

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053626.D
 Acq On : 6 Feb 2019 11:22
 Operator : JC/SP
 Sample : VN0206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Quant Time: Feb 07 03:39:34 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	697408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	925307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	444202	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	353635	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	337055	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1258974	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	421103	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	148993	19.160	ug/l	100
3) Chloromethane	2.06	50	155916	18.831	ug/l	99
4) Vinyl Chloride	2.19	62	154293	19.197	ug/l	99
5) Bromomethane	2.57	94	101882	19.387	ug/l	95
6) Chloroethane	2.71	64	88026	19.165	ug/l	100
7) Trichlorofluoromethane	3.02	101	208625	19.141	ug/l	99
8) Diethyl Ether	3.41	74	76279	19.163	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133184	19.758	ug/l	98
10) Methyl Iodide	3.96	142	194069	18.343	ug/l	99
11) Tert butyl alcohol	4.78	59	39777	96.066	ug/l	99
12) 1,1-Dichloroethene	3.74	96	124865	19.334	ug/l	99
13) Acrolein	3.61	56	31291	138.801	ug/l	97
14) Allyl chloride	4.33	41	195917	19.053	ug/l	97
15) Acrylonitrile	4.99	53	227334	101.701	ug/l	98
16) Acetone	3.82	43	180469	100.563	ug/l	100
17) Carbon Disulfide	4.06	76	359640	17.884	ug/l	99
18) Methyl Acetate	4.32	43	108500	20.415	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	322366	19.690	ug/l	99
20) Methylene Chloride	4.55	84	141301	18.768	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	131230	18.835	ug/l	97
22) Diisopropyl ether	5.95	45	367912	19.310	ug/l	95
23) Vinyl Acetate	5.90	43	1279398	97.066	ug/l	99
24) 1,1-Dichloroethane	5.85	63	244162	19.213	ug/l	99
25) 2-Butanone	6.83	43	250914	98.034	ug/l	98
26) 2,2-Dichloropropane	6.82	77	184353	19.003	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149449	19.290	ug/l	97
28) Bromochloromethane	7.19	49	106508	19.313	ug/l	98
29) Tetrahydrofuran	7.21	42	163190	99.294	ug/l	98
30) Chloroform	7.37	83	236955	18.809	ug/l	96
31) Cyclohexane	7.65	56	220482	18.528	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	201426	19.213	ug/l	99
36) 1,1-Dichloropropene	7.79	75	185594	19.612	ug/l	99
37) Ethyl Acetate	6.93	43	109409	20.701	ug/l	99
38) Carbon Tetrachloride	7.78	117	180267	18.910	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216088	19.247	ug/l	97
40) Benzene	8.04	78	561316	19.235	ug/l	99
41) Methacrylonitrile	7.18	41	56156	19.011	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	167066	19.281	ug/l	99
43) Isopropyl Acetate	8.16	43	184779	18.103	ug/l	99
44) Trichloroethene	8.83	130	155628	18.732	ug/l	100
45) 1,2-Dichloropropane	9.12	63	146525	19.631	ug/l	99
46) Dibromomethane	9.21	93	85669	19.040	ug/l	98
47) Bromodichloromethane	9.40	83	180707	19.316	ug/l	100
48) Methyl methacrylate	9.20	41	87534	17.966	ug/l	92
49) 1,4-Dioxane	9.20	88	27247	409.954	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	516414	102.960	ug/l	98
52) Toluene	10.16	92	338258	19.531	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176721	18.865	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211006	19.008	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	124370	19.928	ug/l	97
56) Ethyl methacrylate	10.43	69	142787	19.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	208227	19.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	405209	93.672	ug/l	99
59) 2-Hexanone	10.75	43	324595	95.329	ug/l	99
60) Dibromochloromethane	10.90	129	138104	19.623	ug/l	99
61) 1,2-Dibromoethane	11.01	107	116021	18.783	ug/l	99
64) Tetrachloroethene	10.63	164	148050	18.665	ug/l	99
65) Chlorobenzene	11.44	112	372376	18.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133011	19.378	ug/l	99
67) Ethyl Benzene	11.51	91	624004	19.327	ug/l	99
68) m/p-Xylenes	11.62	106	488322	39.629	ug/l	99
69) o-Xylene	11.95	106	237268	19.931	ug/l	98
70) Styrene	11.96	104	380281	19.708	ug/l	100
71) Bromoform	12.13	173	93511	19.871	ug/l #	99
73) Isopropylbenzene	12.25	105	616323	19.737	ug/l	100
74) N-amyl acetate	12.07	43	145817	19.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143289	19.173	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	172117	30.167	ug/l #	100
77) Bromobenzene	12.53	156	164521	19.549	ug/l	97
78) n-propylbenzene	12.59	91	721403	19.984	ug/l	100
79) 2-Chlorotoluene	12.67	91	422027	19.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	533884	20.618	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36961	18.216	ug/l	97
82) 4-Chlorotoluene	12.77	91	432118	19.663	ug/l	100
83) tert-Butylbenzene	12.99	119	470927	20.577	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	543279	20.593	ug/l	100
85) sec-Butylbenzene	13.17	105	644823	20.705	ug/l	99
86) p-Isopropyltoluene	13.29	119	560687	20.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288809	19.090	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286715	19.159	ug/l	99
89) n-Butylbenzene	13.62	91	471265	19.989	ug/l	100
90) Hexachloroethane	13.88	117	90521	20.148	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	282292	19.491	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20800	19.529	ug/l	99

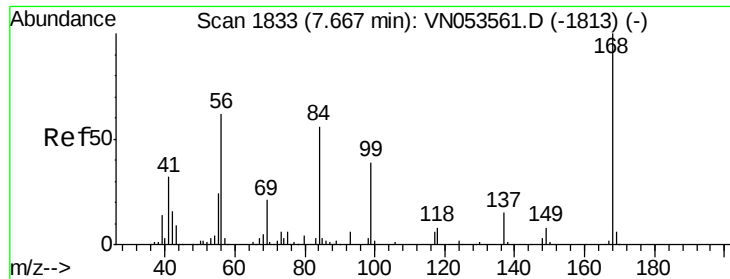
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	155867	18.764	ug/l	99
94) Hexachlorobutadiene	15.01	225	102844	19.881	ug/l	99
95) Naphthalene	15.13	128	311588	17.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145705	18.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

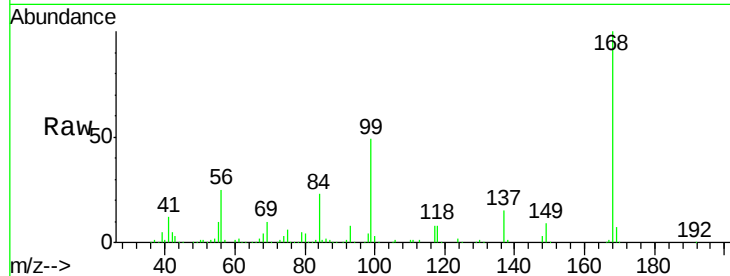
VN0206WBS01

Tot Ion:168 Resp: 697408

Ion Ratio Lower Upper

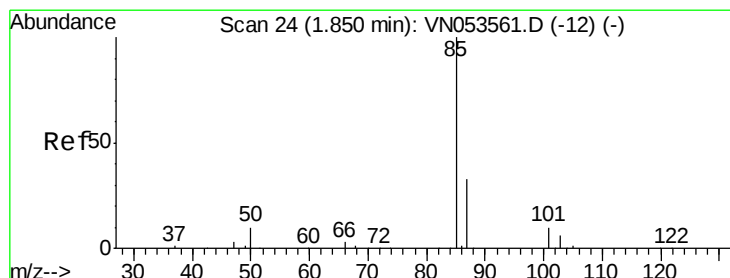
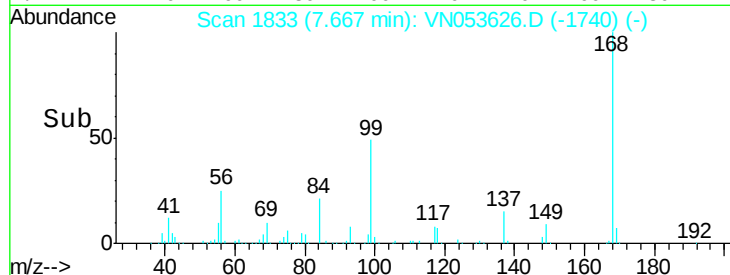
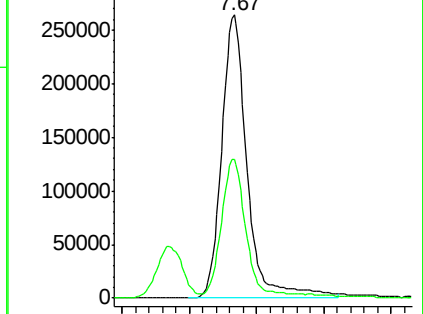
168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.160 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053626.D

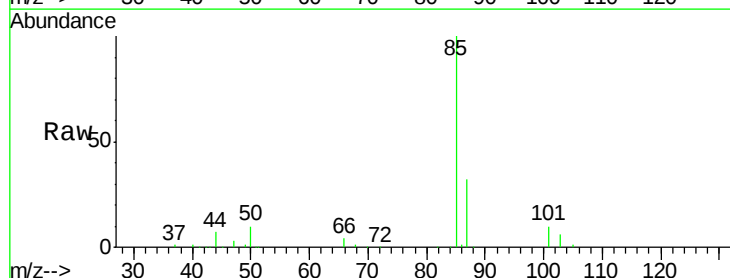
Acq: 6 Feb 2019 11:22

Tgt Ion: 85 Resp: 148993

Ion Ratio Lower Upper

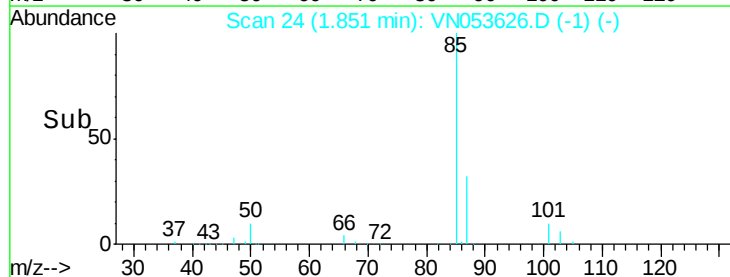
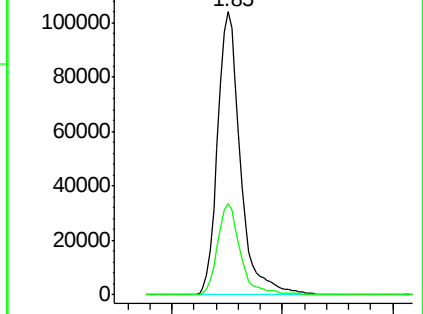
85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.831 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

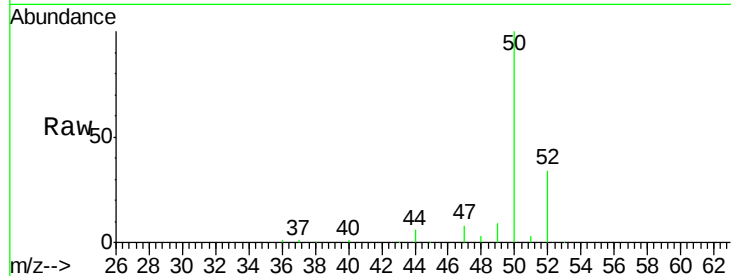
VN0206WBS01

Tot Ion: 50 Resp: 155916

Ion Ratio Lower Upper

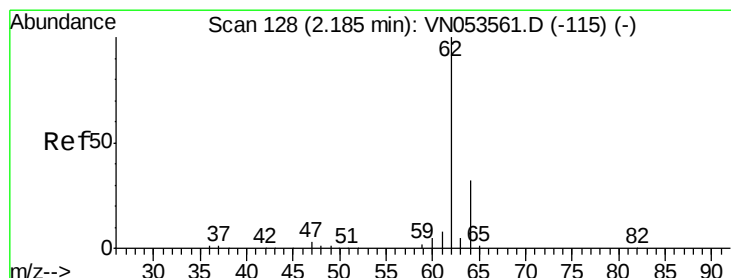
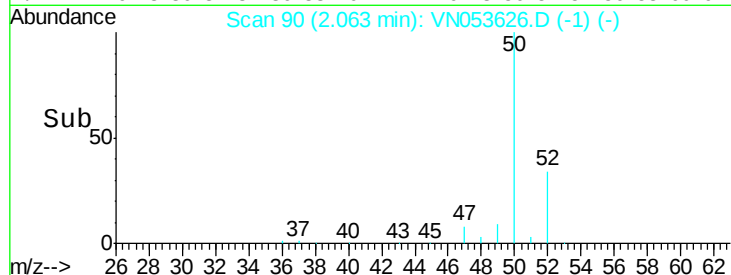
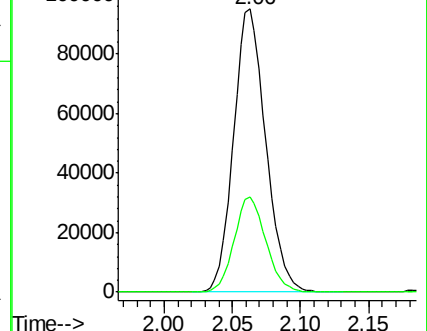
50 100

52 33.8 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: 19.197 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053626.D

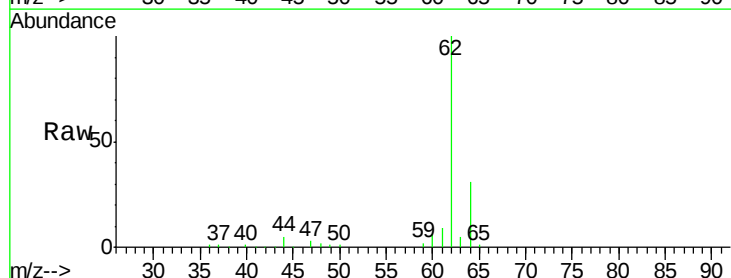
Acq: 6 Feb 2019 11:22

Tgt Ion: 62 Resp: 154293

Ion Ratio Lower Upper

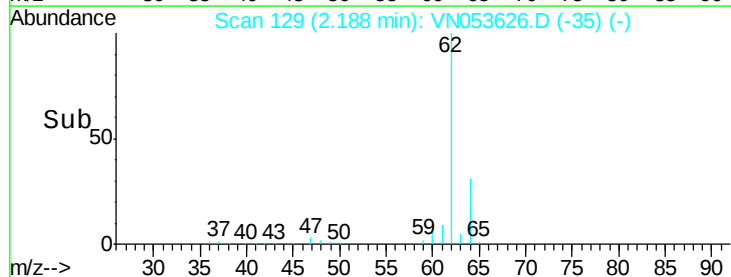
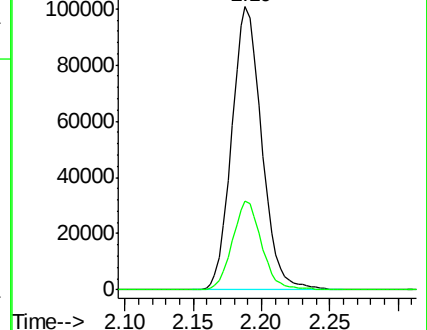
62 100

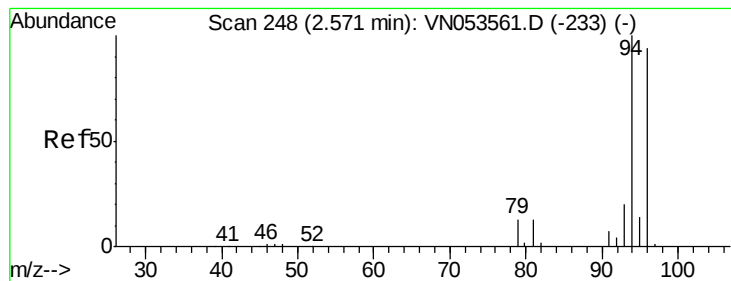
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.387 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

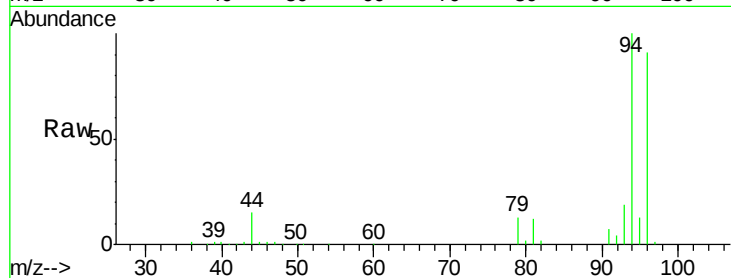
VN0206WBS01

Tot Ion: 94 Resp: 101882

Ion Ratio Lower Upper

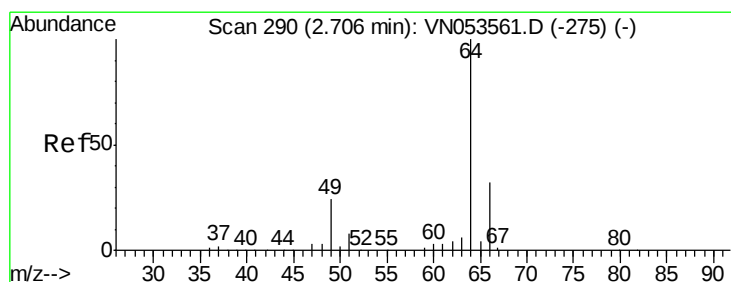
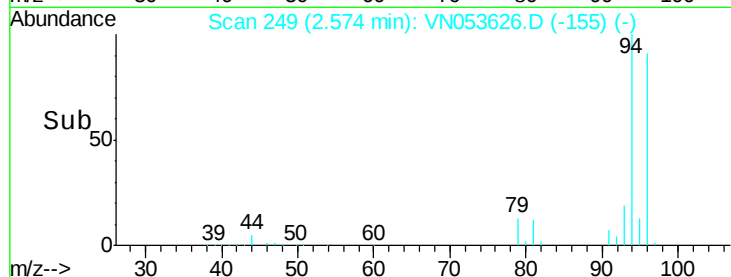
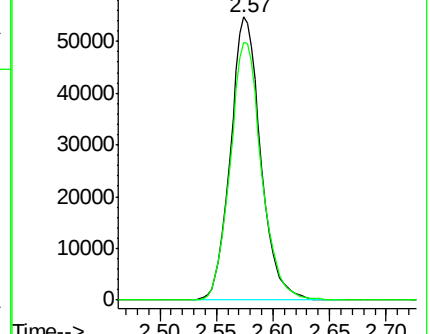
94 100

96 90.9 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.165 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053626.D

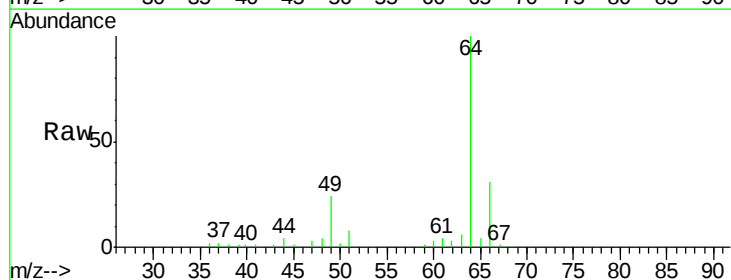
Acq: 6 Feb 2019 11:22

Tgt Ion: 64 Resp: 88026

Ion Ratio Lower Upper

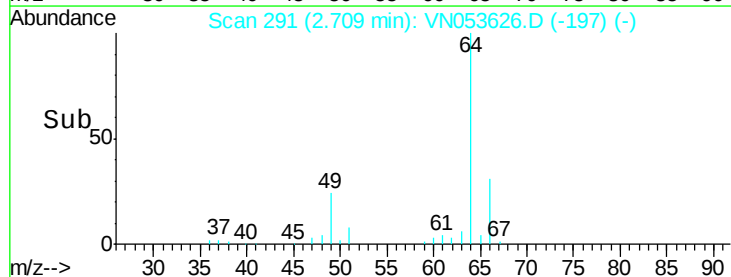
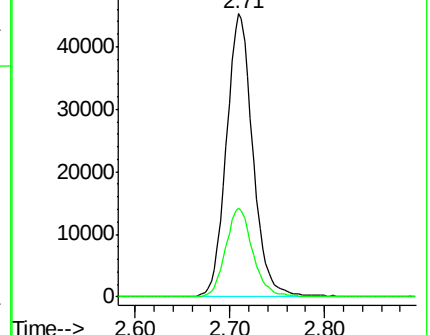
64 100

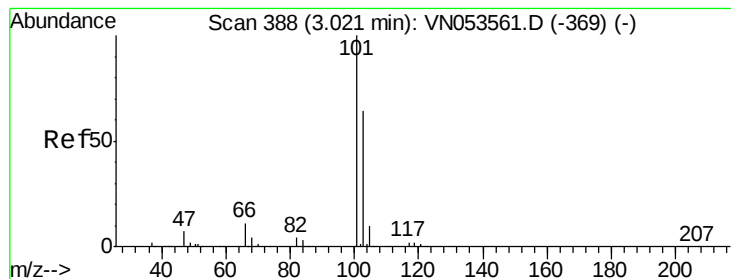
66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



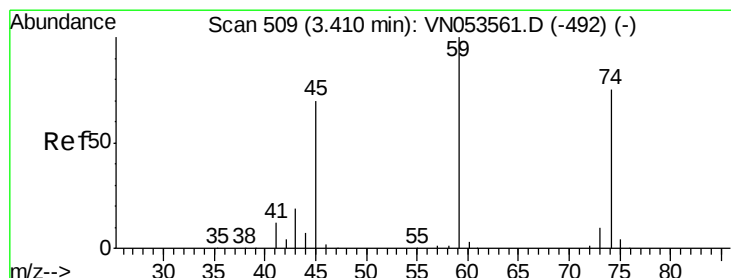
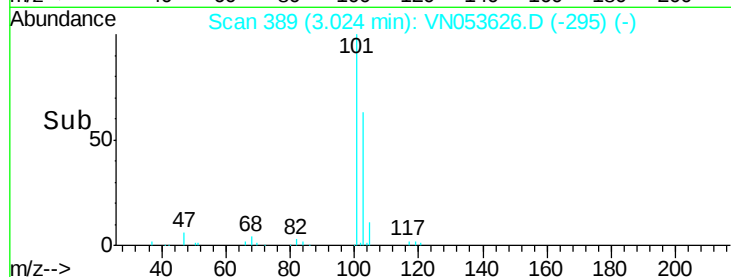
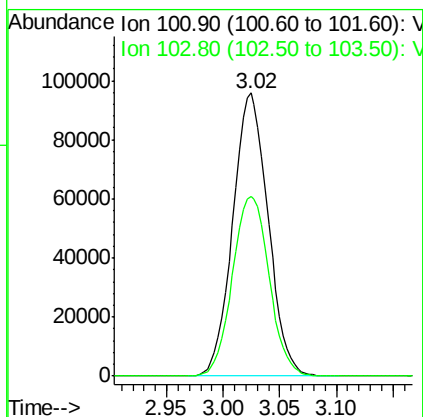
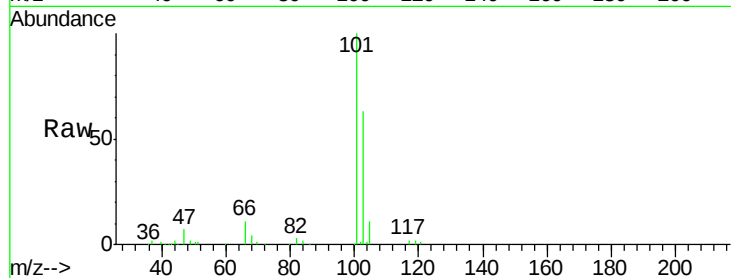


#7

Trichlorofluoromethane
 Concen: 19.141 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

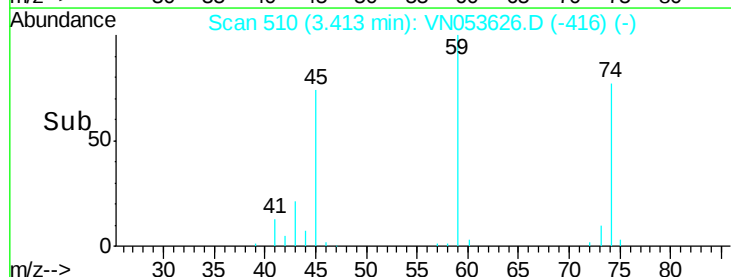
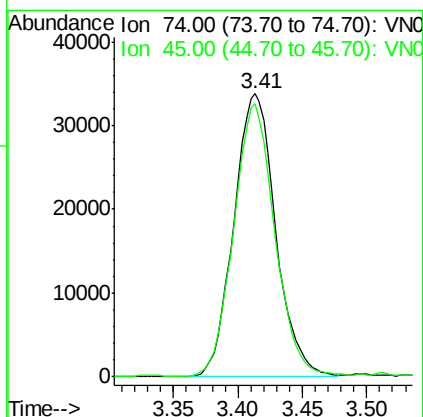
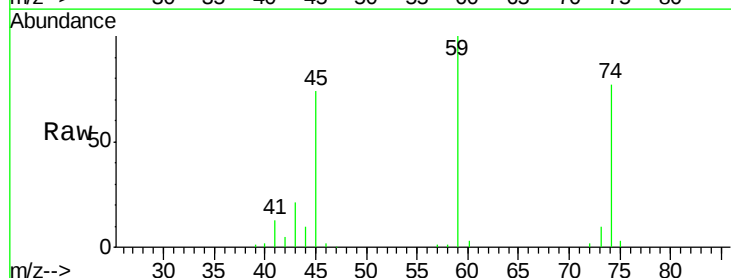
Tot Ion:101 Resp: 208625
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.6 77.4

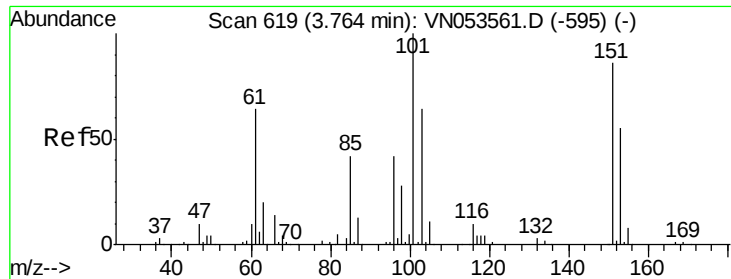


#8

Diethyl Ether
 Concen: 19.163 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 74 Resp: 76279
 Ion Ratio Lower Upper
 74 100
 45 95.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.758 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

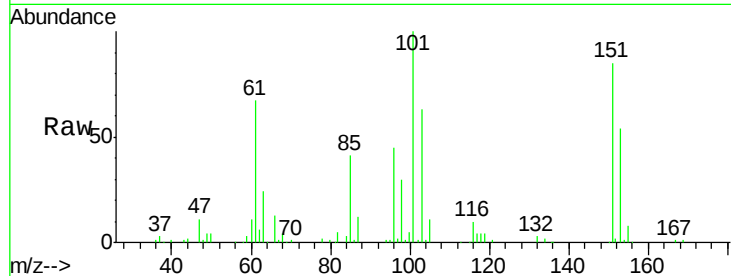
Tot Ion:101 Resp: 133184

Ion Ratio Lower Upper

101 100

85 42.0 32.8 49.2

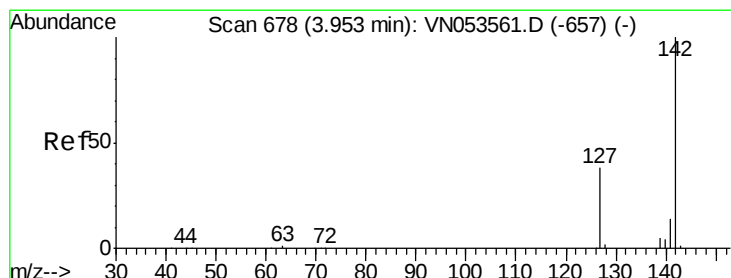
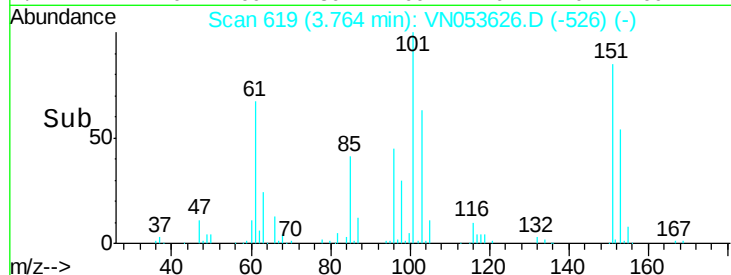
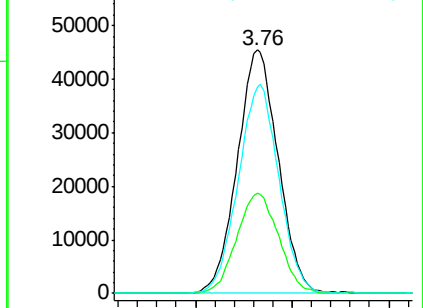
151 85.5 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.343 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

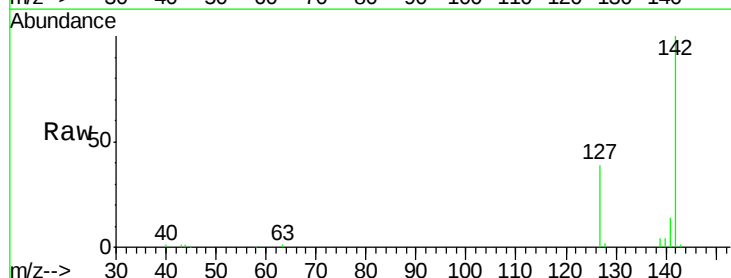
Tgt Ion:142 Resp: 194069

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

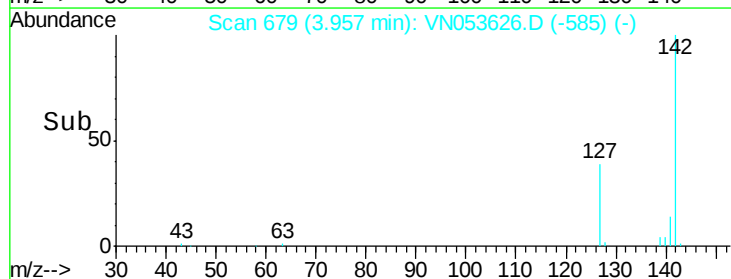
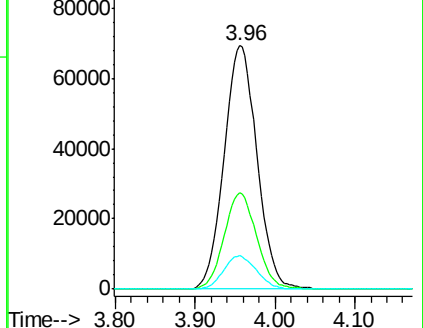
141 13.6 11.1 16.7

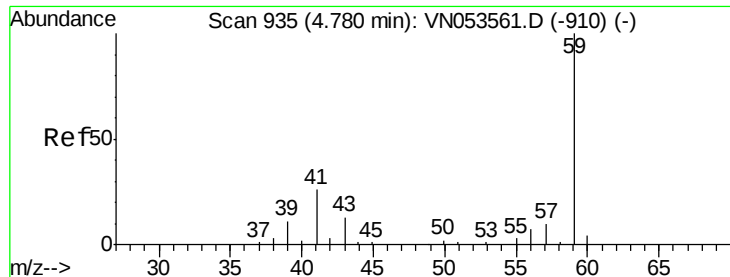


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

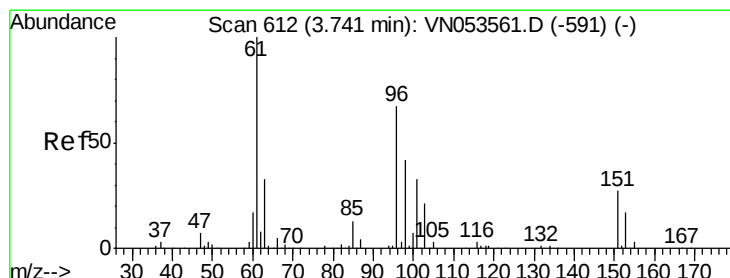
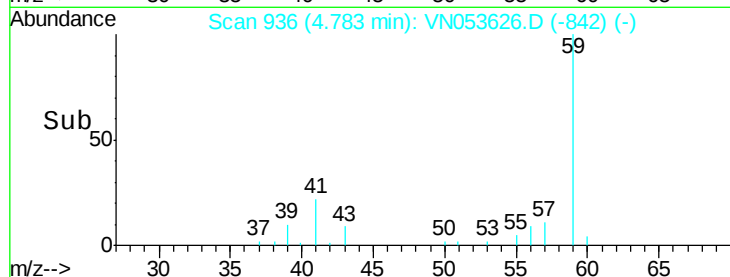
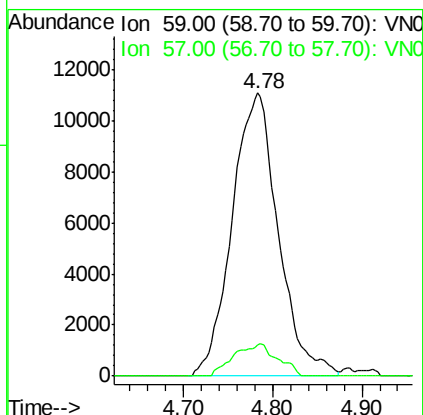
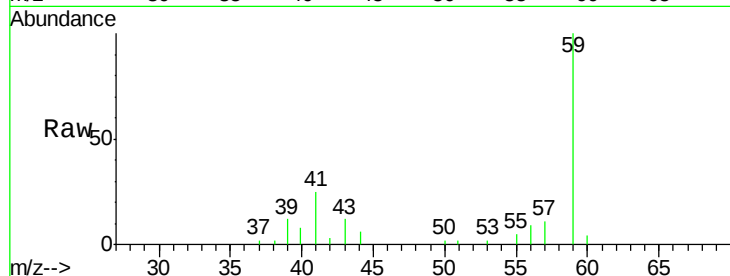




#11
Tert butyl alcohol
Concen: 96.066 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

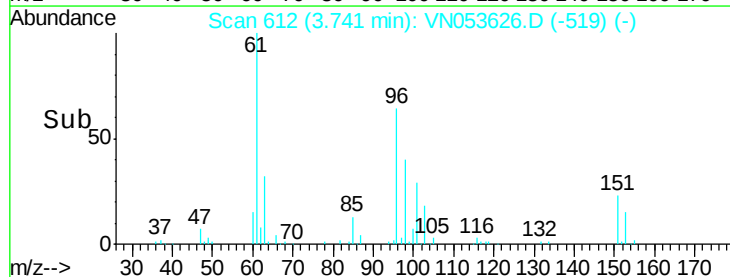
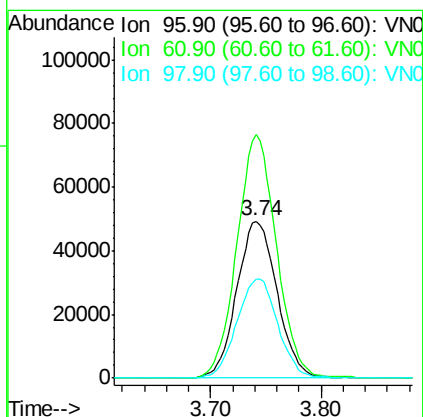
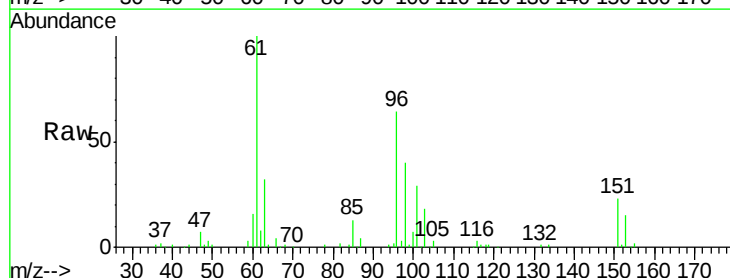
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

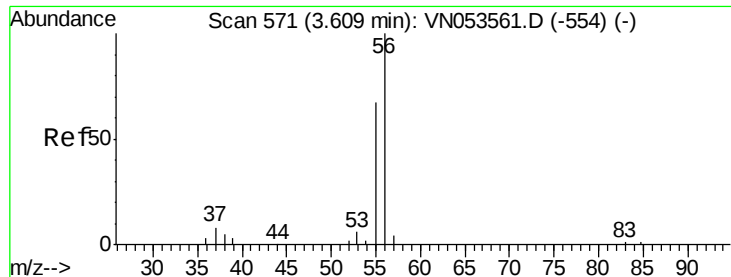
Tot Ion: 59 Resp: 39777
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.334 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 96 Resp: 124865
Ion Ratio Lower Upper
96 100
61 155.5 122.9 184.3
98 62.8 49.4 74.0





#13

Acrolein

Concen: 138.801 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

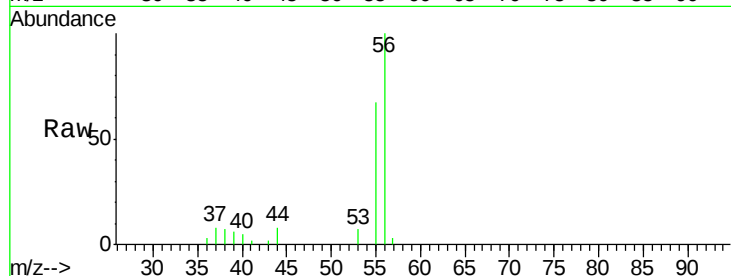
VN0206WBS01

Tot Ion: 56 Resp: 31291

Ion Ratio Lower Upper

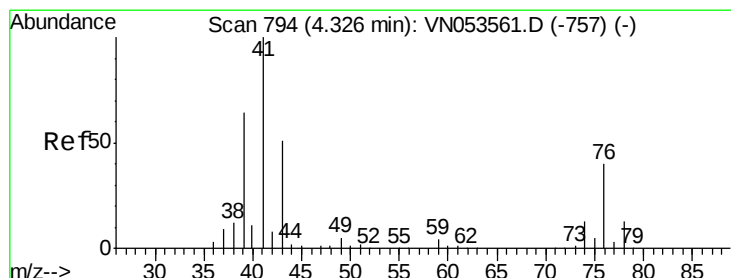
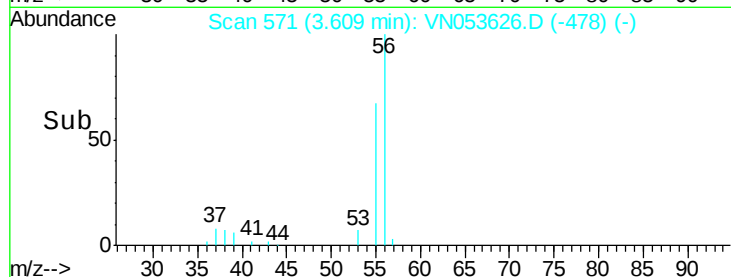
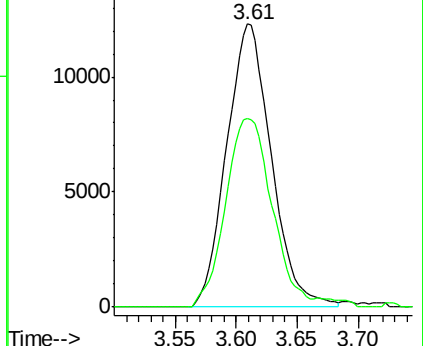
56 100

55 69.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.053 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

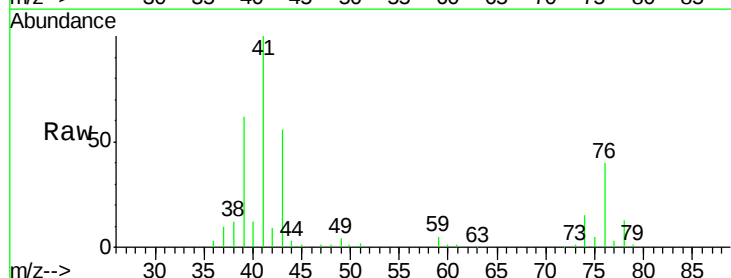
Tgt Ion: 41 Resp: 195917

Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

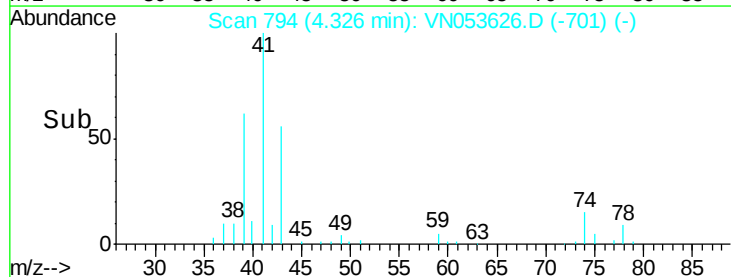
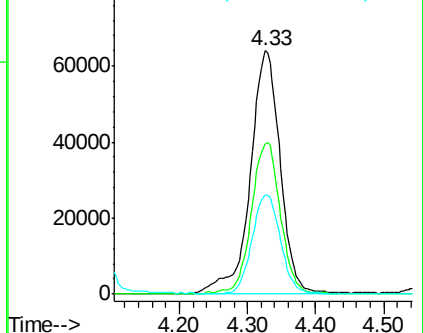
76 38.8 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 101.701 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

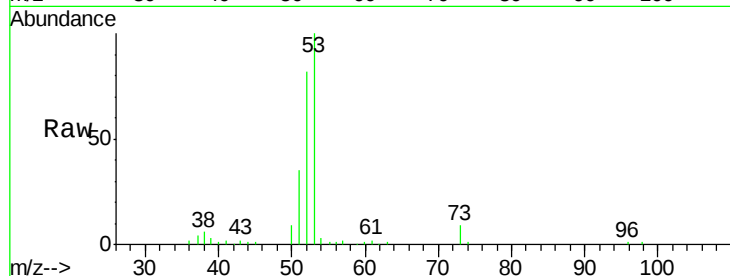
Tot Ion: 53 Resp: 227334

Ion Ratio Lower Upper

53 100

52 80.8 66.0 99.0

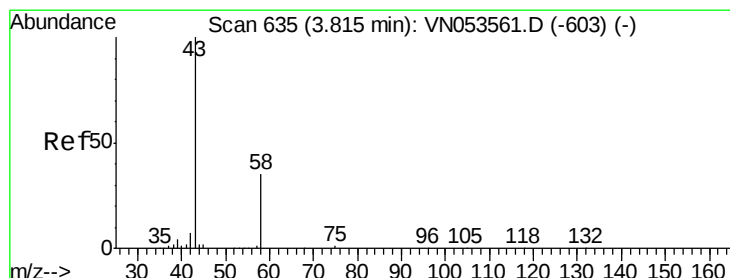
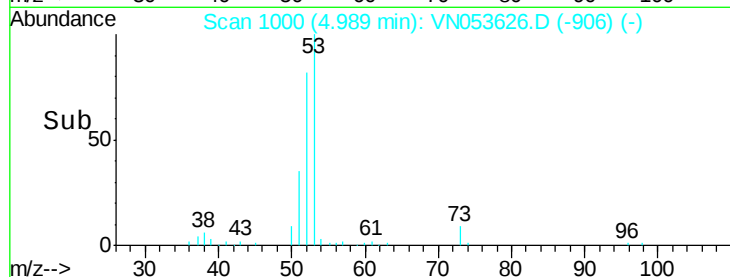
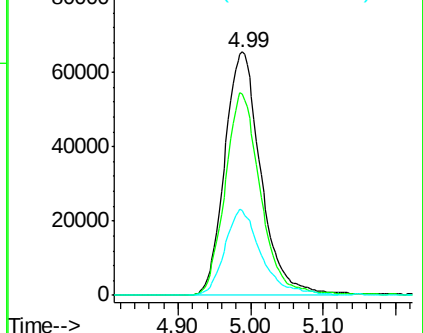
51 35.7 28.3 42.5



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: 100.563 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053626.D

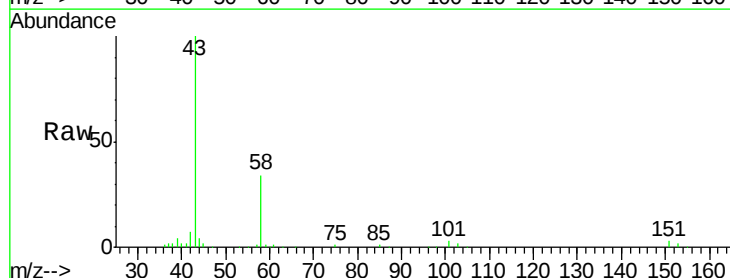
Acq: 6 Feb 2019 11:22

Tgt Ion: 43 Resp: 180469

Ion Ratio Lower Upper

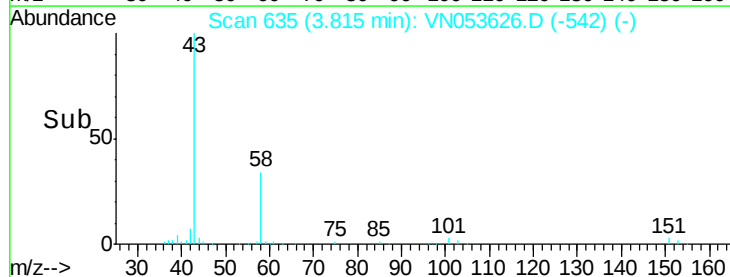
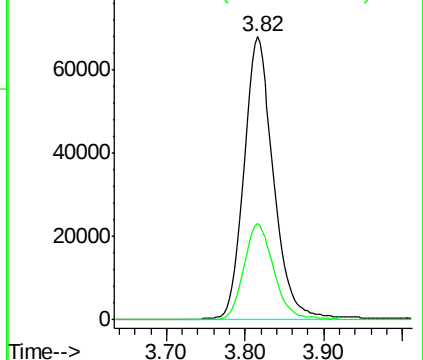
43 100

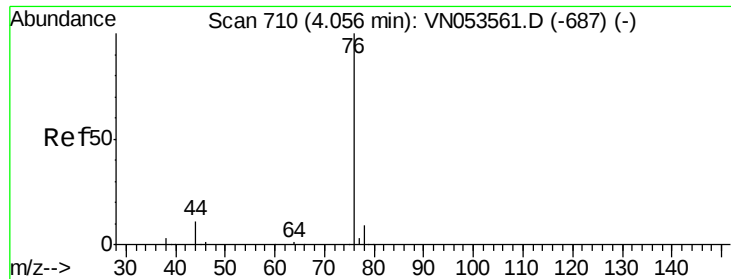
58 33.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

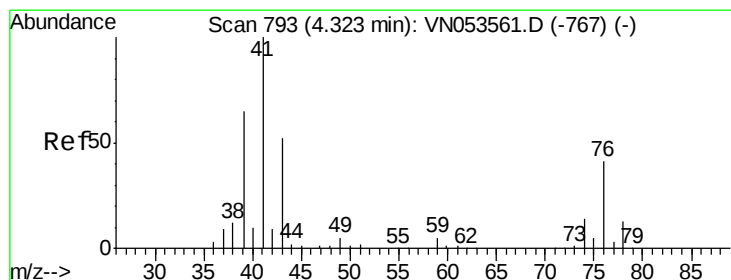
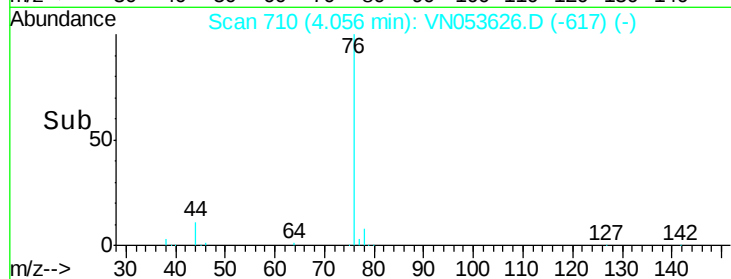
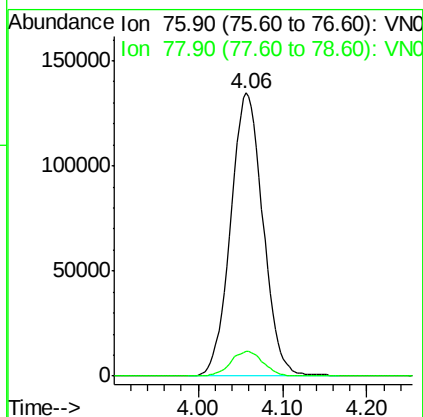
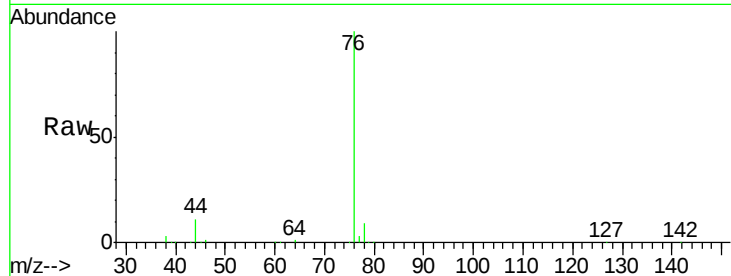




#17
Carbon Disulfide
Concen: 17.884 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

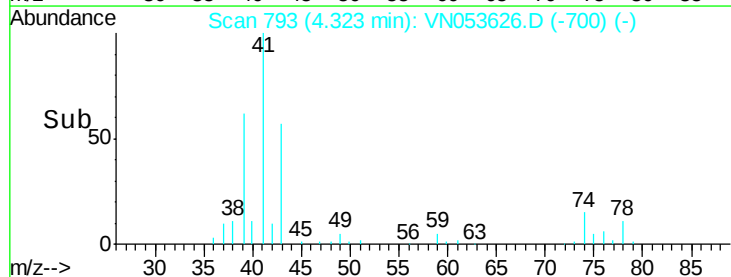
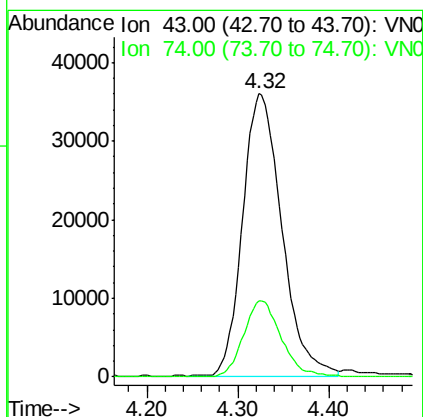
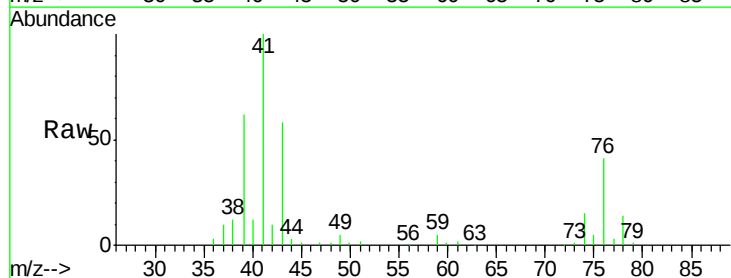
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

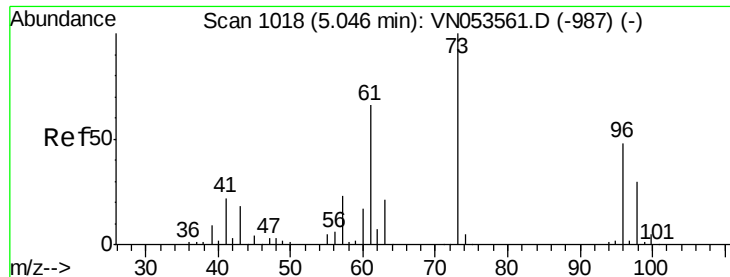
Tot Ion: 76 Resp: 359640
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 20.415 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 43 Resp: 108500
Ion Ratio Lower Upper
43 100
74 25.7 19.4 29.2

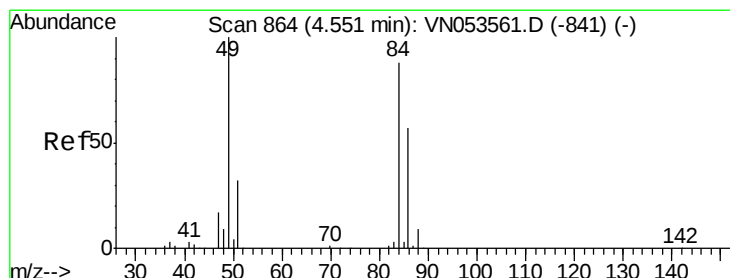
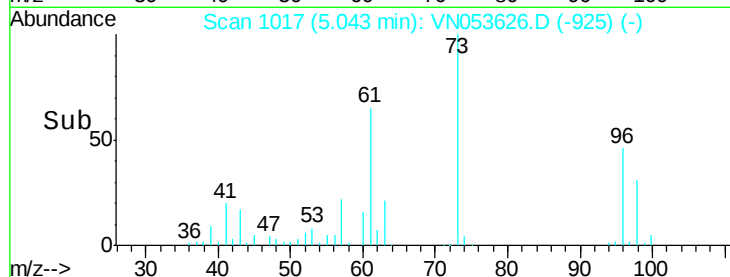
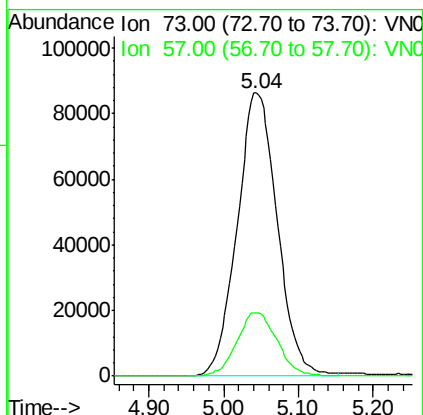
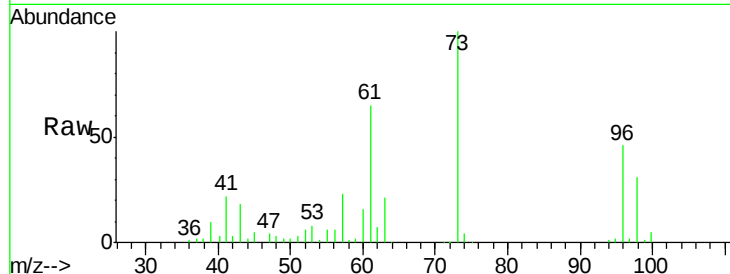




#19
Methyl tert-butyl Ether
Concen: 19.690 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

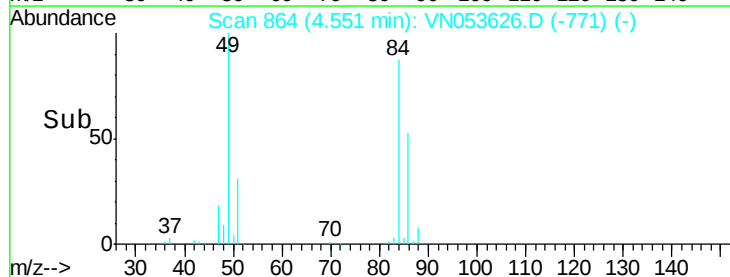
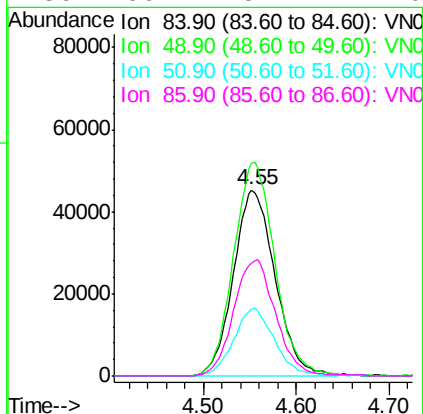
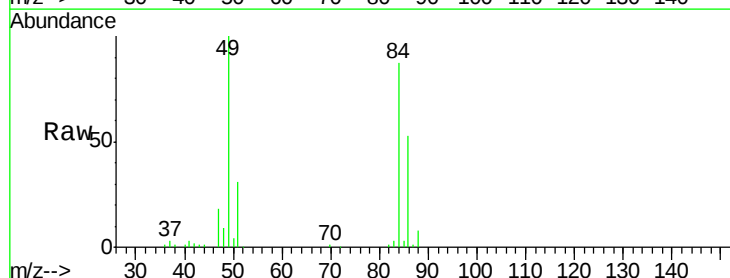
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

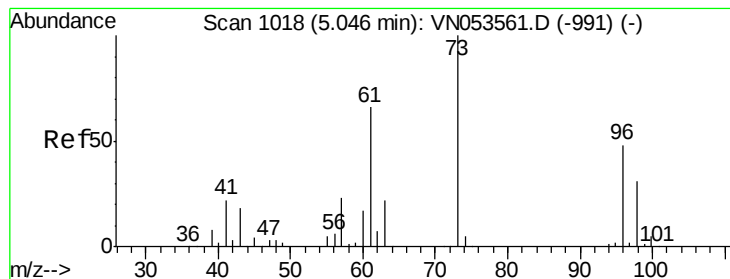
Tot Ion: 73 Resp: 322366
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 18.768 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 84 Resp: 141301
Ion Ratio Lower Upper
84 100
49 114.5 94.3 141.5
51 35.6 29.4 44.2
86 60.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.835 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

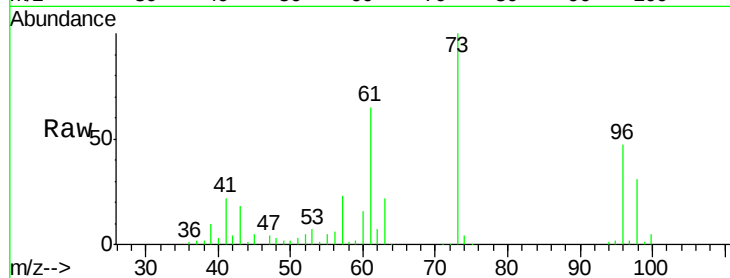
Tot Ion: 96 Resp: 131230

Ion Ratio Lower Upper

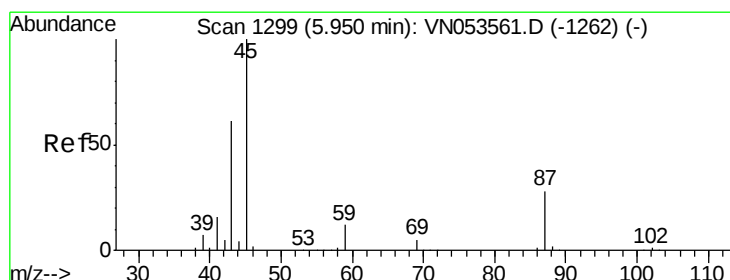
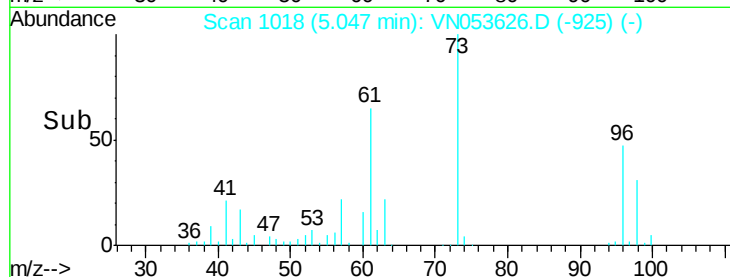
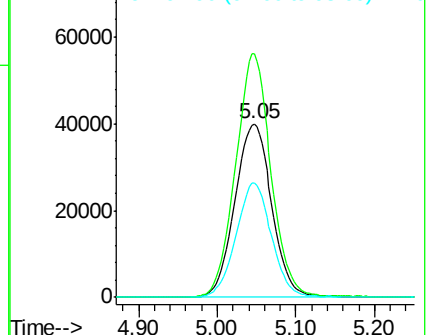
96 100

61 140.1 110.1 165.1

98 66.2 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: 19.310 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion: 45 Resp: 367912

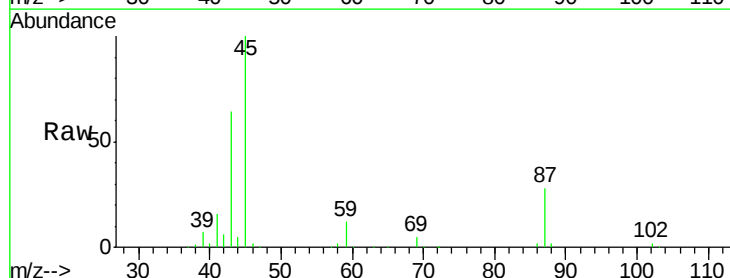
Ion Ratio Lower Upper

45 100

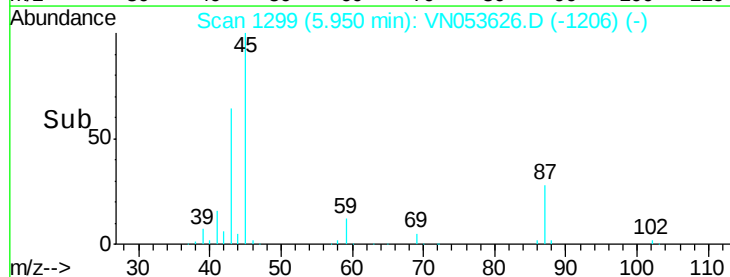
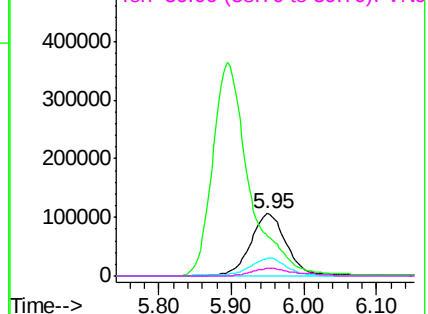
43 60.6 44.2 66.4

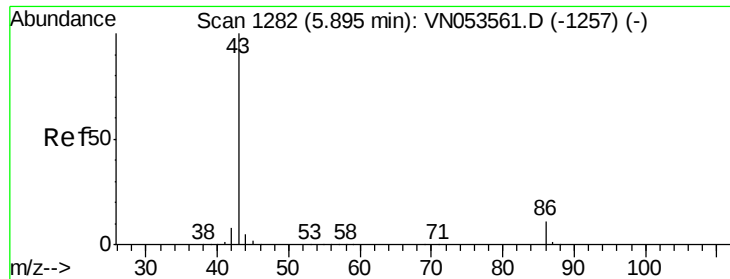
87 27.3 22.7 34.1

59 11.7 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

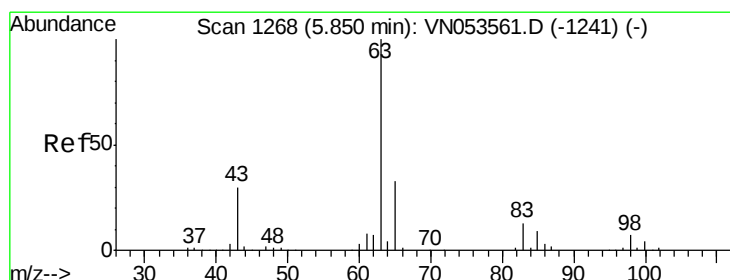
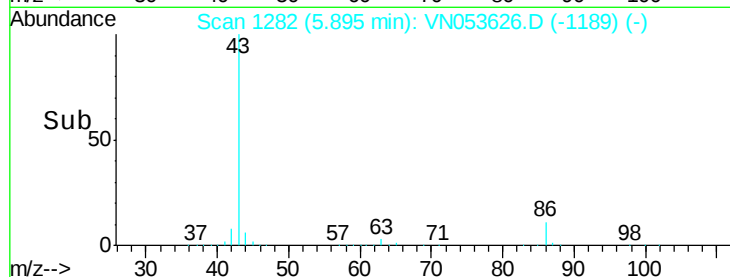
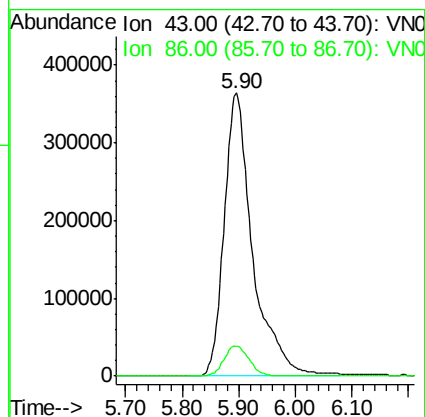
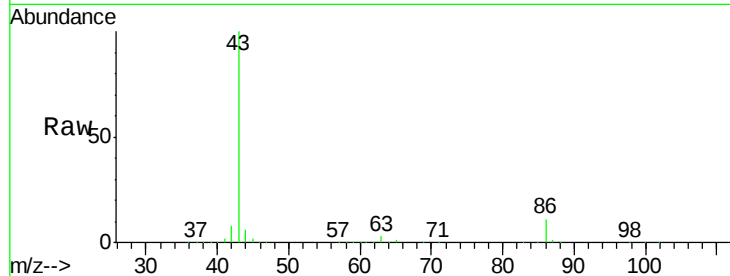




#23
 Vinyl Acetate
 Concen: 97.066 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

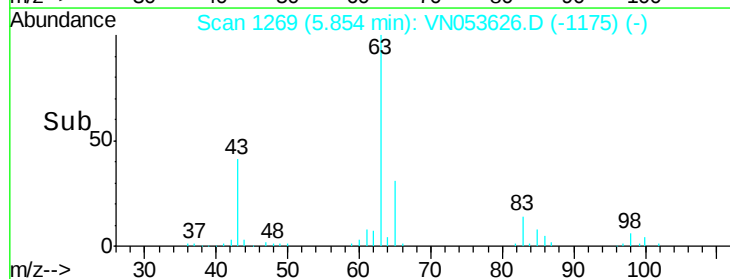
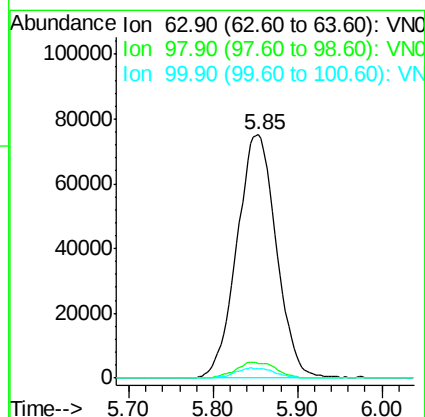
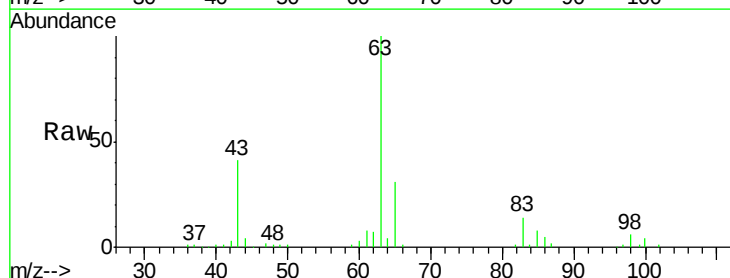
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

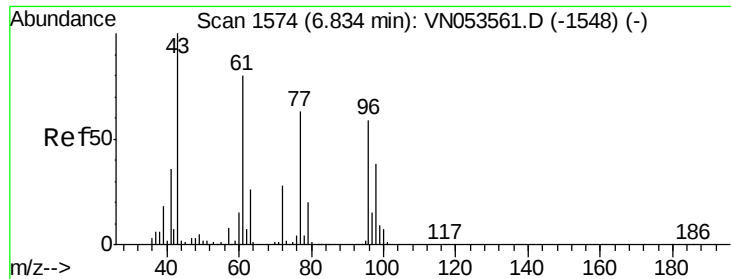
Tot Ion: 43 Resp: 1279398
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.213 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 63 Resp: 244162
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 3.9 2.1 6.5

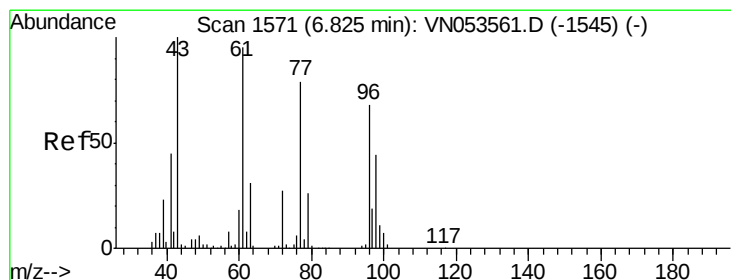
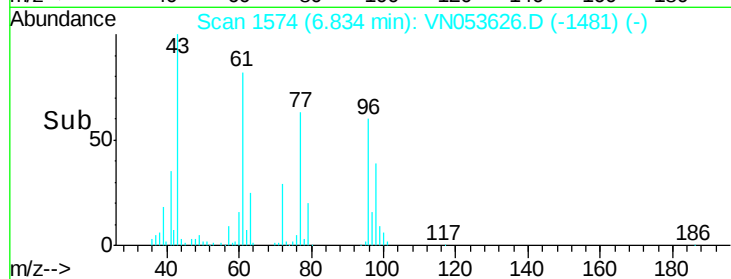
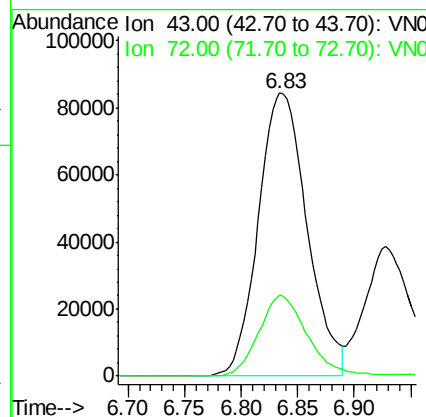
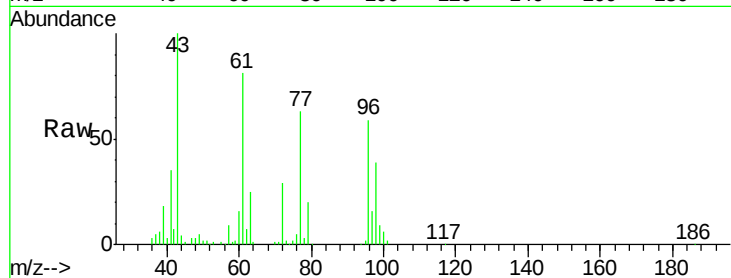




#25
2-Butanone
Concen: 98.034 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

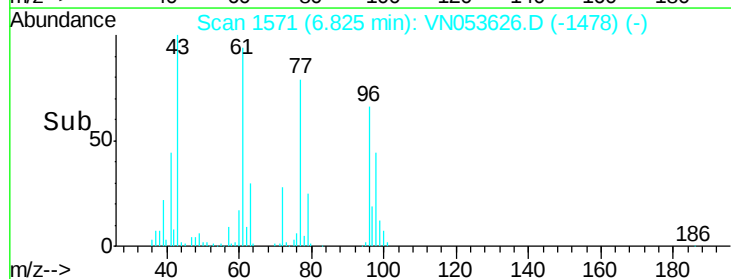
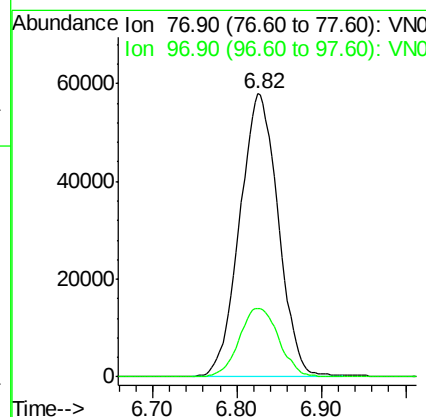
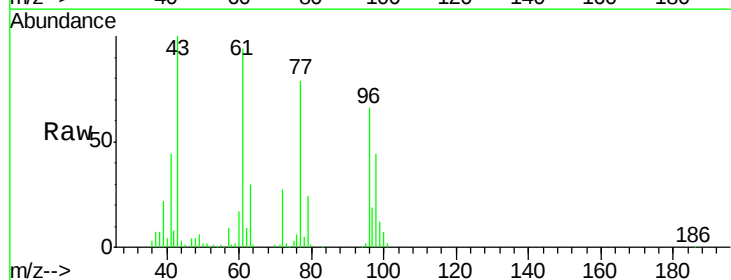
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

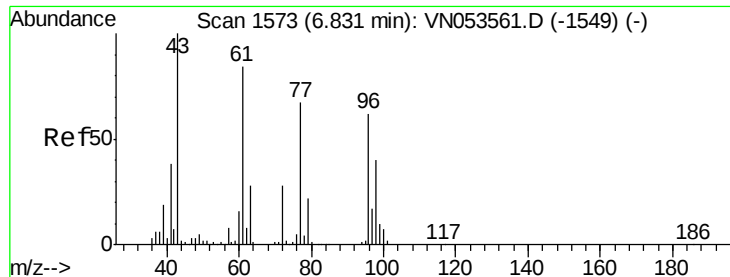
Tot Ion: 43 Resp: 250914
Ion Ratio Lower Upper
43 100
72 28.6 22.0 33.0



#26
2,2-Dichloropropane
Concen: 19.003 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 77 Resp: 184353
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.290 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

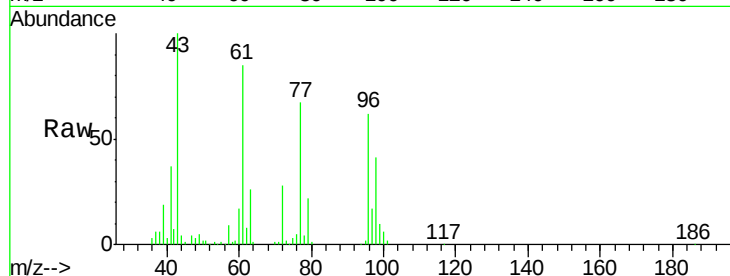
Tot Ion: 96 Resp: 149449

Ion Ratio Lower Upper

96 100

61 138.4 0.0 283.8

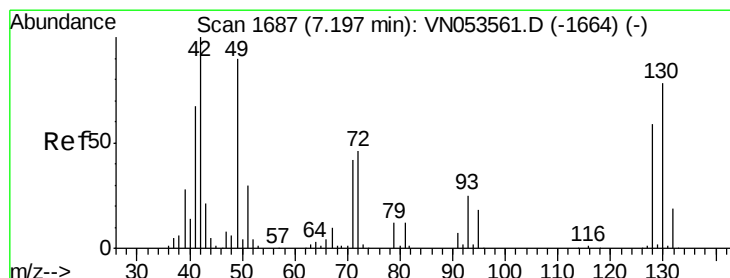
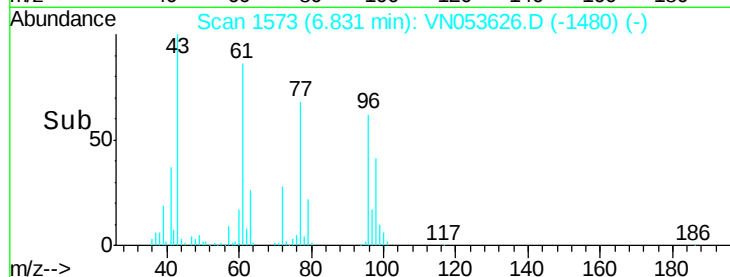
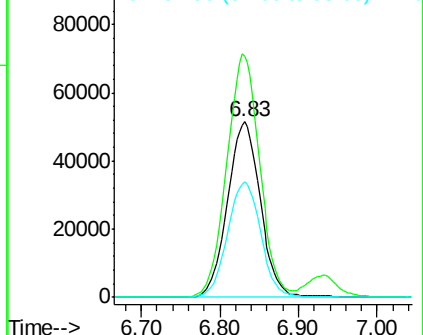
98 66.3 0.0 129.2



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: 19.313 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

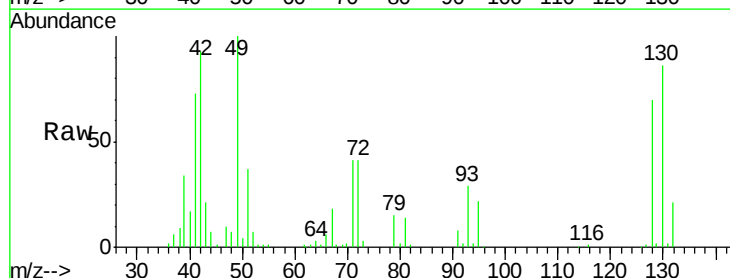
Tgt Ion: 49 Resp: 106508

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

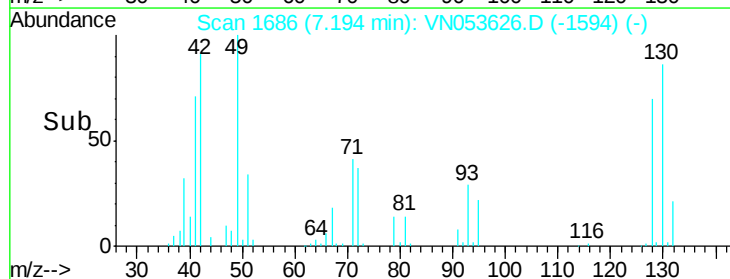
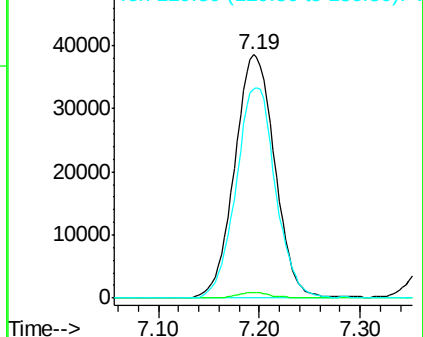
130 84.9 66.3 99.5

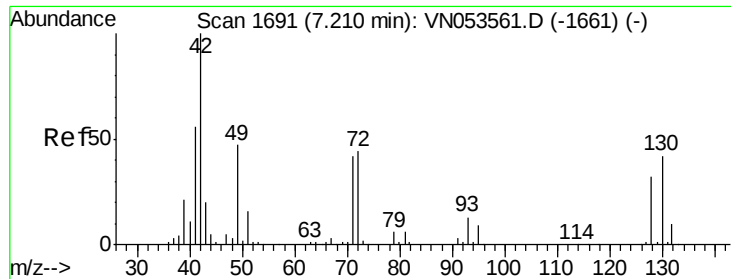


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

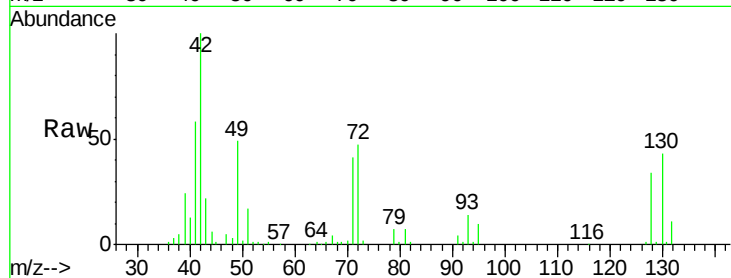




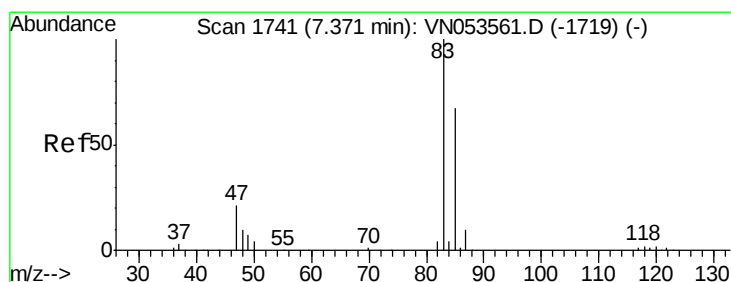
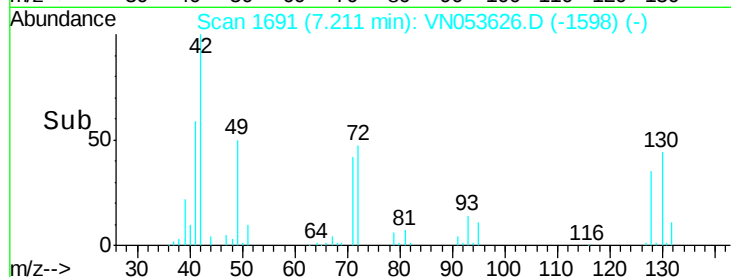
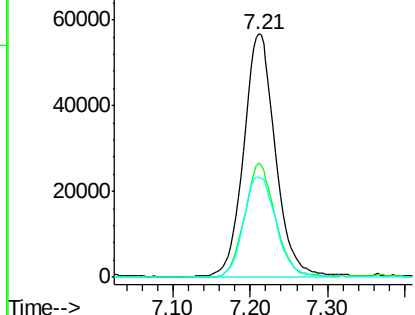
#29
Tetrahydrofuran
Concen: 99.294 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion: 42 Resp: 163190
Ion Ratio Lower Upper
42 100
72 45.4 35.2 52.8
71 42.7 33.0 49.4

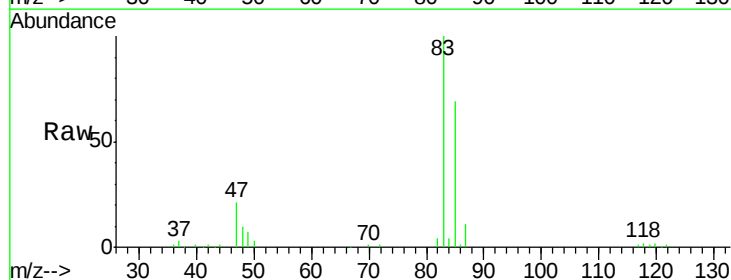


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

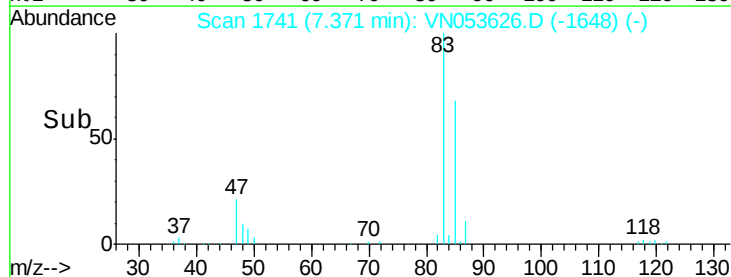
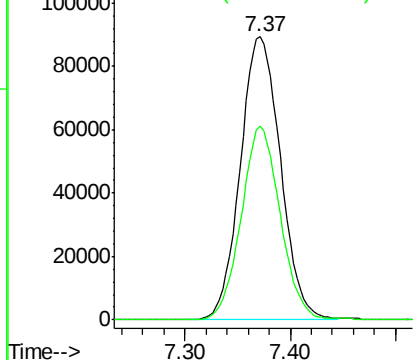


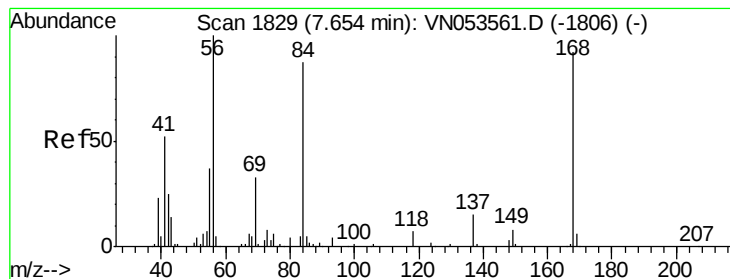
#30
Chloroform
Concen: 18.809 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 83 Resp: 236955
Ion Ratio Lower Upper
83 100
85 68.6 52.2 78.2



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





#31

Cyclohexane

Concen: 18.528 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

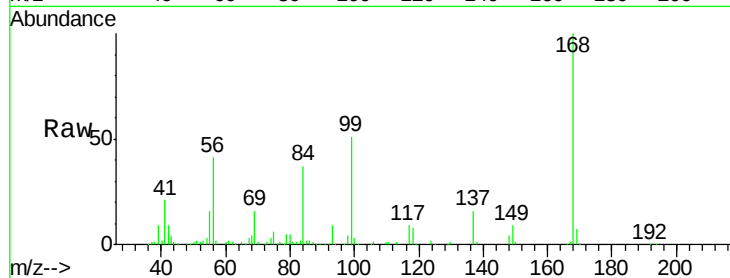
Tot Ion: 56 Resp: 220482

Ion Ratio Lower Upper

56 100

69 38.1 26.4 39.6

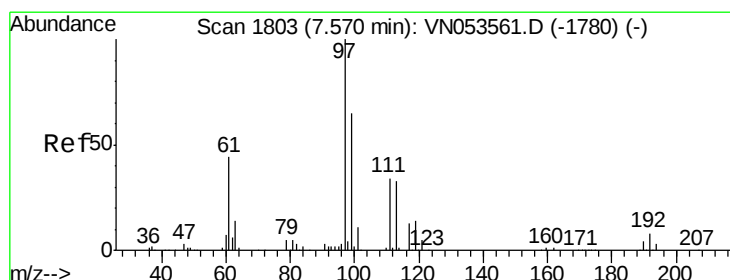
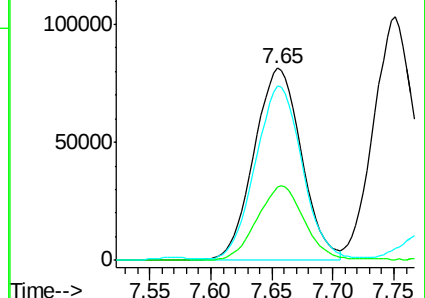
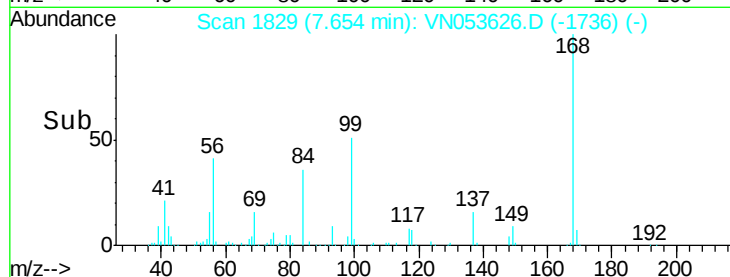
84 89.7 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.213 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

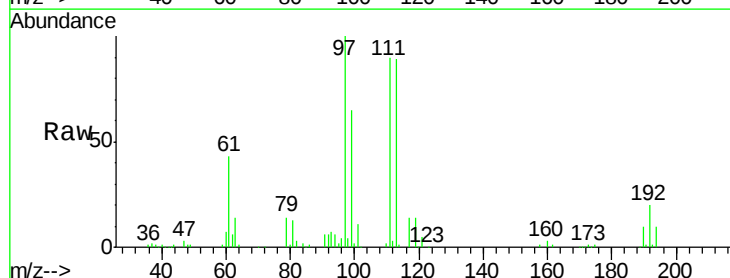
Tgt Ion: 97 Resp: 201426

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

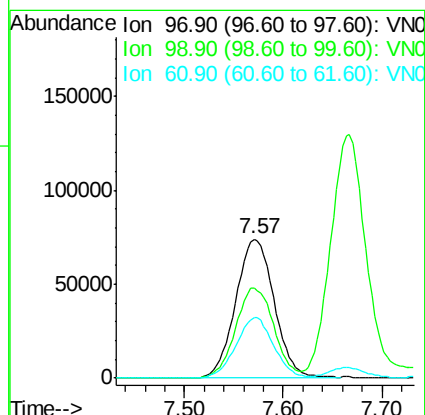
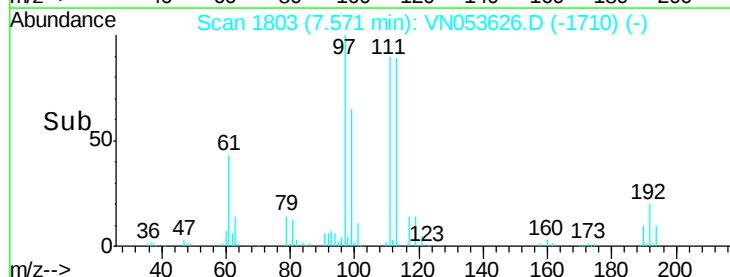
61 42.3 34.4 51.6

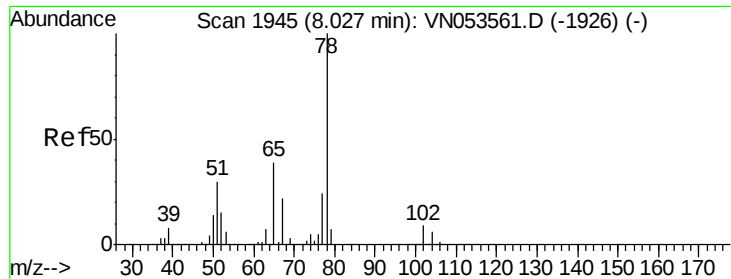


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.213 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

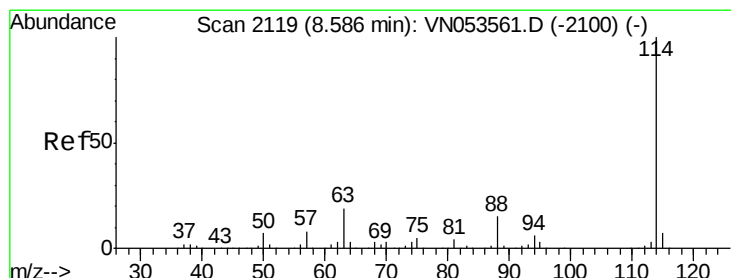
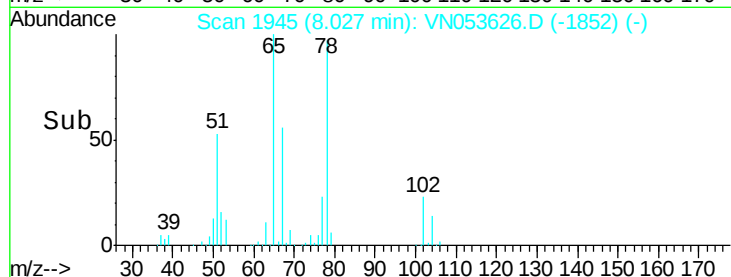
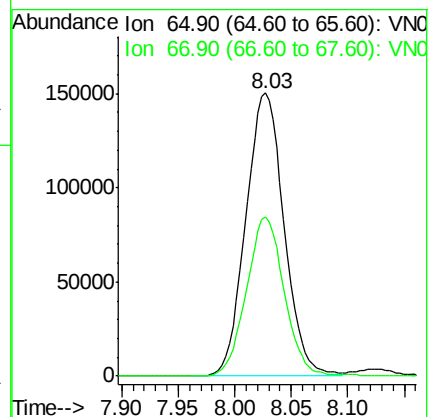
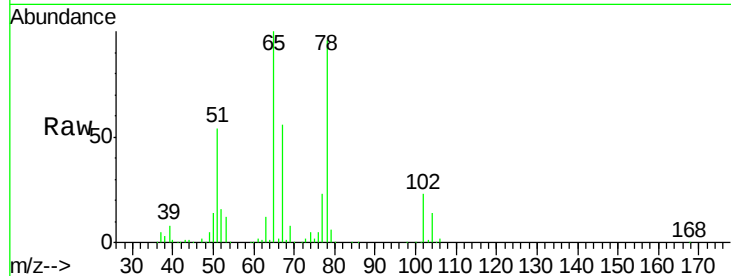
VN0206WBS01

Tot Ion: 65 Resp: 353635

Ion Ratio Lower Upper

65 100

67 55.8 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: VN053626.D

Acq: 6 Feb 2019 11:22

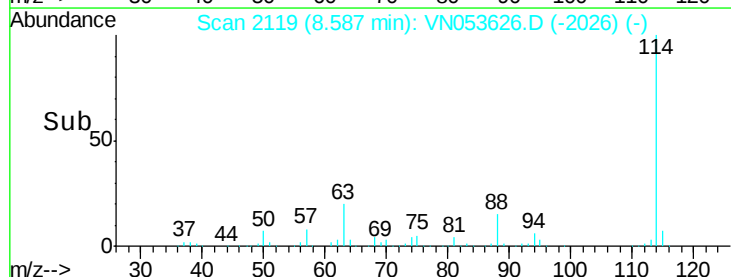
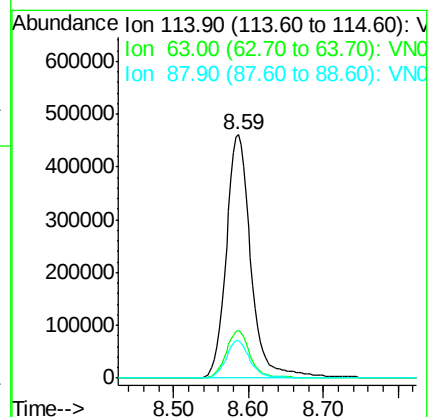
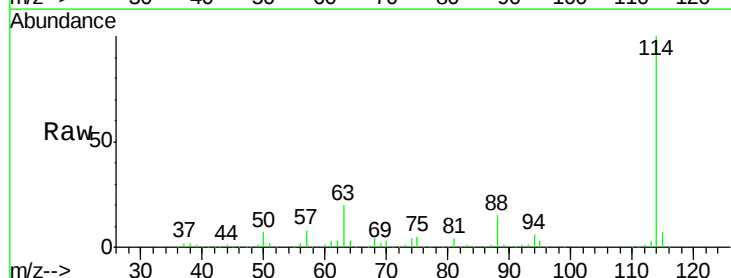
Tgt Ion: 114 Resp: 1049788

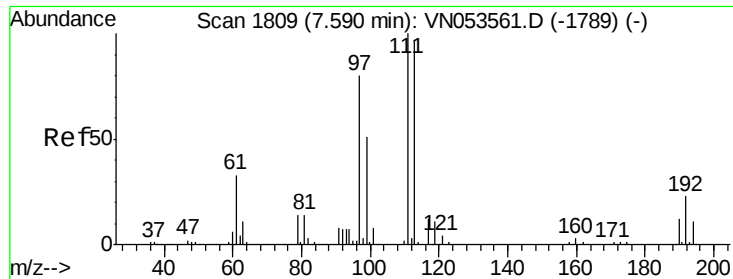
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.4 0.0 30.4

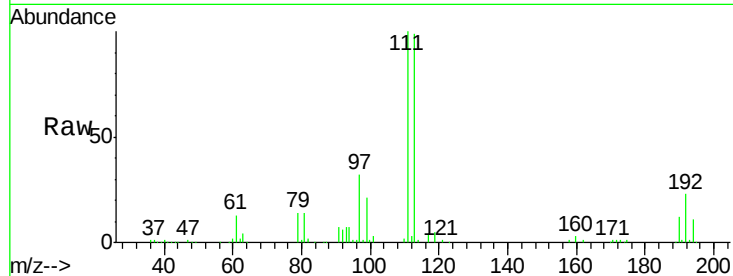




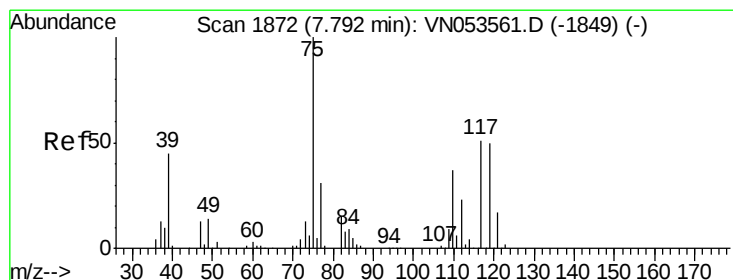
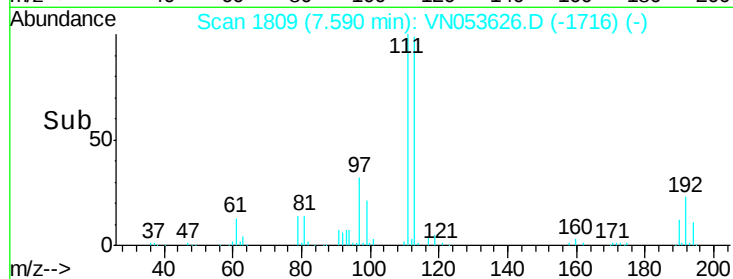
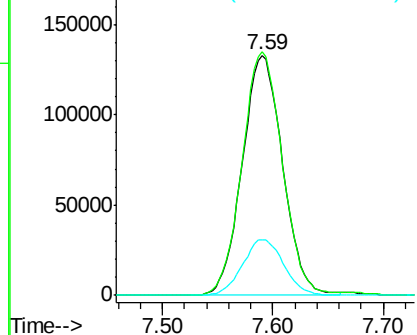
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion:113 Resp: 337055
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 23.7 18.2 27.2

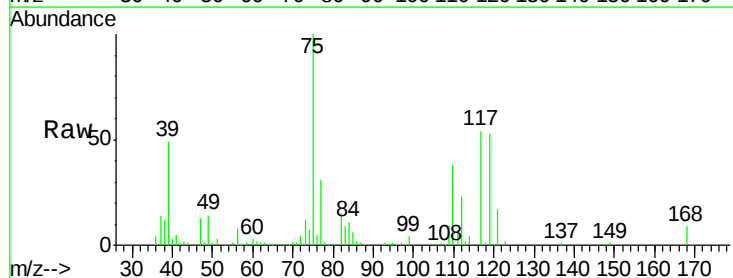


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

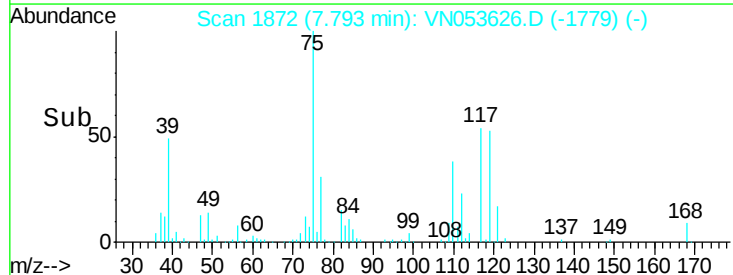
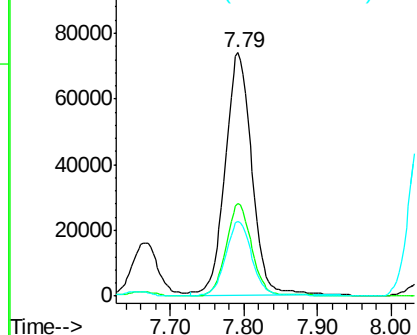


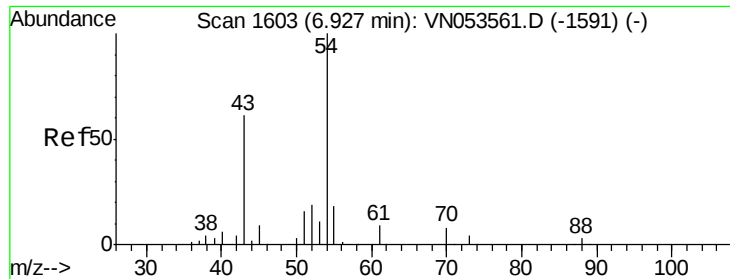
#36
 1,1-Dichloropropene
 Concen: 19.612 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 75 Resp: 185594
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.3
 77 30.3 25.1 37.7



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

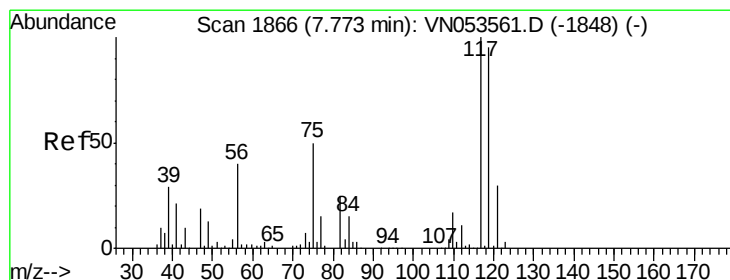
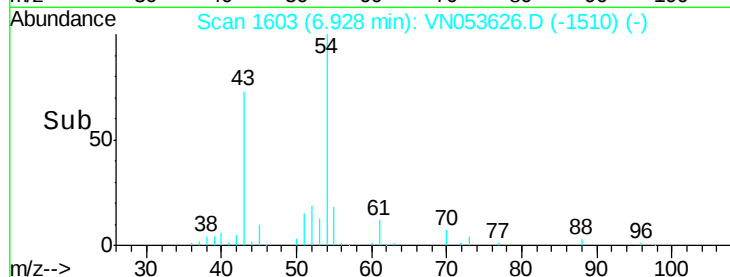
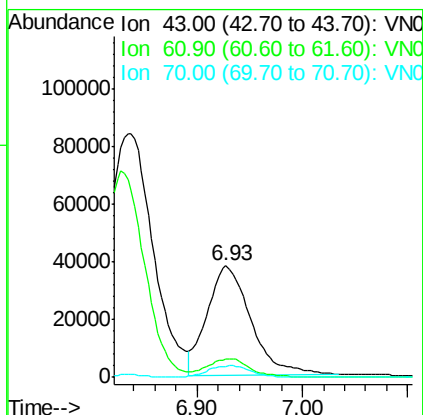
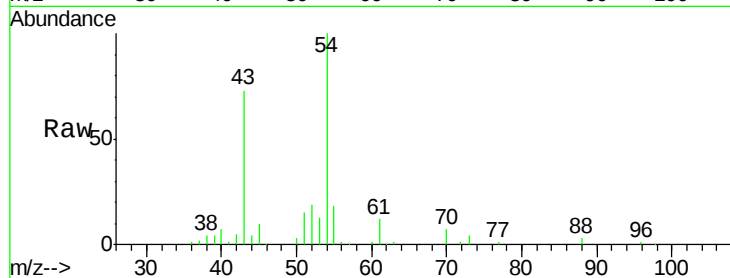




#37
Ethyl Acetate
Concen: 20.701 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

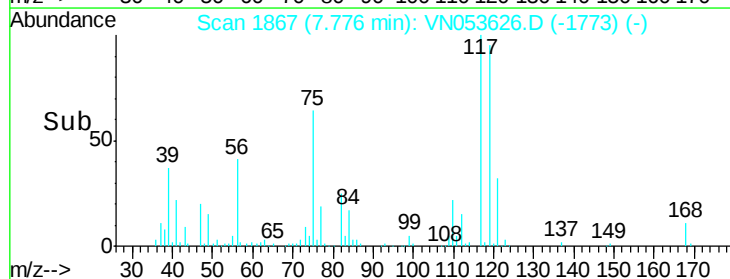
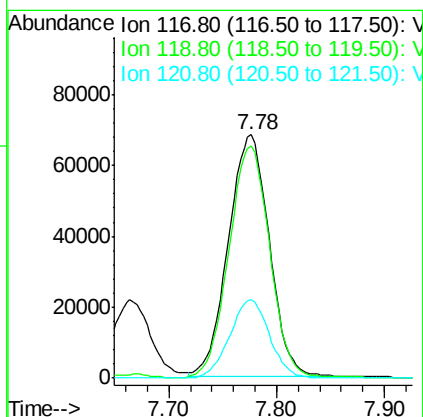
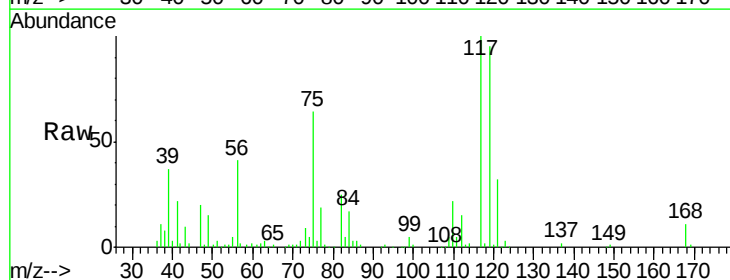
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion: 43 Resp: 109409
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.910 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 117 Resp: 180267
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 32.4 24.6 37.0

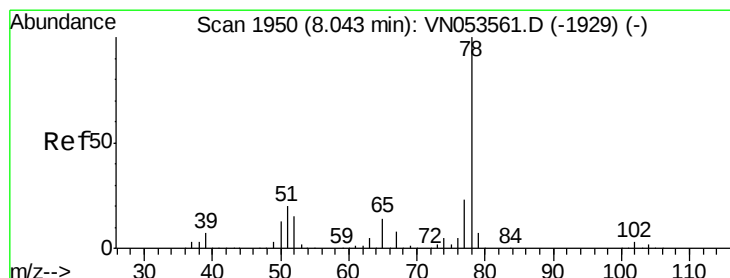
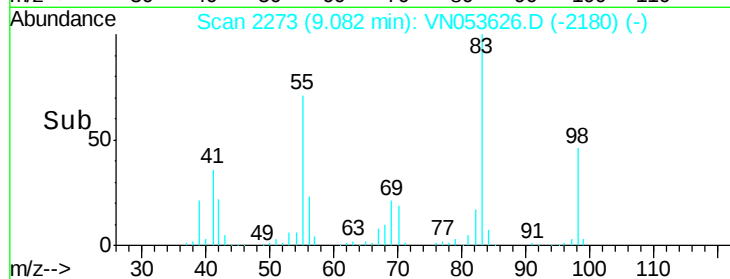
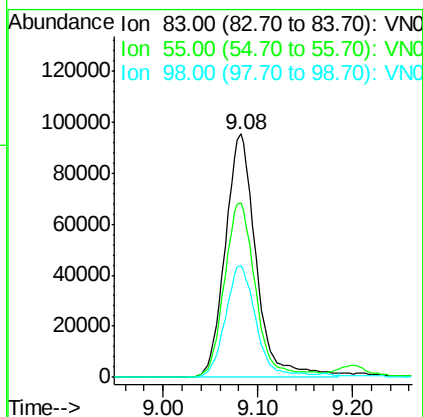
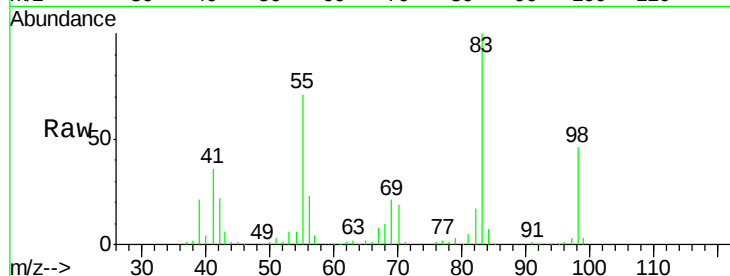




#39
Methvlcvclohexane
Concen: 19.247 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

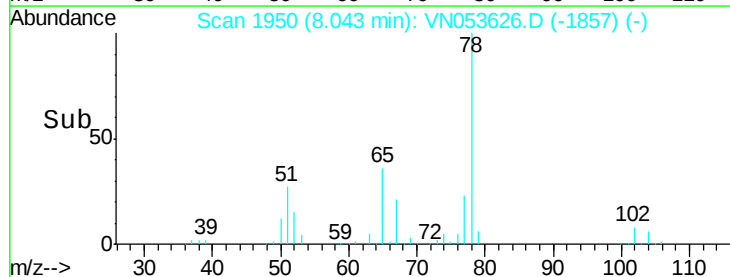
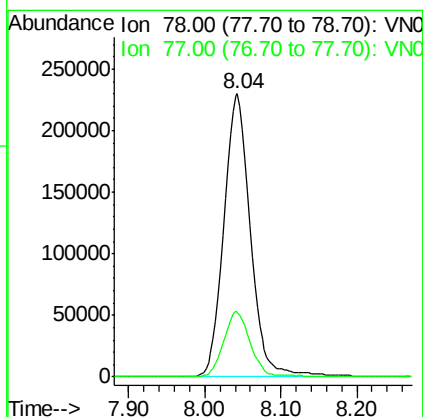
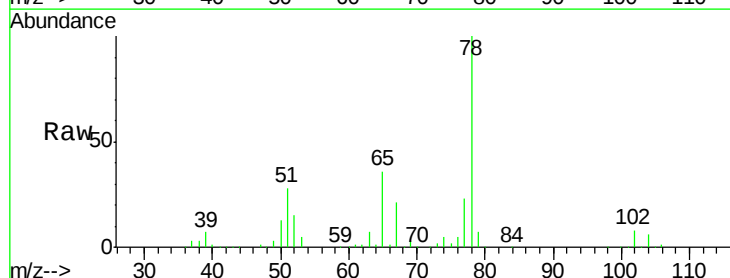
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

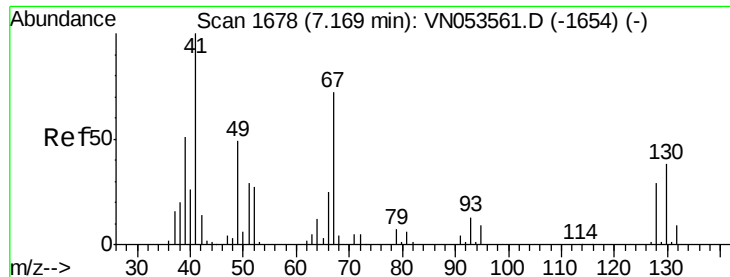
Tot Ion: 83 Resp: 216088
Ion Ratio Lower Upper
83 100
55 71.4 60.1 90.1
98 45.9 36.6 55.0



#40
Benzene
Concen: 19.235 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 78 Resp: 561316
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

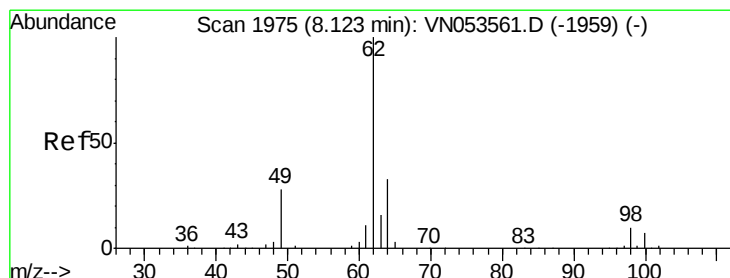
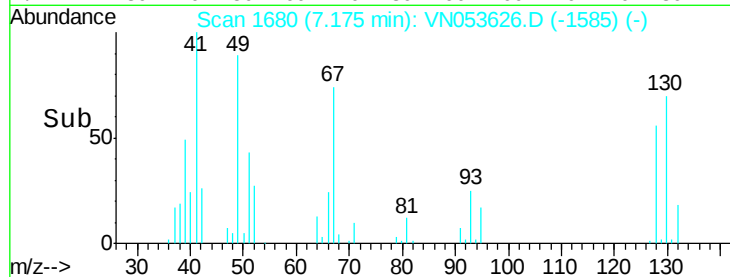
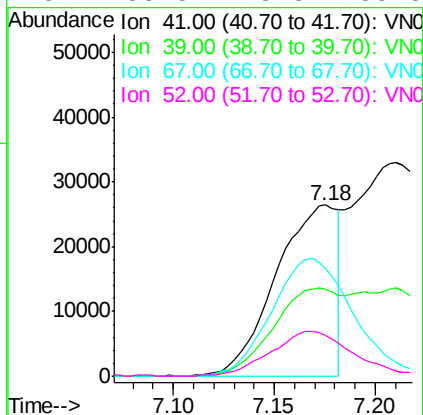
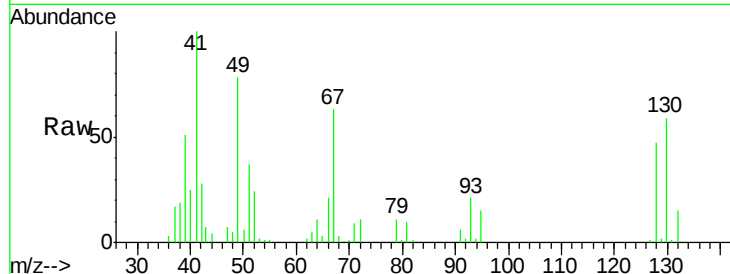




#41
Methacrylonitrile
Concen: 19.011 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

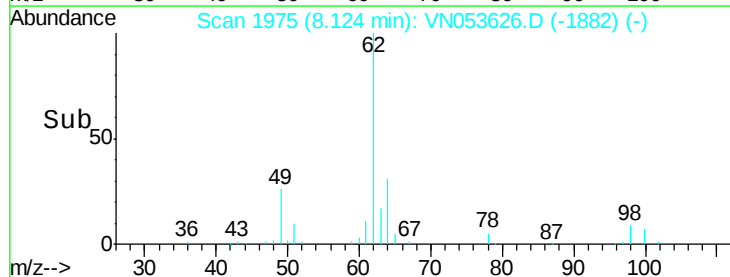
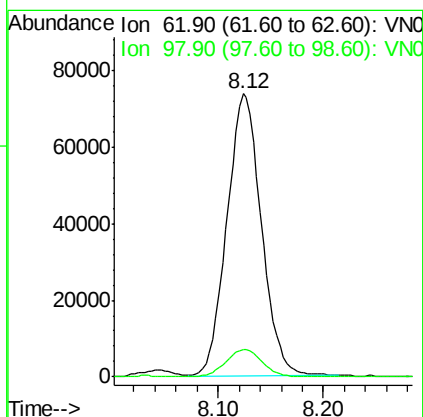
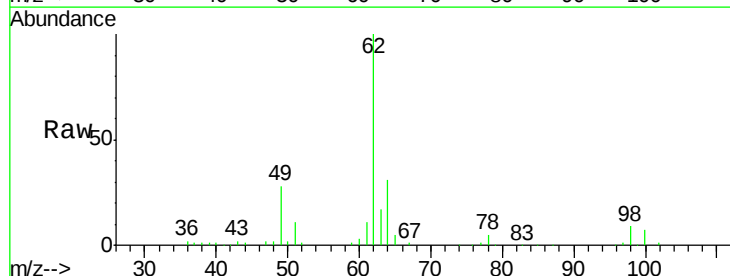
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

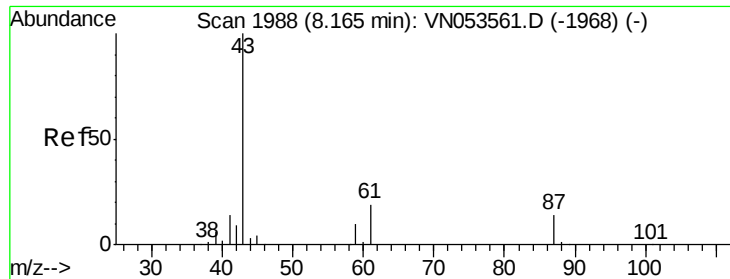
Tot Ion: 41 Resp: 56156
Ion Ratio Lower Upper
41 100
39 56.8 46.8 70.2
67 91.4 63.0 94.6
52 35.8 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.281 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 62 Resp: 167066
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 18.103 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

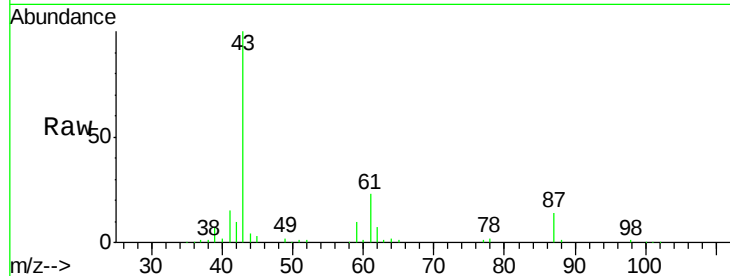
Tot Ion: 43 Resp: 184779

Ion Ratio Lower Upper

43 100

61 30.6 23.9 35.9

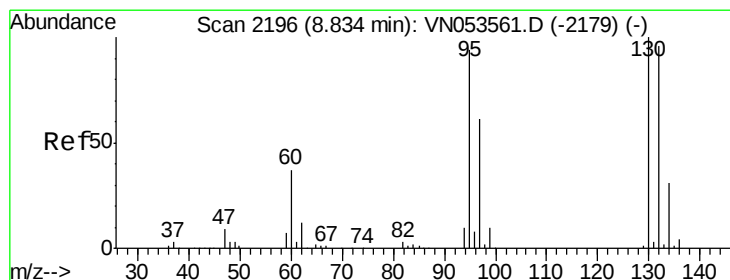
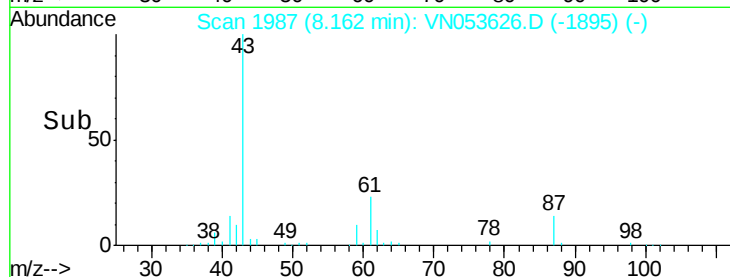
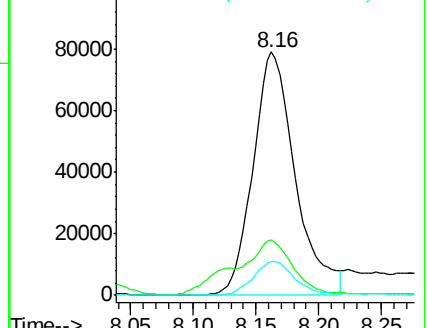
87 14.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 18.732 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053626.D

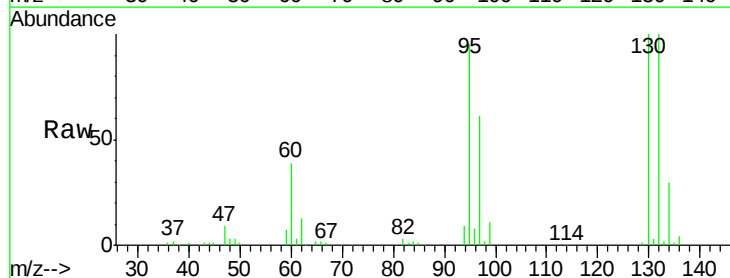
Acq: 6 Feb 2019 11:22

Tgt Ion:130 Resp: 155628

Ion Ratio Lower Upper

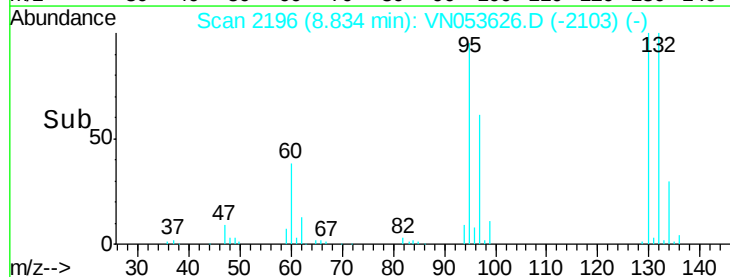
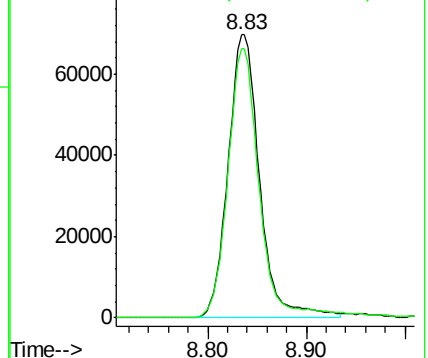
130 100

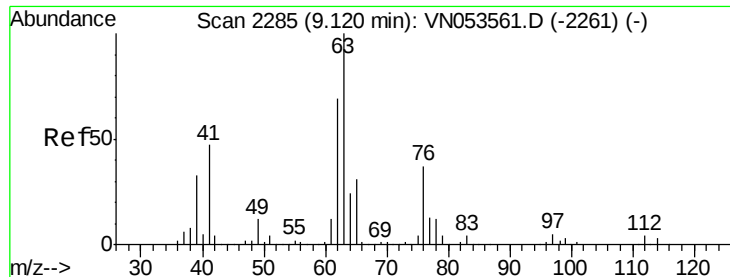
95 95.3 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.631 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

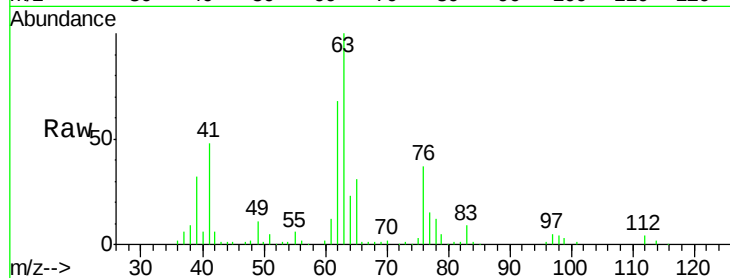
VN0206WBS01

Tot Ion: 63 Resp: 146525

Ion Ratio Lower Upper

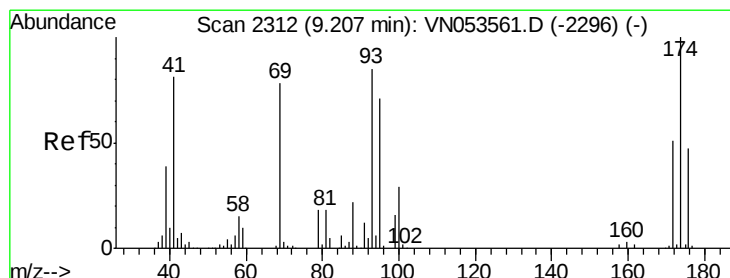
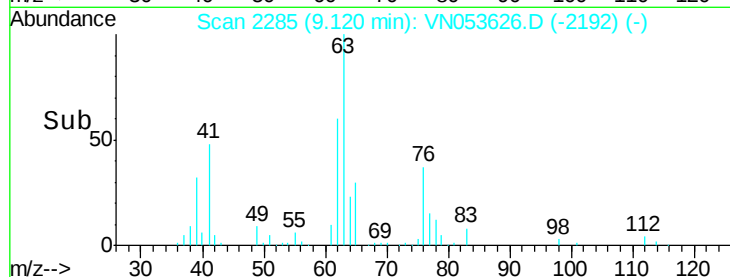
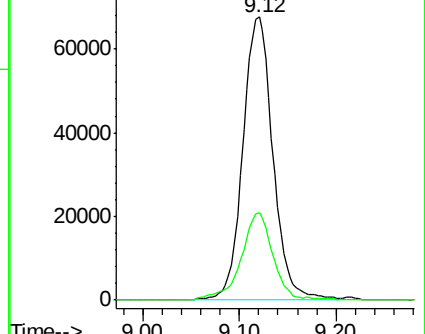
63 100

65 30.5 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: 19.040 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

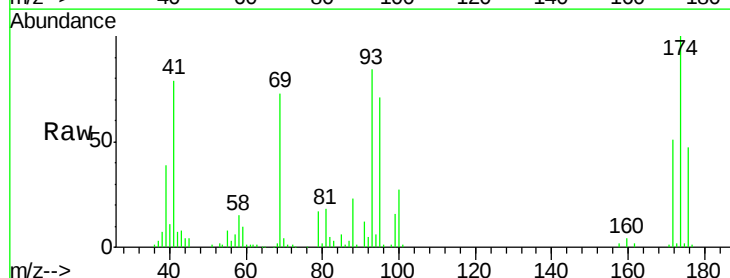
Tgt Ion: 93 Resp: 85669

Ion Ratio Lower Upper

93 100

95 83.7 67.3 100.9

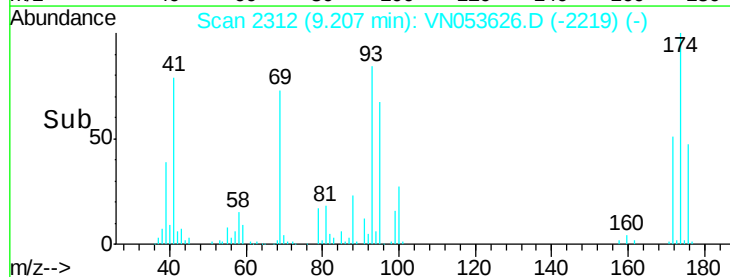
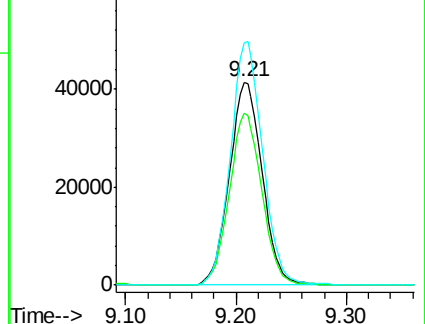
174 117.8 91.0 136.4

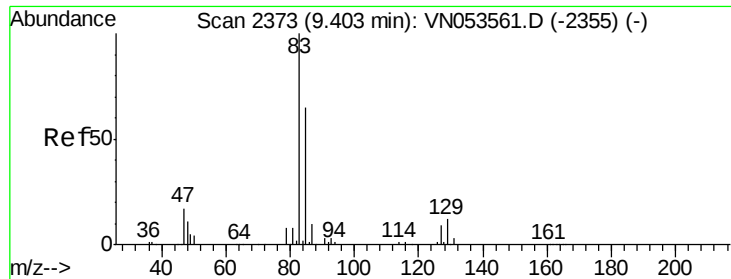


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

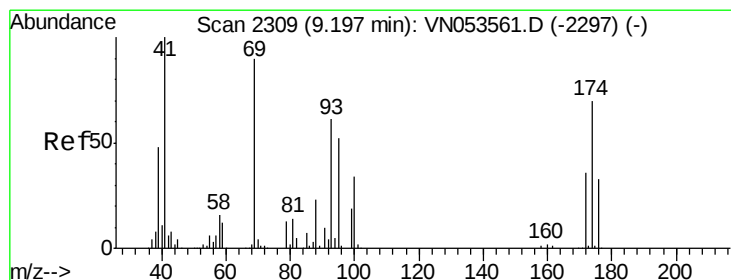
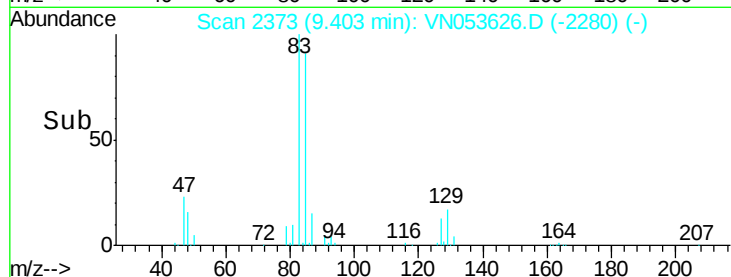
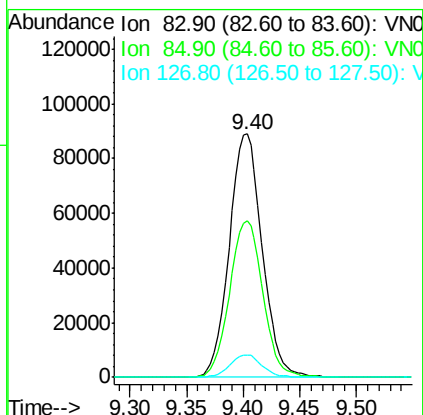
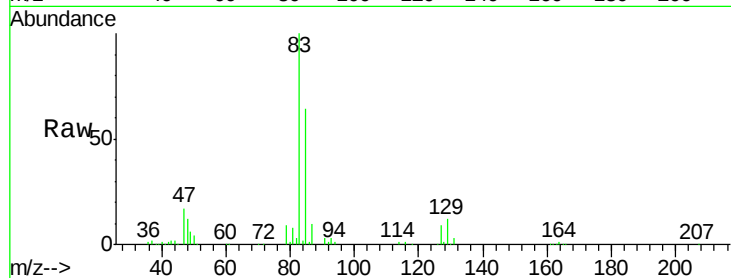




#47
 Bromodichloromethane
 Concen: 19.316 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

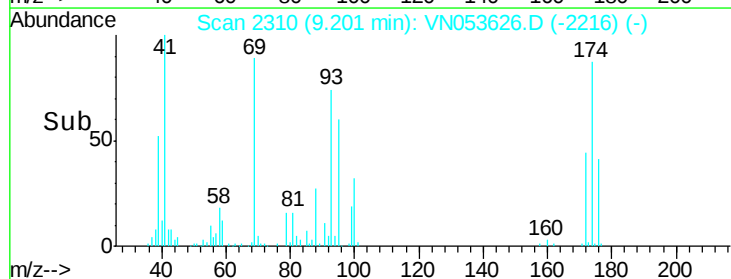
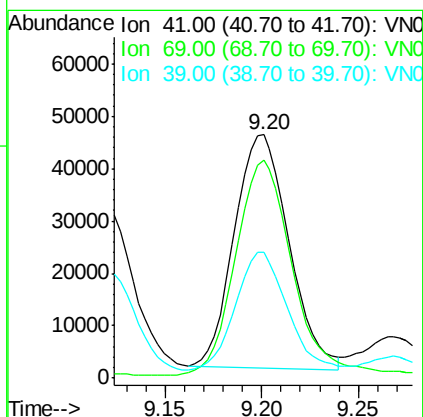
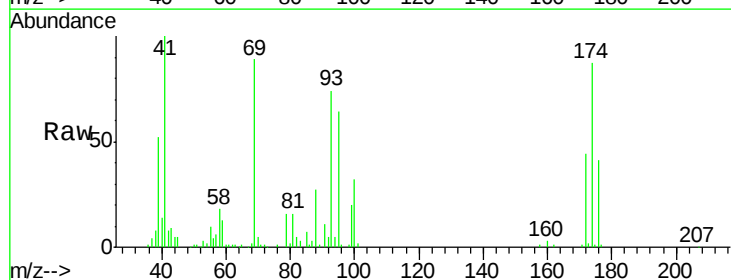
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

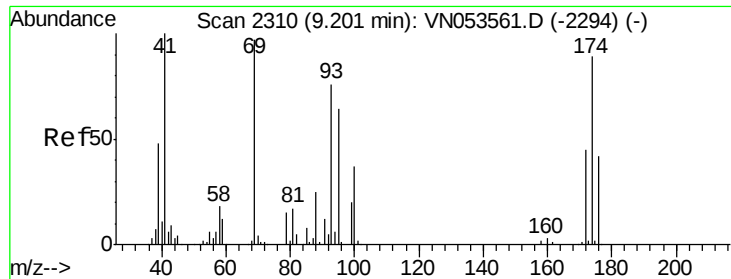
Tot Ion: 83 Resp: 180707
 Ion Ratio Lower Upper
 83 100
 85 64.1 51.0 76.6
 127 9.1 7.0 10.6



#48
 Methyl methacrylate
 Concen: 17.966 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 41 Resp: 87534
 Ion Ratio Lower Upper
 41 100
 69 100.5 73.8 110.6
 39 55.4 40.0 60.0





#49

1,4-Dioxane

Concen: 409.954 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

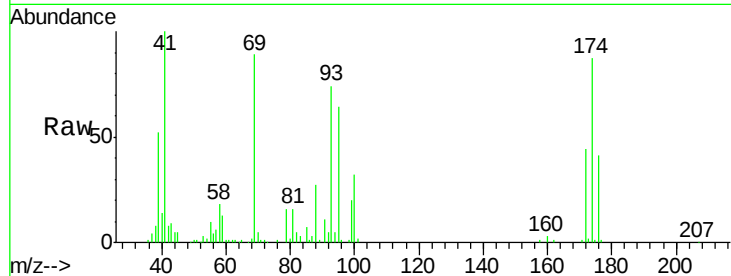
Tot Ion: 88 Resp: 27247

Ion Ratio Lower Upper

88 100

43 31.0 27.8 41.6

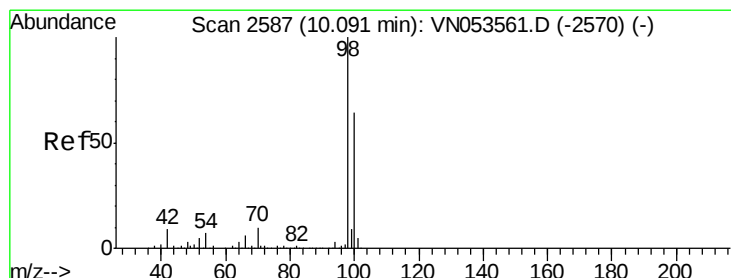
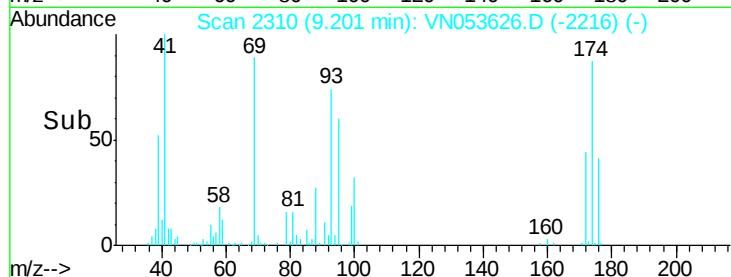
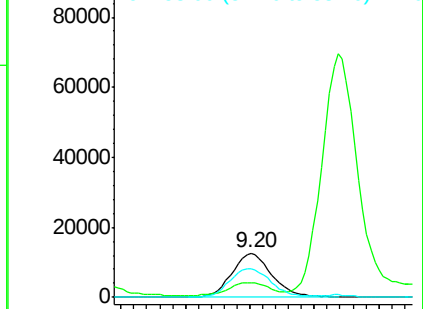
58 67.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053626.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053626.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053626.D (-2216) (-)



#50

Toluene-d8

Concen: 409.954 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053626.D

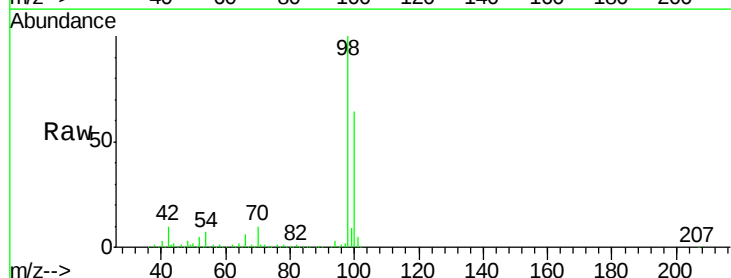
Acq: 6 Feb 2019 11:22

Tgt Ion: 98 Resp: 1258974

Ion Ratio Lower Upper

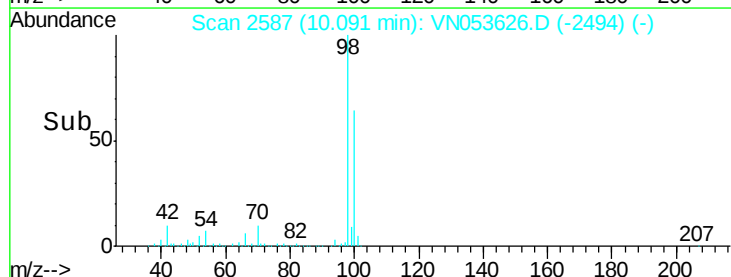
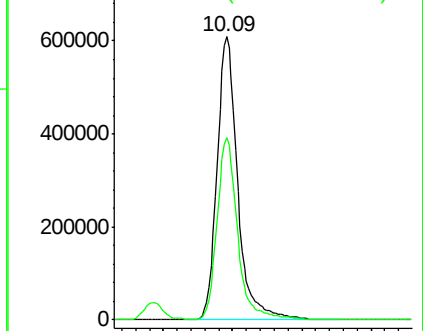
98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053626.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053626.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.960 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

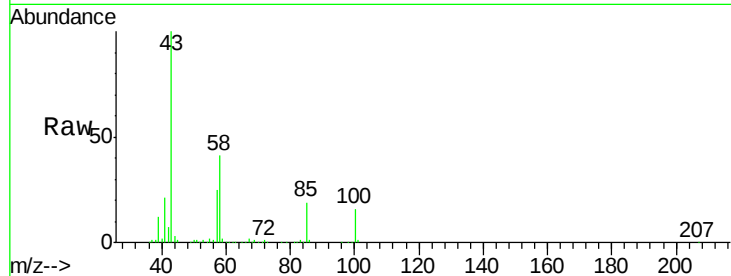
VN0206WBS01

Tot Ion: 43 Resp: 516414

Ion Ratio Lower Upper

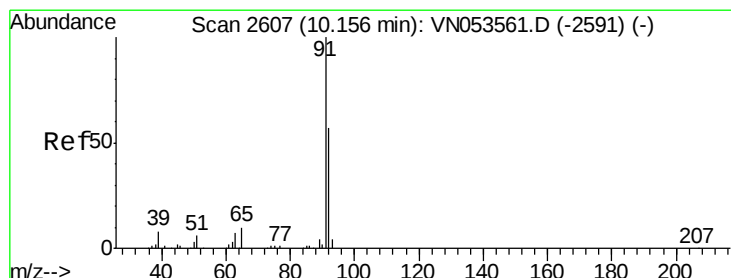
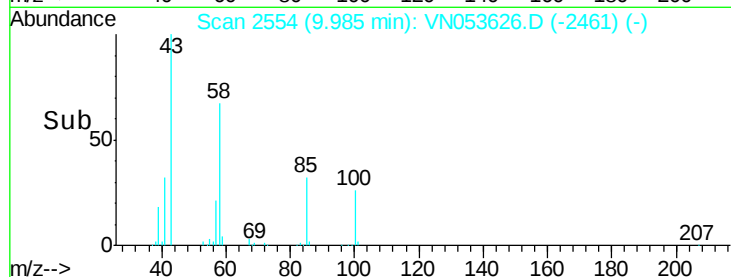
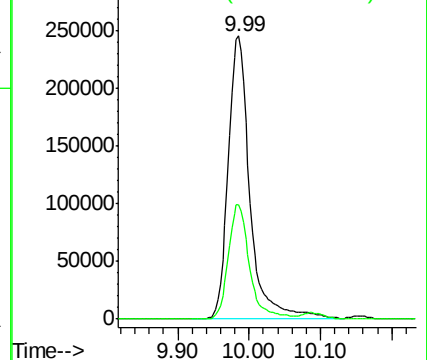
43 100

58 39.6 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.531 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053626.D

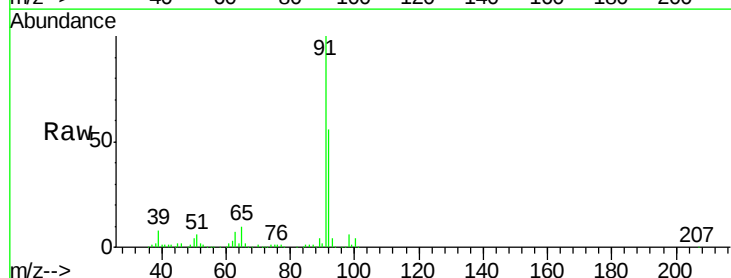
Acq: 6 Feb 2019 11:22

Tgt Ion: 92 Resp: 338258

Ion Ratio Lower Upper

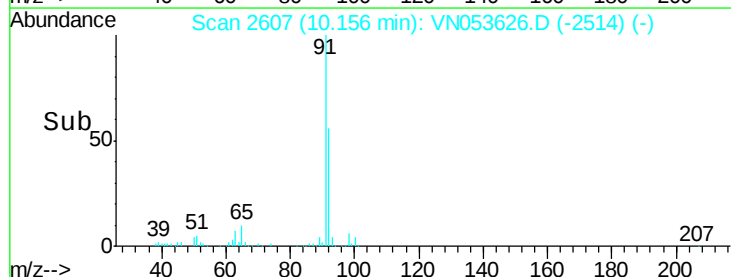
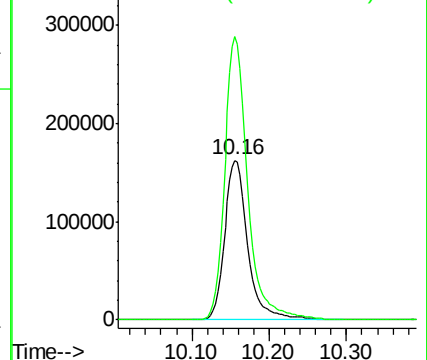
92 100

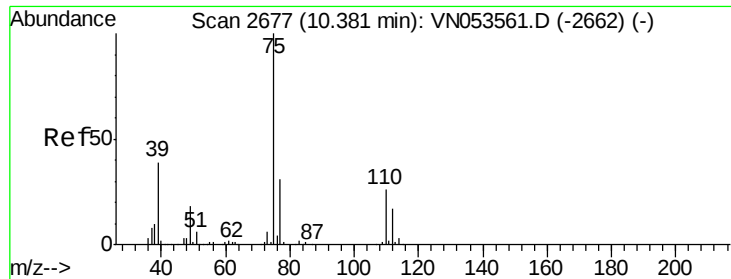
91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.865 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

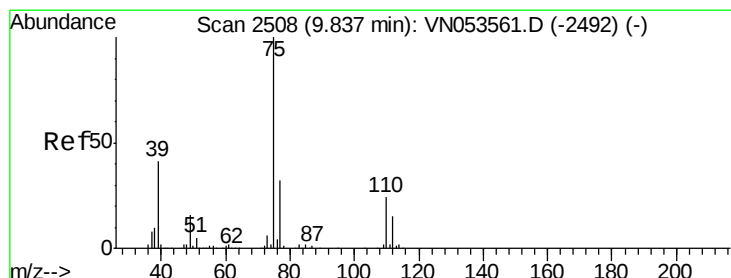
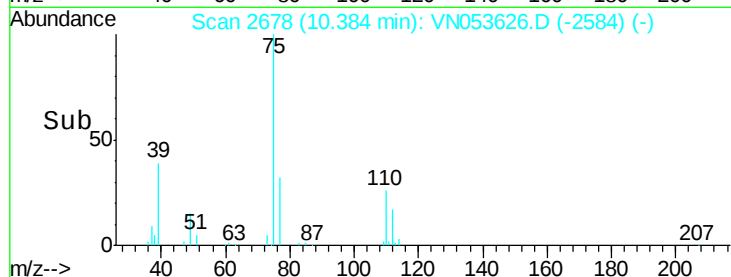
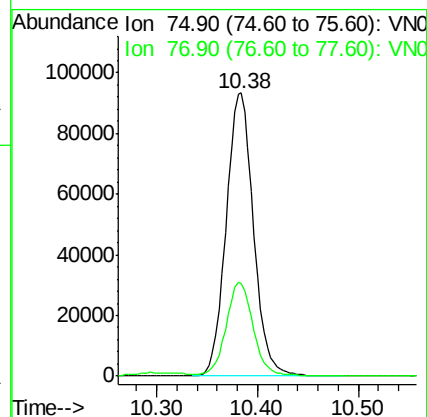
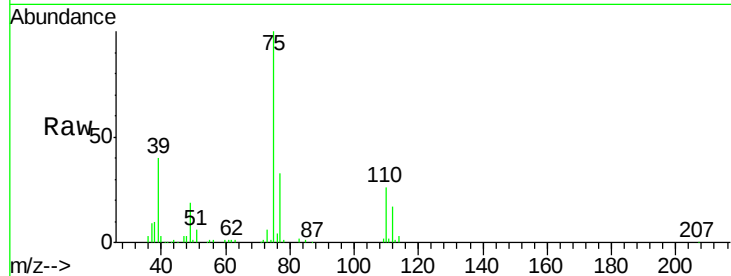
VN0206WBS01

Tot Ion: 75 Resp: 176721

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.008 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

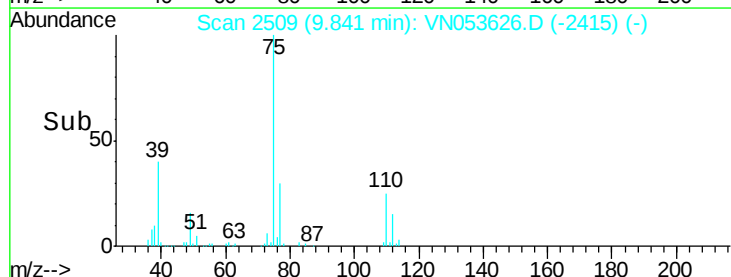
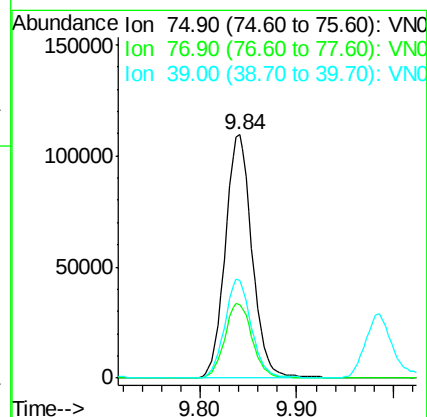
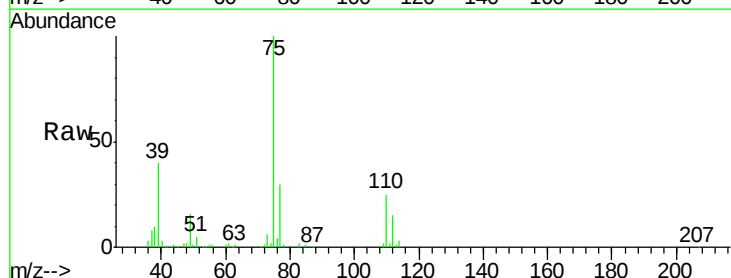
Tgt Ion: 75 Resp: 211006

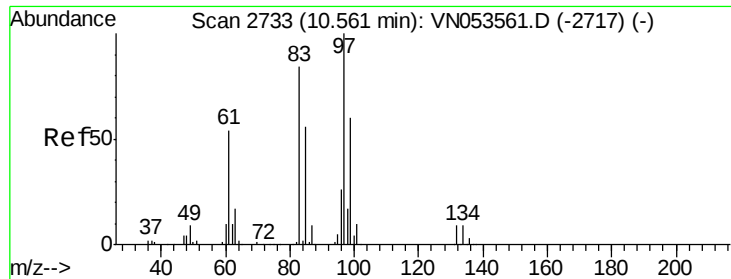
Ion Ratio Lower Upper

75 100

77 30.1 25.8 38.6

39 39.9 33.4 50.0

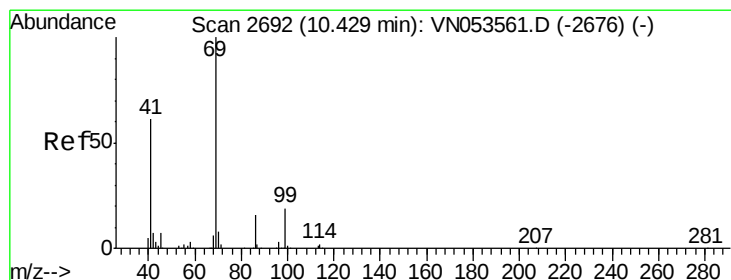
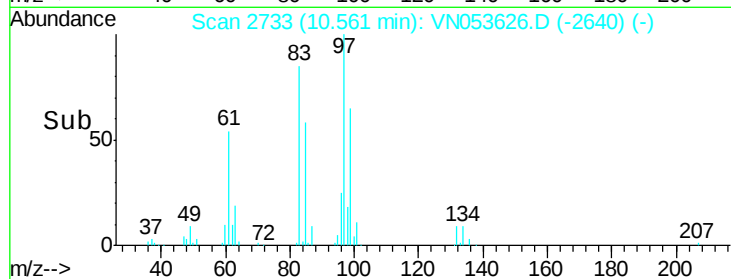
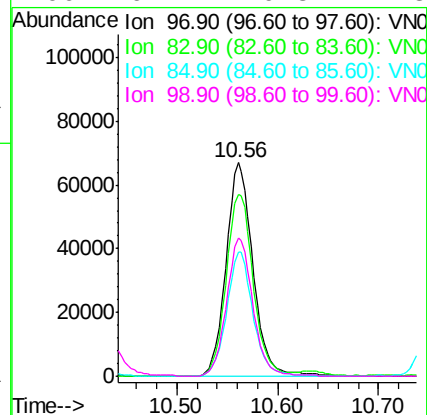
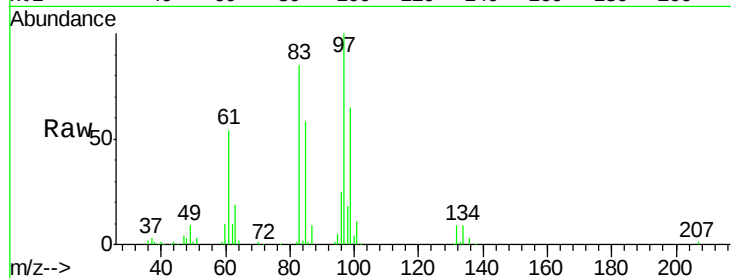




#55
 1,1,2-Trichloroethane
 Concen: 19.928 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

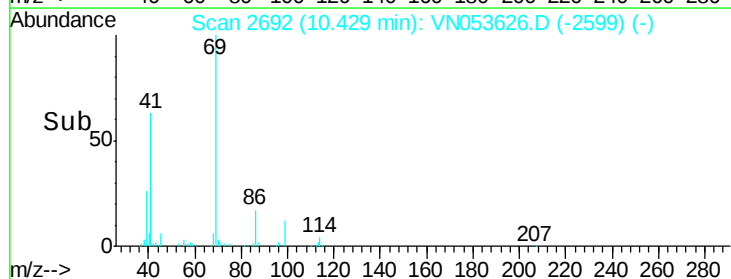
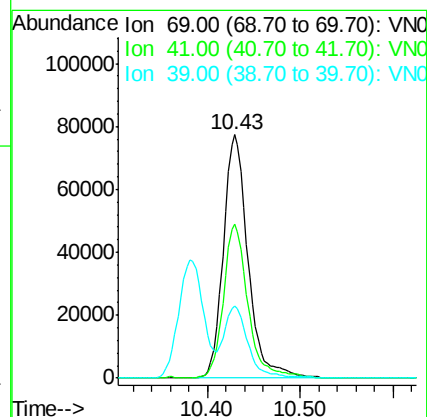
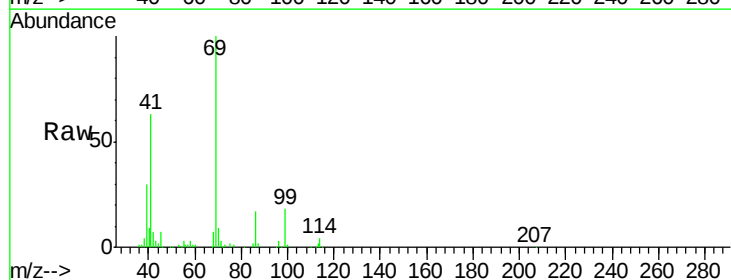
Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBS01

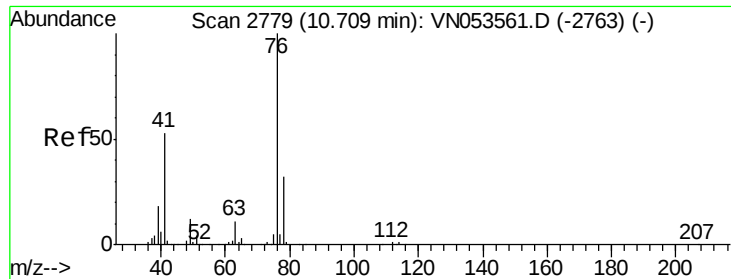
Tot Ion	Resp	Lower	Upper
97	124370		
Ion Ratio			
97	100		
83	84.8	70.1	105.1
85	58.3	45.4	68.0
99	64.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 19.340 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion	Resp	Lower	Upper
69	142787		
Ion Ratio			
69	100		
41	62.0	49.4	74.0
39	27.6	23.3	34.9

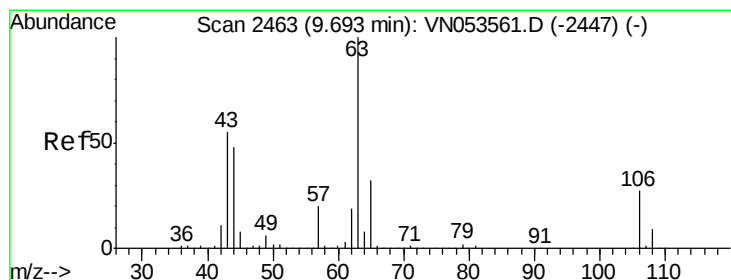
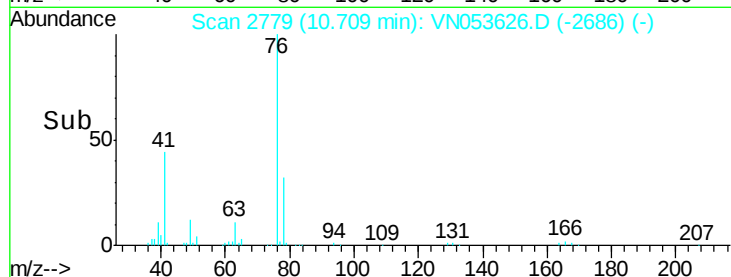
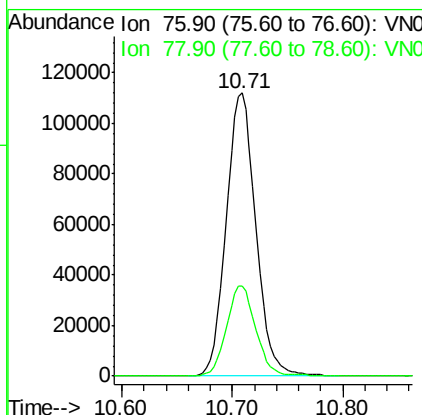
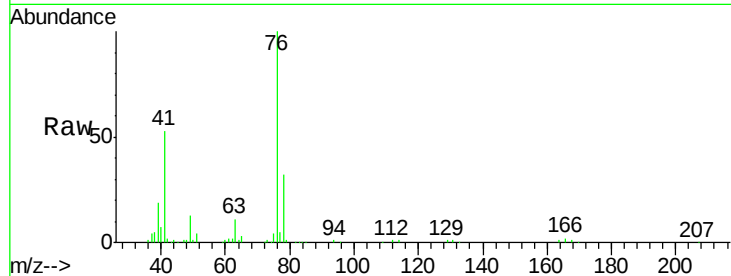




#57
 1,3-Dichloropropane
 Concen: 19.522 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

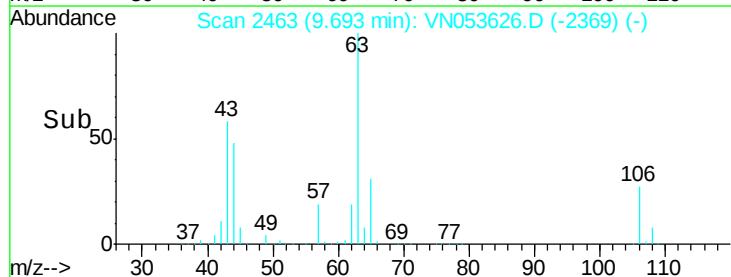
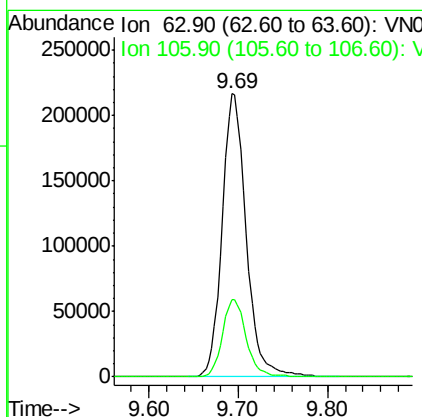
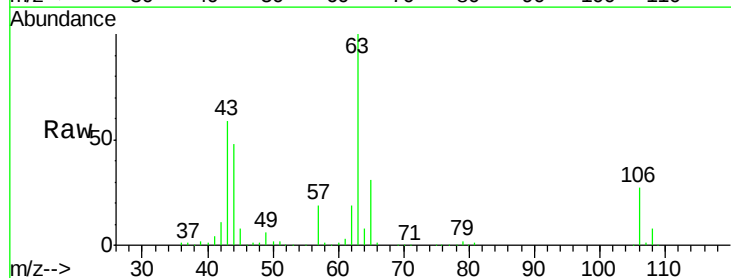
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

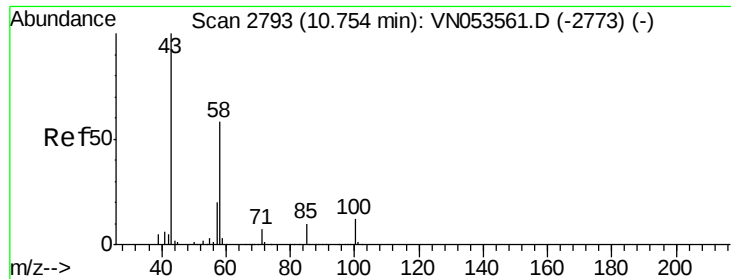
Tot Ion: 76 Resp: 208227
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.672 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 63 Resp: 405209
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

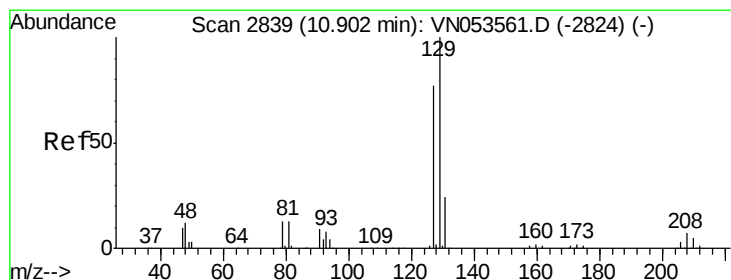
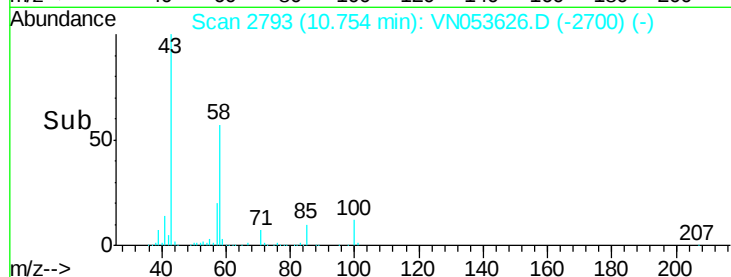
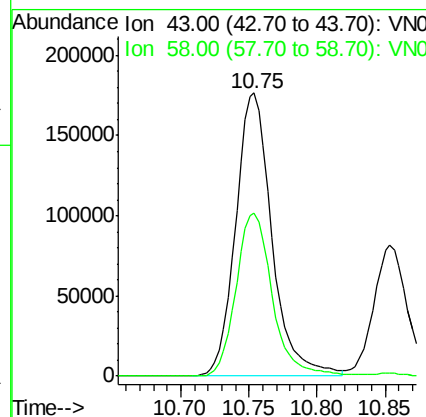
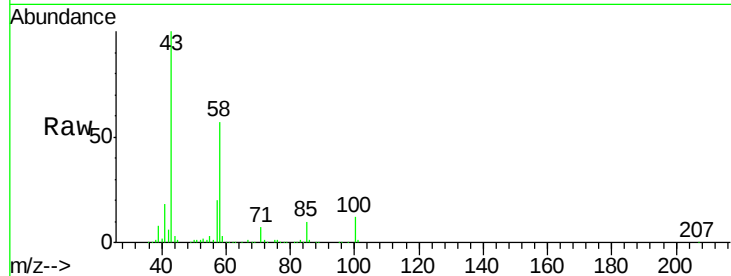




#59
2-Hexanone
Concen: 95.329 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

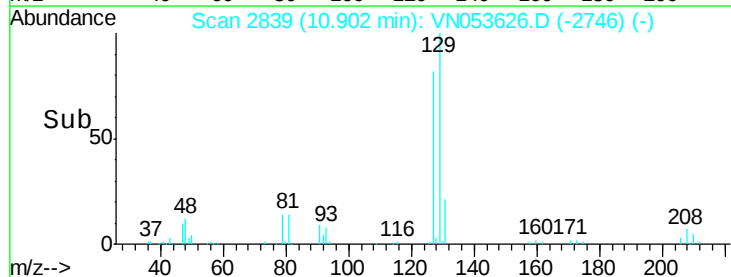
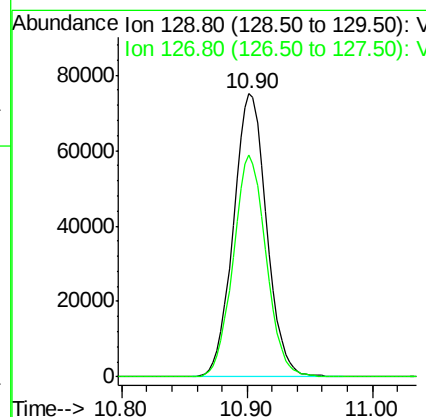
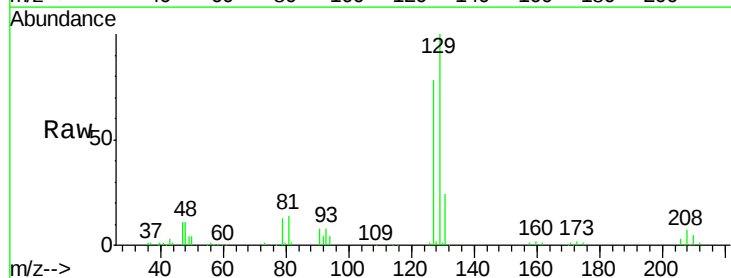
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

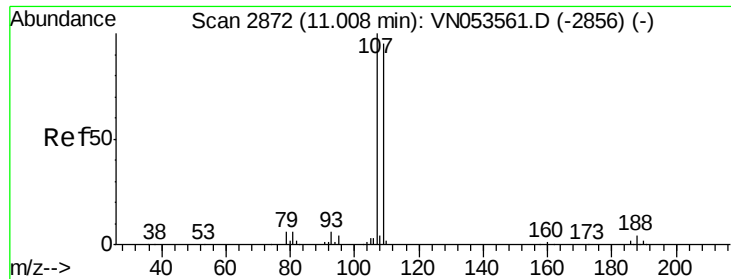
Tot Ion: 43 Resp: 324595
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8



#60
Dibromochloromethane
Concen: 19.623 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 129 Resp: 138104
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

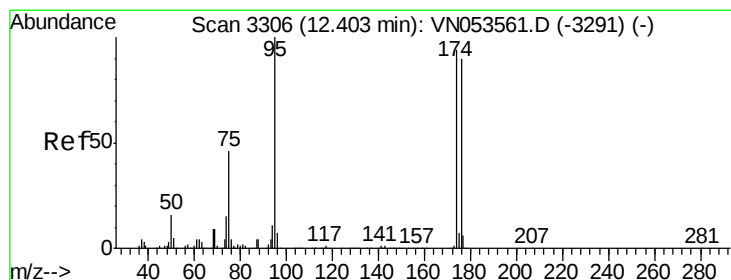
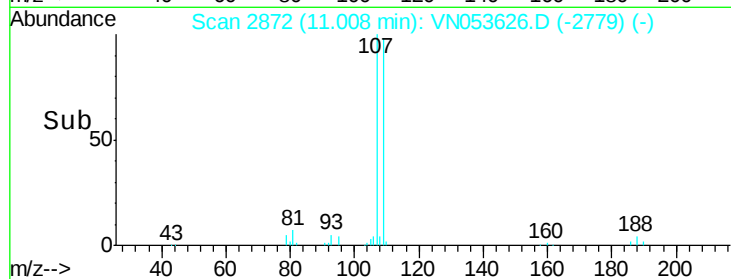
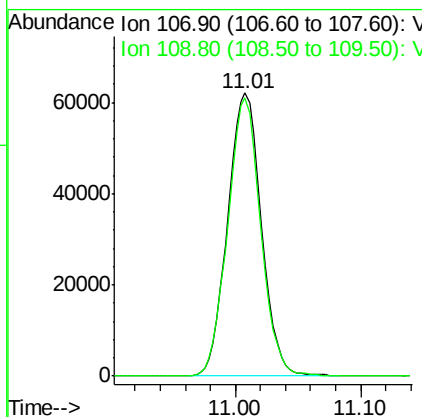
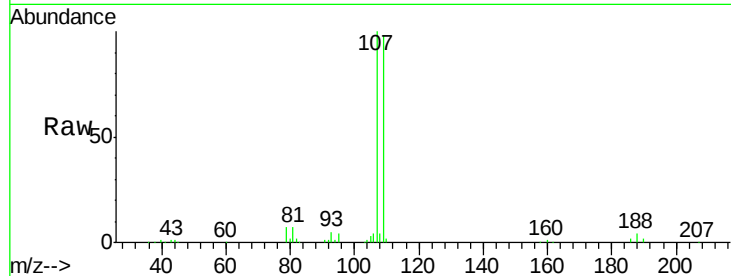




#61
 1,2-Dibromoethane
 Concen: 18.783 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

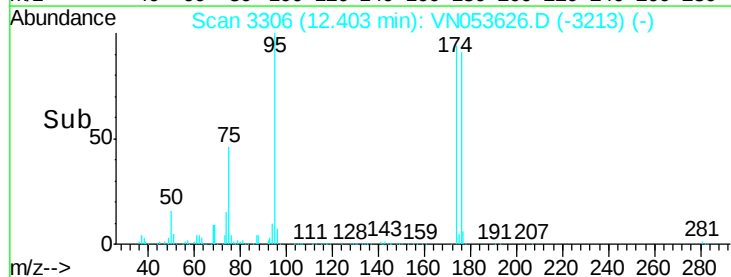
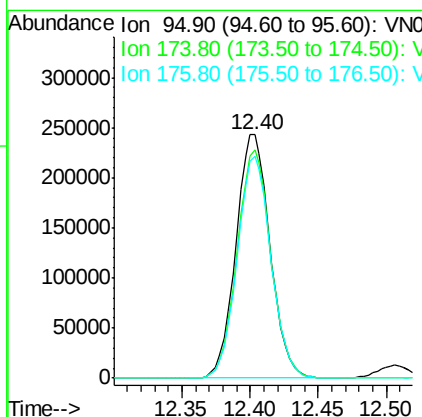
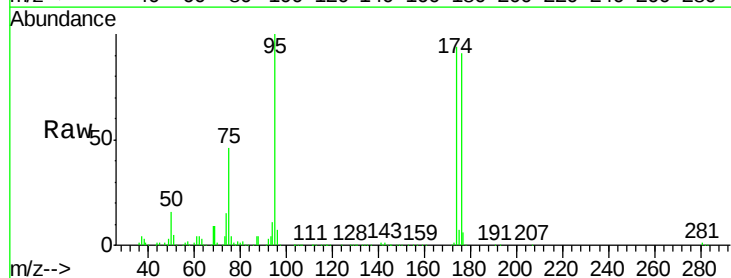
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

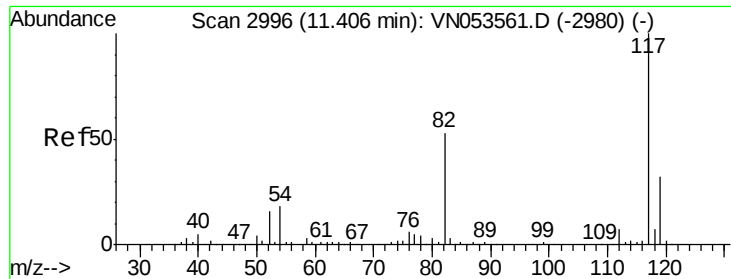
Tot Ion:107 Resp: 116021
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 18.783 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion: 95 Resp: 421103
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 183.2
 176 90.1 0.0 177.4

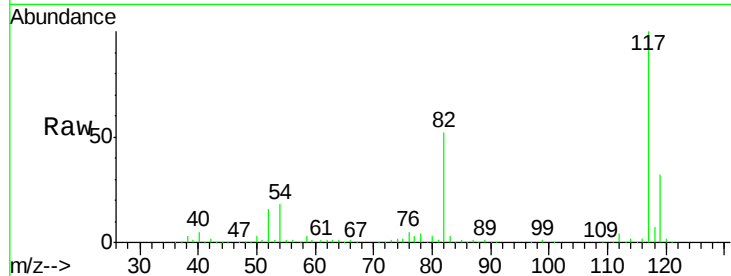




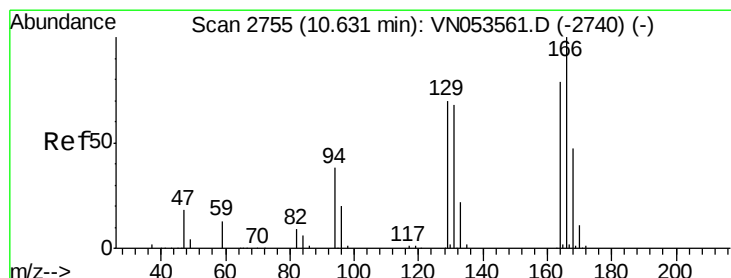
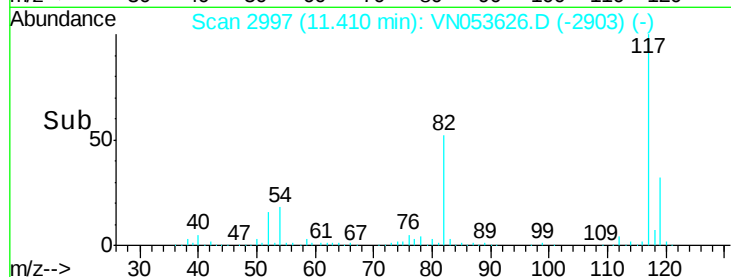
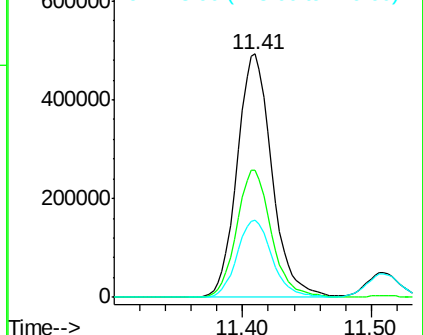
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion:117 Resp: 925307
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 31.9 26.0 39.0



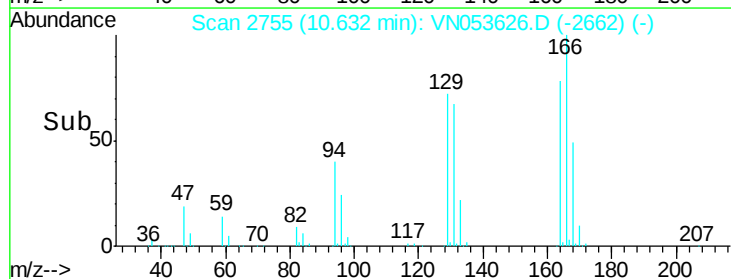
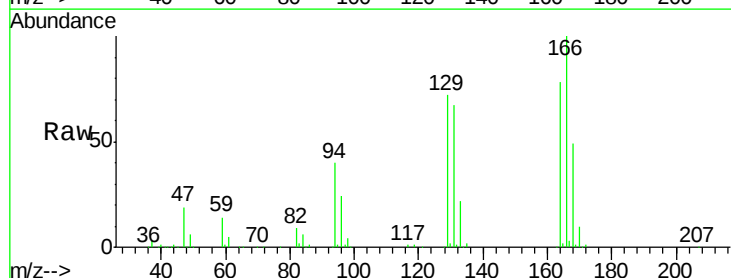
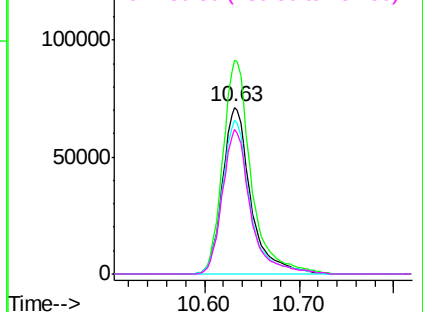
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

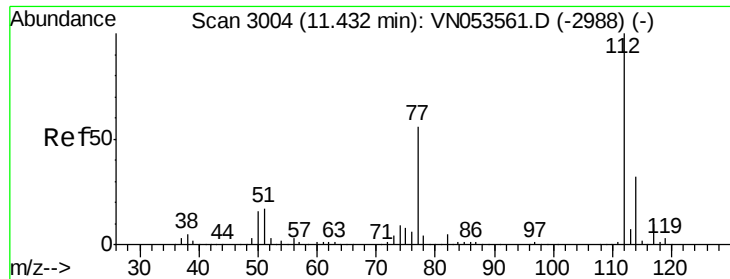


#64
Tetrachloroethene
Concen: 18.665 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion:164 Resp: 148050
Ion Ratio Lower Upper
164 100
166 128.1 102.2 153.4
129 92.0 72.6 109.0
131 86.4 69.5 104.3

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





#65

Chlorobenzene

Concen: 18.946 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

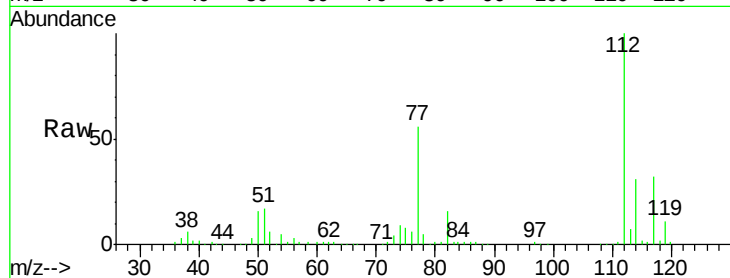
VN0206WBS01

Tot Ion:112 Resp: 372376

Ion Ratio Lower Upper

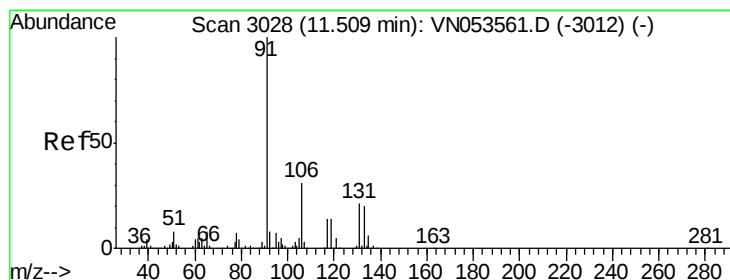
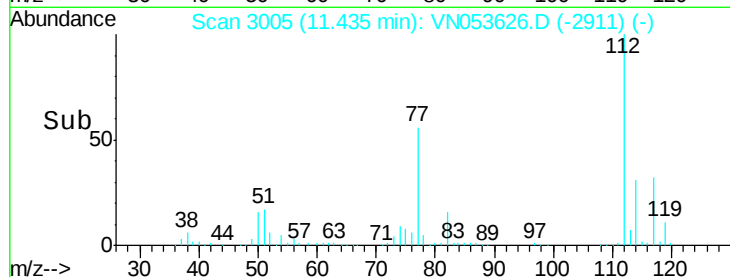
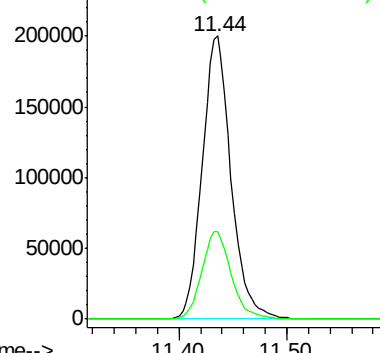
112 100

114 31.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.378 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

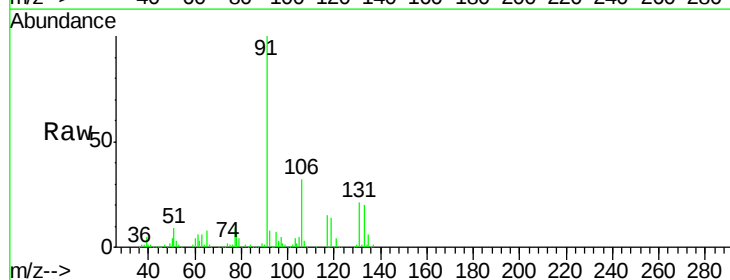
Tgt Ion:131 Resp: 133011

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.0

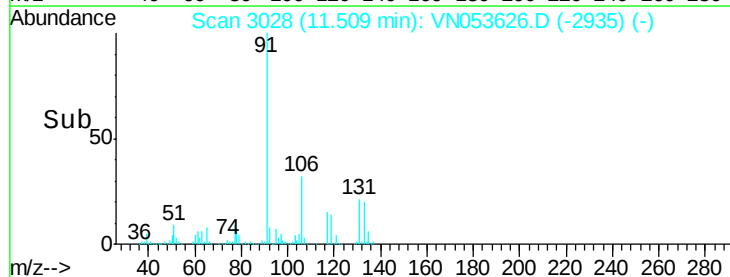
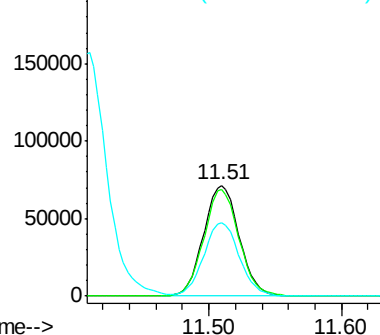
119 66.6 33.5 100.5

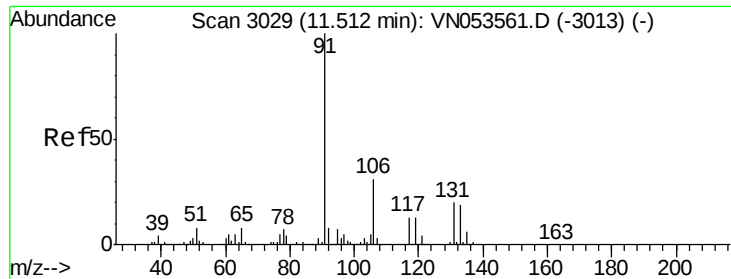


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

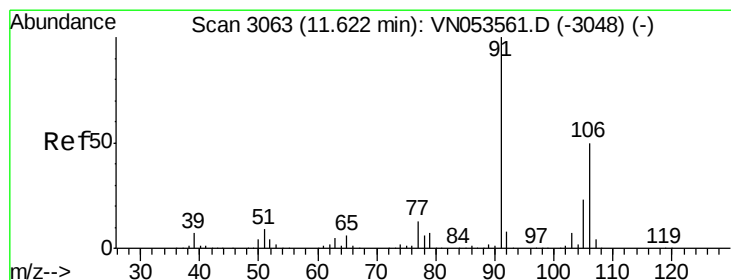
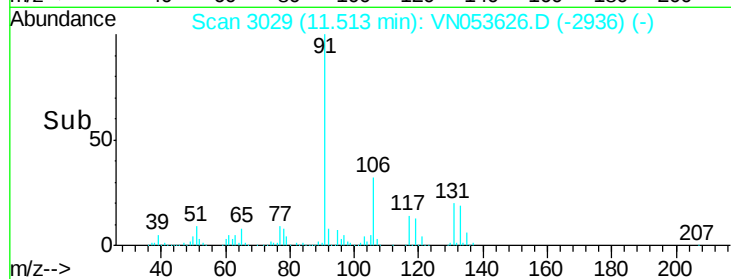
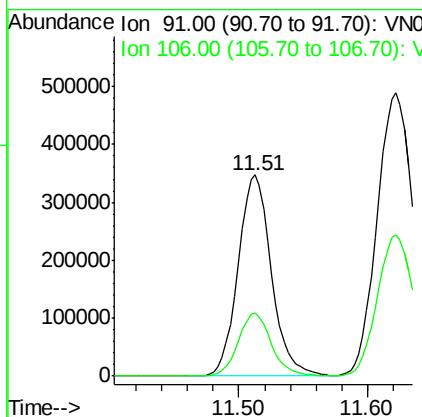
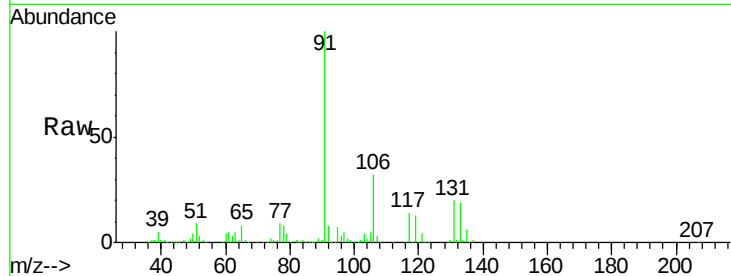




#67
Ethyl Benzene
Concen: 19.327 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

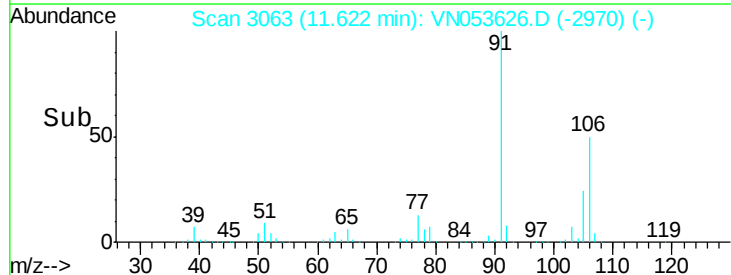
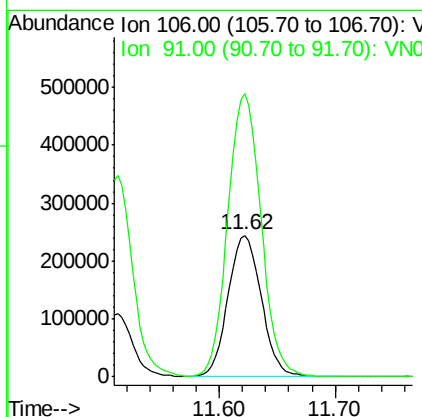
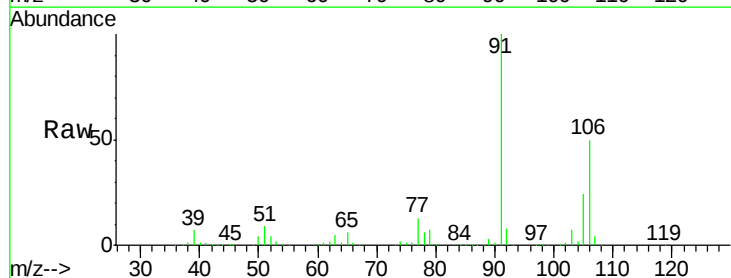
Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

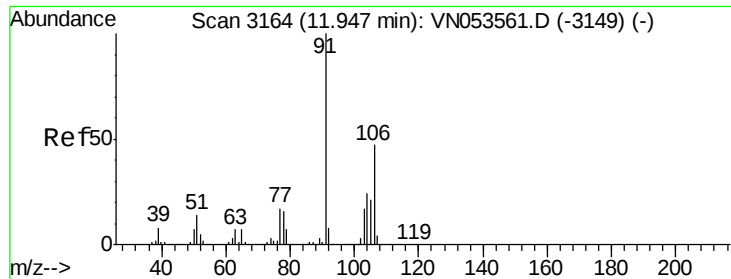
Tot Ion: 91 Resp: 624004
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 39.629 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion: 106 Resp: 488322
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.2

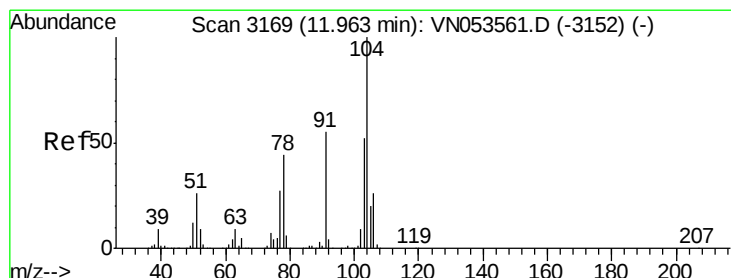
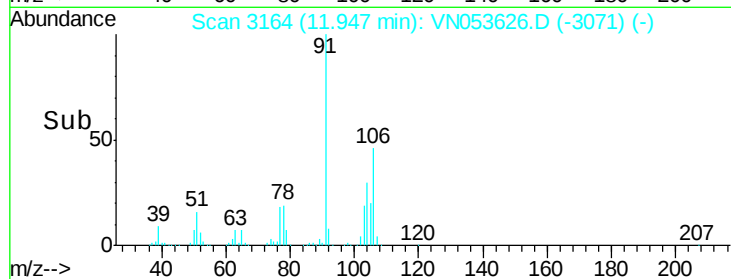
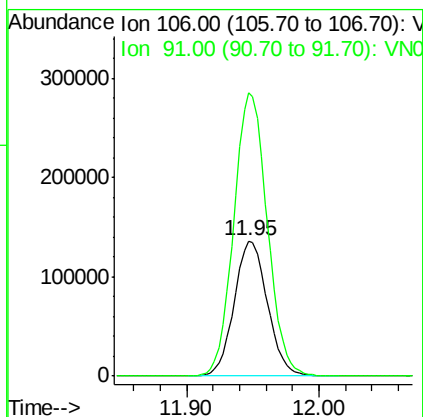
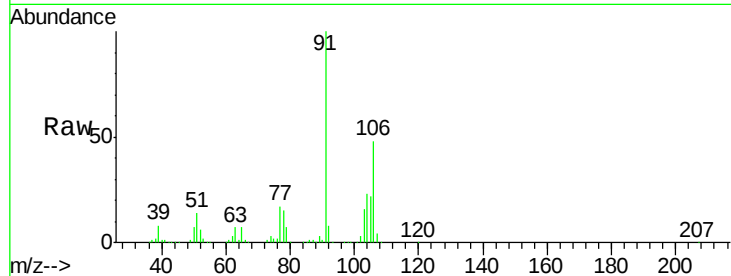




#69
o-Xylene
Concen: 19.931 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

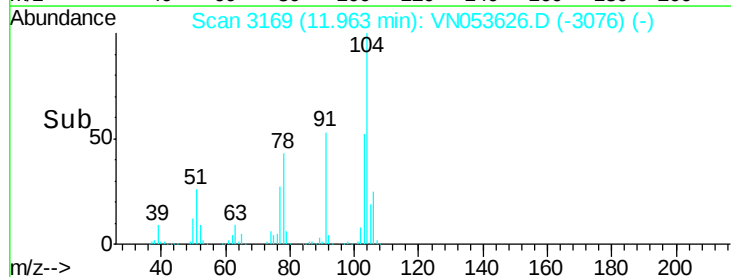
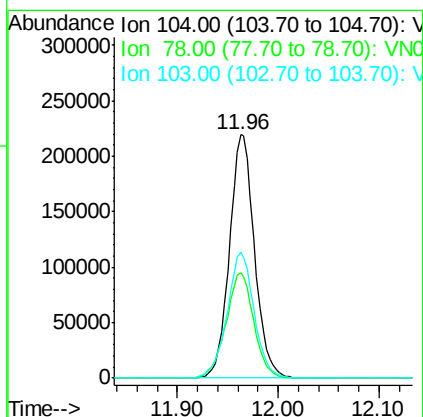
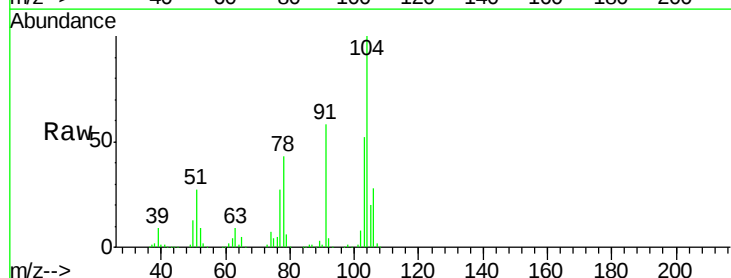
Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

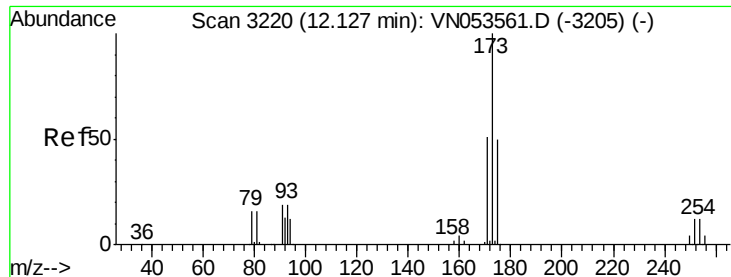
Tot Ion:106 Resp: 237268
Ion Ratio Lower Upper
106 100
91 210.7 106.9 320.8



#70
Styrene
Concen: 19.708 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion:104 Resp: 380281
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.7 44.4 66.6

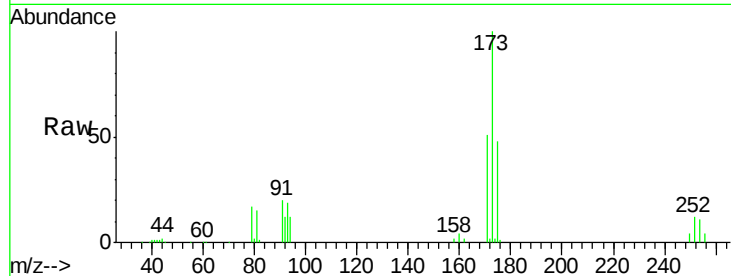




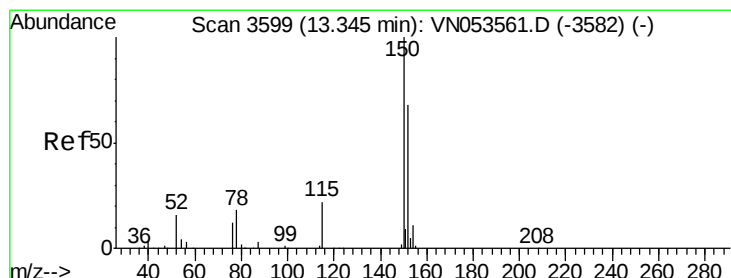
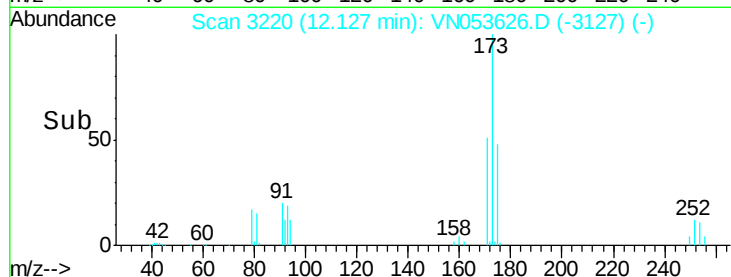
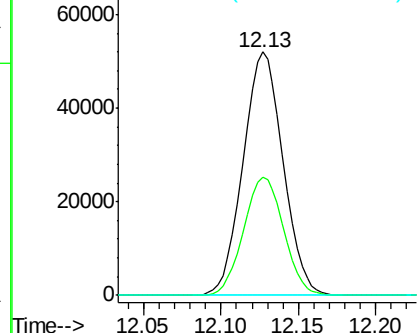
#71
Bromoform
Concen: 19.871 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion:173 Resp: 93511
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.0 0.2 0.2#

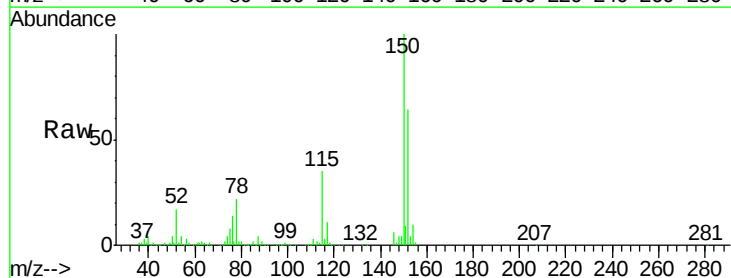


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

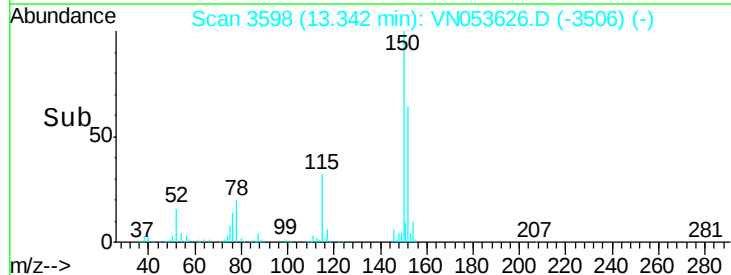
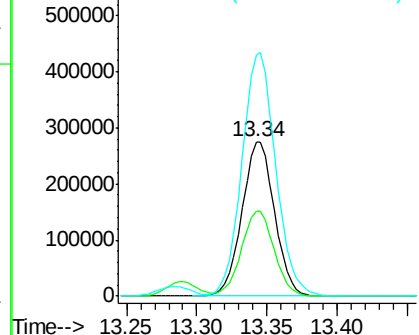


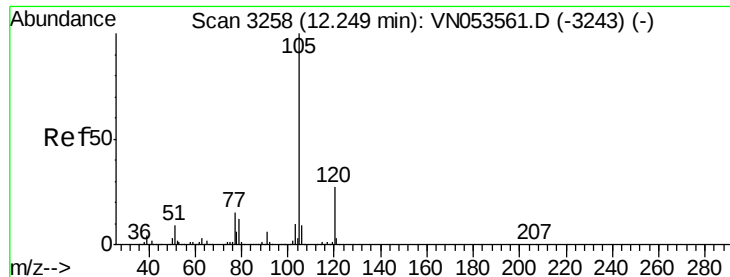
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion:152 Resp: 444202
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 164.1 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: 19.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

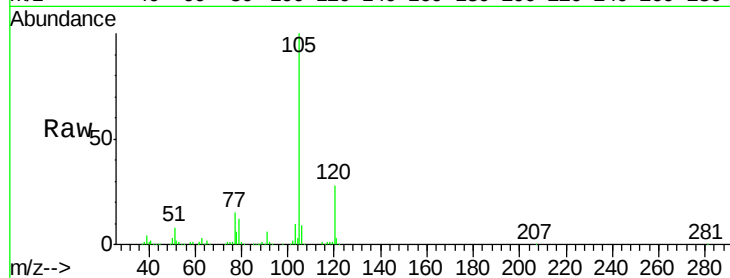
VN0206WBS01

Tot Ion:105 Resp: 616323

Ion Ratio Lower Upper

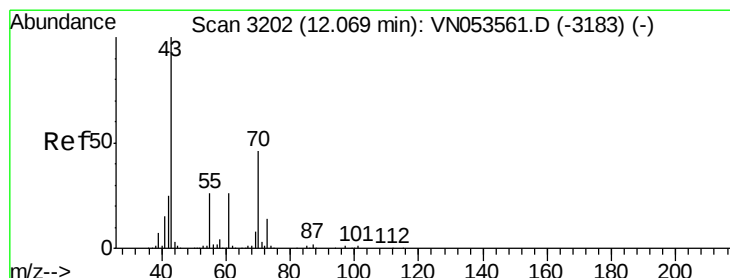
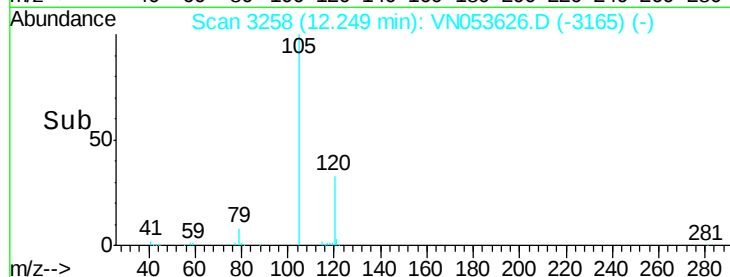
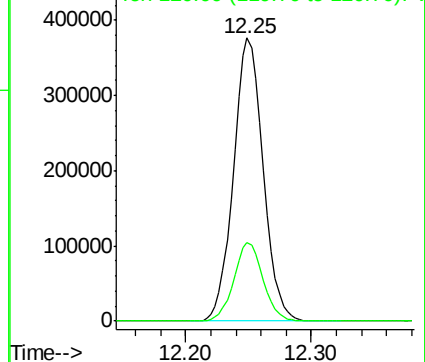
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.419 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Tgt Ion: 43 Resp: 145817

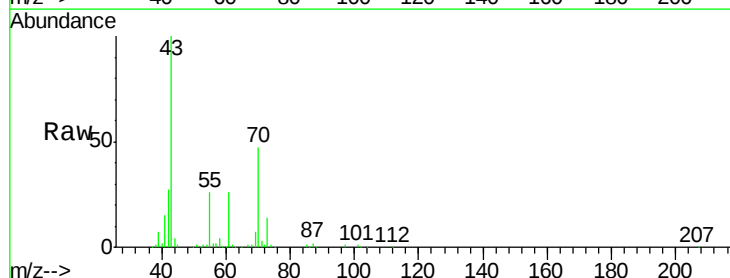
Ion Ratio Lower Upper

43 100

70 46.1 35.4 53.2

55 26.2 20.9 31.3

61 25.6 20.5 30.7

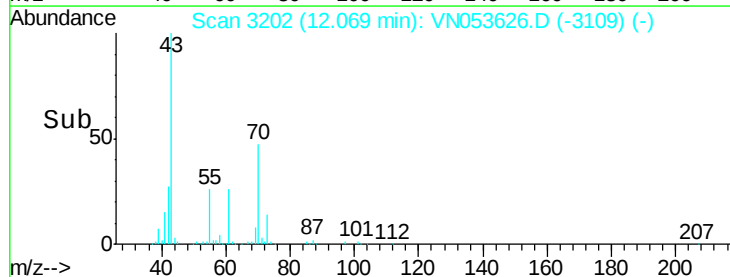
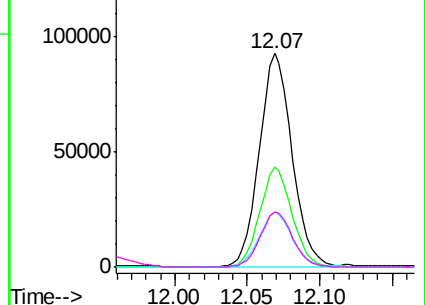


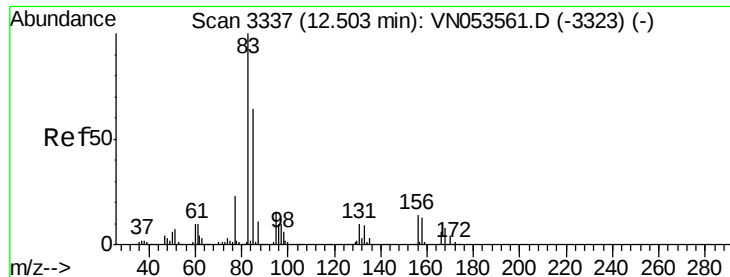
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

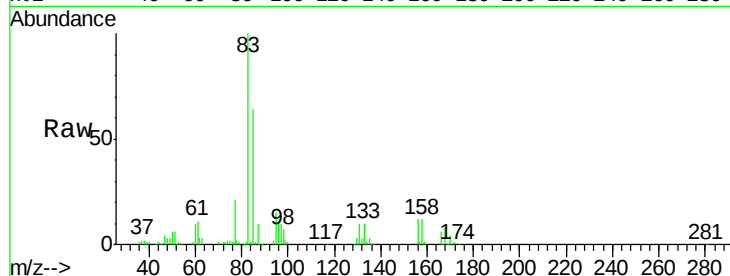
Tot Ion: 83 Resp: 143289

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

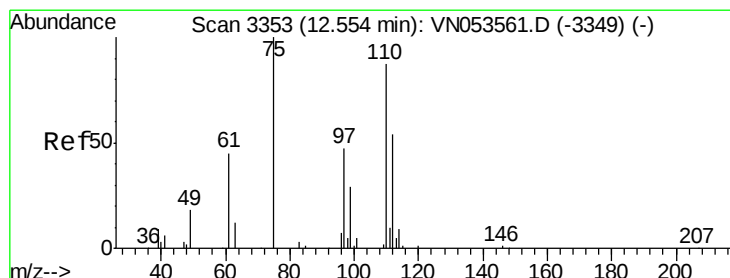
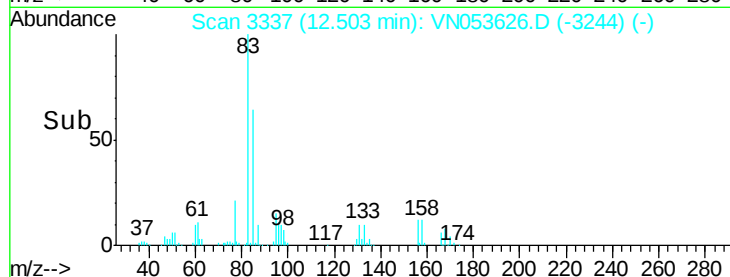
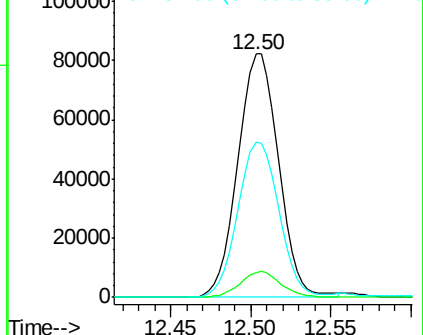
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.167 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053626.D

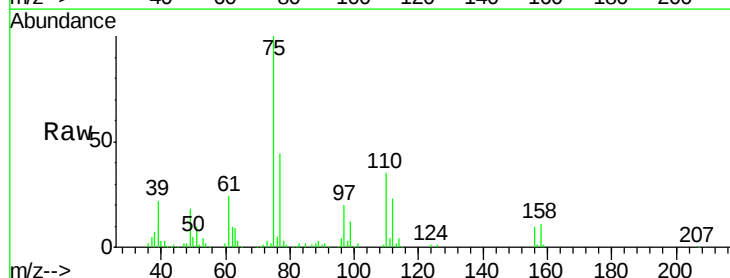
Acq: 6 Feb 2019 11:22

Tgt Ion: 75 Resp: 172117

Ion Ratio Lower Upper

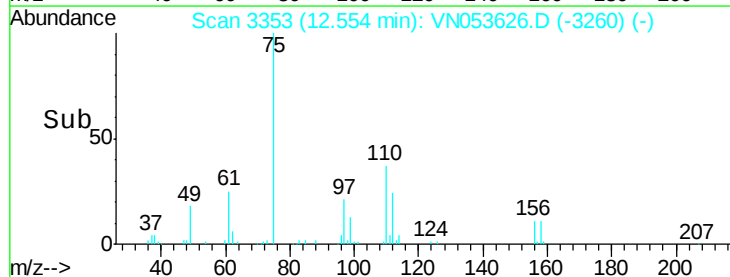
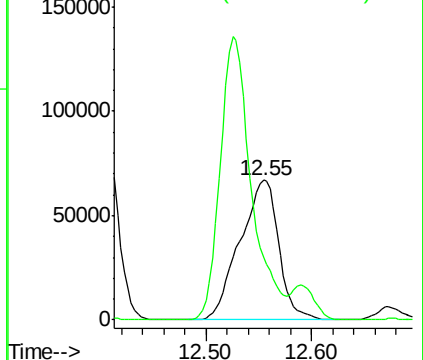
75 100

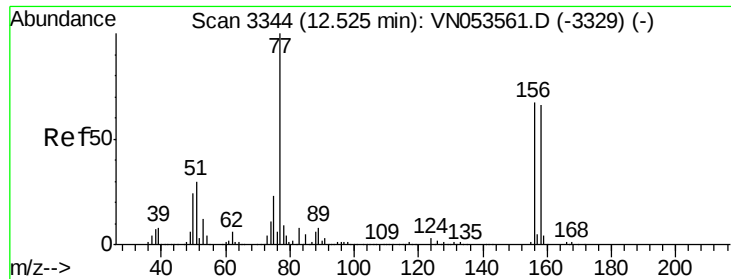
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

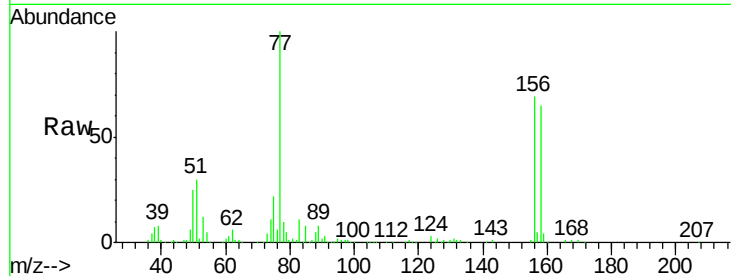
Tot Ion:156 Resp: 164521

Ion Ratio Lower Upper

156 100

77 169.9 87.9 263.8

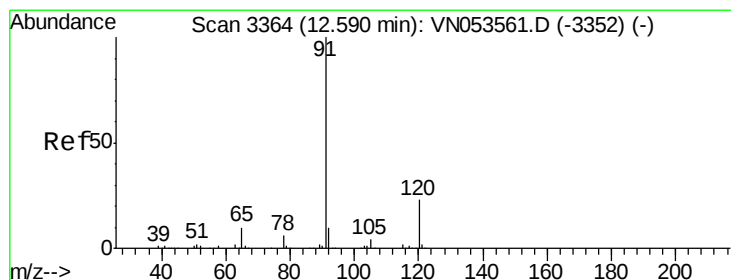
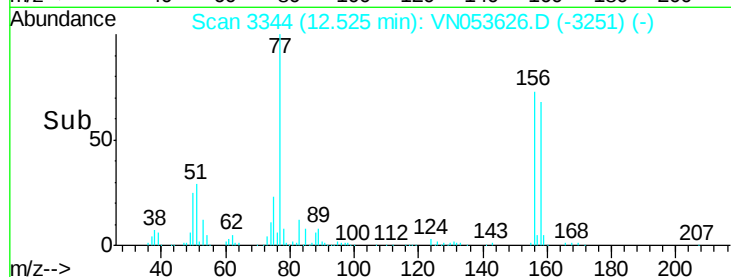
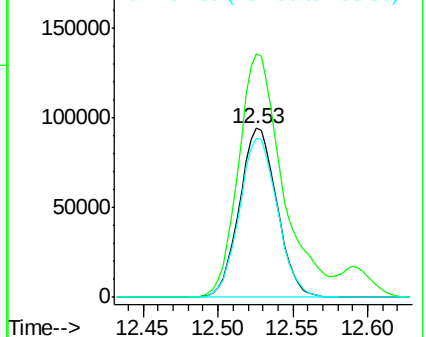
158 95.7 48.8 146.4



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: 19.984 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053626.D

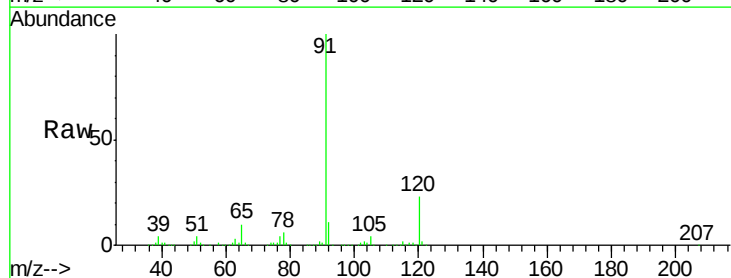
Acq: 6 Feb 2019 11:22

Tgt Ion: 91 Resp: 721403

Ion Ratio Lower Upper

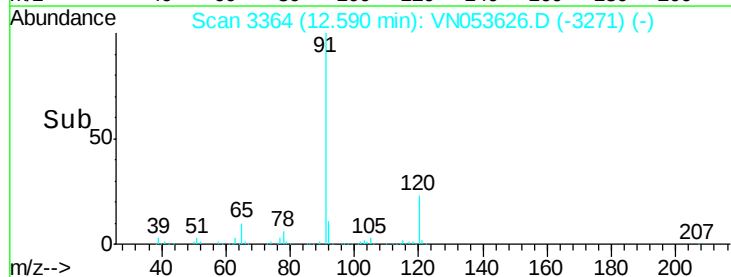
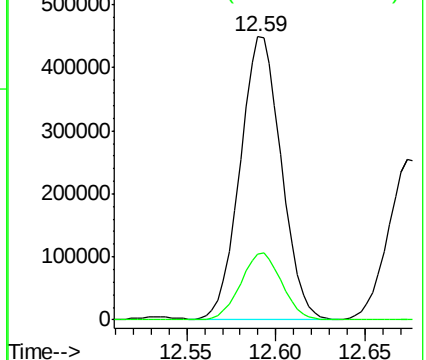
91 100

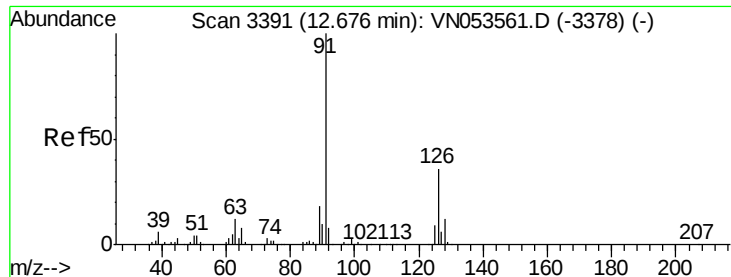
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.706 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

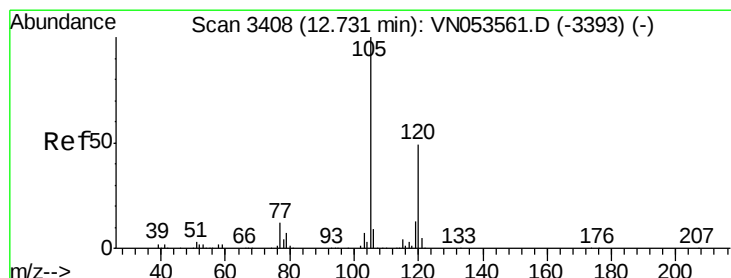
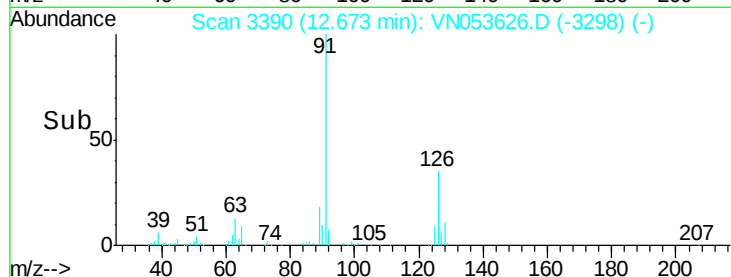
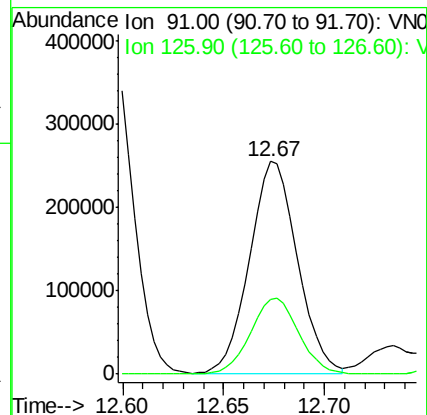
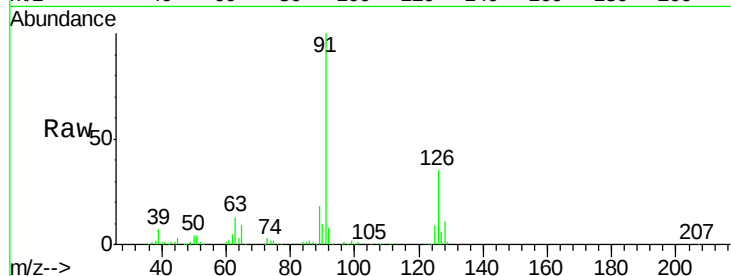
VN0206WBS01

Tot Ion: 91 Resp: 422027

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.618 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053626.D

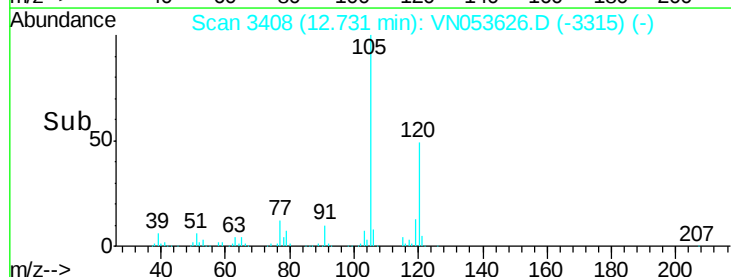
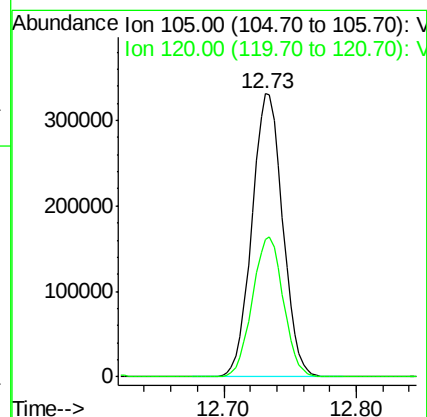
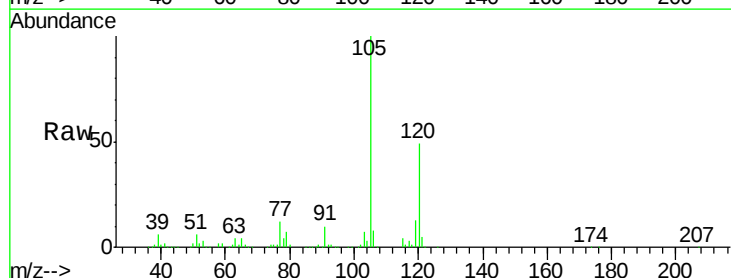
Acq: 6 Feb 2019 11:22

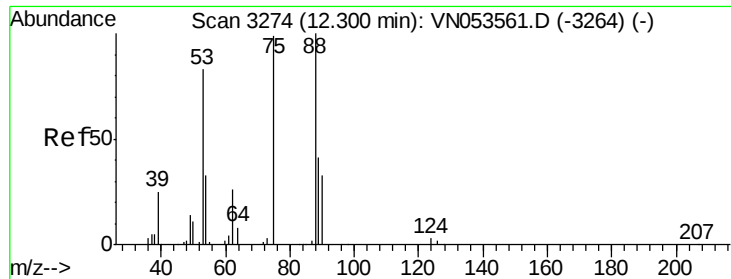
Tgt Ion: 105 Resp: 533884

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.216 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

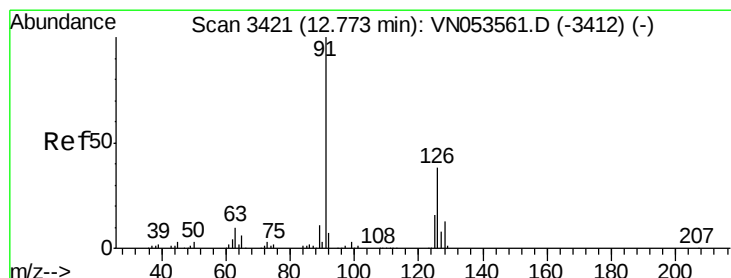
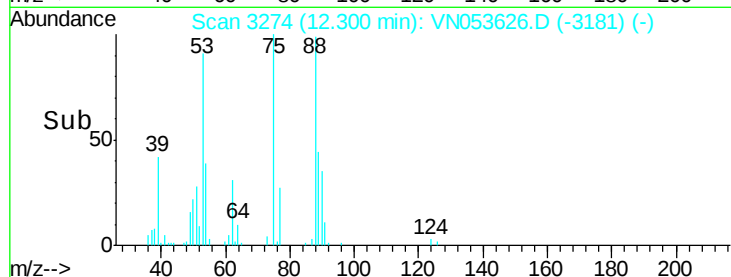
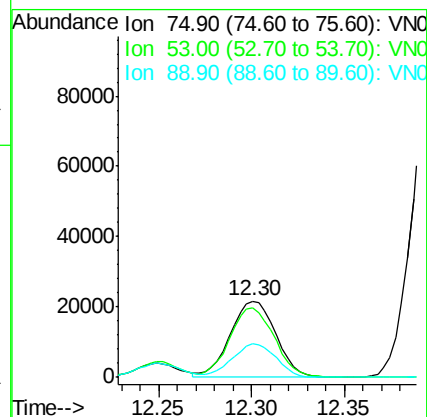
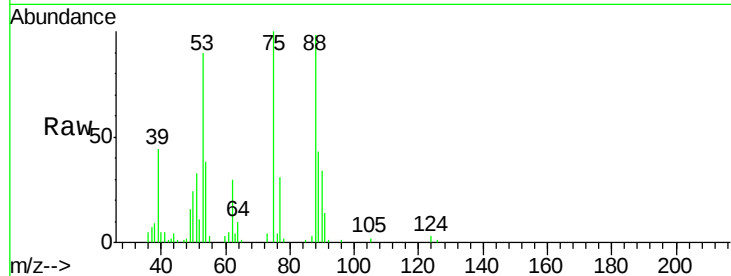
Tot Ion: 75 Resp: 36961

Ion Ratio Lower Upper

75 100

53 89.8 69.8 104.6

89 42.5 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.663 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053626.D

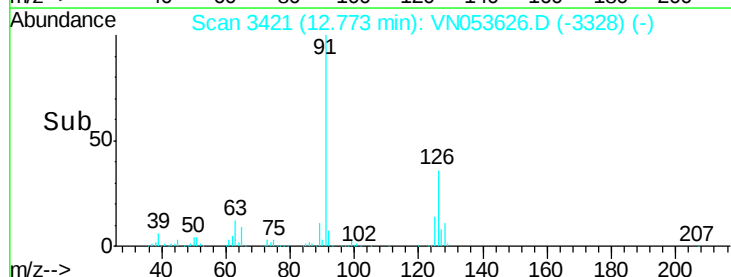
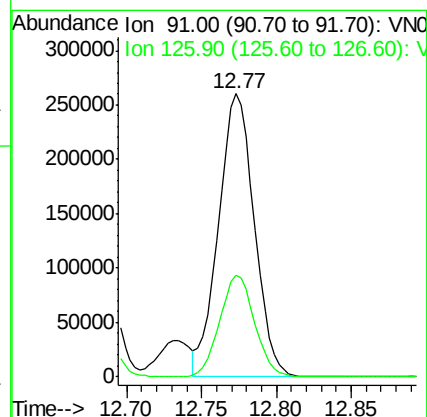
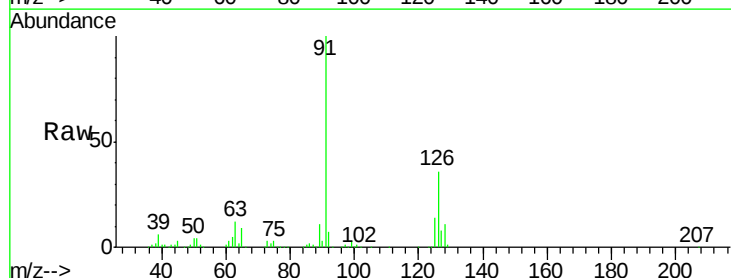
Acq: 6 Feb 2019 11:22

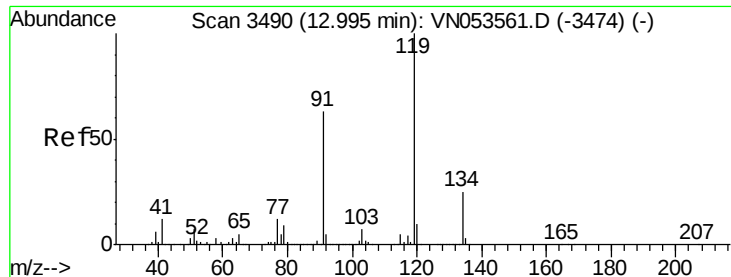
Tgt Ion: 91 Resp: 432118

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9

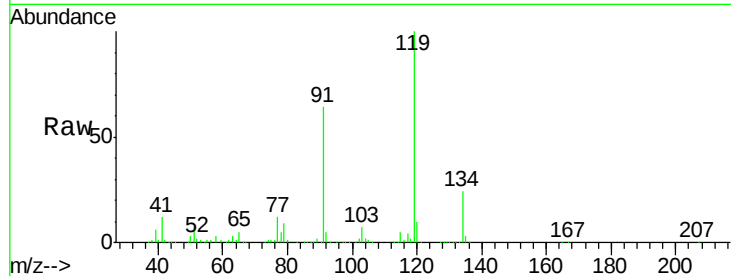




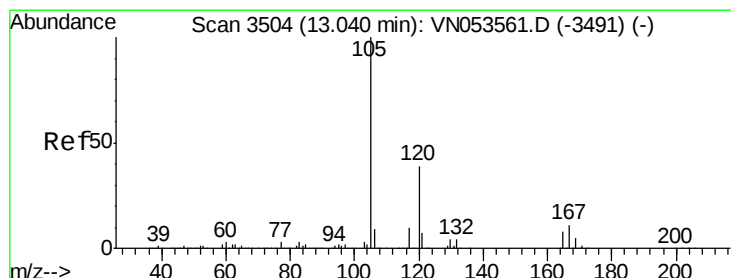
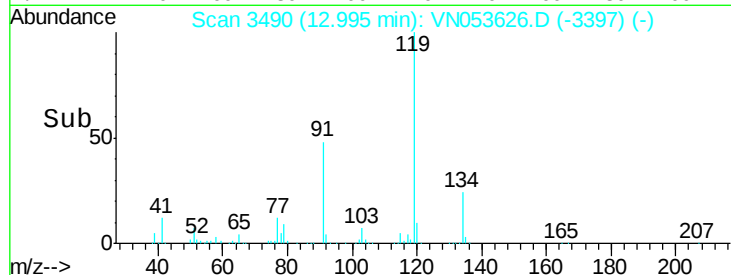
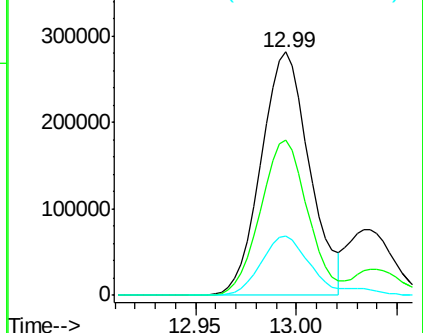
#83
tert-Butylbenzene
Concen: 20.577 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion:119 Resp: 470927
Ion Ratio Lower Upper
119 100
91 62.8 31.3 93.8
134 26.0 12.9 38.7

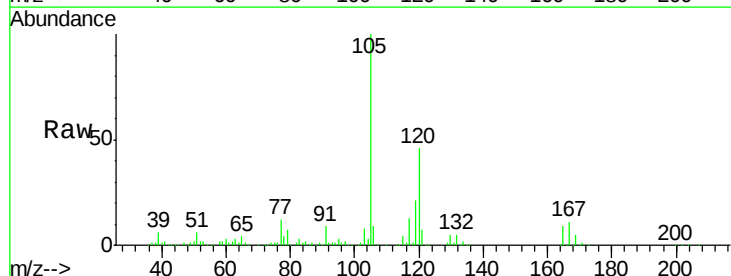


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

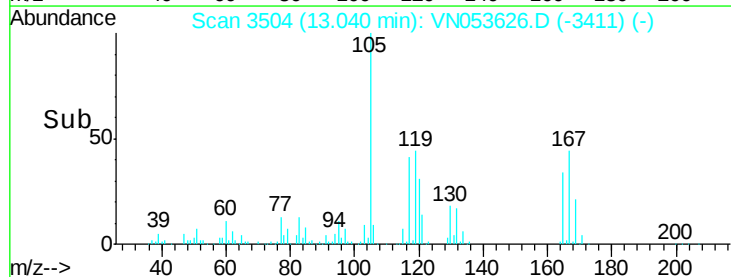
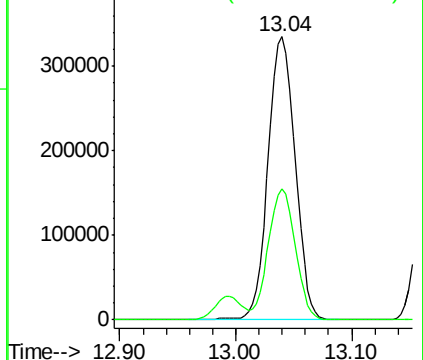


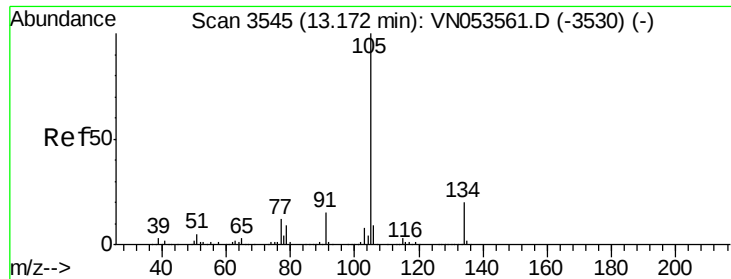
#84
1,2,4-Trimethylbenzene
Concen: 20.593 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion:105 Resp: 543279
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.705 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

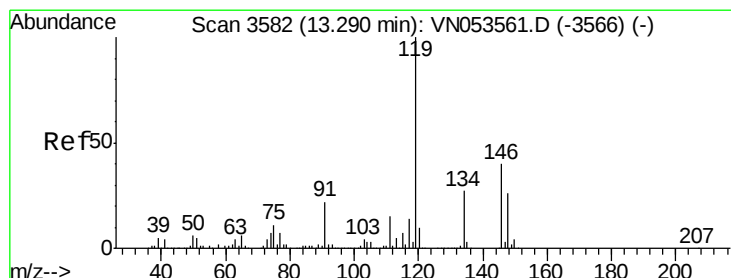
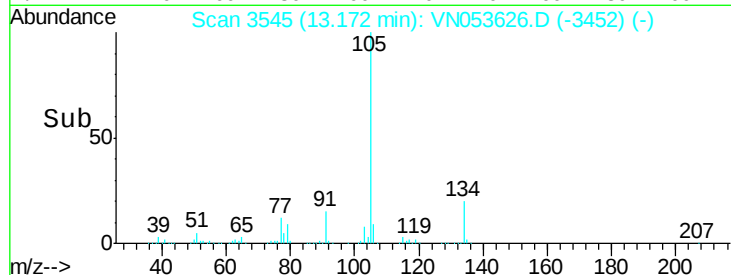
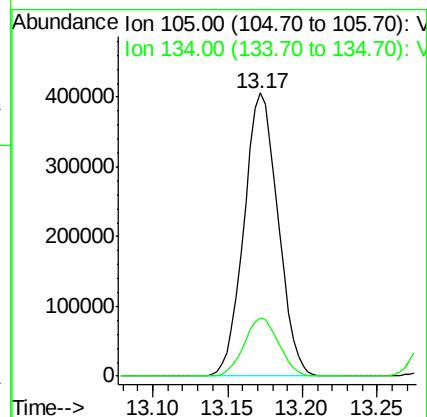
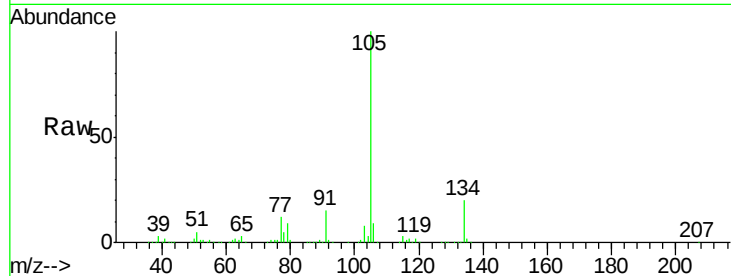
VN0206WBS01

Tot Ion:105 Resp: 644823

Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.585 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

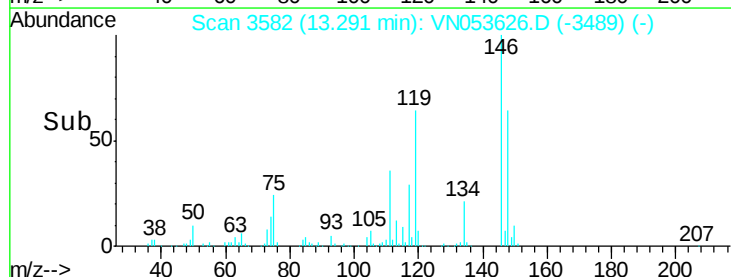
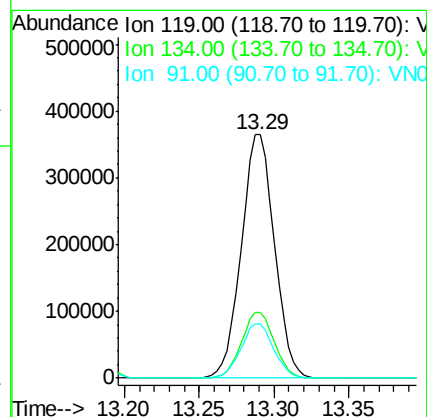
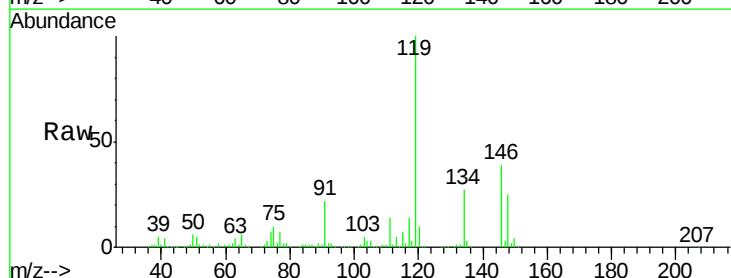
Tgt Ion:119 Resp: 560687

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.2 11.0 33.0

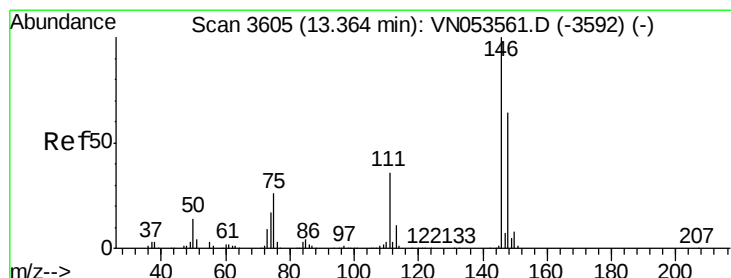
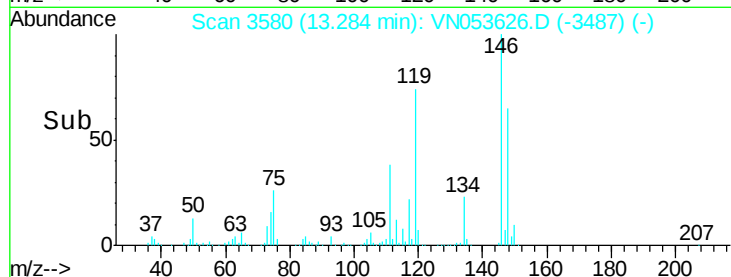
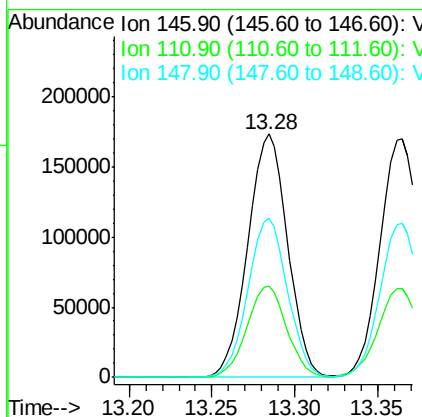
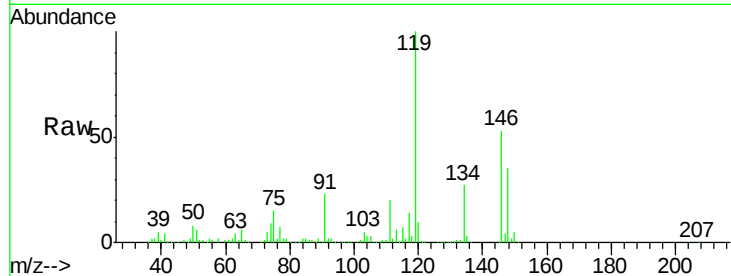




#87
 1,3-Dichlorobenzene
 Concen: 19.090 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

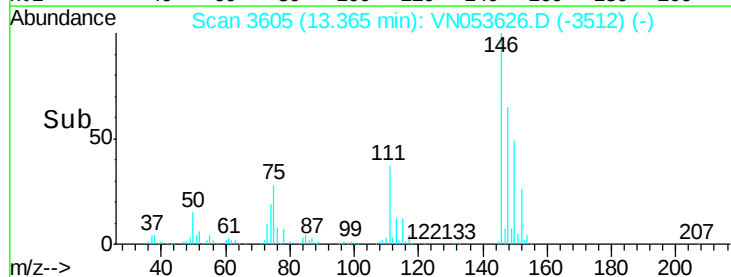
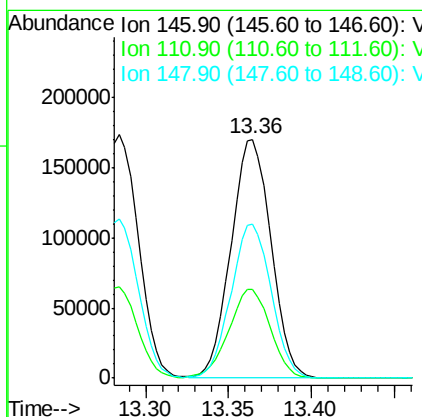
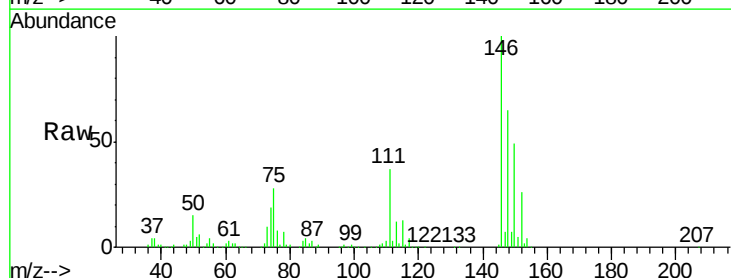
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

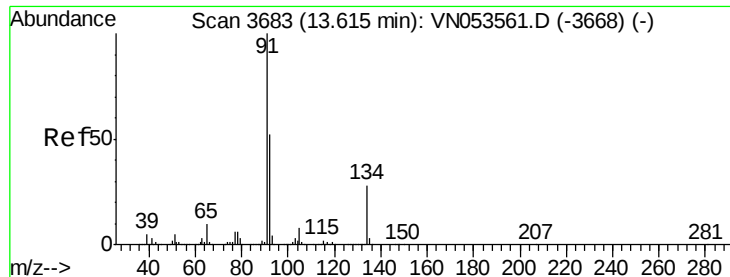
Tot Ion:146 Resp: 288809
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 65.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion:146 Resp: 286715
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 64.9 32.4 97.0





#89

n-Butylbenzene

Concen: 19.989 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

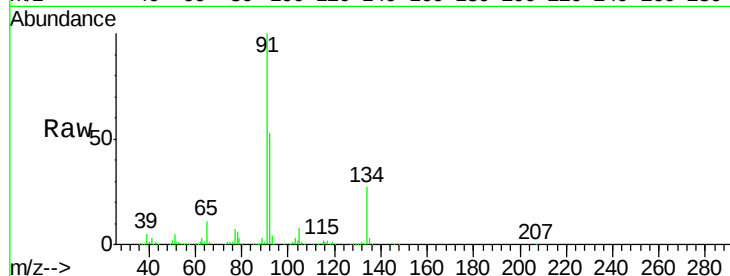
Tot Ion: 91 Resp: 471265

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

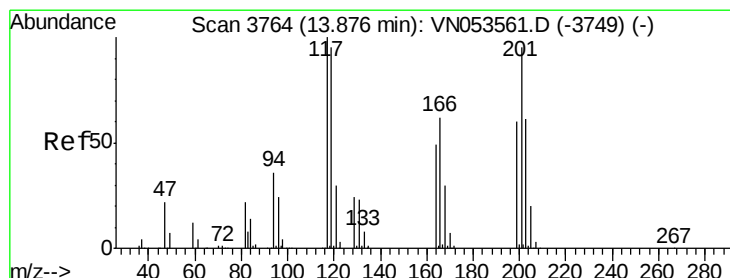
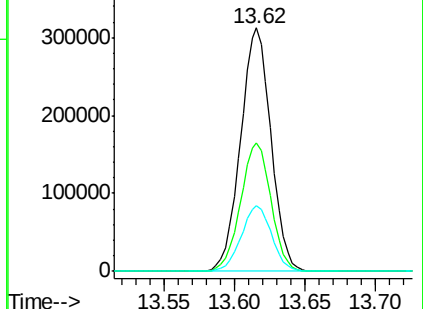
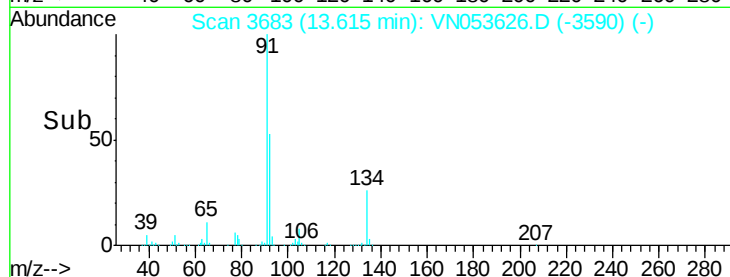
134 27.0 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.148 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053626.D

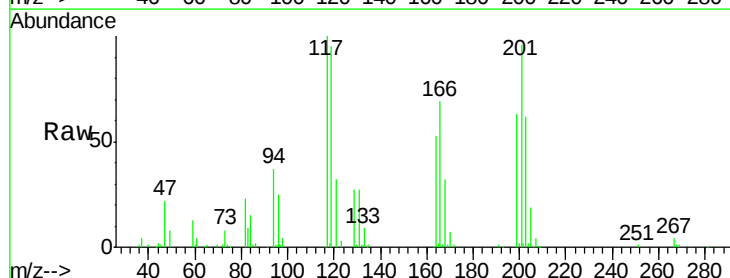
Acq: 6 Feb 2019 11:22

Tgt Ion: 117 Resp: 90521

Ion Ratio Lower Upper

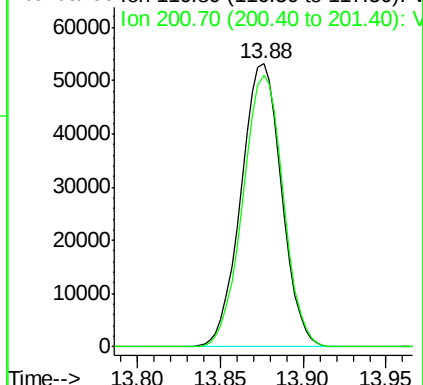
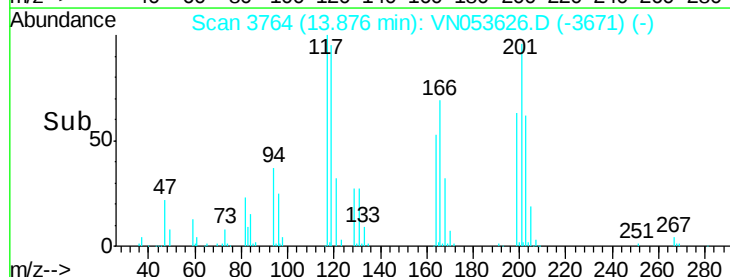
117 100

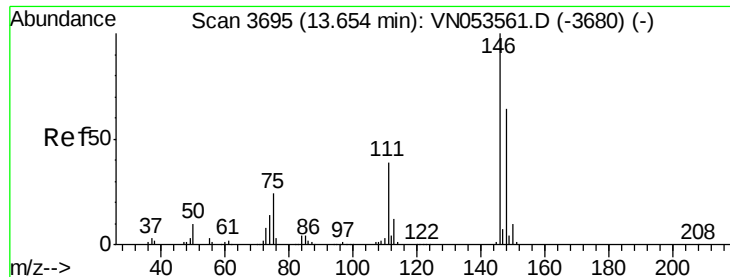
201 95.3 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.491 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

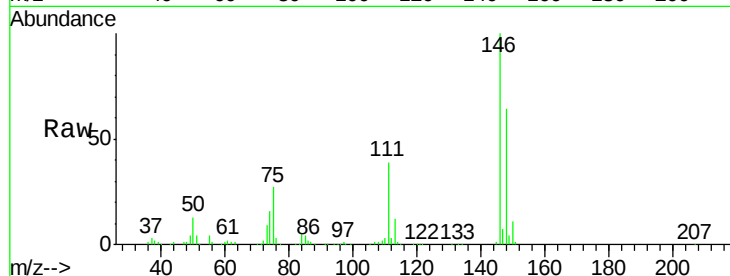
Tot Ion:146 Resp: 282292

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

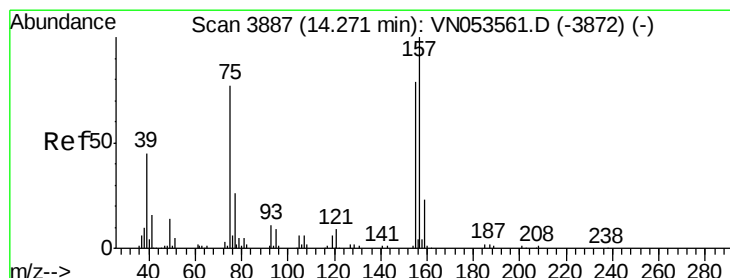
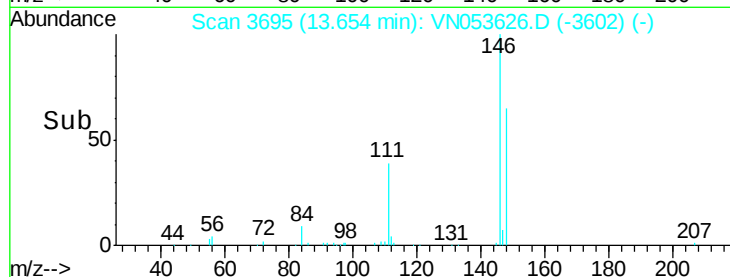
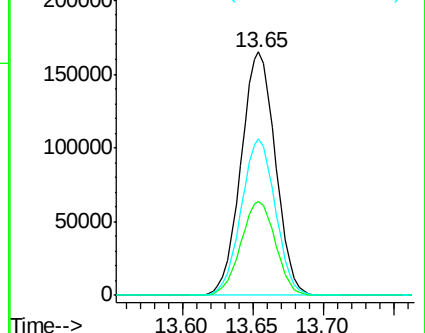
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.529 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053626.D

Acq: 6 Feb 2019 11:22

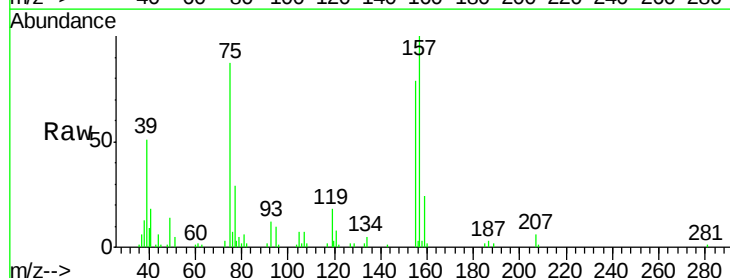
Tgt Ion: 75 Resp: 20800

Ion Ratio Lower Upper

75 100

155 97.9 48.9 146.7

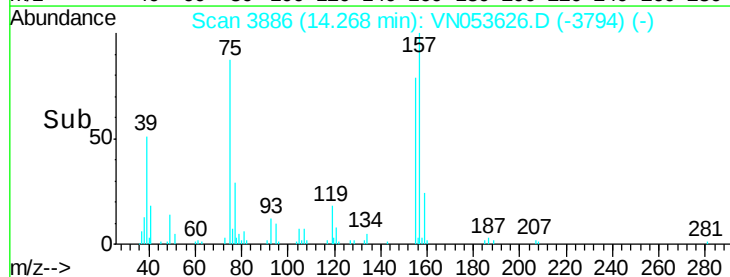
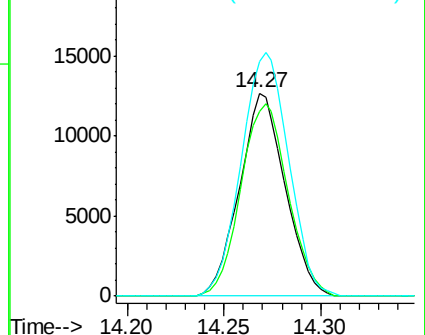
157 124.8 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

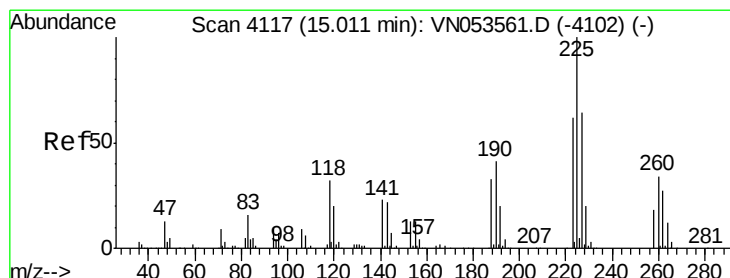
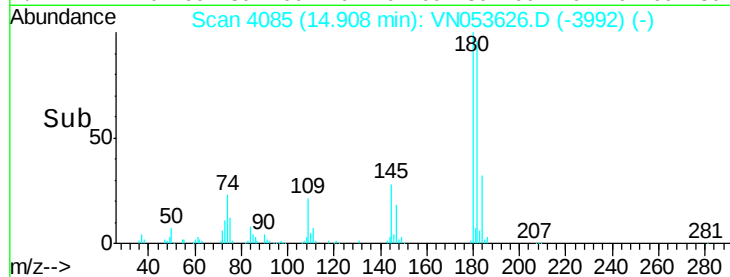
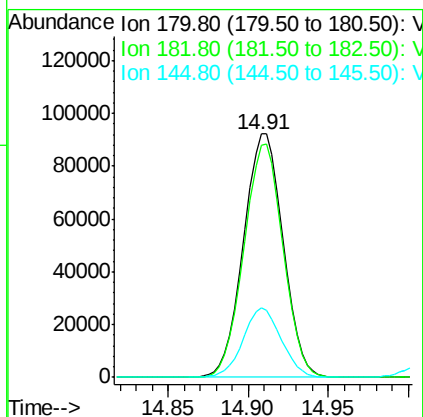
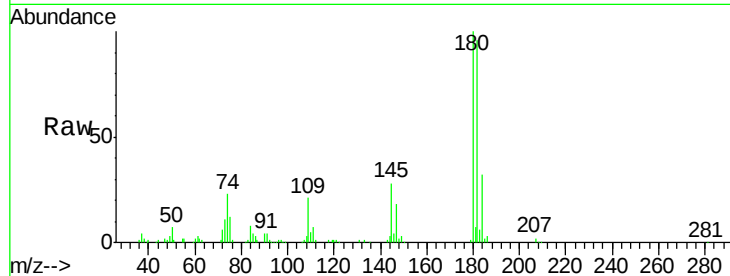




#93
 1,2,4-Trichlorobenzene
 Concen: 18.764 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

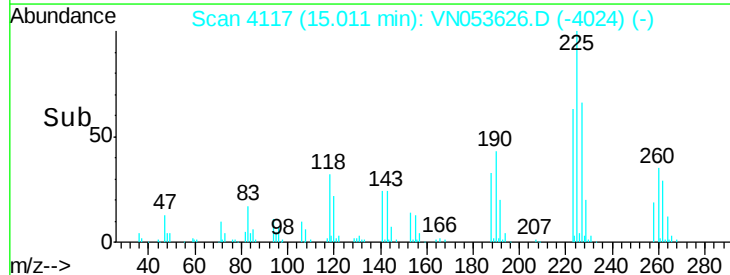
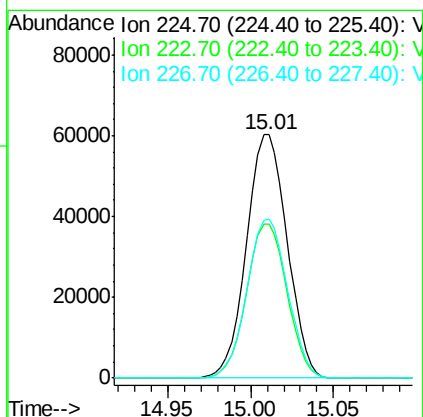
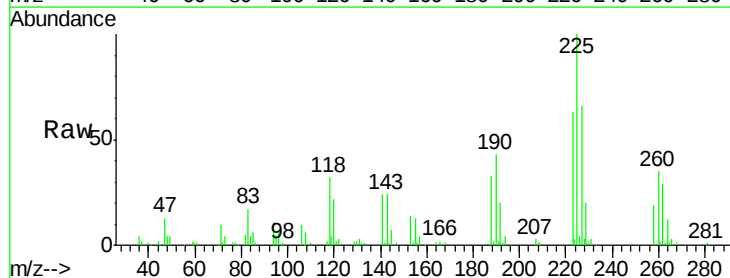
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion:180 Resp: 155867
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.1 144.3
 145 27.4 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 19.881 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053626.D
 Acq: 6 Feb 2019 11:22

Tgt Ion:225 Resp: 102844
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.2
 227 65.0 32.0 96.2

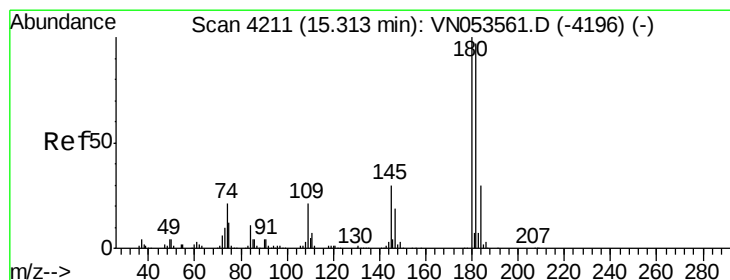
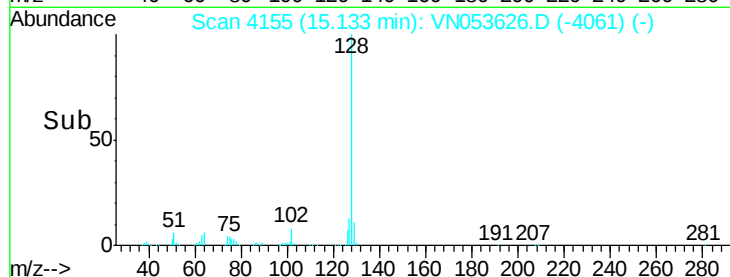
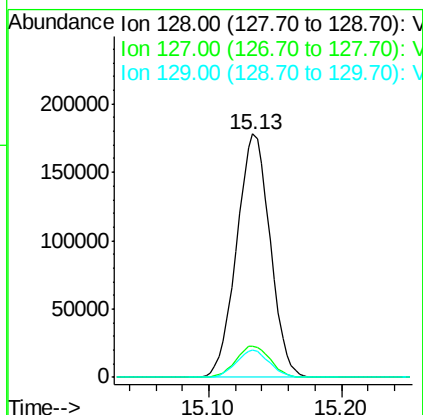
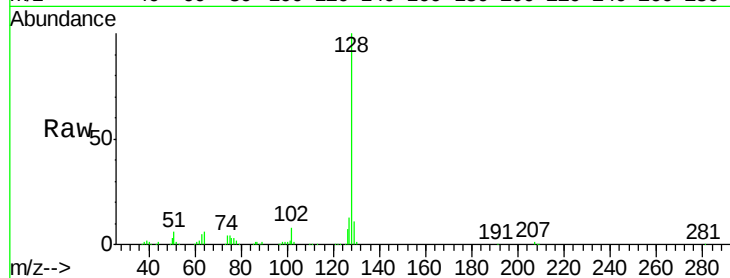




#95
Naphthalene
Concen: 17.150 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion:128 Resp: 311588
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.904 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053626.D
Acq: 6 Feb 2019 11:22

Tgt Ion:180 Resp: 145705
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.8
145 29.7 14.7 44.1

