

Data File : VN054988.D
Acq On : 11 Apr 2019 20:15
Operator : JC/SP
Sample : VN0411WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Quant Time: Apr 12 08:05:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	73828	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	398364	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	349775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	172431	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.40	95	155112	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.09	98	512888	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82861	19.083	ug/l	98
3) Chloromethane	2.06	50	119008	20.289	ug/l	99
4) Vinyl Chloride	2.19	62	102284	20.165	ug/l	98
5) Bromomethane	2.57	94	61533	20.973	ug/l	88
6) Chloroethane	2.71	64	58007	20.419	ug/l	99
7) Trichlorofluoromethane	3.02	101	129801	20.026	ug/l	99
8) Diethyl Ether	3.41	74	43430	20.868	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68250	19.263	ug/l	98
10) 1,1-Dichloroethene	3.73	96	65780	20.080	ug/l	96
11) Methyl Iodide	3.94	142	98775	19.925	ug/l	97
12) Methyl Acetate	4.33	43	86405	21.444	ug/l	98
13) Acrolein	3.61	56	33889	95.966	ug/l	98
14) Acrylonitrile	5.00	53	173448	105.070	ug/l	99
15) Acetone	3.82	58	31843	77.953	ug/l	90
16) Carbon Disulfide	4.04	76	211951	19.289	ug/l	96
17) Allyl chloride	4.32	41	163354	20.249	ug/l	98
18) Methylene Chloride	4.55	84	97979	20.234	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	85122	19.961	ug/l	99
20) Diisopropyl ether	5.96	45	334612	20.475	ug/l	99
21) 1,1-Dichloroethane	5.85	63	181534	20.797	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	101022	20.381	ug/l	98
23) tert-Butyl Alcohol	4.82	59	28166	107.005	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	231033	21.004	ug/l #	64
25) Chloroform	7.37	83	170705	20.416	ug/l	99
26) Cyclohexane	7.65	56	158833	19.611	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	126998	20.470	ug/l	99
30) 2-Butanone	6.85	43	199765	97.002	ug/l	100
31) 2,2-Dichloropropane	6.83	77	109295	19.141	ug/l #	100
32) 1,1,1-Trichloroethane	7.57	97	137188	20.921	ug/l	98
33) Carbon Tetrachloride	7.77	117	113023	19.907	ug/l	96
34) Benzene	8.04	78	383360	20.851	ug/l	100
35) Methacrylonitrile	7.18	41	51615	21.265	ug/l	94
36) 1,2-Dichloroethane	8.12	62	131610	20.945	ug/l	100
37) Trichloroethene	8.83	130	96782	20.649	ug/l	96
38) Methylcyclohexane	9.08	83	135691	18.860	ug/l	99
39) 1,2-Dichloropropane	9.12	63	106382	20.955	ug/l	98
40) Dibromomethane	9.21	93	59693	20.803	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	118877	20.074	ug/l	98
42) Vinyl Acetate	5.90	43	1072797	103.042	ug/l	99
43) Ethyl Acetate	6.94	43	88649	21.130	ug/l	97
44) Isopropyl Acetate	8.17	43	149150	20.978	ug/l	99
45) 1,4-Dioxane	9.20	88	16793	426.329	ug/l #	84
46) Methyl methacrylate	9.20	41	77655	21.113	ug/l	97
47) n-amyl Acetate	12.07	43	102596	19.591	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	104026	19.129	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	133020	19.814	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	82693	21.218	ug/l	98
51) Ethyl methacrylate	10.43	69	93557	20.138	ug/l	99
52) 1,3-Dichloropropane	10.71	76	140902	20.632	ug/l	100
53) Dibromochloromethane	10.90	129	79200	19.728	ug/l	97
54) 1,2-Dibromoethane	11.00	107	74585	20.385	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	187761	96.672	ug/l	100
56) Bromoform	12.13	173	46202	18.316	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	431855	107.063	ug/l	99
59) 2-Hexanone	10.75	43	259178	101.144	ug/l	99
61) Tetrachloroethene	10.63	164	93953	20.640	ug/l	100
62) Toluene	10.15	91	392110	20.346	ug/l	99
64) Chlorobenzene	11.43	112	237419	20.406	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	83473	20.172	ug/l	96
66) Ethyl Benzene	11.51	91	408830	19.789	ug/l	100
67) m/p-Xylenes	11.62	106	312625	40.711	ug/l	97
68) o-Xylene	11.95	106	153179	20.185	ug/l	99
69) Styrene	11.96	104	229989	19.517	ug/l	99
70) Isopropylbenzene	12.25	105	403321	19.878	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	99082	21.350	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	111941	29.208	ug/l	56
73) Bromobenzene	12.53	156	95619	19.938	ug/l	98
74) n-propylbenzene	12.59	91	437582	19.264	ug/l	99
75) 2-Chlorotoluene	12.67	91	274492	20.036	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	320213	19.521	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17156	17.759	ug/l	95
78) 4-Chlorotoluene	12.77	91	249799	19.137	ug/l	100
79) tert-butylbenzene	12.99	119	281936	19.863	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	315055	19.551	ug/l	99
81) sec-Butylbenzene	13.17	105	366442	19.322	ug/l	99
82) p-Isopropyltoluene	13.29	119	300327	18.763	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	151257	18.852	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	139327	18.274	ug/l	98
85) n-Butylbenzene	13.61	91	216650	16.992	ug/l	99
86) Hexachloroethane	13.87	117	47629	18.589	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	152395	19.395	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11347	18.397	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	56404	16.057	ug/l	97
90) Hexachlorobutadiene	15.01	225	44099	17.218	ug/l	99
91) Naphthalene	15.13	128	118893	16.164	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	58285	16.590	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

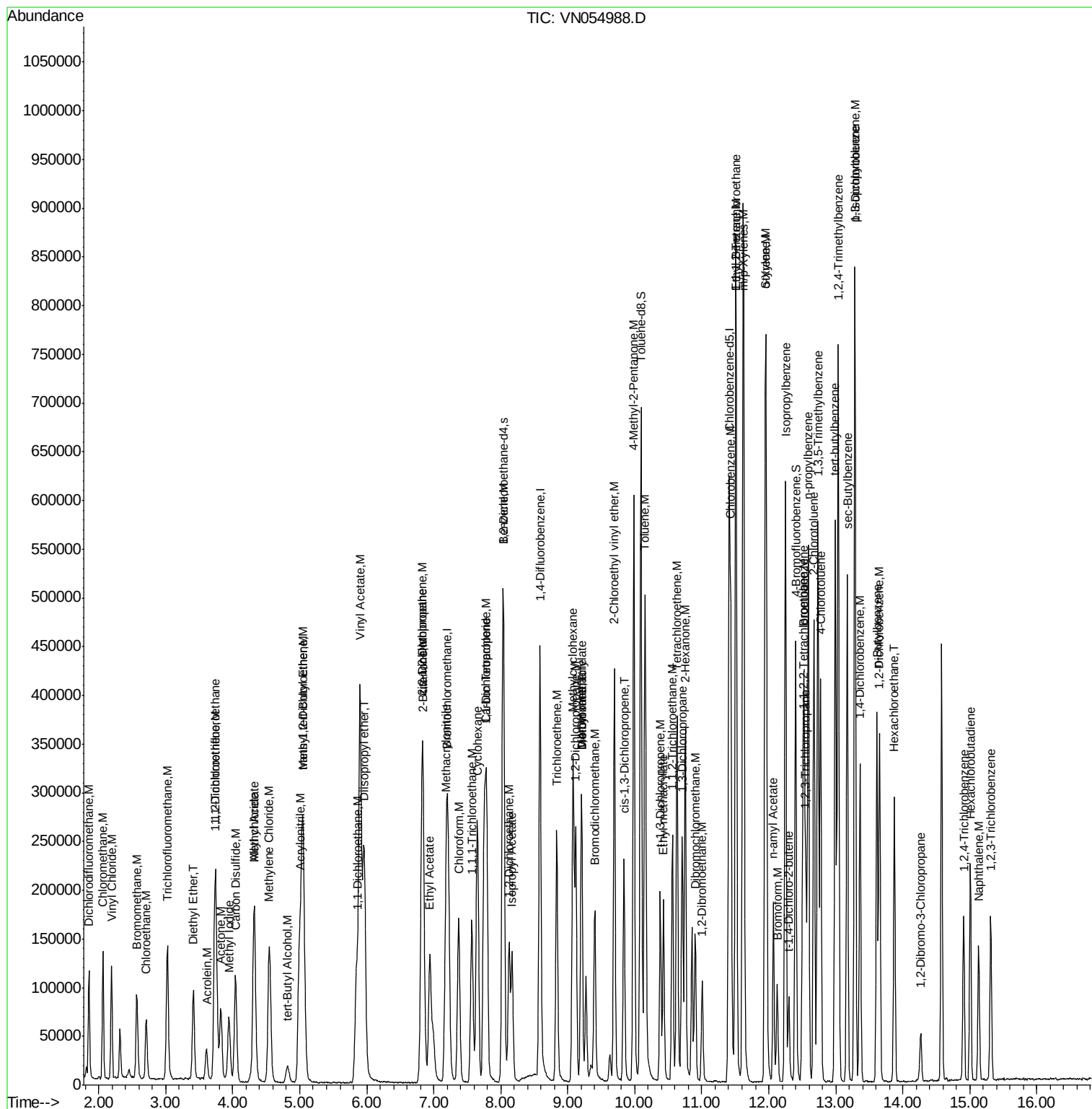
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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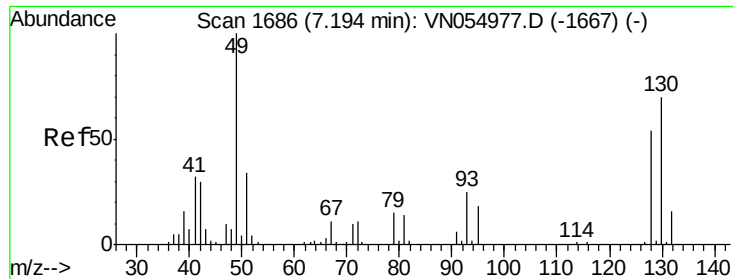
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 12 08:05:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
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QLast Update : Fri Apr 12 07:55:25 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampled :

VN0411WBSD01

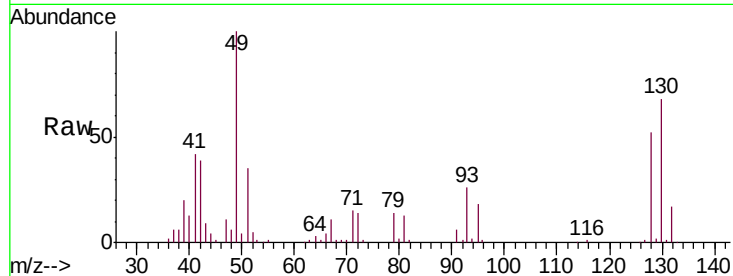
Tgt Ion:128 Resp: 73828

Ion Ratio Lower Upper

128 100

49 192.6 0.0 480.3

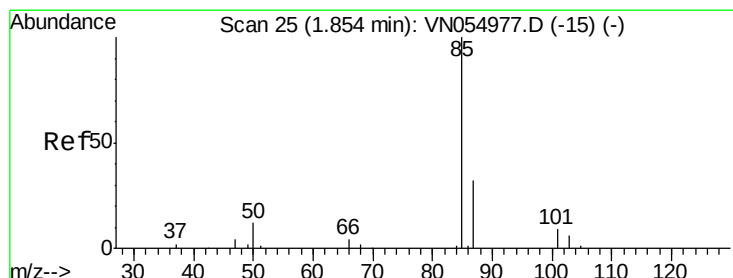
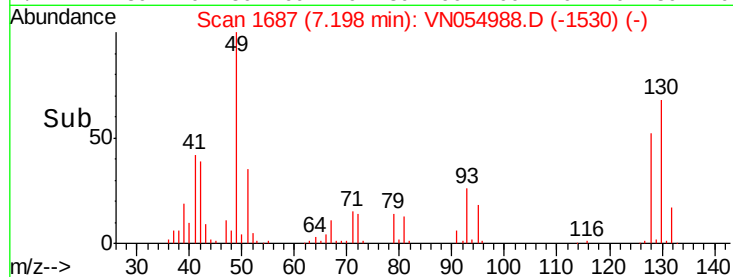
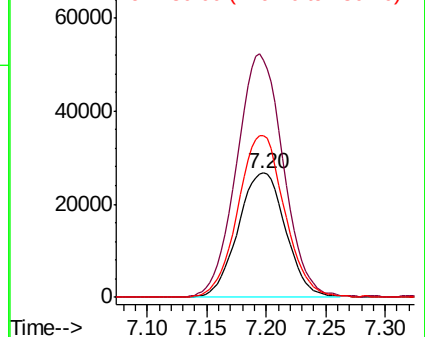
130 128.2 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.083 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054988.D

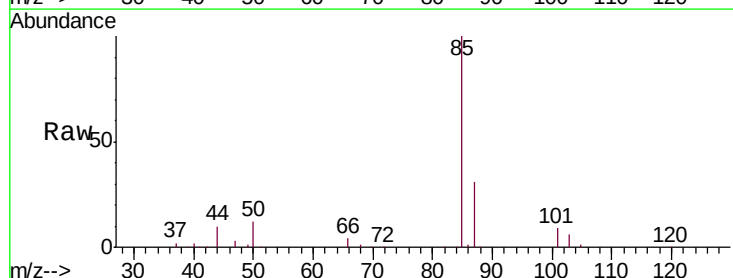
Acq: 11 Apr 2019 20:15

Tgt Ion: 85 Resp: 82861

Ion Ratio Lower Upper

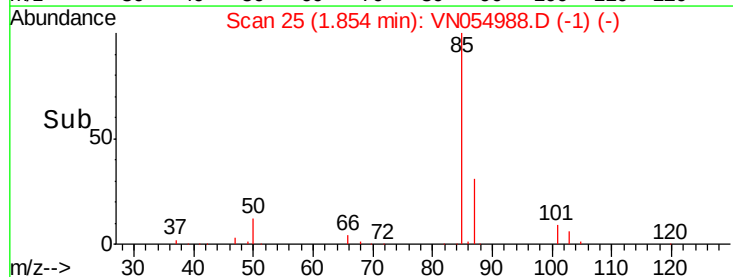
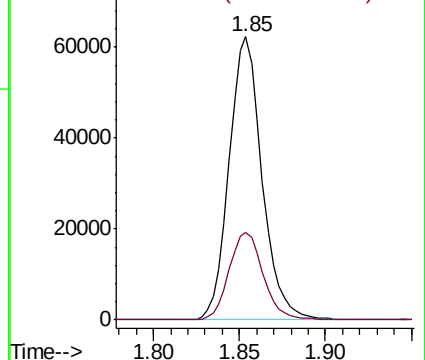
85 100

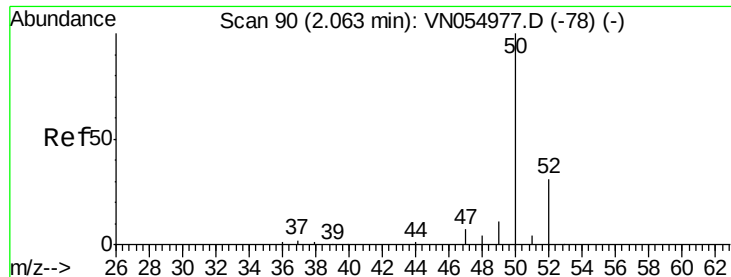
87 31.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

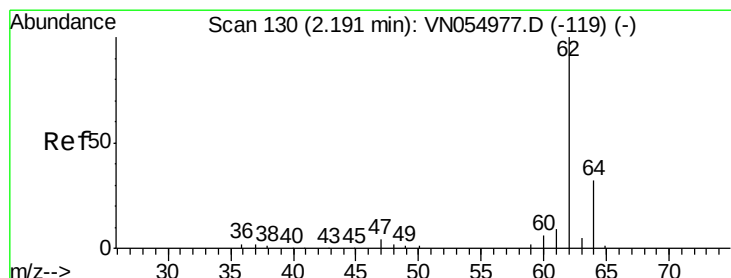
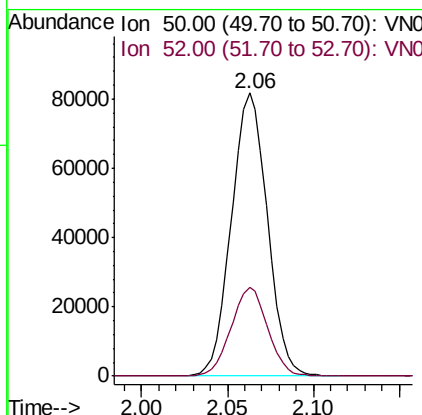
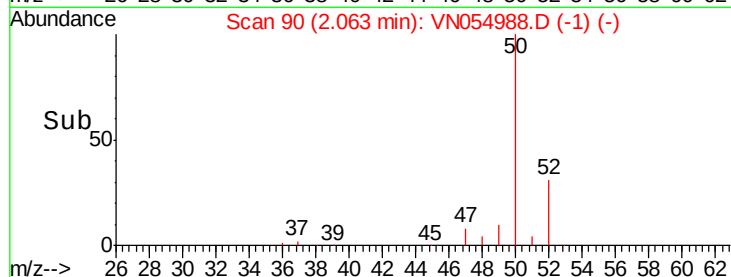
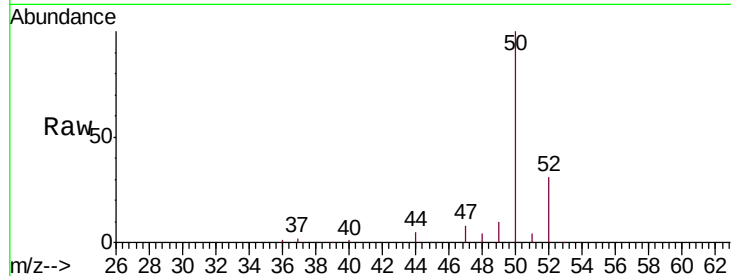




#3
 Chloromethane
 Concen: 20.289 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

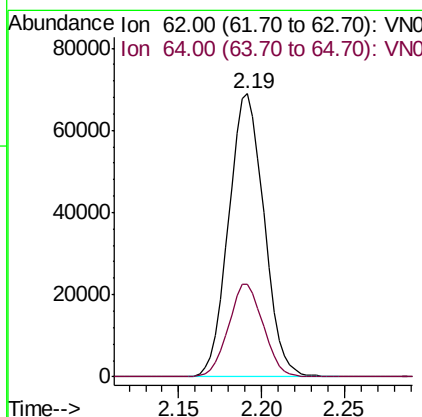
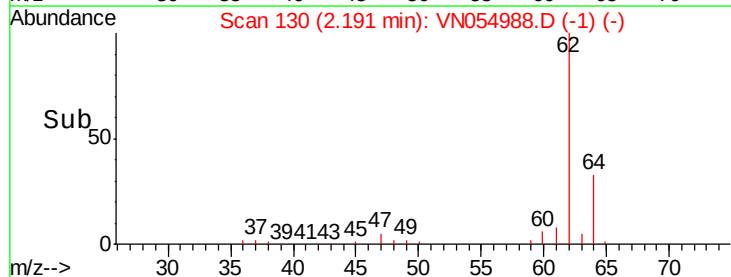
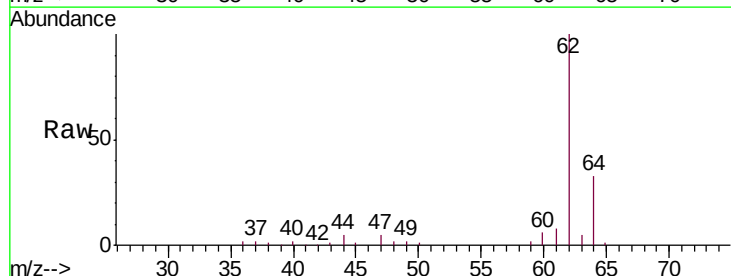
Instrument :
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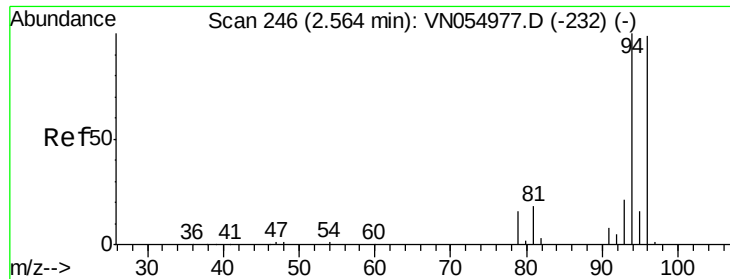
Tgt Ion: 50 Resp: 119008
 Ion Ratio Lower Upper
 50 100
 52 31.4 24.5 36.7



#4
 Vinyl Chloride
 Concen: 20.165 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 62 Resp: 102284
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.6 38.4

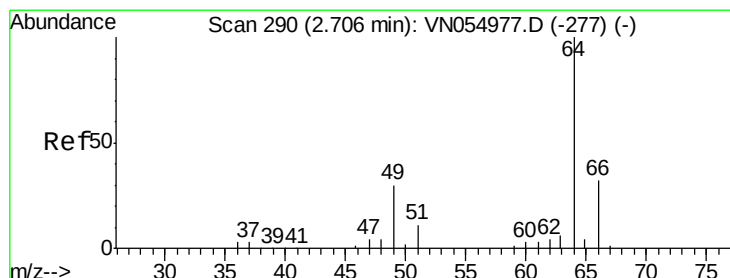
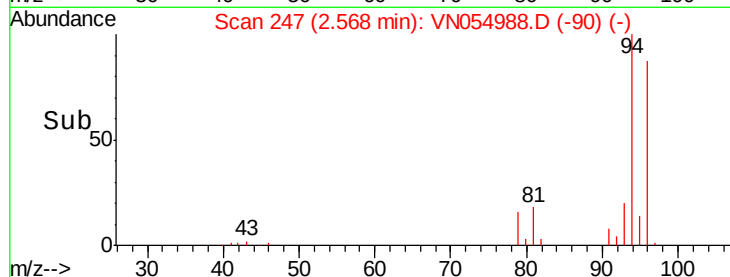
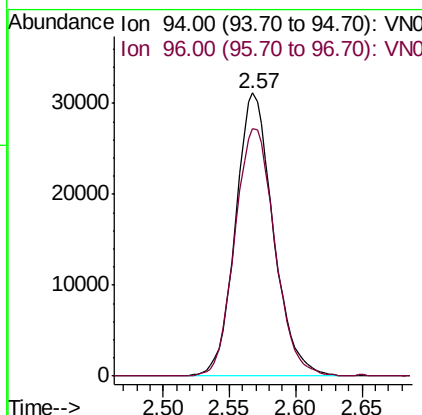
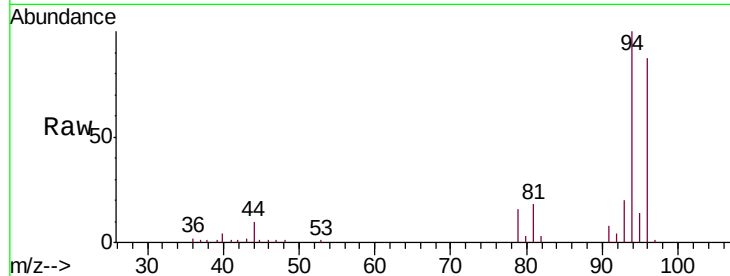




#5
Bromomethane
Concen: 20.973 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

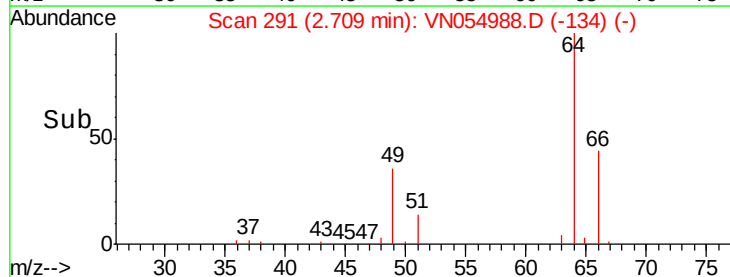
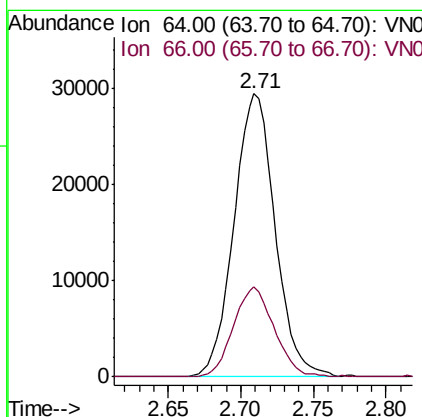
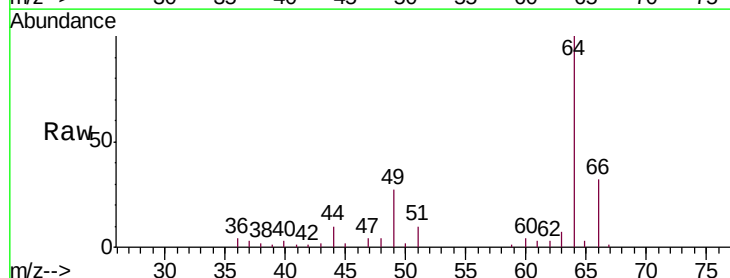
Instrument :
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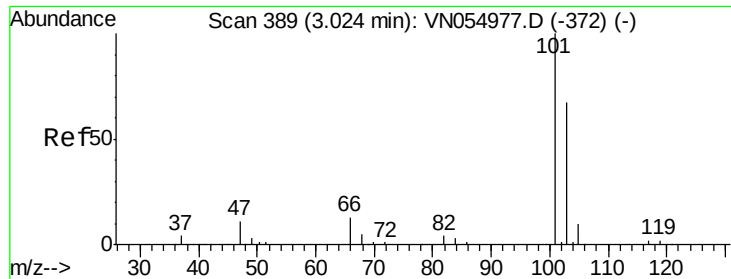
Tgt Ion: 94 Resp: 61533
Ion Ratio Lower Upper
94 100
96 87.4 79.1 118.7



#6
Chloroethane
Concen: 20.419 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 64 Resp: 58007
Ion Ratio Lower Upper
64 100
66 31.8 25.7 38.5



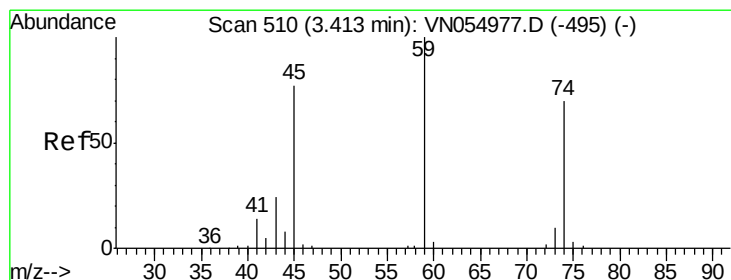
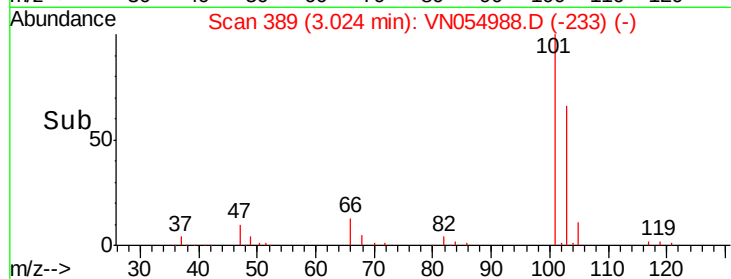
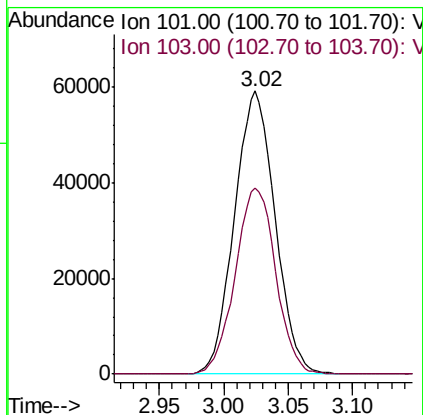
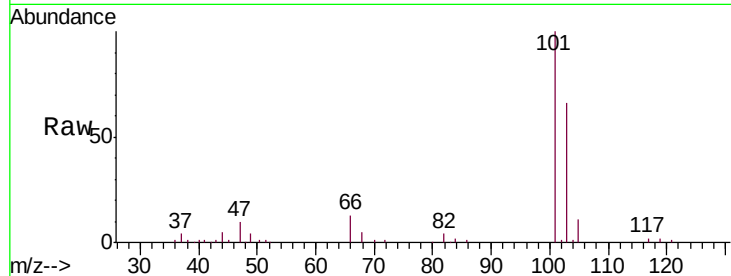


#7

Trichlorofluoromethane
 Concen: 20.026 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054988.D
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Instrument :
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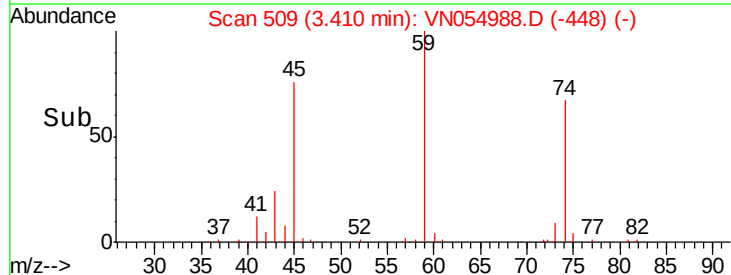
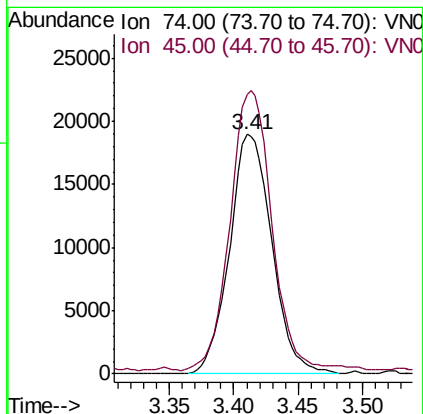
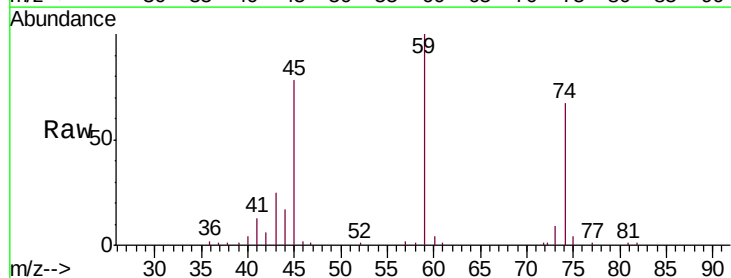
Tgt Ion: 101 Resp: 129801
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.4 80.0

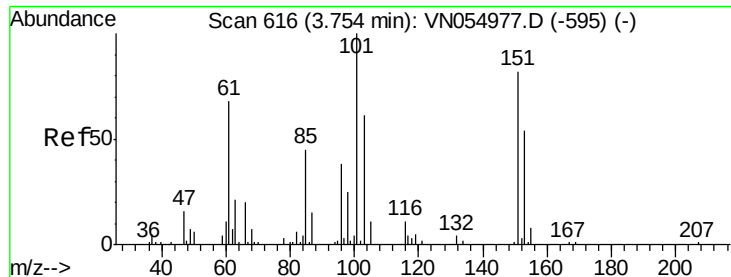


#8

Diethyl Ether
 Concen: 20.868 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 74 Resp: 43430
 Ion Ratio Lower Upper
 74 100
 45 114.0 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.263 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

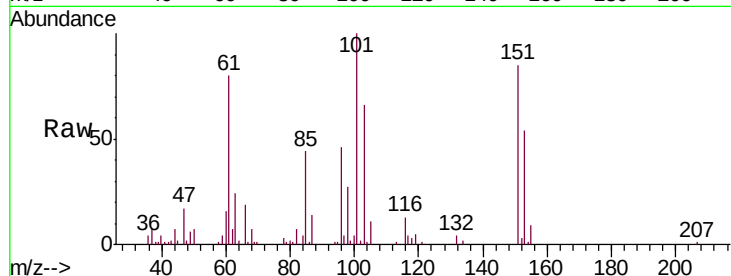
Tgt Ion:101 Resp: 68250

Ion Ratio Lower Upper

101 100

85 45.7 0.0 91.4

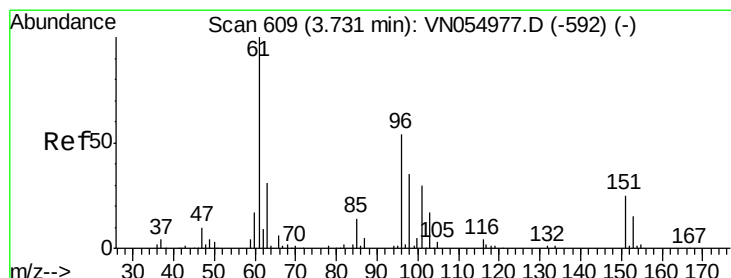
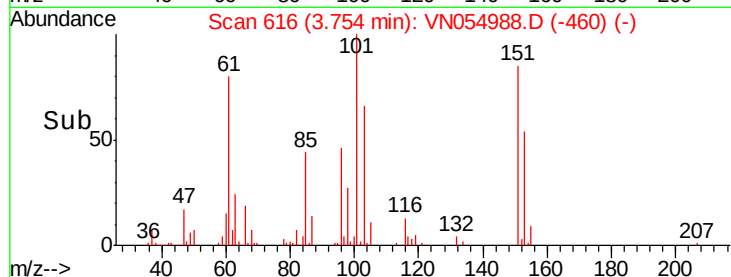
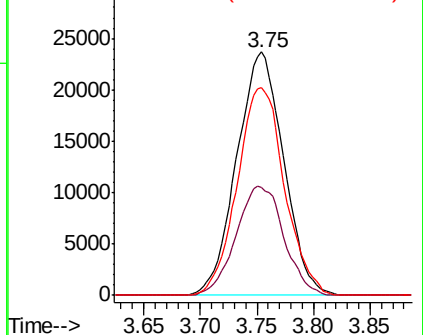
151 86.1 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.080 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

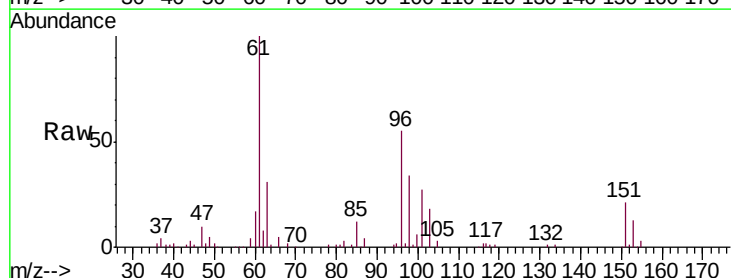
Tgt Ion: 96 Resp: 65780

Ion Ratio Lower Upper

96 100

61 180.2 148.4 222.6

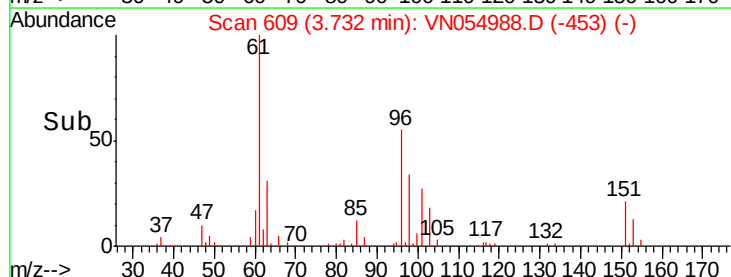
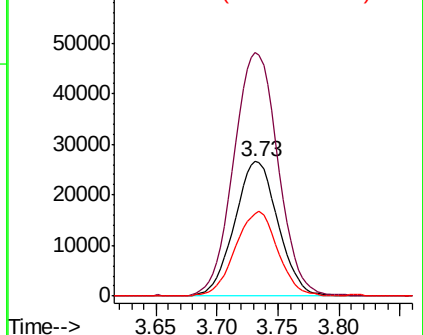
98 61.1 52.2 78.2

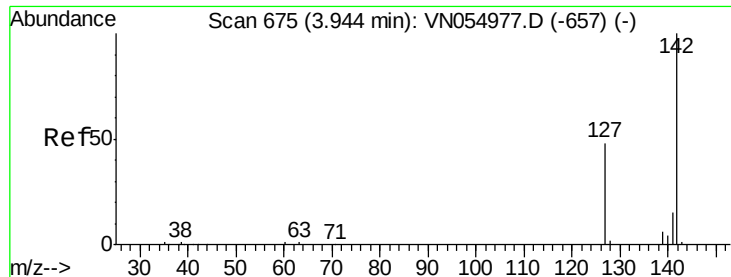


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

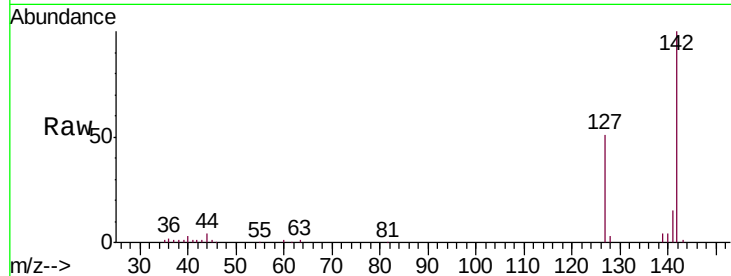




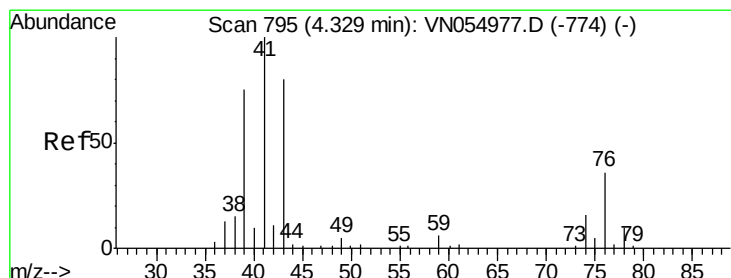
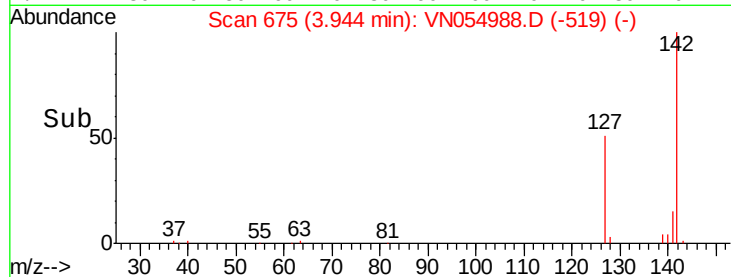
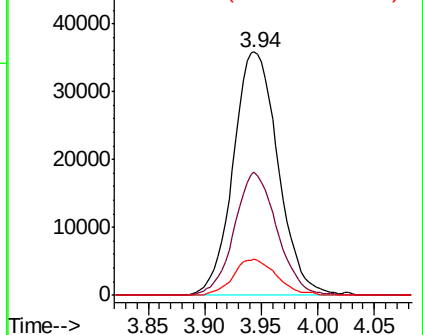
#11
Methyl Iodide
Concen: 19.925 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tgt Ion: 142 Resp: 98775
Ion Ratio Lower Upper
142 100
127 50.6 23.8 71.5
141 14.8 7.3 22.0

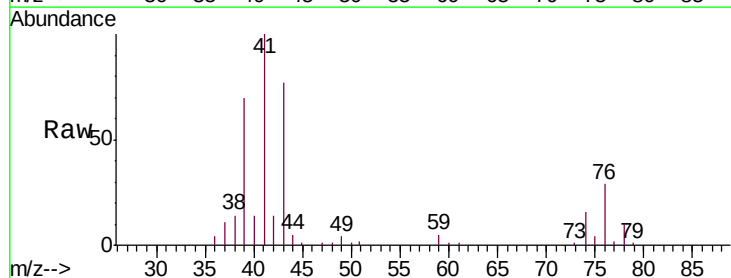


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

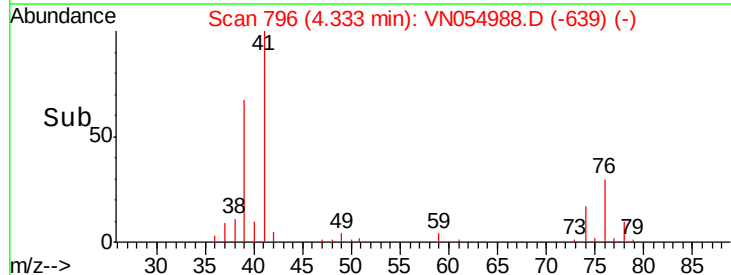
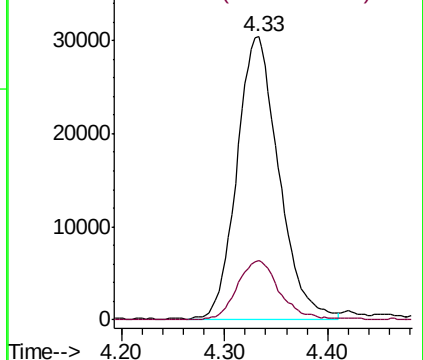


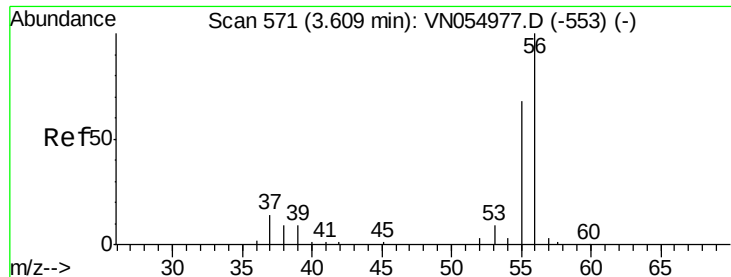
#12
Methyl Acetate
Concen: 21.444 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 43 Resp: 86405
Ion Ratio Lower Upper
43 100
74 21.0 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 95.966 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

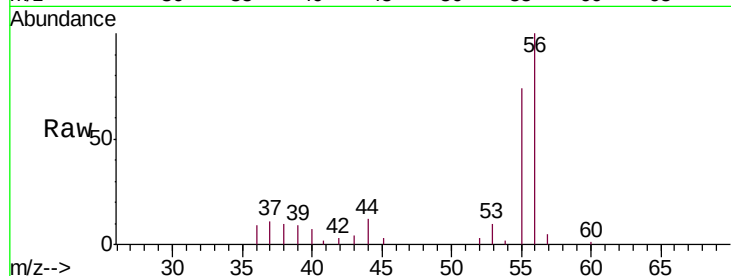
VN0411WBSD01

Tgt Ion: 56 Resp: 33889

Ion Ratio Lower Upper

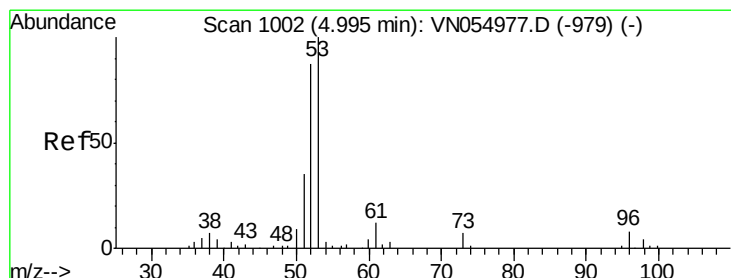
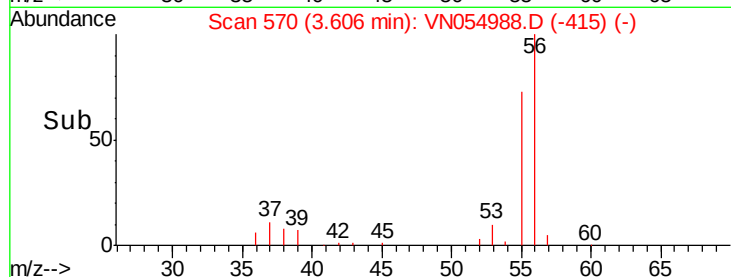
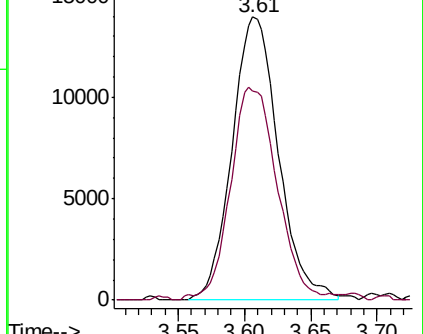
56 100

55 72.6 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 105.070 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

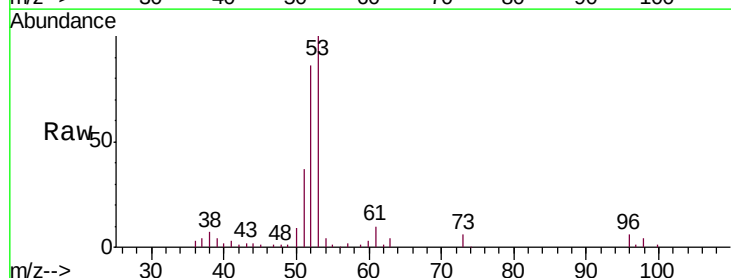
Tgt Ion: 53 Resp: 173448

Ion Ratio Lower Upper

53 100

52 82.7 42.3 126.8

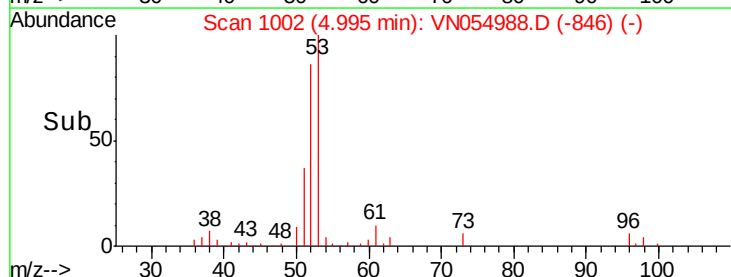
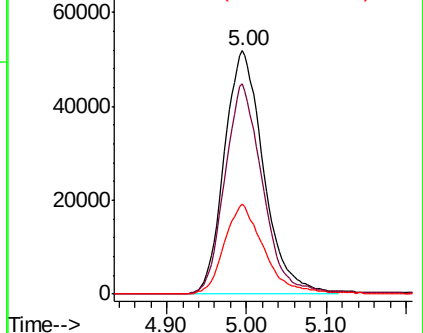
51 37.2 18.6 56.0

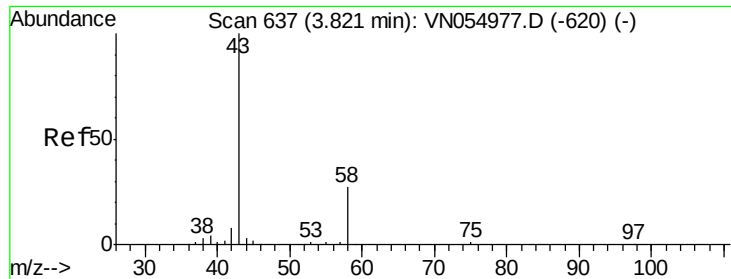


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 77.953 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

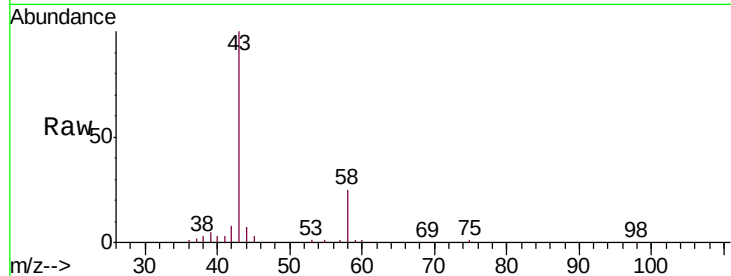
VN0411WBSD01

Tgt Ion: 58 Resp: 31843

Ion Ratio Lower Upper

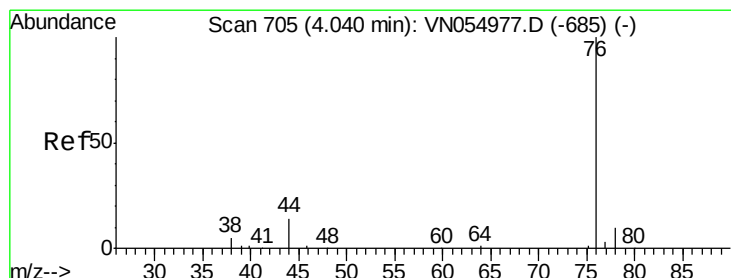
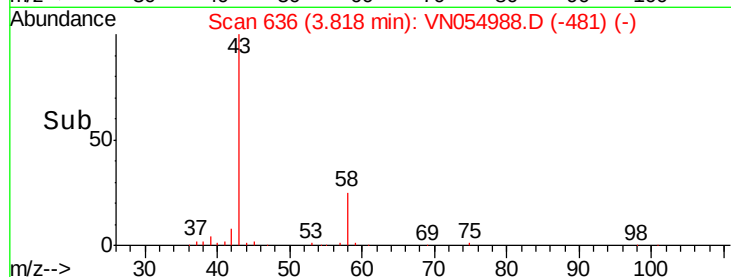
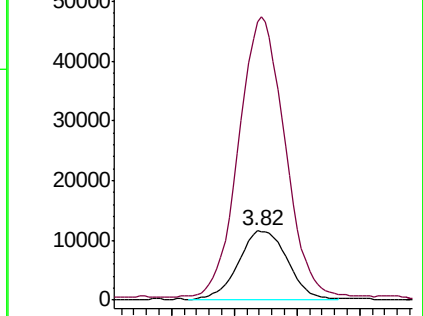
58 100

43 394.3 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.289 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054988.D

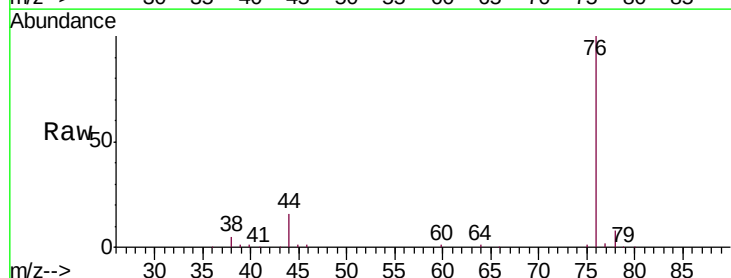
Acq: 11 Apr 2019 20:15

Tgt Ion: 76 Resp: 211951

Ion Ratio Lower Upper

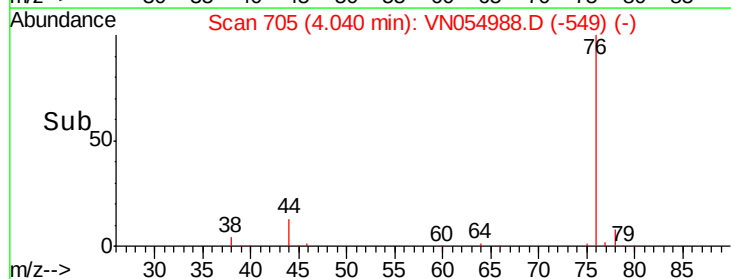
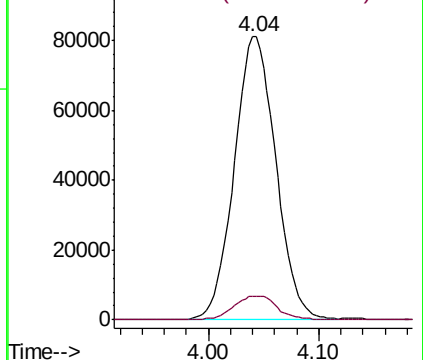
76 100

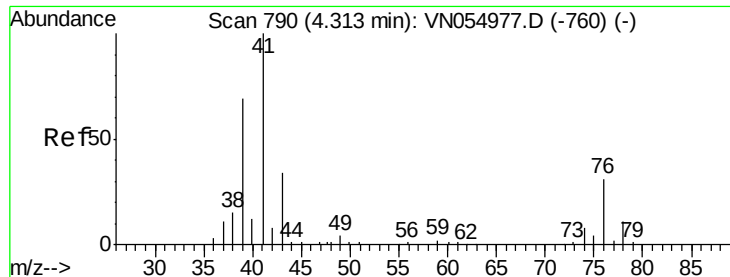
78 8.4 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 20.249 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampled :

VN0411WBSD01

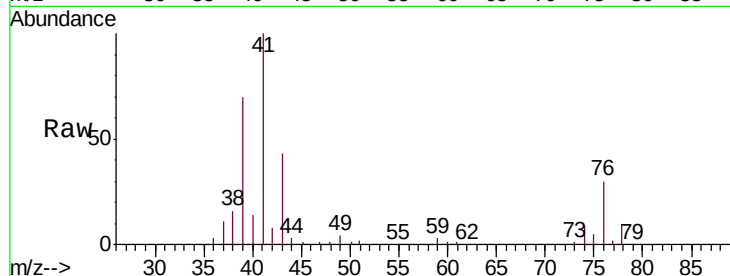
Tgt Ion: 41 Resp: 163354

Ion Ratio Lower Upper

41 100

39 69.3 34.3 102.9

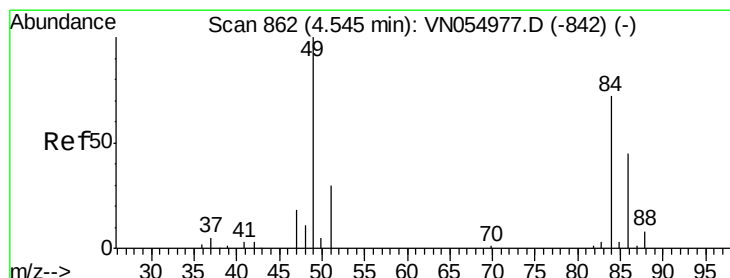
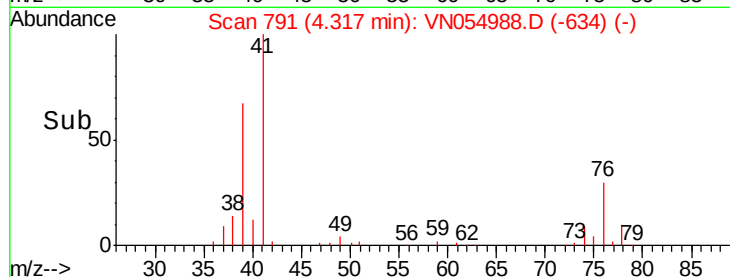
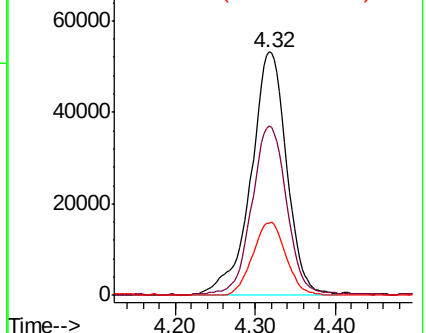
76 29.8 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.234 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion: 84 Resp: 97979

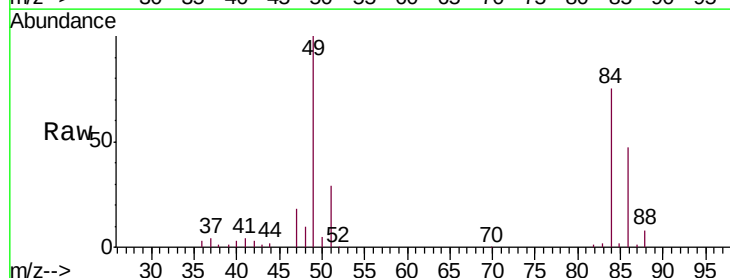
Ion Ratio Lower Upper

84 100

49 134.0 111.0 166.4

51 38.8 33.4 50.2

86 62.8 49.5 74.3

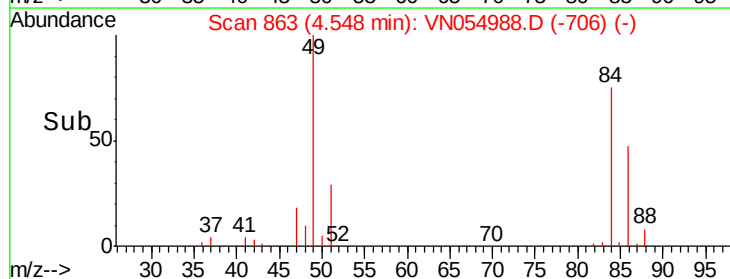
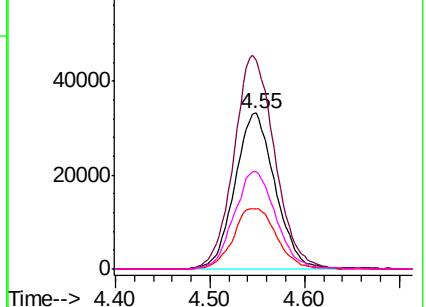


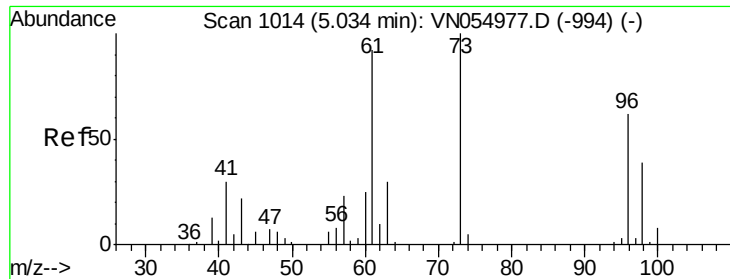
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

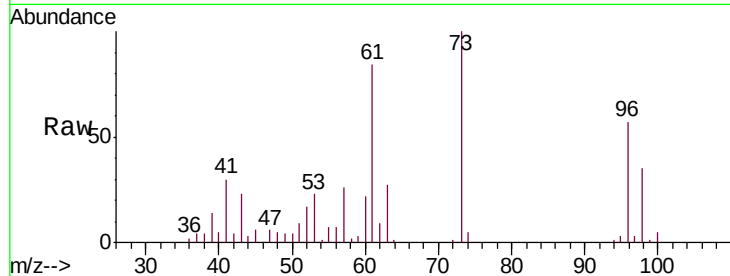




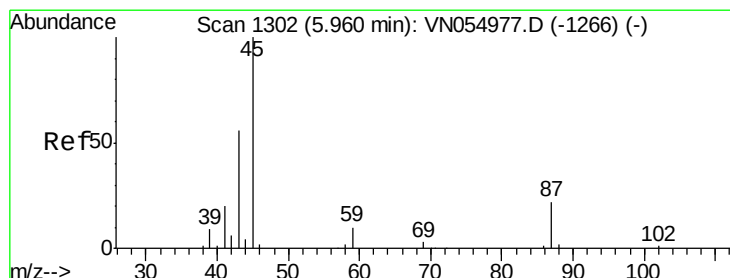
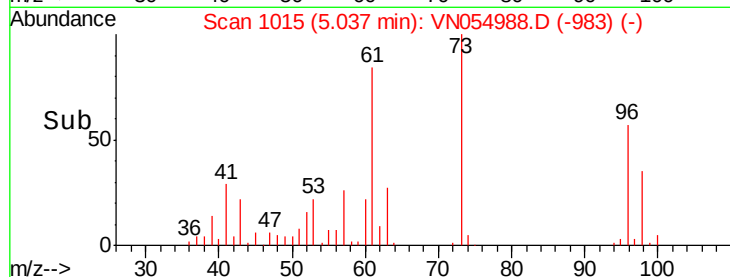
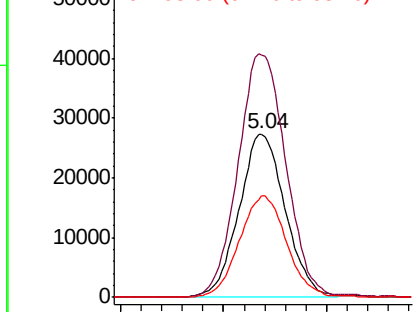
#19
trans-1,2-Dichloroethene
Concen: 19.961 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

Tgt Ion: 96 Resp: 85122
Ion Ratio Lower Upper
96 100
61 148.0 117.2 175.8
98 62.1 49.4 74.2

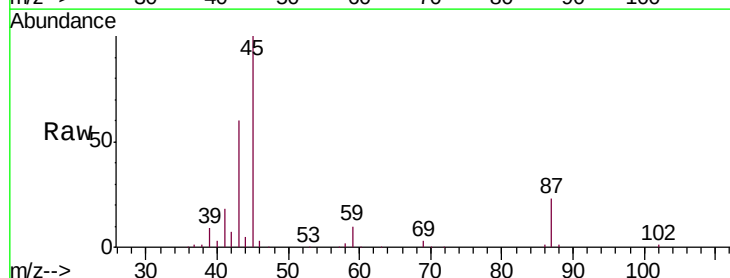


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

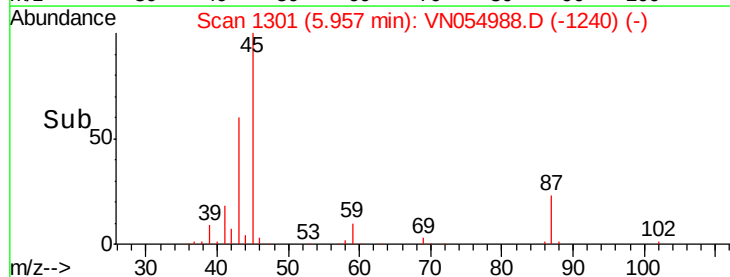
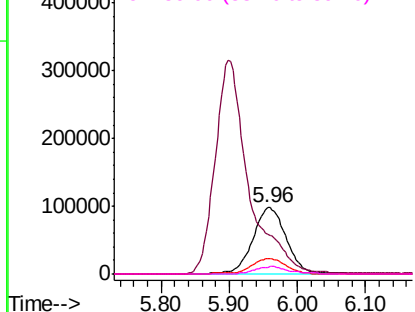


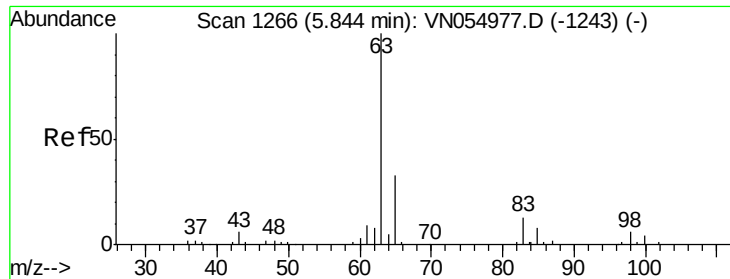
#20
Diisopropyl ether
Concen: 20.475 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 45 Resp: 334612
Ion Ratio Lower Upper
45 100
43 58.3 45.8 68.8
87 23.1 18.2 27.4
59 10.1 8.2 12.2



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

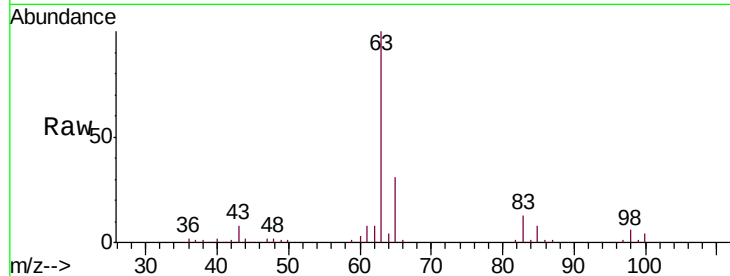




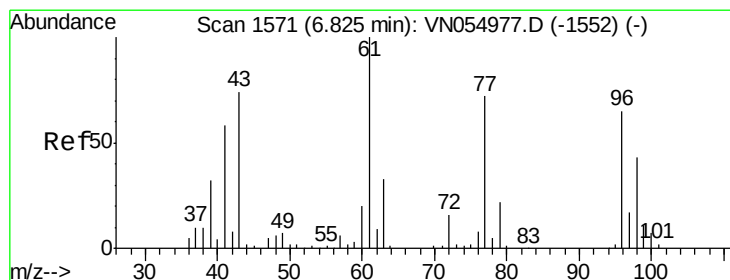
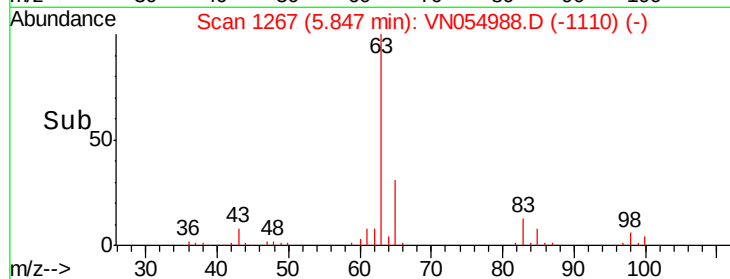
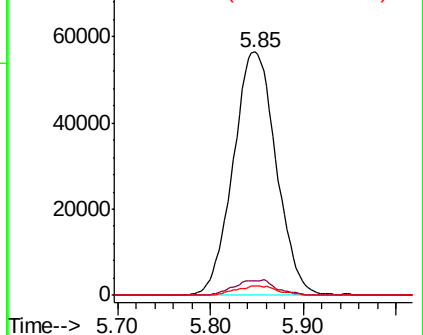
#21
 1,1-Dichloroethane
 Concen: 20.797 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tgt Ion: 63 Resp: 181534
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 4.0 2.0 5.8

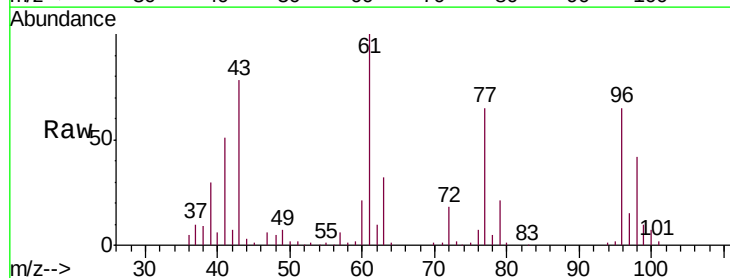


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

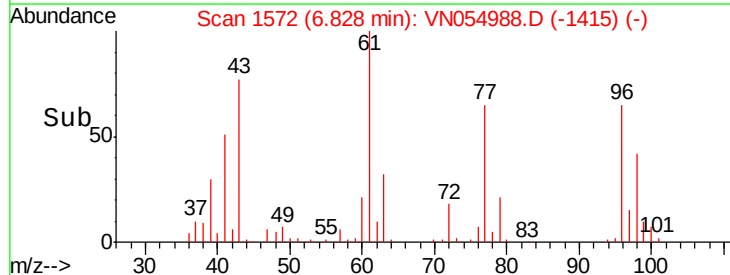
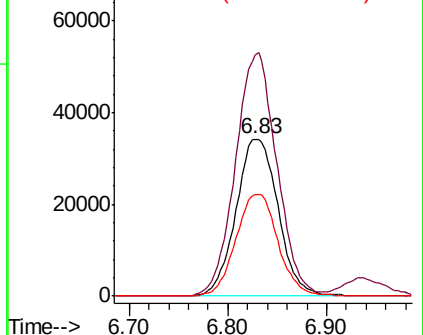


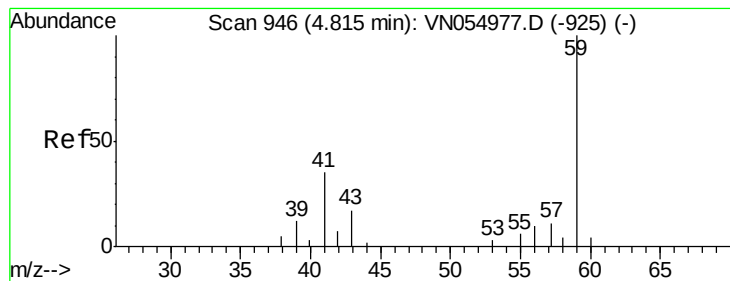
#22
 cis-1,2-Dichloroethene
 Concen: 20.381 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 96 Resp: 101022
 Ion Ratio Lower Upper
 96 100
 61 152.0 125.0 187.6
 98 65.0 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



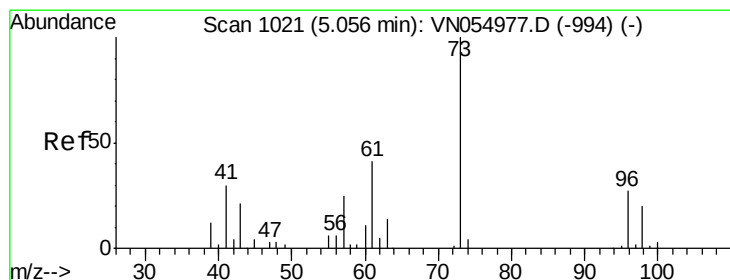
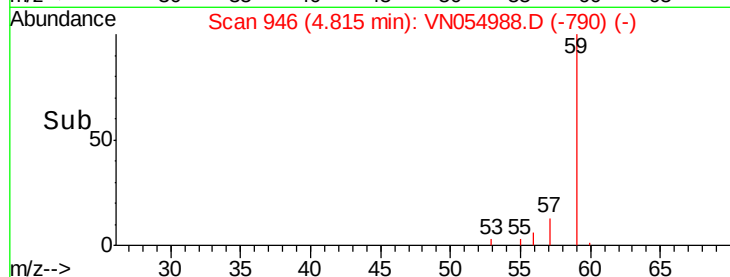
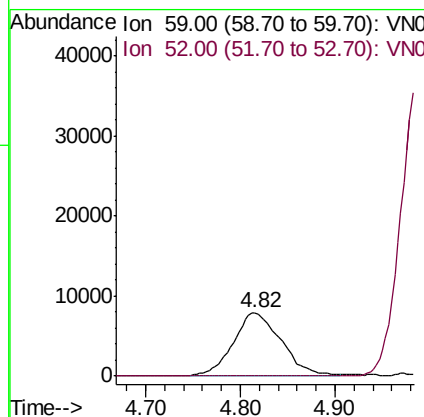
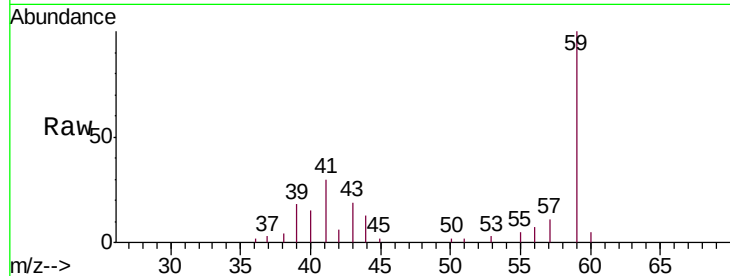


#23

tert-Butyl Alcohol
 Concen: 107.005 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

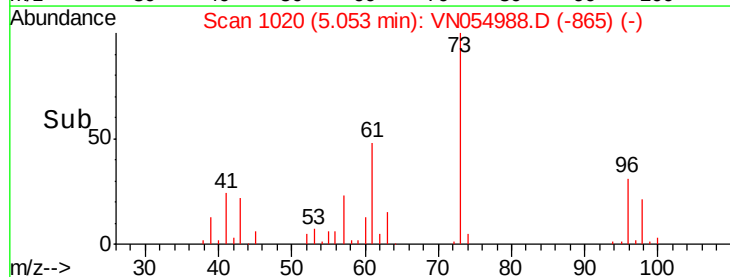
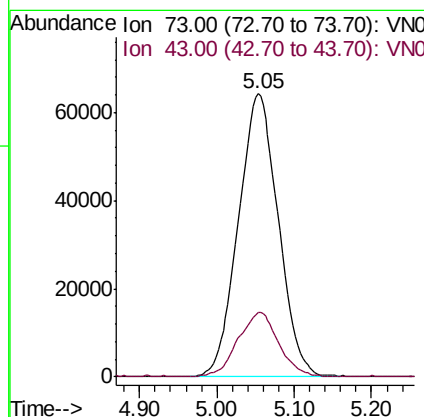
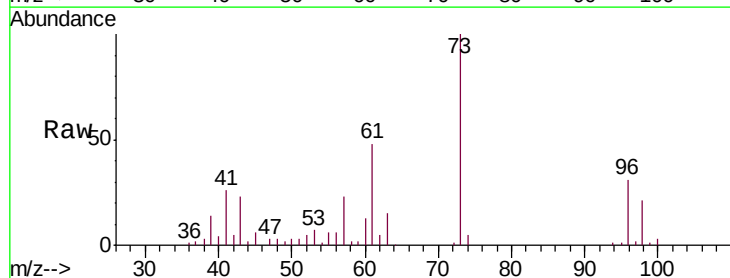
Tgt Ion: 59 Resp: 28166
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

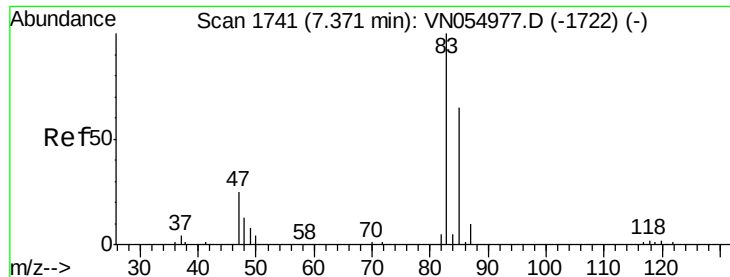


#24

Methyl tert-Butyl Ether
 Concen: 21.004 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 73 Resp: 231033
 Ion Ratio Lower Upper
 73 100
 43 23.3 8.0 12.0#

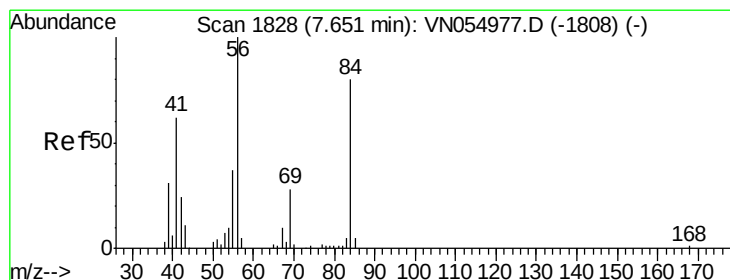
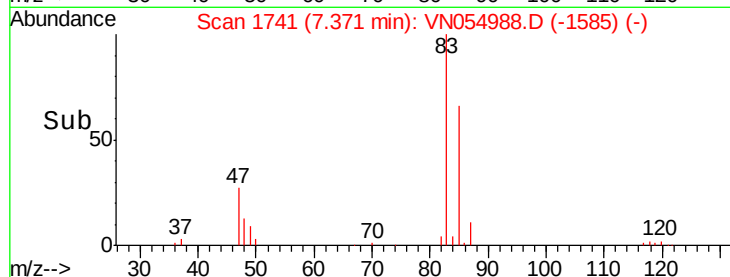
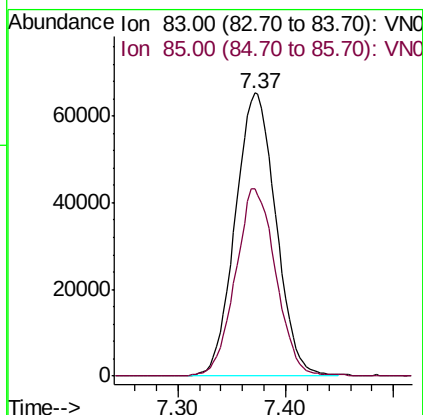
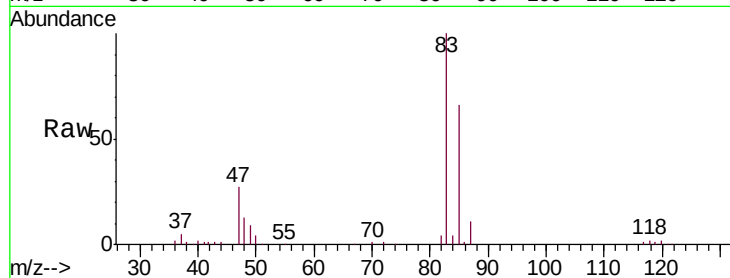




#25
Chloroform
Concen: 20.416 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

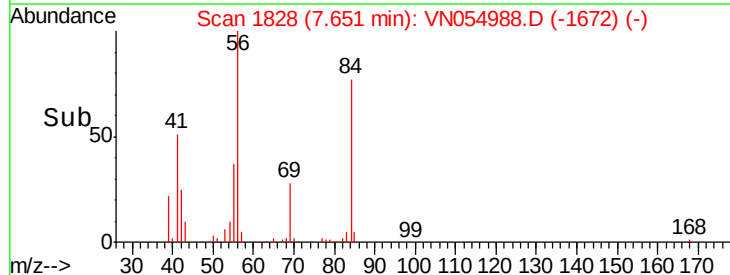
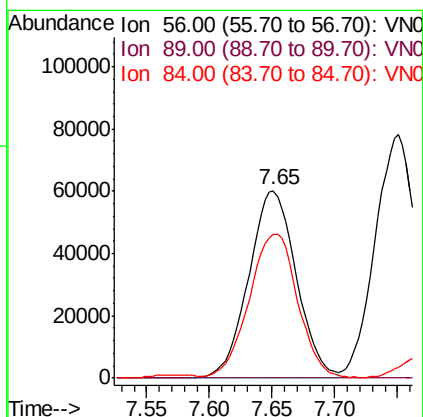
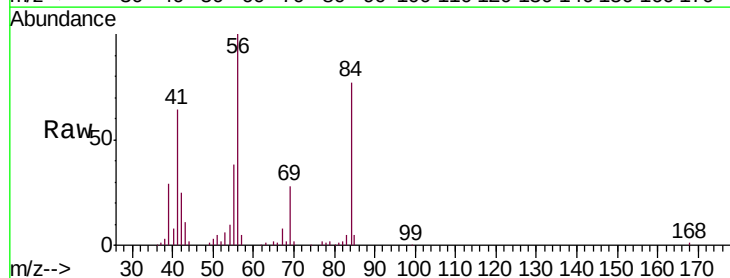
Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

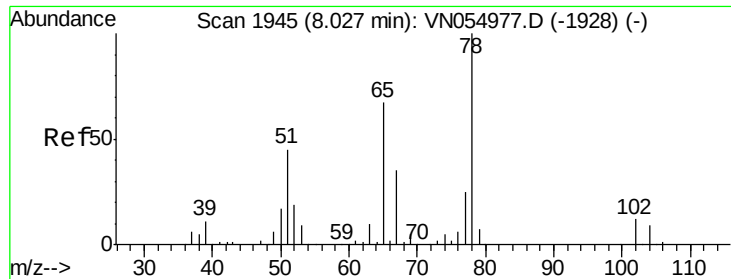
Tgt Ion: 83 Resp: 170705
Ion Ratio Lower Upper
83 100
85 65.9 51.8 77.8



#26
Cyclohexane
Concen: 19.611 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 56 Resp: 158833
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.2 63.5 95.3

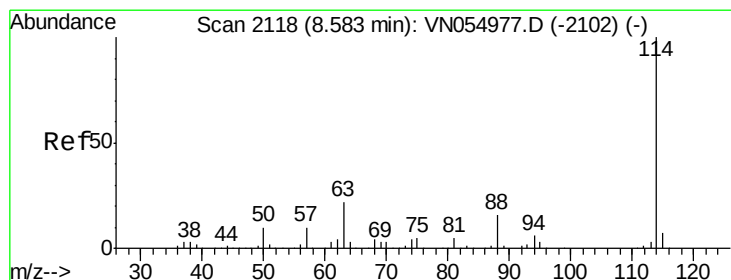
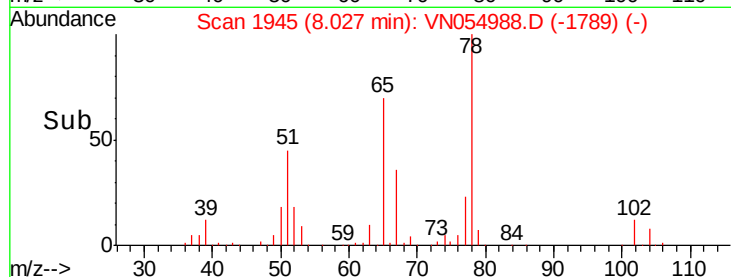
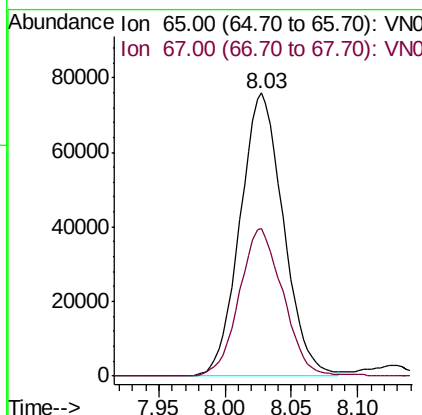
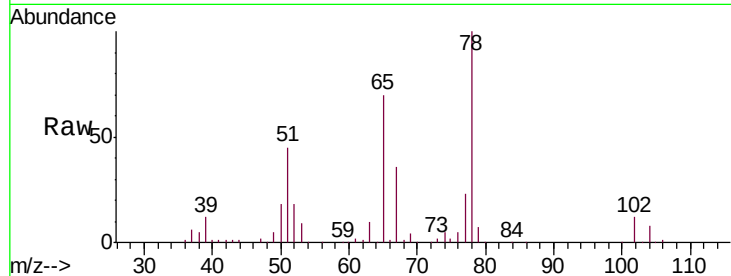




#27
 1,2-Dichloroethane-d4
 Concen: 19.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

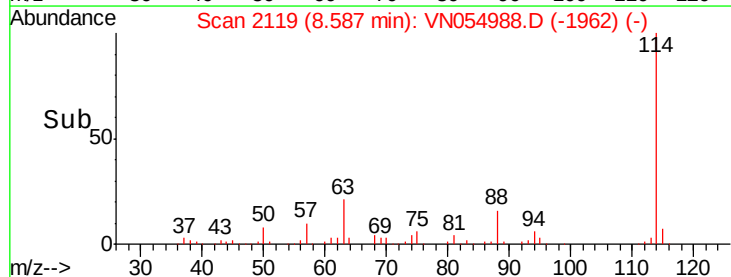
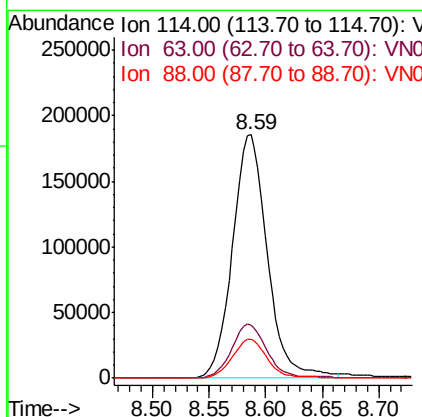
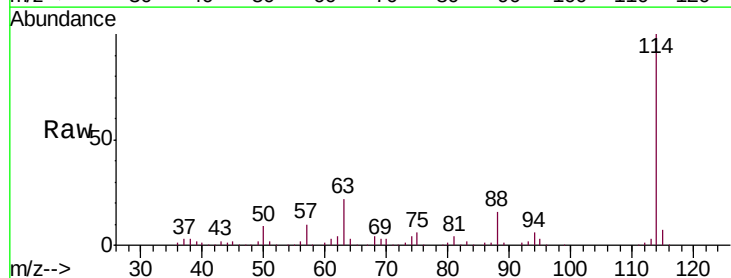
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

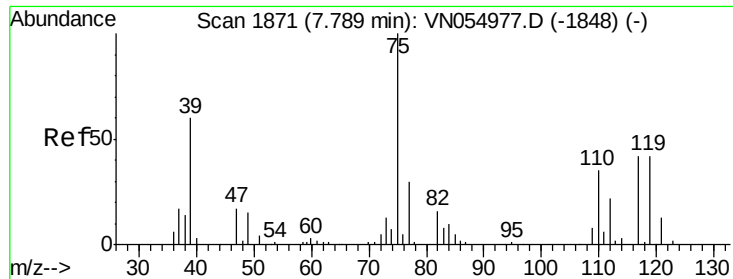
Tgt Ion: 65 Resp: 172431
 Ion Ratio Lower Upper
 65 100
 67 52.5 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 114 Resp: 398364
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.0 25.4
 88 16.1 12.3 18.5

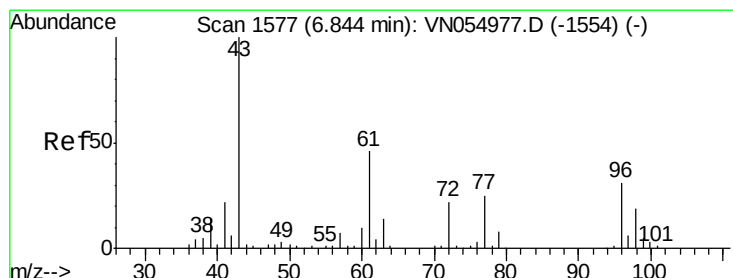
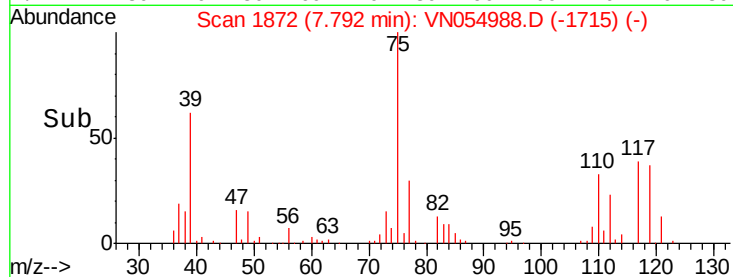
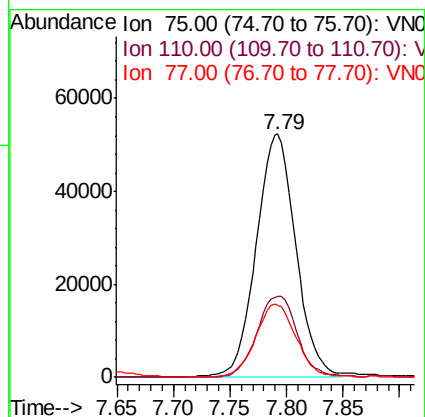
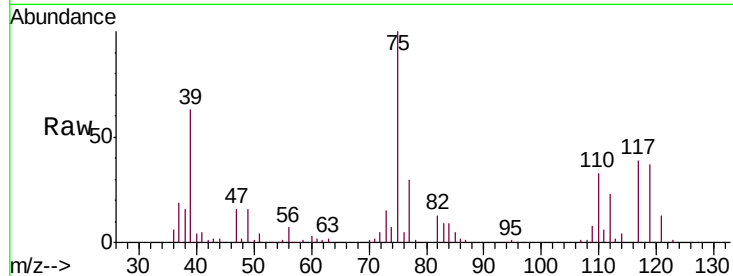




#29
 1,1-Dichloropropene
 Concen: 20.470 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

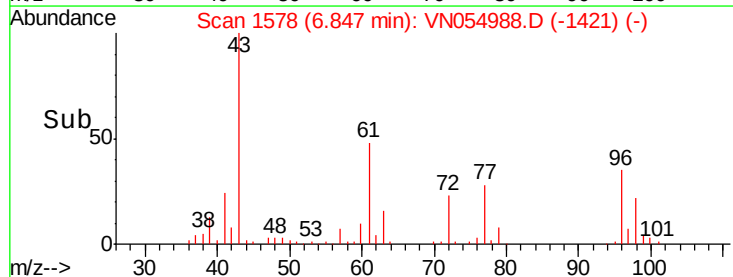
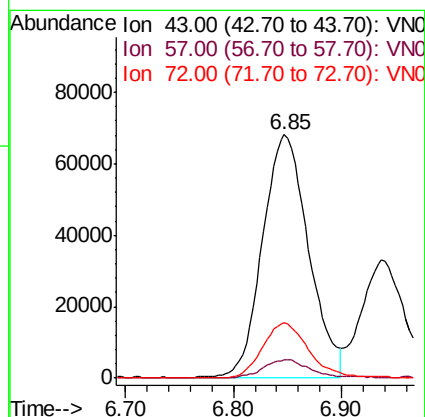
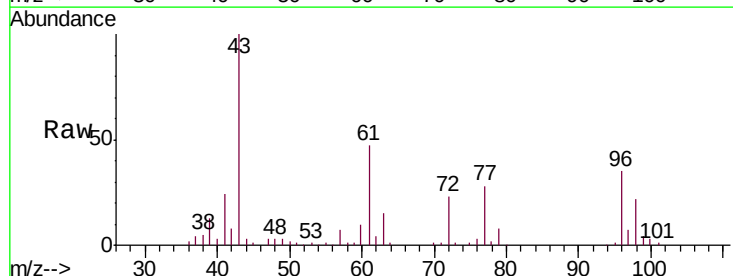
Instrument :
 MSVOA_N
 ClientSampled :
 VN0411WBSD01

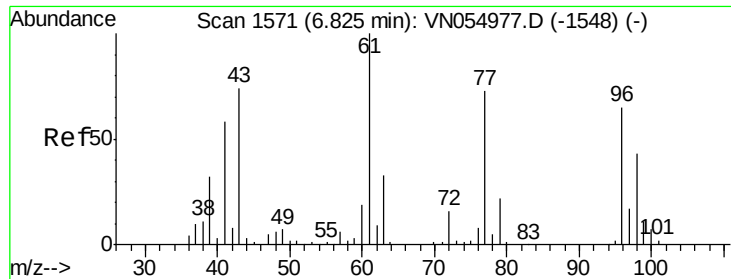
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	68.4
77	30.9	0.0	58.6



#30
 2-Butanone
 Concen: 97.002 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.0	9.0
72	23.3	18.6	27.8

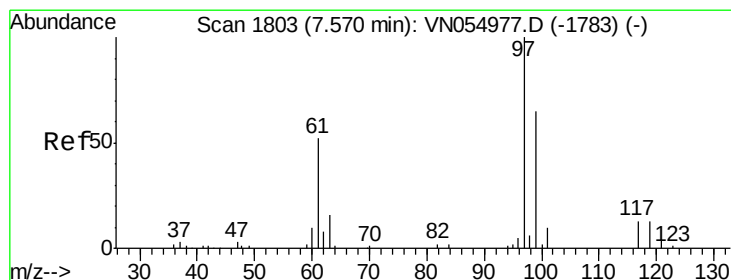
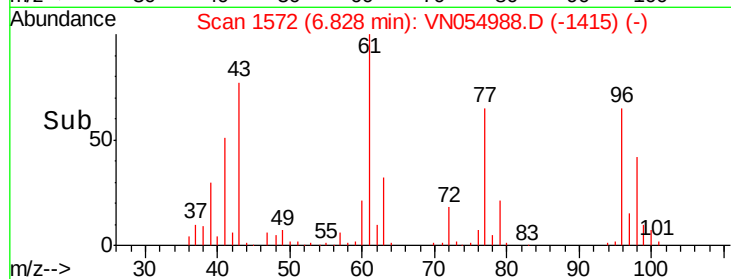
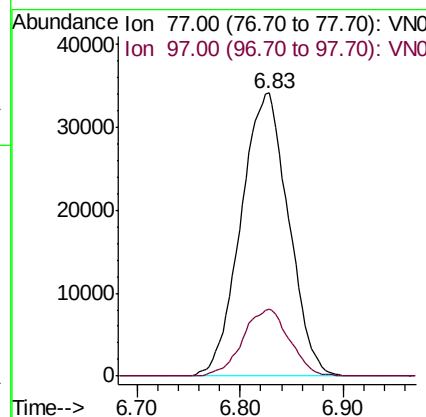
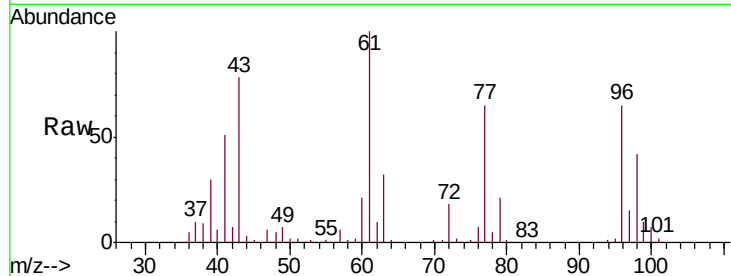




#31
 2,2-Dichloropropane
 Concen: 19.141 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

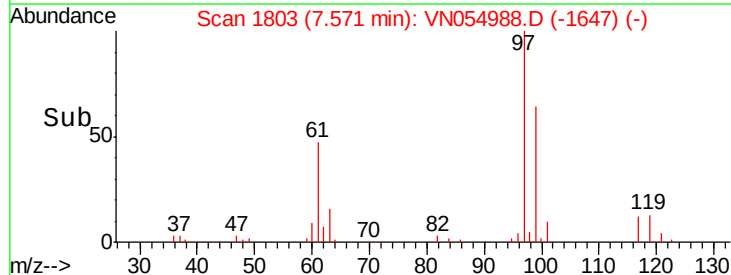
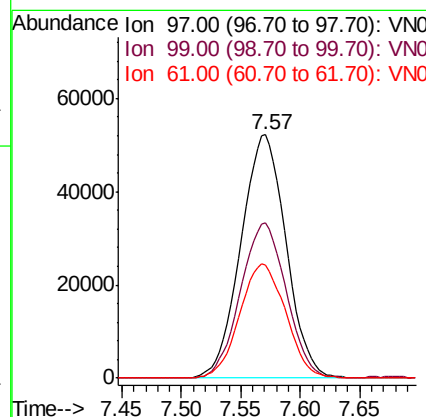
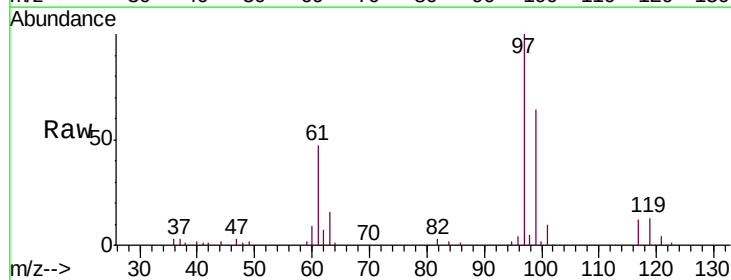
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

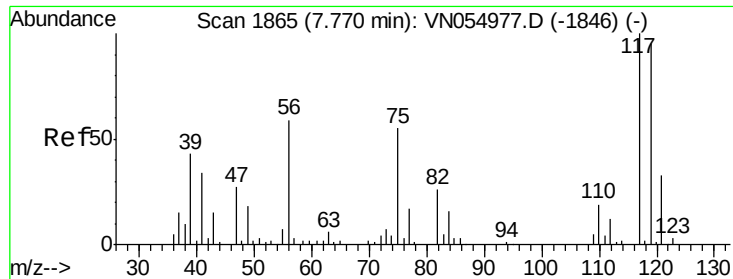
Tgt Ion: 77 Resp: 109295
 Ion Ratio Lower Upper
 77 100
 97 23.0 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.921 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 97 Resp: 137188
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.2 76.8
 61 48.0 40.6 60.8

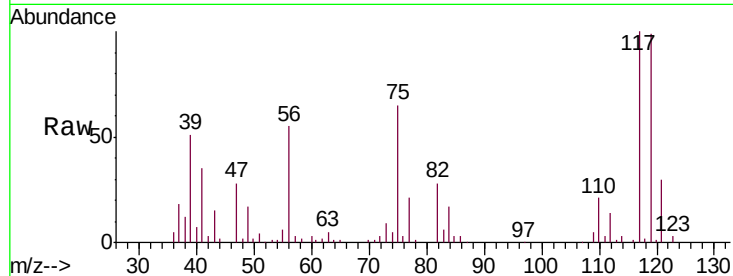




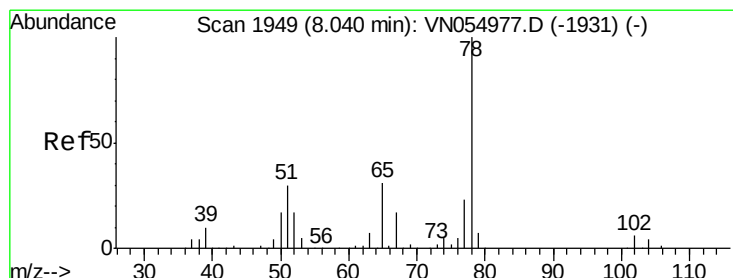
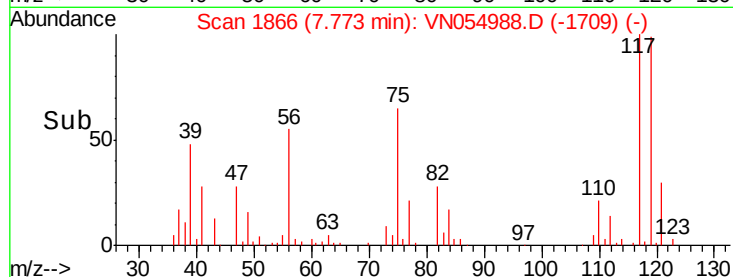
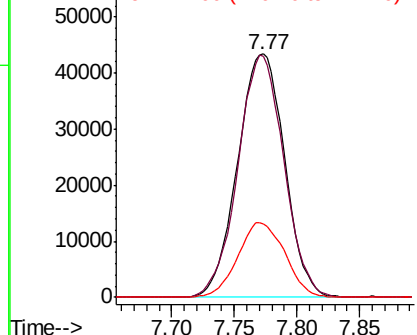
#33
Carbon Tetrachloride
Concen: 19.907 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tgt Ion: 117 Resp: 113023
Ion Ratio Lower Upper
117 100
119 99.2 76.1 114.1
121 30.0 26.2 39.4

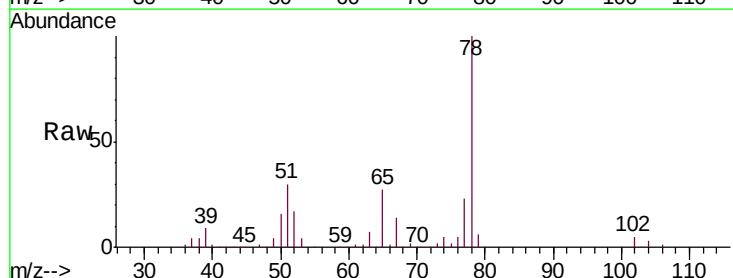


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

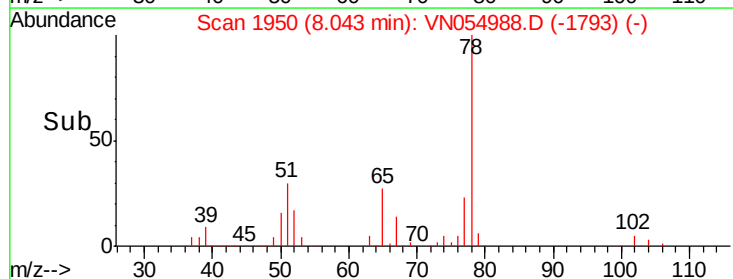
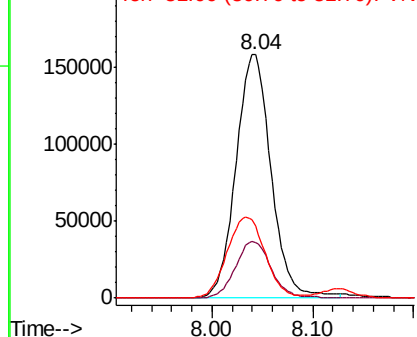


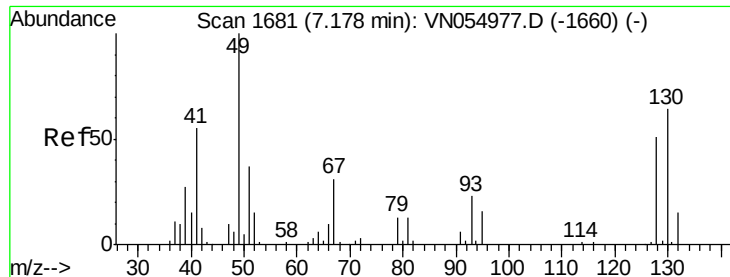
#34
Benzene
Concen: 20.851 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 78 Resp: 383360
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4
51 29.4 23.7 35.5



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

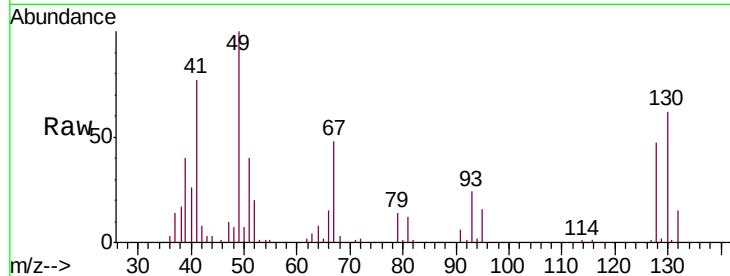




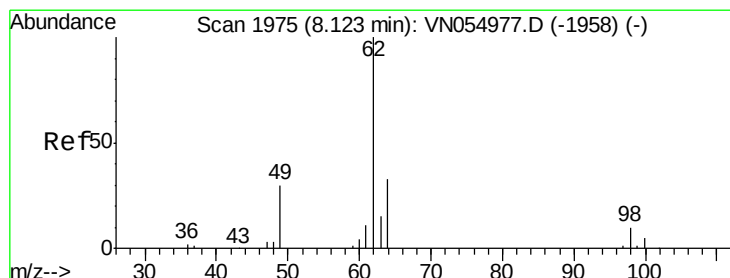
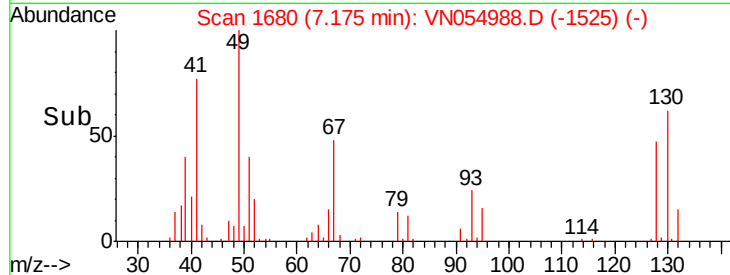
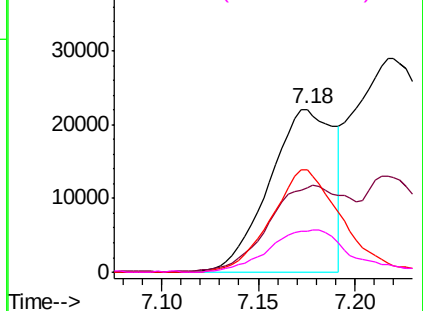
#35
Methacrylonitrile
Concen: 21.265 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

Tgt Ion:	41	Resp:	51615
Ion	Ratio	Lower	Upper
41	100		
39	51.3	24.2	72.6
67	62.5	28.1	84.2
52	25.4	13.3	39.8

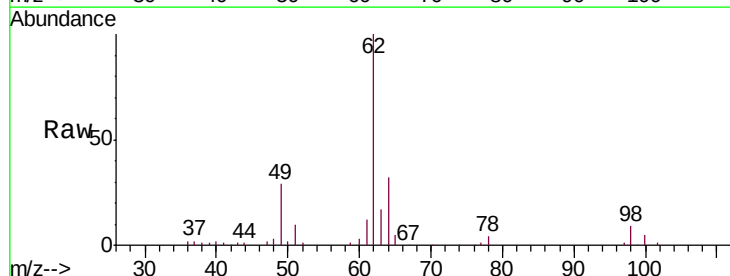


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

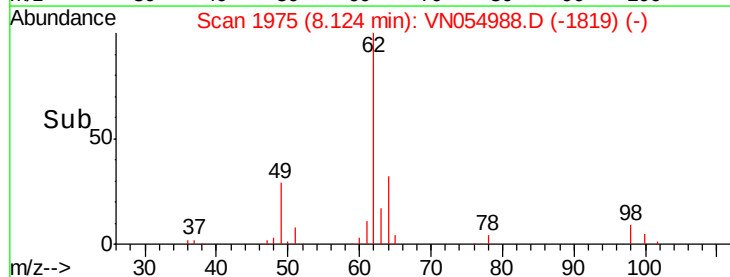
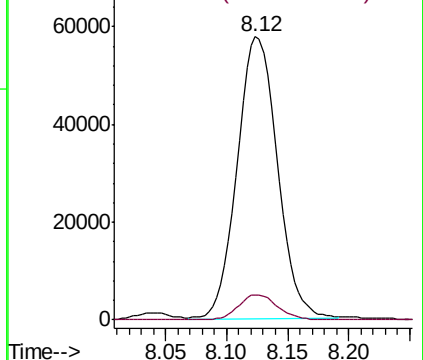


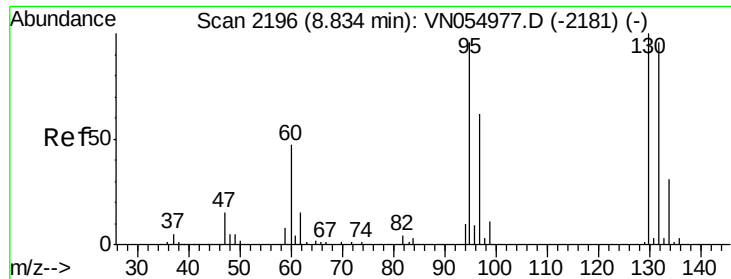
#36
1,2-Dichloroethane
Concen: 20.945 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion:	62	Resp:	131610
Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

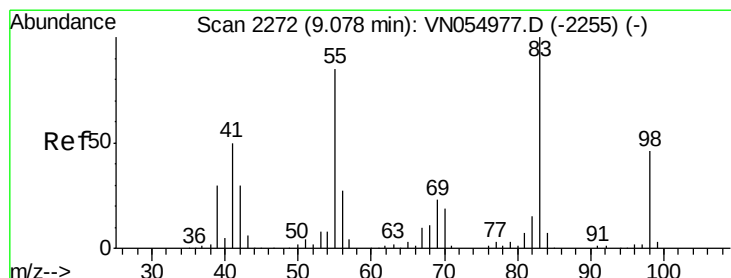
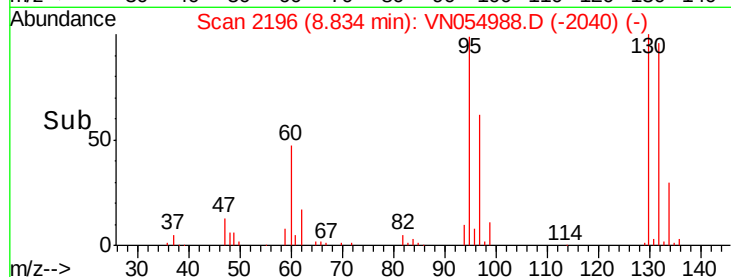
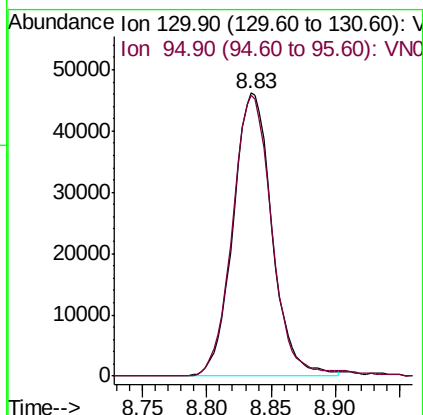
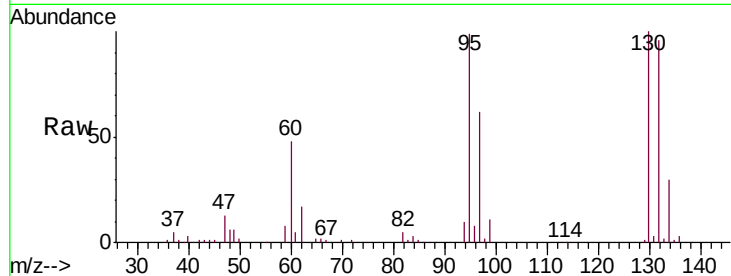




#37
 Trichloroethene
 Concen: 20.649 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

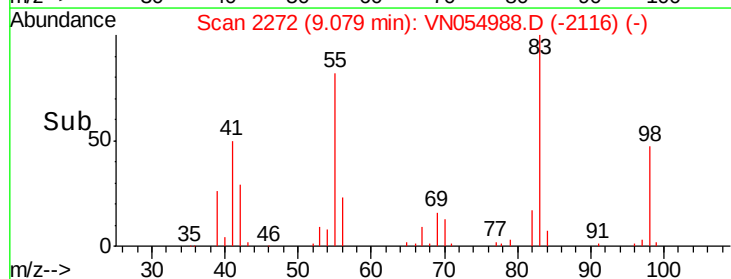
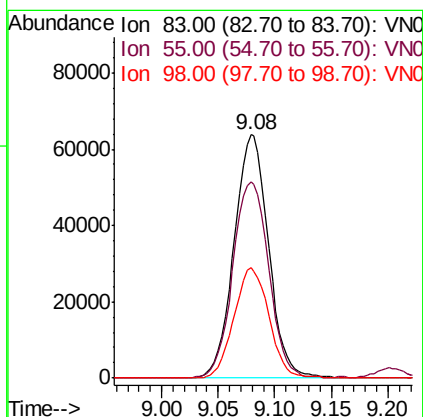
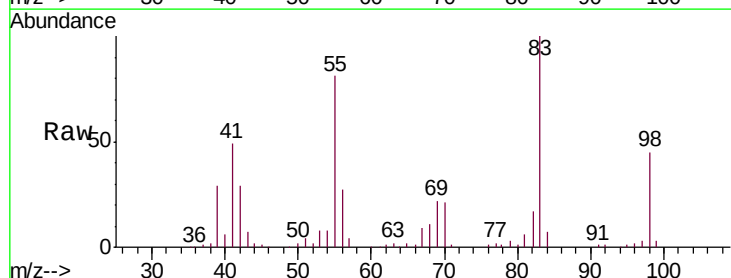
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0411WBSD01

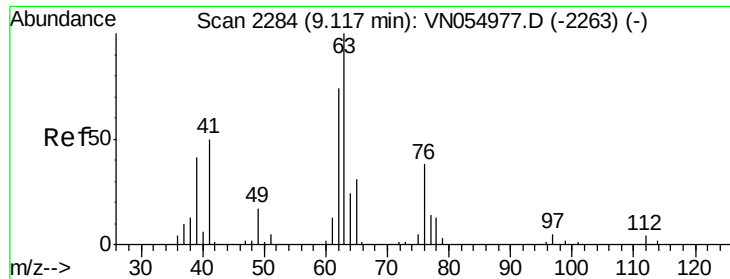
Tgt Ion: 130 Resp: 96782
 Ion Ratio Lower Upper
 130 100
 95 99.2 76.6 115.0



#38
 Methylcyclohexane
 Concen: 18.860 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 83 Resp: 135691
 Ion Ratio Lower Upper
 83 100
 55 83.9 41.9 125.6
 98 45.8 22.4 67.0





#39

1,2-Dichloropropane

Concen: 20.955 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

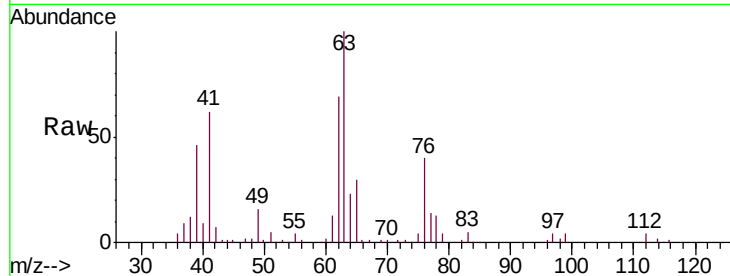
VN0411WBSD01

Tgt Ion: 63 Resp: 106382

Ion Ratio Lower Upper

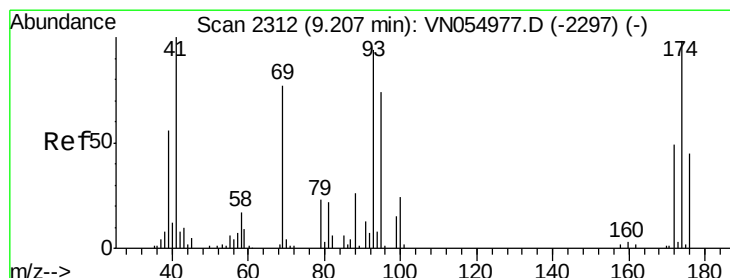
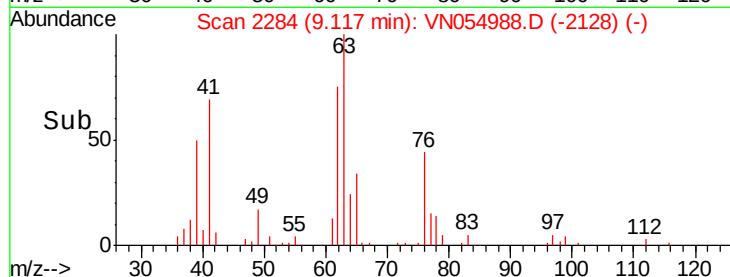
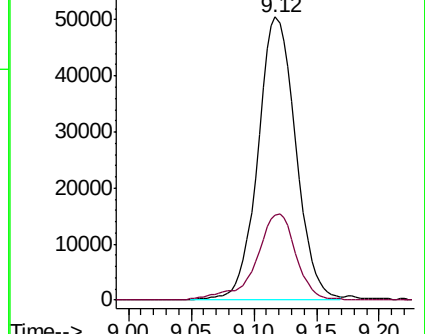
63 100

65 29.8 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.803 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

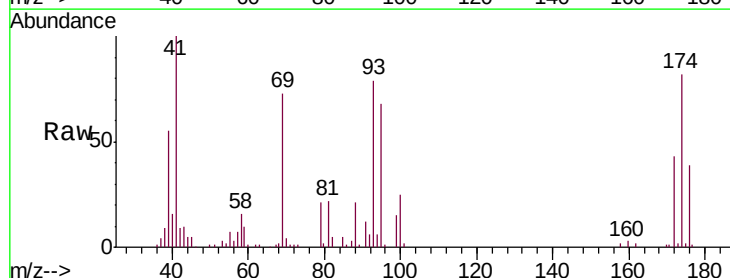
Tgt Ion: 93 Resp: 59693

Ion Ratio Lower Upper

93 100

95 83.6 0.0 160.8

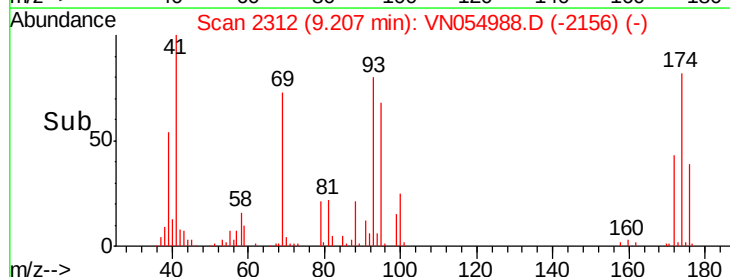
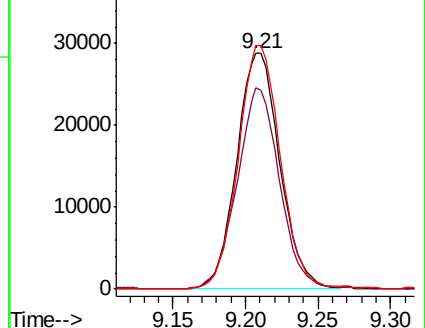
174 100.8 0.0 206.4

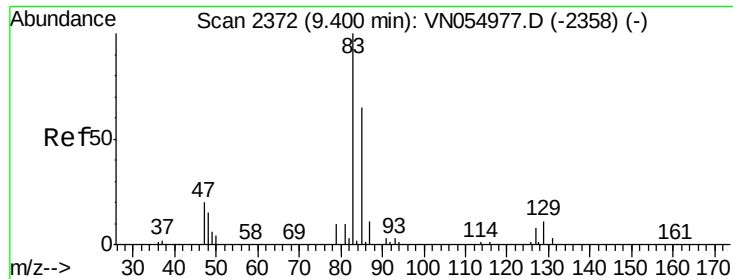


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.074 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

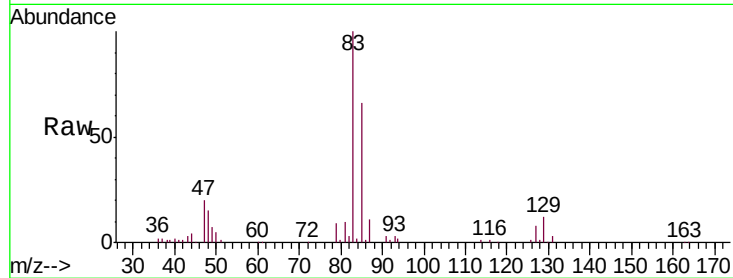
Tgt Ion: 83 Resp: 118877

Ion Ratio Lower Upper

83 100

85 66.1 52.0 78.0

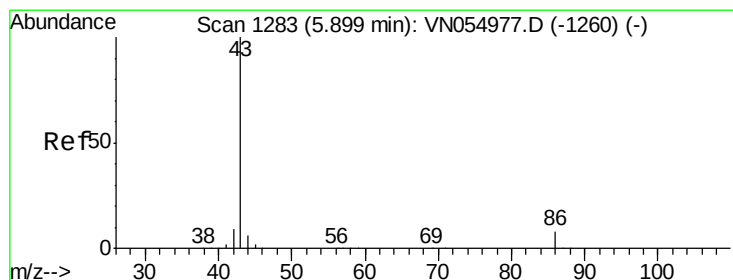
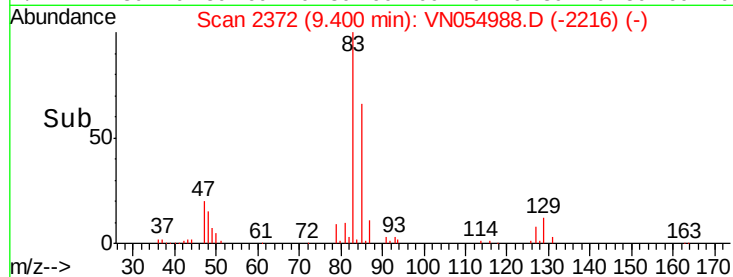
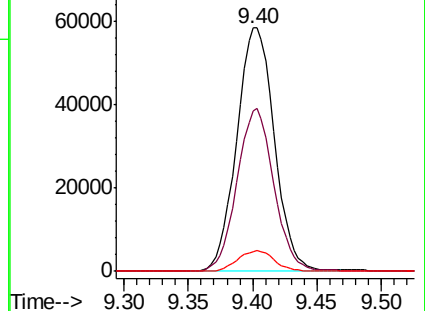
127 8.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN054977.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN054977.D (-2358) (-)



#42

Vinyl Acetate

Concen: 103.042 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054988.D

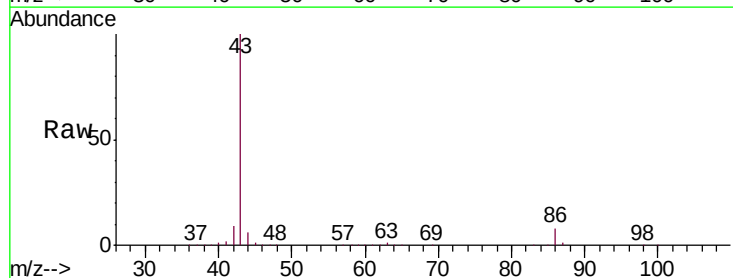
Acq: 11 Apr 2019 20:15

Tgt Ion: 43 Resp: 1072797

Ion Ratio Lower Upper

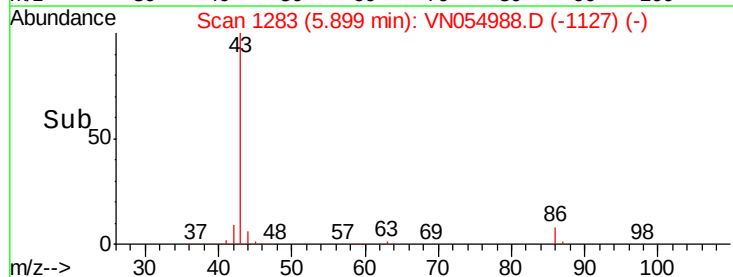
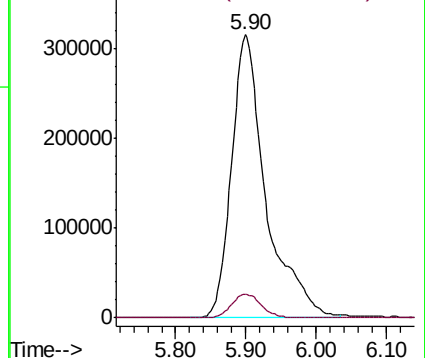
43 100

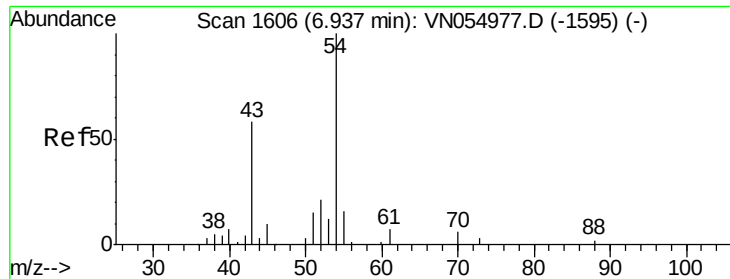
86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN054977.D (-1260) (-)





#43

Ethyl Acetate

Concen: 21.130 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

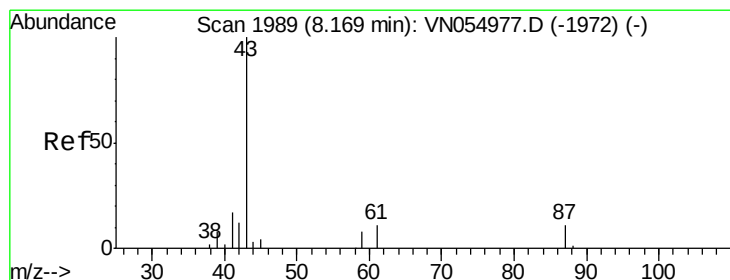
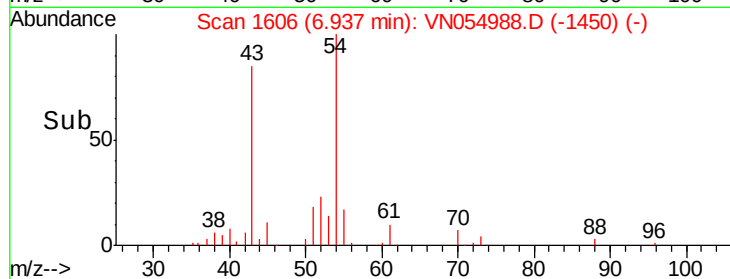
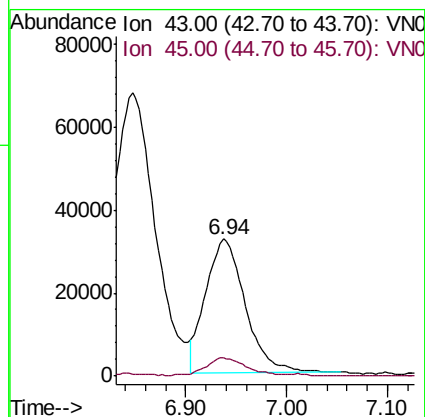
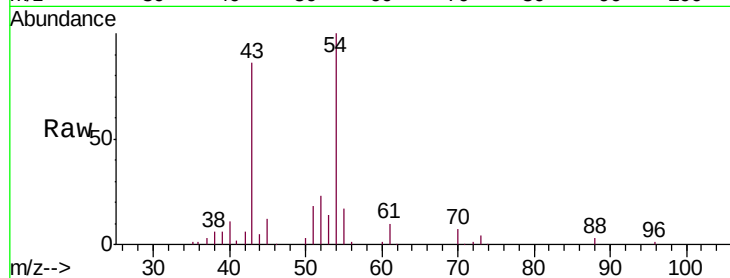
VN0411WBSD01

Tgt Ion: 43 Resp: 88649

Ion Ratio Lower Upper

43 100

45 14.5 10.6 15.8



#44

Isopropyl Acetate

Concen: 20.978 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054988.D

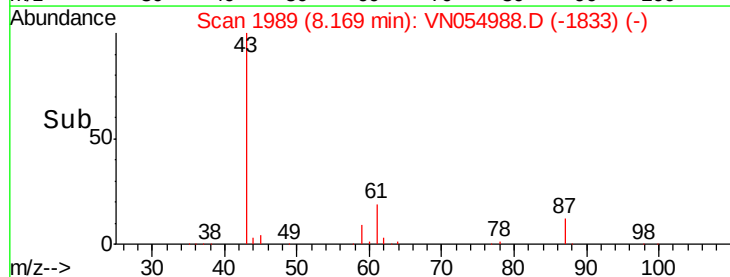
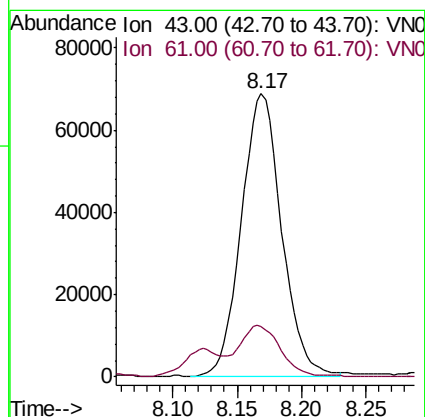
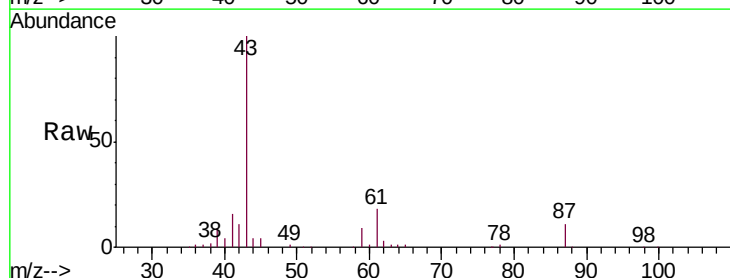
Acq: 11 Apr 2019 20:15

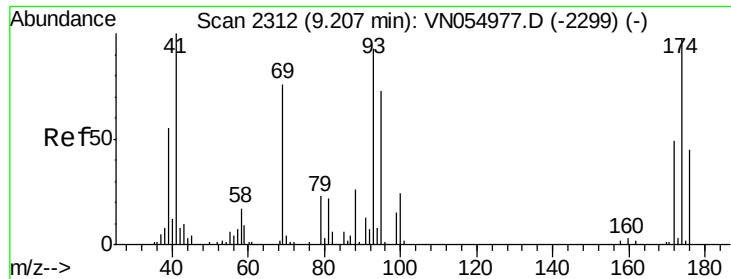
Tgt Ion: 43 Resp: 149150

Ion Ratio Lower Upper

43 100

61 18.3 14.8 22.2

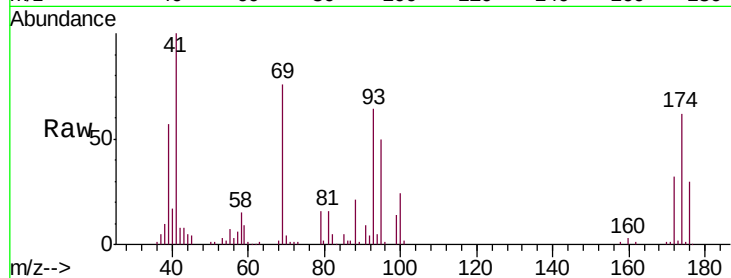




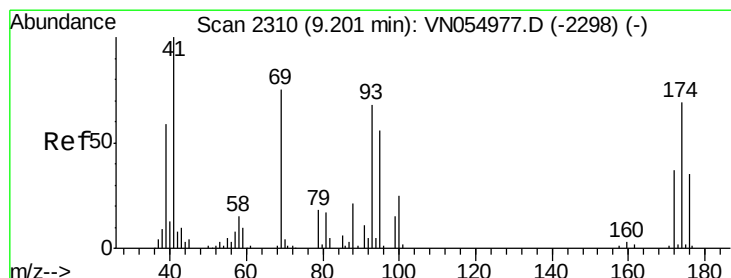
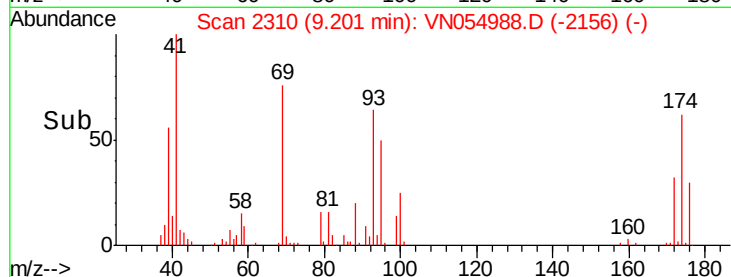
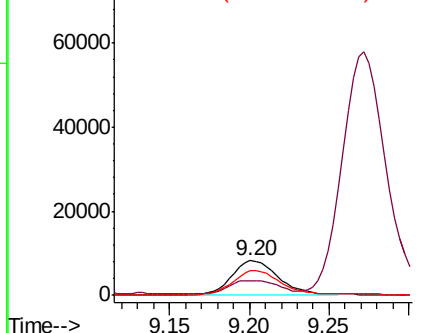
#45
 1,4-Dioxane
 Concen: 426.329 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Tgt Ion: 88 Resp: 16793
 Ion Ratio Lower Upper
 88 100
 43 16.6 34.5 51.7#
 58 73.6 60.3 90.5

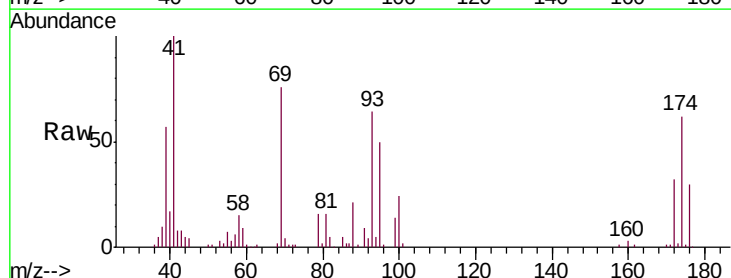


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

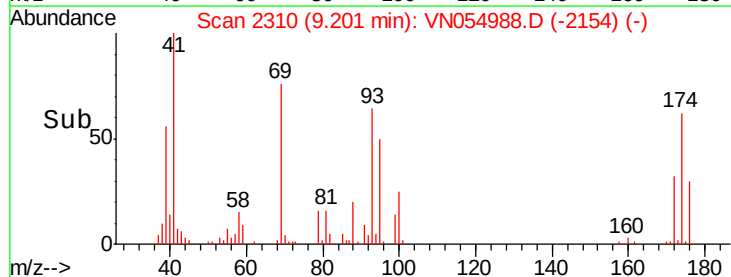
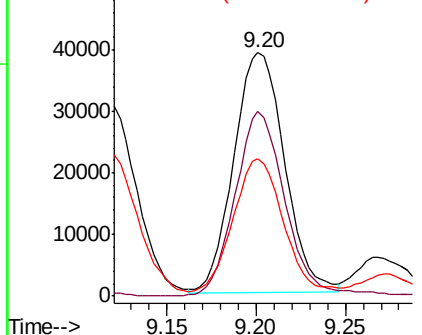


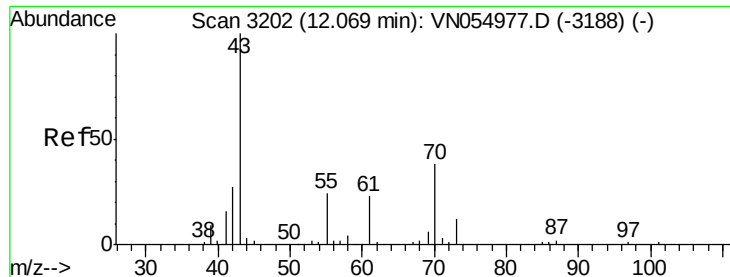
#46
 Methyl methacrylate
 Concen: 21.113 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 41 Resp: 77655
 Ion Ratio Lower Upper
 41 100
 69 77.5 37.3 111.9
 39 56.2 29.4 88.2



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





#47

n-amyl Acetate

Concen: 19.591 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

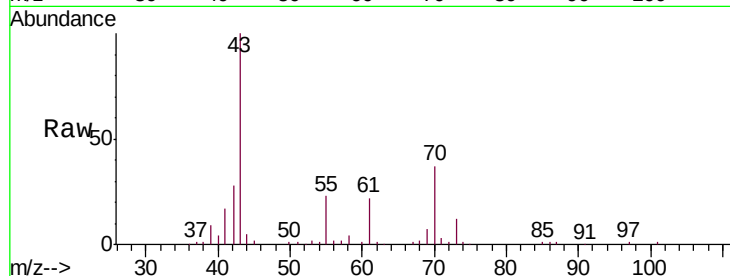
VN0411WBSD01

Tgt Ion: 43 Resp: 102596

Ion Ratio Lower Upper

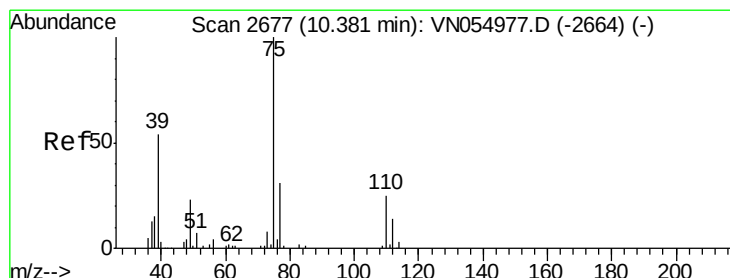
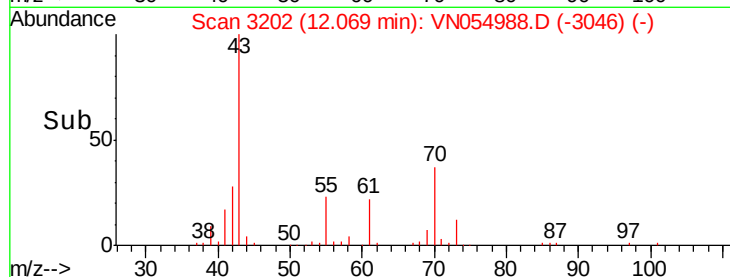
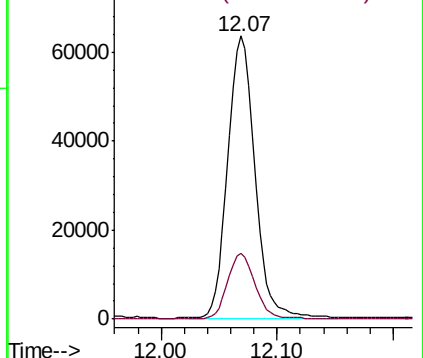
43 100

55 23.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.129 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054988.D

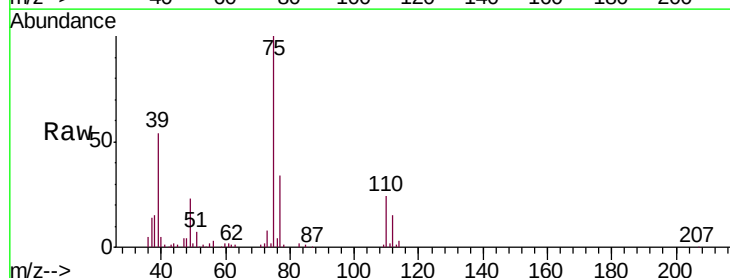
Acq: 11 Apr 2019 20:15

Tgt Ion: 75 Resp: 104026

Ion Ratio Lower Upper

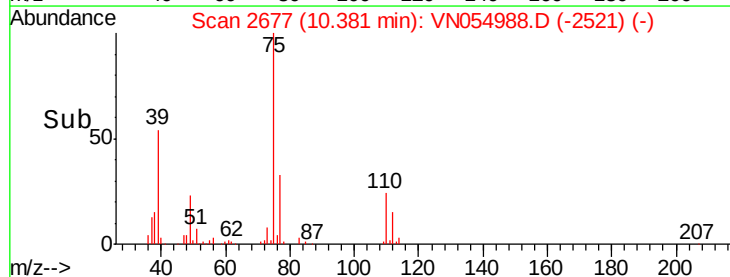
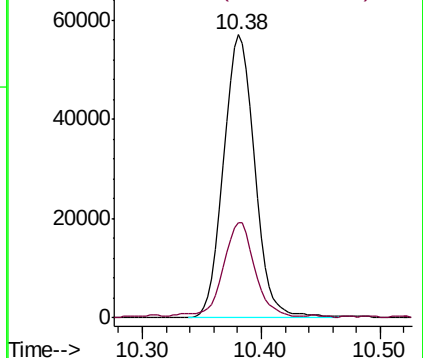
75 100

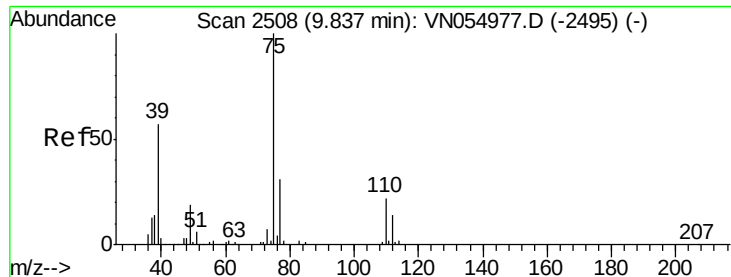
77 33.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 19.814 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

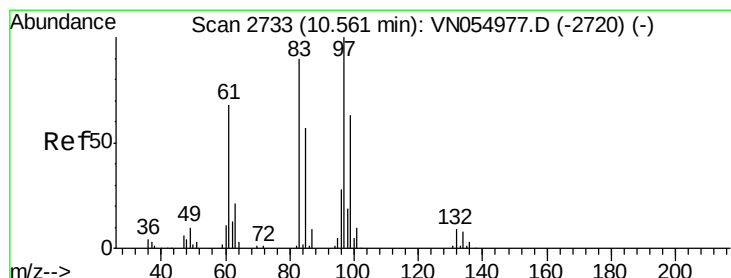
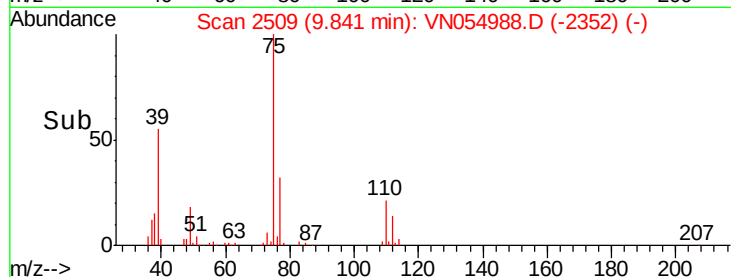
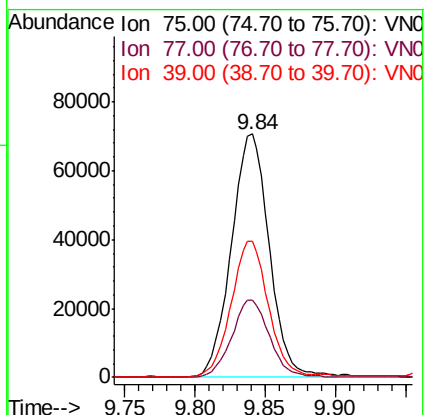
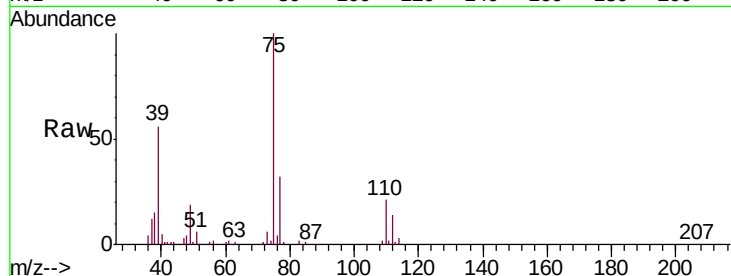
Tgt Ion: 75 Resp: 133020

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 55.6 45.3 67.9



#50

1,1,2-Trichloroethane

Concen: 21.218 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion: 97 Resp: 82693

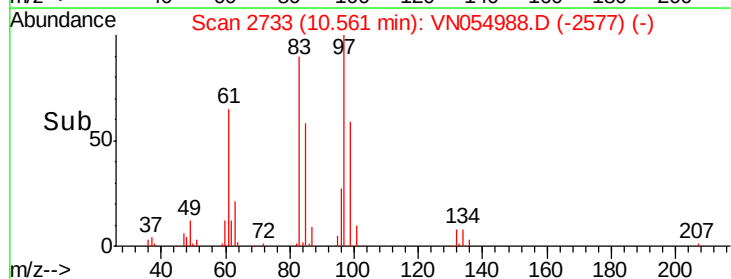
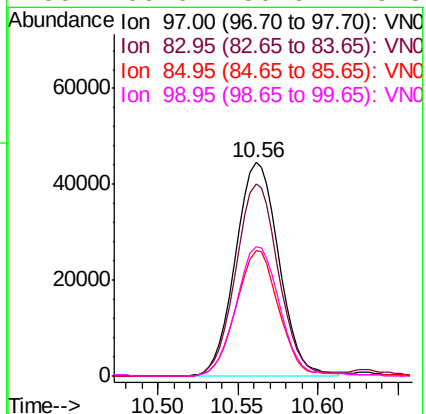
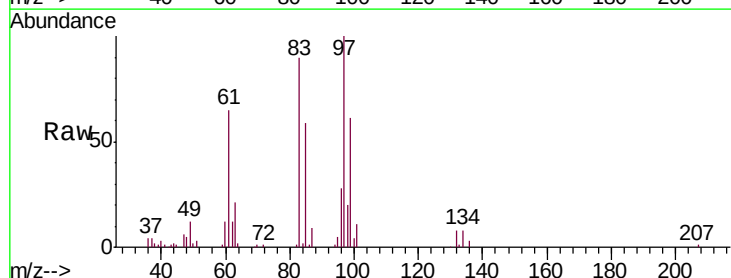
Ion Ratio Lower Upper

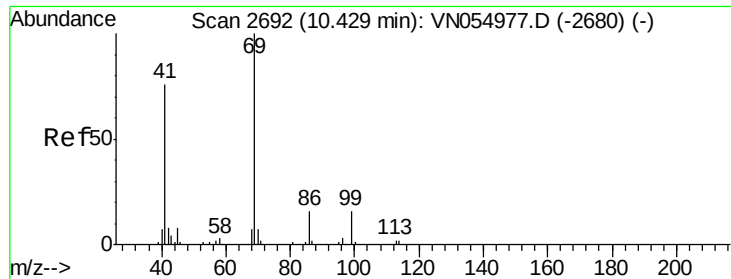
97 100

83 89.8 72.1 108.1

85 59.0 45.4 68.0

99 60.6 50.6 75.8





#51

Ethyl methacrylate

Concen: 20.138 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

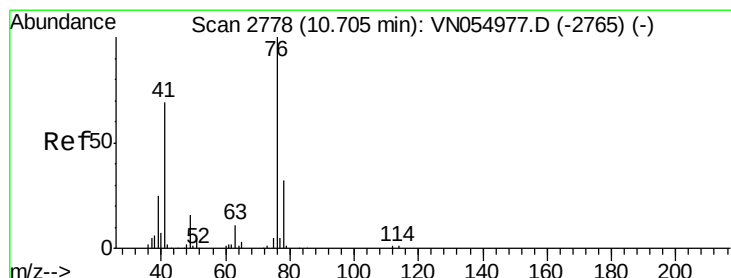
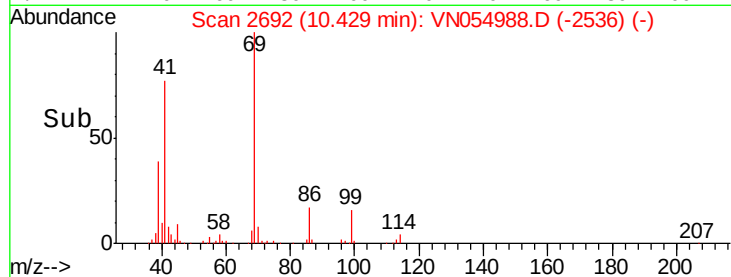
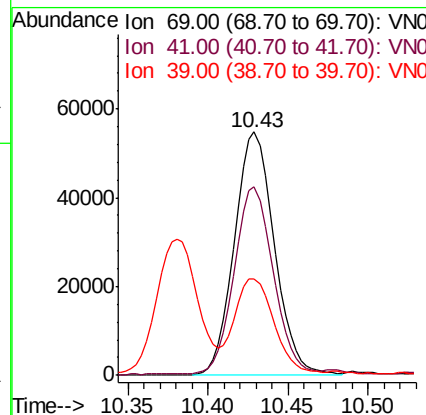
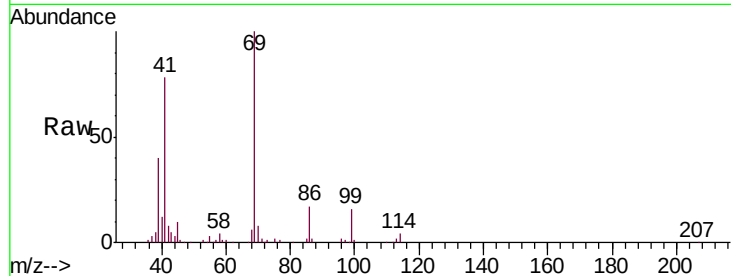
Instrument :

MSVOA_N

ClientSampled :

VN0411WBSD01

Tgt Ion:	69	Resp:	93557
Ion	Ratio	Lower	Upper
69	100		
41	76.7	37.9	113.7
39	38.3	19.8	59.4



#52

1,3-Dichloropropane

Concen: 20.632 ug/l

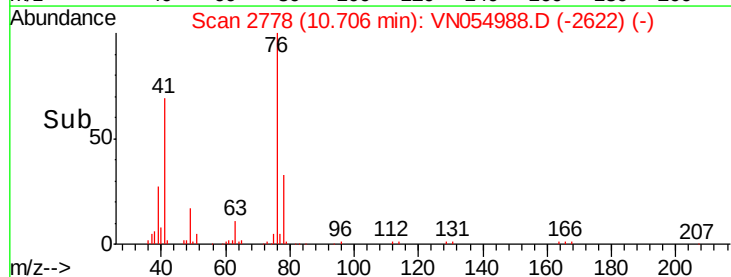
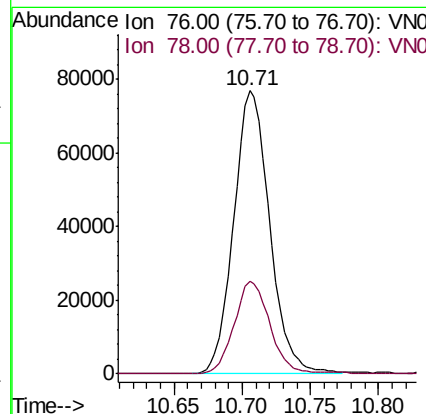
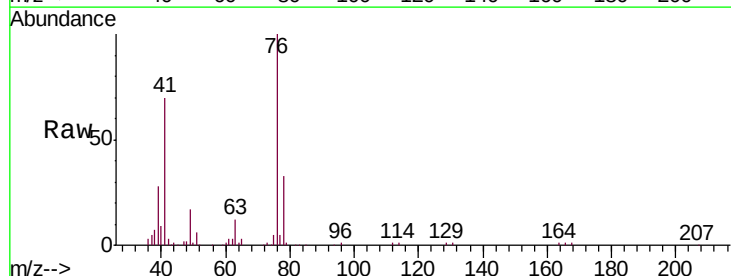
RT: 10.71 min Scan# 2778

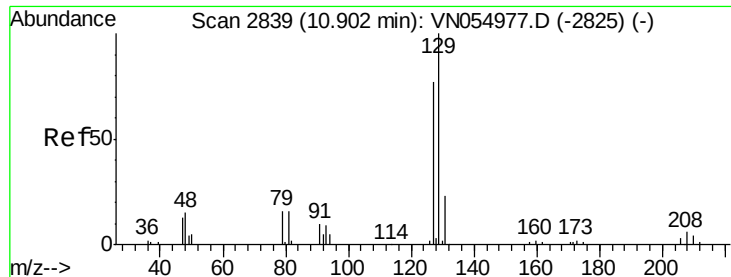
Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Tgt Ion:	76	Resp:	140902
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.4





#53

Dibromochloromethane

Concen: 19.728 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

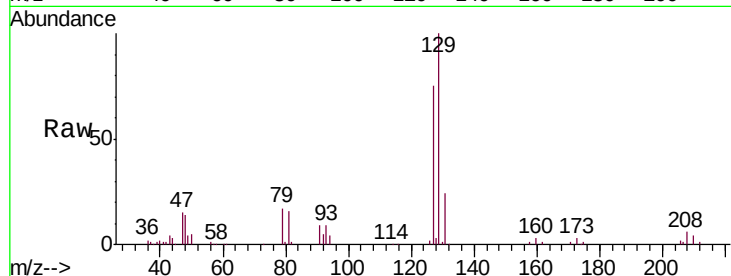
VN0411WBSD01

Tgt Ion:129 Resp: 79200

Ion Ratio Lower Upper

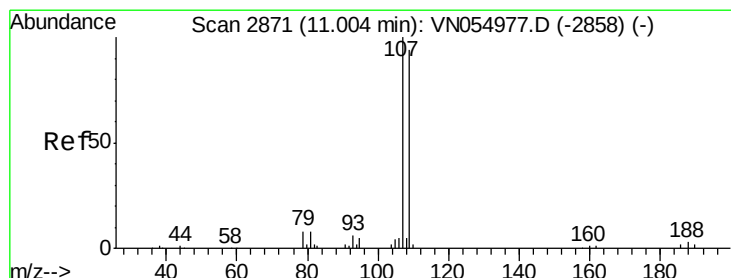
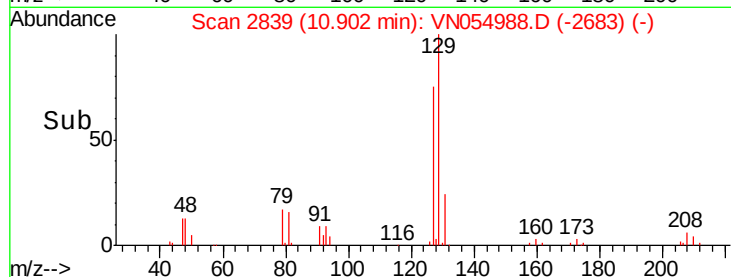
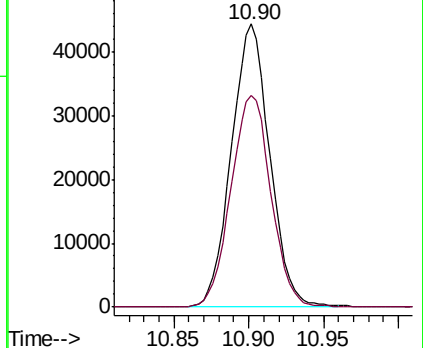
129 100

127 78.1 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.385 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054988.D

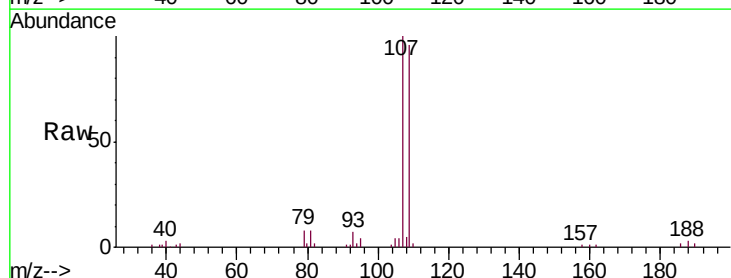
Acq: 11 Apr 2019 20:15

Tgt Ion:107 Resp: 74585

Ion Ratio Lower Upper

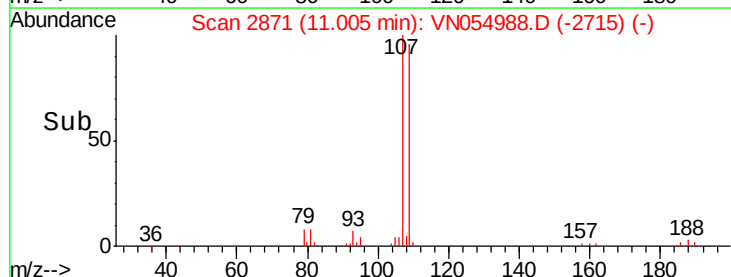
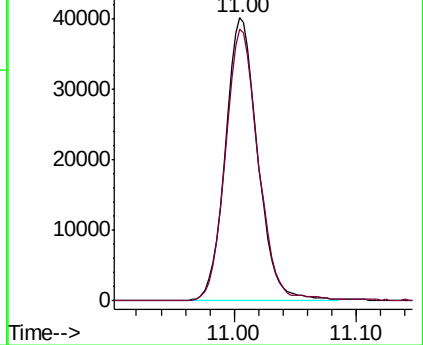
107 100

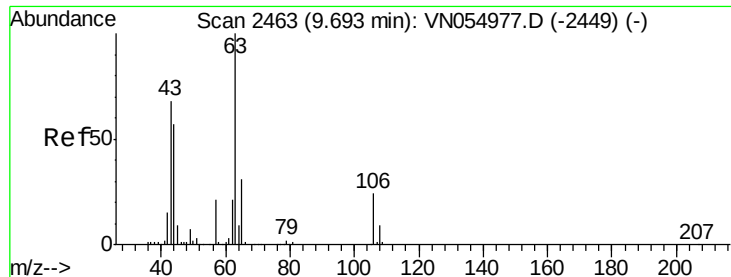
109 95.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

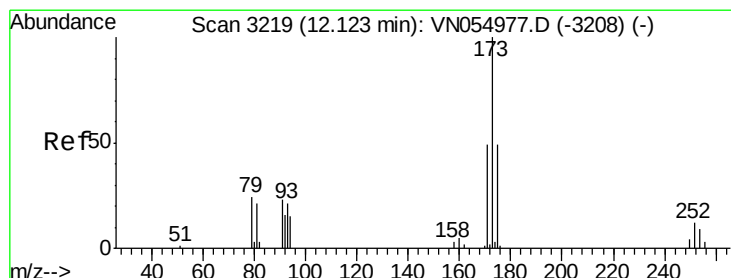
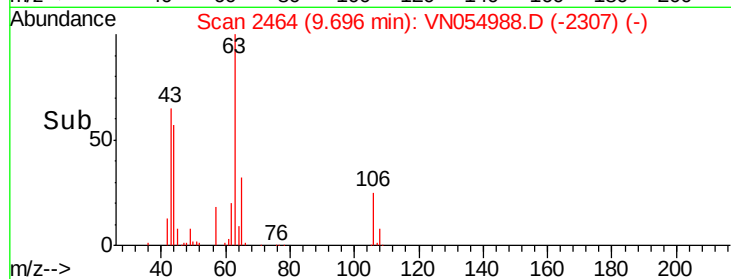
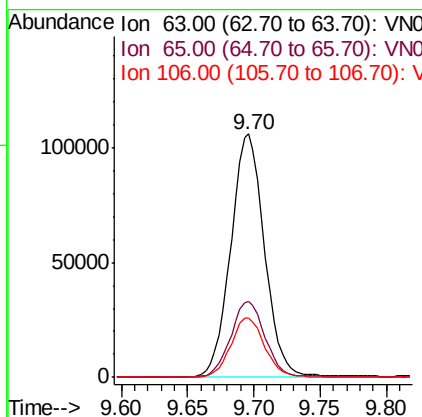
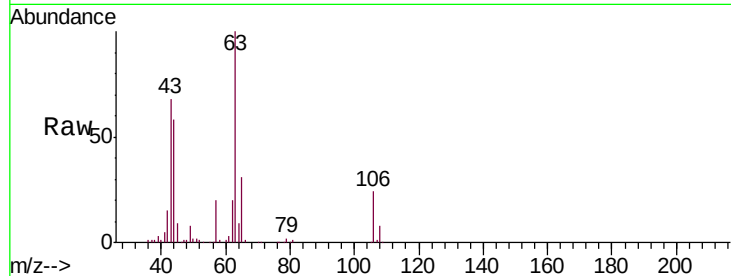




#55
 2-Chloroethyl vinyl ether
 Concen: 96.672 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

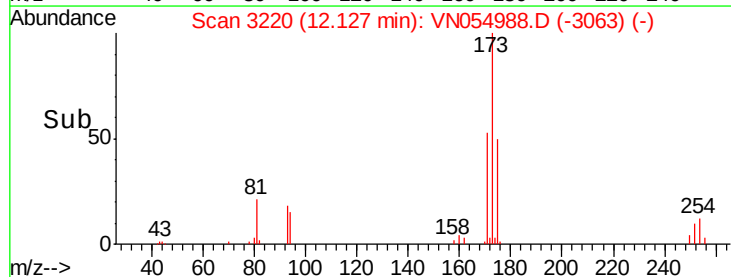
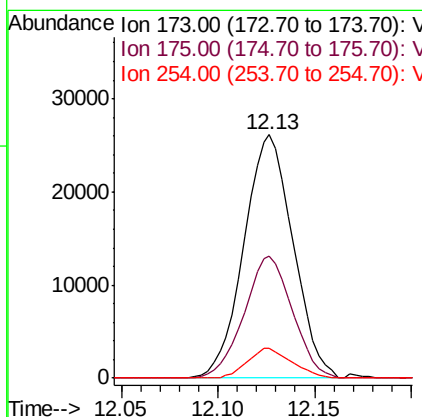
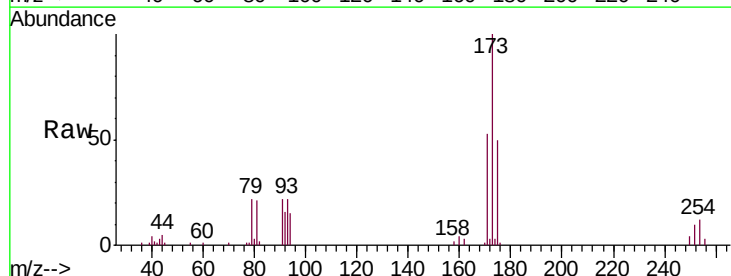
Instrument :
 MSVOA_N
 ClientSampled :
 VN0411WBSD01

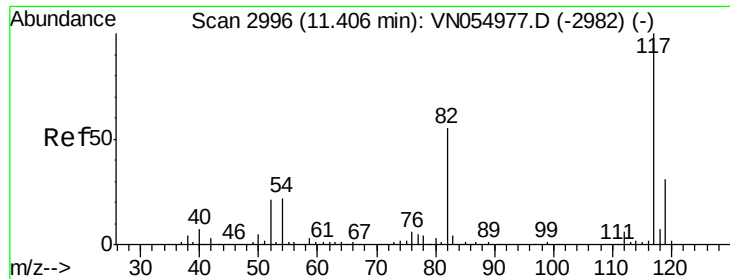
Tgt Ion: 63 Resp: 187761
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0
 106 24.5 19.8 29.6



#56
 Bromoform
 Concen: 18.316 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 173 Resp: 46202
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.6 57.8
 254 11.0 6.8 10.2#

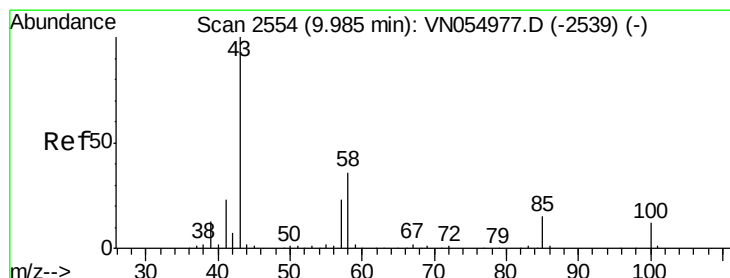
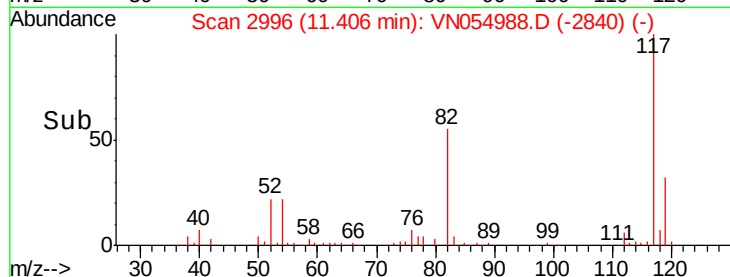
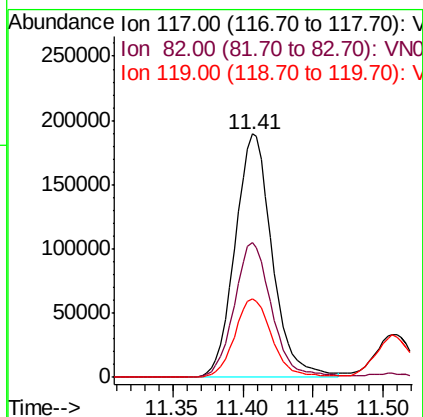
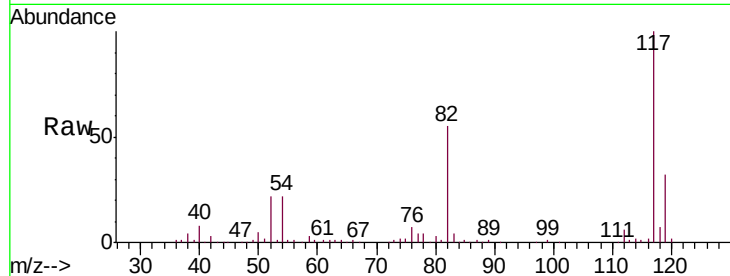




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

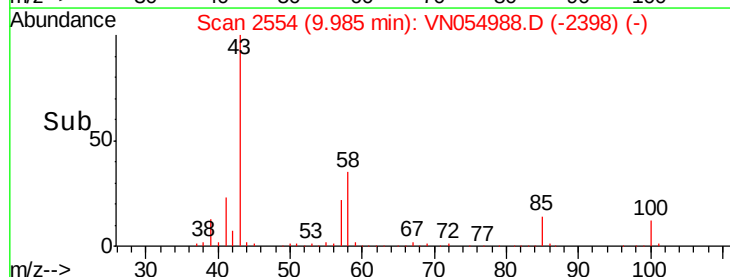
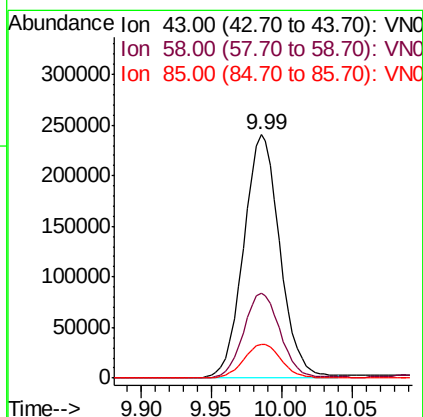
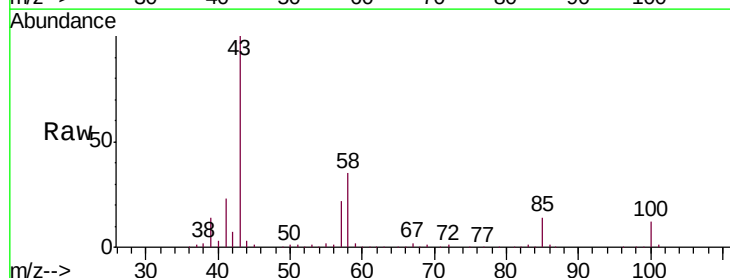
Instrument :
MSVOA_N
ClientSampled :
VN0411WBSD01

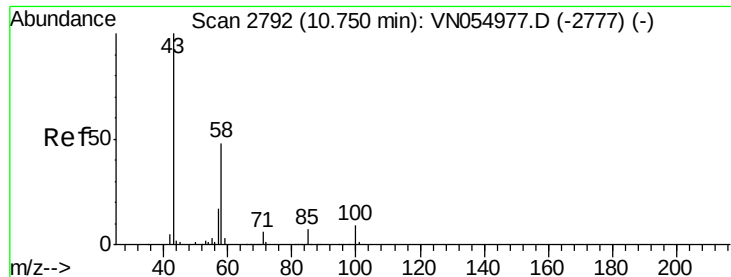
Tgt Ion: 117 Resp: 349775
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 32.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 107.063 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 43 Resp: 431855
Ion Ratio Lower Upper
43 100
58 35.4 28.7 43.1
85 14.4 11.8 17.6

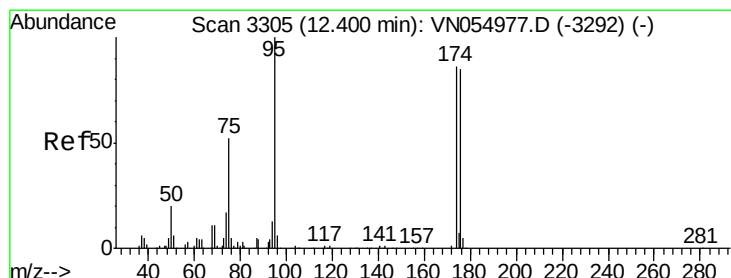
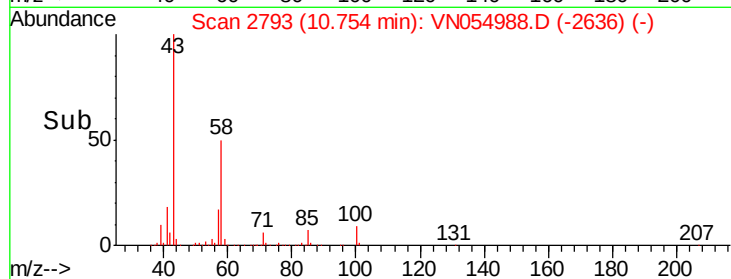
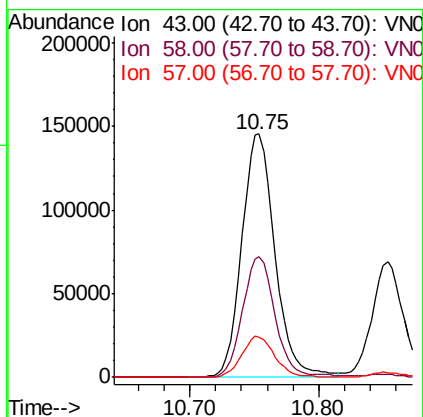
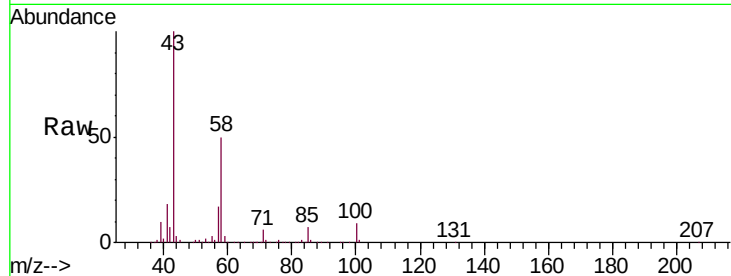




#59
2-Hexanone
Concen: 101.144 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

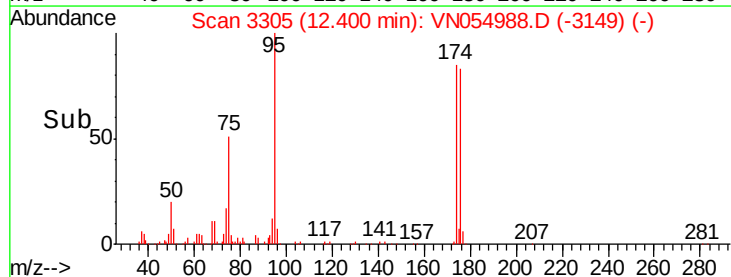
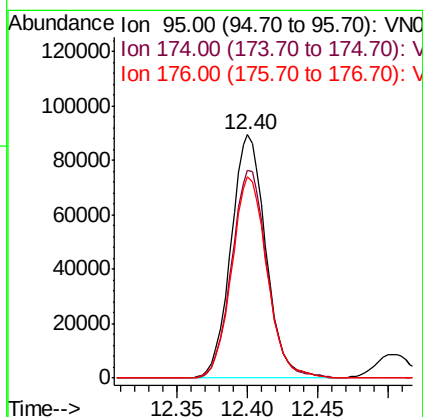
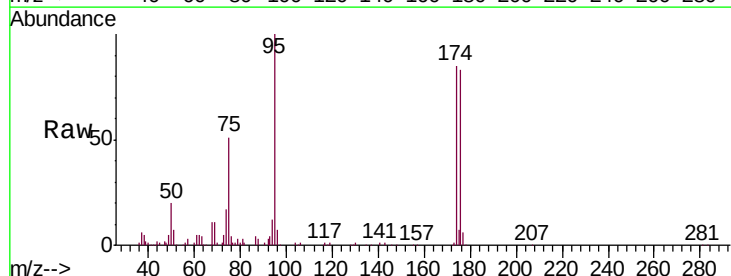
Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

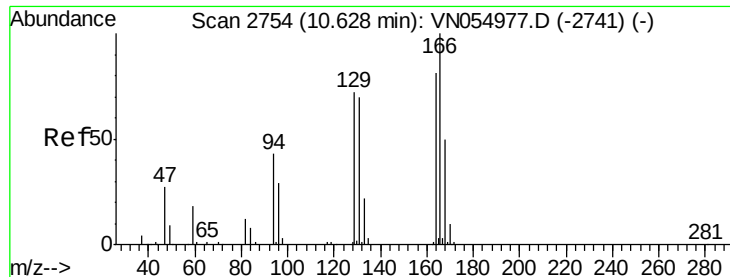
Tgt Ion: 43 Resp: 259178
Ion Ratio Lower Upper
43 100
58 49.2 38.8 58.2
57 17.1 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 101.144 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion: 95 Resp: 155112
Ion Ratio Lower Upper
95 100
174 87.0 69.4 104.2
176 83.8 67.4 101.2





#61

Tetrachloroethene

Concen: 20.640 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

Tgt Ion:164 Resp: 93953

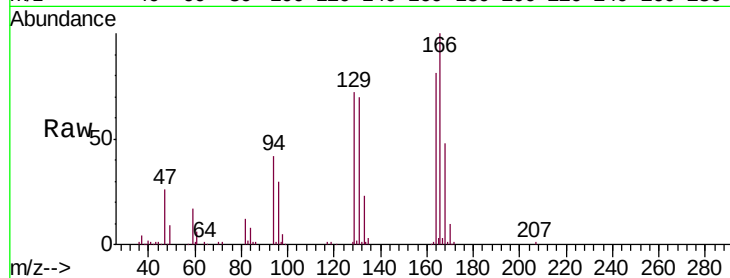
Ion Ratio Lower Upper

164 100

166 123.1 99.0 148.4

129 88.8 71.4 107.0

131 85.7 68.8 103.2



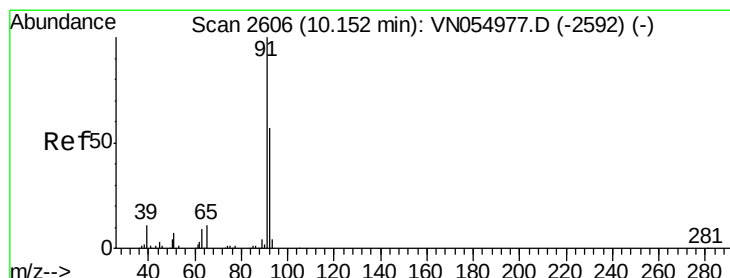
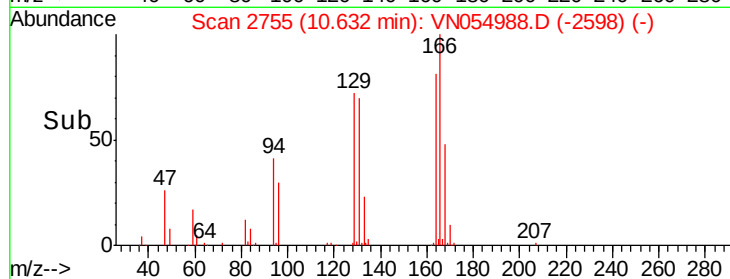
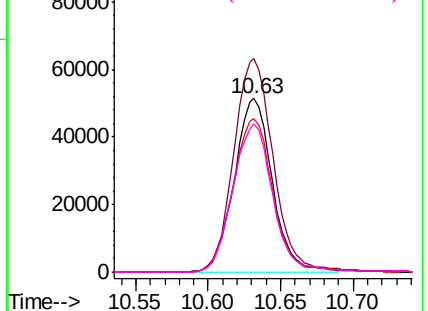
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.346 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN054988.D

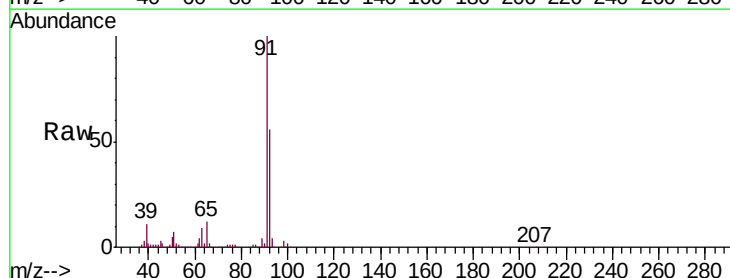
Acq: 11 Apr 2019 20:15

Tgt Ion: 91 Resp: 392110

Ion Ratio Lower Upper

91 100

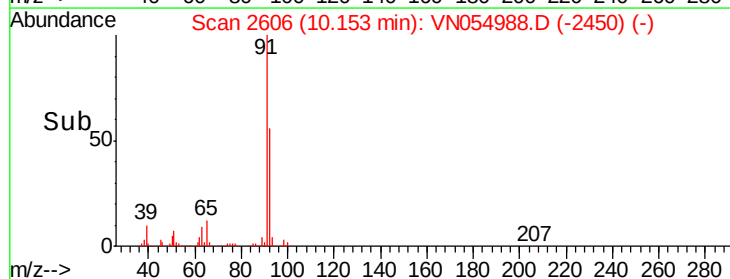
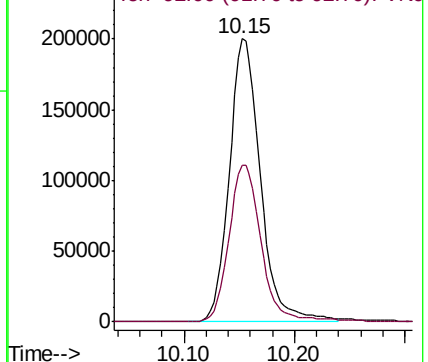
92 56.8 44.8 67.2

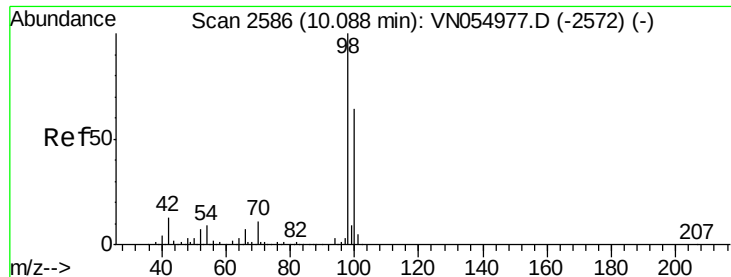


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.346 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

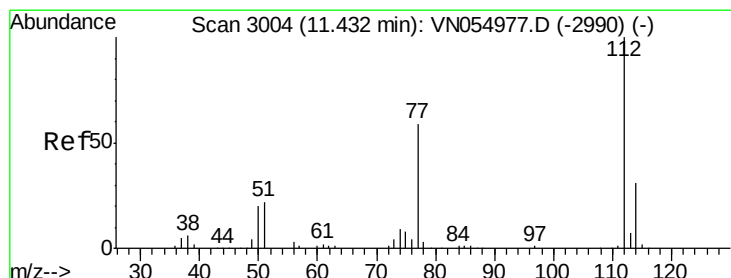
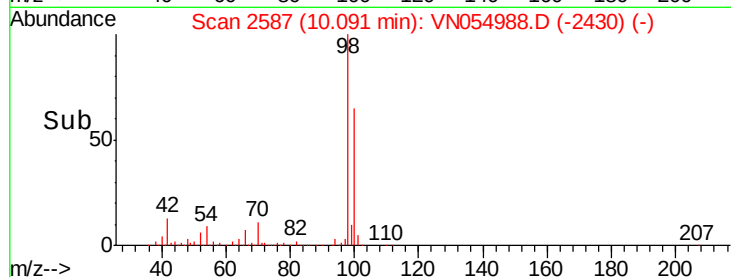
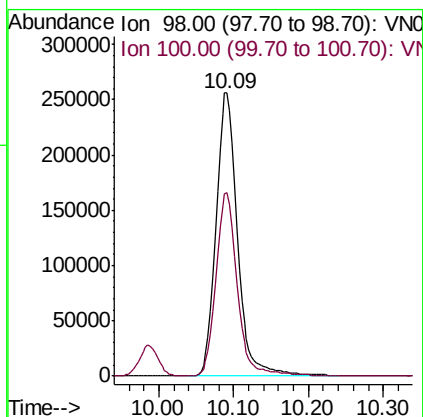
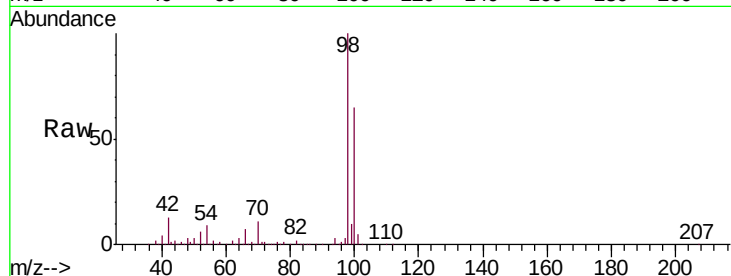
VN0411WBSD01

Tgt Ion: 98 Resp: 512888

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#64

Chlorobenzene

Concen: 20.406 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054988.D

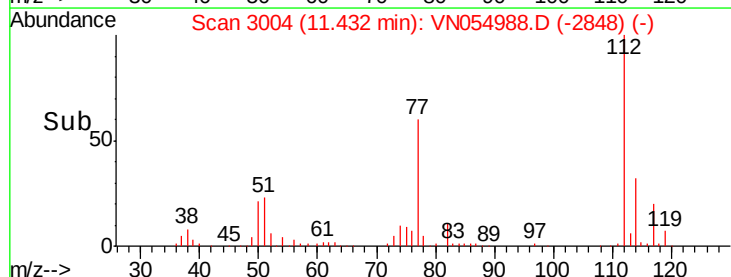
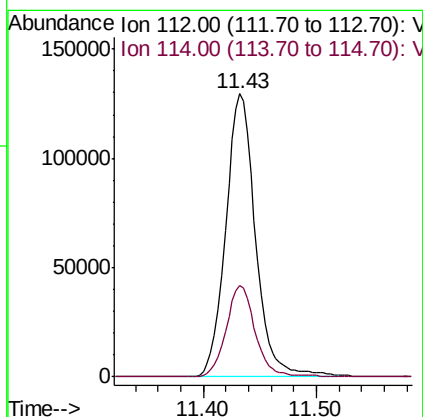
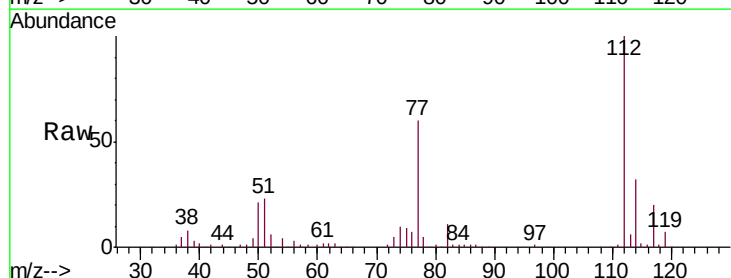
Acq: 11 Apr 2019 20:15

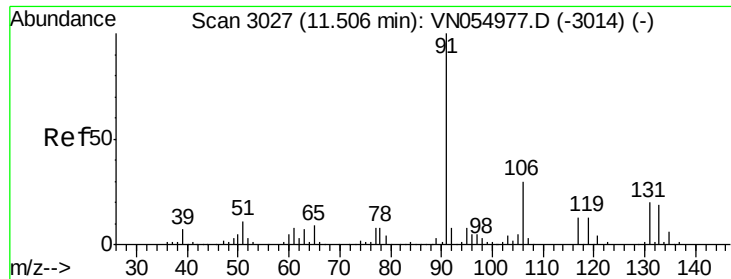
Tgt Ion: 112 Resp: 237419

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.172 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

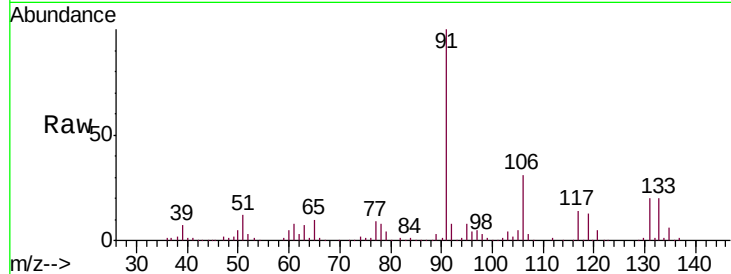
Tgt Ion: 131 Resp: 83473

Ion Ratio Lower Upper

131 100

133 97.2 0.0 187.8

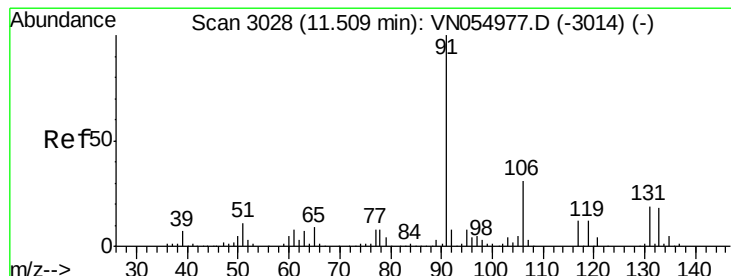
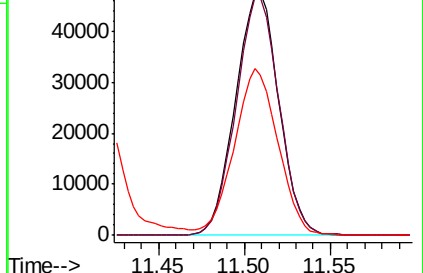
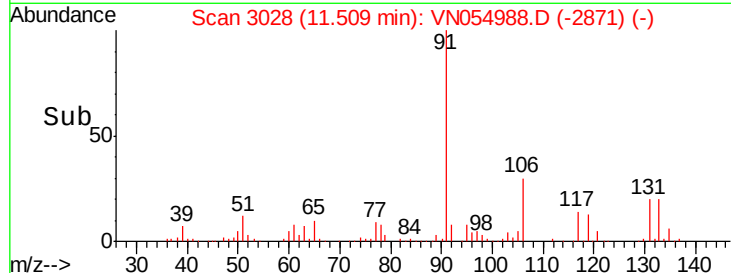
119 69.1 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.789 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054988.D

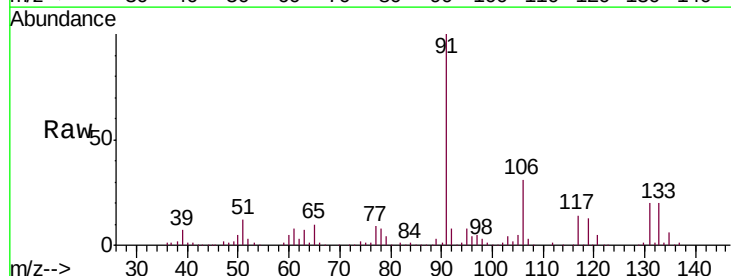
Acq: 11 Apr 2019 20:15

Tgt Ion: 91 Resp: 408830

Ion Ratio Lower Upper

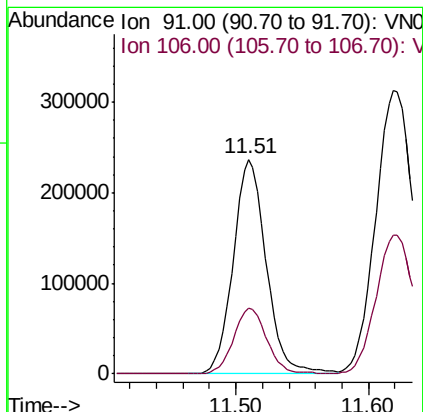
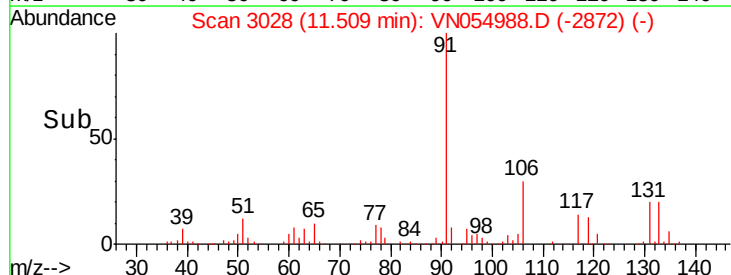
91 100

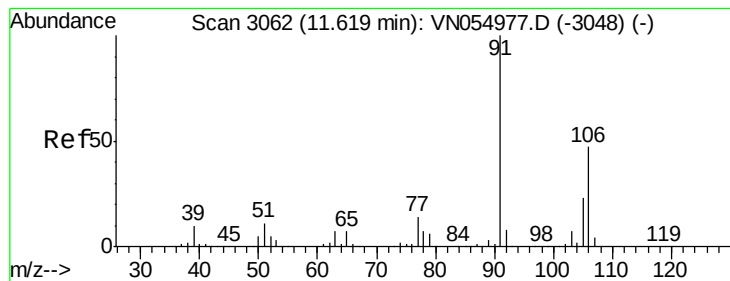
106 30.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.711 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampled :

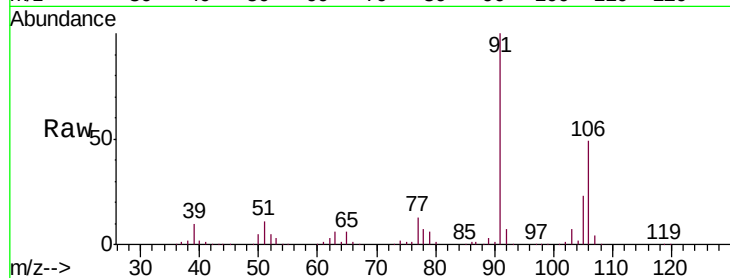
VN0411WBSD01

Tgt Ion:106 Resp: 312625

Ion Ratio Lower Upper

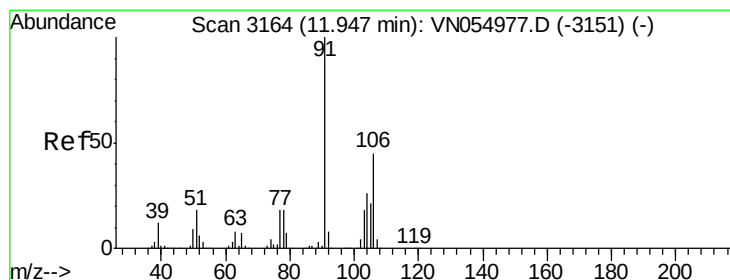
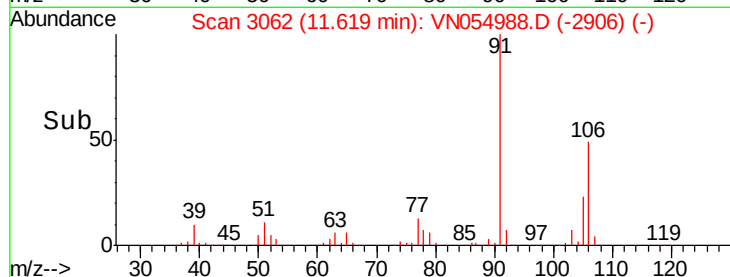
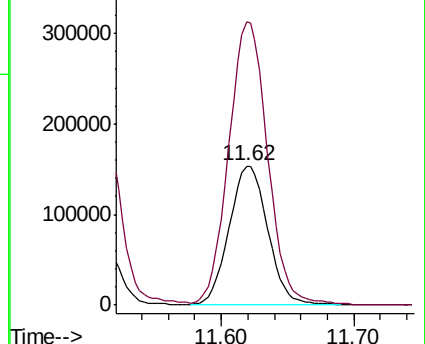
106 100

91 204.3 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.185 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054988.D

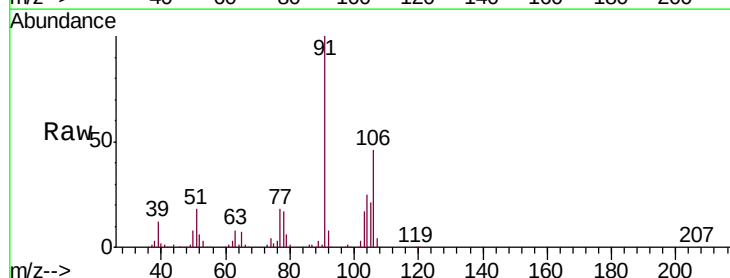
Acq: 11 Apr 2019 20:15

Tgt Ion:106 Resp: 153179

Ion Ratio Lower Upper

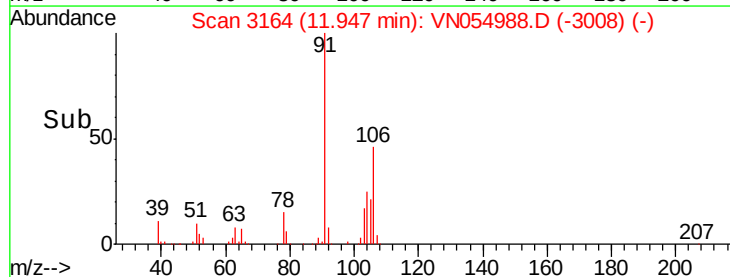
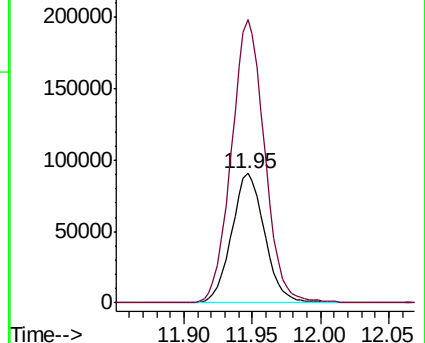
106 100

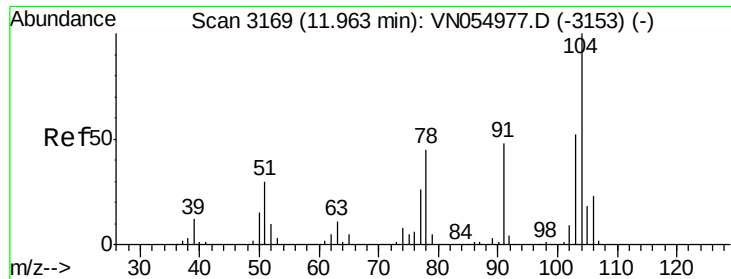
91 219.4 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

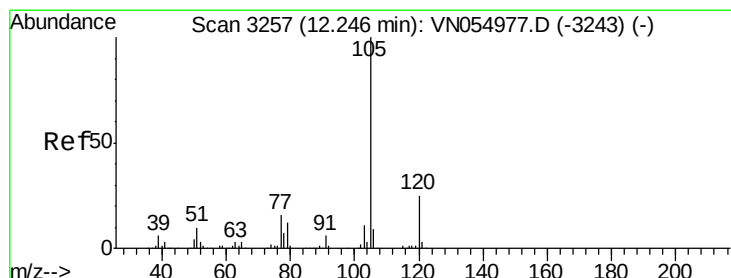
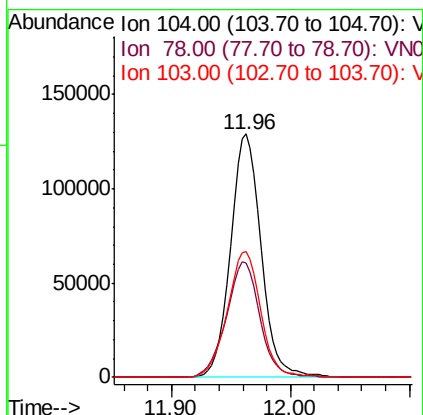
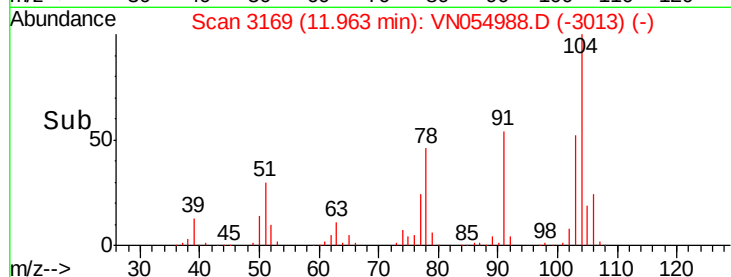
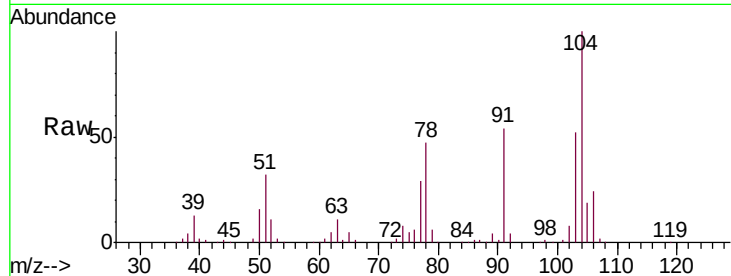




#69
Styrene
Concen: 19.517 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

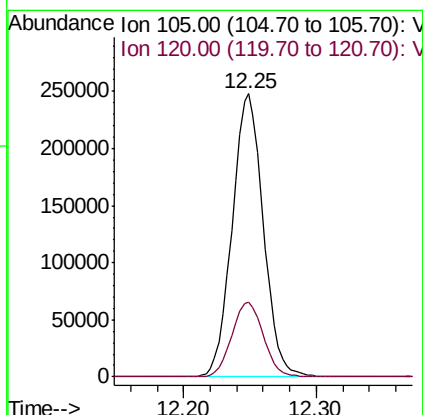
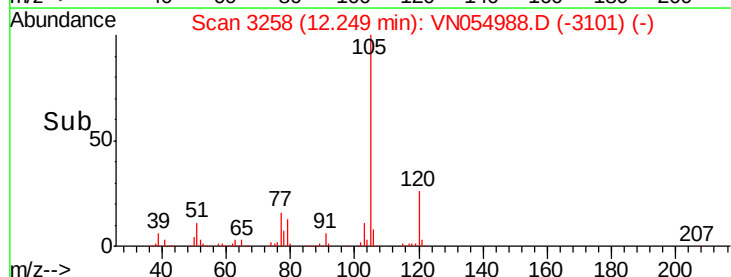
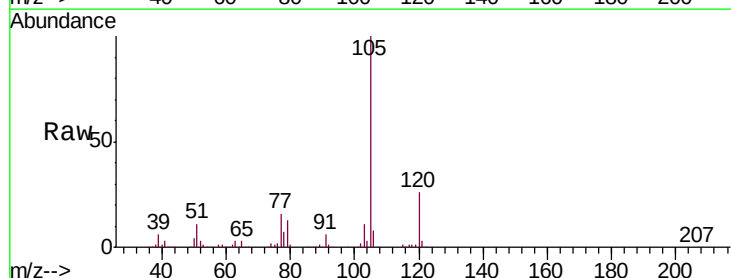
Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

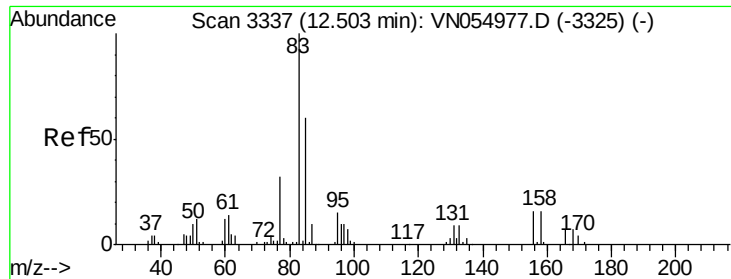
Tgt Ion:104 Resp: 229989
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 56.2 44.6 67.0



#70
Isopropylbenzene
Concen: 19.878 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion:105 Resp: 403321
Ion Ratio Lower Upper
105 100
120 26.9 18.3 33.9

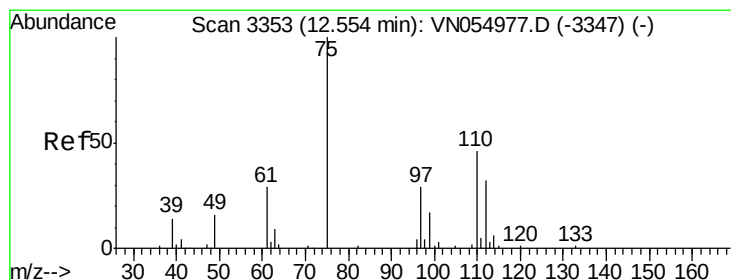
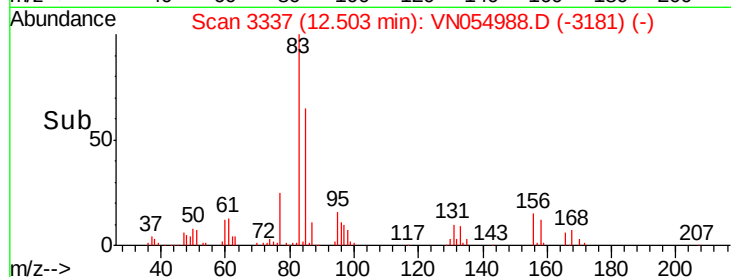
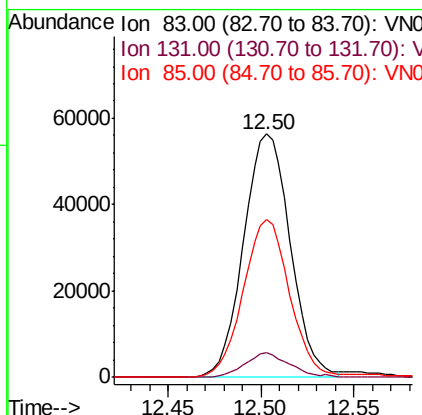
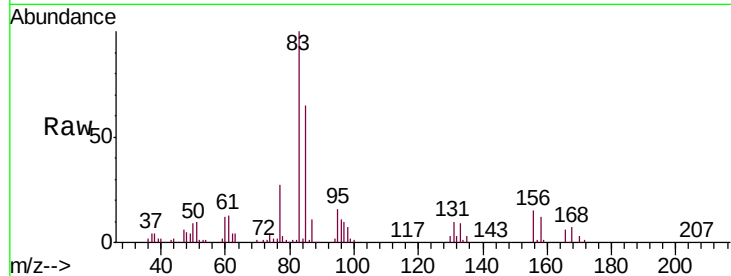




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.350 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

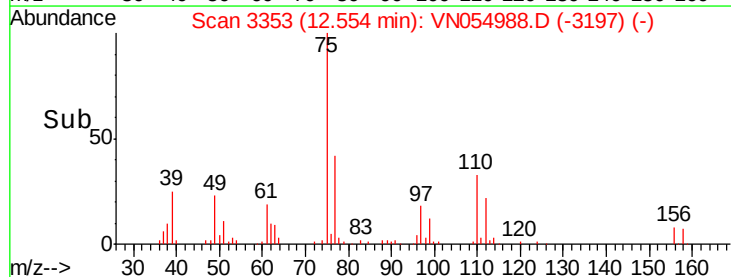
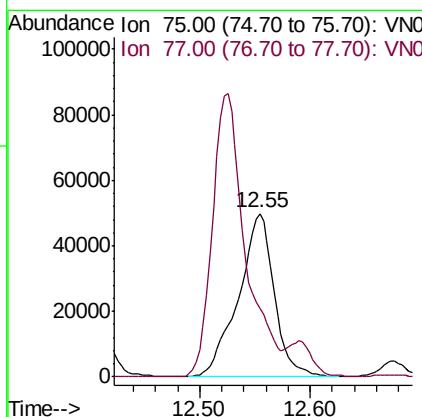
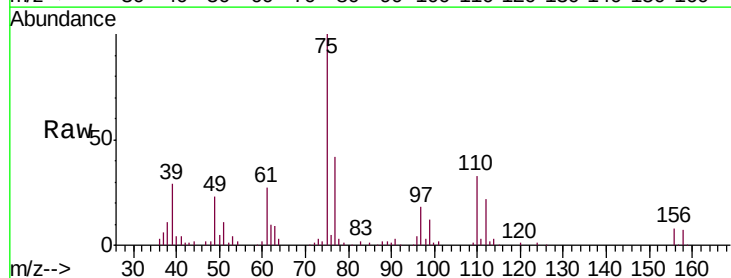
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

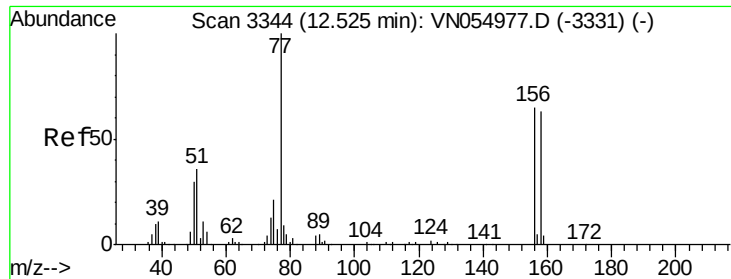
Tgt Ion: 83 Resp: 99082
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.6 13.8
 85 64.3 30.9 92.5



#72
 1,2,3-Trichloropropane
 Concen: 29.208 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion: 75 Resp: 111941
 Ion Ratio Lower Upper
 75 100
 77 160.0 0.0 466.6





#73

Bromobenzene

Concen: 19.938 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

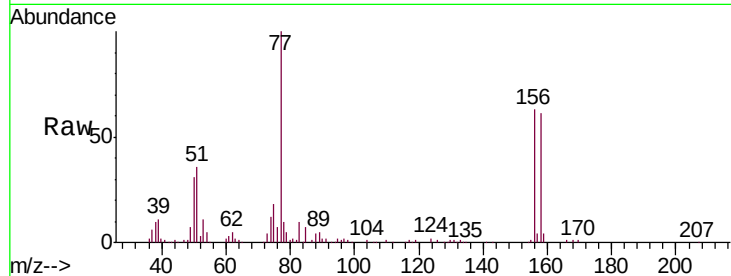
Tgt Ion:156 Resp: 95619

Ion Ratio Lower Upper

156 100

77 187.3 0.0 383.2

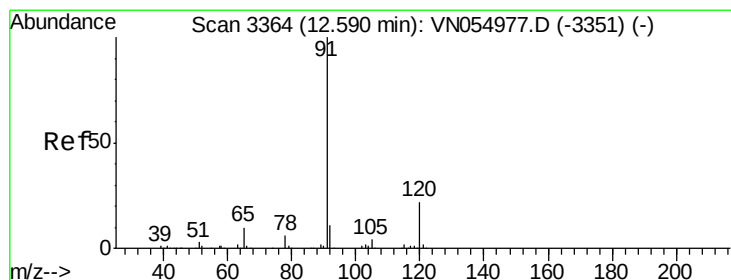
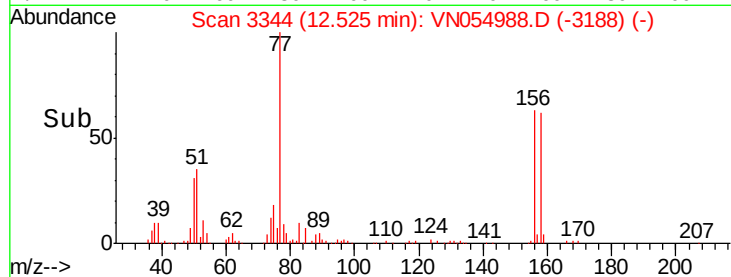
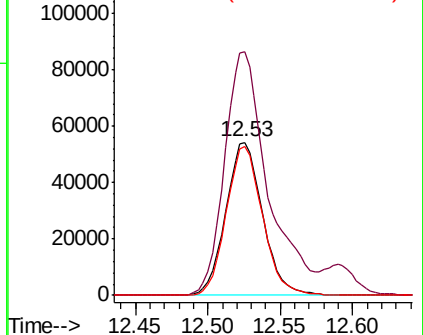
158 95.8 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.264 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054988.D

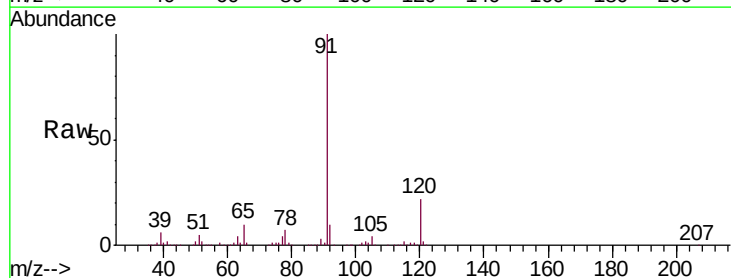
Acq: 11 Apr 2019 20:15

Tgt Ion: 91 Resp: 437582

Ion Ratio Lower Upper

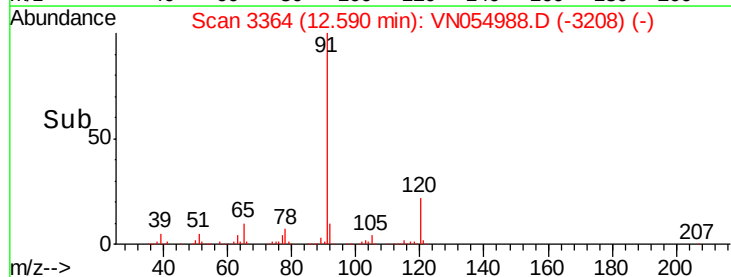
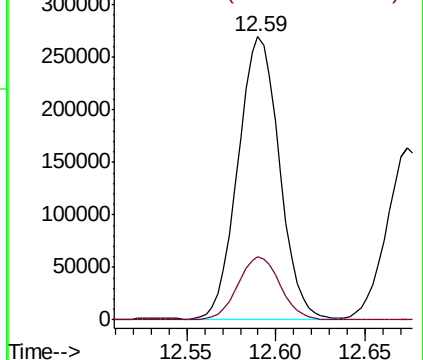
91 100

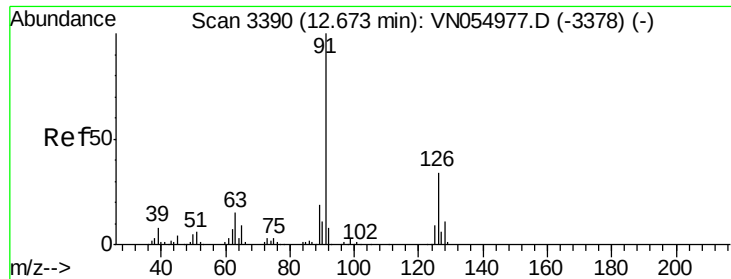
120 22.7 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.036 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

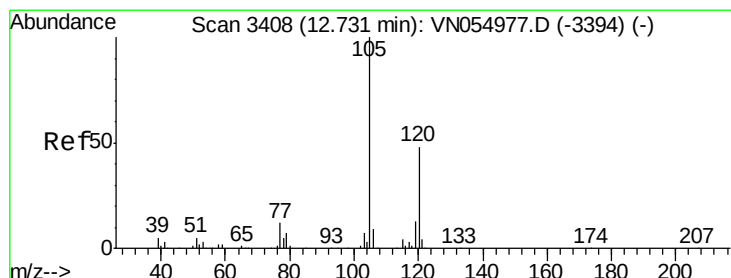
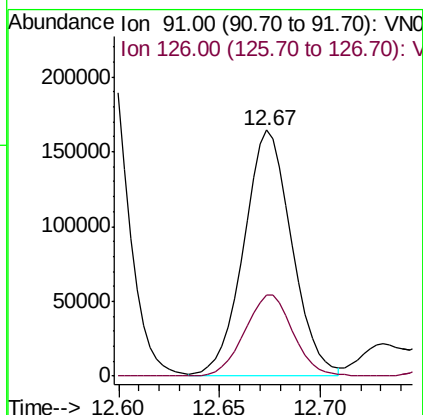
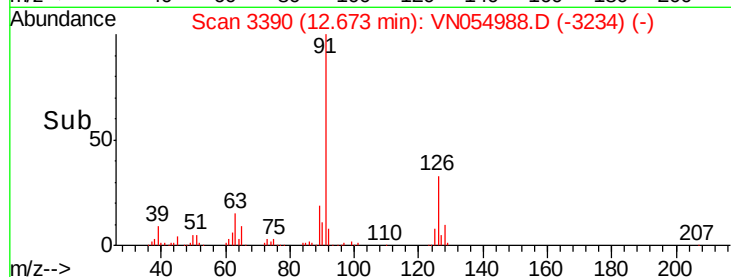
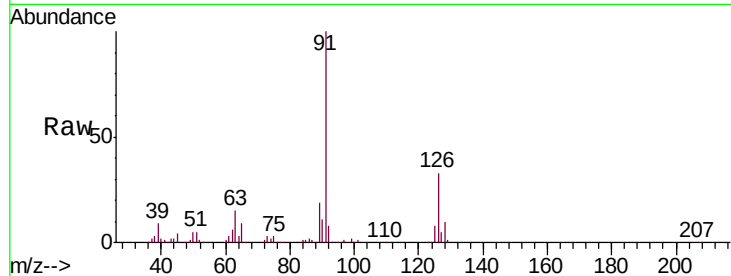
VN0411WBSD01

Tgt Ion: 91 Resp: 274492

Ion Ratio Lower Upper

91 100

126 33.5 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 19.521 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054988.D

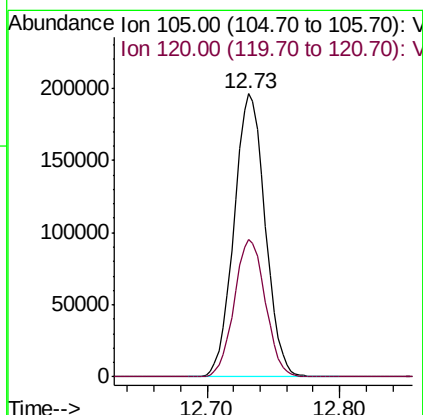
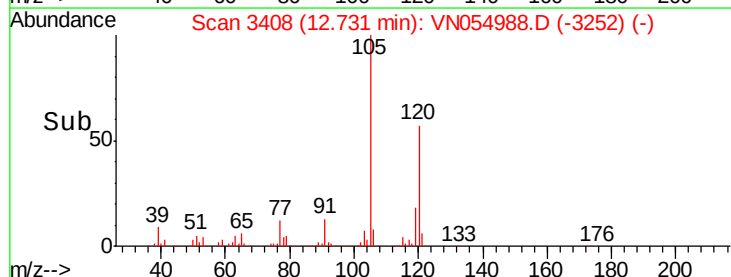
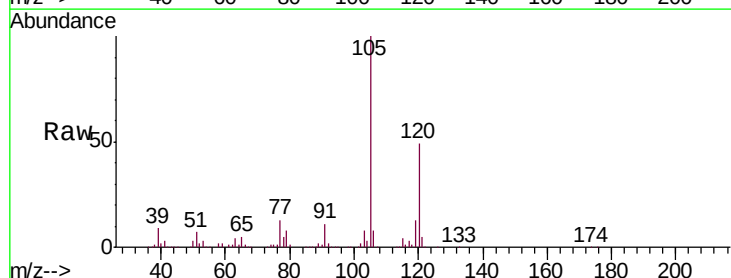
Acq: 11 Apr 2019 20:15

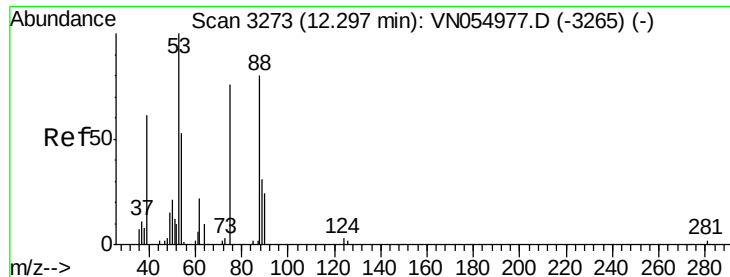
Tgt Ion: 105 Resp: 320213

Ion Ratio Lower Upper

105 100

120 48.4 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.759 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBSD01

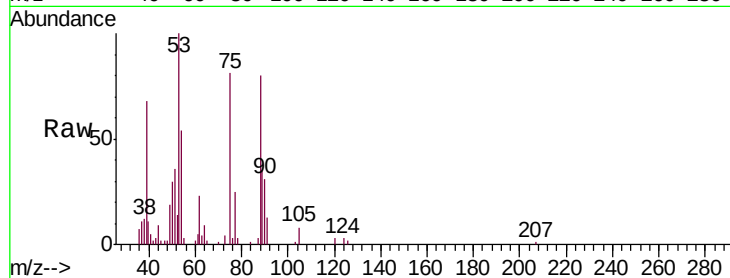
Tgt Ion: 75 Resp: 17156

Ion Ratio Lower Upper

75 100

53 121.1 64.3 192.7

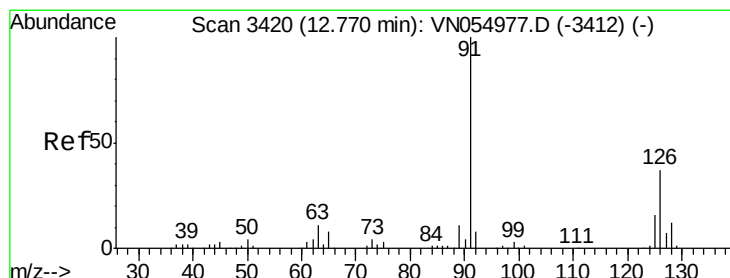
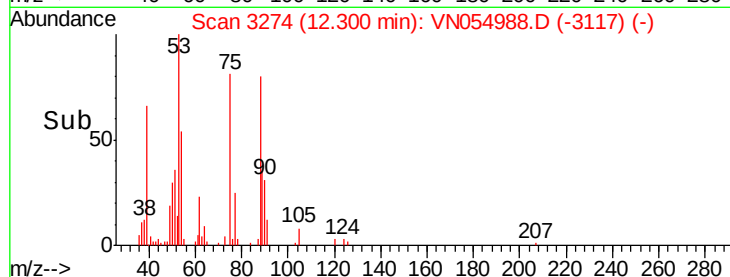
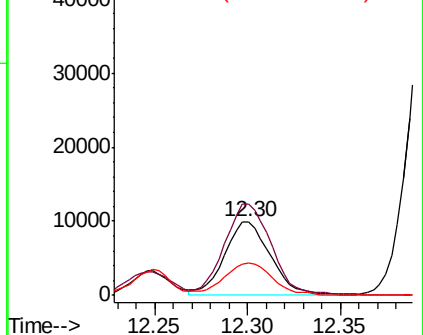
89 43.4 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.137 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054988.D

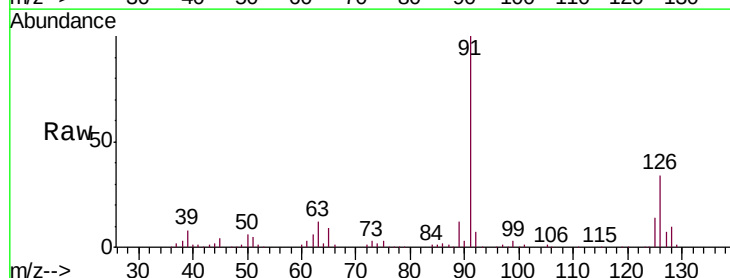
Acq: 11 Apr 2019 20:15

Tgt Ion: 91 Resp: 249799

Ion Ratio Lower Upper

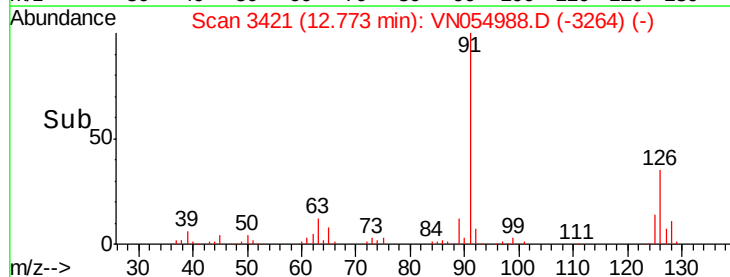
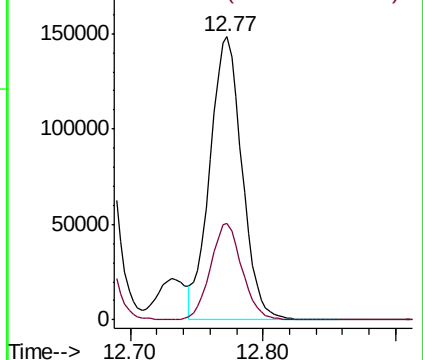
91 100

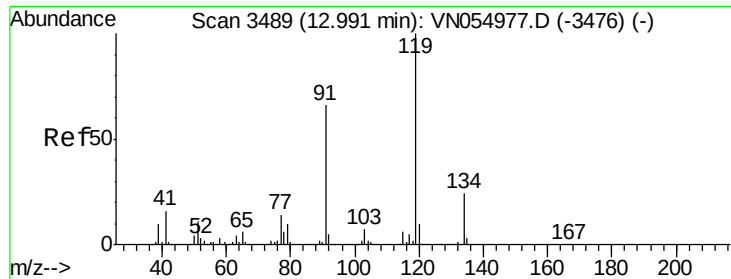
126 33.5 0.0 66.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

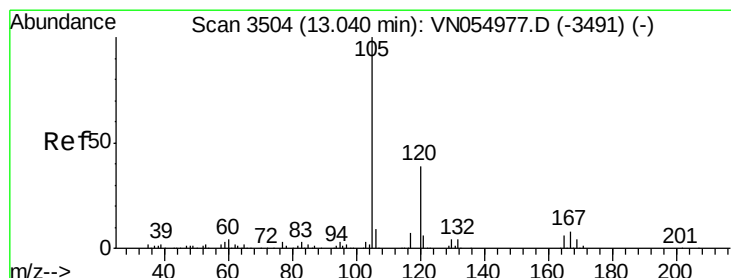
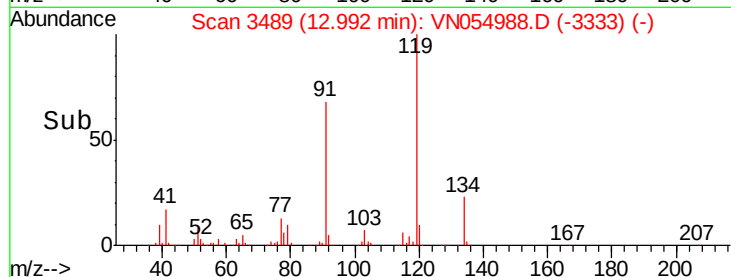
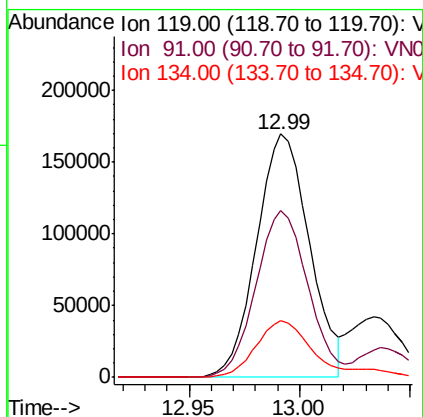
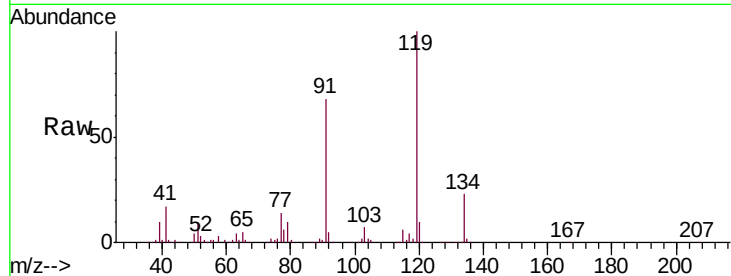




#79
tert-butylbenzene
Concen: 19.863 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

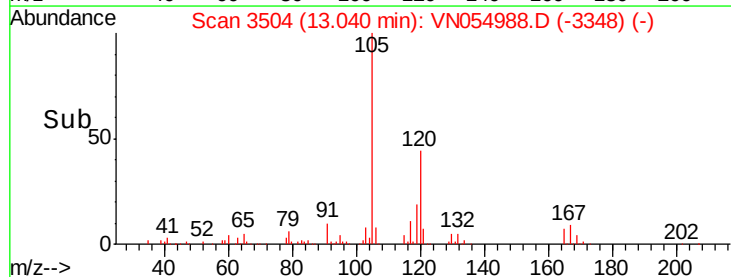
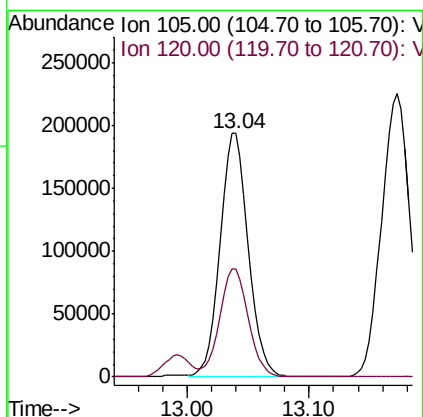
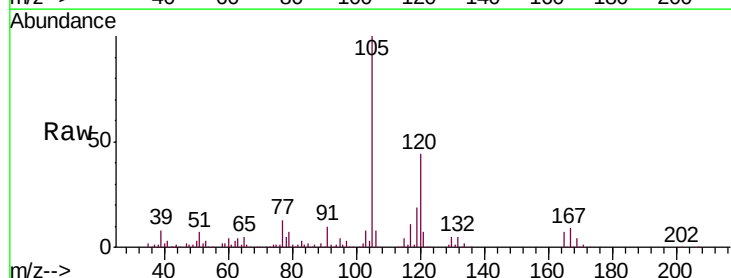
Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

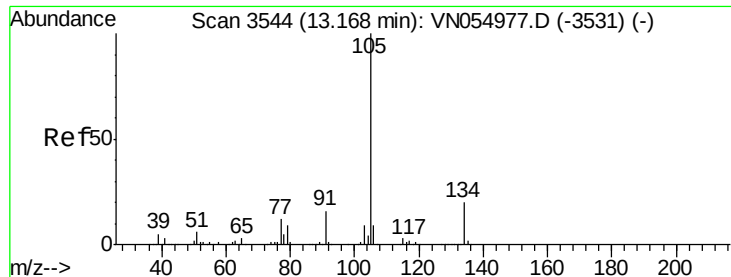
Tgt Ion:119 Resp: 281936
Ion Ratio Lower Upper
119 100
91 67.5 0.0 132.6
134 24.0 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 19.551 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion:105 Resp: 315055
Ion Ratio Lower Upper
105 100
120 44.8 0.0 91.4

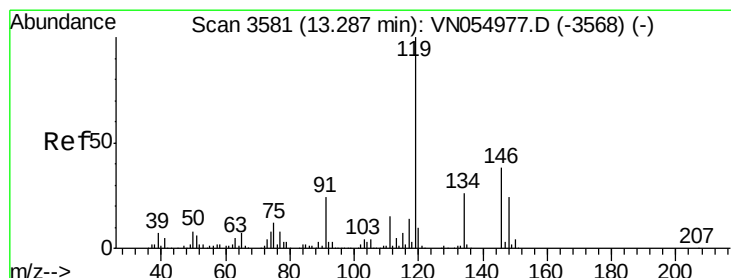
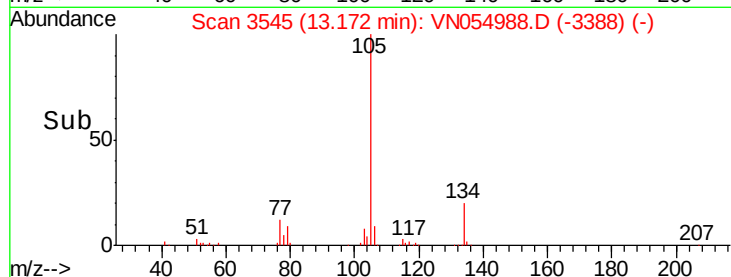
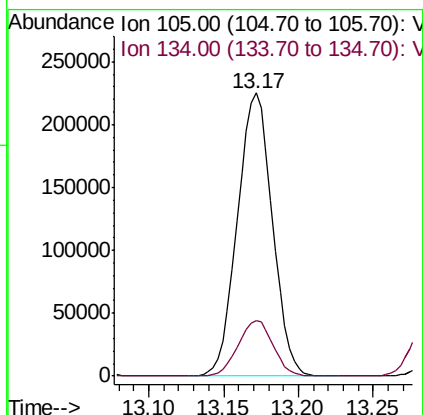
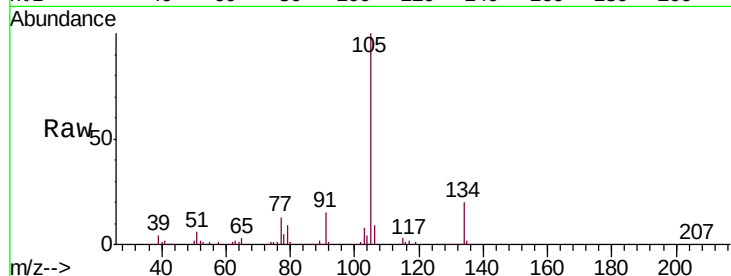




#81
 sec-Butylbenzene
 Concen: 19.322 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

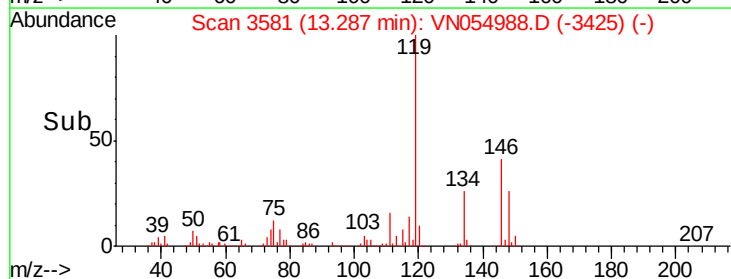
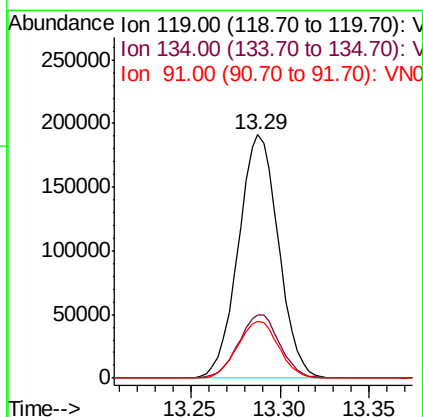
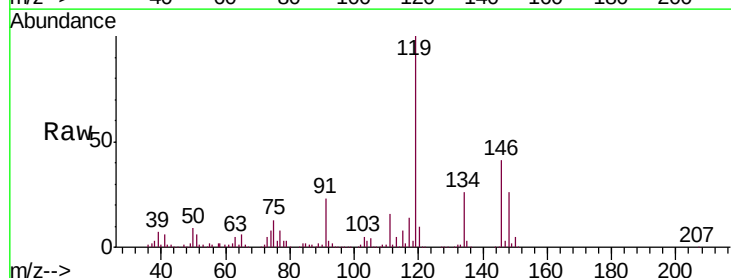
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

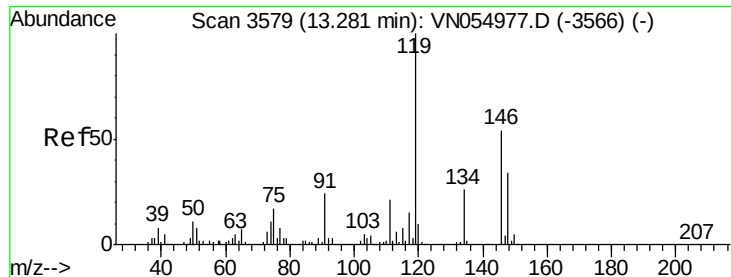
Tgt Ion:105 Resp: 366442
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 18.763 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion:119 Resp: 300327
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.2
 91 23.9 0.0 47.8

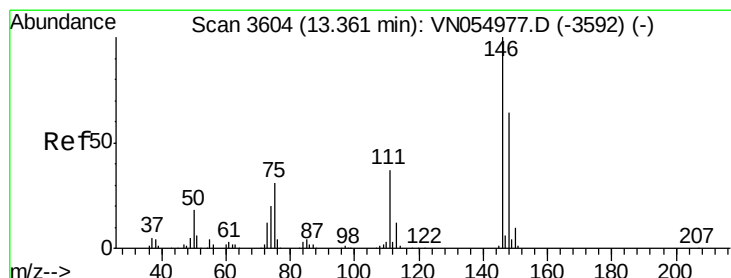
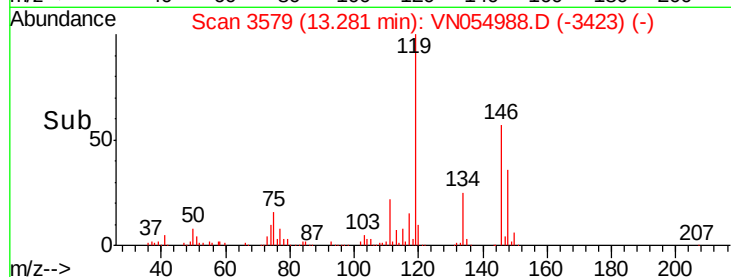
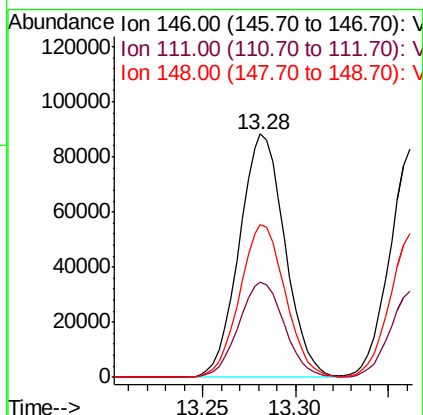
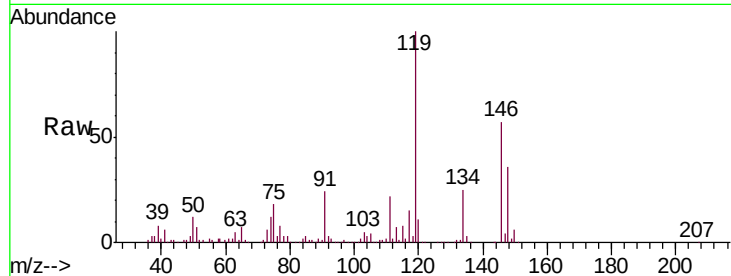




#83
 1,3-Dichlorobenzene
 Concen: 18.852 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

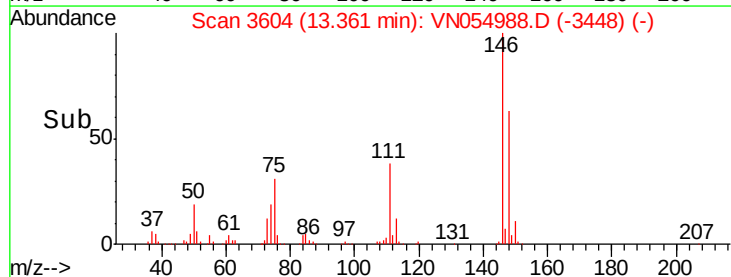
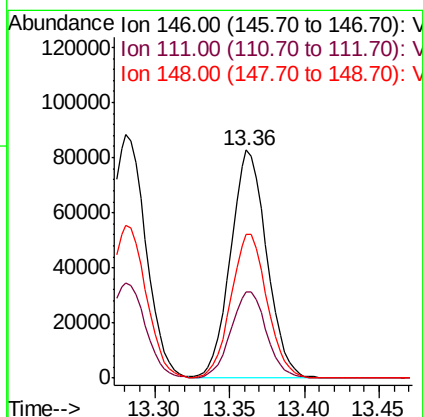
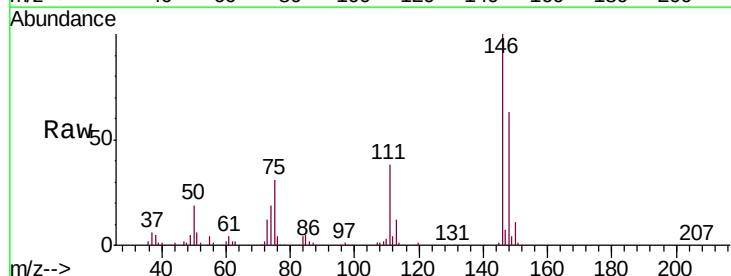
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

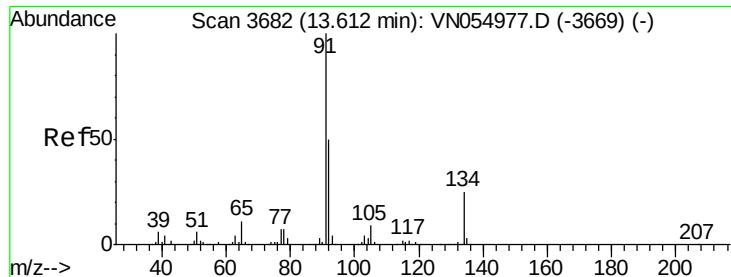
Tgt Ion:146 Resp: 151257
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.1 57.5
 148 62.7 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.274 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion:146 Resp: 139327
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.2
 148 63.0 32.5 97.4





#85

n-Butylbenzene

Concen: 16.992 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054988.D

Acq: 11 Apr 2019 20:15

Instrument :

MSVOA_N

ClientSampled :

VN0411WBSD01

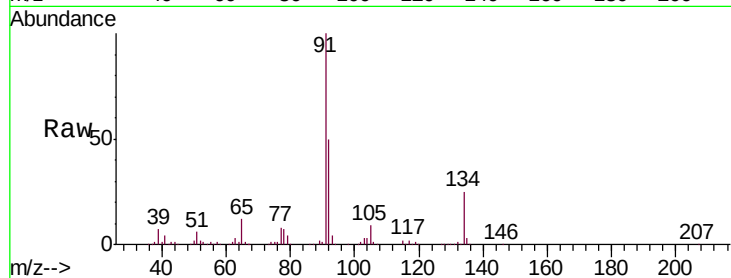
Tgt Ion: 91 Resp: 216650

Ion Ratio Lower Upper

91 100

92 50.1 0.0 101.4

134 24.5 0.0 49.8

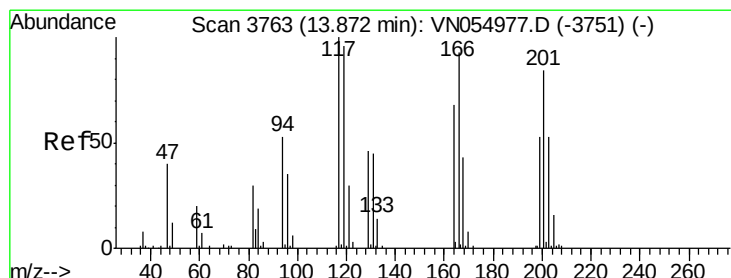
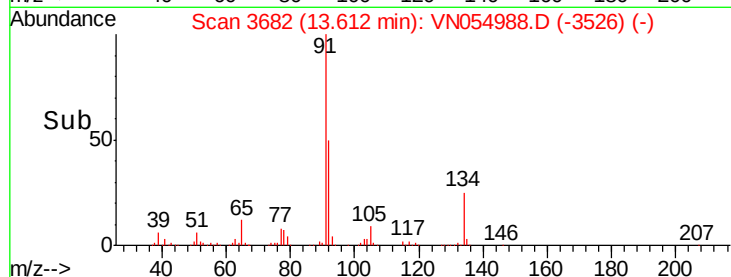


Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 18.589 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054988.D

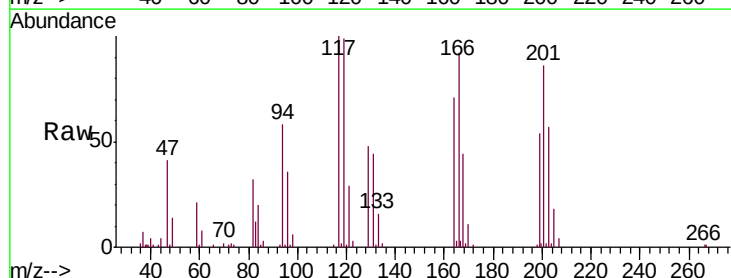
Acq: 11 Apr 2019 20:15

Tgt Ion: 117 Resp: 47629

Ion Ratio Lower Upper

117 100

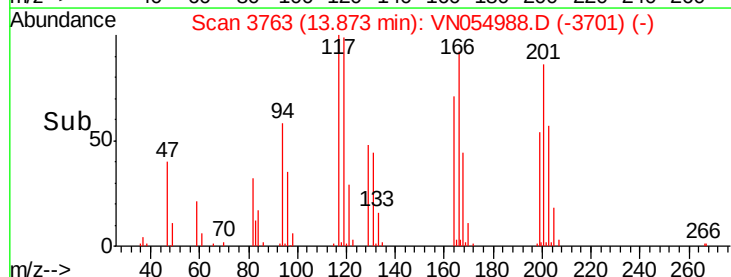
201 85.0 42.8 128.3

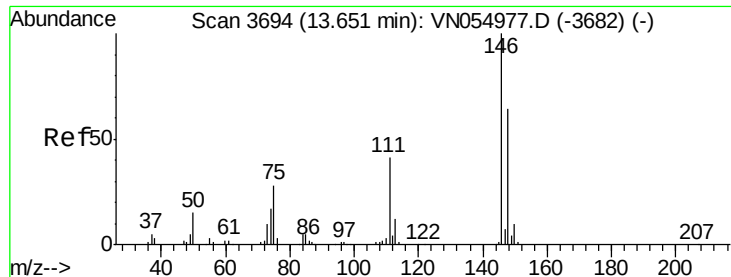


Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

Time-->

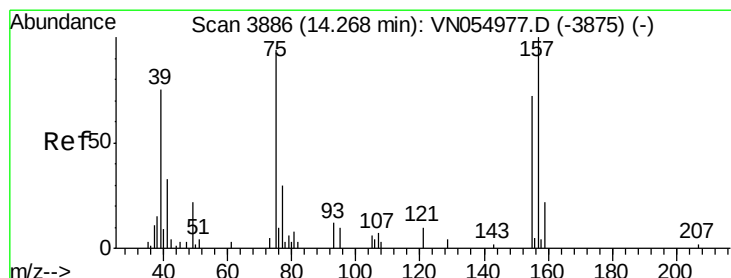
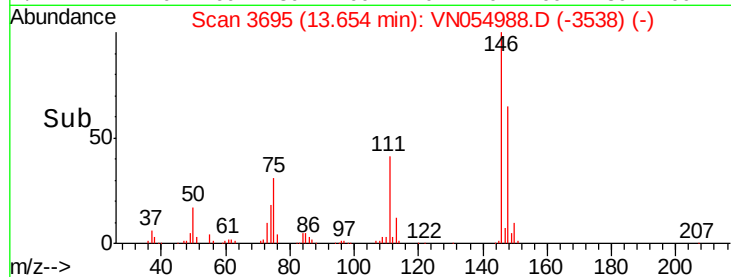
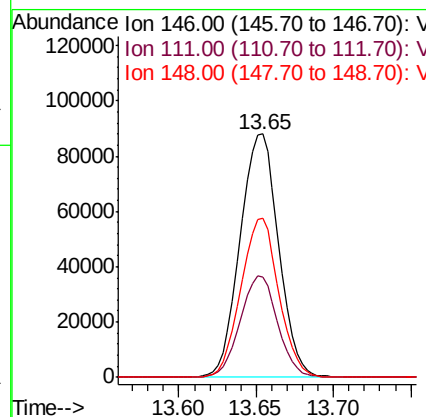
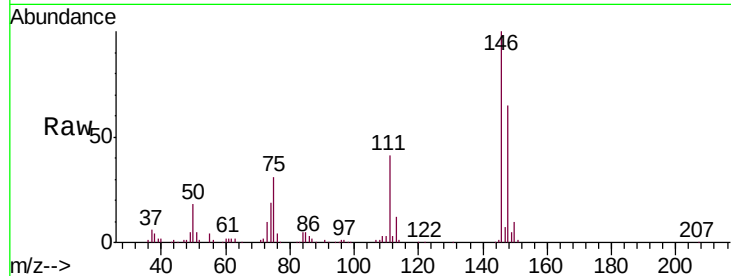




#87
 1,2-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

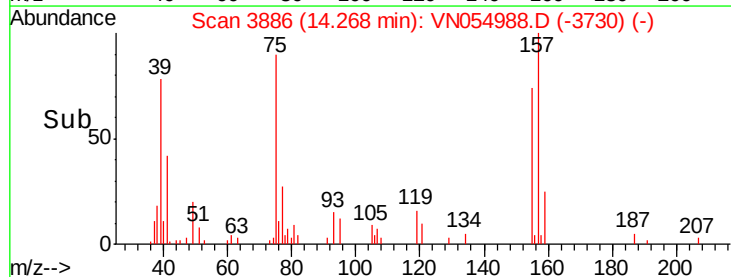
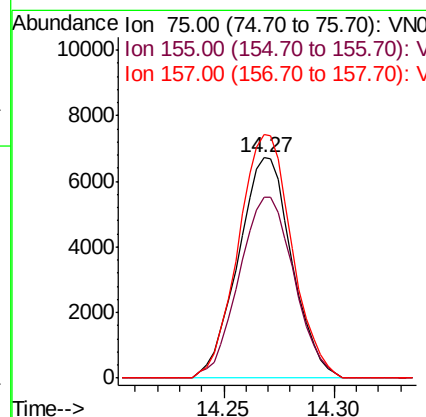
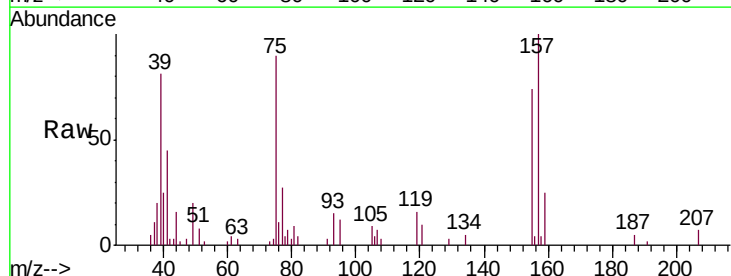
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

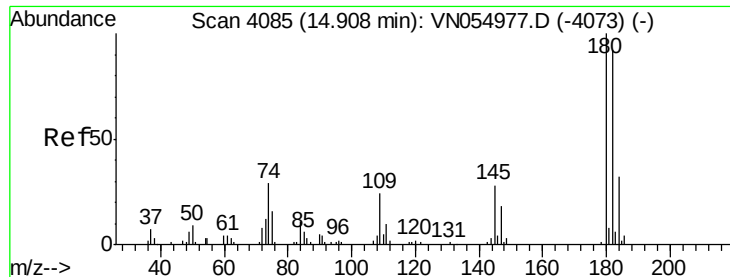
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	64.3	32.5	97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.397 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	61.8	92.8
157	110.2	82.7	124.1

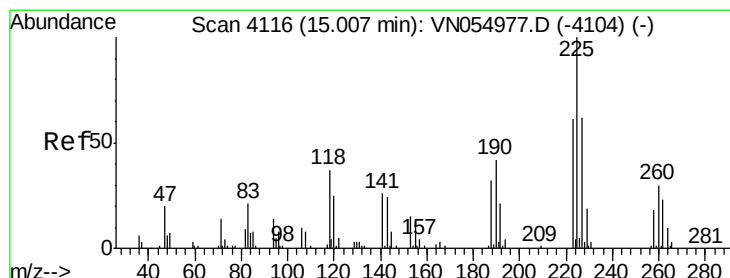
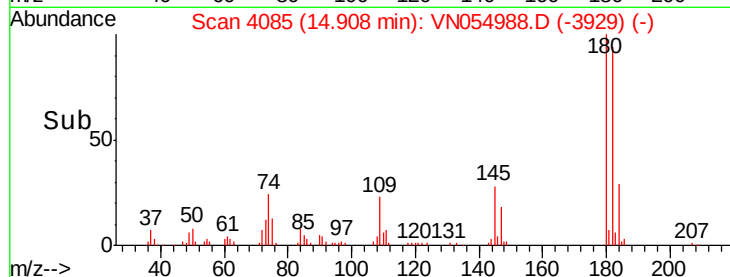
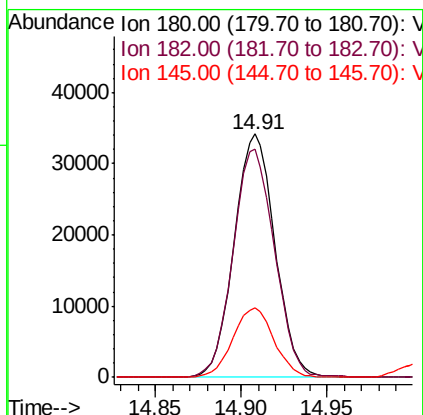
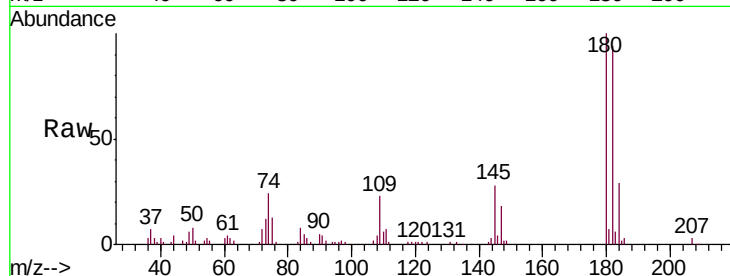




#89
 1,2,4-Trichlorobenzene
 Concen: 16.057 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

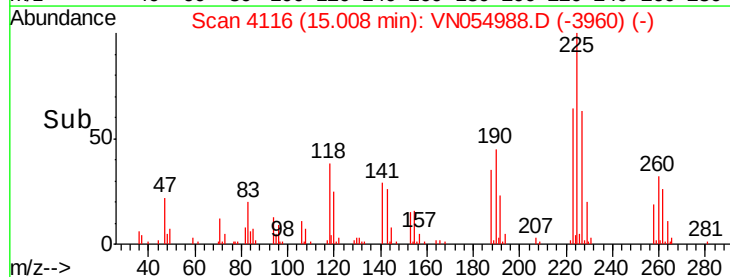
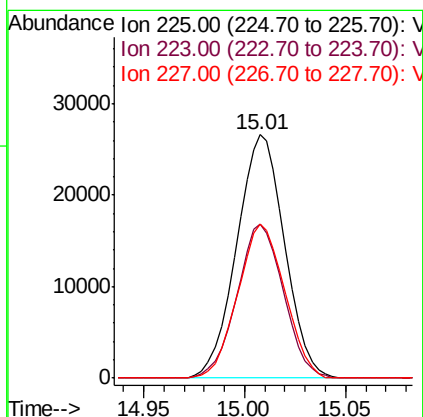
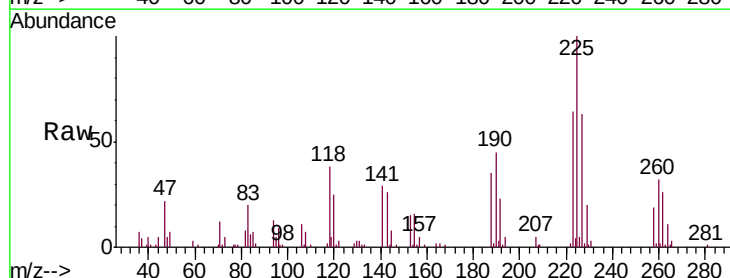
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

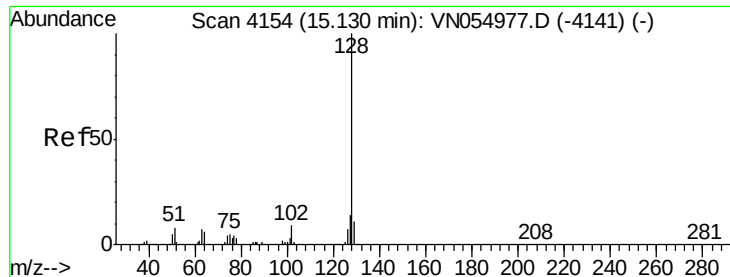
Tgt Ion:180 Resp: 56404
 Ion Ratio Lower Upper
 180 100
 182 95.6 73.2 109.8
 145 28.8 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 17.218 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054988.D
 Acq: 11 Apr 2019 20:15

Tgt Ion:225 Resp: 44099
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 126.0
 227 62.3 0.0 125.4

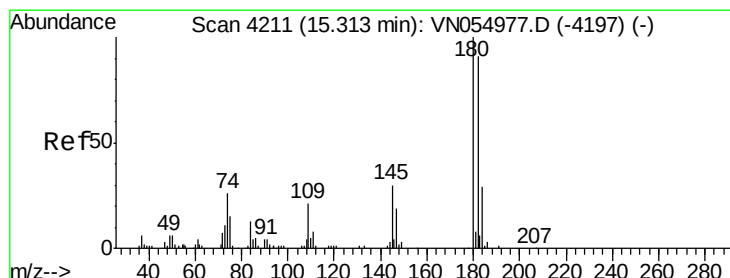
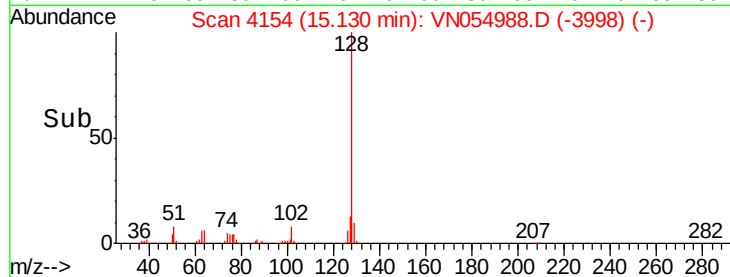
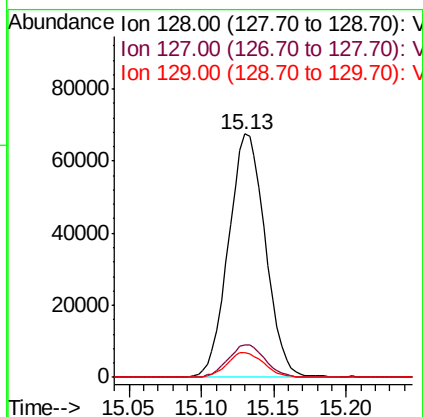
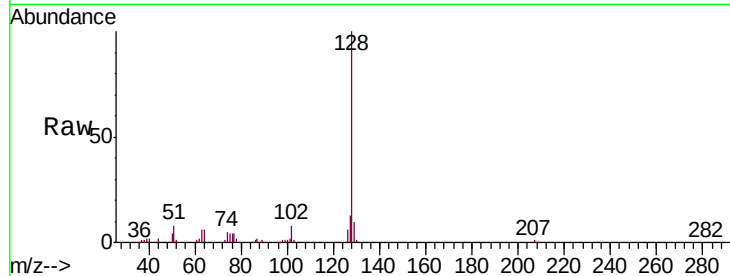




#91
Naphthalene
Concen: 16.164 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBSD01

Tgt Ion:128 Resp: 118893
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.4 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 16.590 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054988.D
Acq: 11 Apr 2019 20:15

Tgt Ion:180 Resp: 58285
Ion Ratio Lower Upper
180 100
182 99.5 0.0 188.2
145 30.4 0.0 61.2

