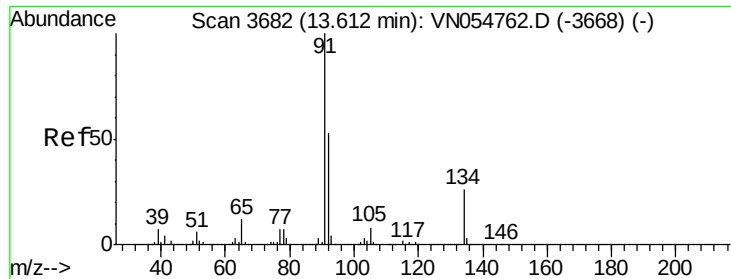
Tot Ion:146 Resp: 158225
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.8 56.3
 148 64.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.193 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion:146 Resp: 153674
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.1
 148 66.2 32.0 96.0





#89

n-Butylbenzene

Concen: 17.959 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

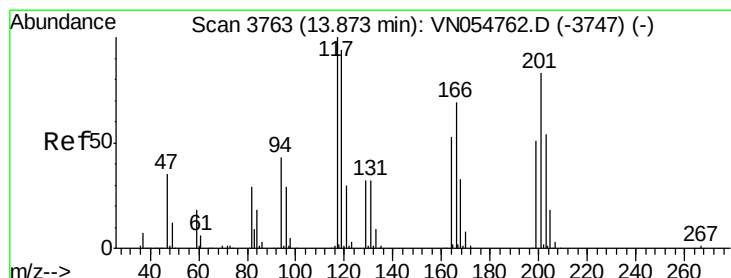
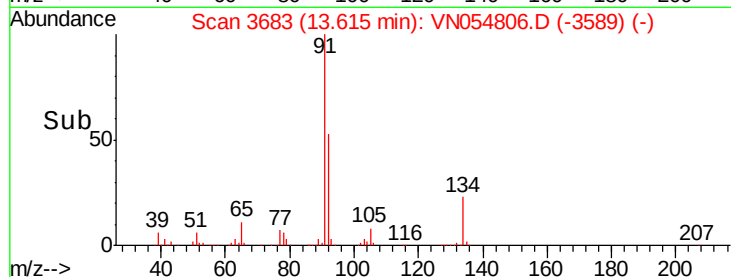
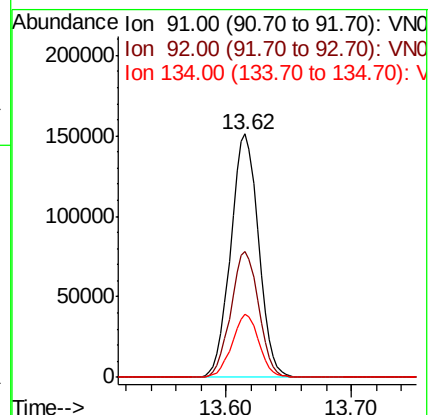
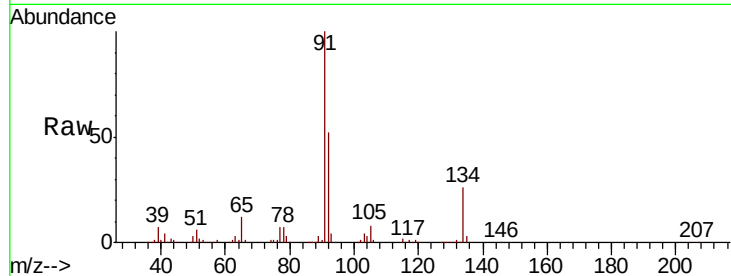
Tot Ion: 91 Resp: 232720

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

134 25.1 14.3 42.9



#90

Hexachloroethane

Concen: 18.990 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054806.D

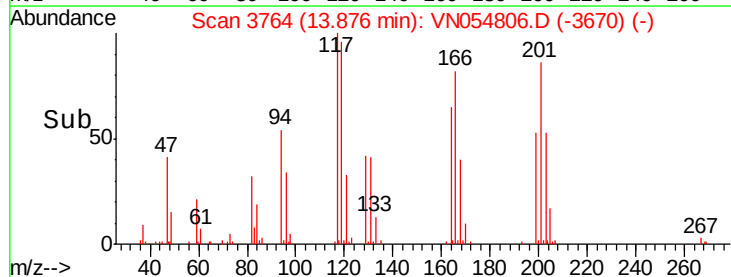
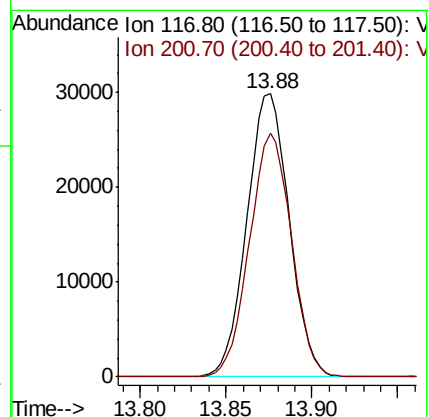
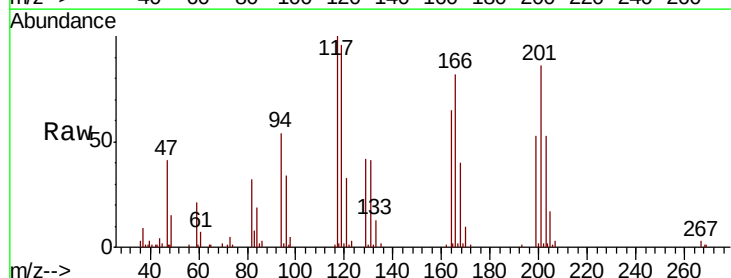
Acq: 30 Mar 2019 16:52

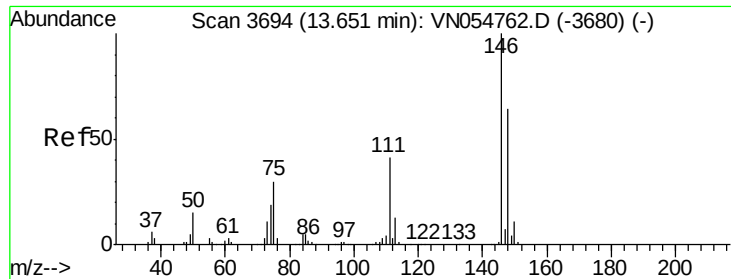
Tgt Ion: 117 Resp: 51211

Ion Ratio Lower Upper

117 100

201 85.2 48.1 144.4

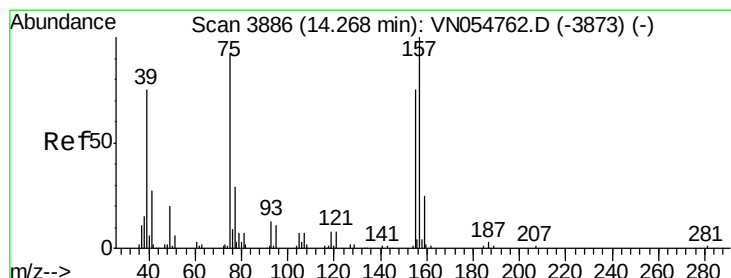
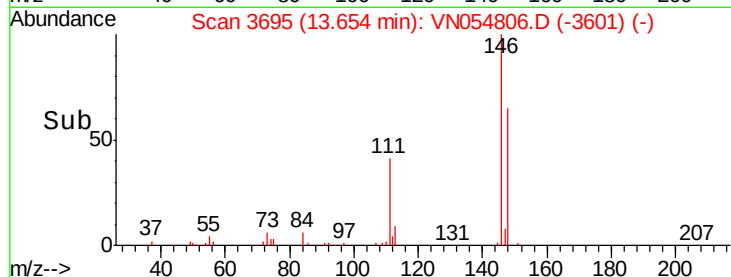
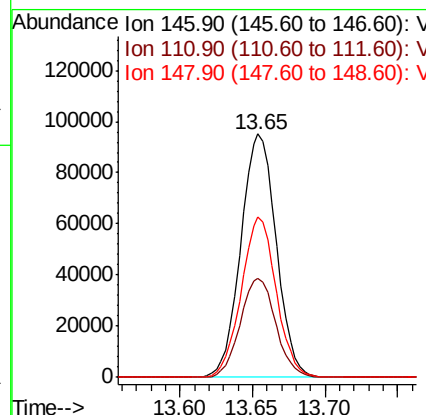
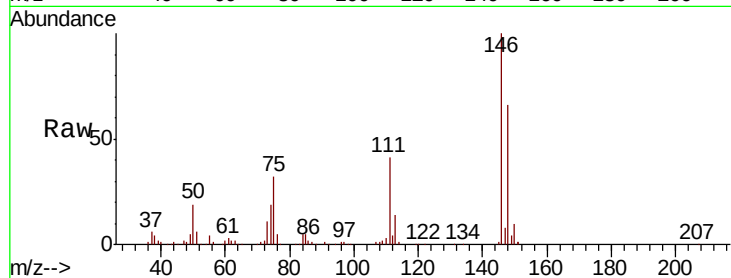




#91
 1,2-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

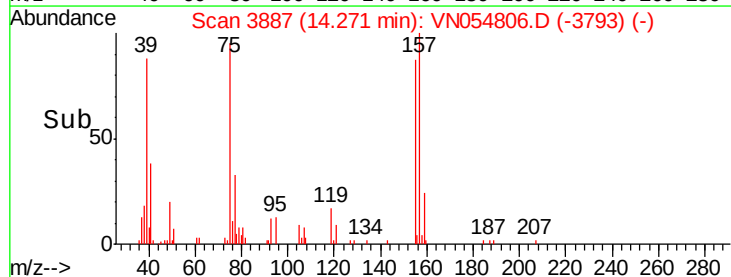
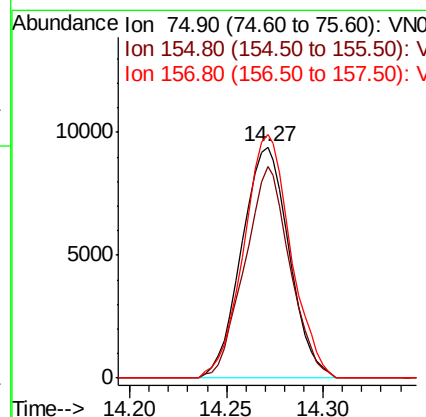
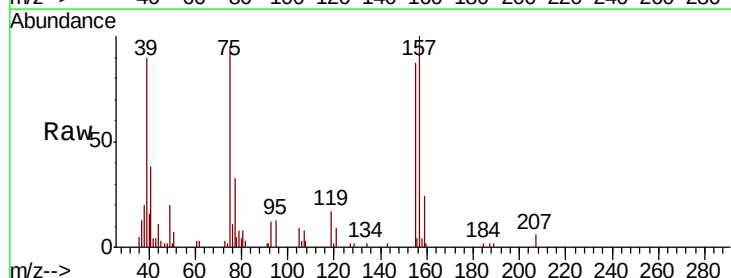
Instrument :
 MSVOA_N
 ClientSampleId :

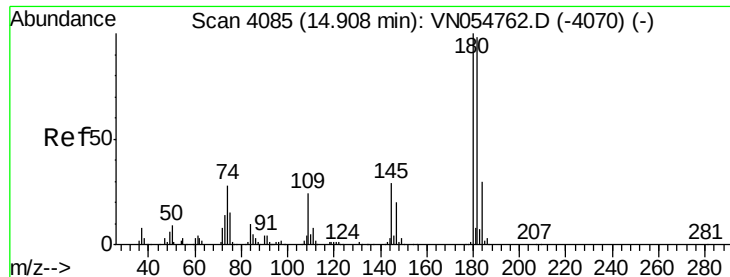
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	65.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.240 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	50.1	150.3
157	104.5	63.1	189.3

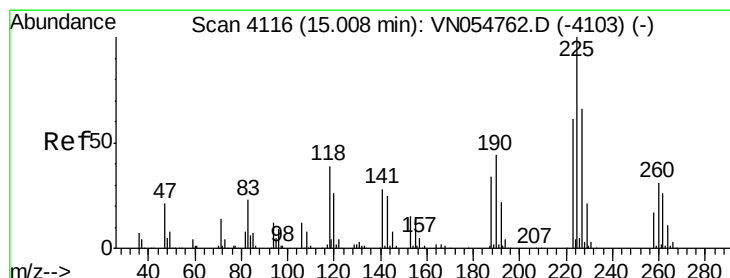
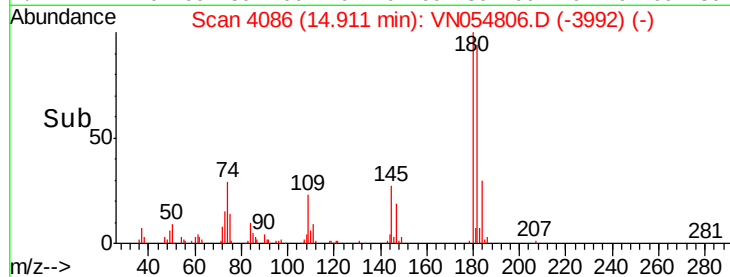
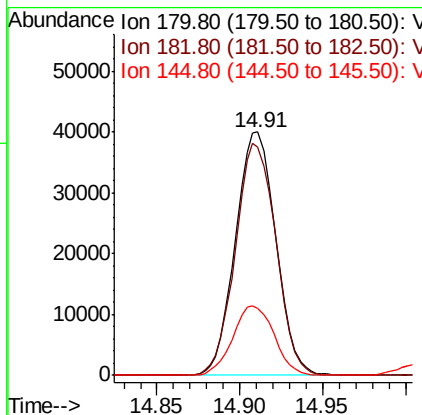
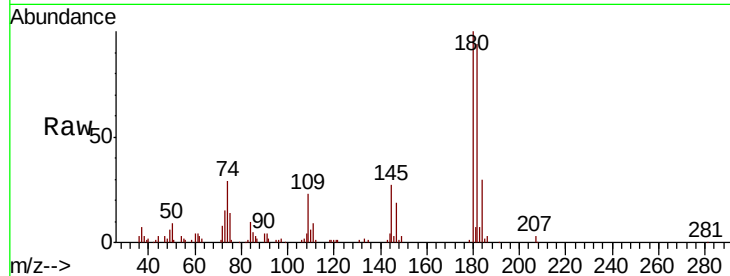




#93
 1,2,4-Trichlorobenzene
 Concen: 17.128 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

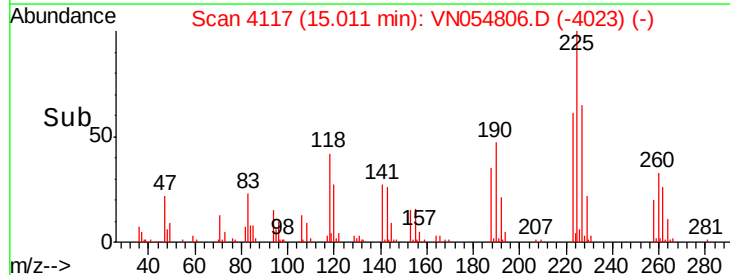
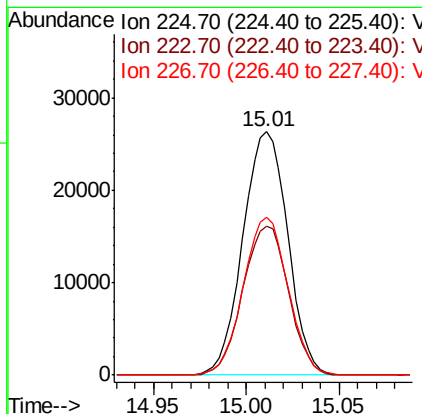
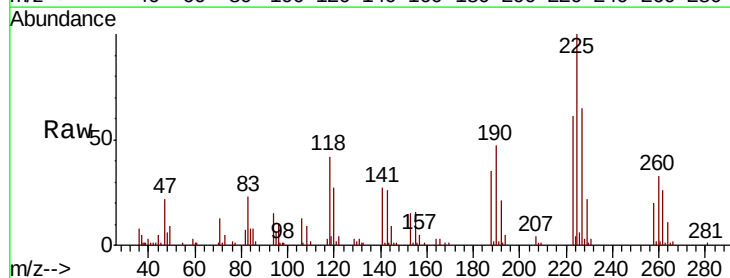
Instrument :
 MSVOA_N
 ClientSampled :

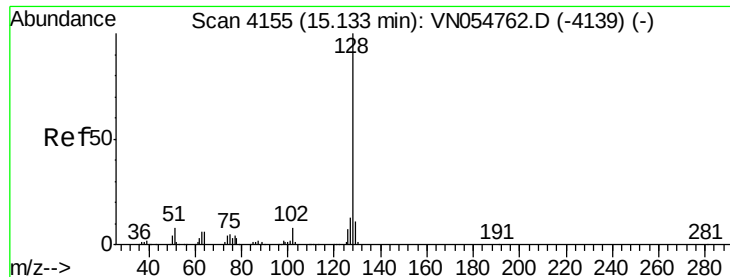
Tot Ion:180 Resp: 68032
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 29.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 17.410 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion:225 Resp: 44178
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.5
 227 64.7 31.9 95.9





#95

Naphthalene

Concen: 19.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

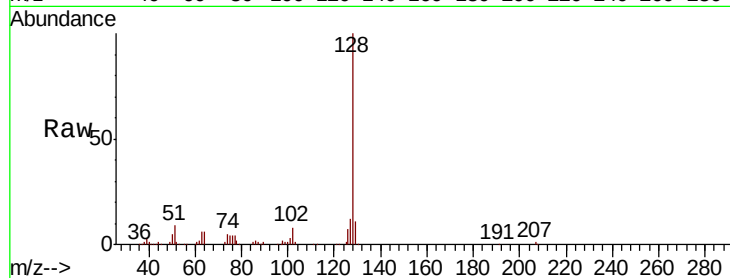
Tot Ion:128 Resp: 170769

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

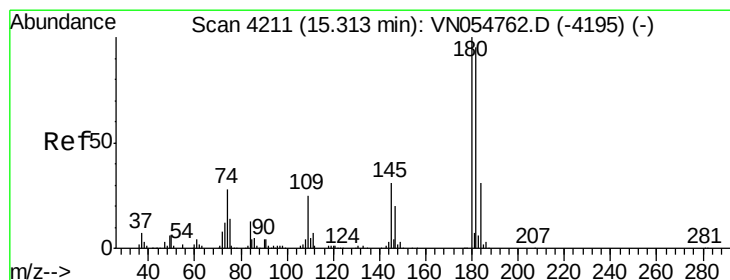
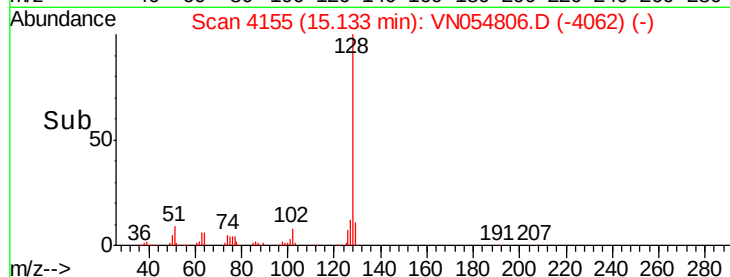
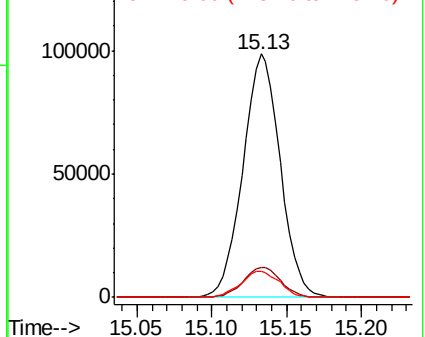
129 11.2 8.7 13.1



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: 17.999 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

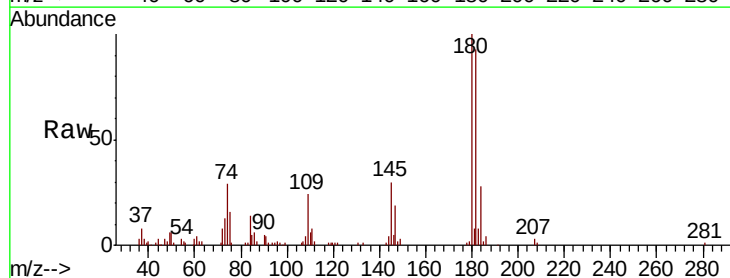
Tgt Ion:180 Resp: 72203

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 31.2 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

