

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053860.D
 Acq On : 19 Feb 2019 11:07
 Operator : JC/SP
 Sample : VN0219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Quant Time: Feb 20 03:16:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	580833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	908306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373994	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	319869	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	
35) Dibromofluoromethane	7.59	113	303402	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1073202	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	377317	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	109521	16.950	ug/l	100
3) Chloromethane	2.06	50	119441	17.321	ug/l	100
4) Vinyl Chloride	2.19	62	134802	20.138	ug/l	98
5) Bromomethane	2.57	94	94255	21.535	ug/l	97
6) Chloroethane	2.71	64	83978	21.954	ug/l	100
7) Trichlorofluoromethane	3.02	101	187882	20.698	ug/l	100
8) Diethyl Ether	3.41	74	68333	20.613	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111751	19.906	ug/l	98
10) Methyl Iodide	3.96	142	155829	17.685	ug/l	100
11) Tert butyl alcohol	4.79	59	42012	121.827	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	101957	18.956	ug/l	99
13) Acrolein	3.61	56	10441	55.610	ug/l	95
14) Allyl chloride	4.32	41	163283	19.066	ug/l	98
15) Acrylonitrile	4.99	53	201399	108.182	ug/l	99
16) Acetone	3.81	43	161523	108.070	ug/l	98
17) Carbon Disulfide	4.06	76	262150	15.653	ug/l	100
18) Methyl Acetate	4.32	43	108612	24.538	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	290030	21.271	ug/l	97
20) Methylene Chloride	4.55	84	121146	19.320	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	109898	18.939	ug/l	96
22) Diisopropyl ether	5.95	45	323925	20.413	ug/l	96
23) Vinyl Acetate	5.90	43	1104479	100.613	ug/l	98
24) 1,1-Dichloroethane	5.85	63	220276	20.812	ug/l	99
25) 2-Butanone	6.84	43	223839	105.008	ug/l	98
26) 2,2-Dichloropropane	6.82	77	161321	19.967	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	130787	20.269	ug/l	96
28) Bromochloromethane	7.19	49	86604	18.855	ug/l	93
29) Tetrahydrofuran	7.21	42	145773	106.498	ug/l	97
30) Chloroform	7.37	83	216546	20.639	ug/l	99
31) Cyclohexane	7.65	56	177532	17.907	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	182607	20.914	ug/l	99
36) 1,1-Dichloropropene	7.79	75	156887	19.161	ug/l	98
37) Ethyl Acetate	6.93	43	93595	20.467	ug/l #	92
38) Carbon Tetrachloride	7.78	117	164884	19.990	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	166527	17.143	ug/l	98
40) Benzene	8.04	78	494014	19.566	ug/l	99
41) Methacrylonitrile	7.17	41	53413	20.899	ug/l	93
42) 1,2-Dichloroethane	8.12	62	149682	19.966	ug/l	99
43) Isopropyl Acetate	8.17	43	183274	20.753	ug/l #	85
44) Trichloroethene	8.83	130	134904	18.767	ug/l	98
45) 1,2-Dichloropropane	9.12	63	128473	19.893	ug/l	100
46) Dibromomethane	9.21	93	77022	19.785	ug/l	97
47) Bromodichloromethane	9.40	83	161192	19.914	ug/l	97
48) Methyl methacrylate	9.20	41	78355	18.587	ug/l	94
49) 1,4-Dioxane	9.20	88	26487	455.765	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	449614	103.604	ug/l	99
52) Toluene	10.16	92	291076	19.424	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156388	19.295	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	185566	19.320	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	111364	20.624	ug/l	99
56) Ethyl methacrylate	10.43	69	126736	19.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	185772	20.130	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	280269	76.488	ug/l	98
59) 2-Hexanone	10.75	43	289908	98.404	ug/l	99
60) Dibromochloromethane	10.90	129	128531	21.108	ug/l	97
61) 1,2-Dibromoethane	11.00	107	105609	19.760	ug/l	100
64) Tetrachloroethene	10.63	164	132336	19.422	ug/l	98
65) Chlorobenzene	11.44	112	342105	20.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	130107	22.065	ug/l	99
67) Ethyl Benzene	11.51	91	556191	20.054	ug/l	99
68) m/p-Xylenes	11.62	106	424797	40.130	ug/l	100
69) o-Xylene	11.95	106	208106	20.349	ug/l	100
70) Styrene	11.96	104	338103	20.398	ug/l	99
71) Bromoform	12.13	173	92128	22.790	ug/l #	100
73) Isopropylbenzene	12.25	105	566812	21.559	ug/l	100
74) N-amyl acetate	12.07	43	127115	20.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	136477	21.690	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	163587	34.054	ug/l #	100
77) Bromobenzene	12.53	156	147923	20.876	ug/l	99
78) n-propylbenzene	12.59	91	631186	20.767	ug/l	100
79) 2-Chlorotoluene	12.68	91	376796	20.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	470717	21.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34814	20.379	ug/l	96
82) 4-Chlorotoluene	12.77	91	376858	20.368	ug/l	99
83) tert-Butylbenzene	12.99	119	422619	21.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	469410	21.133	ug/l	99
85) sec-Butylbenzene	13.17	105	559134	21.324	ug/l	99
86) p-Isopropyltoluene	13.29	119	478955	20.885	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	250222	19.644	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	247055	19.608	ug/l	99
89) n-Butylbenzene	13.62	91	389509	19.623	ug/l	99
90) Hexachloroethane	13.88	117	83486	22.070	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	249300	20.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19125	21.327	ug/l	95

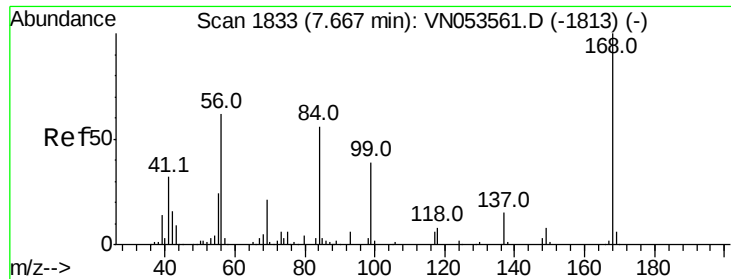
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
Data File : VN053860.D
Acq On : 19 Feb 2019 11:07
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128229	18.335	ug/l	99
94) Hexachlorobutadiene	15.01	225	97753	22.444	ug/l	100
95) Naphthalene	15.13	128	248478	16.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	128326	19.775	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: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

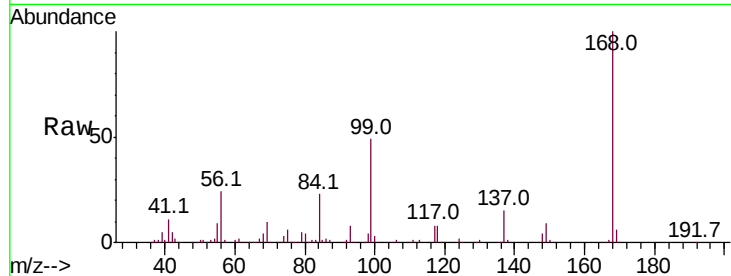
VN0219WBSD01

Tot Ion:168 Resp: 580833

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

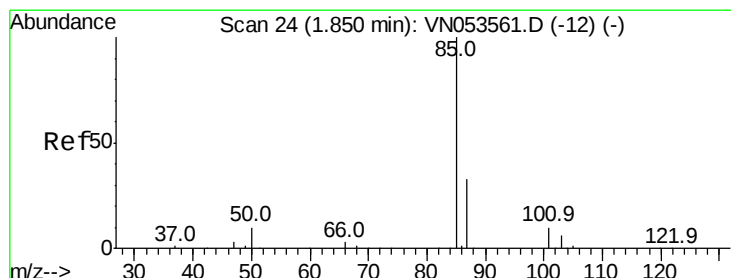
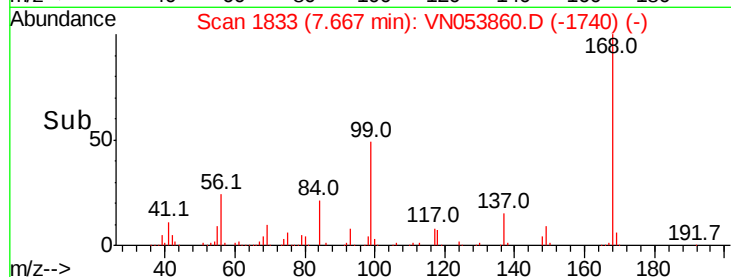
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.950 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053860.D

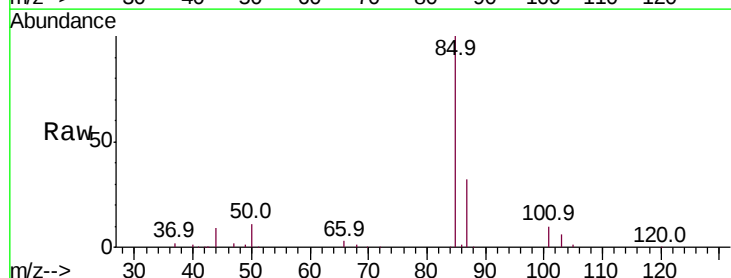
Acq: 19 Feb 2019 11:07

Tgt Ion: 85 Resp: 109521

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

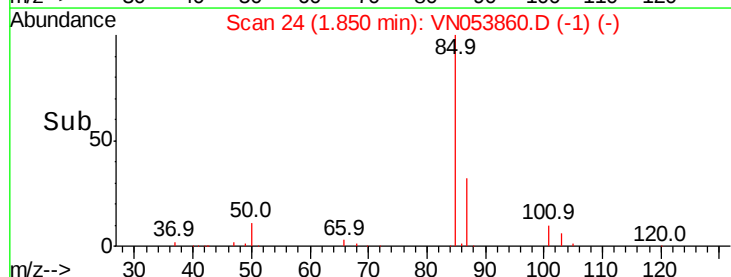
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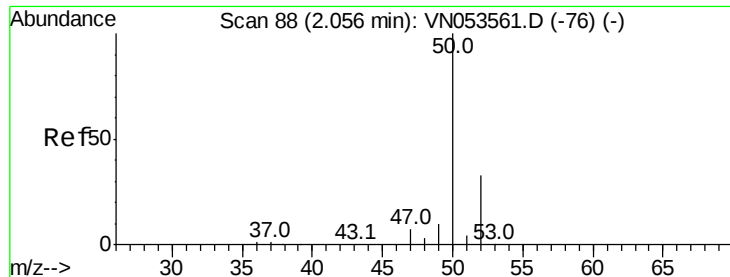
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.321 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

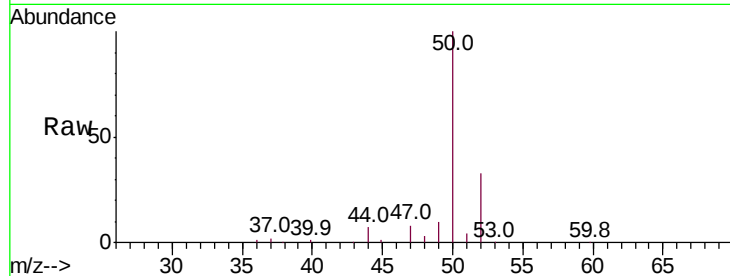
VN0219WBSD01

Tot Ion: 50 Resp: 119441

Ion Ratio Lower Upper

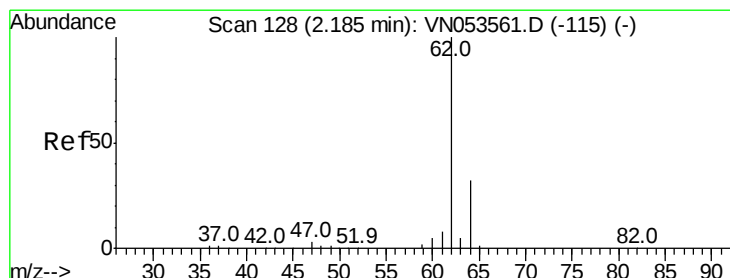
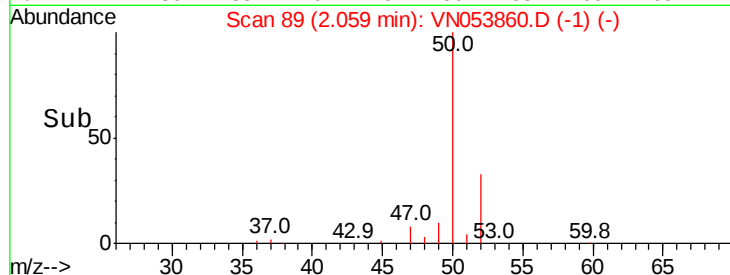
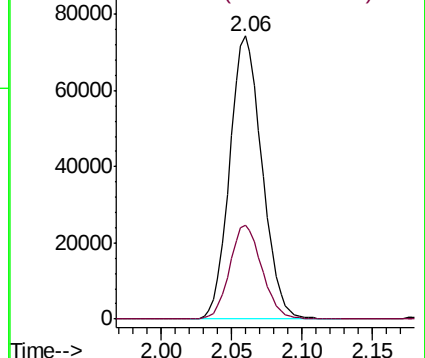
50 100

52 33.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053860.D

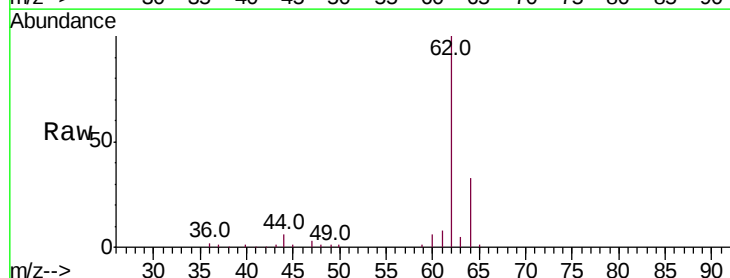
Acq: 19 Feb 2019 11:07

Tgt Ion: 62 Resp: 134802

Ion Ratio Lower Upper

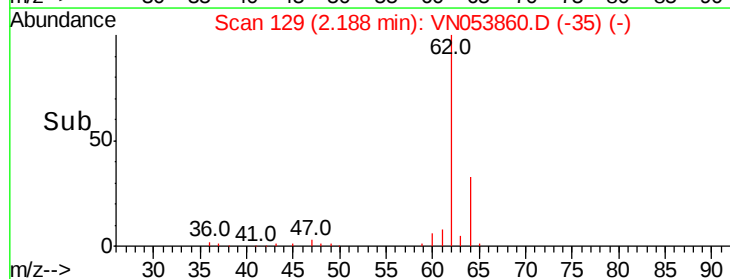
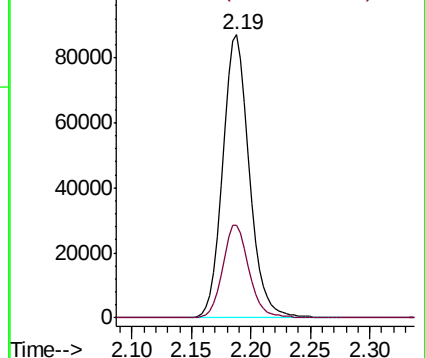
62 100

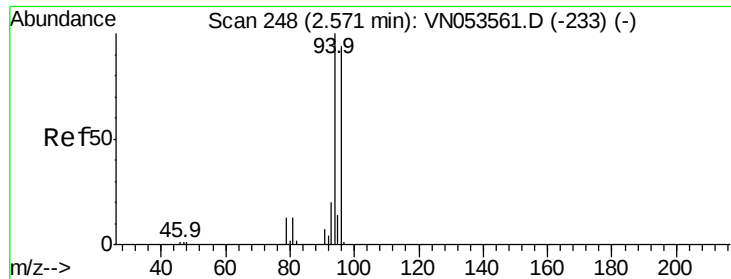
64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.535 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

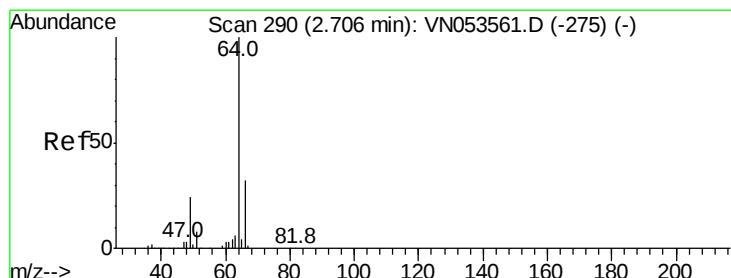
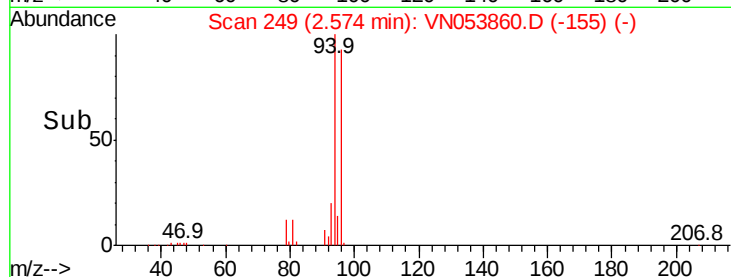
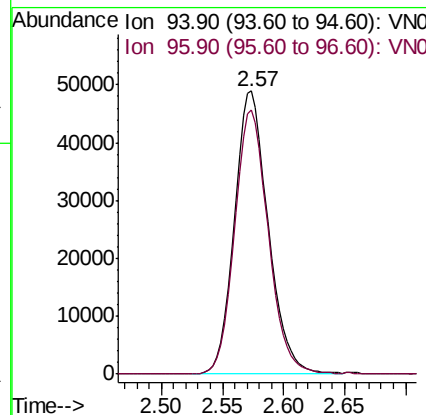
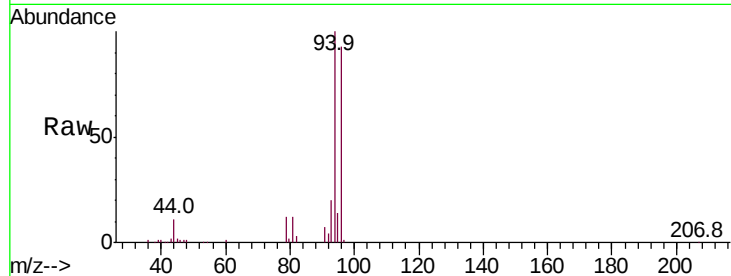
VN0219WBSD01

Tot Ion: 94 Resp: 94255

Ion Ratio Lower Upper

94 100

96 93.4 76.8 115.2



#6

Chloroethane

Concen: 21.954 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053860.D

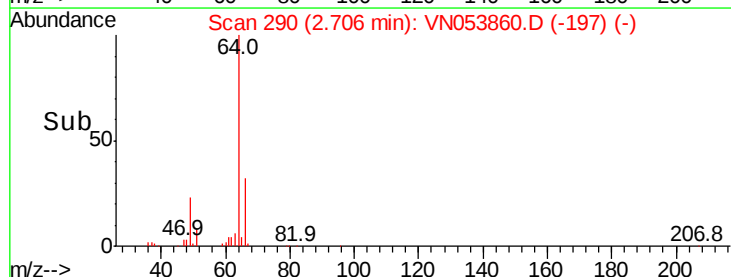
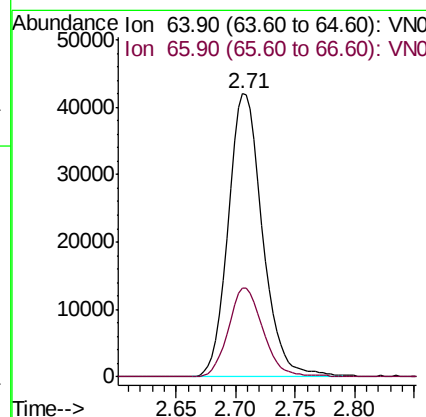
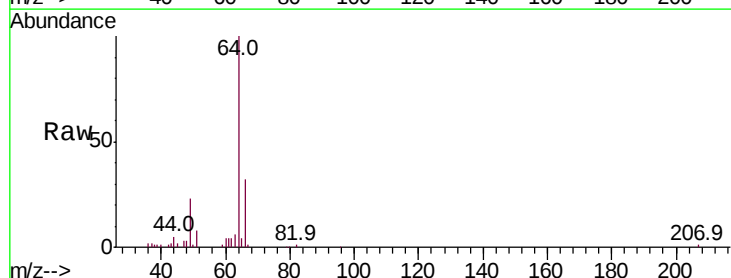
Acq: 19 Feb 2019 11:07

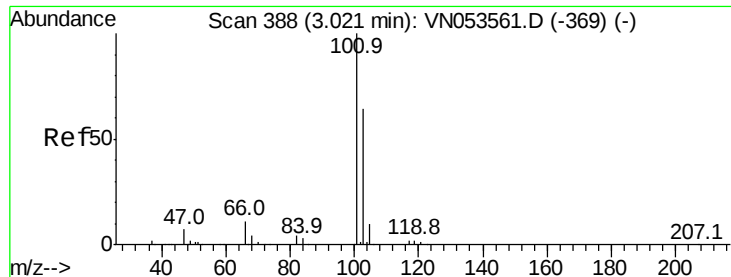
Tgt Ion: 64 Resp: 83978

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



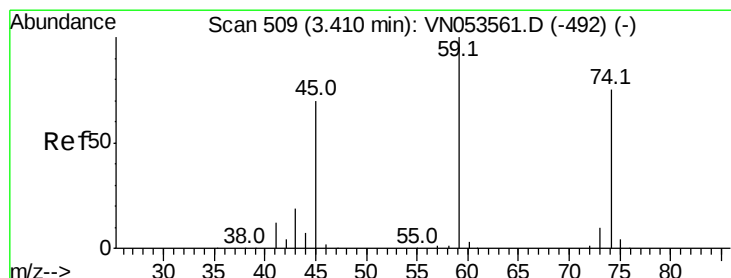
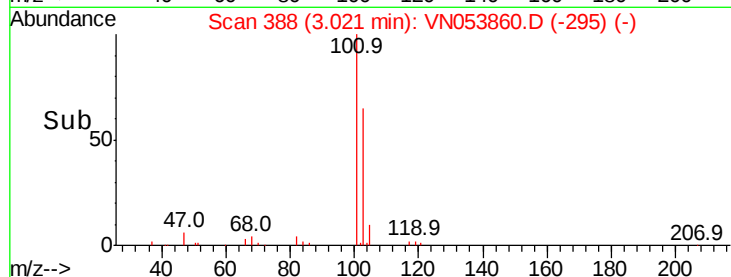
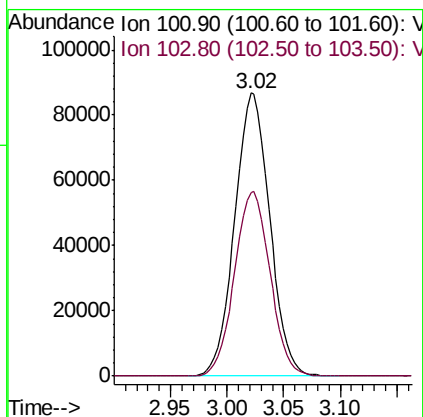
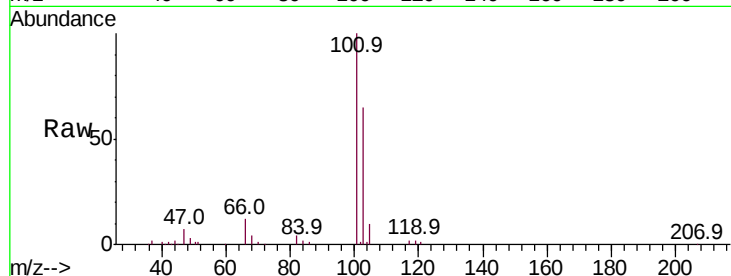


#7

Trichlorofluoromethane
 Concen: 20.698 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

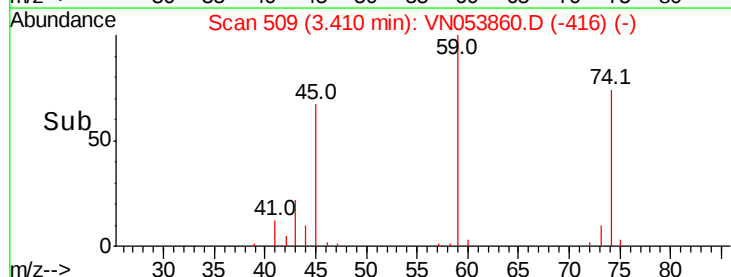
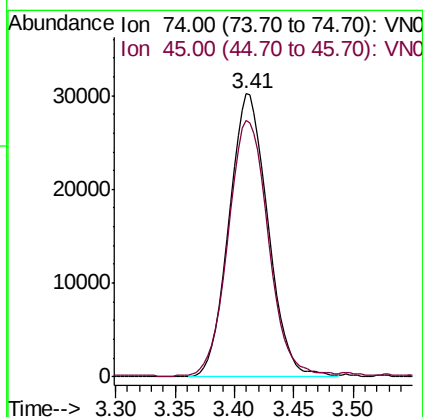
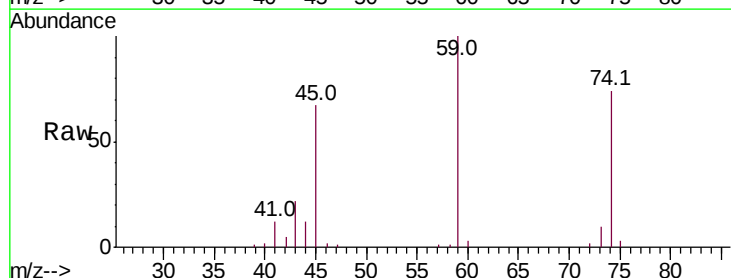
Tot Ion:101 Resp: 187882
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

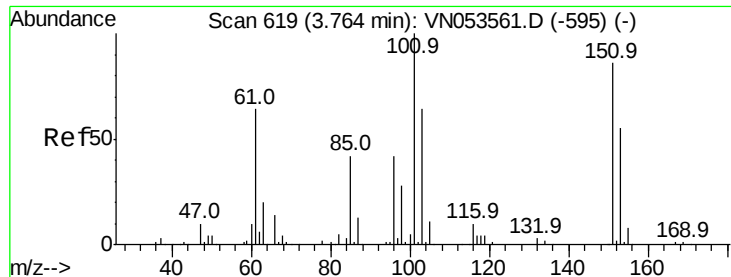


#8

Diethyl Ether
 Concen: 20.613 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 74 Resp: 68333
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.9 143.7

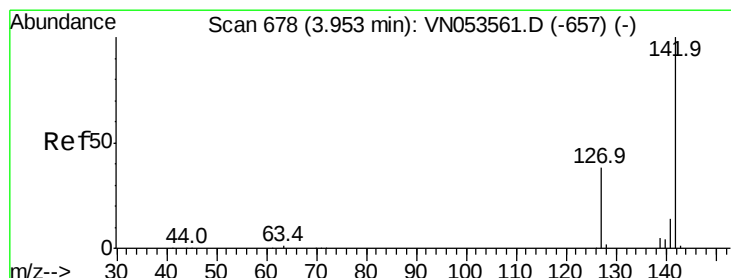
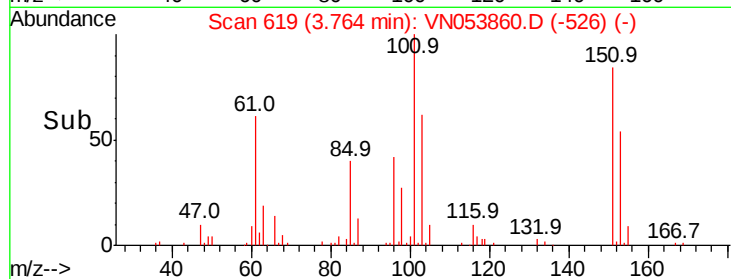
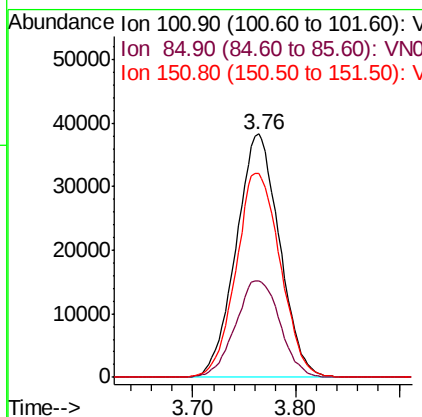
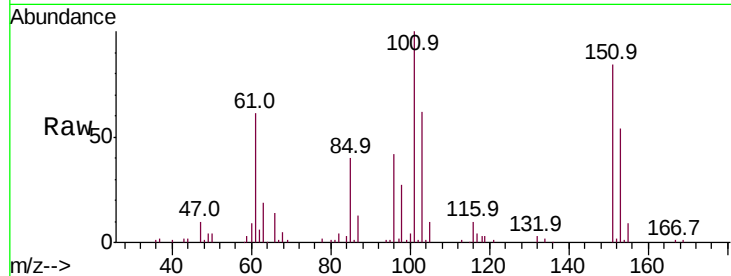




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.906 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

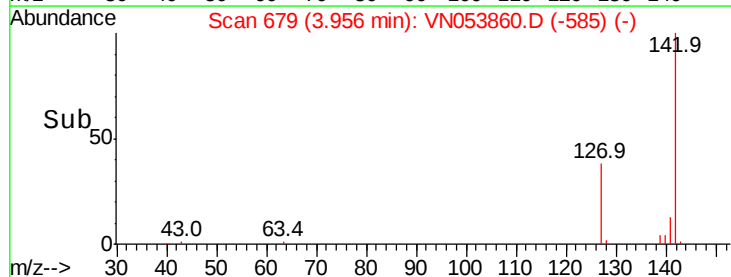
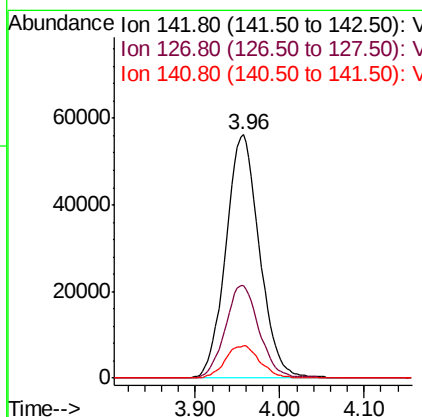
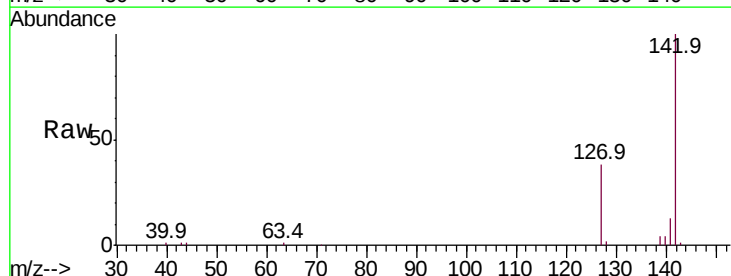
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

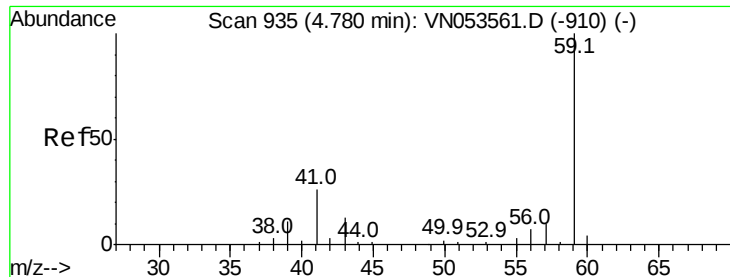
Tot Ion:	101	Resp:	111751
Ion	Ratio	Lower	Upper
101	100		
85	40.8	32.8	49.2
151	85.9	66.9	100.3



#10
 Methyl Iodide
 Concen: 17.685 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion:	142	Resp:	155829
Ion	Ratio	Lower	Upper
142	100		
127	38.4	31.0	46.4
141	13.8	11.1	16.7



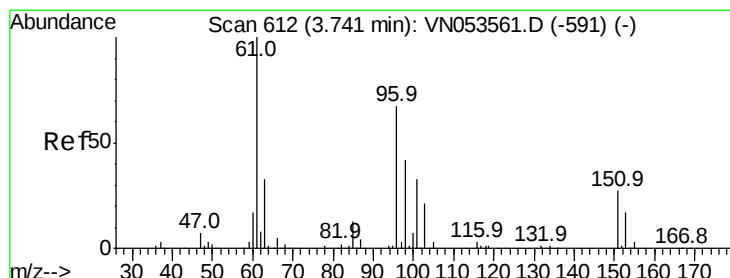
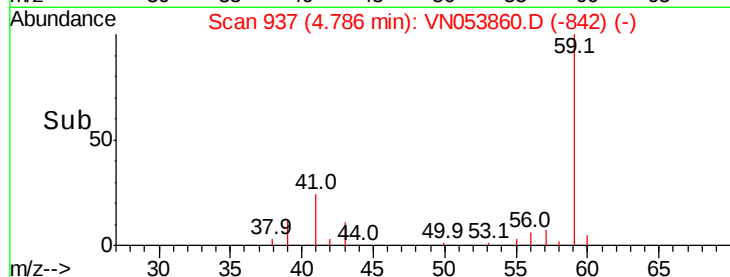
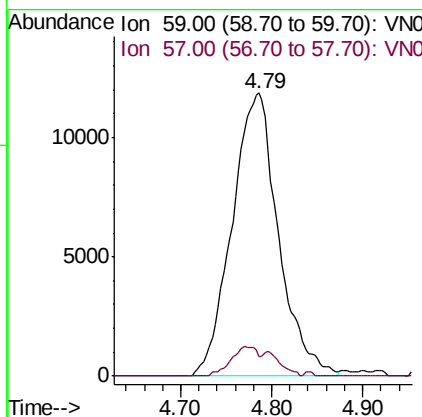
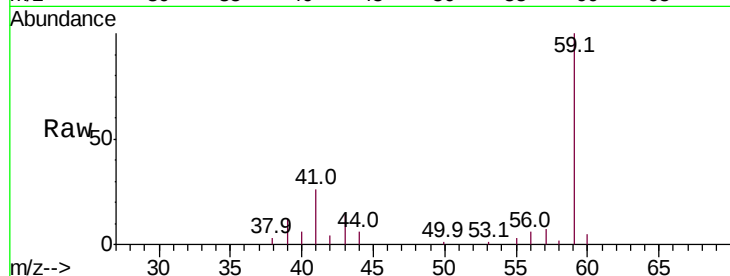


#11

Tert butyl alcohol
 Concen: 121.827 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBSD01

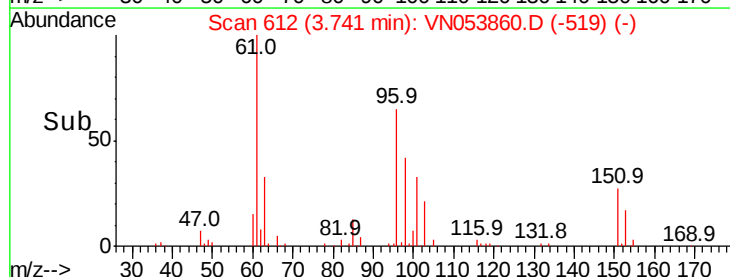
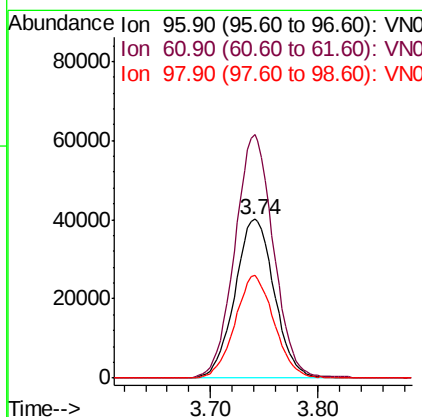
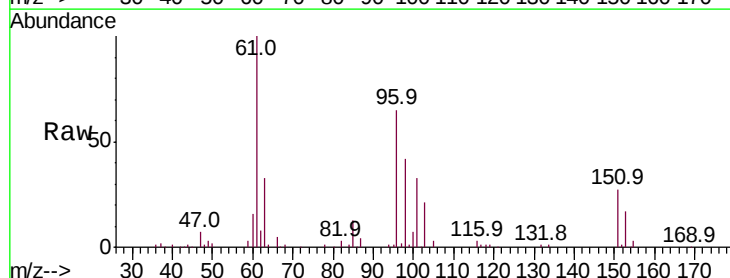
Tot Ion: 59 Resp: 42012
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.2 12.4#

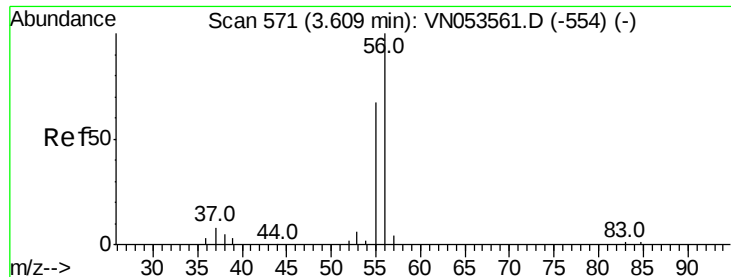


#12

1,1-Dichloroethene
 Concen: 18.956 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 96 Resp: 101957
 Ion Ratio Lower Upper
 96 100
 61 153.3 122.9 184.3
 98 64.6 49.4 74.0





#13

Acrolein

Concen: 55.610 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

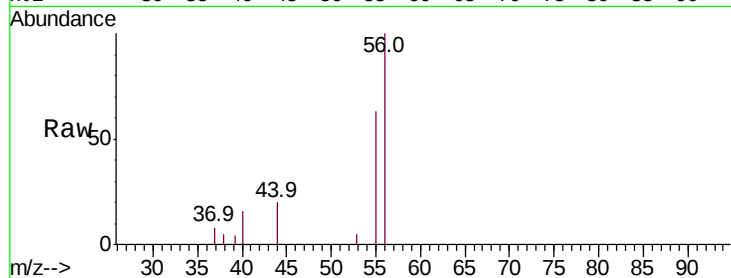
VN0219WBSD01

Tot Ion: 56 Resp: 10441

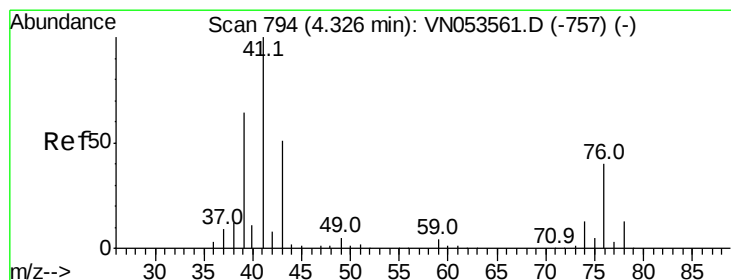
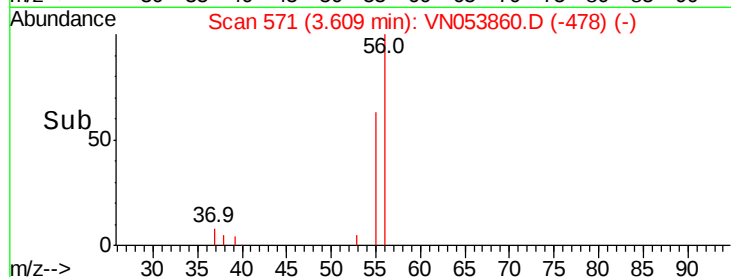
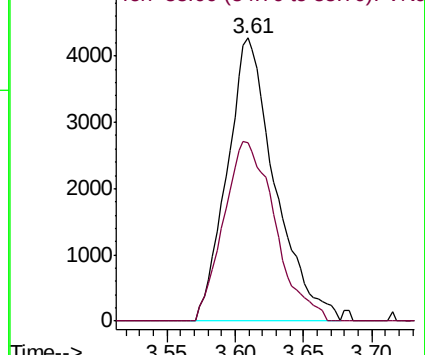
Ion Ratio Lower Upper

56 100

55 67.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.066 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

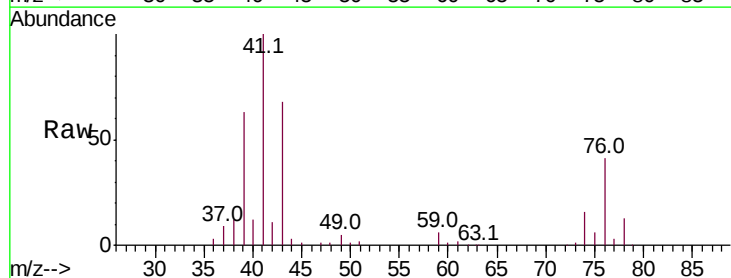
Tgt Ion: 41 Resp: 163283

Ion Ratio Lower Upper

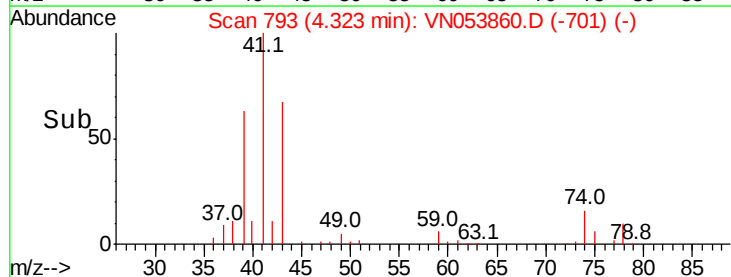
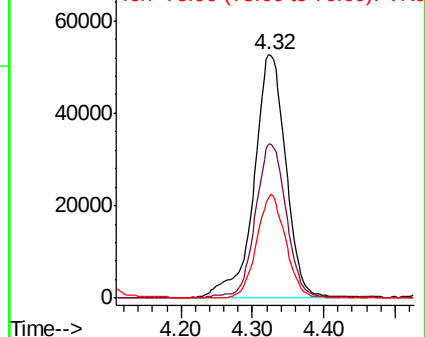
41 100

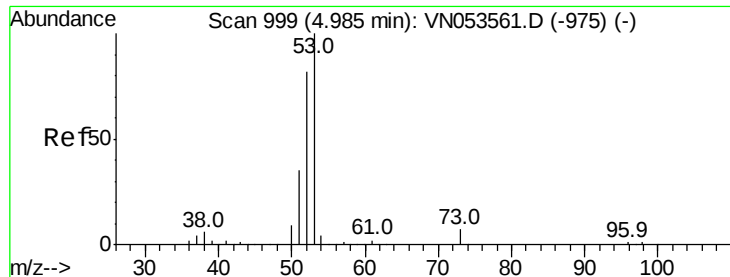
39 61.7 48.9 73.3

76 38.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 108.182 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

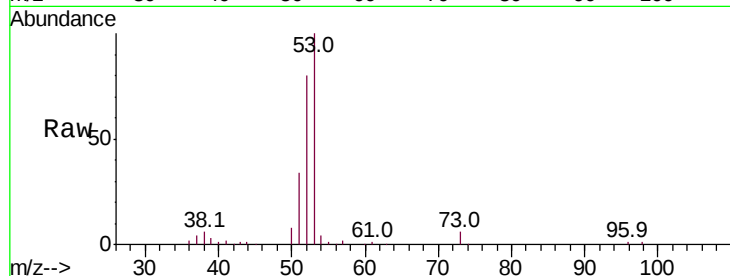
Tot Ion: 53 Resp: 201399

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

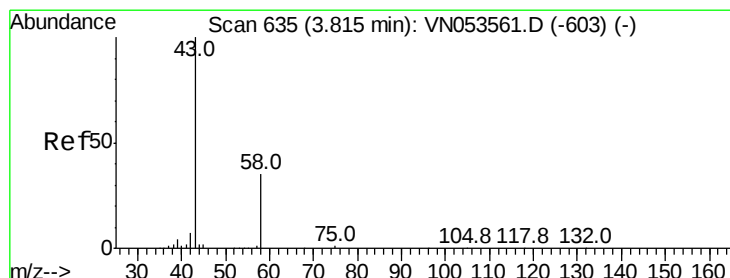
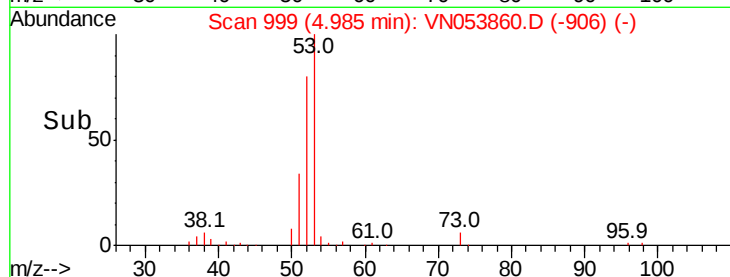
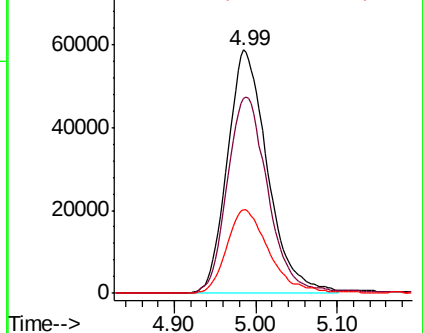
51 36.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 108.070 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053860.D

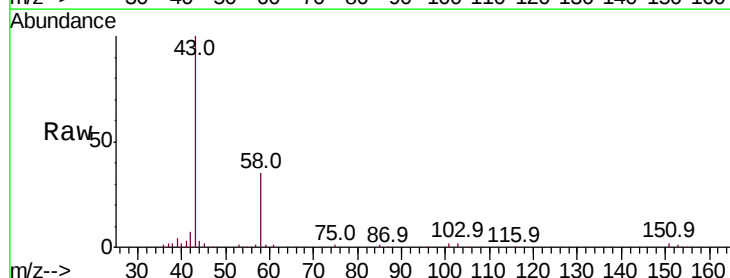
Acq: 19 Feb 2019 11:07

Tgt Ion: 43 Resp: 161523

Ion Ratio Lower Upper

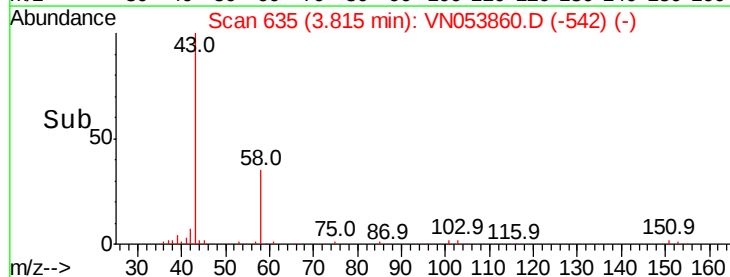
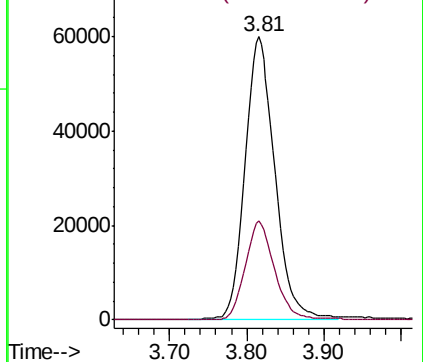
43 100

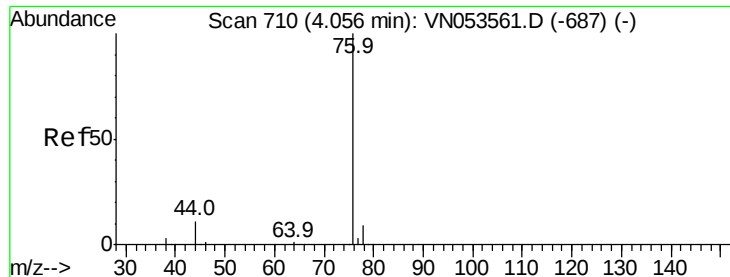
58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

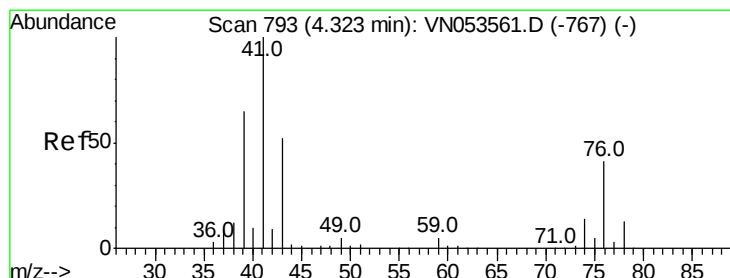
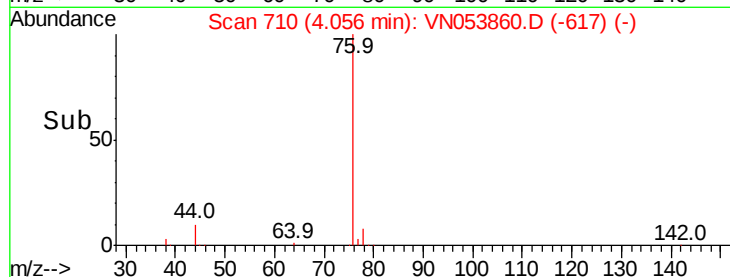
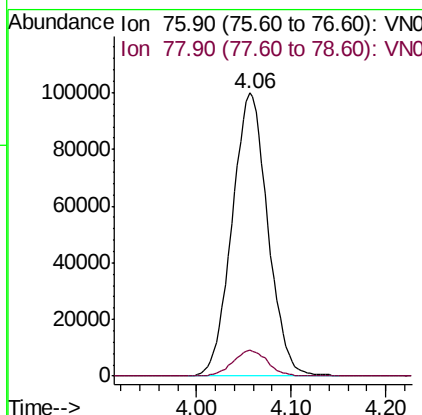
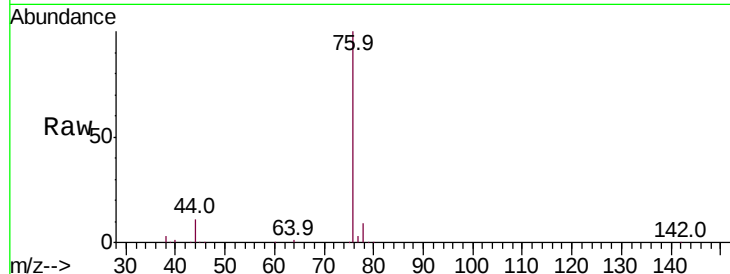




#17
Carbon Disulfide
Concen: 15.653 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

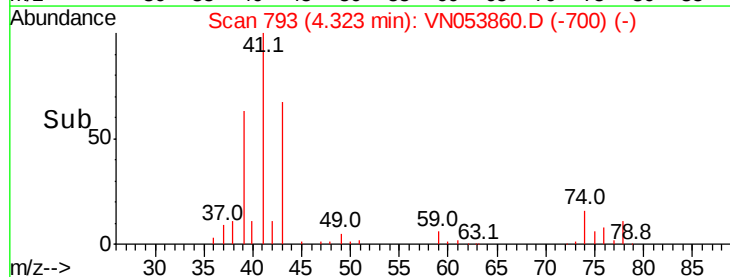
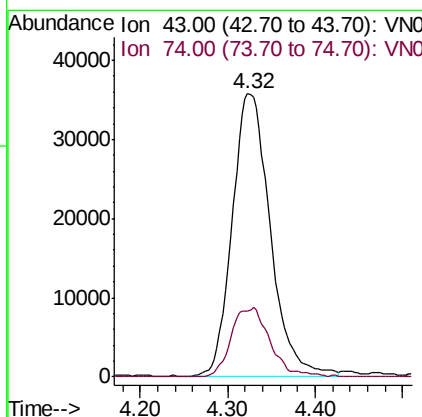
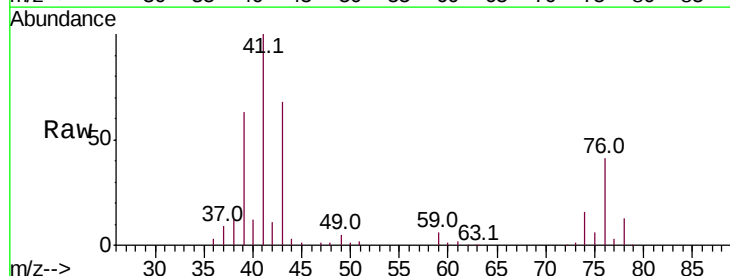
Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

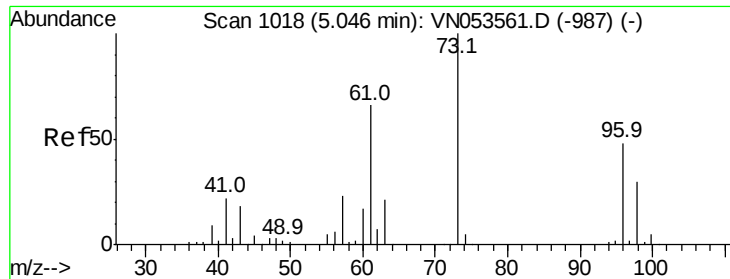
Tot Ion: 76 Resp: 262150
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 24.538 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 43 Resp: 108612
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2

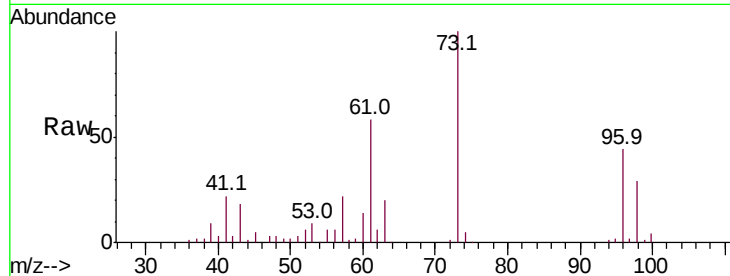




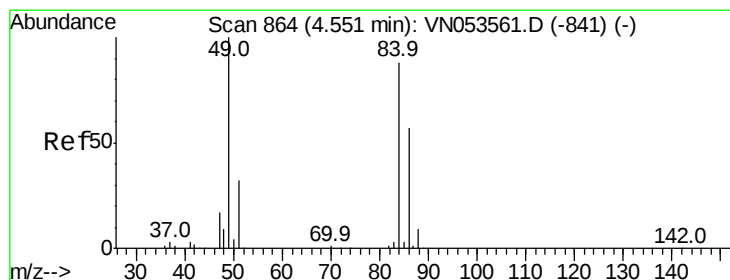
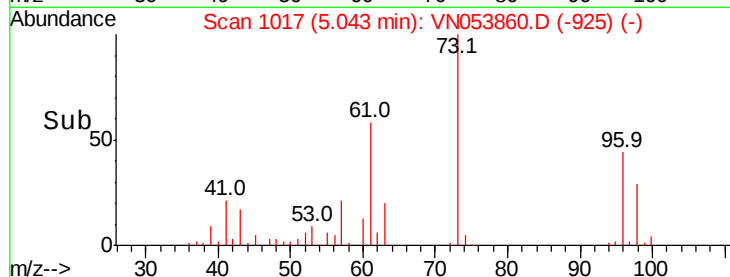
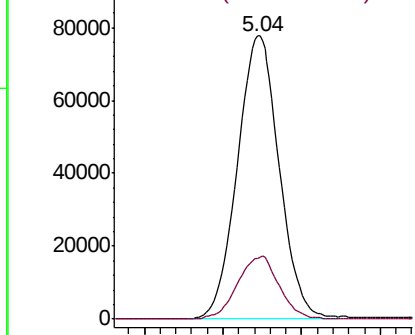
#19
Methyl tert-butyl Ether
Concen: 21.271 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 73 Resp: 290030
Ion Ratio Lower Upper
73 100
57 21.6 18.3 27.5

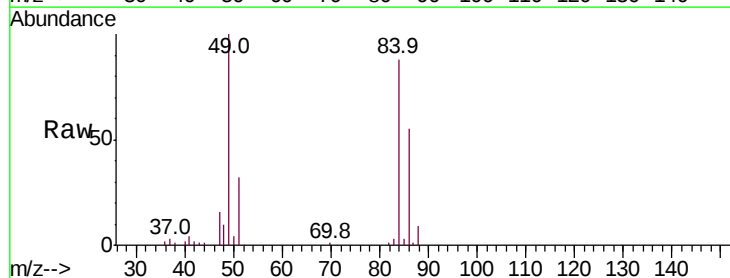


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

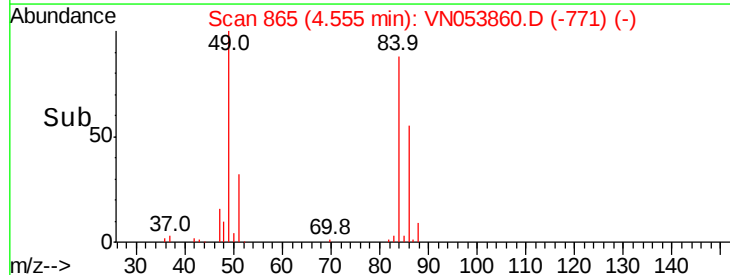
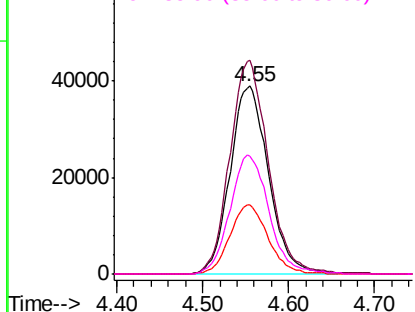


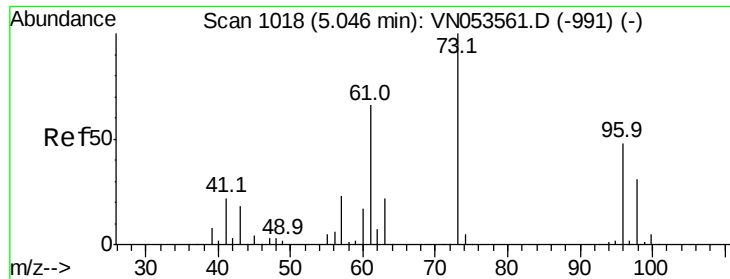
#20
Methylene Chloride
Concen: 19.320 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 84 Resp: 121146
Ion Ratio Lower Upper
84 100
49 113.8 94.3 141.5
51 36.7 29.4 44.2
86 62.8 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

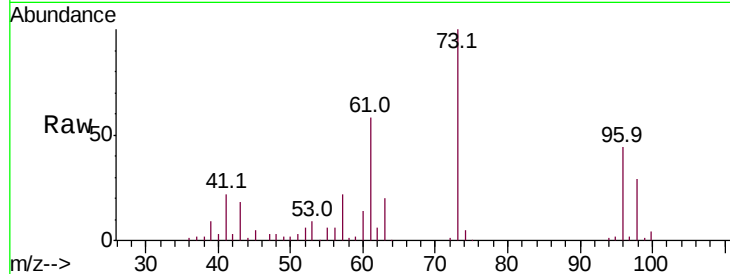




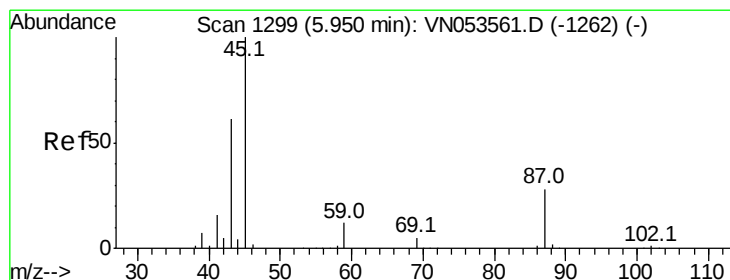
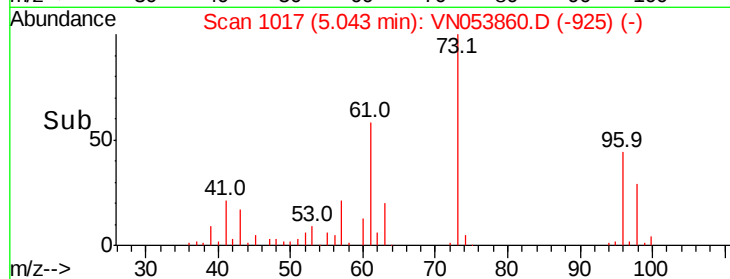
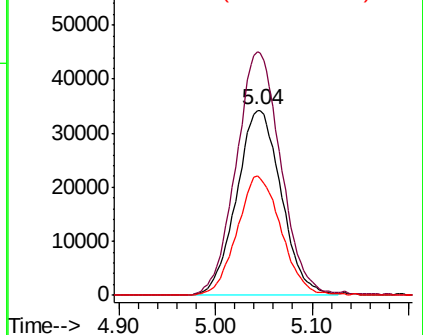
#21
trans-1,2-Dichloroethene
Concen: 18.939 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 96 Resp: 109898
Ion Ratio Lower Upper
96 100
61 131.8 110.1 165.1
98 64.9 50.0 75.0

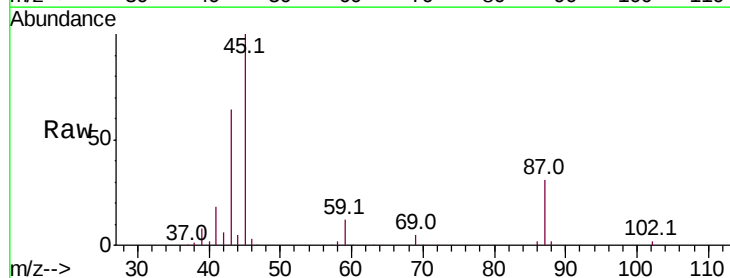


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

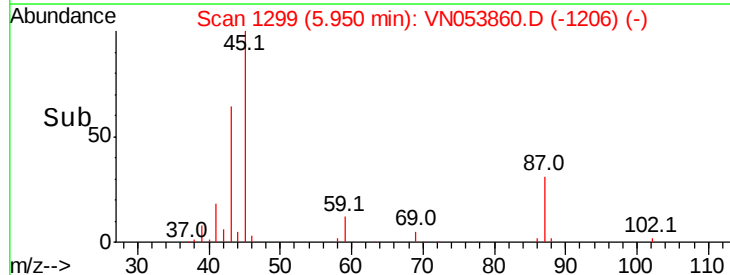
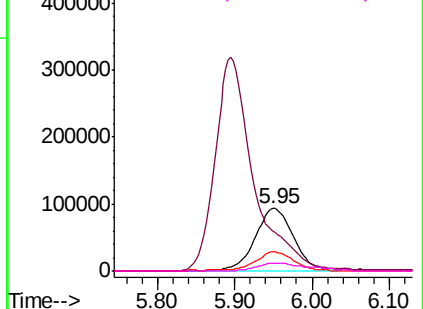


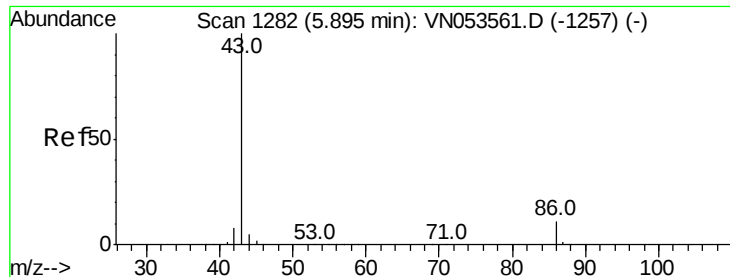
#22
Diisopropyl ether
Concen: 20.413 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 45 Resp: 323925
Ion Ratio Lower Upper
45 100
43 59.7 44.2 66.4
87 29.8 22.7 34.1
59 12.2 9.4 14.2



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





#23

Vinyl Acetate

Concen: 100.613 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

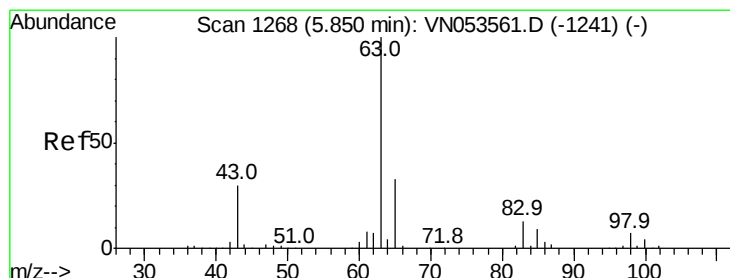
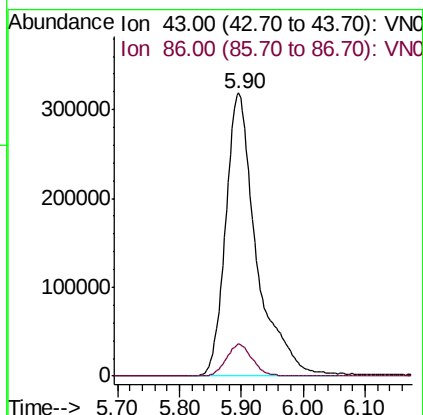
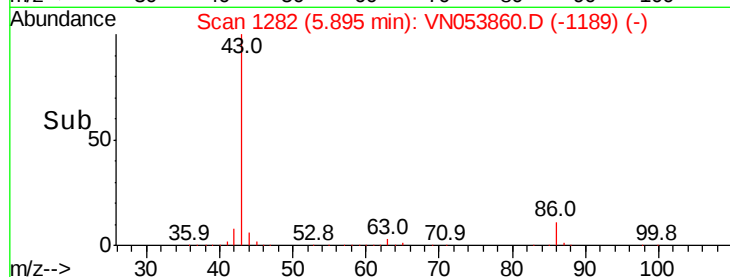
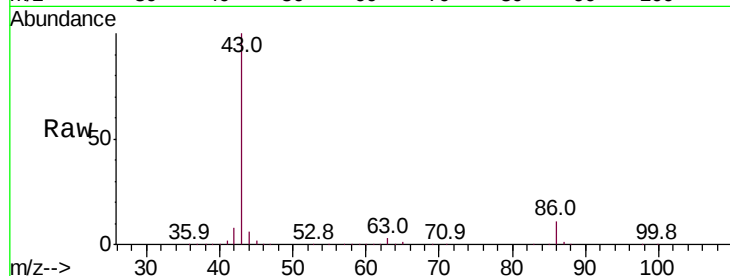
VN0219WBSD01

Tot Ion: 43 Resp: 1104479

Ion Ratio Lower Upper

43 100

86 11.4 8.4 12.6



#24

1,1-Dichloroethane

Concen: 20.812 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

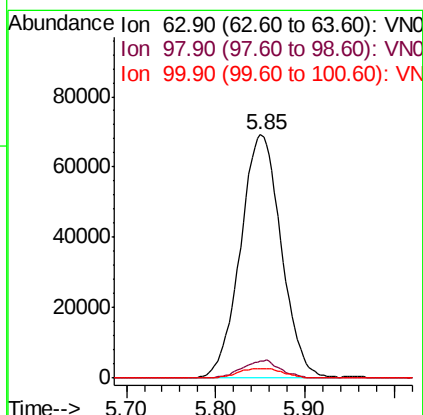
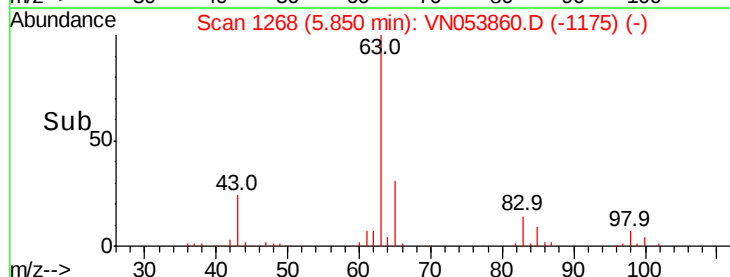
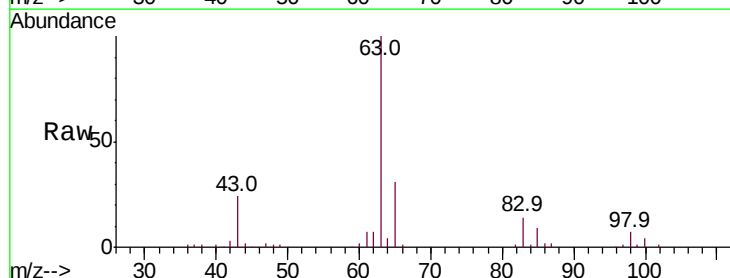
Tgt Ion: 63 Resp: 220276

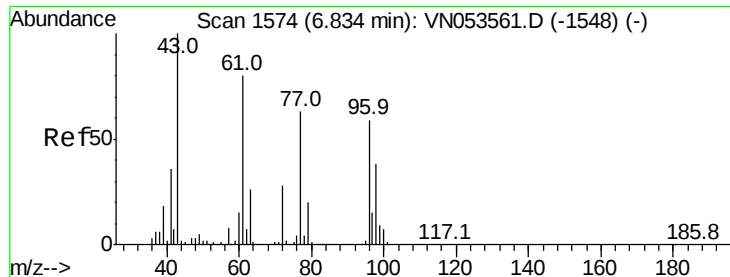
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 105.008 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

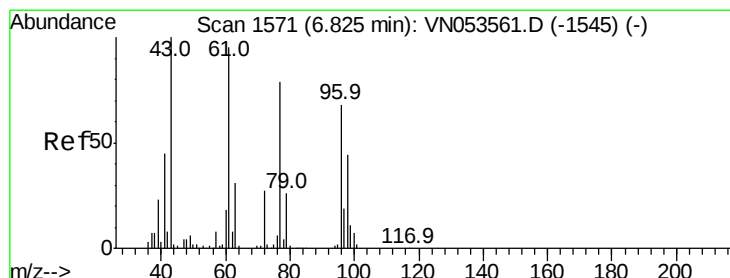
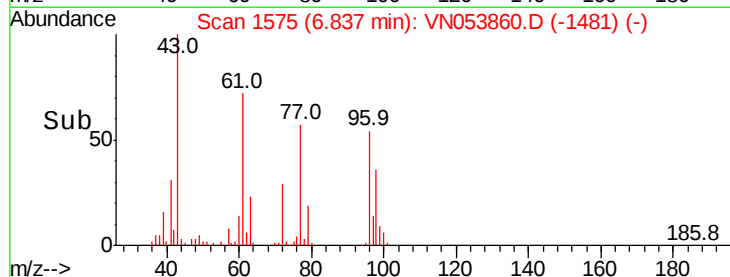
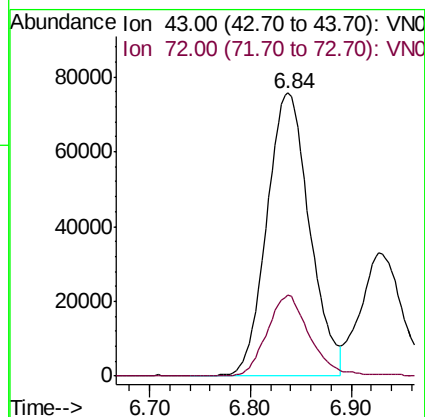
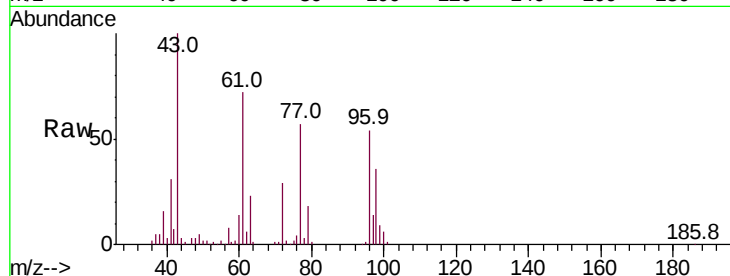
VN0219WBSD01

Tot Ion: 43 Resp: 223839

Ion Ratio Lower Upper

43 100

72 28.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.967 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053860.D

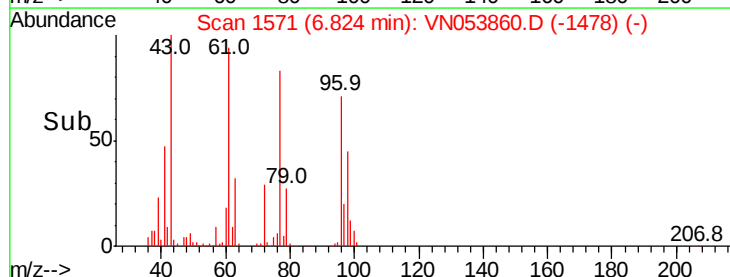
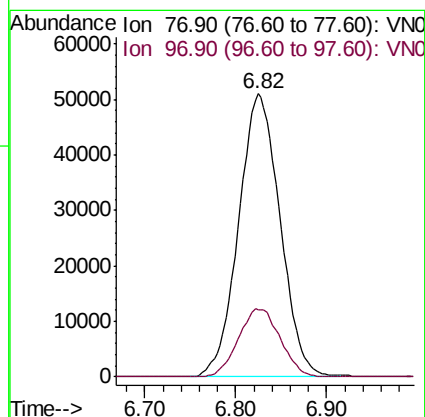
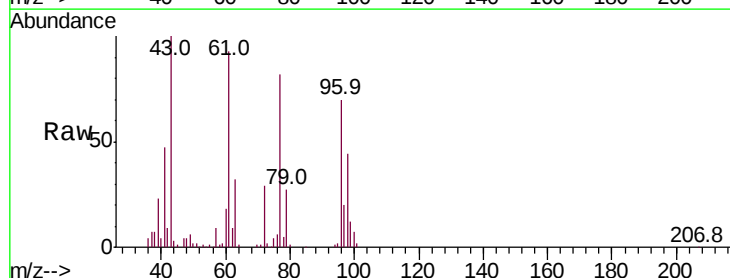
Acq: 19 Feb 2019 11:07

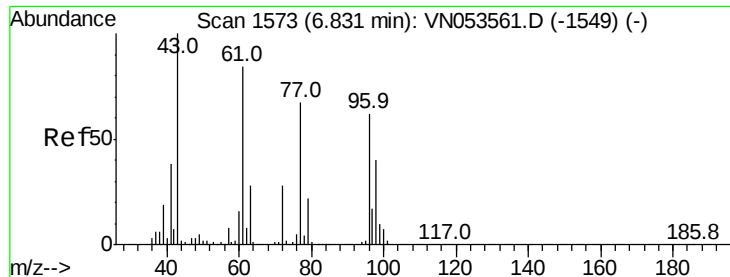
Tgt Ion: 77 Resp: 161321

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.269 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

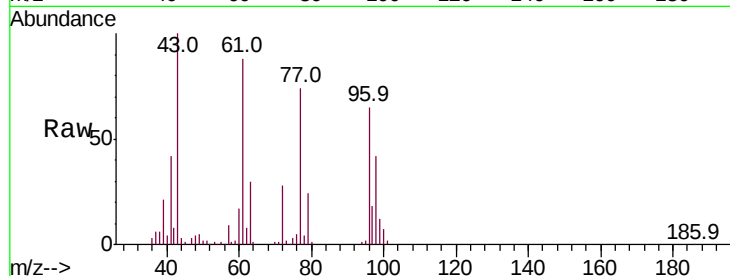
Tot Ion: 96 Resp: 130787

Ion Ratio Lower Upper

96 100

61 135.6 0.0 283.8

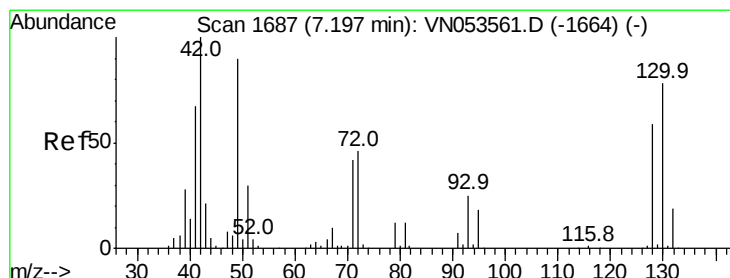
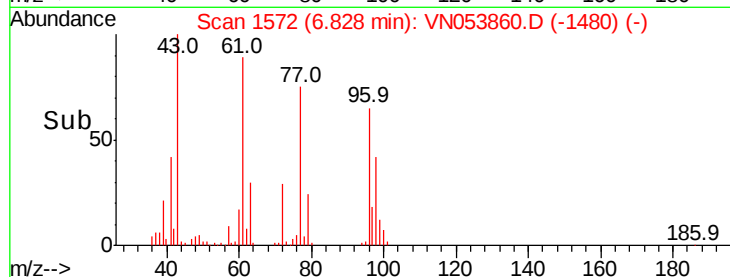
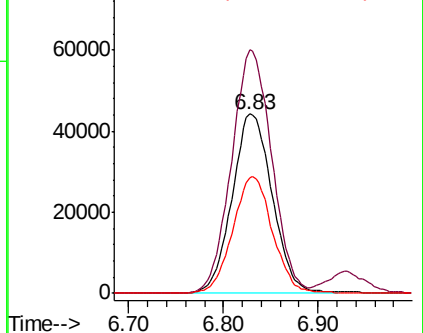
98 64.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.855 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

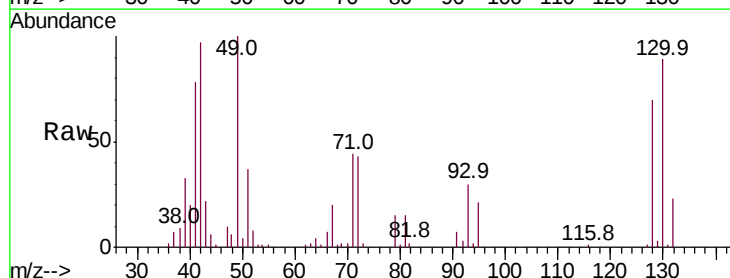
Tgt Ion: 49 Resp: 86604

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

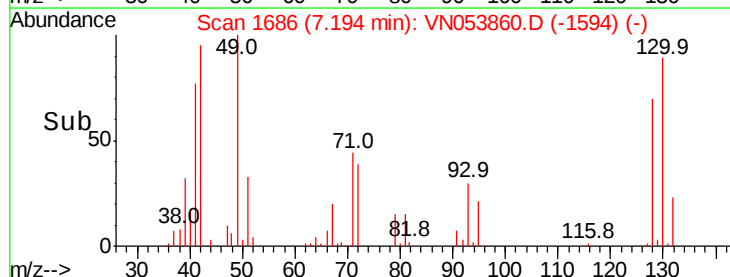
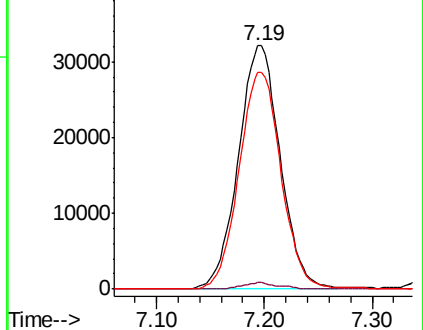
130 89.2 66.3 99.5

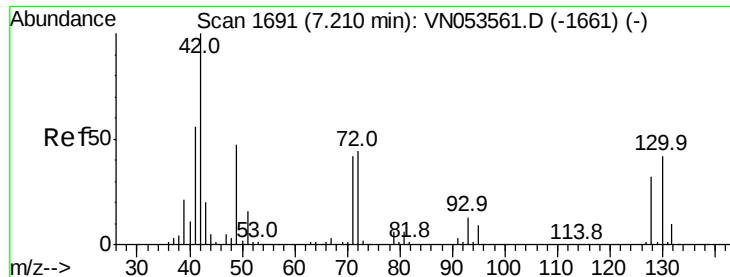


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

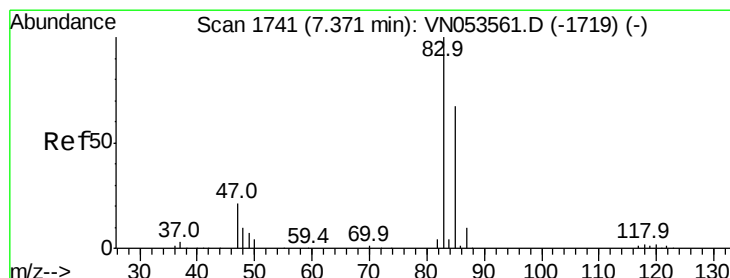
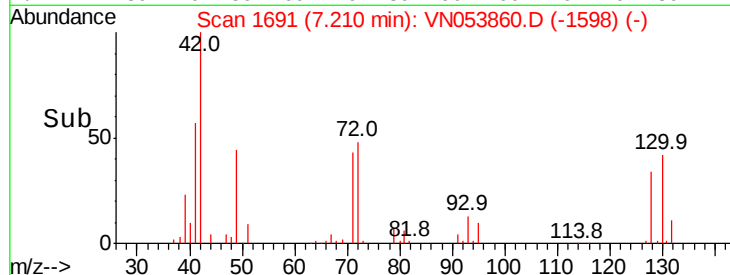
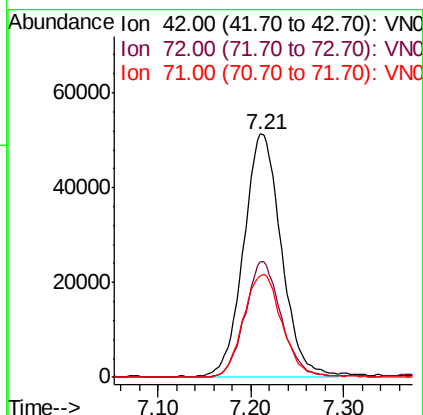
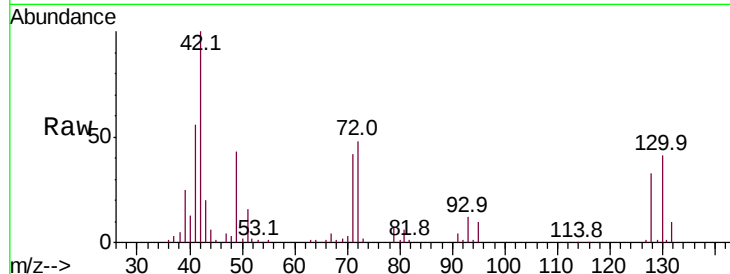




#29
Tetrahydrofuran
Concen: 106.498 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

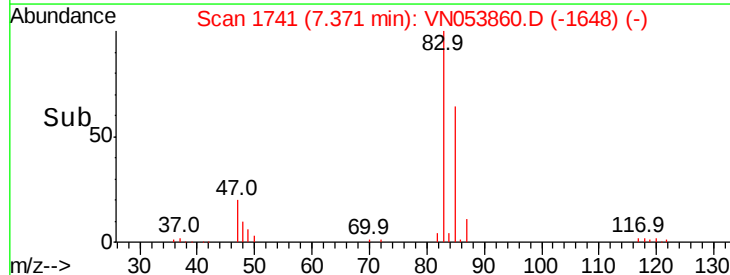
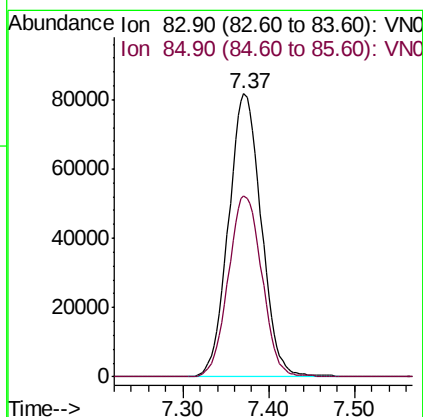
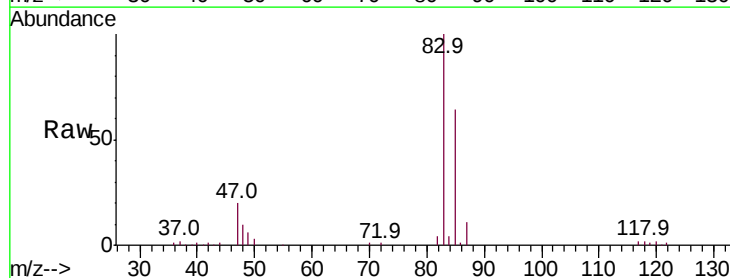
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

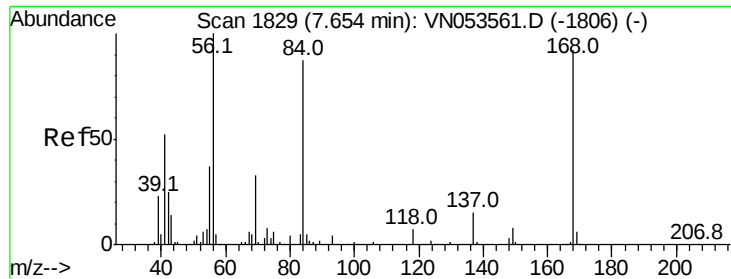
Tot Ion: 42 Resp: 145773
Ion Ratio Lower Upper
42 100
72 45.8 35.2 52.8
71 43.2 33.0 49.4



#30
Chloroform
Concen: 20.639 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 83 Resp: 216546
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2

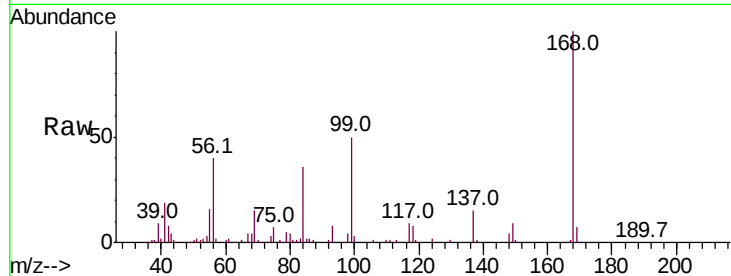




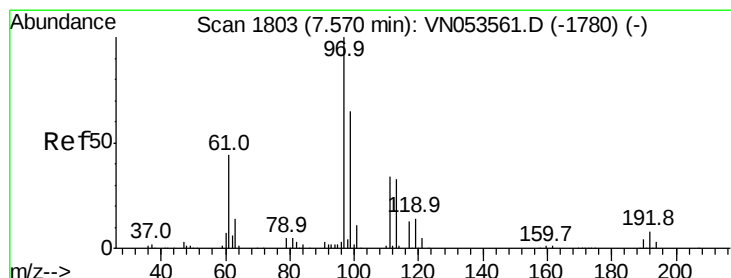
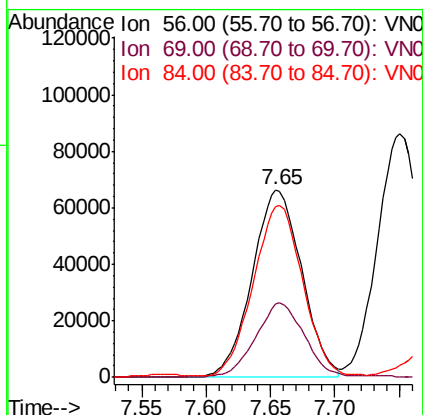
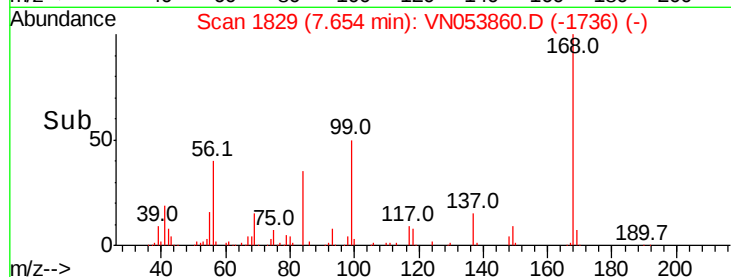
#31
Cvclohexane
Concen: 17.907 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 56 Resp: 177532
Ion Ratio Lower Upper
56 100
69 38.9 26.4 39.6
84 89.9 67.9 101.9

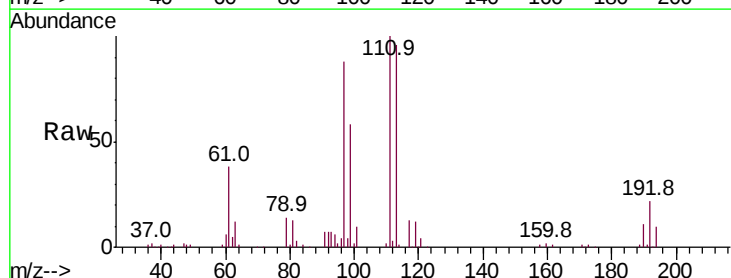


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

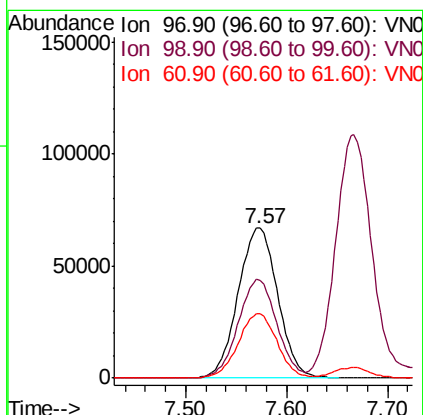
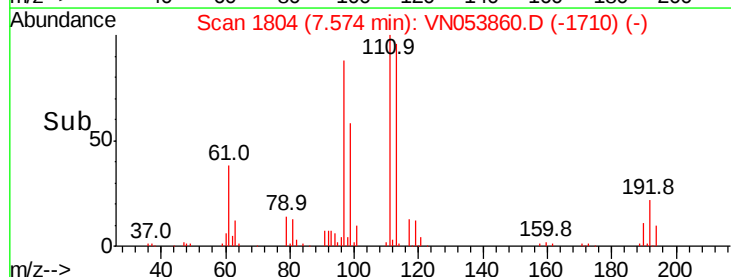


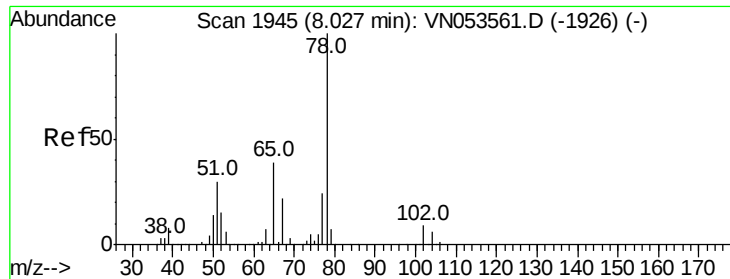
#32
1,1,1-Trichloroethane
Concen: 20.914 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 97 Resp: 182607
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 41.9 34.4 51.6



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

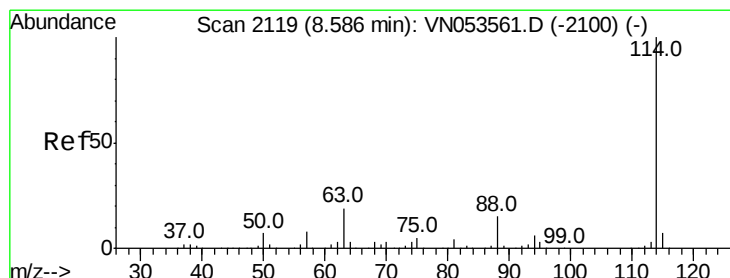
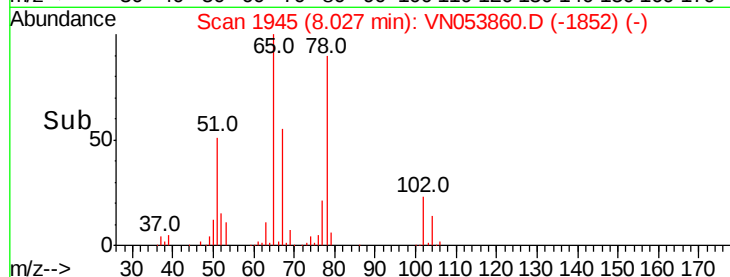
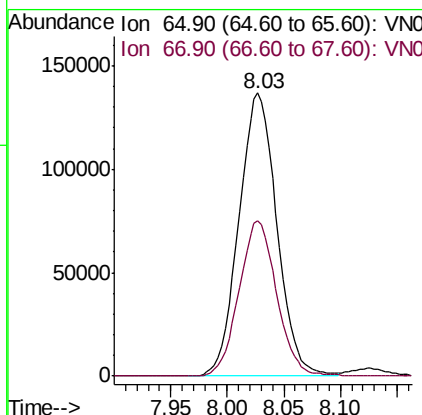
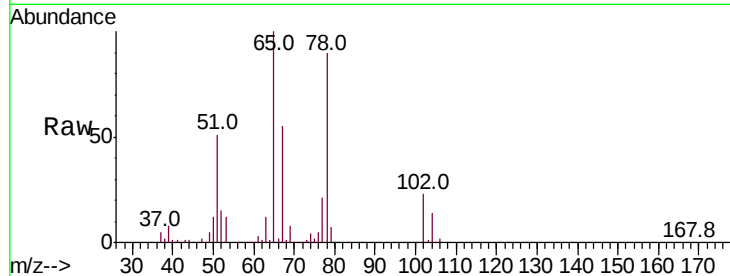




#33
 1,2-Dichloroethane-d4
 Concen: 54.896 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

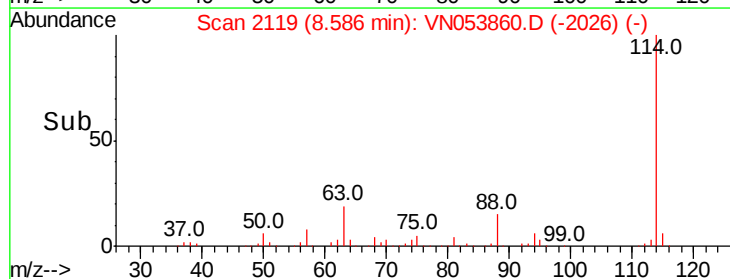
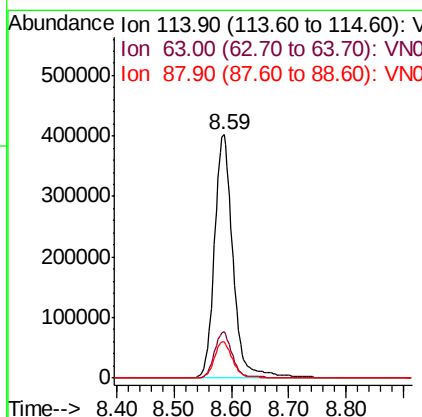
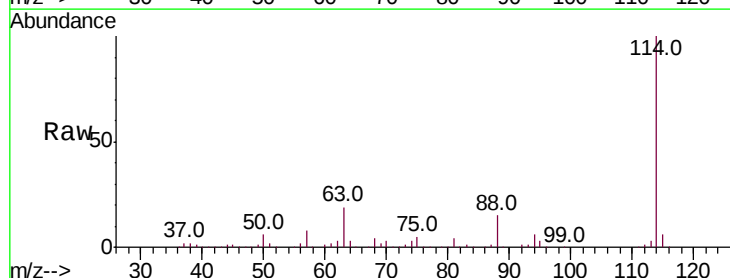
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

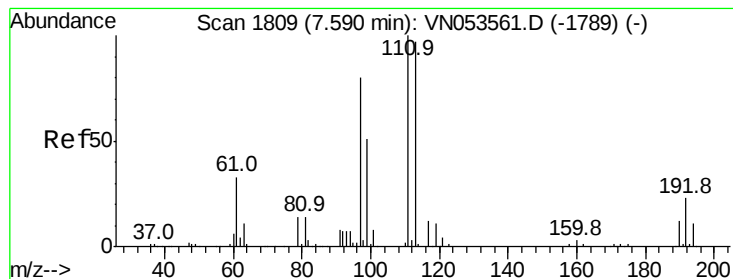
Tot Ion: 65 Resp: 319869
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 114 Resp: 908306
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.864 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

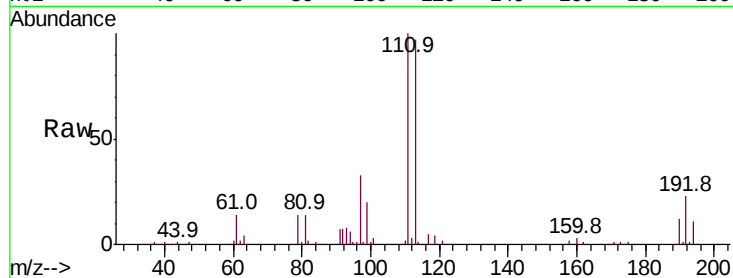
Tot Ion:113 Resp: 303402

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

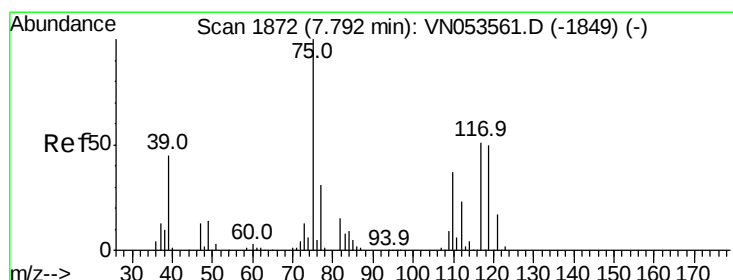
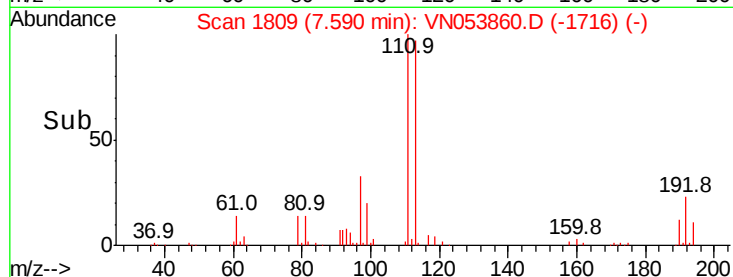
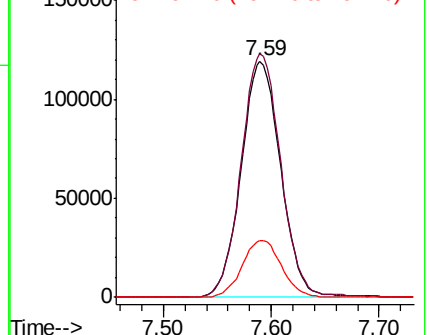
192 24.0 18.2 27.2



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: 19.161 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

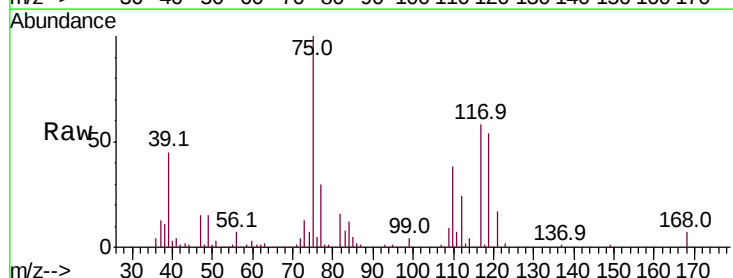
Tgt Ion: 75 Resp: 156887

Ion Ratio Lower Upper

75 100

110 38.3 18.1 54.3

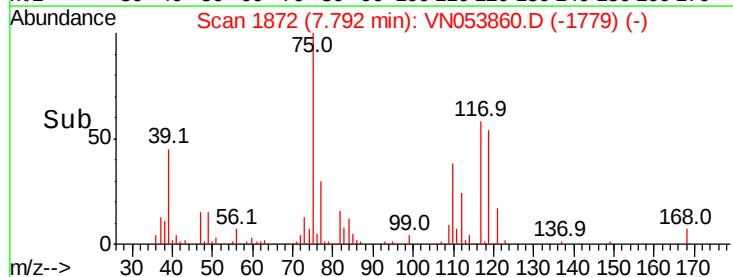
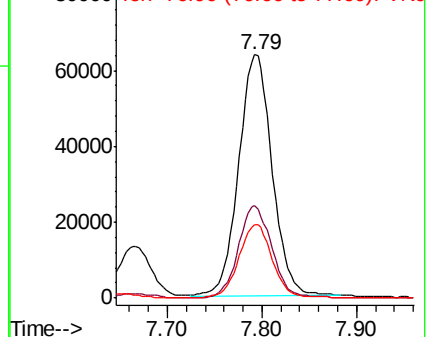
77 30.8 25.1 37.7

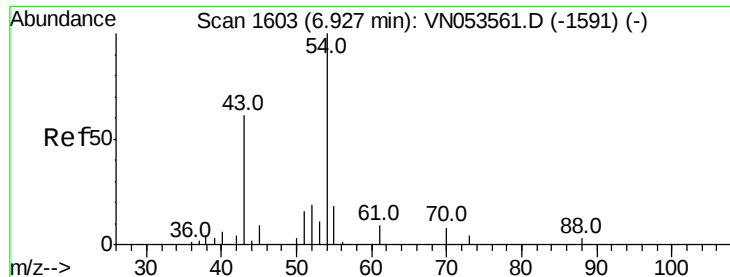


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

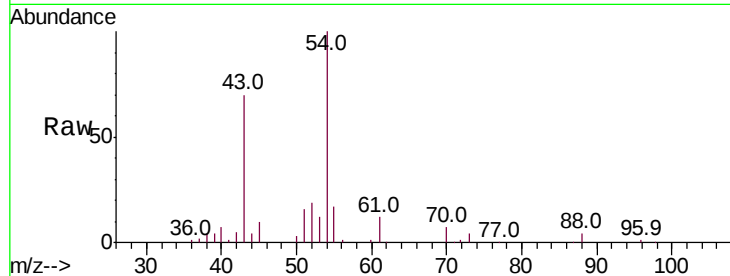




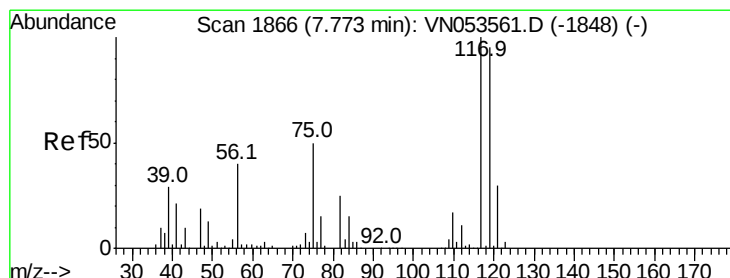
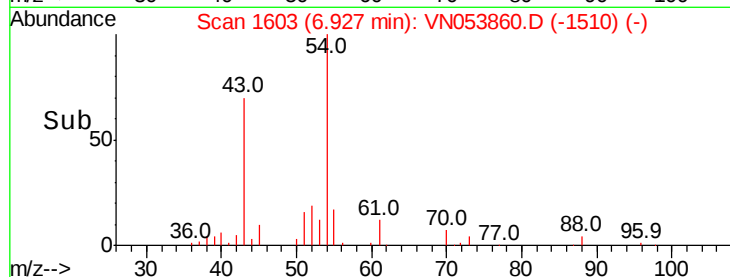
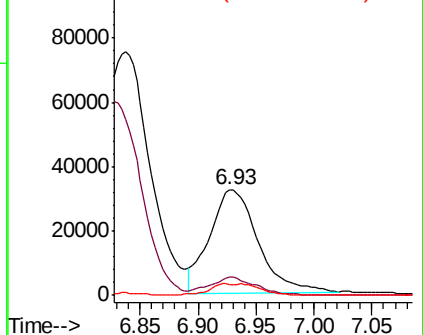
#37
Ethyl Acetate
Concen: 20.467 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion: 43 Resp: 93595
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 5.2 8.6 12.8#

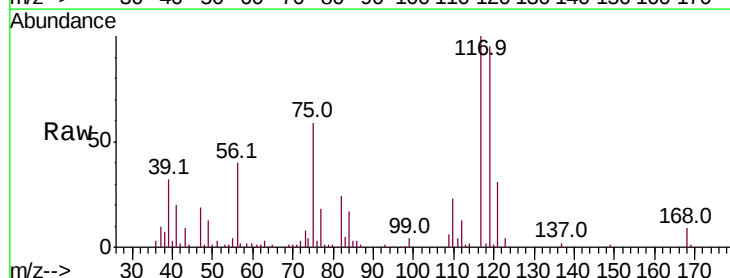


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

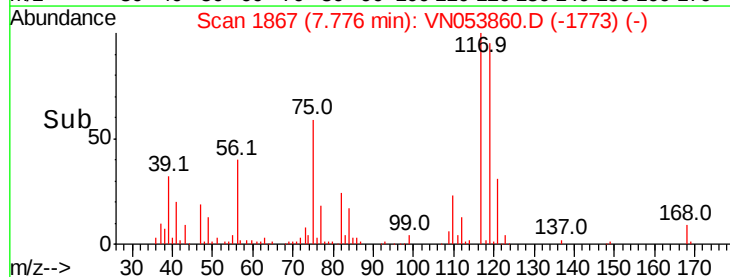
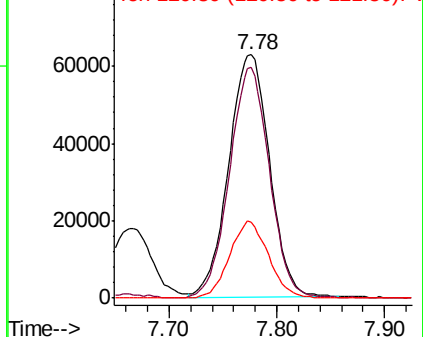


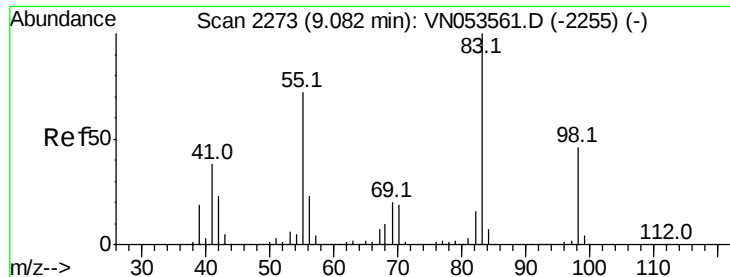
#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 117 Resp: 164884
Ion Ratio Lower Upper
117 100
119 95.0 77.2 115.8
121 31.3 24.6 37.0



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

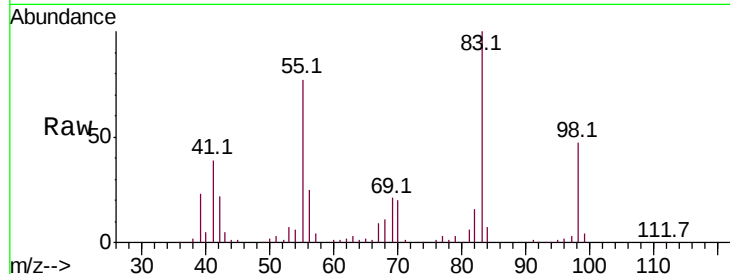




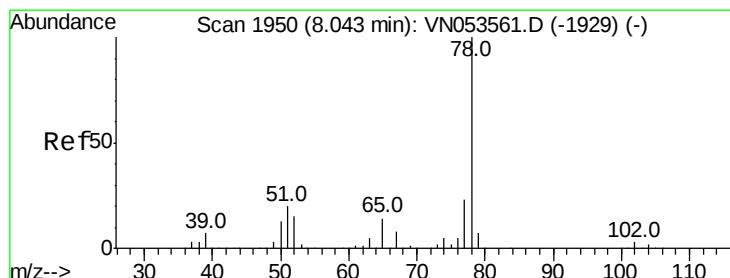
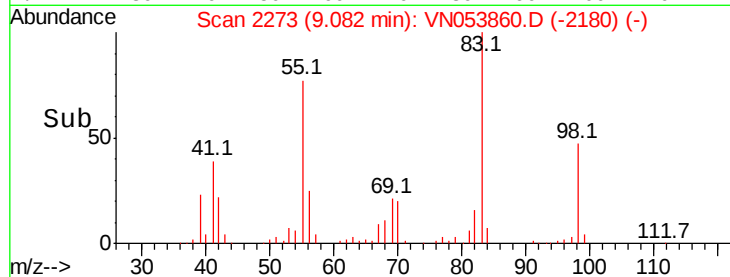
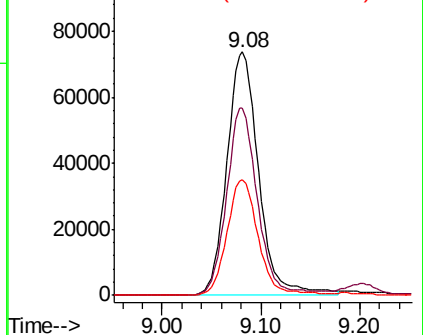
#39
Methvlcvclohexane
Concen: 17.143 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 83 Resp: 166527
Ion Ratio Lower Upper
83 100
55 76.9 60.1 90.1
98 47.3 36.6 55.0

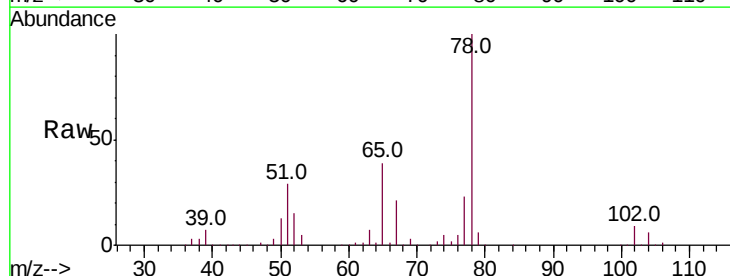


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

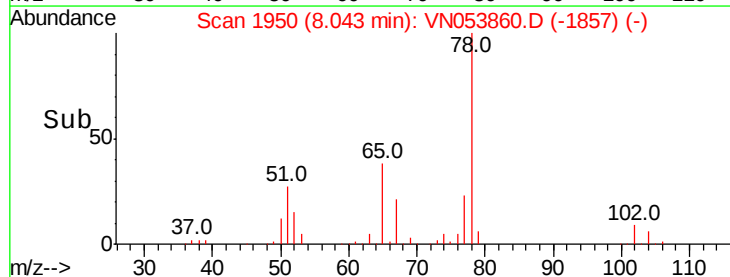
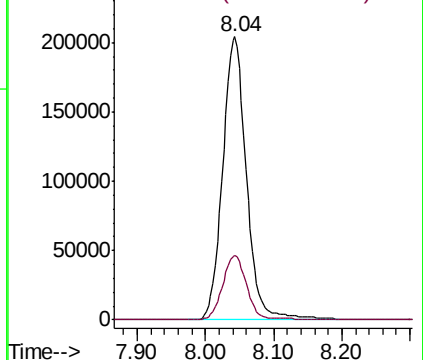


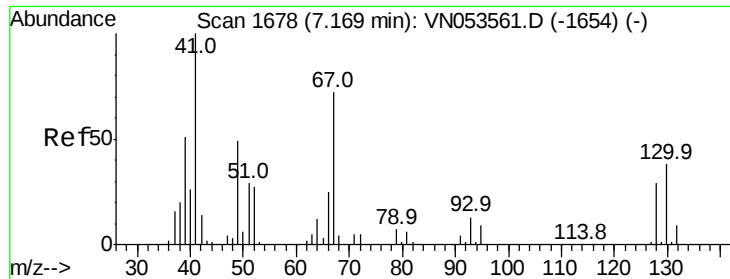
#40
Benzene
Concen: 19.566 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 78 Resp: 494014
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2



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

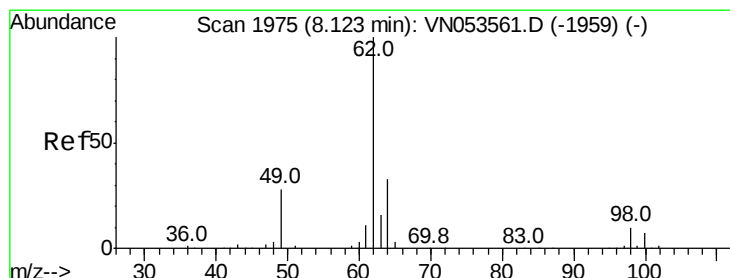
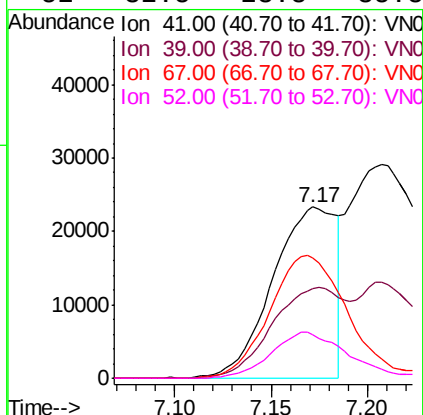
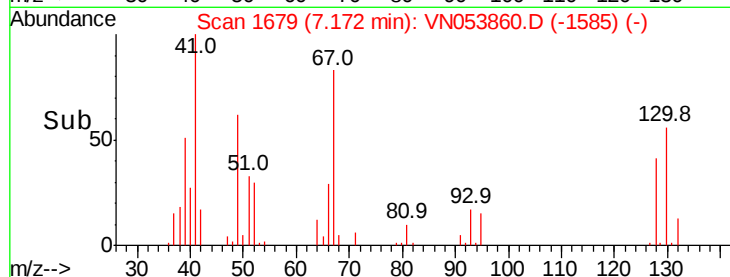
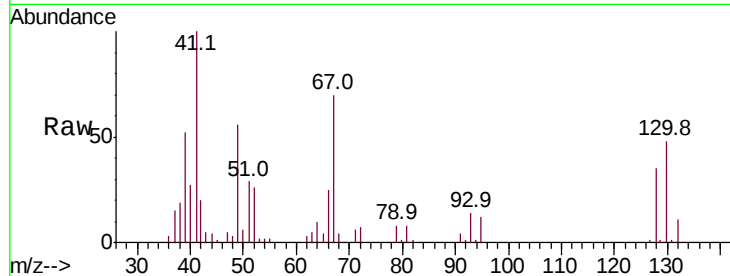




#41
Methacrylonitrile
Concen: 20.899 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

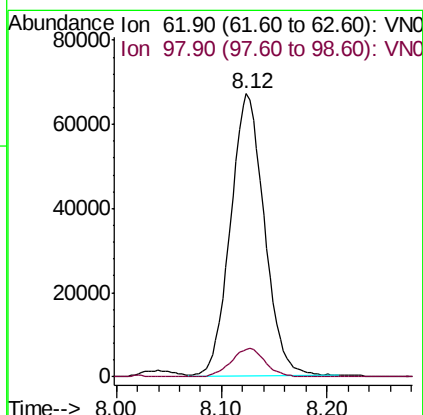
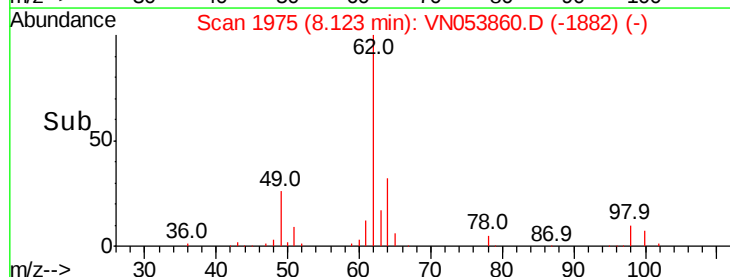
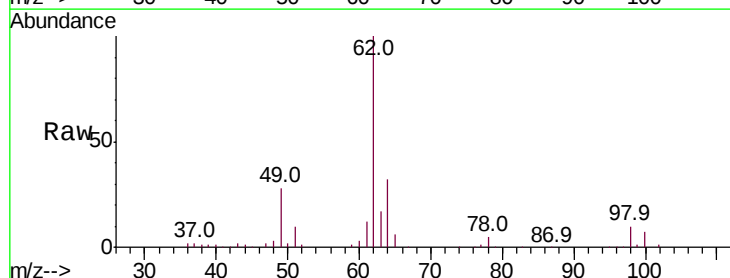
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

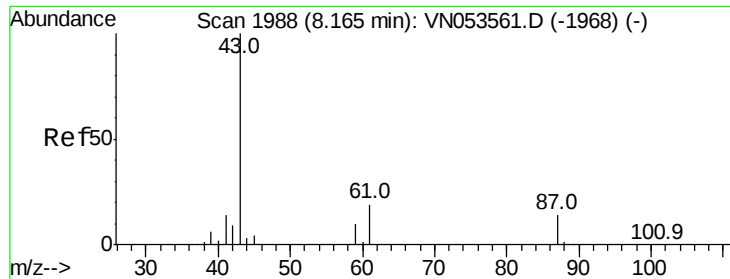
Tot Ion: 41 Resp: 53413
Ion Ratio Lower Upper
41 100
39 61.0 46.8 70.2
67 88.9 63.0 94.6
52 32.5 23.8 35.8



#42
1,2-Dichloroethane
Concen: 19.966 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 62 Resp: 149682
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.753 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

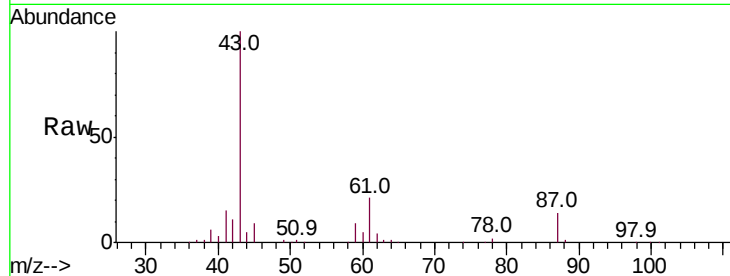
Tot Ion: 43 Resp: 183274

Ion Ratio Lower Upper

43 100

61 18.2 23.9 35.9#

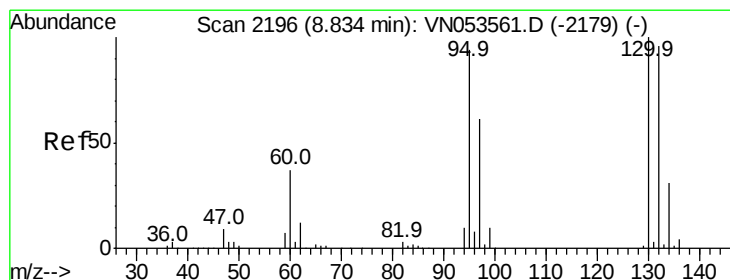
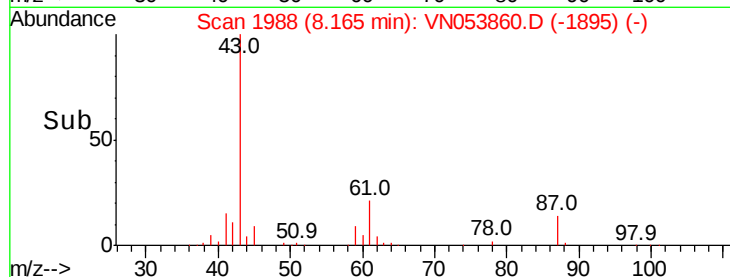
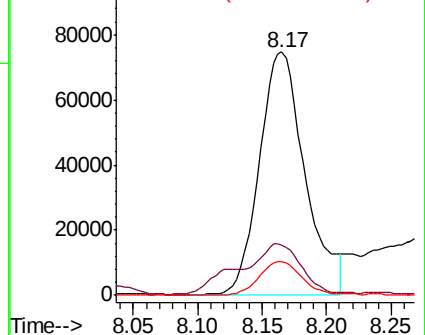
87 13.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.767 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053860.D

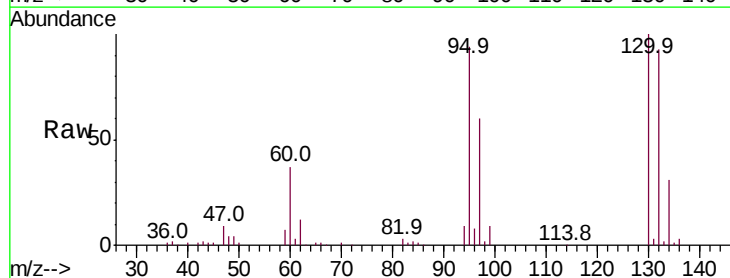
Acq: 19 Feb 2019 11:07

Tgt Ion:130 Resp: 134904

Ion Ratio Lower Upper

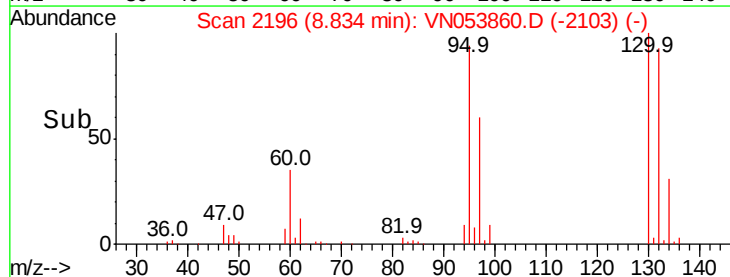
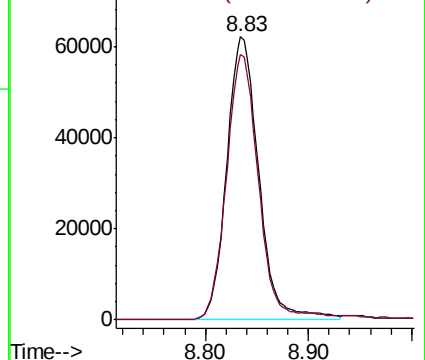
130 100

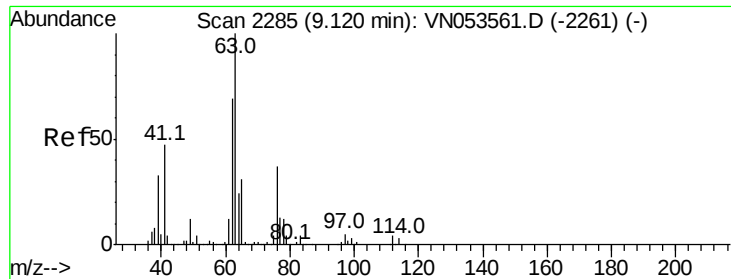
95 94.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.893 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

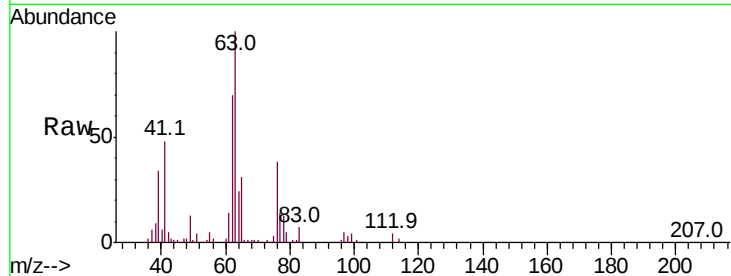
VN0219WBSD01

Tot Ion: 63 Resp: 128473

Ion Ratio Lower Upper

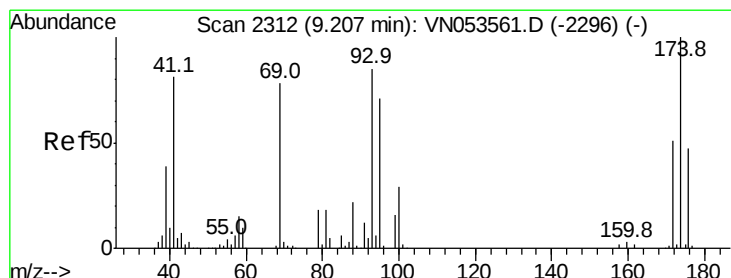
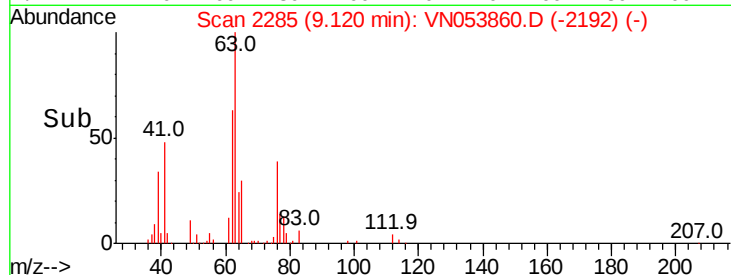
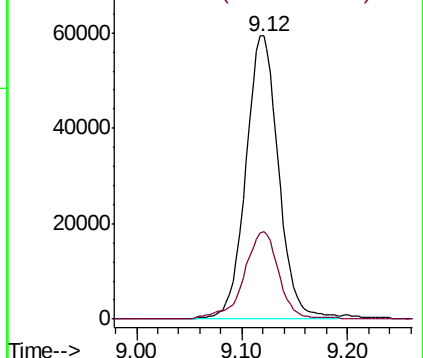
63 100

65 31.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.785 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

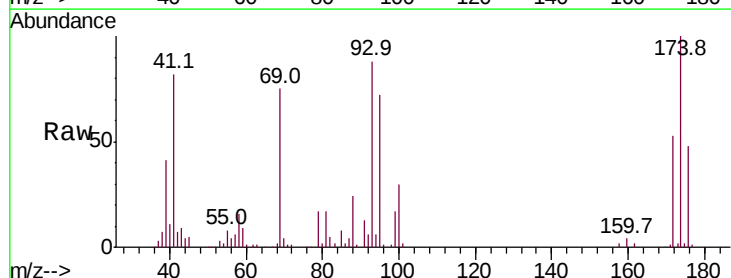
Tgt Ion: 93 Resp: 77022

Ion Ratio Lower Upper

93 100

95 83.0 67.3 100.9

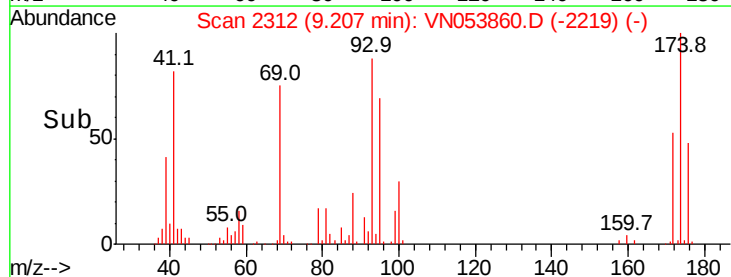
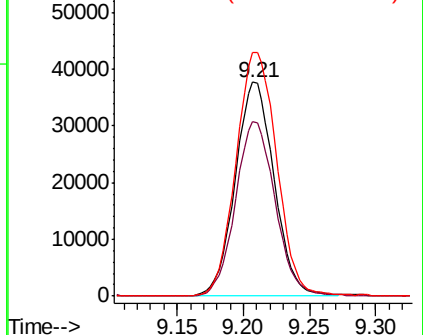
174 119.1 91.0 136.4

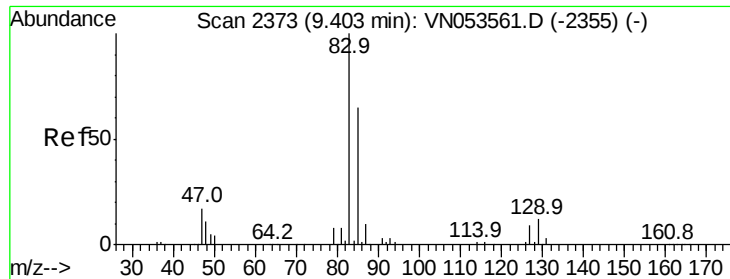


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.914 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

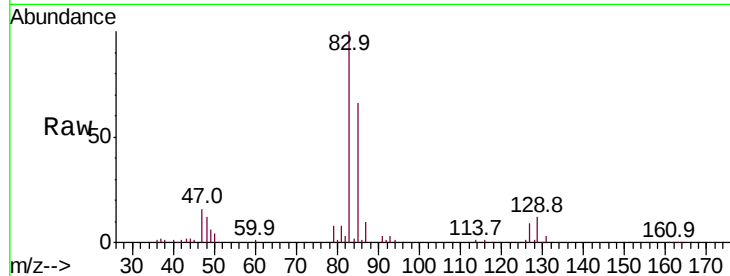
Tot Ion: 83 Resp: 161192

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.6

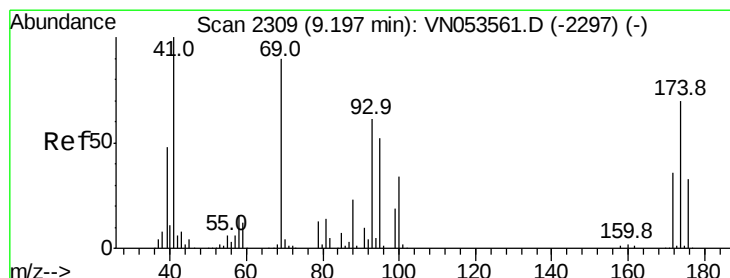
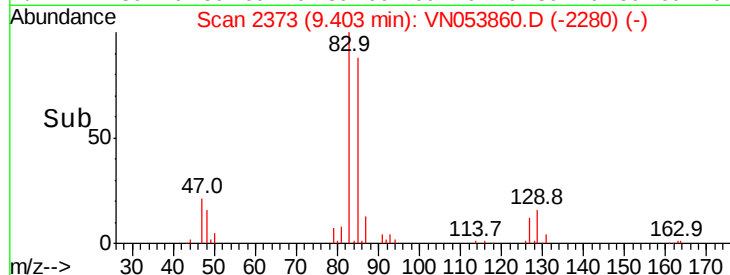
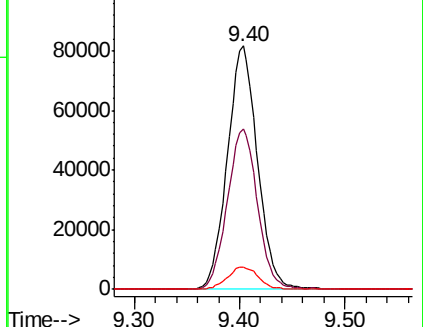
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 18.587 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

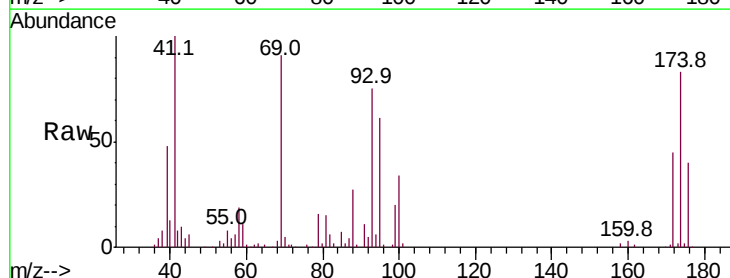
Tgt Ion: 41 Resp: 78355

Ion Ratio Lower Upper

41 100

69 96.9 73.8 110.6

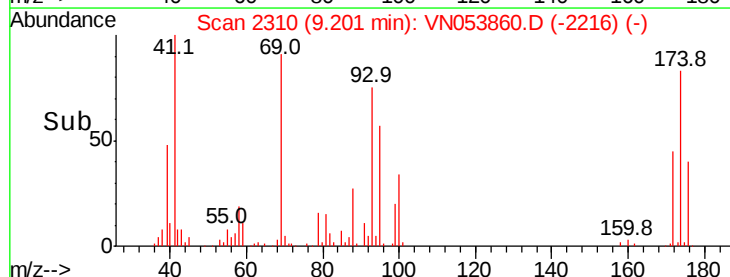
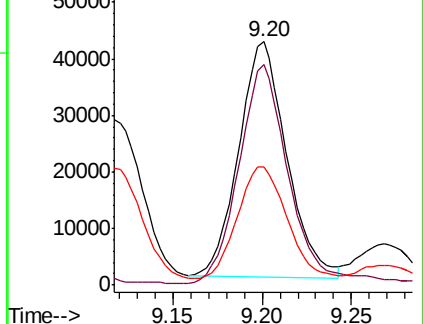
39 55.3 40.0 60.0

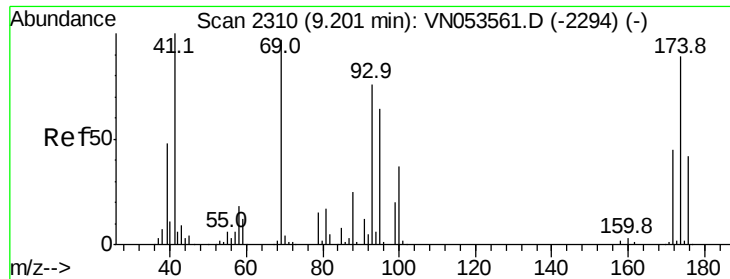


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 455.765 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

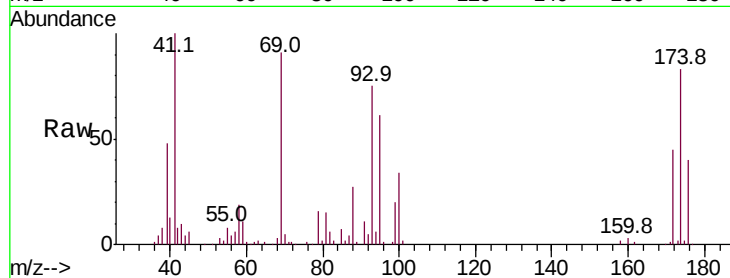
Tot Ion: 88 Resp: 26487

Ion Ratio Lower Upper

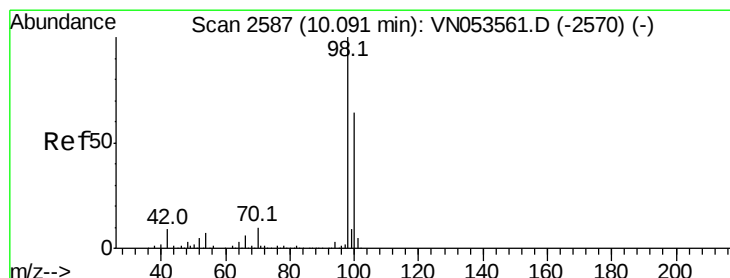
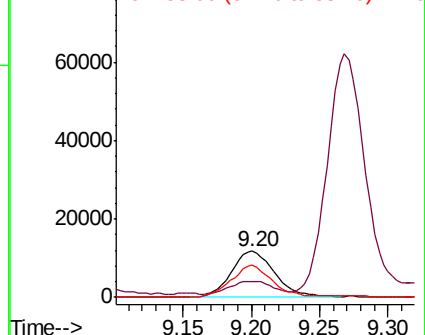
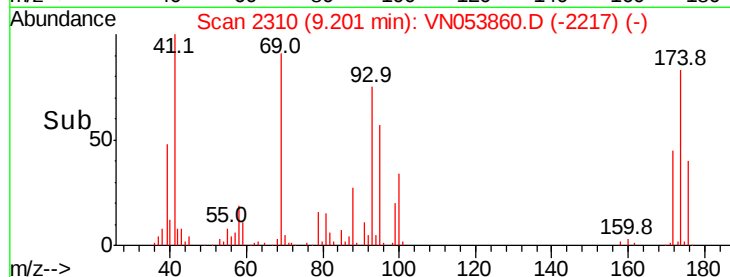
88 100

43 26.3 27.8 41.6#

58 64.1 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053860.D (-2217) (-)



#50

Toluene-d8

Concen: 49.800 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053860.D

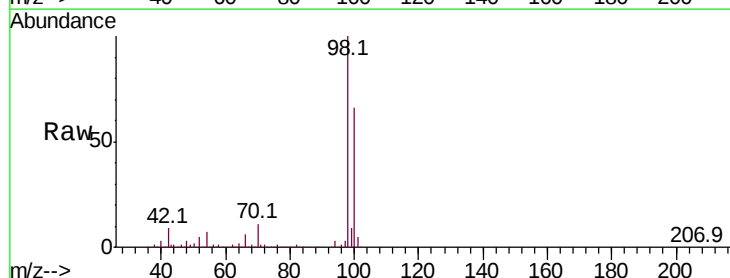
Acq: 19 Feb 2019 11:07

Tgt Ion: 98 Resp: 1073202

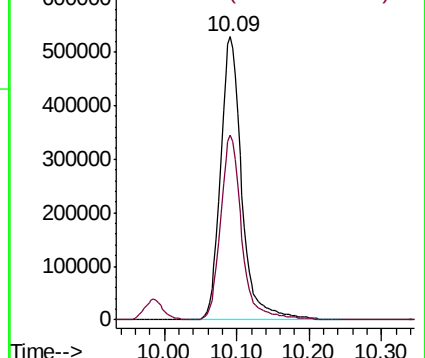
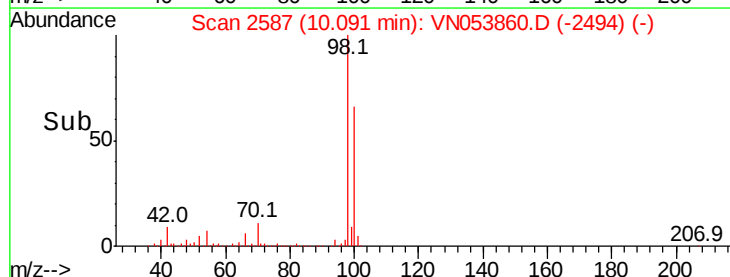
Ion Ratio Lower Upper

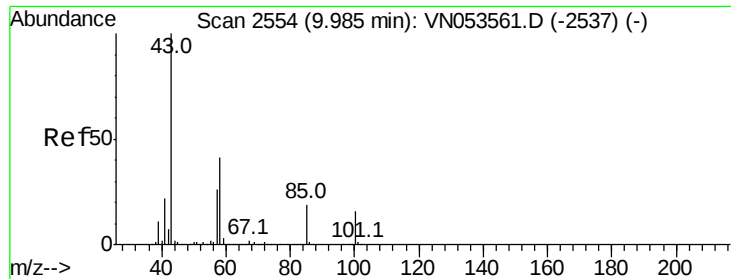
98 100

100 65.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053860.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.604 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

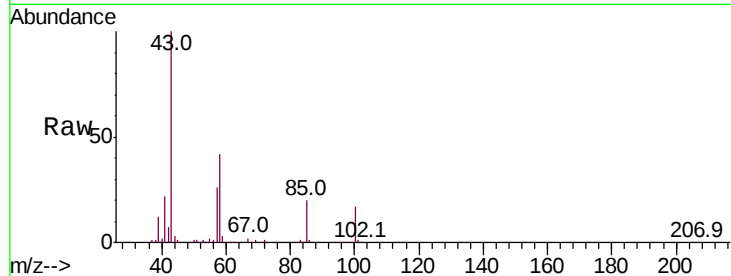
VN0219WBSD01

Tot Ion: 43 Resp: 449614

Ion Ratio Lower Upper

43 100

58 41.8 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

0

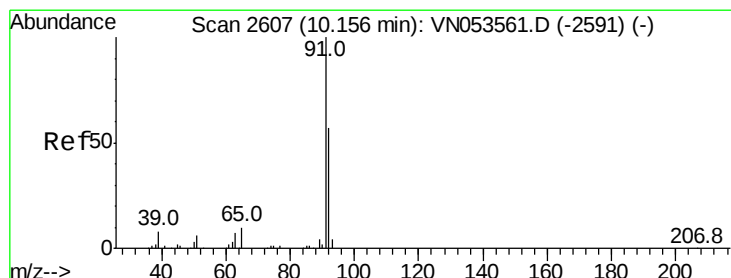
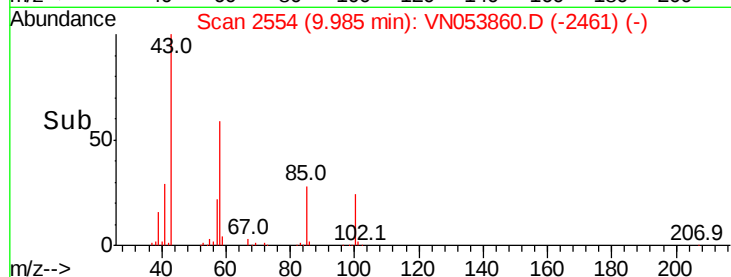
9.90

9.99

10.00

10.10

Time-->



#52

Toluene

Concen: 19.424 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053860.D

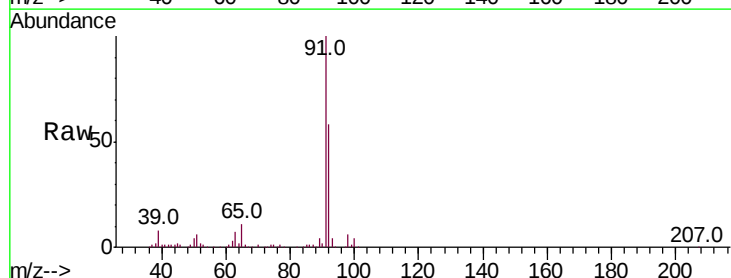
Acq: 19 Feb 2019 11:07

Tgt Ion: 92 Resp: 291076

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

100000

50000

0

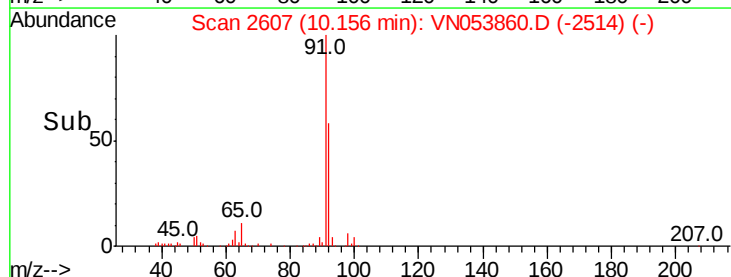
10.10

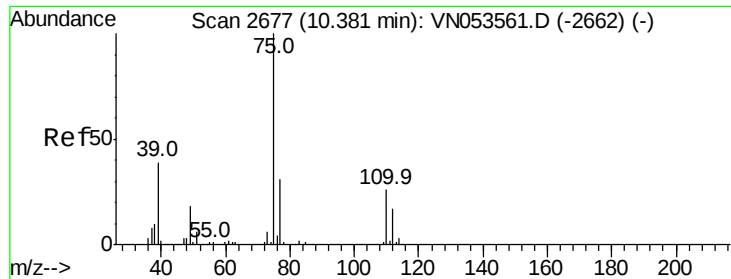
10.16

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.295 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

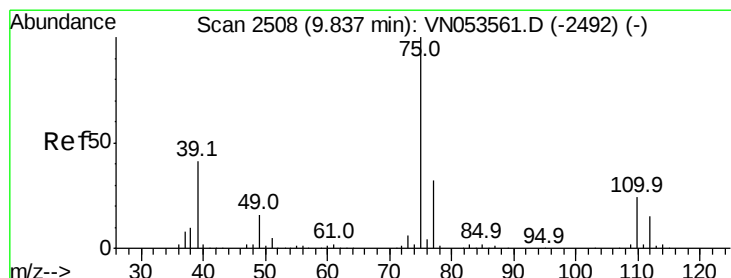
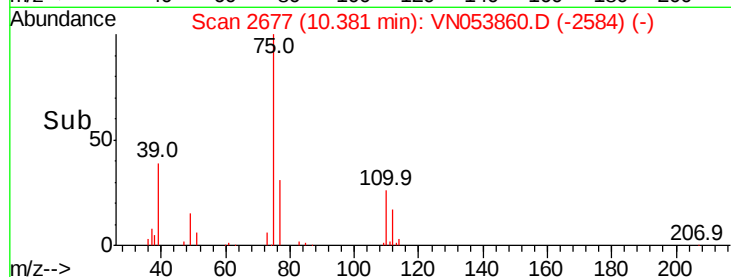
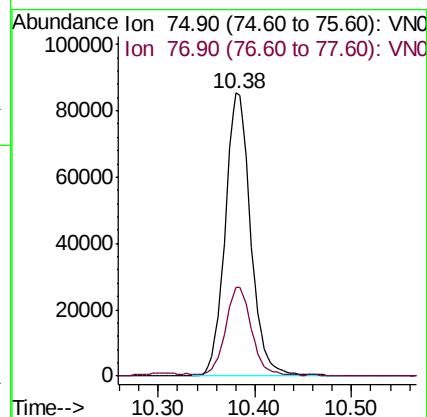
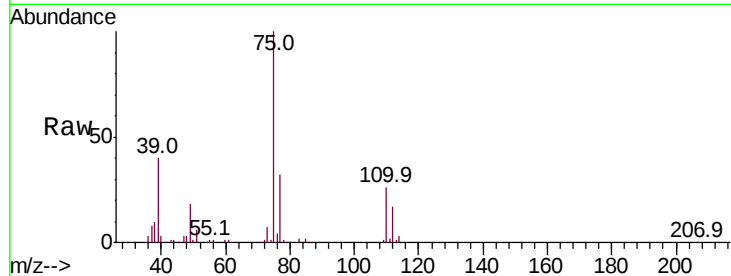
VN0219WBSD01

Tot Ion: 75 Resp: 156388

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

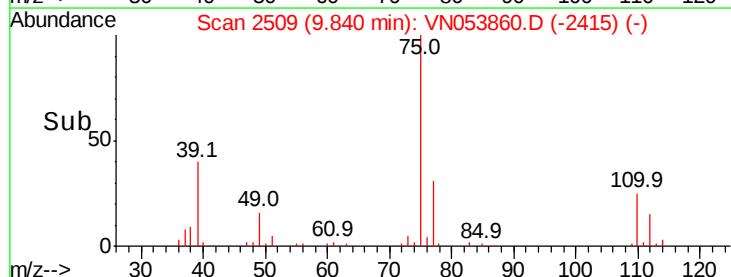
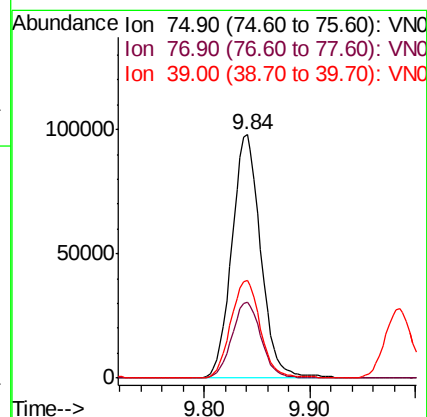
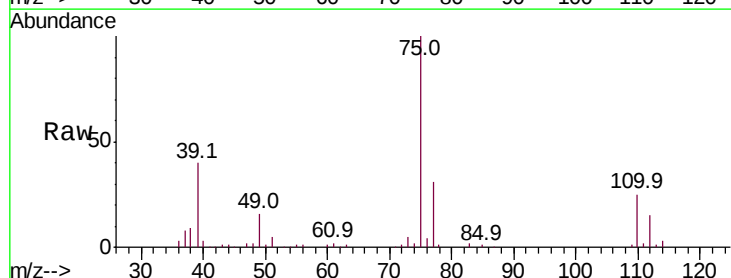
Tgt Ion: 75 Resp: 185566

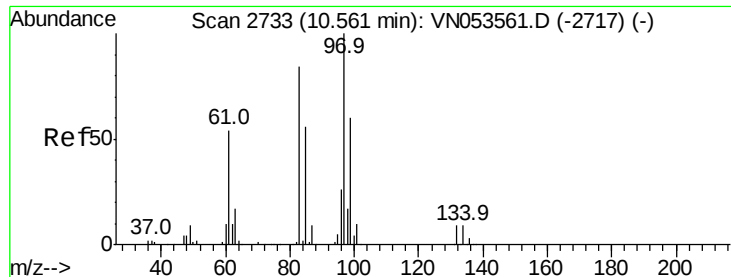
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 40.3 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 20.624 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 97 Resp: 111364

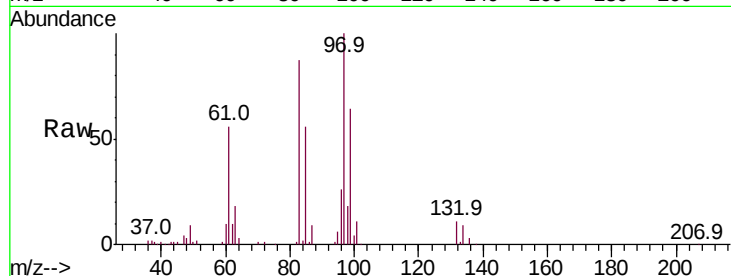
Ion Ratio Lower Upper

97 100

83 86.5 70.1 105.1

85 56.4 45.4 68.0

99 64.1 49.8 74.8

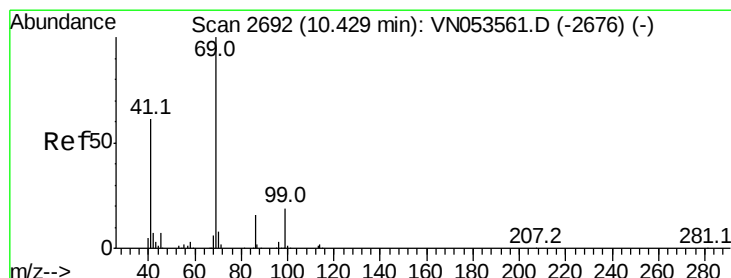
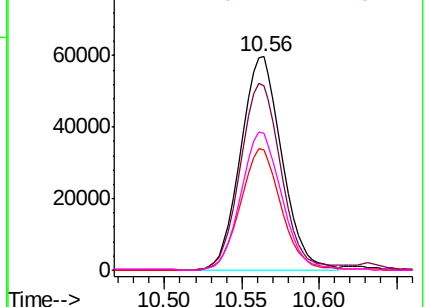
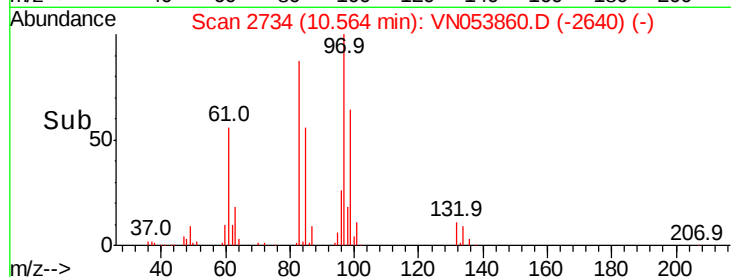


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.840 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

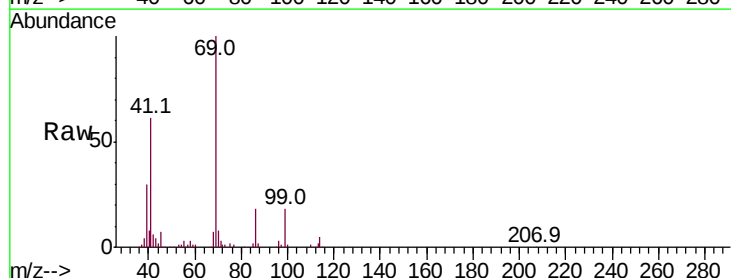
Tgt Ion: 69 Resp: 126736

Ion Ratio Lower Upper

69 100

41 60.7 49.4 74.0

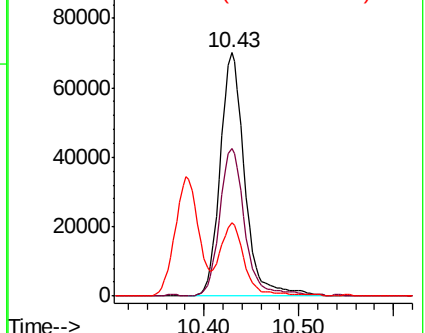
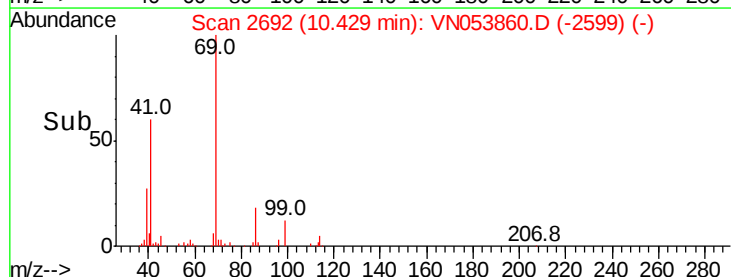
39 28.9 23.3 34.9

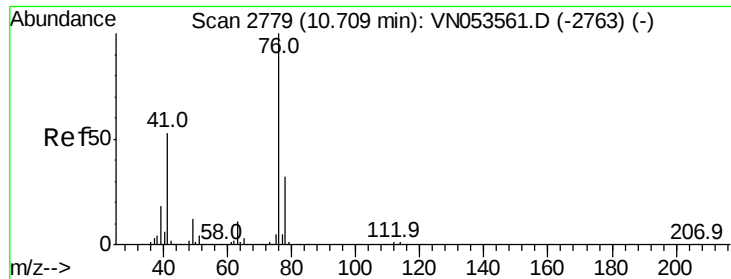


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.130 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

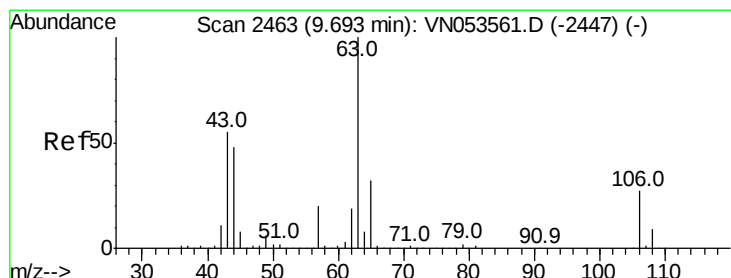
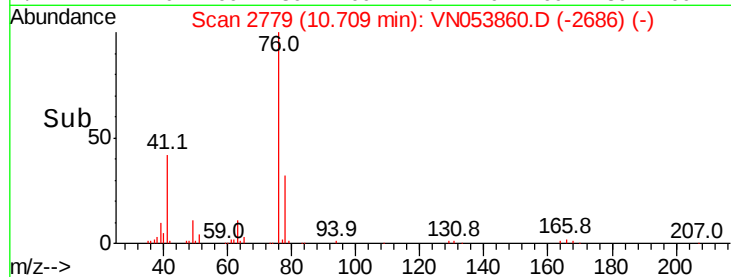
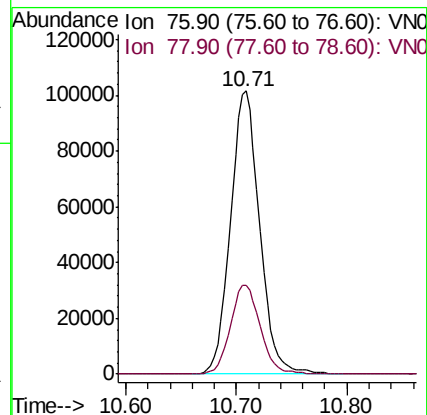
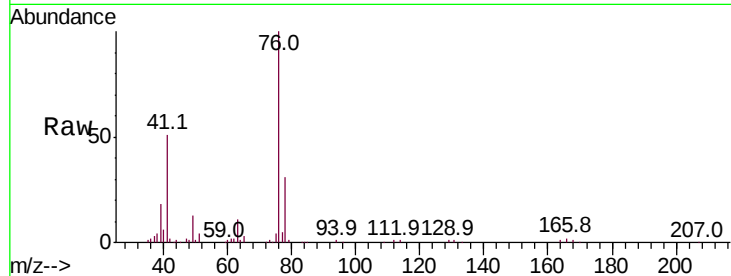
VN0219WBSD01

Tot Ion: 76 Resp: 185772

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 76.488 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053860.D

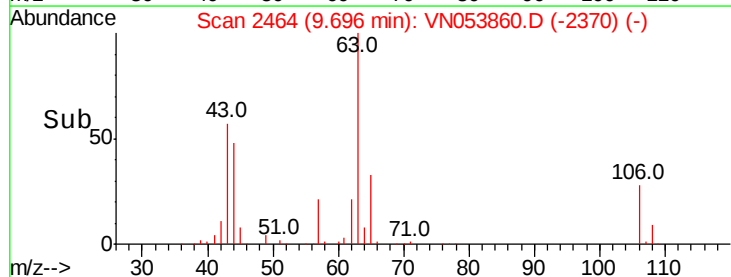
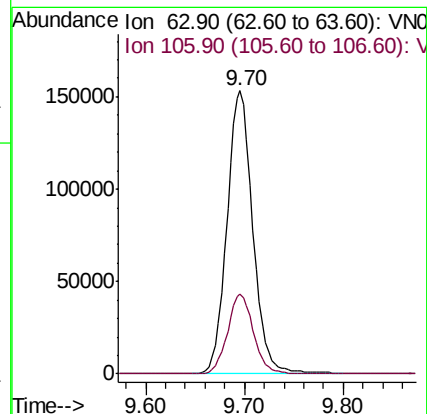
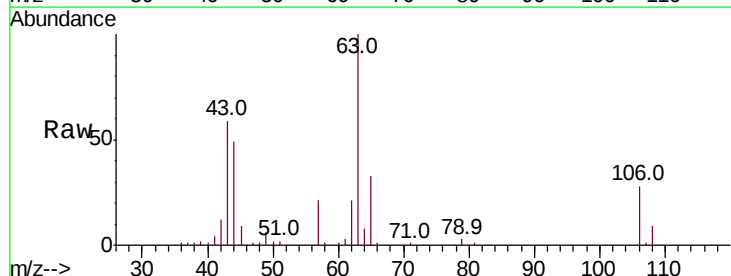
Acq: 19 Feb 2019 11:07

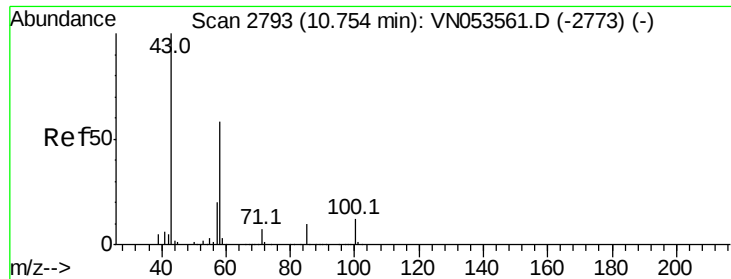
Tgt Ion: 63 Resp: 280269

Ion Ratio Lower Upper

63 100

106 28.1 21.5 32.3

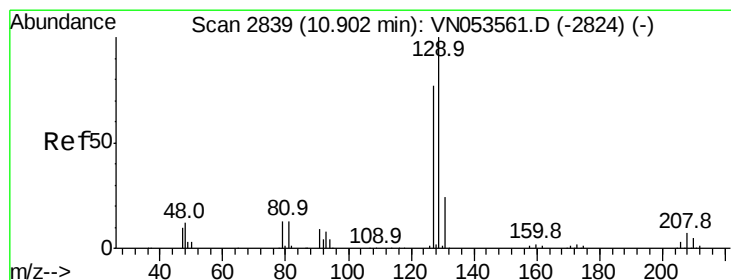
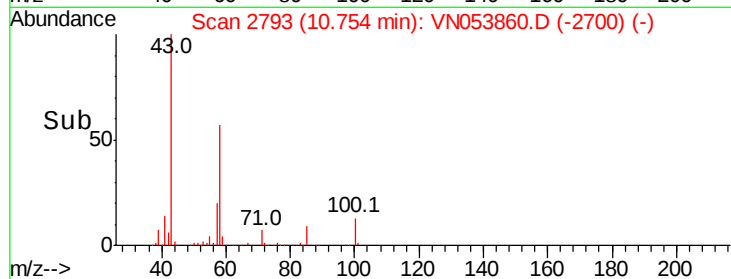
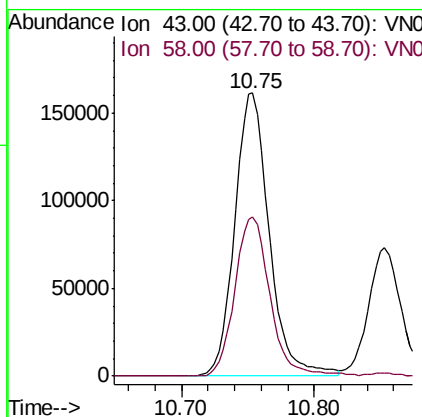
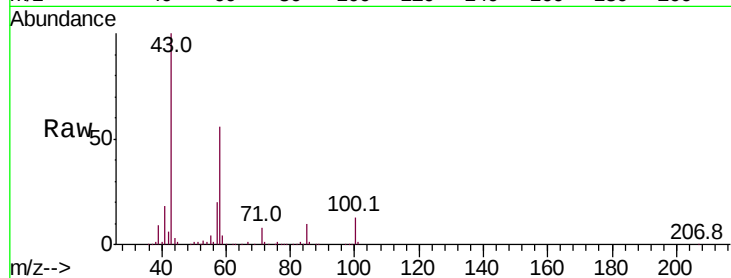




#59
2-Hexanone
Concen: 98.404 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

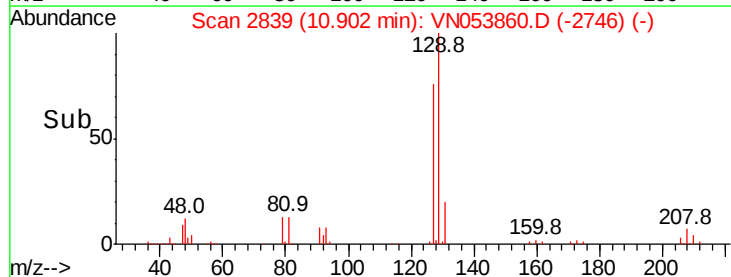
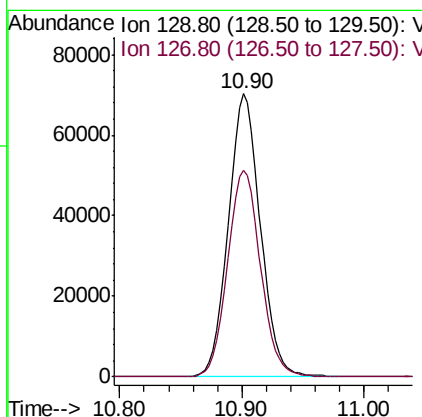
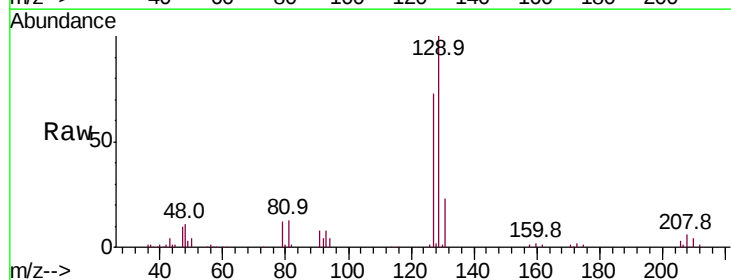
Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

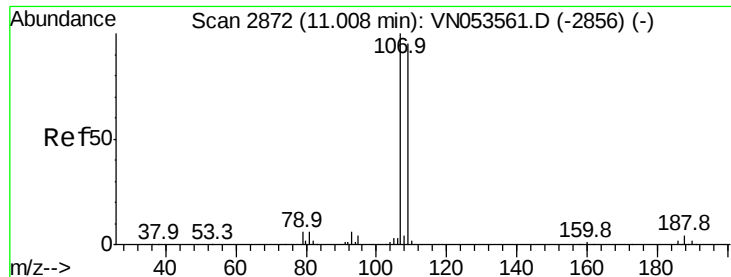
Tot Ion: 43 Resp: 289908
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8



#60
Dibromochloromethane
Concen: 21.108 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 129 Resp: 128531
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.760 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

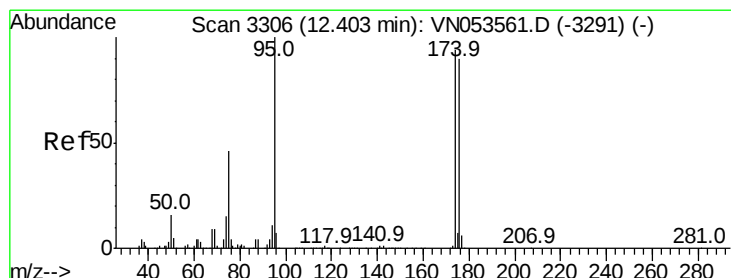
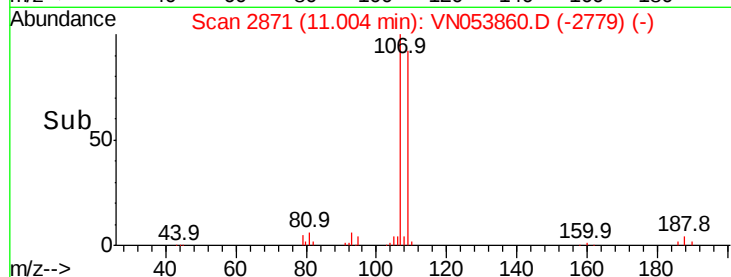
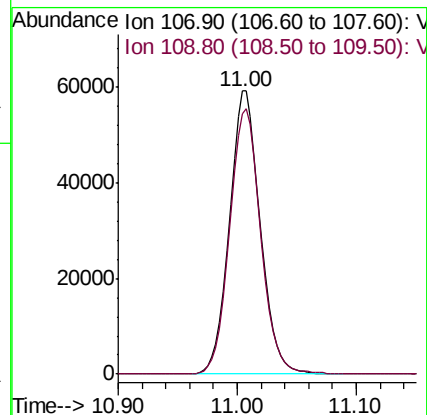
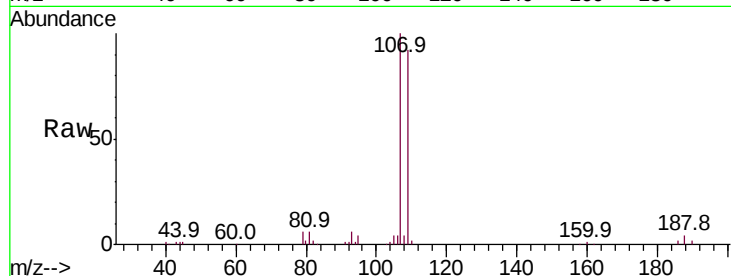
VN0219WBSD01

Tot Ion:107 Resp: 105609

Ion Ratio Lower Upper

107 100

109 95.1 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.498 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

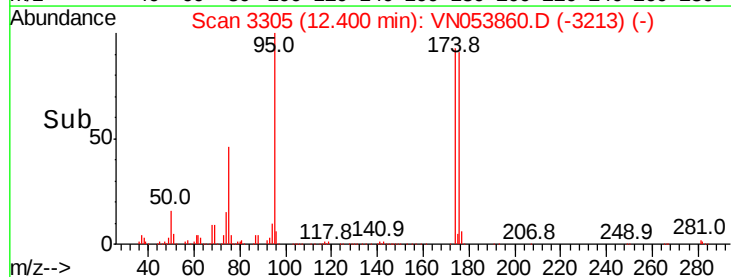
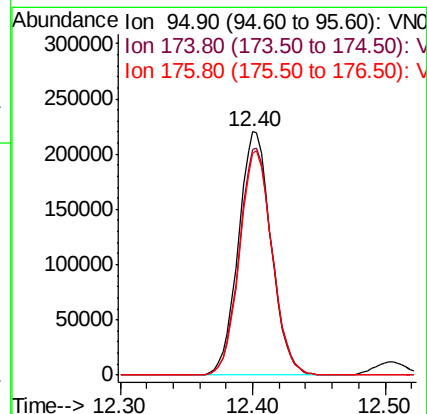
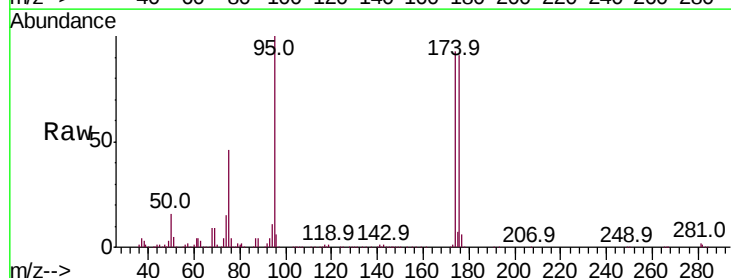
Tgt Ion: 95 Resp: 377317

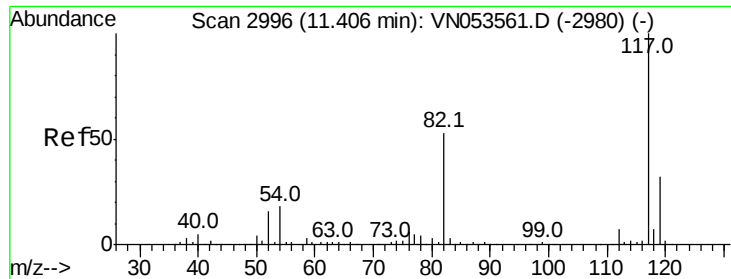
Ion Ratio Lower Upper

95 100

174 93.6 0.0 183.2

176 91.6 0.0 177.4

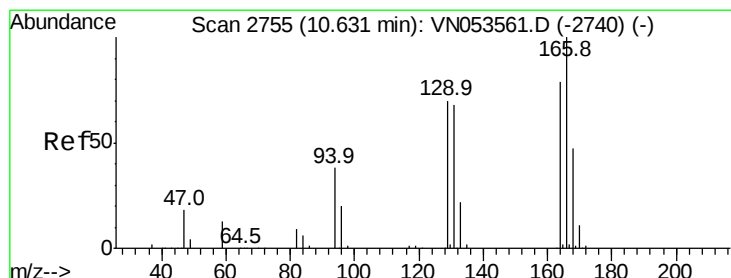
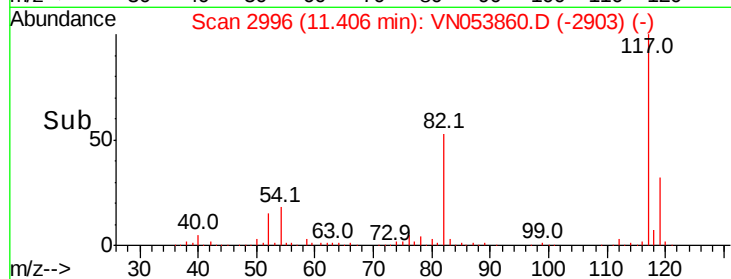
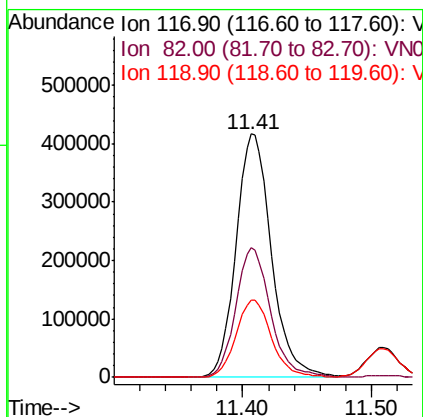
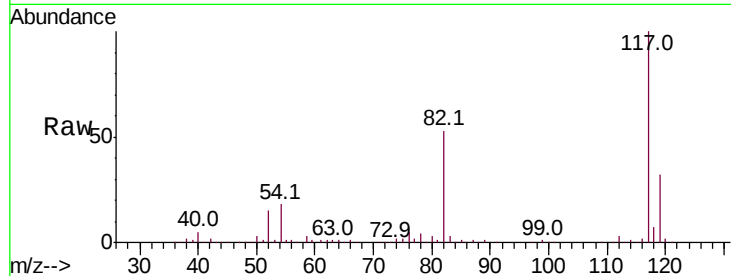




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

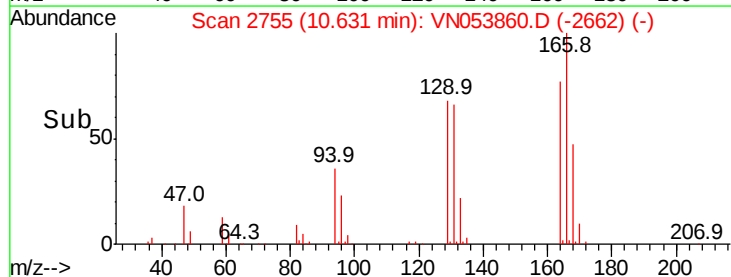
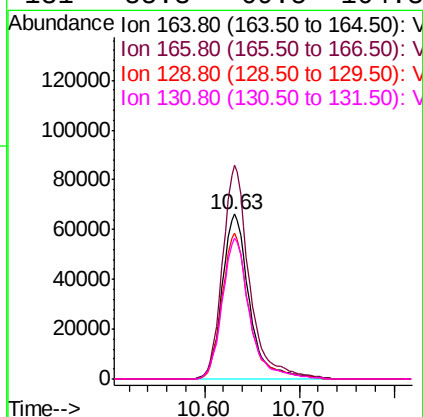
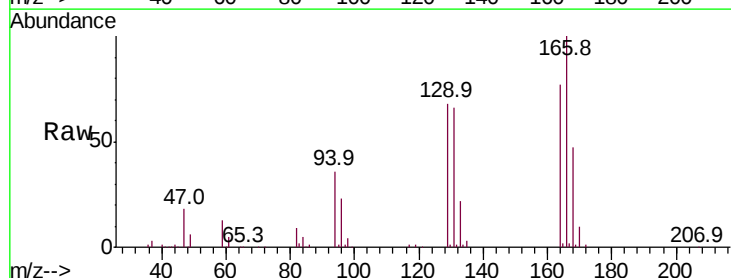
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

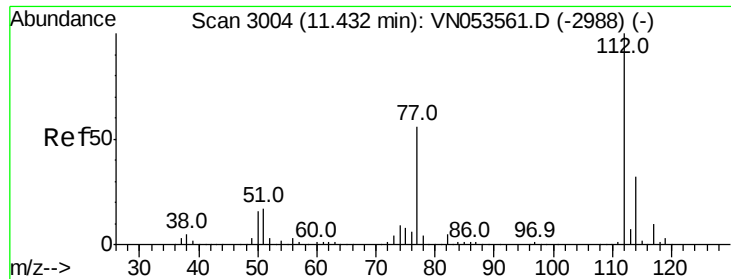
Tot Ion:117 Resp: 794876
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 19.422 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:164 Resp: 132336
Ion Ratio Lower Upper
164 100
166 129.6 102.2 153.4
129 88.4 72.6 109.0
131 85.3 69.5 104.3

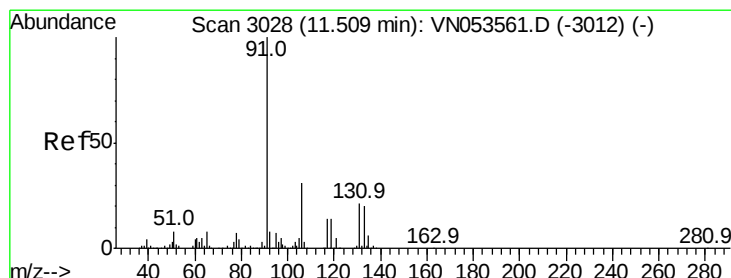
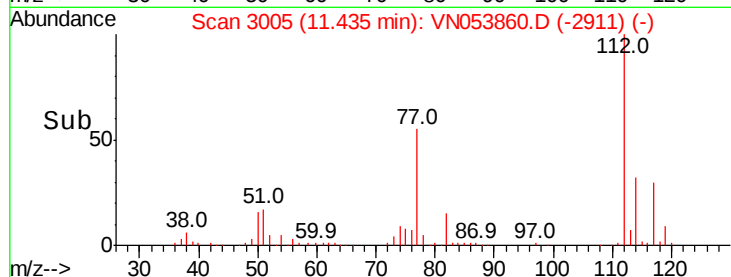
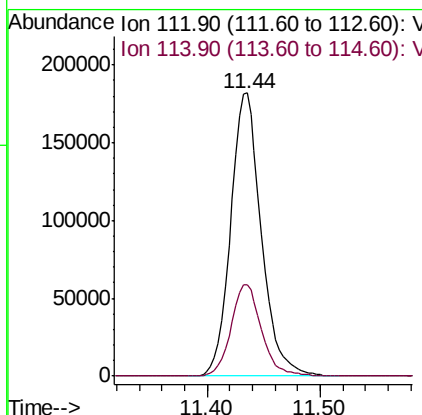
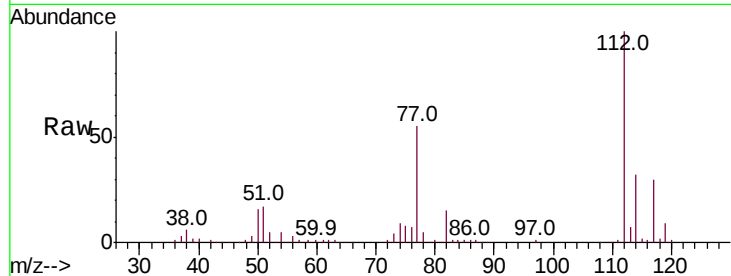




#65
Chlorobenzene
Concen: 20.262 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

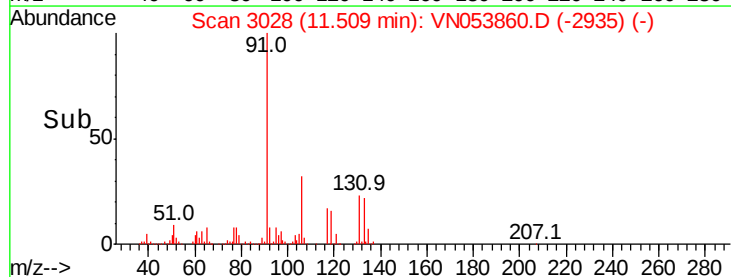
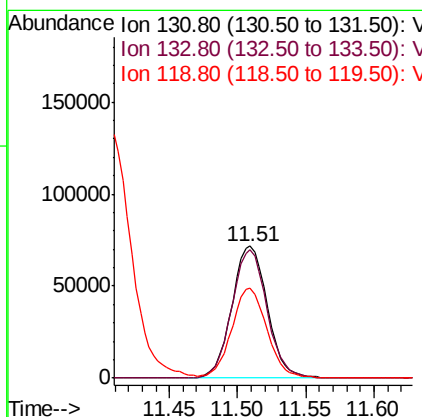
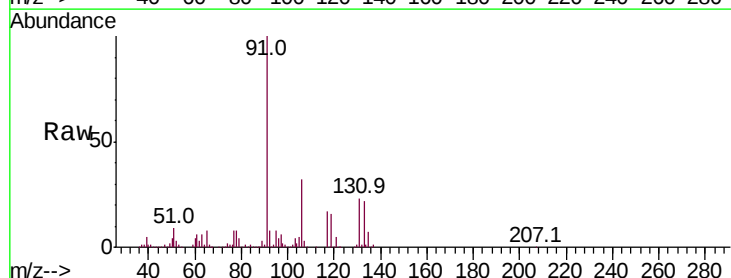
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

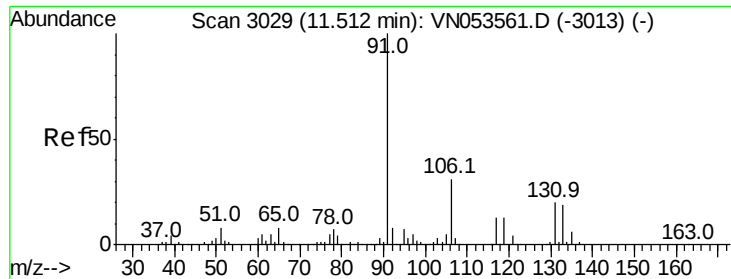
Tot Ion:112 Resp: 342105
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.065 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:131 Resp: 130107
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 67.7 33.5 100.5

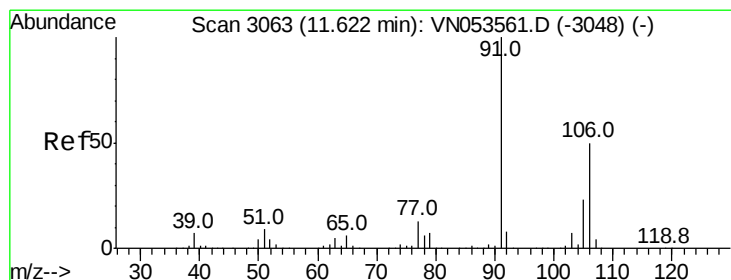
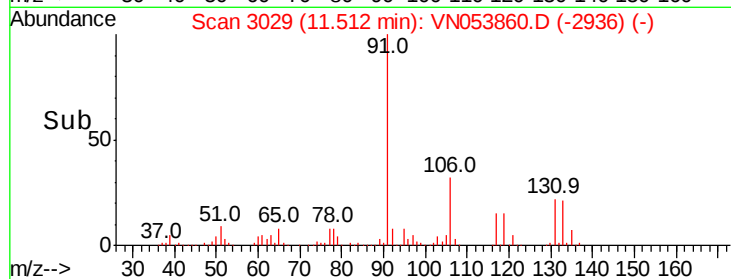
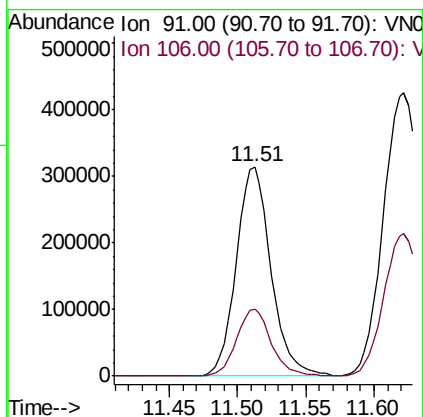
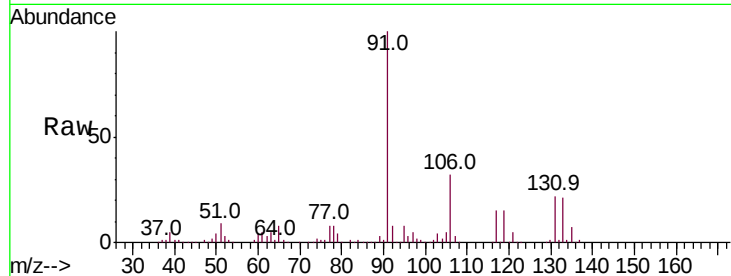




#67
Ethyl Benzene
Concen: 20.054 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

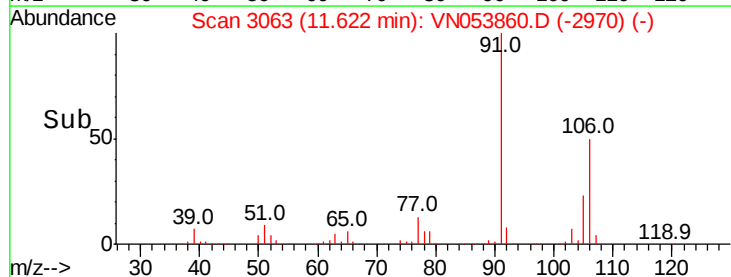
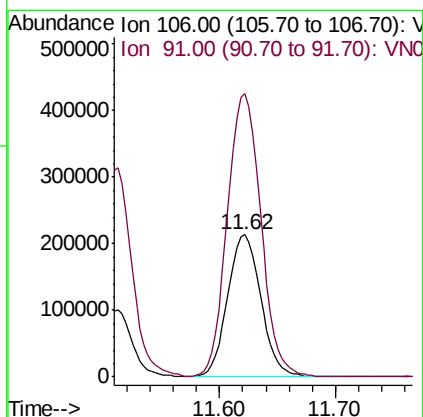
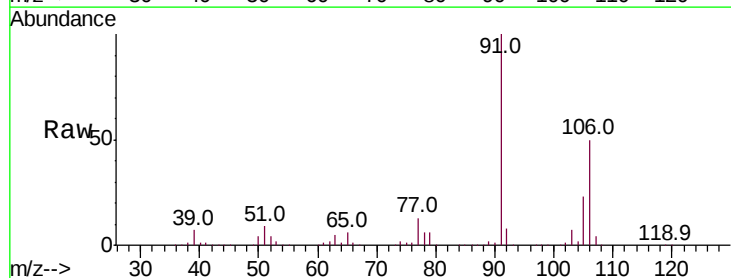
Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

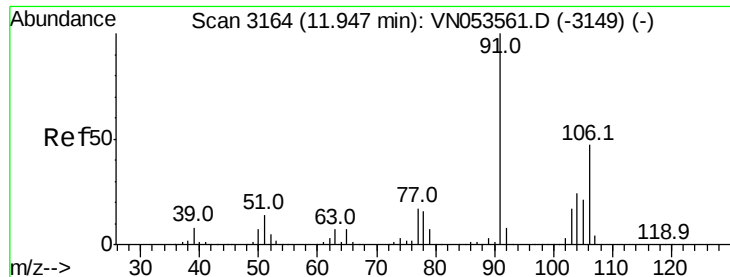
Tot Ion: 91 Resp: 556191
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 40.130 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion: 106 Resp: 424797
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

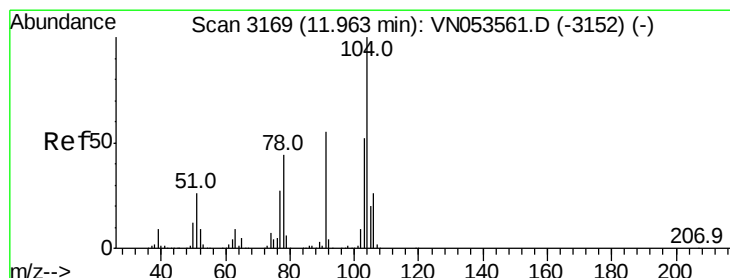
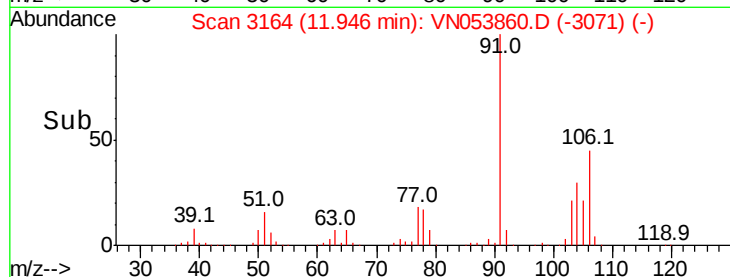
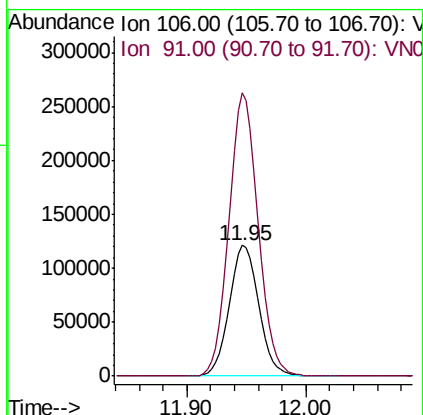
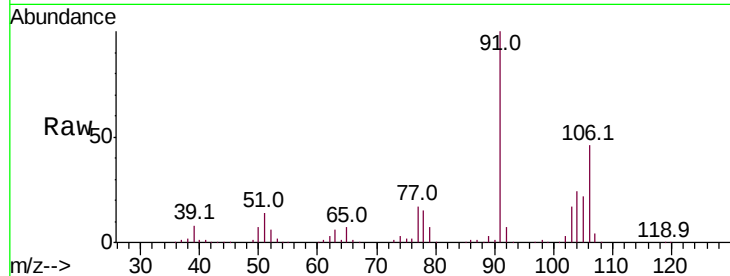




#69
o-Xylene
Concen: 20.349 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

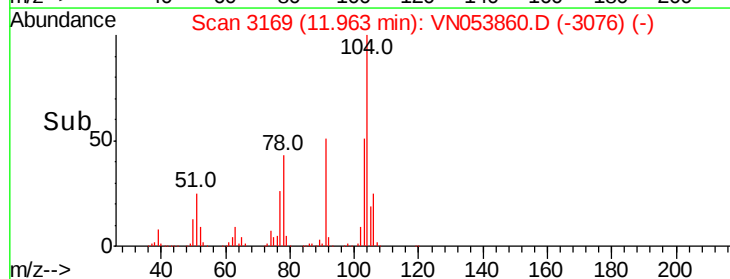
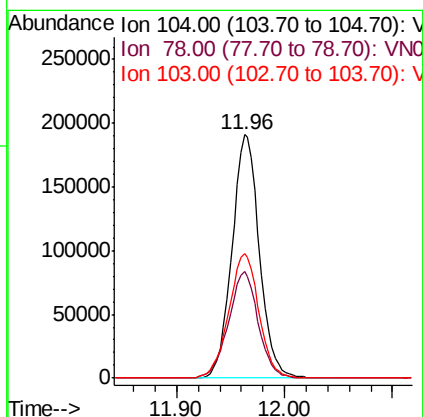
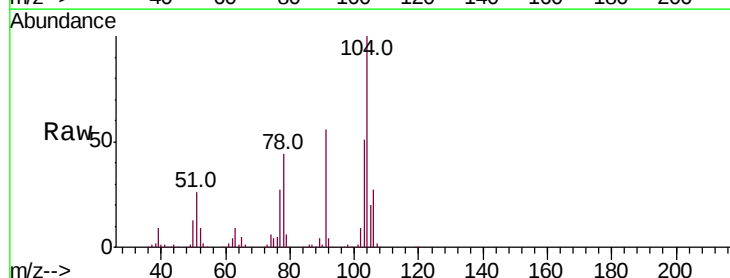
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

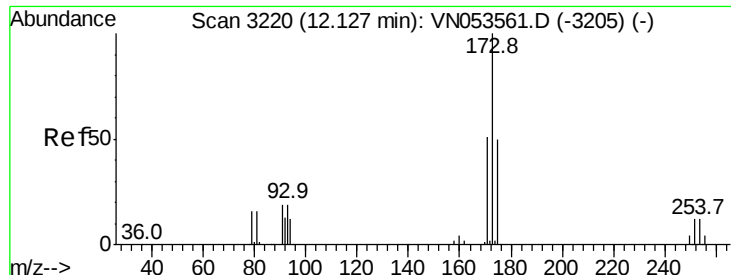
Tot Ion:106 Resp: 208106
Ion Ratio Lower Upper
106 100
91 214.4 106.9 320.8



#70
Styrene
Concen: 20.398 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:104 Resp: 338103
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 56.0 44.4 66.6

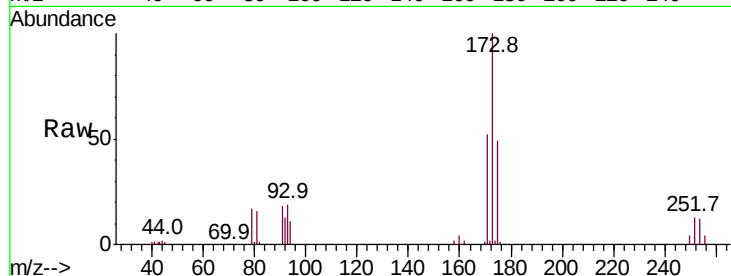




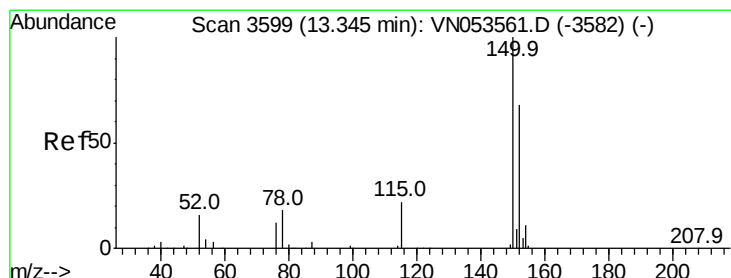
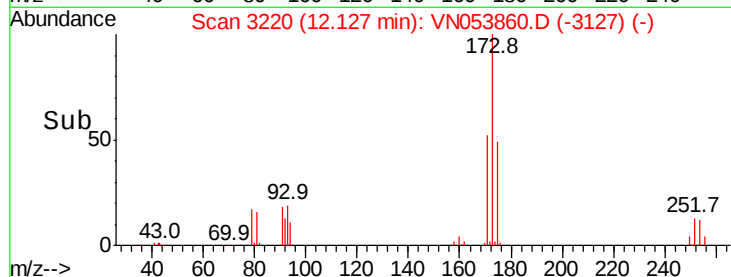
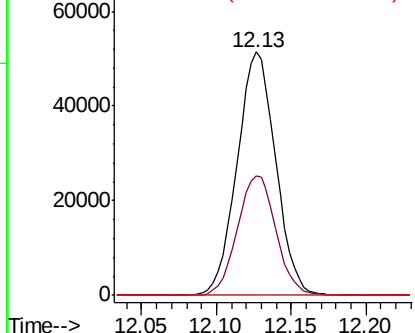
#71
Bromoform
Concen: 22.790 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion:173 Resp: 92128
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.2 0.2#

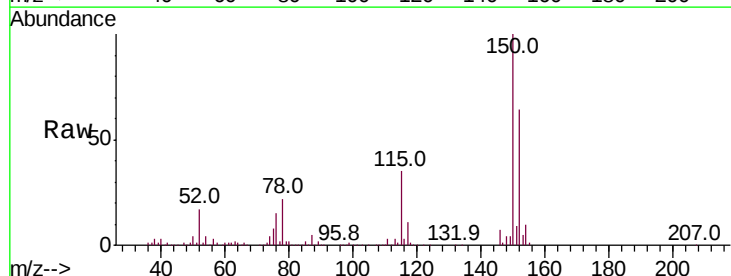


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

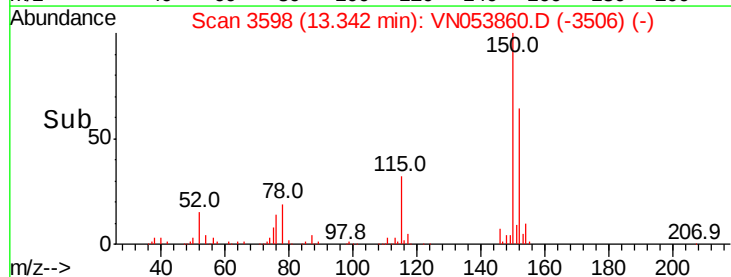
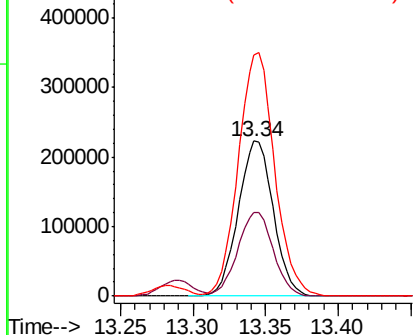


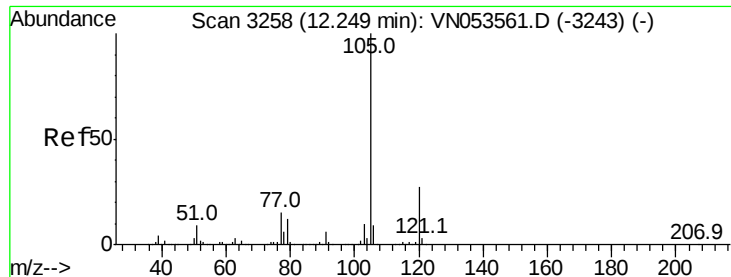
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:152 Resp: 373994
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 163.3 0.0 349.0



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





#73

Isopropylbenzene

Concen: 21.559 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

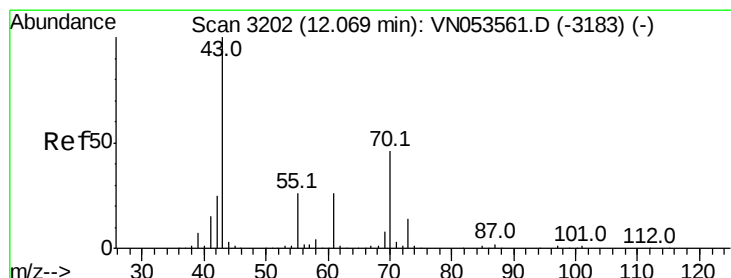
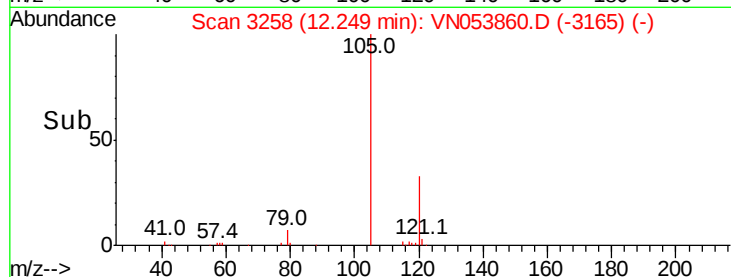
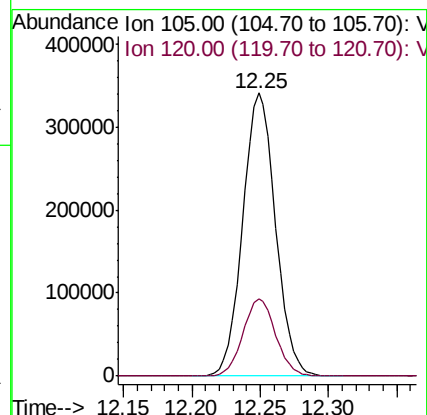
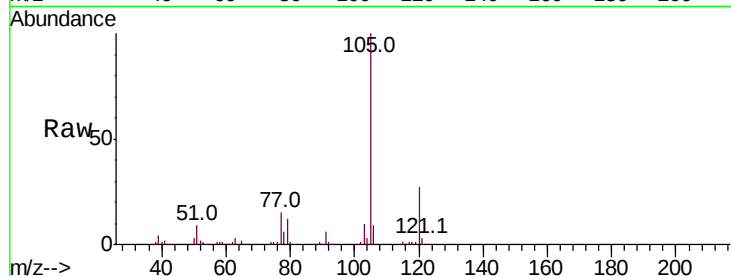
VN0219WBSD01

Tot Ion:105 Resp: 566812

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 20.106 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Tgt Ion: 43 Resp: 127115

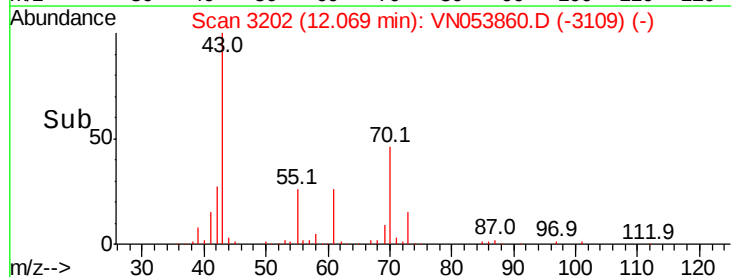
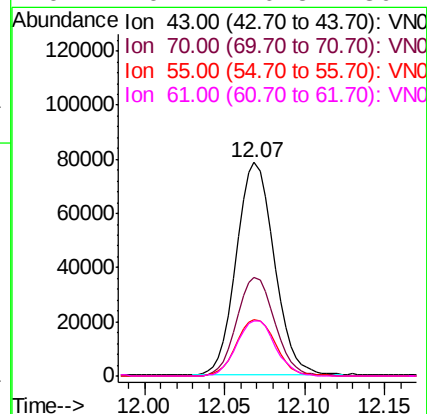
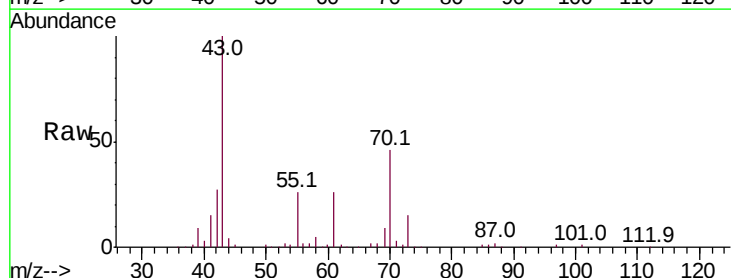
Ion Ratio Lower Upper

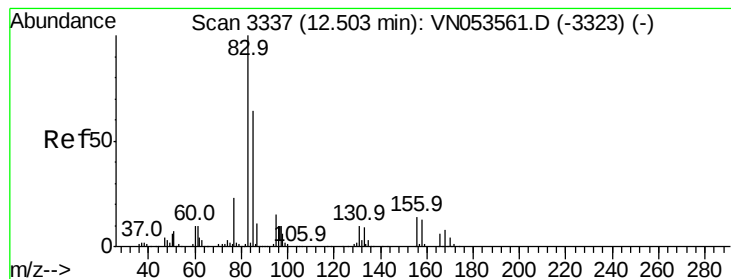
43 100

70 46.4 35.4 53.2

55 27.6 20.9 31.3

61 26.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.690 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

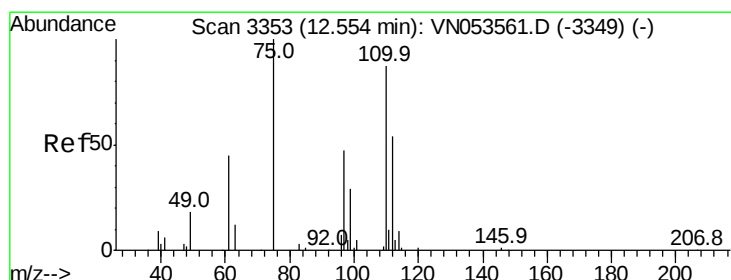
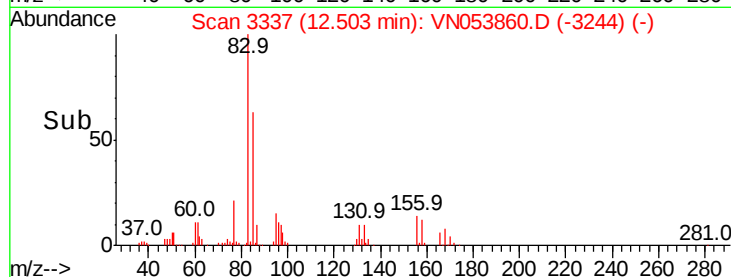
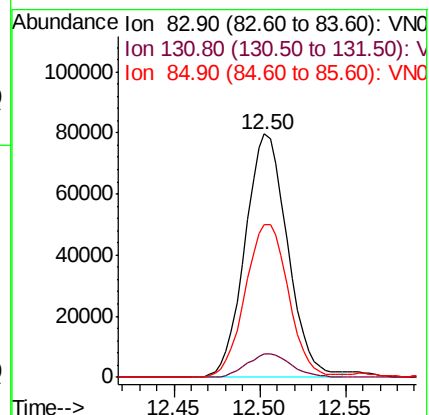
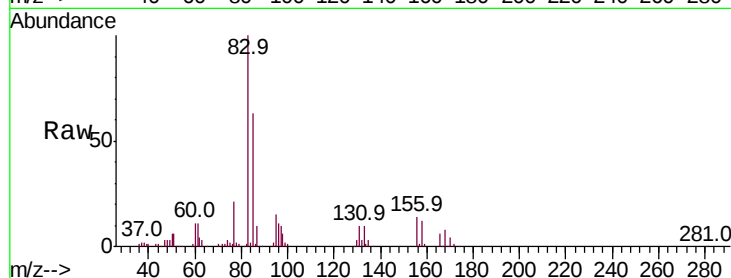
Tot Ion: 83 Resp: 136477

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

85 64.0 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 34.054 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053860.D

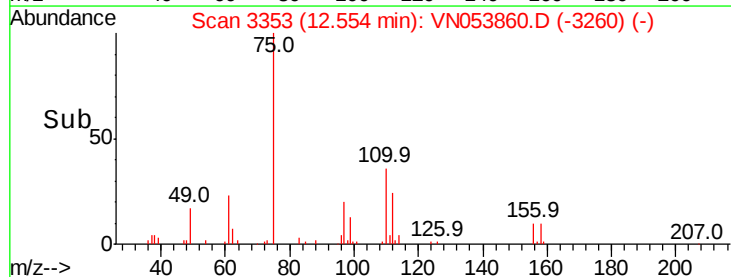
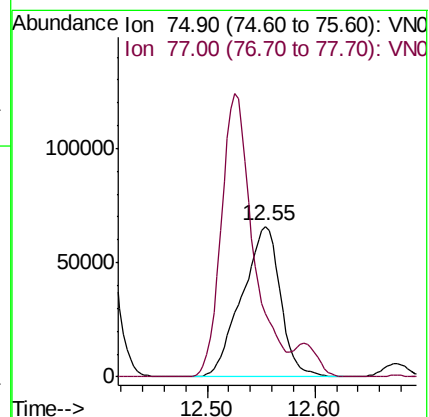
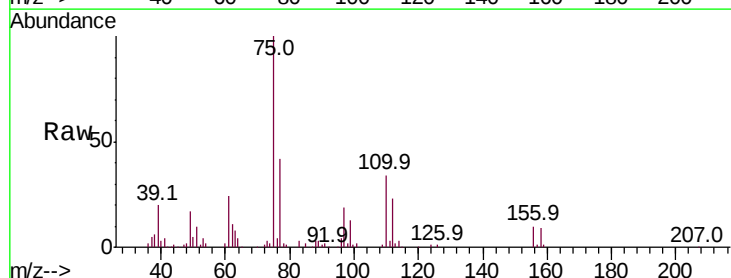
Acq: 19 Feb 2019 11:07

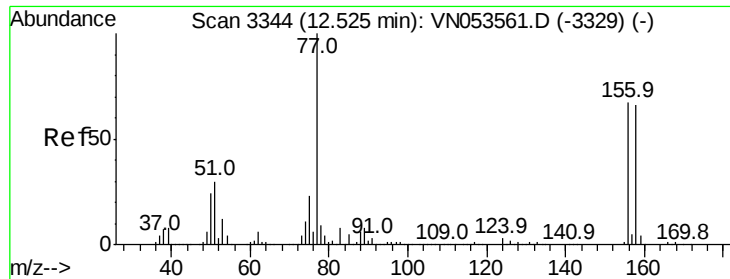
Tgt Ion: 75 Resp: 163587

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.876 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

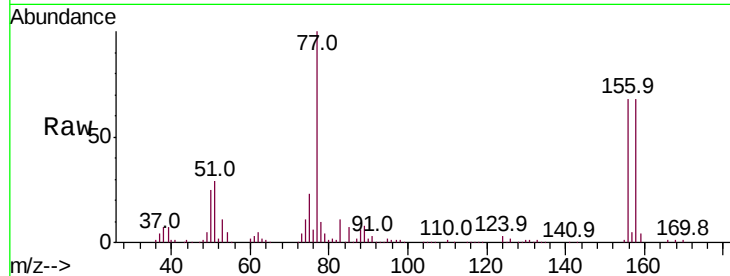
Tot Ion:156 Resp: 147923

Ion Ratio Lower Upper

156 100

77 173.2 87.9 263.8

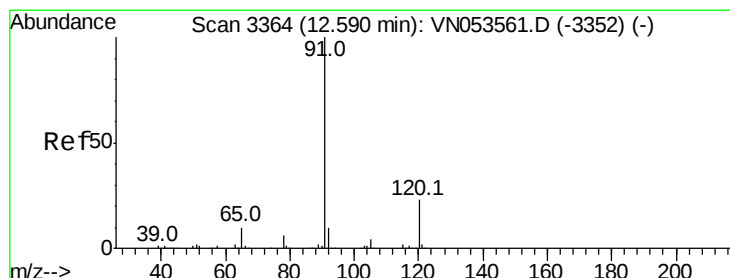
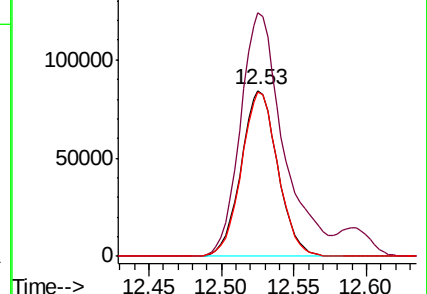
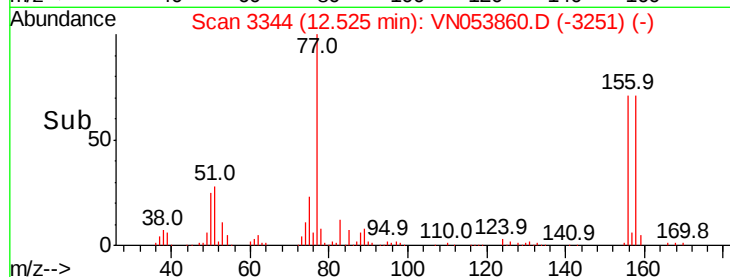
158 98.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.767 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053860.D

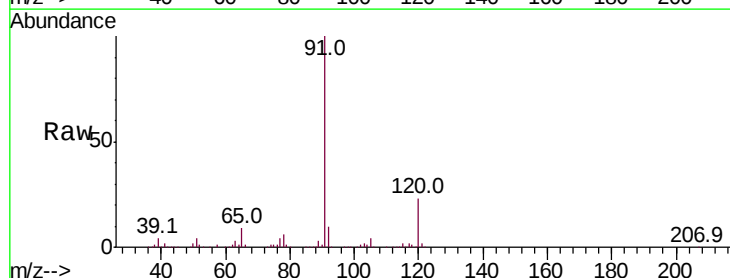
Acq: 19 Feb 2019 11:07

Tgt Ion: 91 Resp: 631186

Ion Ratio Lower Upper

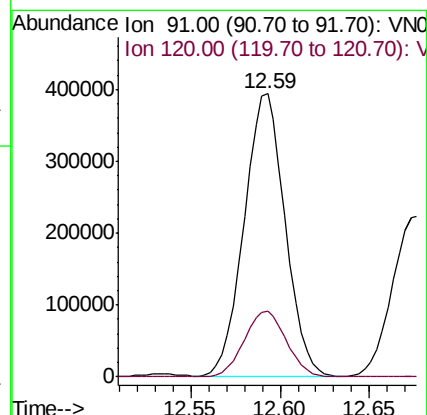
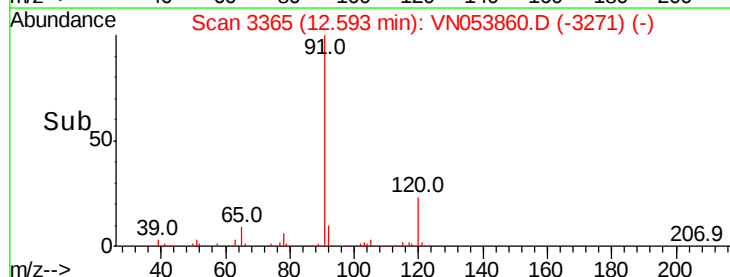
91 100

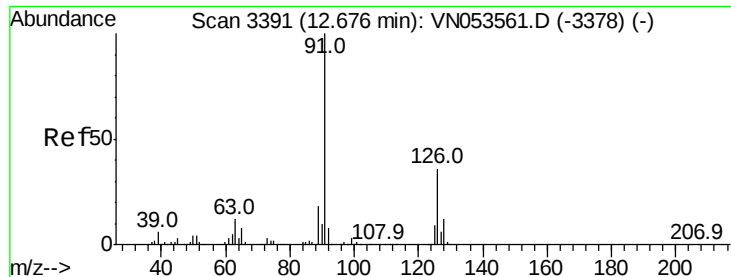
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

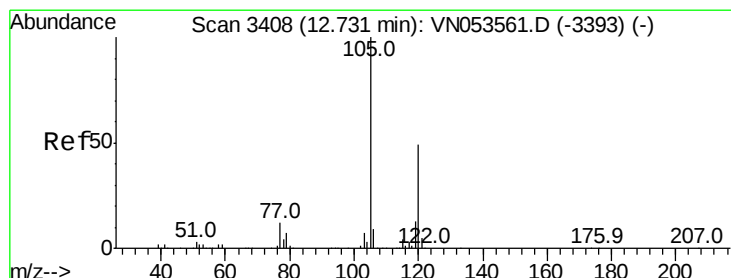
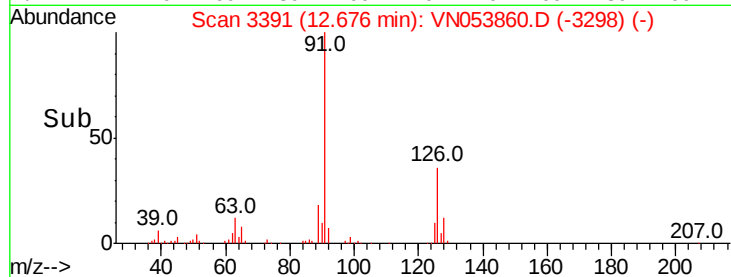
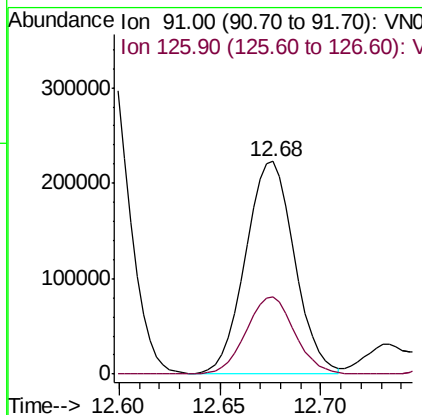
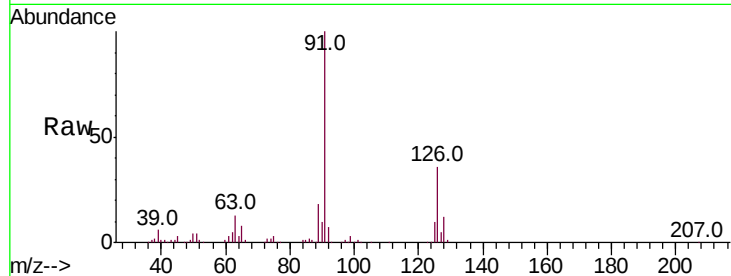




#79
 2-Chlorotoluene
 Concen: 20.896 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

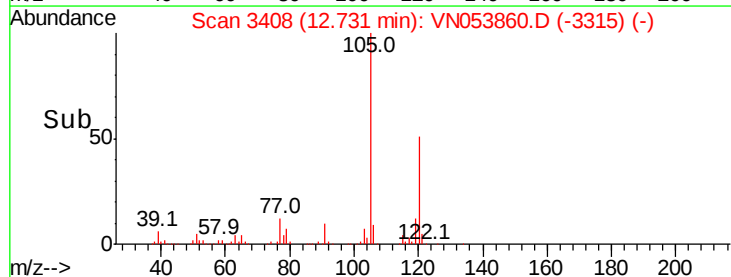
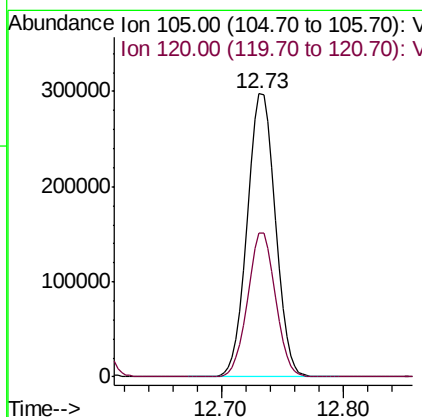
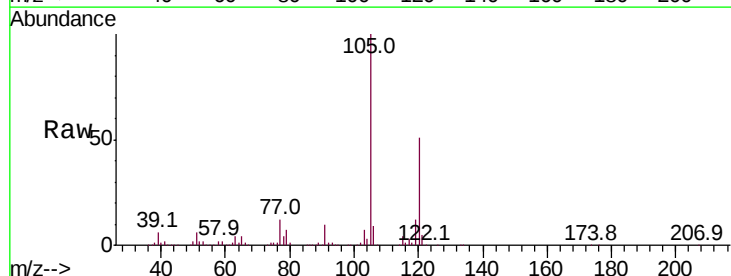
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

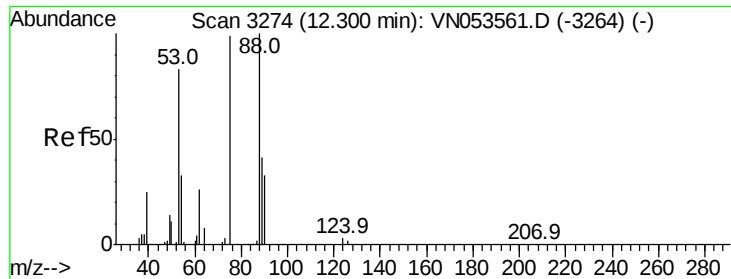
Tot Ion: 91 Resp: 376796
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.591 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion: 105 Resp: 470717
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.379 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

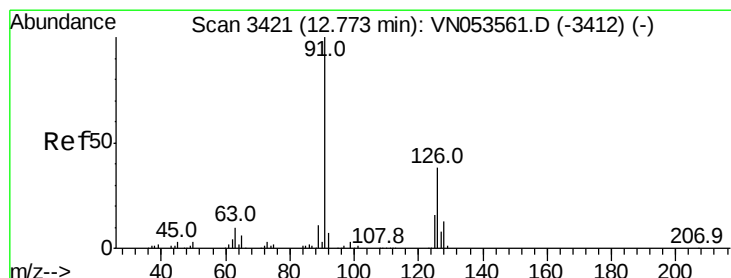
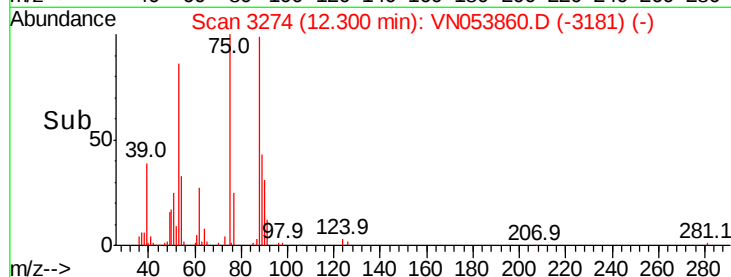
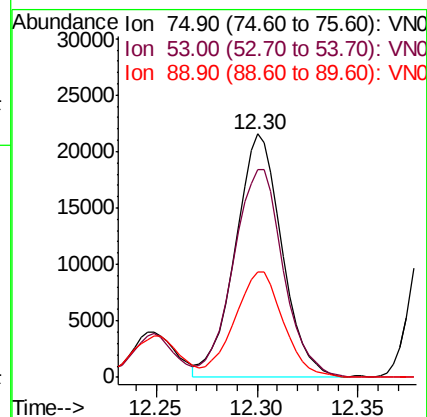
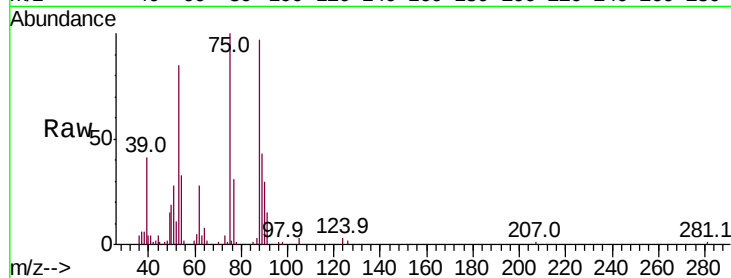
Tot Ion: 75 Resp: 34814

Ion Ratio Lower Upper

75 100

53 91.8 69.8 104.6

89 45.4 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.368 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053860.D

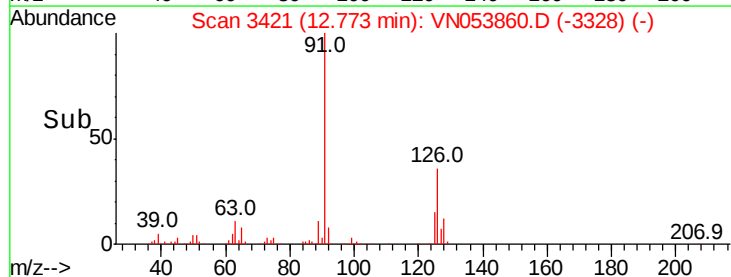
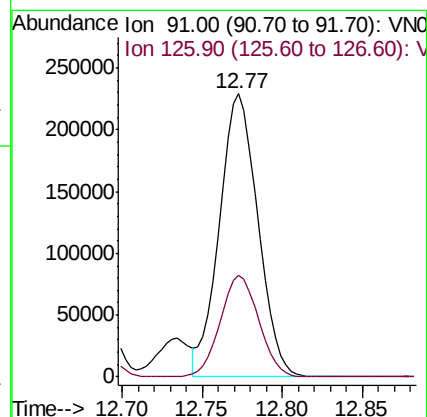
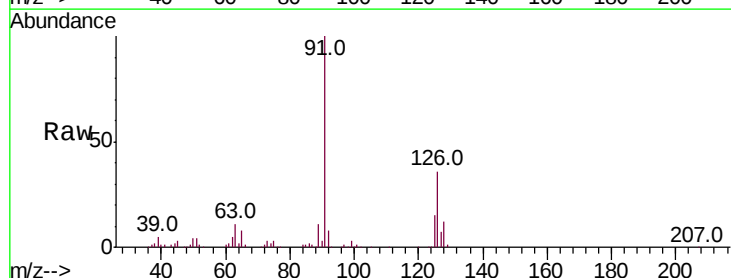
Acq: 19 Feb 2019 11:07

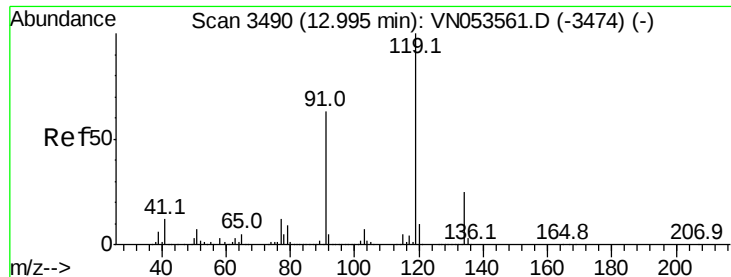
Tgt Ion: 91 Resp: 376858

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.9

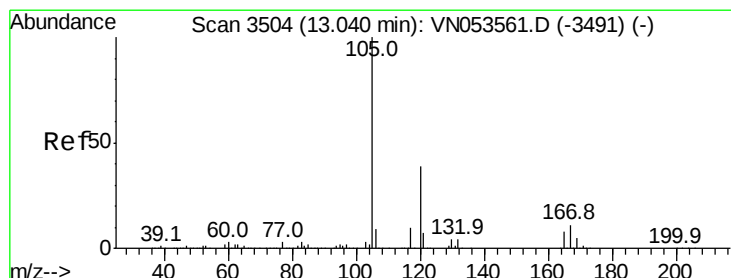
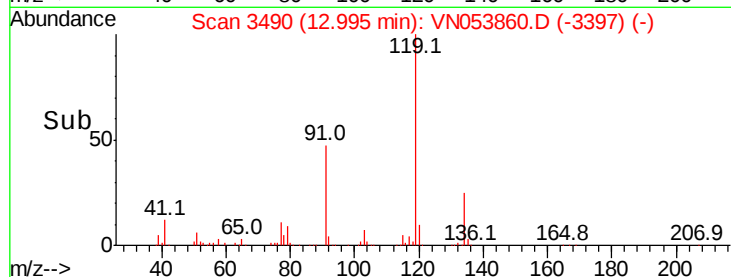
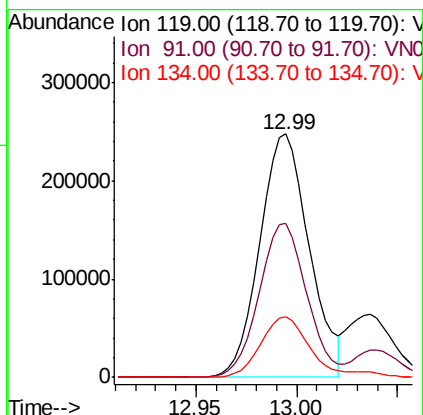
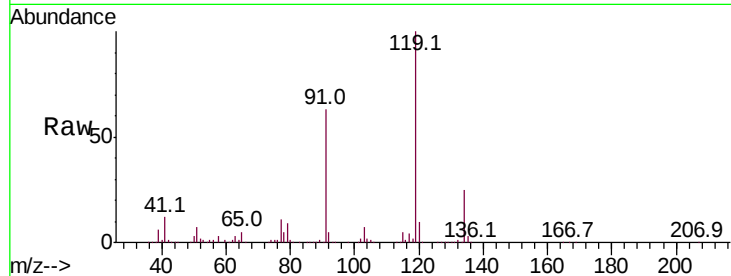




#83
tert-Butylbenzene
Concen: 21.933 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

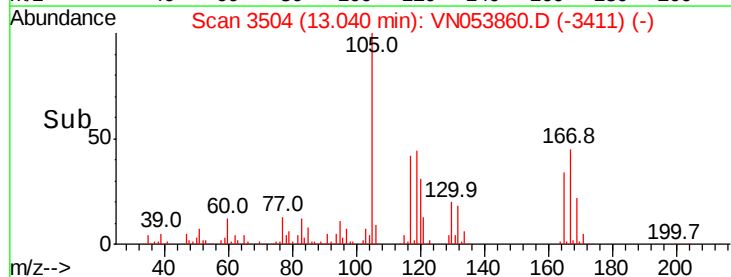
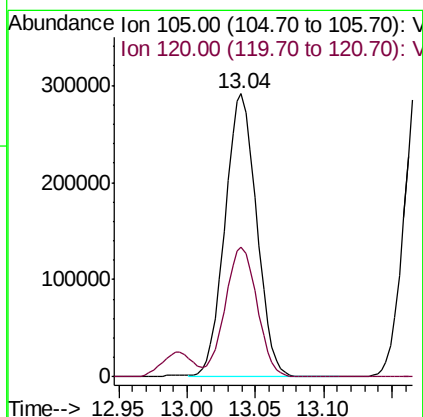
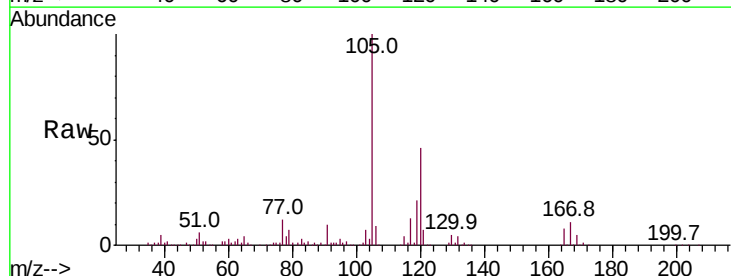
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

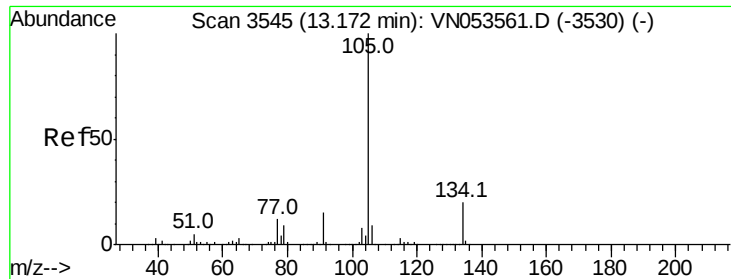
Tot Ion:119 Resp: 422619
Ion Ratio Lower Upper
119 100
91 61.5 31.3 93.8
134 25.6 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 21.133 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053860.D
Acq: 19 Feb 2019 11:07

Tgt Ion:105 Resp: 469410
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.324 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

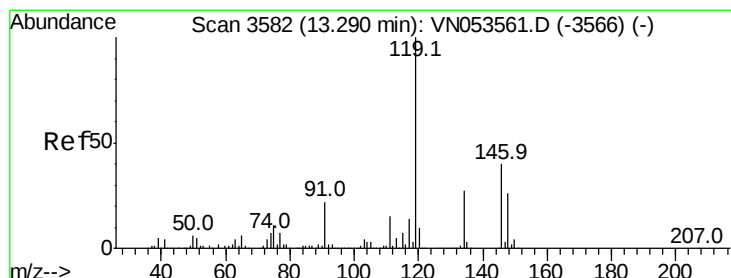
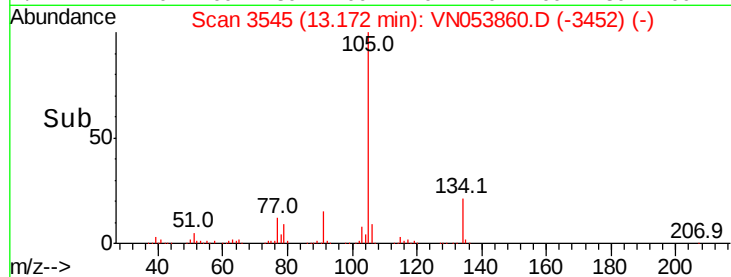
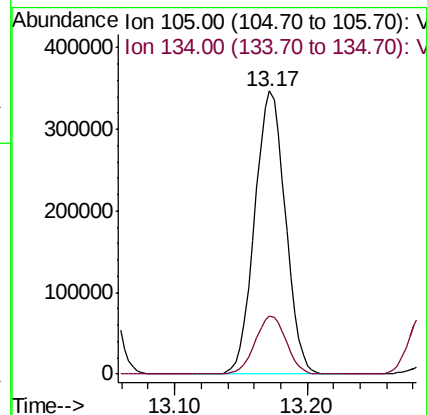
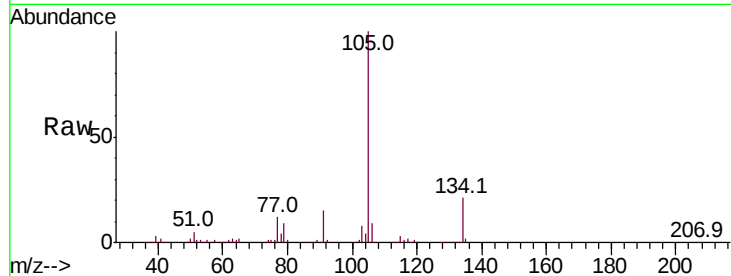
VN0219WBSD01

Tot Ion:105 Resp: 559134

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.885 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

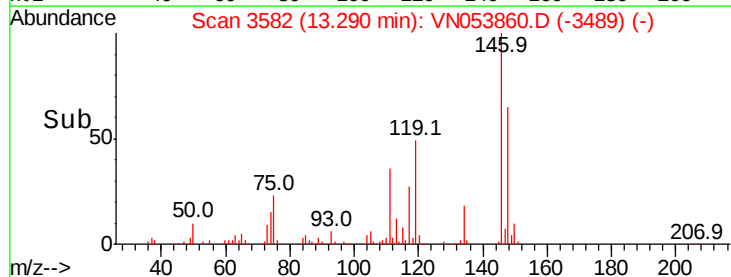
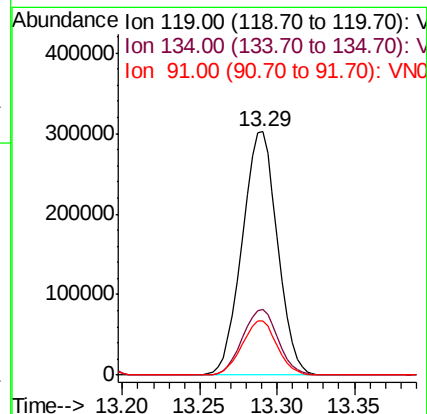
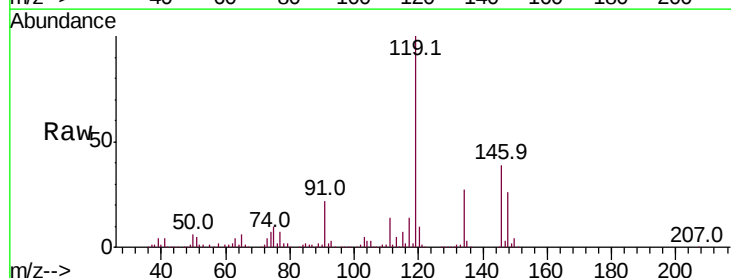
Tgt Ion:119 Resp: 478955

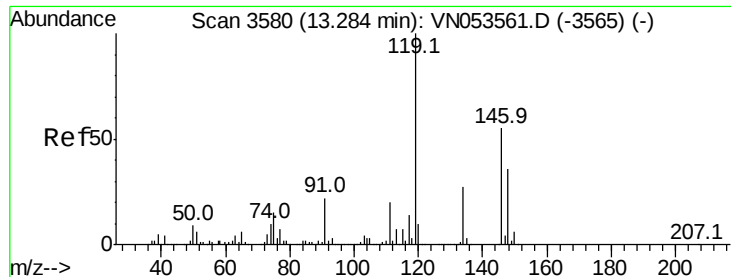
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.644 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

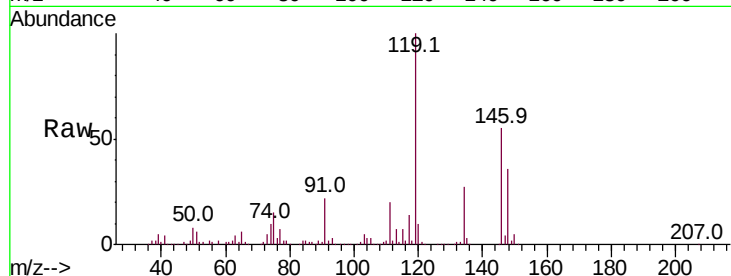
Tot Ion:146 Resp: 250222

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

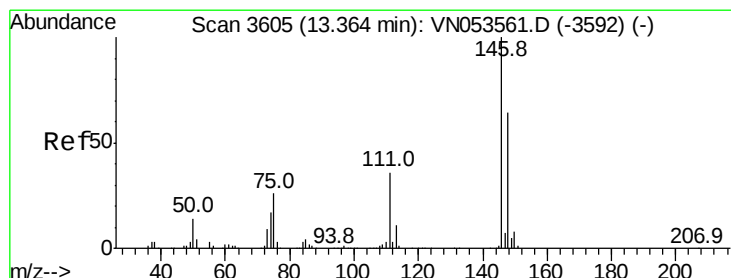
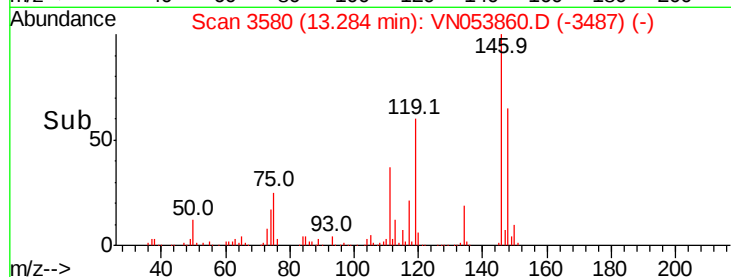
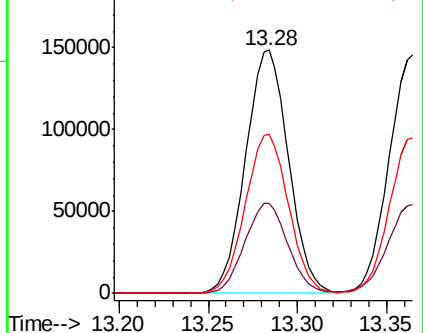
148 65.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

200000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.608 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

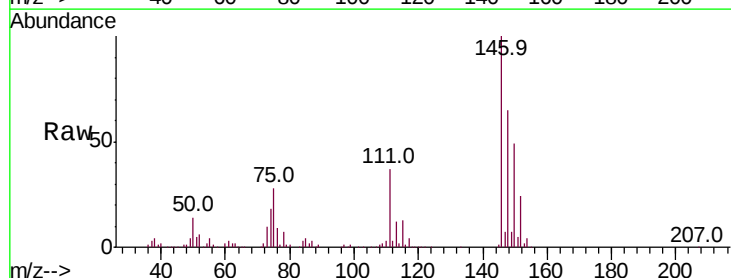
Tgt Ion:146 Resp: 247055

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

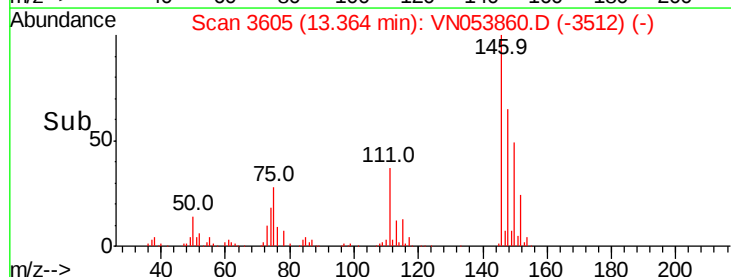
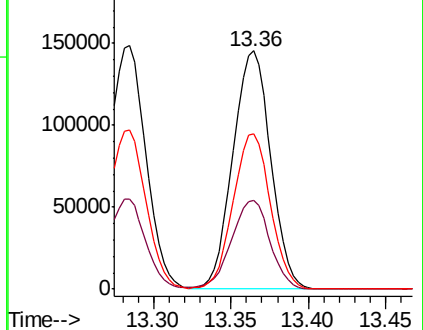
148 64.4 32.4 97.0

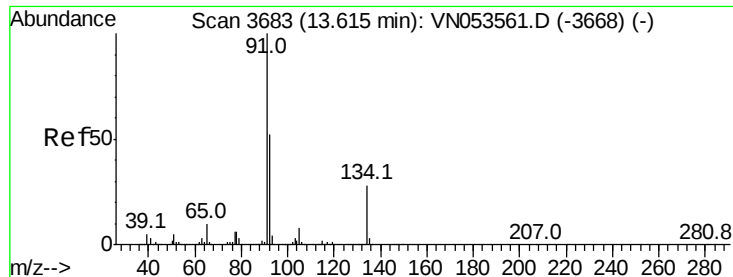


Abundance Ion 145.90 (145.60 to 146.60): V

200000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.623 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

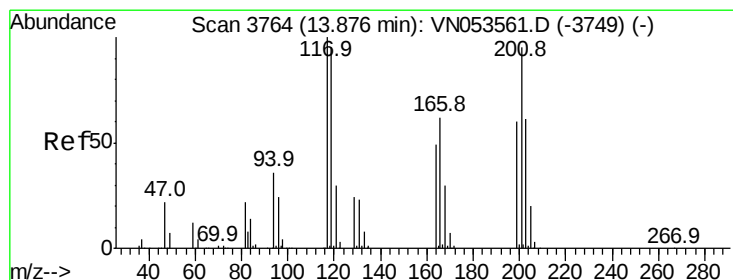
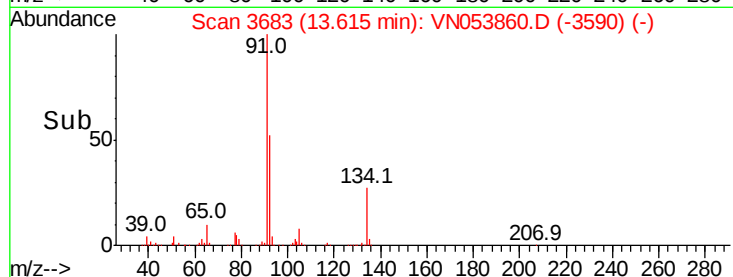
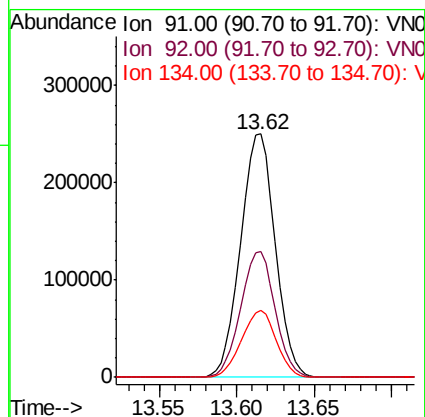
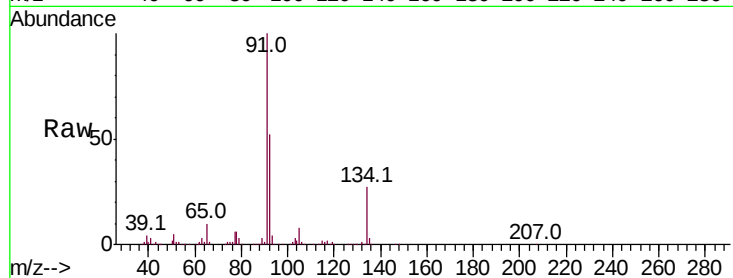
Tot Ion: 91 Resp: 389509

Ion Ratio Lower Upper

91 100

92 51.4 26.3 78.8

134 27.6 13.5 40.5



#90

Hexachloroethane

Concen: 22.070 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053860.D

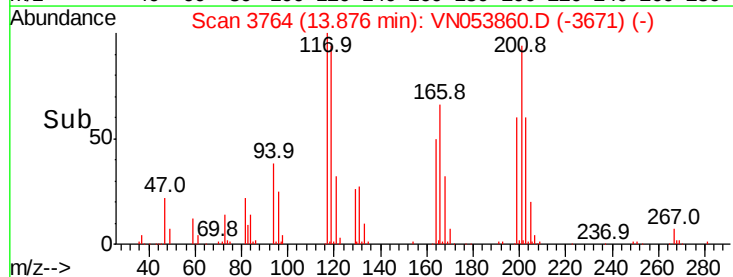
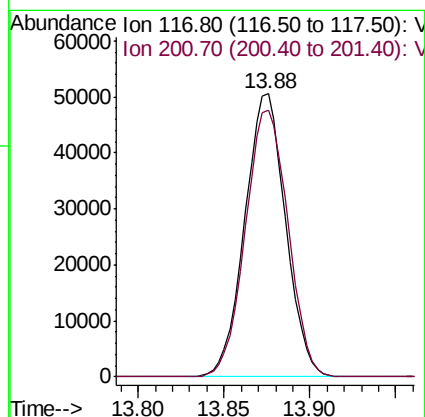
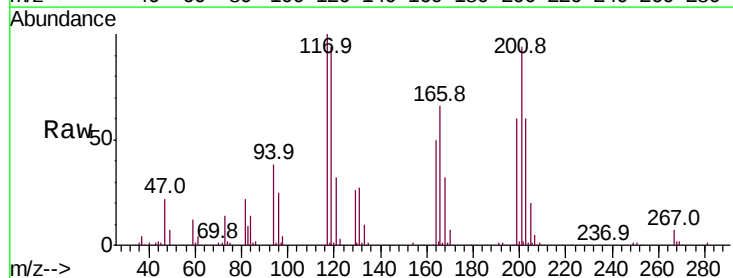
Acq: 19 Feb 2019 11:07

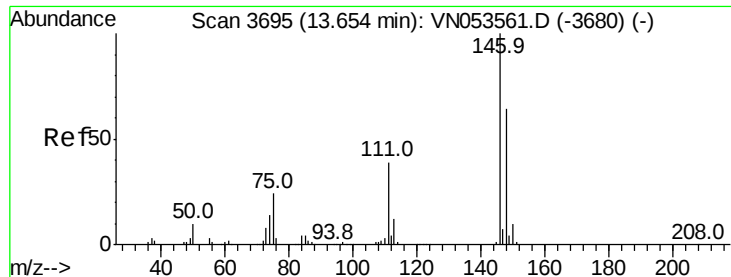
Tgt Ion: 117 Resp: 83486

Ion Ratio Lower Upper

117 100

201 98.2 46.8 140.4

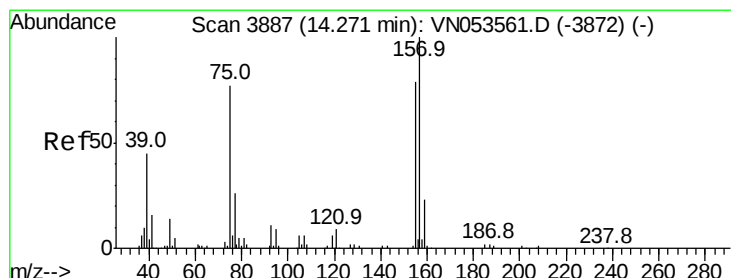
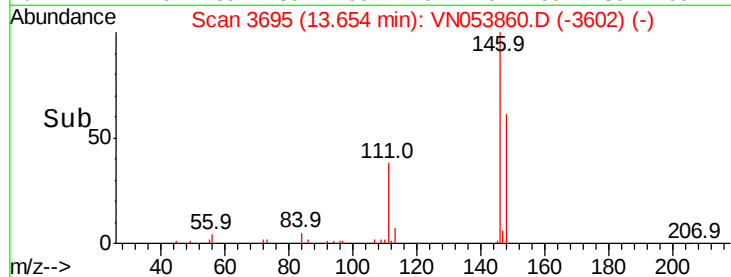
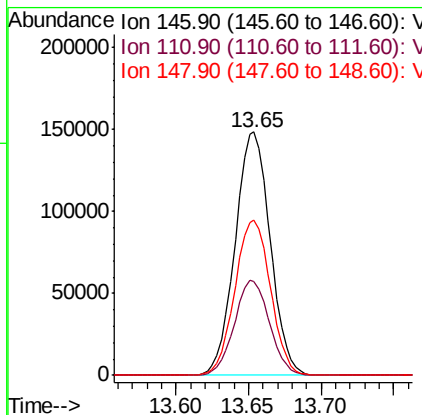
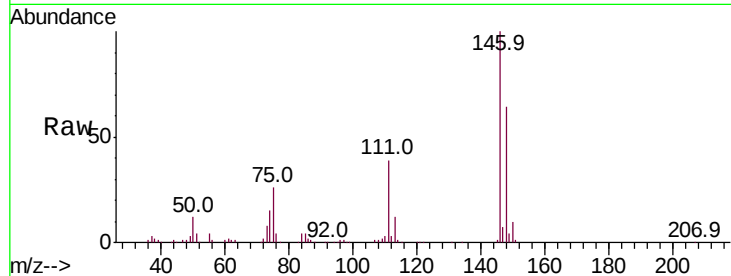




#91
 1,2-Dichlorobenzene
 Concen: 20.444 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

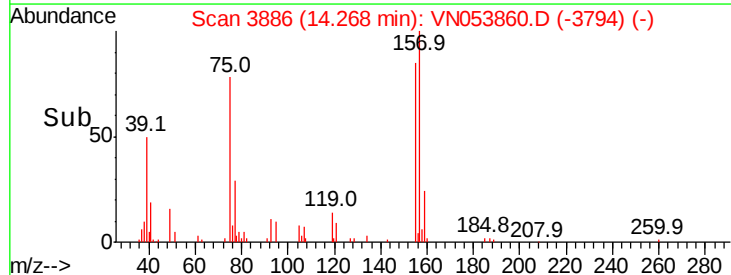
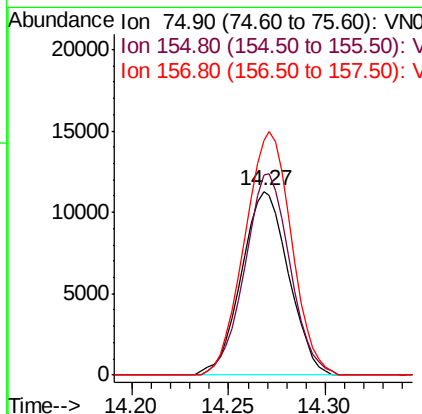
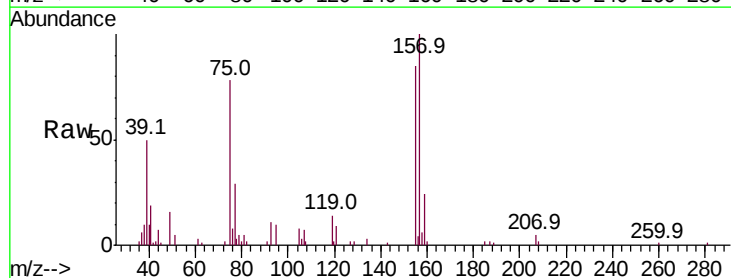
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

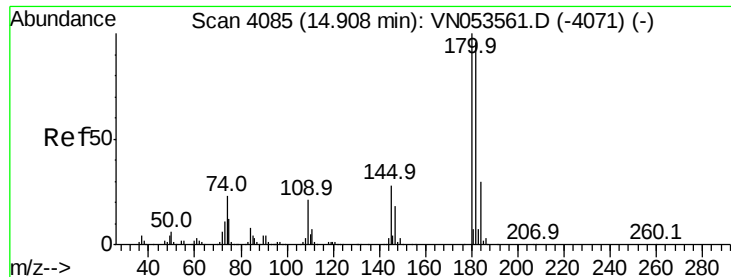
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.327 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053860.D
 Acq: 19 Feb 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	48.9	146.7
157	131.6	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.335 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

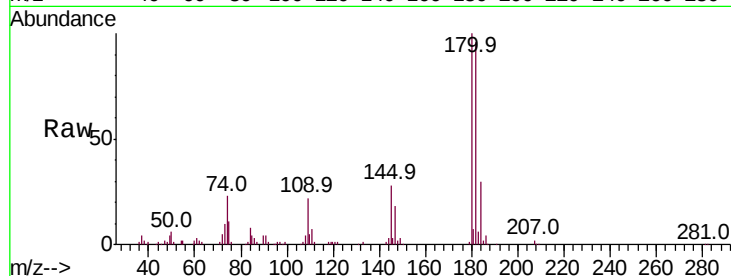
Tot Ion:180 Resp: 128229

Ion Ratio Lower Upper

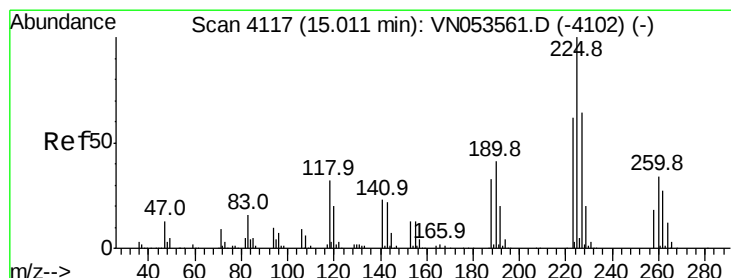
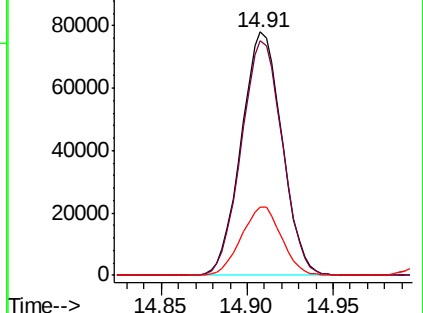
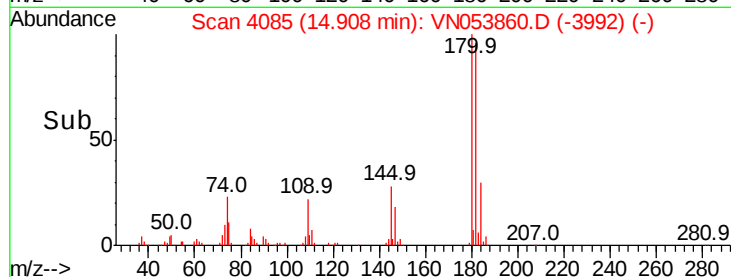
180 100

182 97.0 48.1 144.3

145 27.7 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.444 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

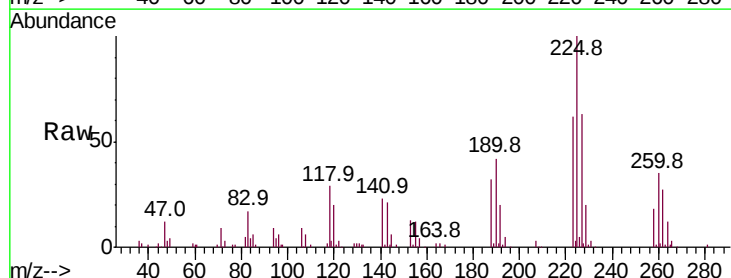
Tgt Ion:225 Resp: 97753

Ion Ratio Lower Upper

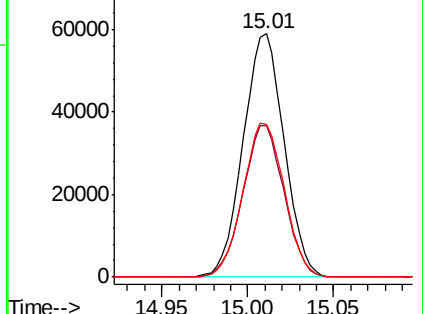
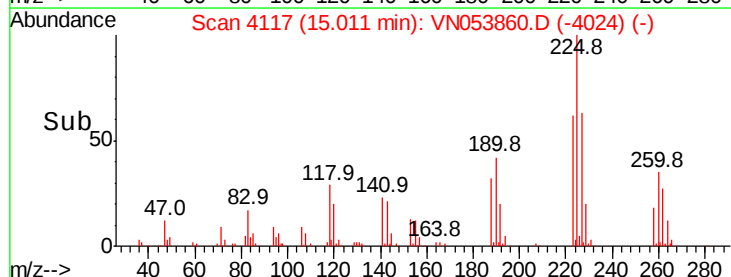
225 100

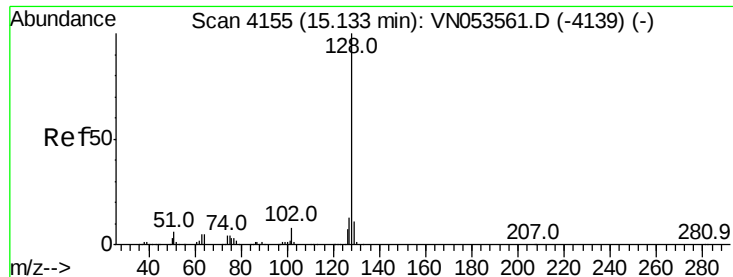
223 62.3 31.1 93.2

227 63.8 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.335 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

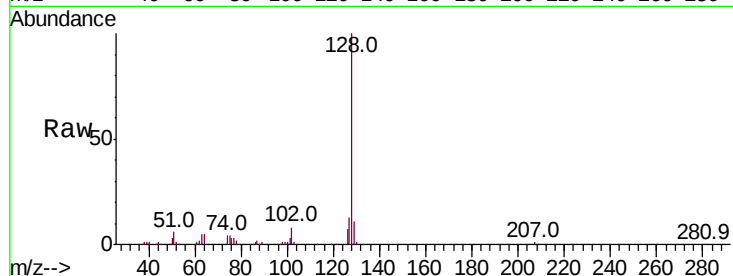
Tot Ion:128 Resp: 248478

Ion Ratio Lower Upper

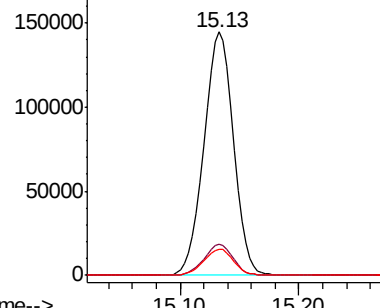
128 100

127 12.6 10.3 15.5

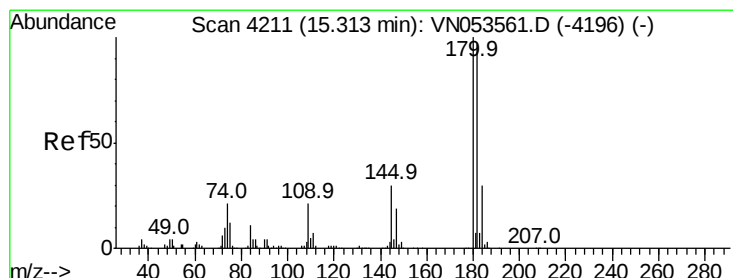
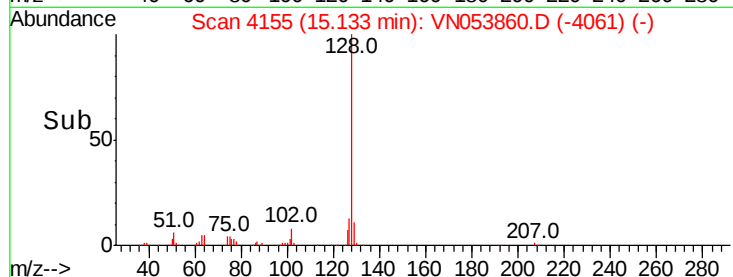
129 10.9 8.6 13.0



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.775 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053860.D

Acq: 19 Feb 2019 11:07

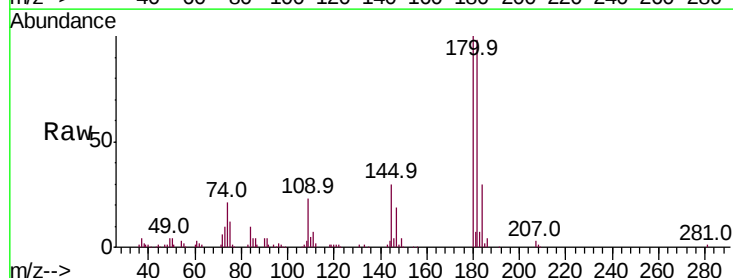
Tgt Ion:180 Resp: 128326

Ion Ratio Lower Upper

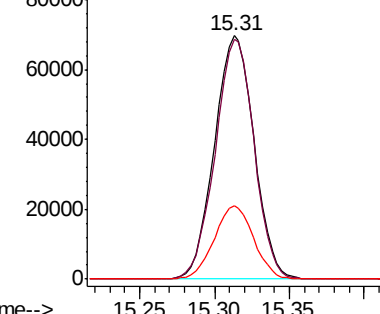
180 100

182 96.7 47.9 143.8

145 30.0 14.7 44.1



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



Time-->

