

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056418.D
 Acq On : 21 Jun 2019 12:08
 Operator : JC/SP
 Sample : VN0621WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Quant Time: Jun 24 09:37:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	61771	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	332487	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290859	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	123761	32.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.53%
60) 4-Bromofluorobenzene	12.40	95	127134	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	404274	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73557	21.172	ug/l 99
3) Chloromethane	2.06	50	86467	21.301	ug/l 97
4) Vinyl Chloride	2.18	62	84682	20.461	ug/l 96
5) Bromomethane	2.52	94	47906m	18.418	ug/l
6) Chloroethane	2.68	64	49733	21.245	ug/l 97
7) Trichlorofluoromethane	3.00	101	108565	21.201	ug/l 97
8) Diethyl Ether	3.41	74	43570	20.062	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66301	20.975	ug/l 95
10) 1,1-Dichloroethene	3.73	96	64928	20.136	ug/l 97
11) Methyl Iodide	3.95	142	86958	17.093	ug/l 99
12) Methyl Acetate	4.33	43	90516	23.361	ug/l 100
13) Acrolein	3.61	56	17491	92.615	ug/l 98
14) Acrylonitrile	4.99	53	189888	109.893	ug/l 99
15) Acetone	3.82	58	57456	101.553	ug/l 95
16) Carbon Disulfide	4.05	76	133726	17.430	ug/l 100
17) Allyl chloride	4.32	41	105441	21.105	ug/l 97
18) Methylene Chloride	4.55	84	76338	20.450	ug/l 89
19) trans-1,2-Dichloroethene	5.04	96	68516	19.907	ug/l 95
20) Diisopropyl ether	5.95	45	226235	21.857	ug/l 97
21) 1,1-Dichloroethane	5.85	63	129843	21.585	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	81941	20.397	ug/l 96
23) tert-Butyl Alcohol	4.80	59	62062	92.275	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	213352	20.762	ug/l 99
25) Chloroform	7.37	83	126107	20.994	ug/l 98
26) Cyclohexane	7.65	56	117967	21.138	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	94091	20.921	ug/l 98
30) 2-Butanone	6.84	43	256187	108.202	ug/l 99
31) 2,2-Dichloropropane	6.82	77	85134	20.348	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	102384	20.605	ug/l 99
33) Carbon Tetrachloride	7.77	117	81667	19.399	ug/l 99
34) Benzene	8.04	78	297351	20.750	ug/l 97
35) Methacrylonitrile	7.18	41	47068	23.542	ug/l 97
36) 1,2-Dichloroethane	8.13	62	98688	21.987	ug/l 98
37) Trichloroethene	8.83	130	77868	19.419	ug/l 93
38) Methylcyclohexane	9.08	83	113676	19.937	ug/l 98
39) 1,2-Dichloropropane	9.12	63	77961	21.242	ug/l 98
40) Dibromomethane	9.21	93	50363	20.696	ug/l 95

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	89419	20.521	ug/l	99
42) Vinyl Acetate	5.90	43	907166	107.470	ug/l	98
43) Ethyl Acetate	6.93	43	97297	21.472	ug/l	93
44) Isopropyl Acetate	8.17	43	144809	20.582	ug/l #	83
45) 1,4-Dioxane	9.20	88	30120	400.196	ug/l	96
46) Methyl methacrylate	9.20	41	71996	20.599	ug/l	96
47) n-amyl Acetate	12.07	43	116464	20.016	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	88019	19.194	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	108046	20.122	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	74266	20.547	ug/l	98
51) Ethyl methacrylate	10.43	69	106046	19.394	ug/l	94
52) 1,3-Dichloropropane	10.71	76	125831	21.474	ug/l	99
53) Dibromochloromethane	10.90	129	66936	18.919	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76117	20.182	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	174121	90.910	ug/l	98
56) Bromoform	12.13	173	43800	17.112	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	483280	109.728	ug/l	97
59) 2-Hexanone	10.75	43	339293	107.781	ug/l	99
61) Tetrachloroethene	10.63	164	76776	18.940	ug/l	100
62) Toluene	10.16	91	318405	20.278	ug/l	99
64) Chlorobenzene	11.43	112	191896	20.148	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	67549	19.669	ug/l	99
66) Ethyl Benzene	11.51	91	334646	20.010	ug/l	100
67) m/p-Xylenes	11.62	106	249542	38.983	ug/l	95
68) o-Xylene	11.95	106	123921	19.774	ug/l	96
69) Styrene	11.96	104	193975	19.051	ug/l	98
70) Isopropylbenzene	12.25	105	329338	20.114	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	102474	20.758	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	84248m	19.714	ug/l	
73) Bromobenzene	12.53	156	82497	18.982	ug/l	94
74) n-propylbenzene	12.59	91	338831	19.609	ug/l	98
75) 2-Chlorotoluene	12.67	91	213757	19.945	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	265638	19.723	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	19890	16.311	ug/l	87
78) 4-Chlorotoluene	12.77	91	189832	18.966	ug/l	98
79) tert-butylbenzene	12.99	119	235890	19.769	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	247518	18.892	ug/l	100
81) sec-Butylbenzene	13.17	105	298615	19.782	ug/l	99
82) p-Isopropyltoluene	13.29	119	251198	18.406	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	119430	17.633	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	108557	16.827	ug/l	98
85) n-Butylbenzene	13.61	91	167360	16.431	ug/l	98
86) Hexachloroethane	13.87	117	39087	18.371	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	122018	17.724	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13391	17.281	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	37541	16.328	ug/l	97
90) Hexachlorobutadiene	15.01	225	43289	17.224	ug/l	98
91) Naphthalene	15.13	128	109037	11.925	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	47144	13.082	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

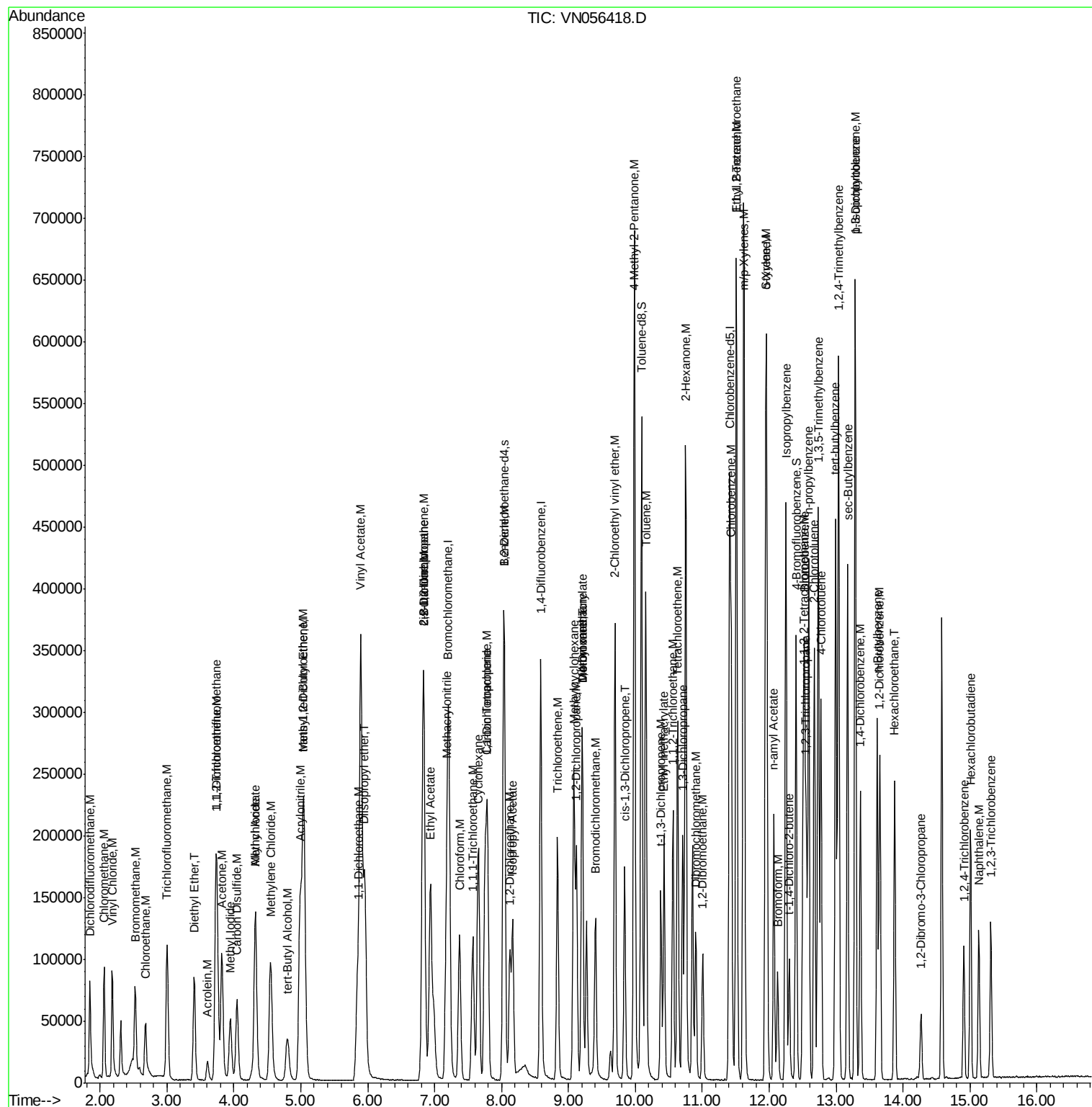
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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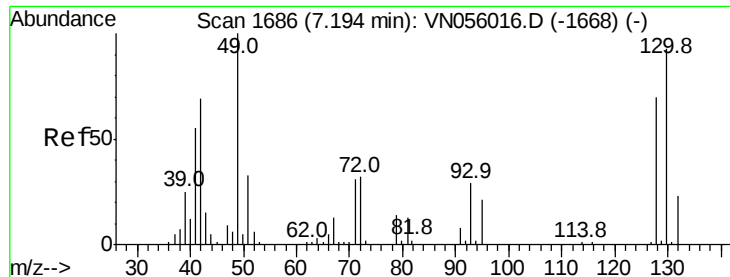
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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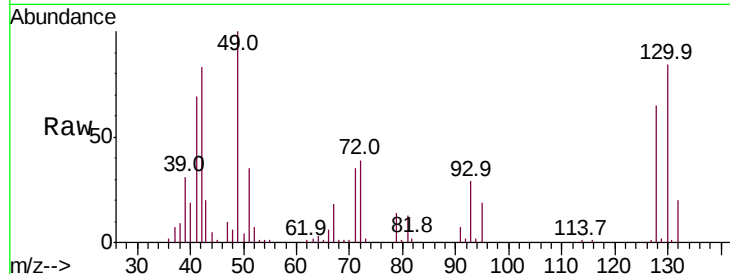




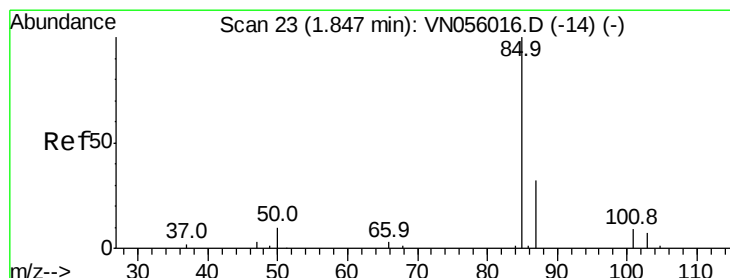
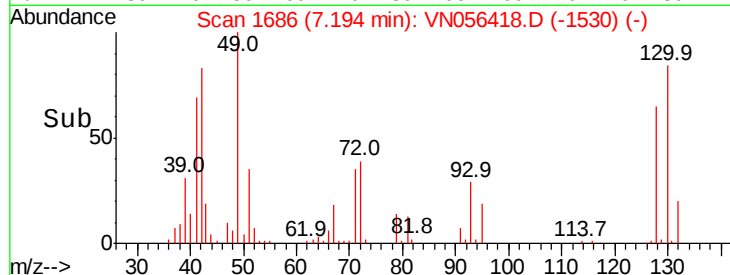
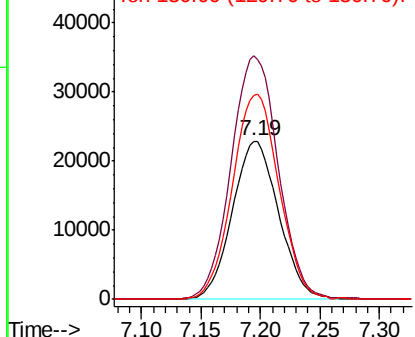
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion:128 Resp: 61771
 Ion Ratio Lower Upper
 128 100
 49 157.1 0.0 355.8
 130 130.6 0.0 326.3

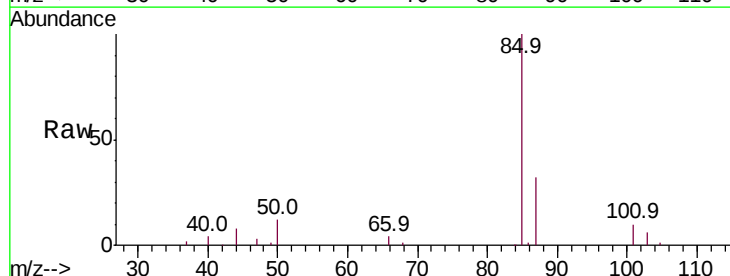


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

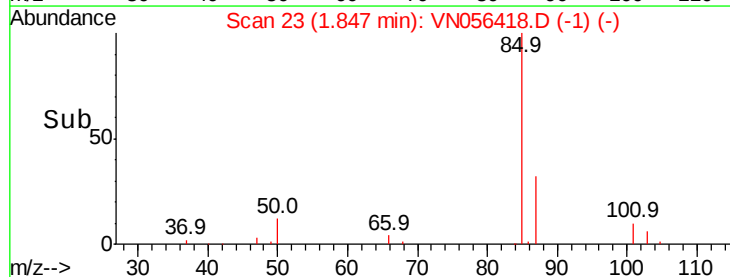
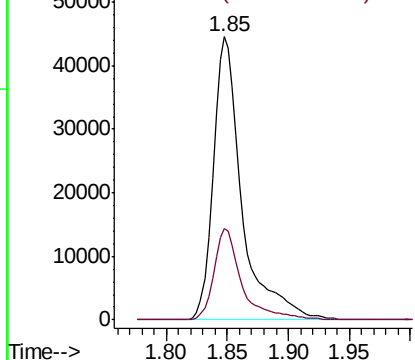


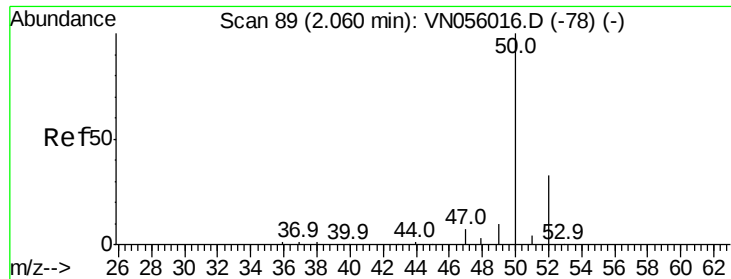
#2
 Dichlorodifluoromethane
 Concen: 21.172 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion: 85 Resp: 73557
 Ion Ratio Lower Upper
 85 100
 87 32.3 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.301 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

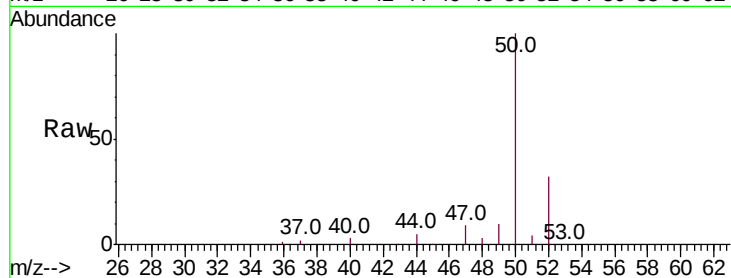
VN0621WBS01

Tot Ion: 50 Resp: 86467

Ion Ratio Lower Upper

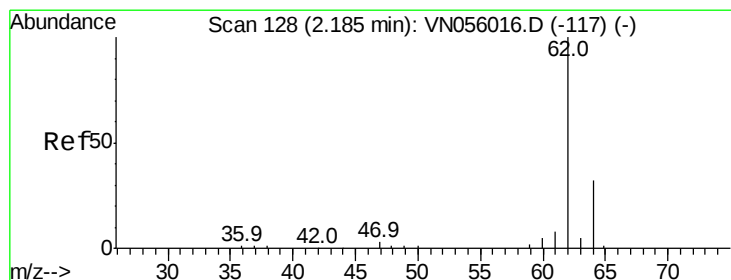
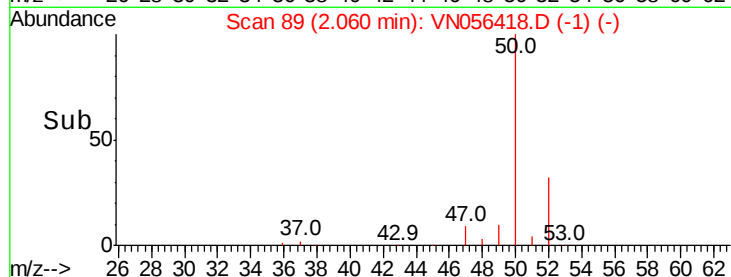
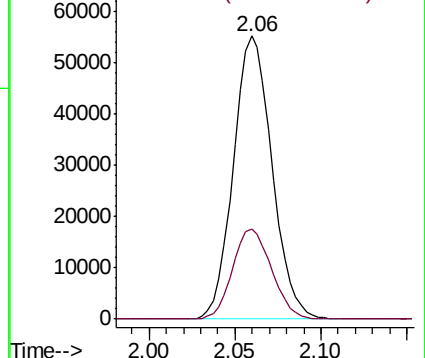
50 100

52 31.9 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.461 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056418.D

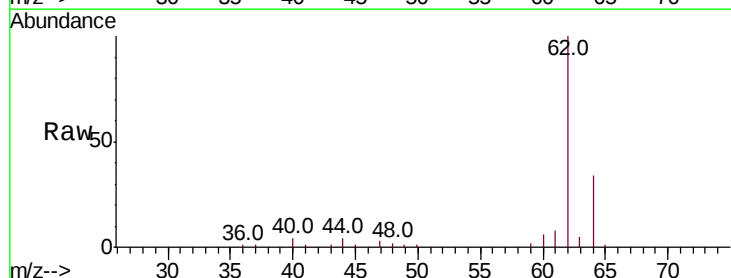
Acq: 21 Jun 2019 12:08

Tgt Ion: 62 Resp: 84682

Ion Ratio Lower Upper

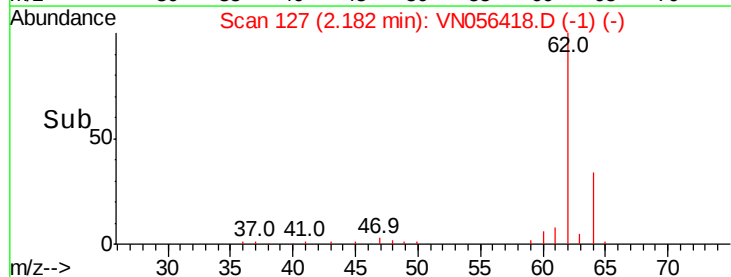
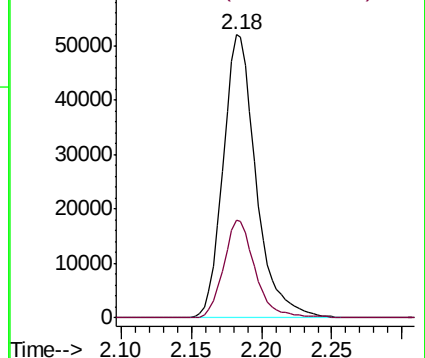
62 100

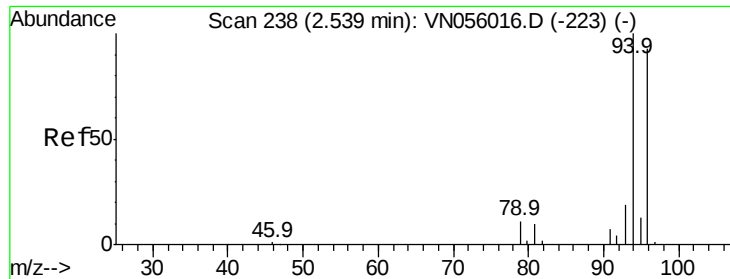
64 34.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

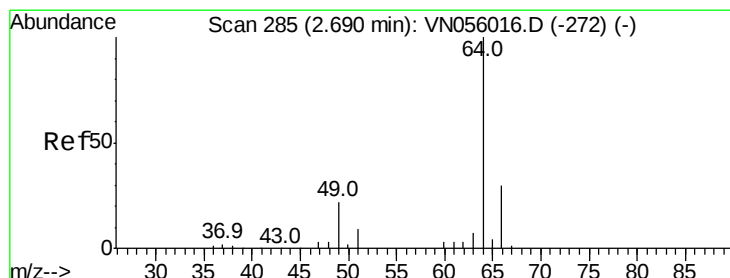
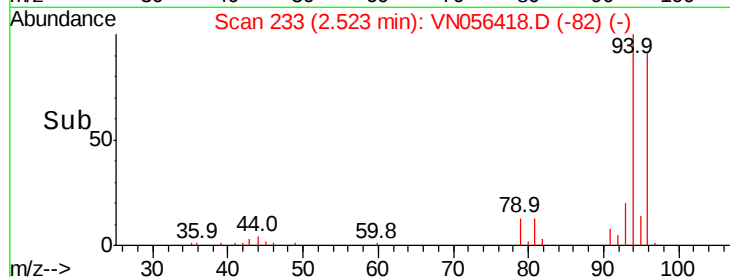
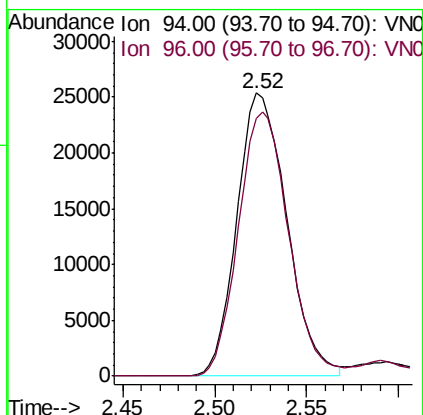
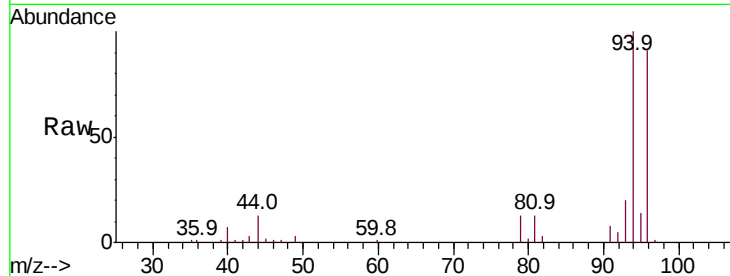




#5
Bromomethane
Concen: 18.418 ug/l m
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

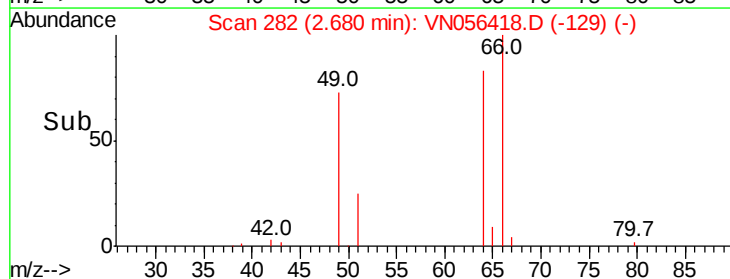
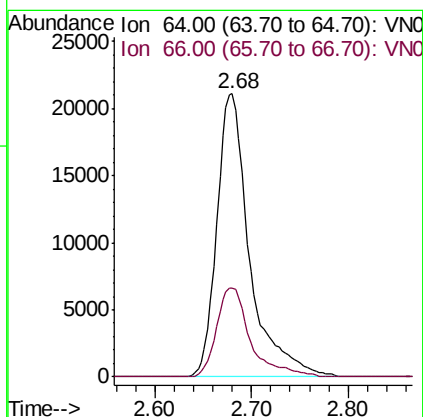
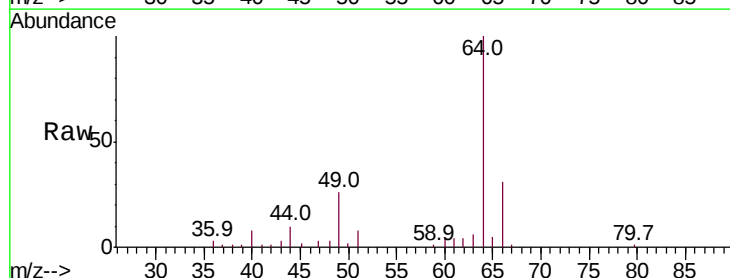
Instrument :
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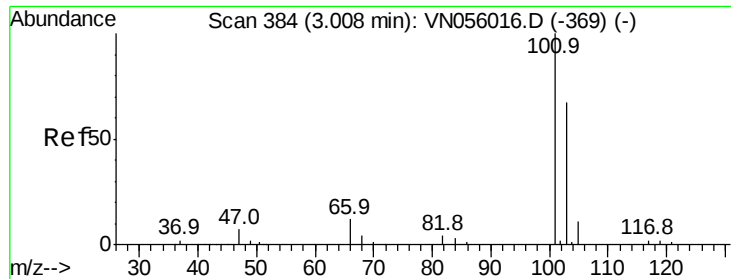
Tot Ion: 94 Resp: 47906
Ion Ratio Lower Upper
94 100
96 91.1 74.1 111.1



#6
Chloroethane
Concen: 21.245 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 64 Resp: 49733
Ion Ratio Lower Upper
64 100
66 31.4 23.7 35.5



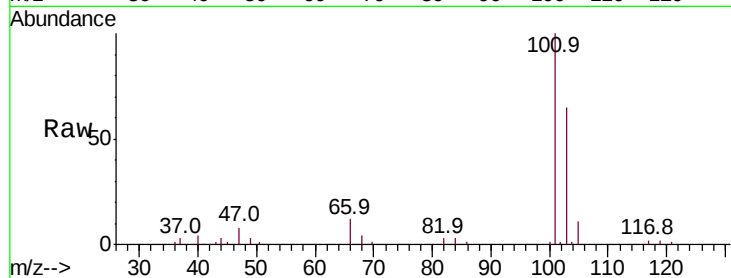


#7

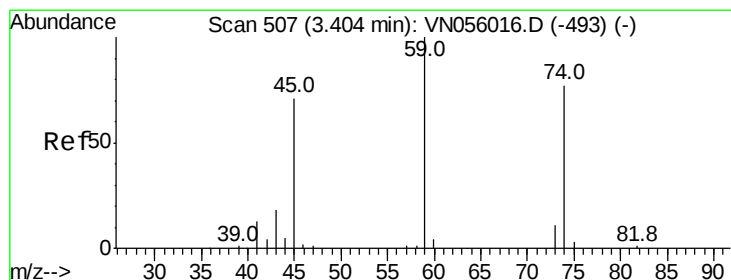
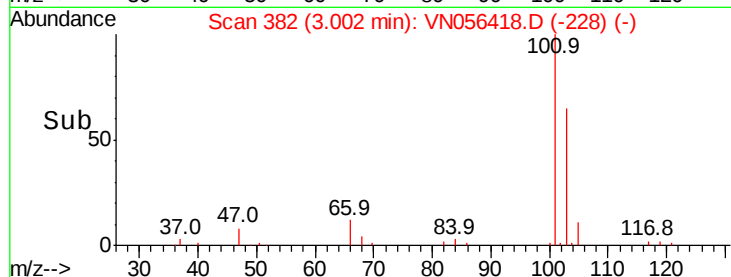
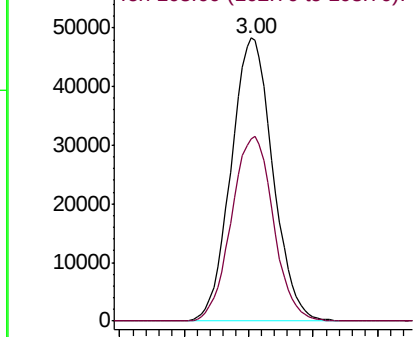
Trichlorofluoromethane
Concen: 21.201 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion:101 Resp: 108565
Ion Ratio Lower Upper
101 100
103 64.5 53.4 80.0



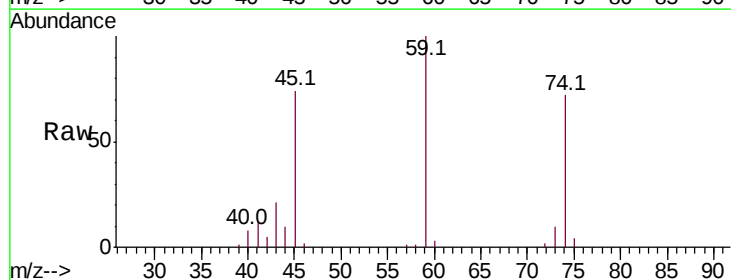
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



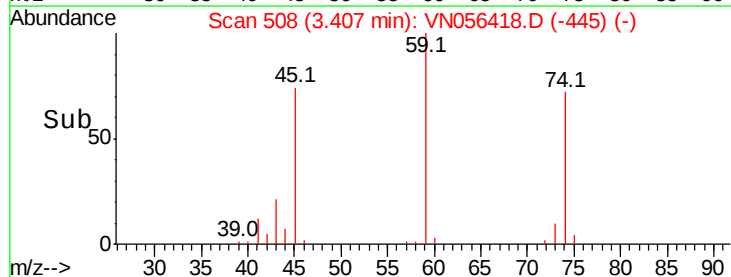
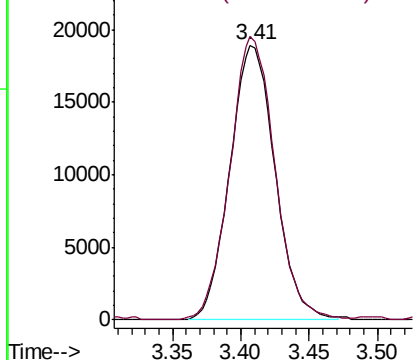
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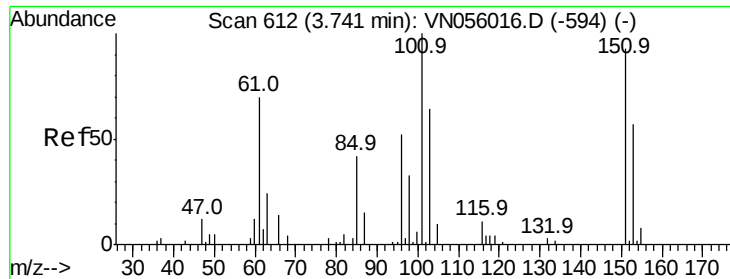
Diethyl Ether
Concen: 20.062 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 74 Resp: 43570
Ion Ratio Lower Upper
74 100
45 102.8 18.8 169.6



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.975 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

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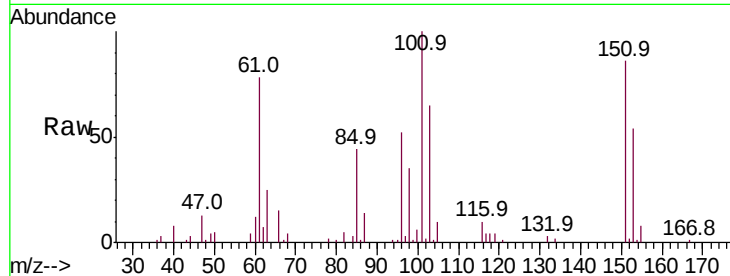
Tot Ion:101 Resp: 66301

Ion Ratio Lower Upper

101 100

85 43.2 0.0 82.0

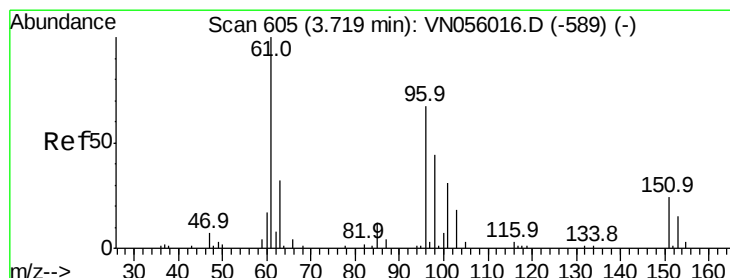
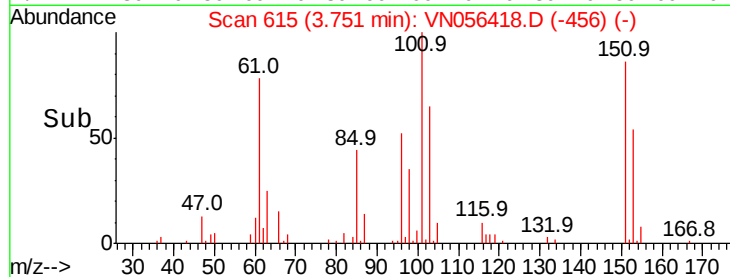
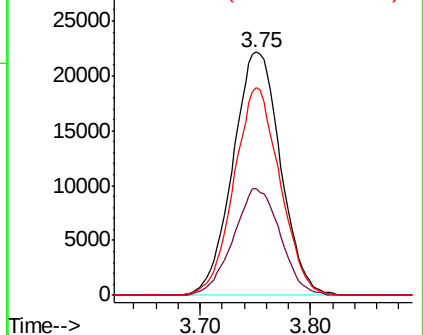
151 82.6 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.136 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

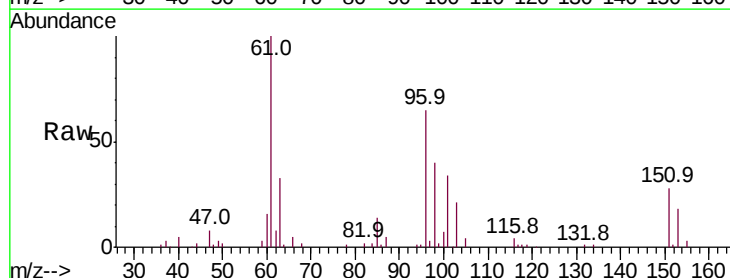
Tgt Ion: 96 Resp: 64928

Ion Ratio Lower Upper

96 100

61 152.8 119.7 179.5

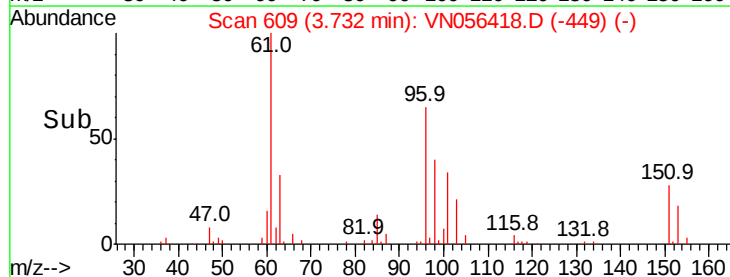
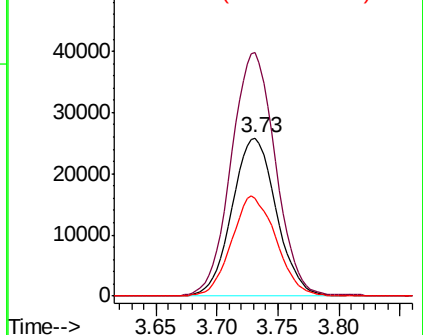
98 61.5 52.3 78.5

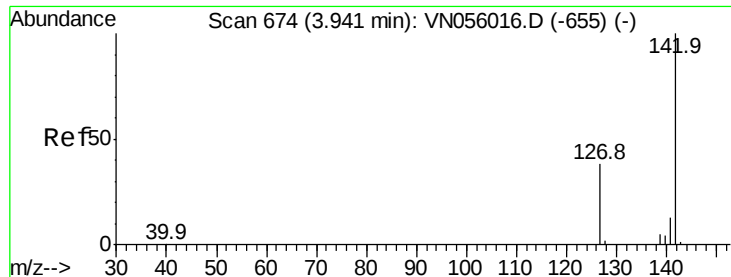


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

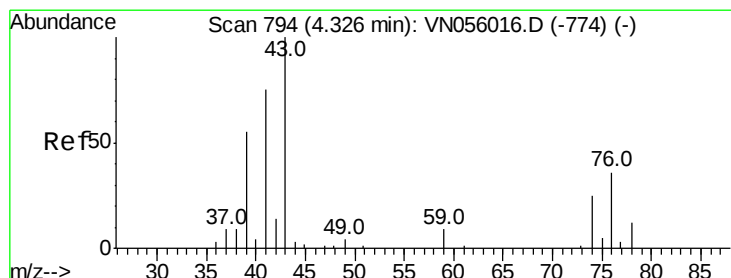
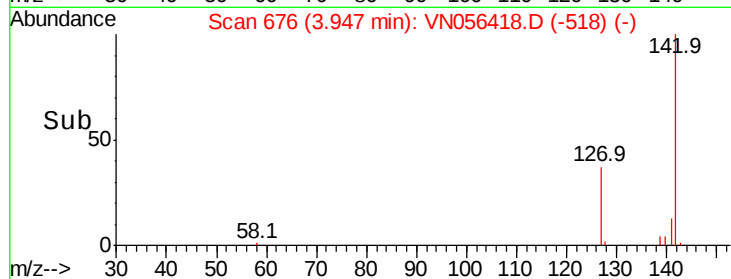
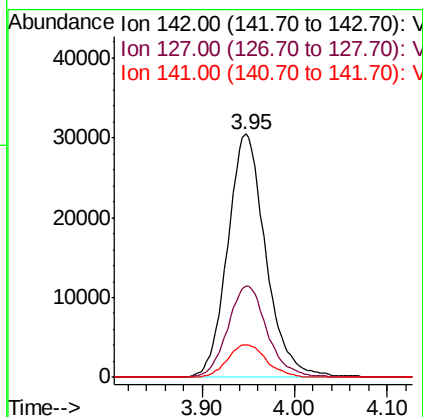
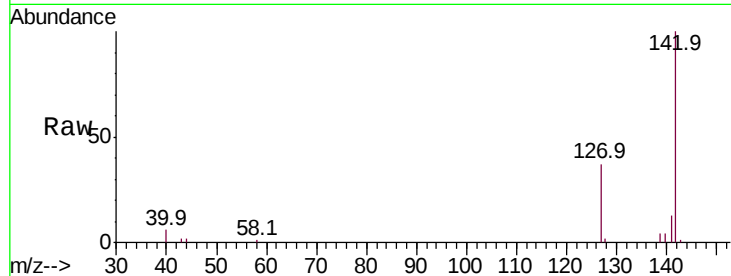




#11
Methvl Iodide
Concen: 17.093 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.01 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

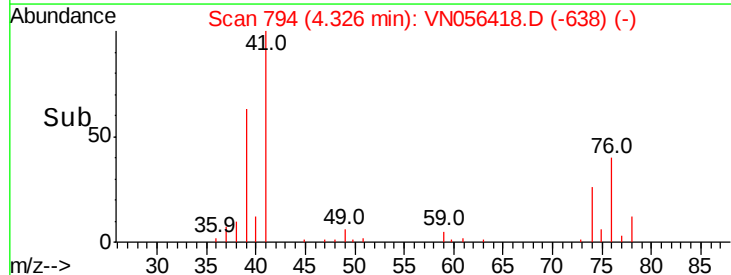
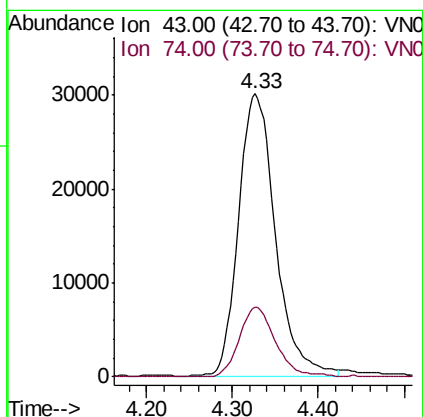
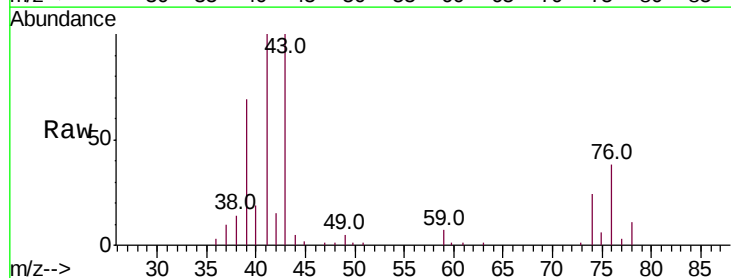
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

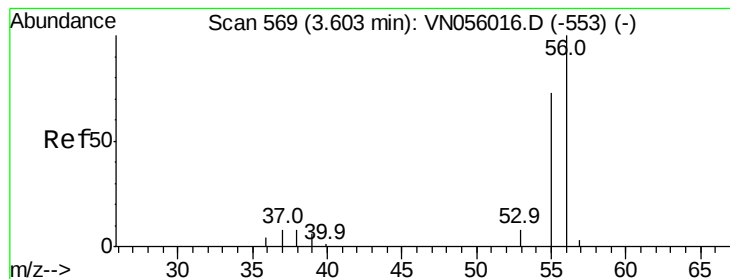
Tot Ion:142 Resp: 86958
Ion Ratio Lower Upper
142 100
127 37.6 19.0 57.0
141 13.5 6.7 20.0



#12
Methyl Acetate
Concen: 23.361 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 43 Resp: 90516
Ion Ratio Lower Upper
43 100
74 24.8 19.9 29.9





#13

Acrolein

Concen: 92.615 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

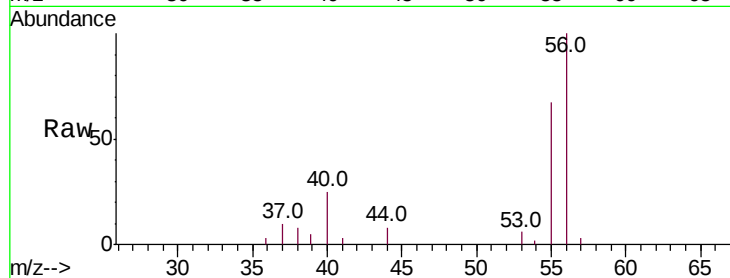
VN0621WBS01

Tot Ion: 56 Resp: 17491

Ion Ratio Lower Upper

56 100

55 74.4 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

8000

6000

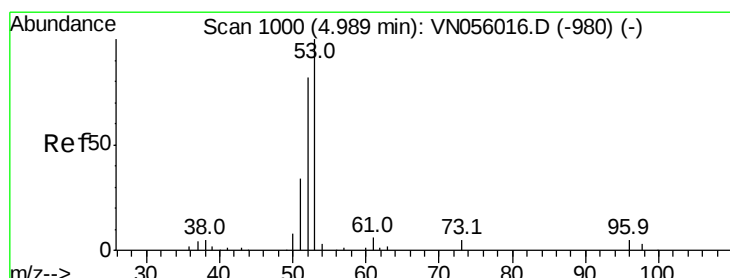
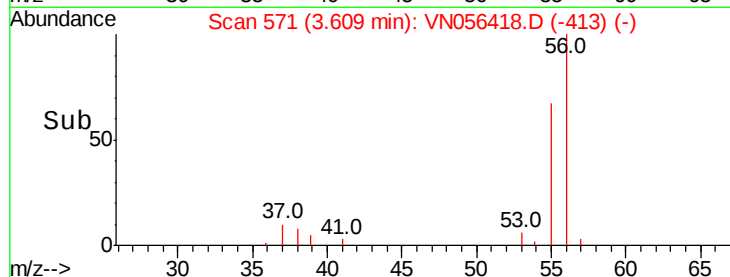
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 109.893 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

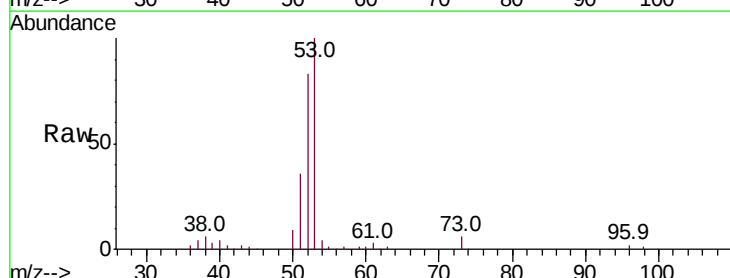
Tgt Ion: 53 Resp: 189888

Ion Ratio Lower Upper

53 100

52 81.8 40.8 122.2

51 35.4 17.3 52.0



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

4.99

60000

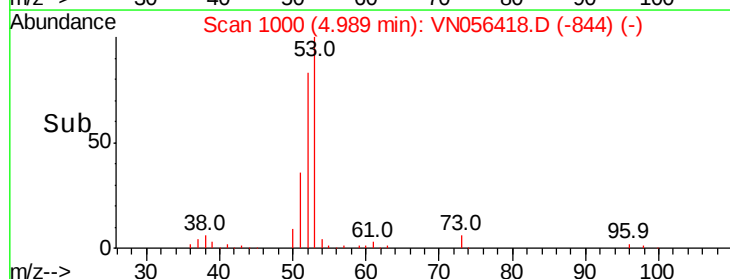
40000

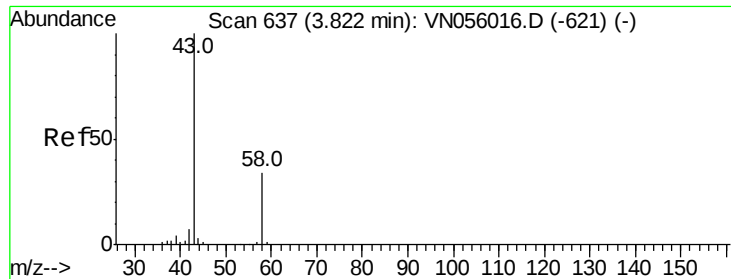
20000

0

Time-->

4.90 5.00 5.10 5.20





#15

Acetone

Concen: 101.553 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

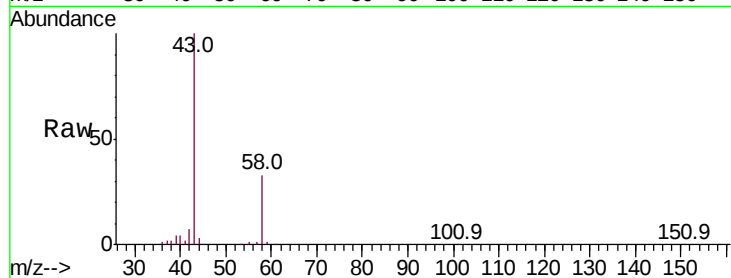
VN0621WBS01

Tot Ion: 58 Resp: 57456

Ion Ratio Lower Upper

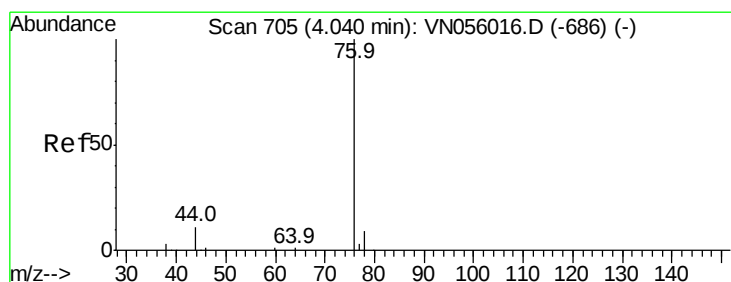
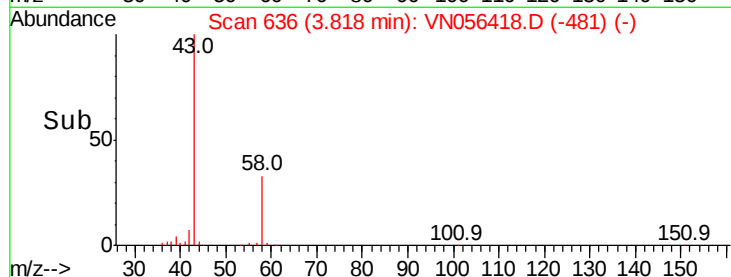
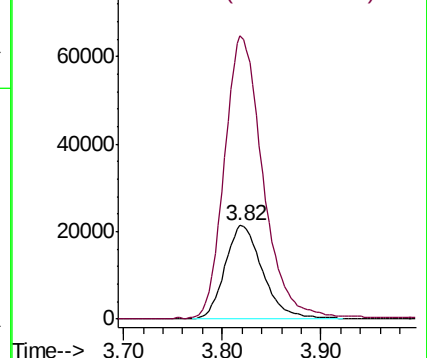
58 100

43 300.7 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.430 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN056418.D

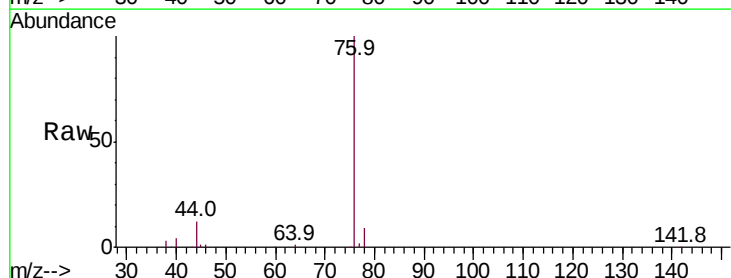
Acq: 21 Jun 2019 12:08

Tgt Ion: 76 Resp: 133726

Ion Ratio Lower Upper

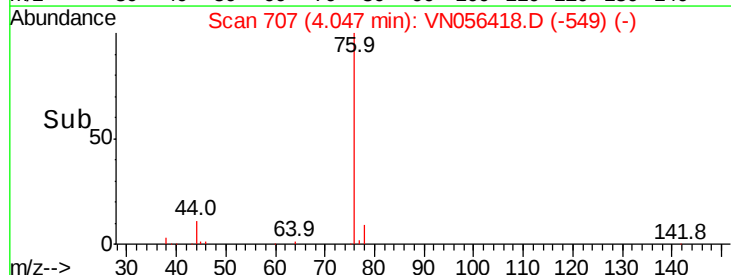
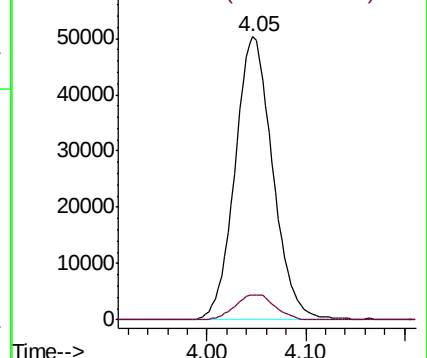
76 100

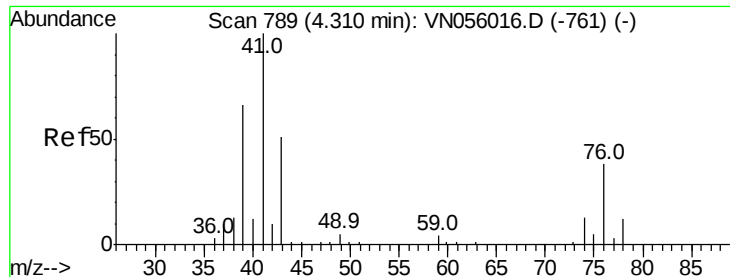
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

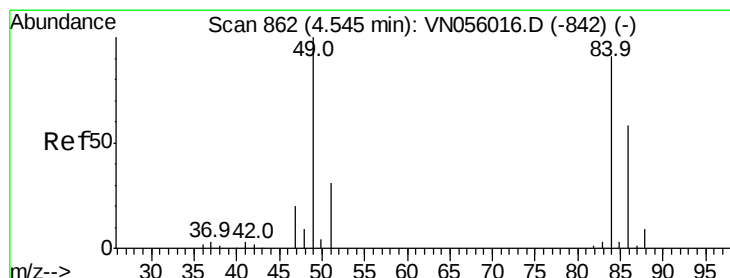
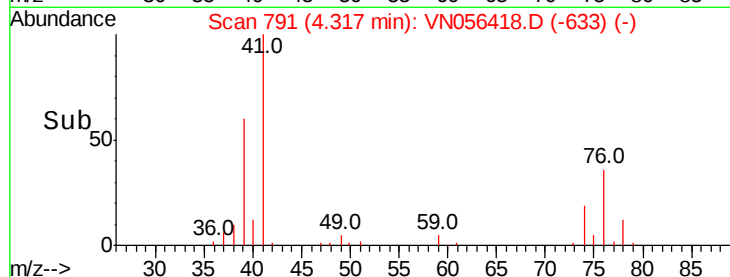
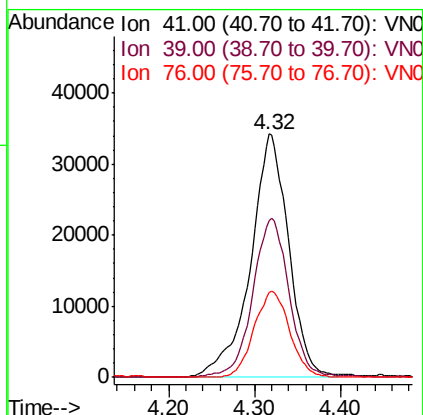
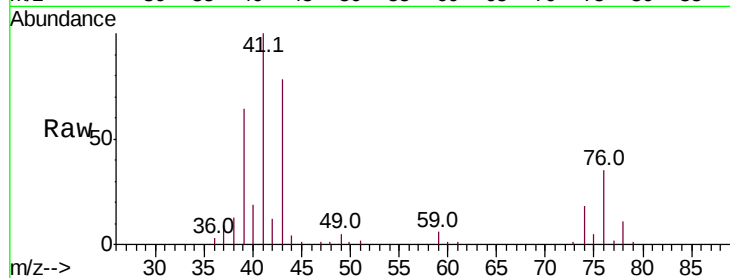




#17
Allvl chloride
Concen: 21.105 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

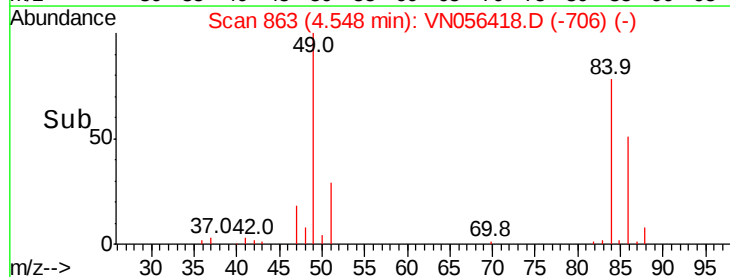
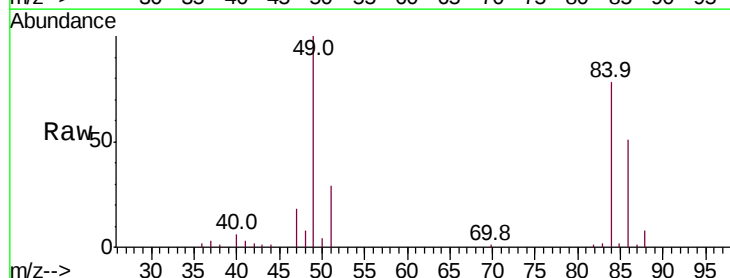
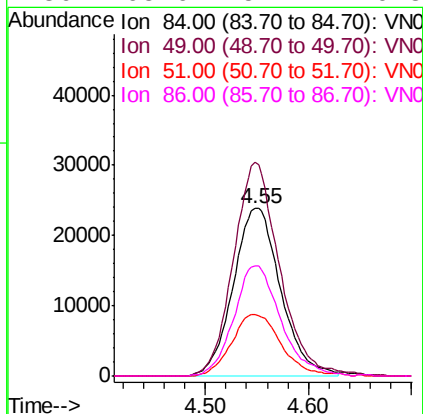
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

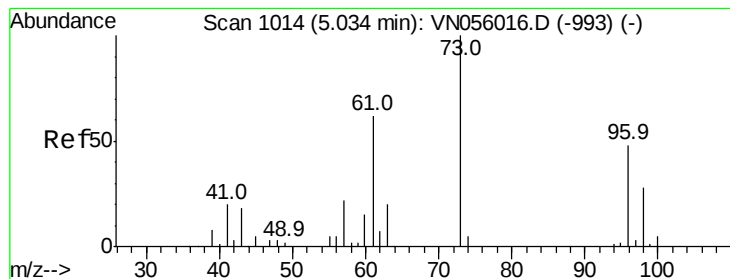
Tot Ion: 41 Resp: 105441
Ion Ratio Lower Upper
41 100
39 64.5 33.0 99.0
76 34.7 18.9 56.9



#18
Methylene Chloride
Concen: 20.450 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 84 Resp: 76338
Ion Ratio Lower Upper
84 100
49 127.5 87.6 131.4
51 36.8 27.0 40.4
86 65.6 51.2 76.8





#19

trans-1,2-Dichloroethene

Concen: 19.907 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

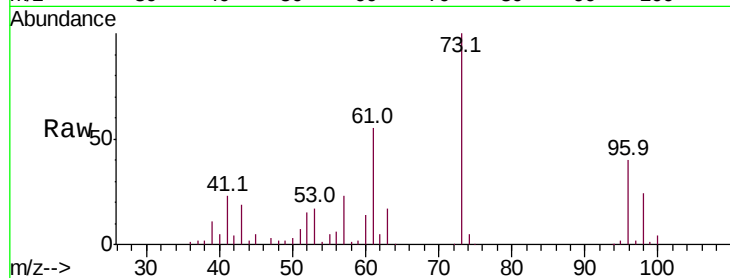
Tot Ion: 96 Resp: 68516

Ion Ratio Lower Upper

96 100

61 135.9 102.5 153.7

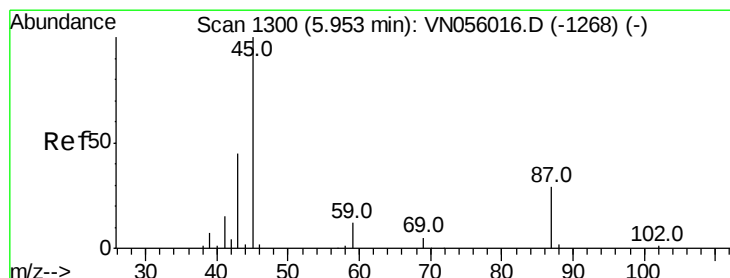
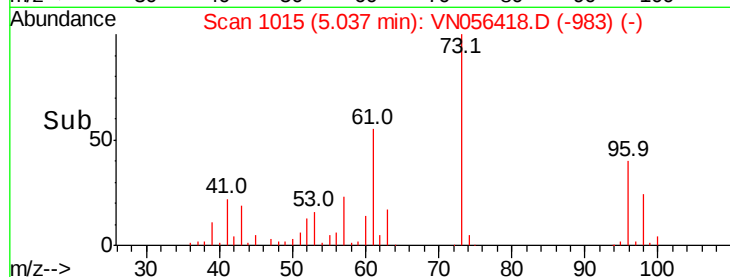
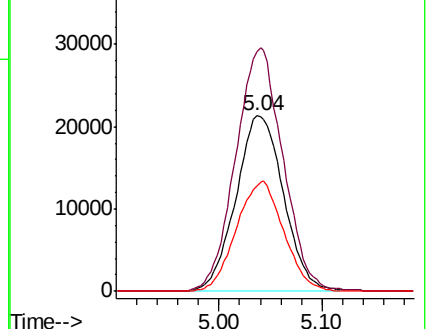
98 60.2 46.9 70.3



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: 21.857 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Tgt Ion: 45 Resp: 226235

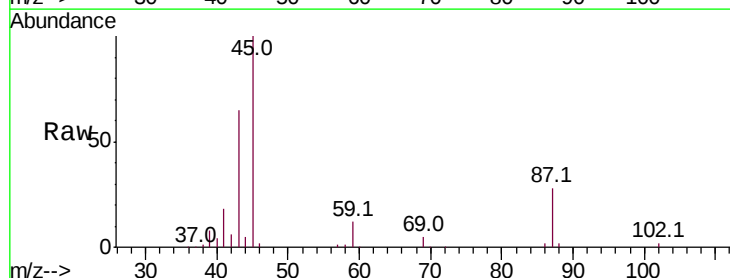
Ion Ratio Lower Upper

45 100

43 61.7 48.0 72.0

87 27.2 23.4 35.2

59 11.9 9.2 13.8

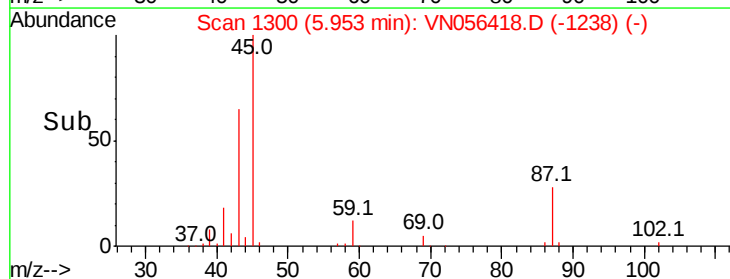
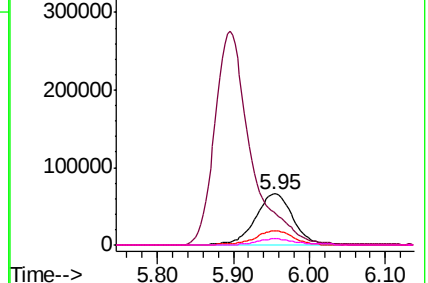


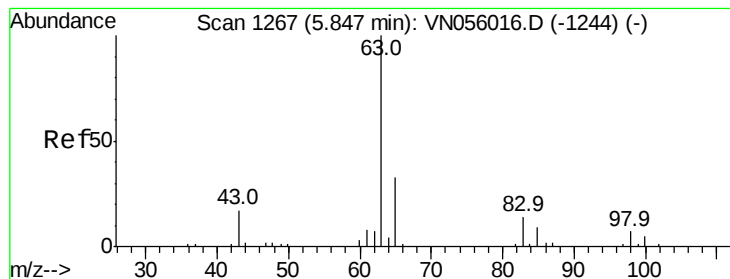
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 21.585 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

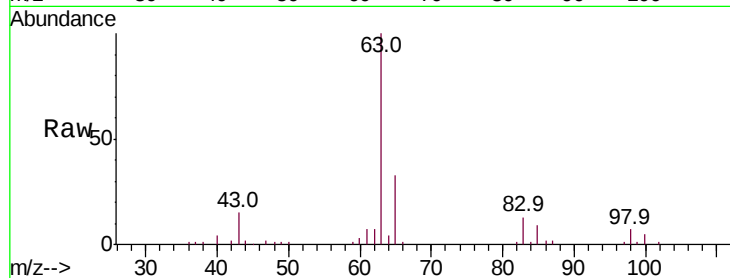
Tot Ion: 63 Resp: 129843

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

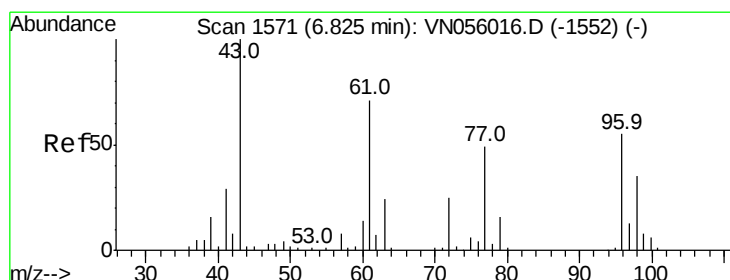
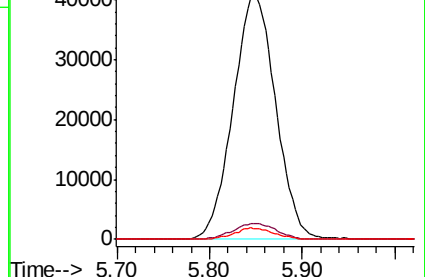
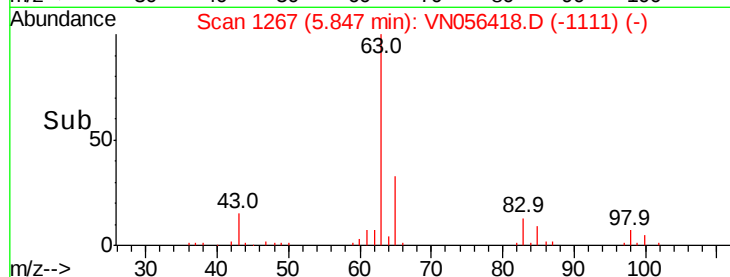
100 4.5 2.3 6.9



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: 20.397 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

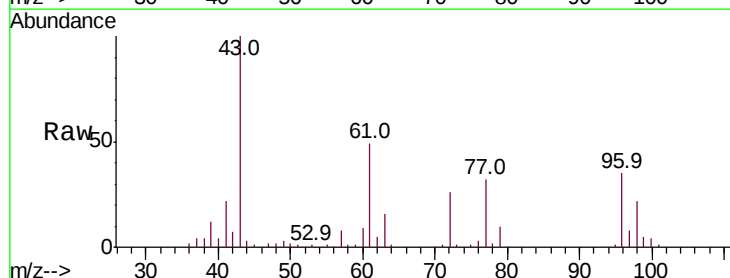
Tgt Ion: 96 Resp: 81941

Ion Ratio Lower Upper

96 100

61 138.4 105.7 158.5

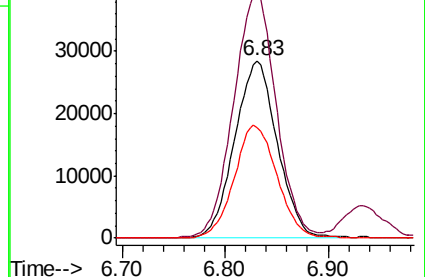
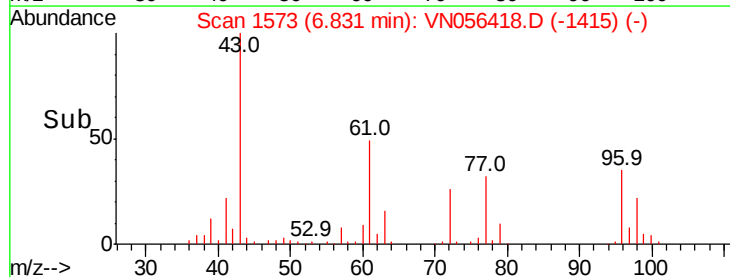
98 63.8 52.0 78.0

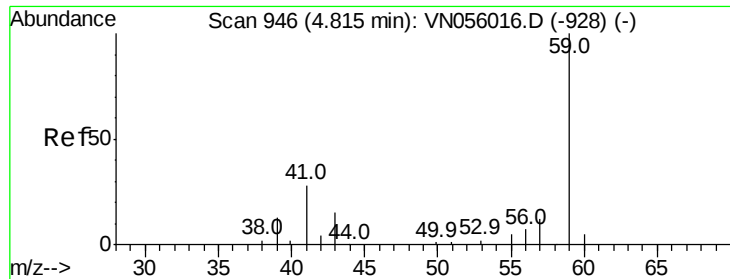


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



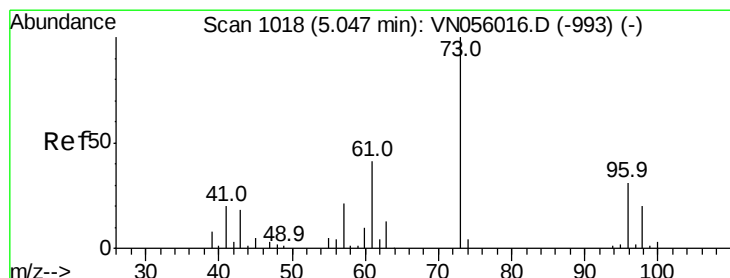
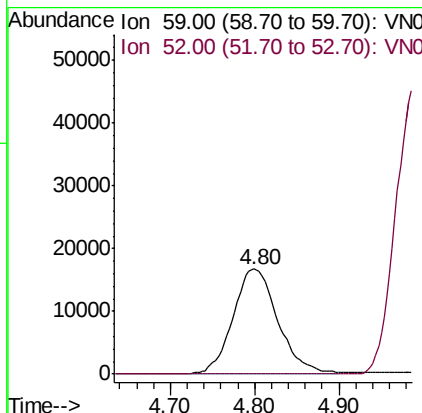
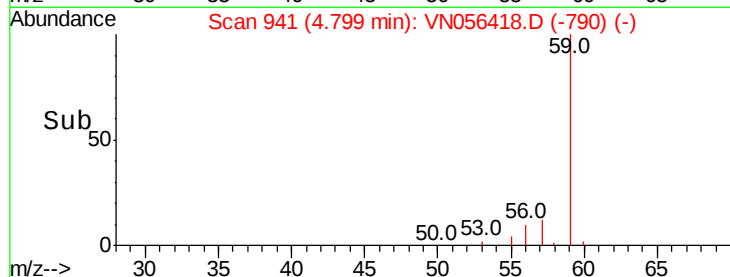
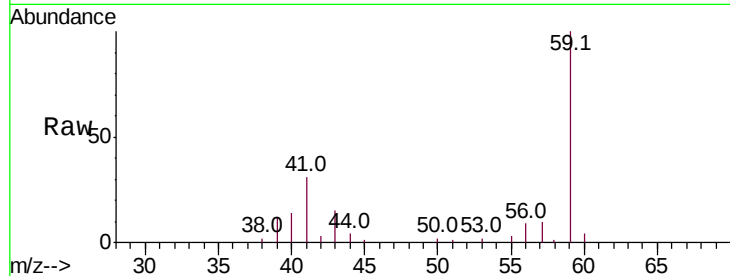


#23

tert-Butyl Alcohol
 Concen: 92.275 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621WBS01

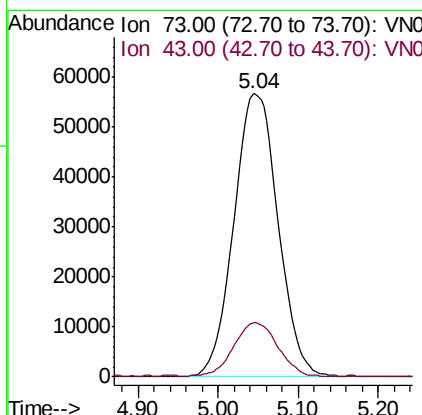
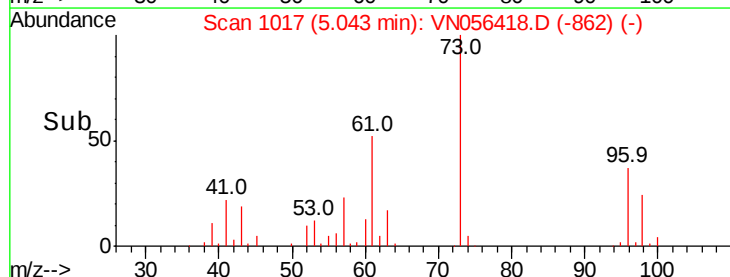
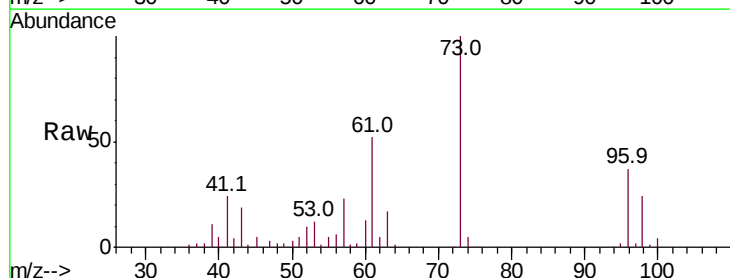
Tot Ion: 59 Resp: 62062
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

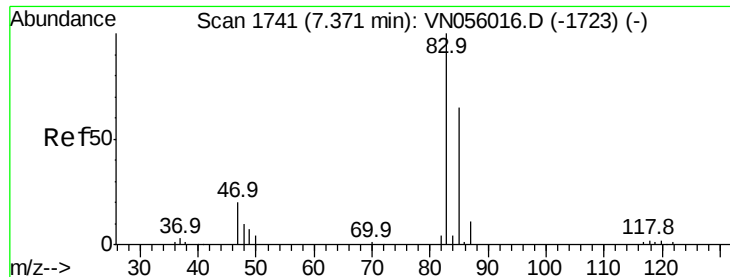


#24

Methyl tert-Butyl Ether
 Concen: 20.762 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion: 73 Resp: 213352
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.4 23.0

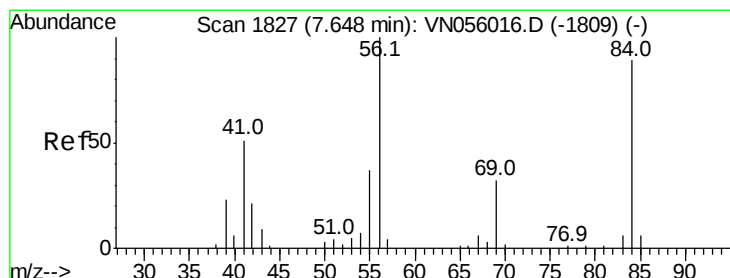
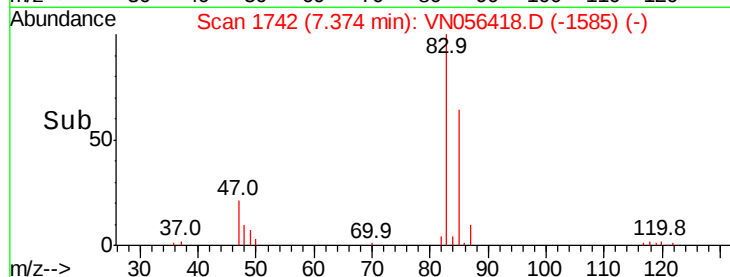
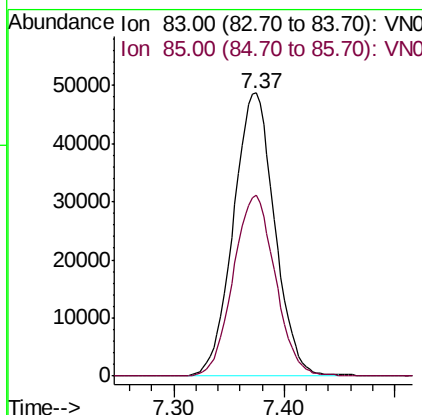
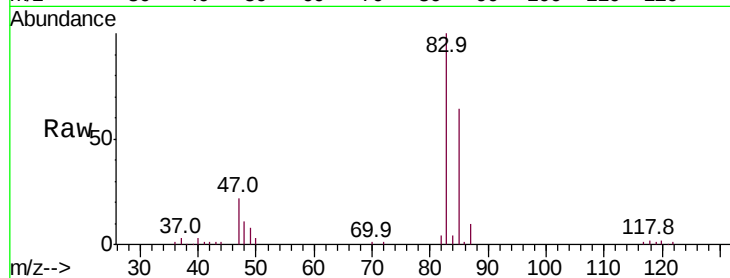




#25
Chloroform
Concen: 20.994 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

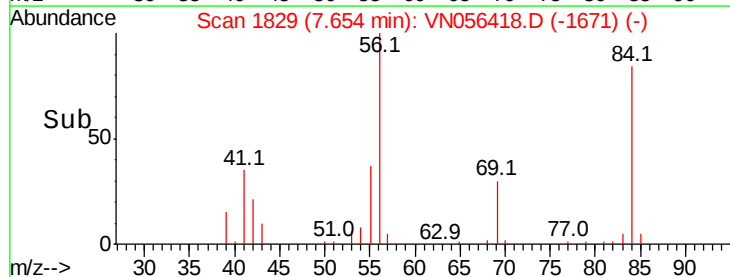
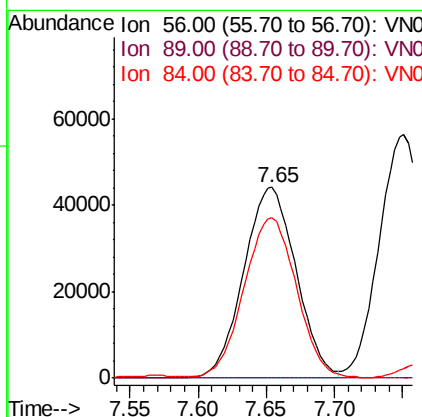
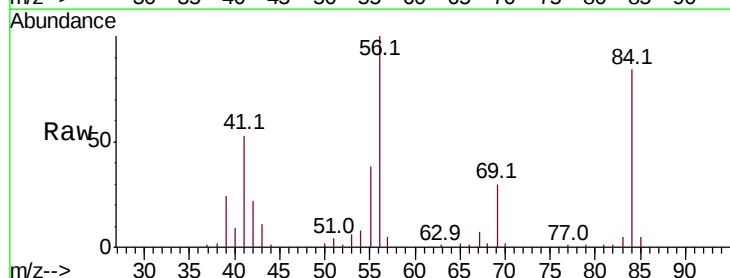
Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

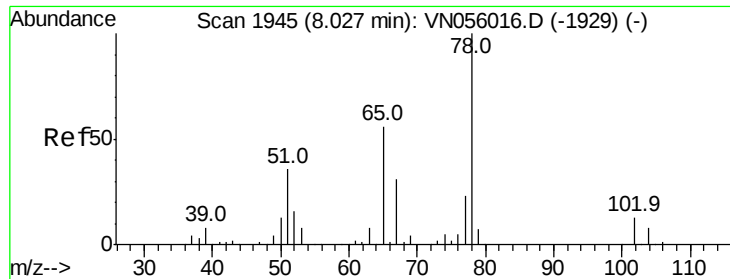
Tot Ion: 83 Resp: 126107
Ion Ratio Lower Upper
83 100
85 63.8 52.0 78.0



#26
Cyclohexane
Concen: 21.138 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 56 Resp: 117967
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.4 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 32.264 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

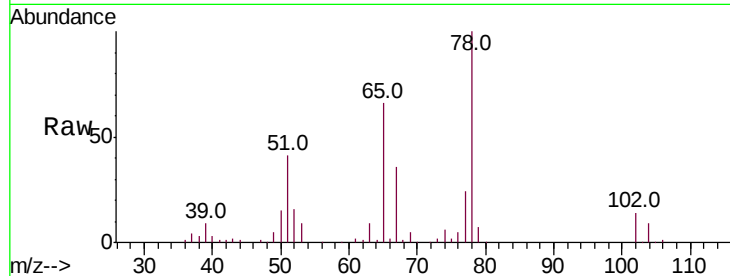
VN0621WBS01

Tot Ion: 65 Resp: 123761

Ion Ratio Lower Upper

65 100

67 55.1 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

60000

50000

40000

30000

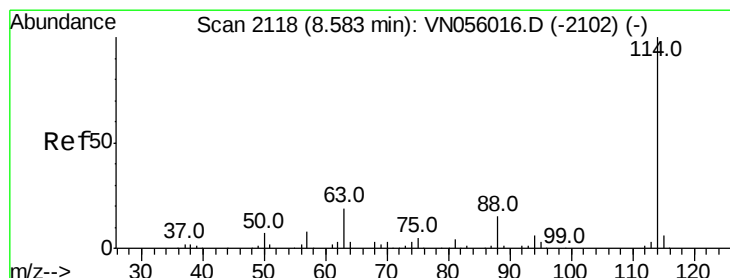
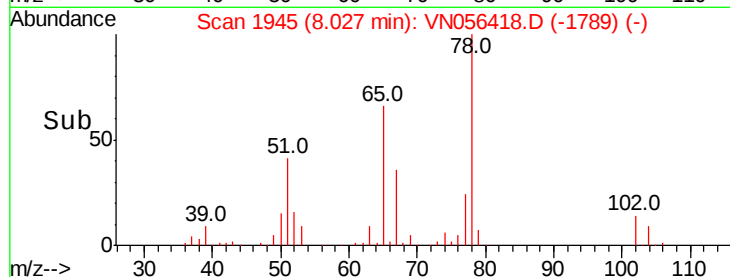
20000

10000

0

Time-->

7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

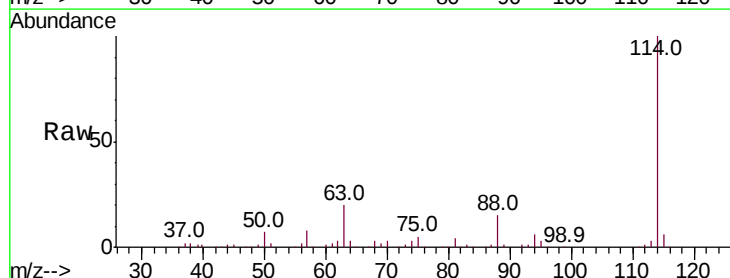
Tgt Ion:114 Resp: 332487

Ion Ratio Lower Upper

114 100

63 19.7 14.7 22.1

88 15.6 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

200000

150000

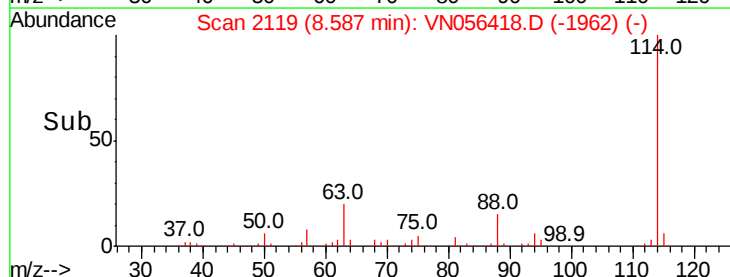
100000

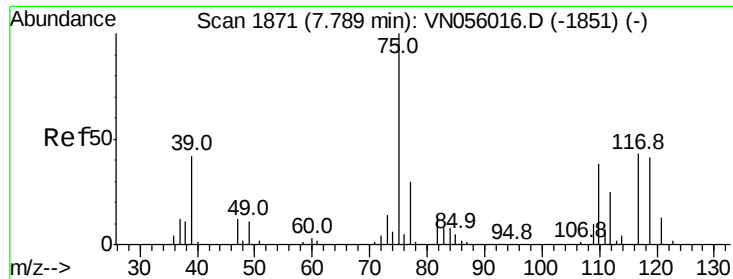
50000

0

Time-->

8.50 8.55 8.60 8.65 8.70

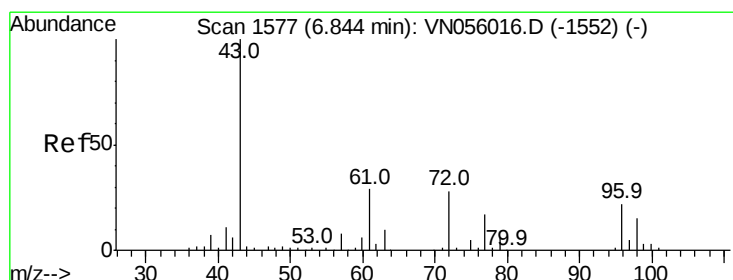
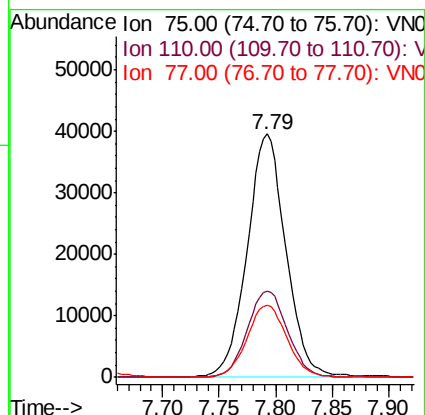
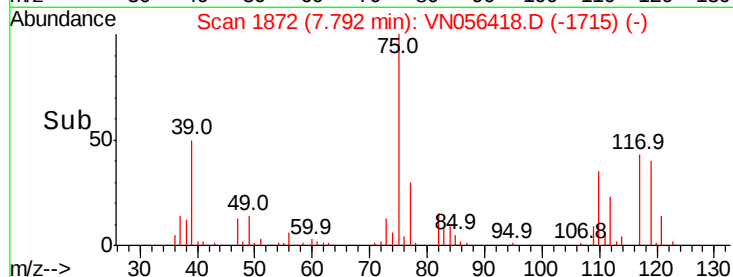
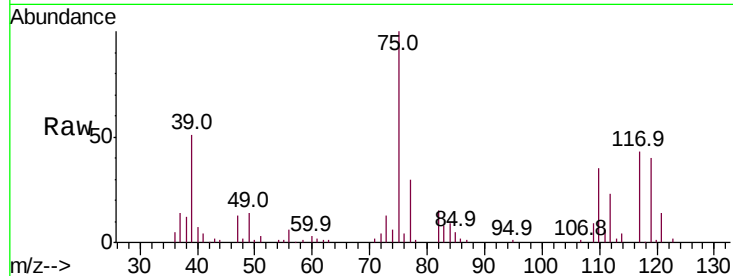




#29
 1,1-Dichloropropene
 Concen: 20.921 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

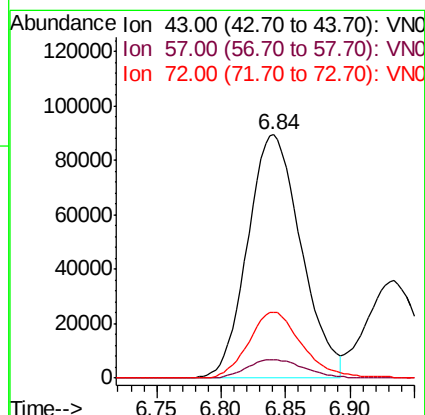
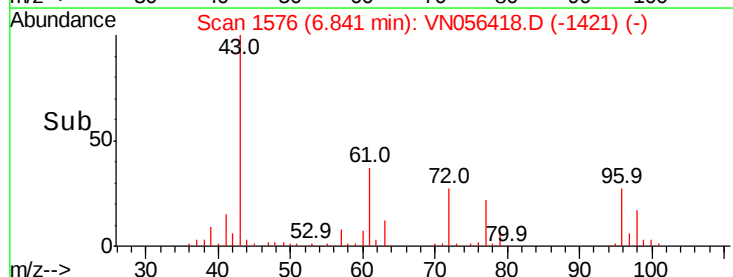
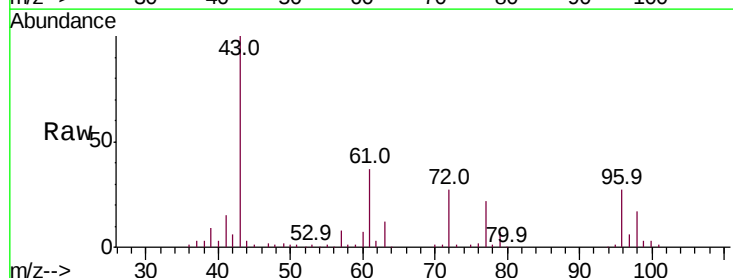
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

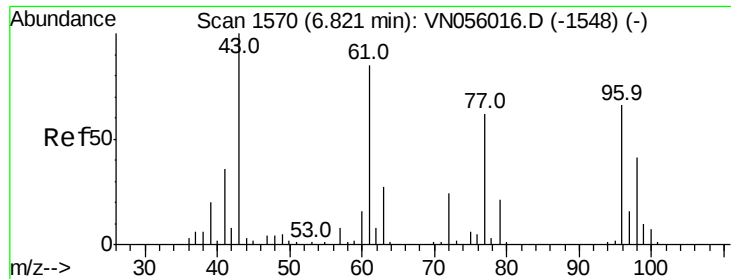
Tot Ion: 75 Resp: 94091
 Ion Ratio Lower Upper
 75 100
 110 36.7 0.0 77.0
 77 30.7 0.0 62.4



#30
 2-Butanone
 Concen: 108.202 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion: 43 Resp: 256187
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 27.6 22.4 33.6





#31

2,2-Dichloropropane

Concen: 20.348 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

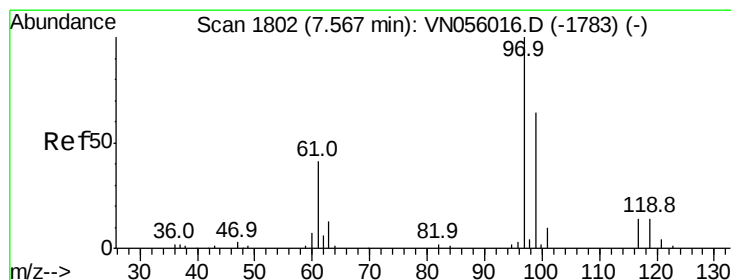
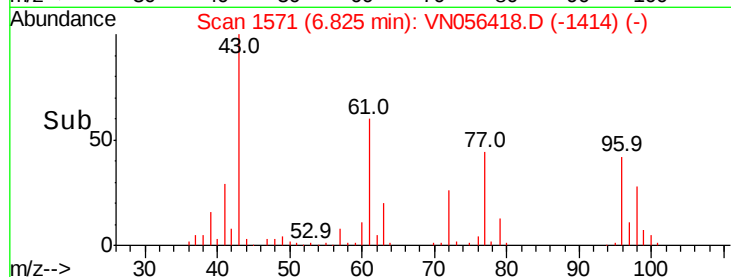
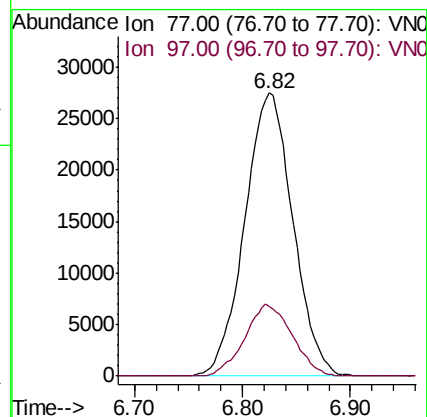
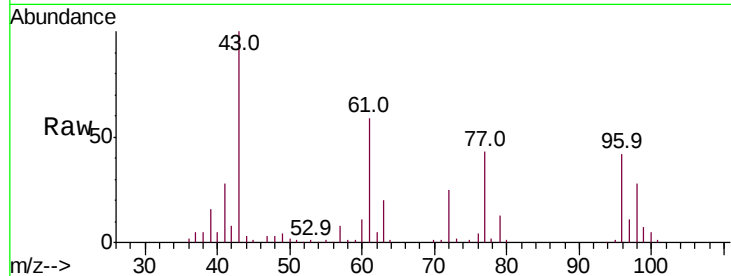
VN0621WBS01

Tot Ion: 77 Resp: 85134

Ion Ratio Lower Upper

77 100

97 25.0 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 20.605 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

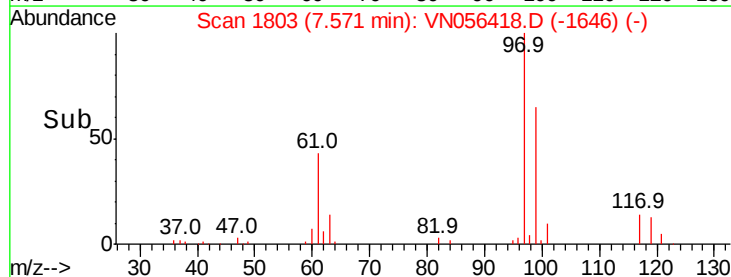
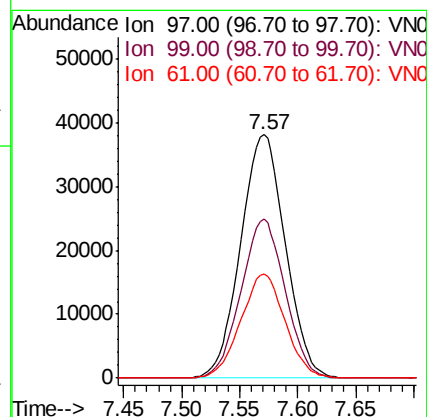
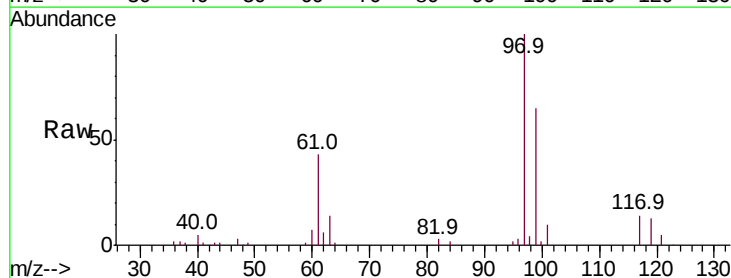
Tgt Ion: 97 Resp: 102384

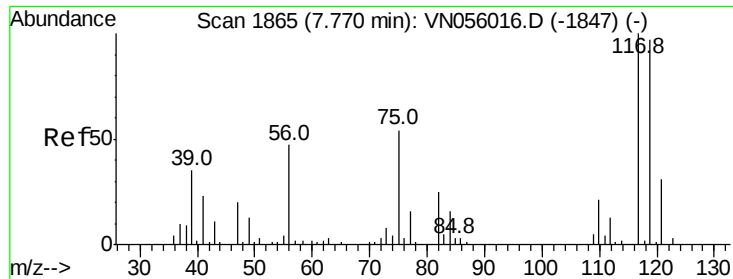
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 42.3 32.9 49.3

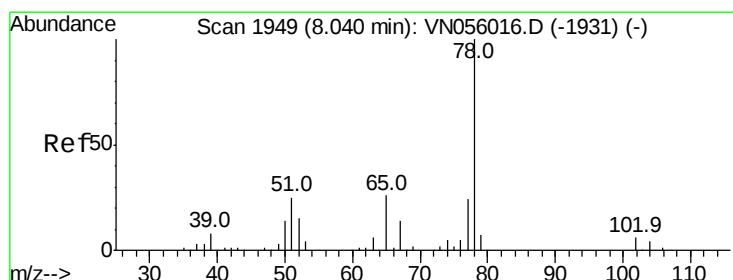
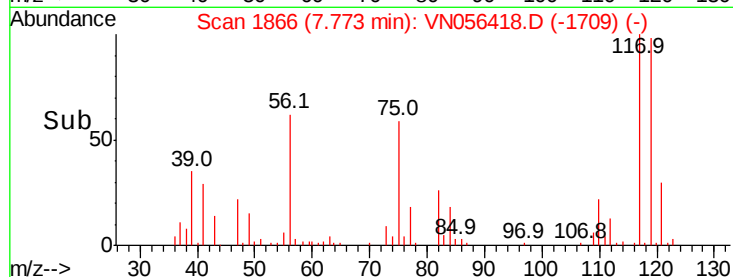
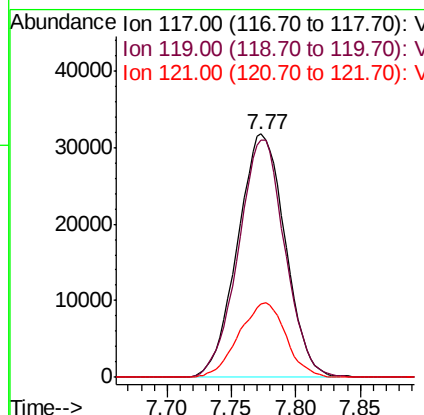
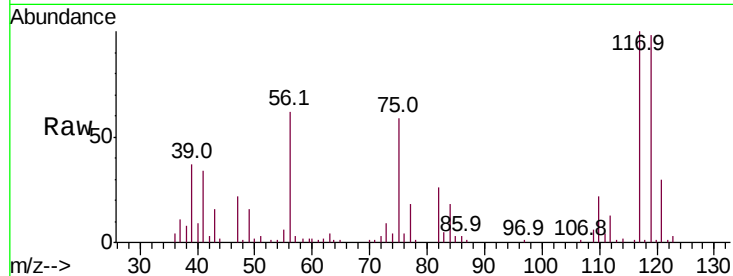




#33
Carbon Tetrachloride
Concen: 19.399 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

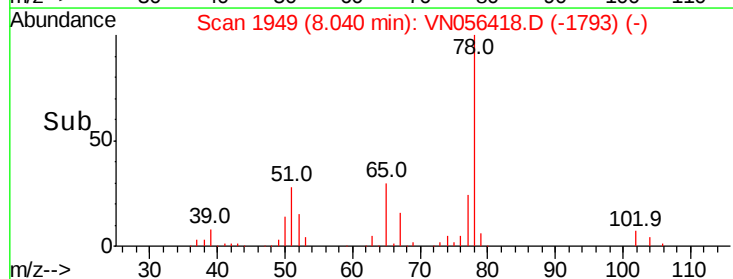
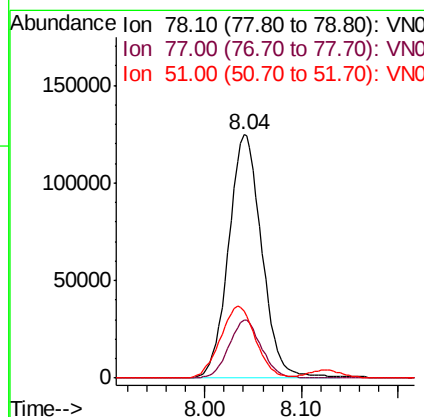
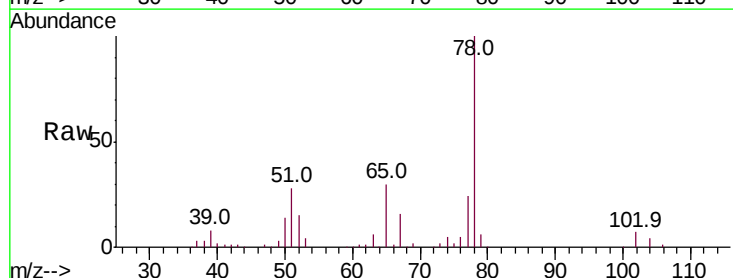
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

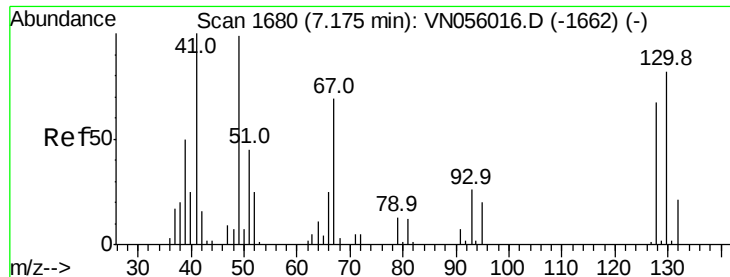
Tot Ion:117 Resp: 81667
Ion Ratio Lower Upper
117 100
119 97.6 77.3 115.9
121 29.9 25.0 37.4



#34
Benzene
Concen: 20.750 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 78 Resp: 297351
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 27.3 19.8 29.8

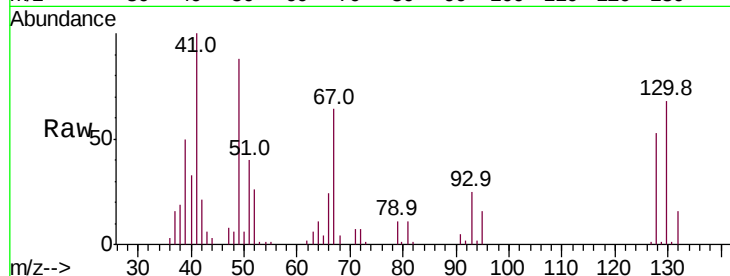




#35
Methacrylonitrile
Concen: 23.542 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

Tot Ion:	41	Resp:	47068
Ion	Ratio	Lower	Upper
41	100		
39	50.0	24.8	74.3
67	64.4	34.3	102.9
52	25.9	12.6	37.8



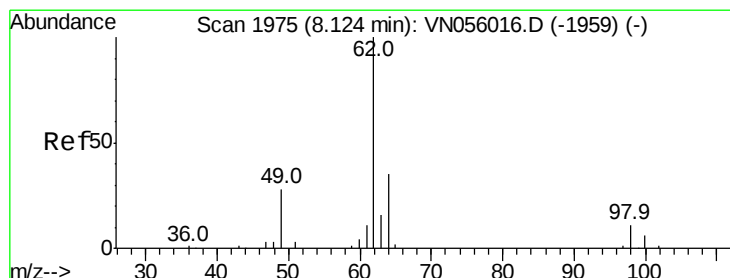
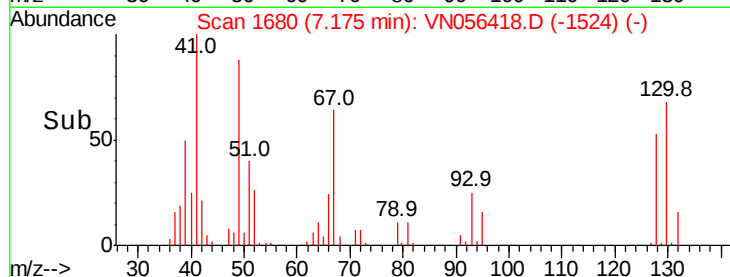
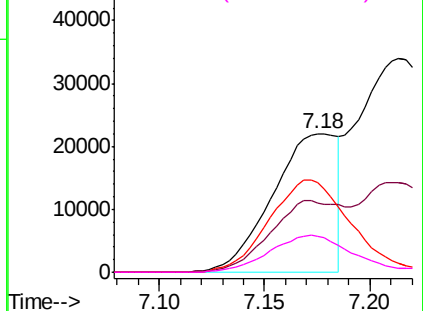
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

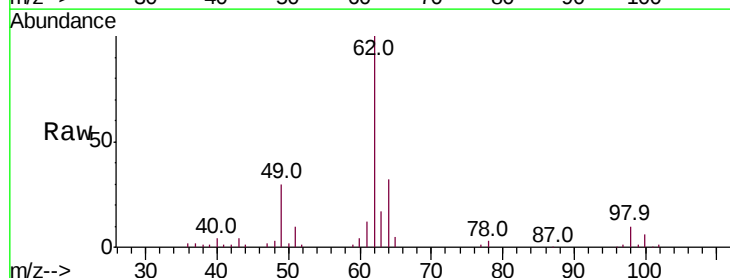
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 21.987 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

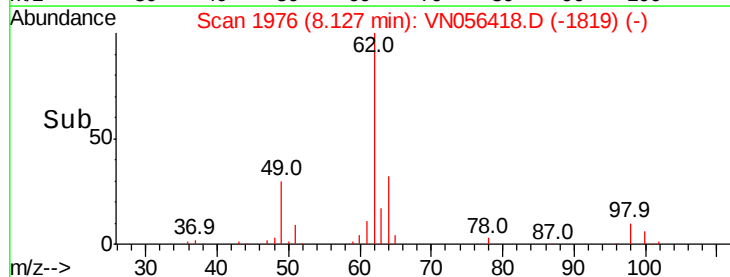
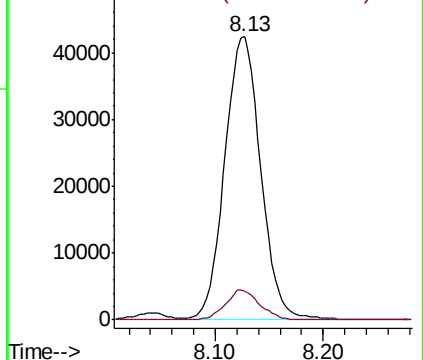
Tgt Ion:	62	Resp:	98688
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.6	13.0

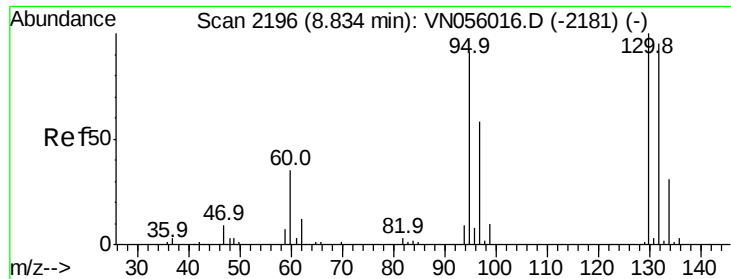


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

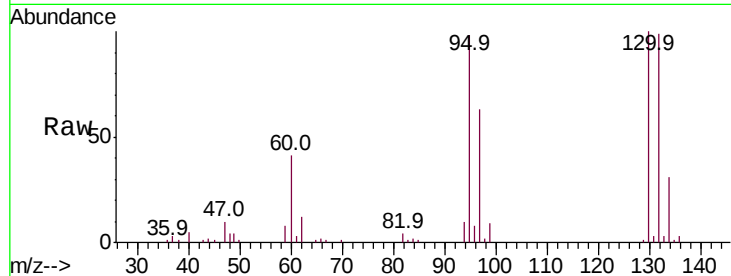




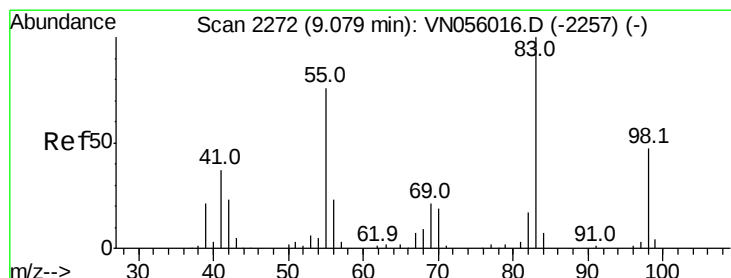
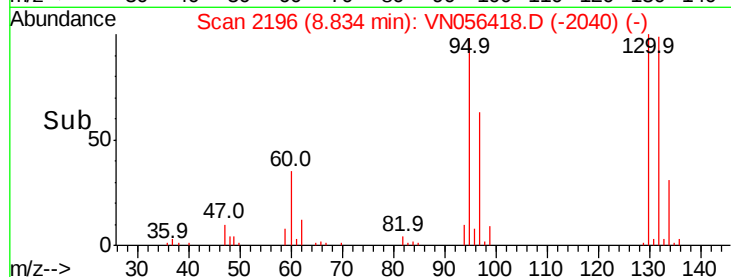
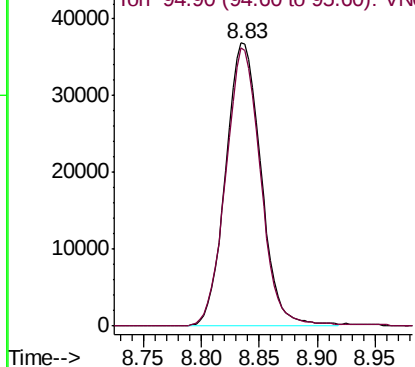
#37
 Trichloroethene
 Concen: 19.419 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion:130 Resp: 77868
 Ion Ratio Lower Upper
 130 100
 95 98.4 73.0 109.6

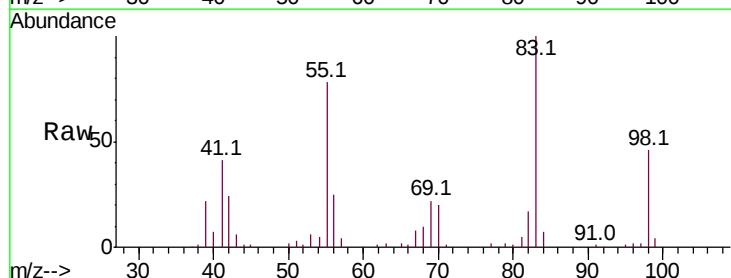


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

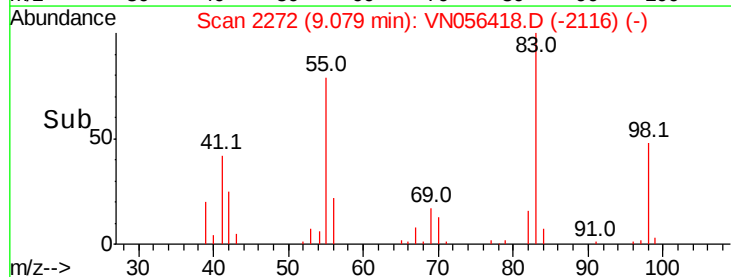
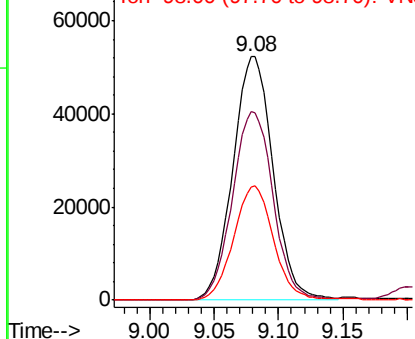


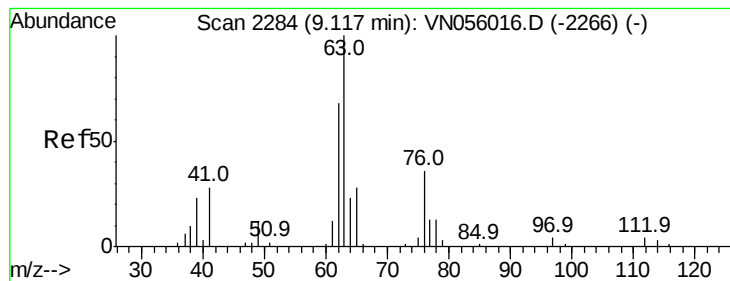
#38
 Methylcyclohexane
 Concen: 19.937 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion: 83 Resp: 113676
 Ion Ratio Lower Upper
 83 100
 55 78.0 37.5 112.7
 98 46.2 23.1 69.3



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





#39

1,2-Dichloropropane

Concen: 21.242 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

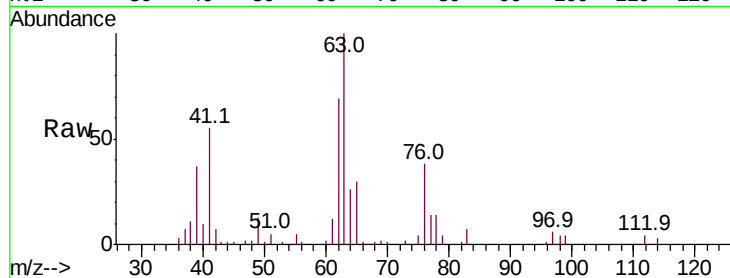
VN0621WBS01

Tot Ion: 63 Resp: 77961

Ion Ratio Lower Upper

63 100

65 30.2 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

40000

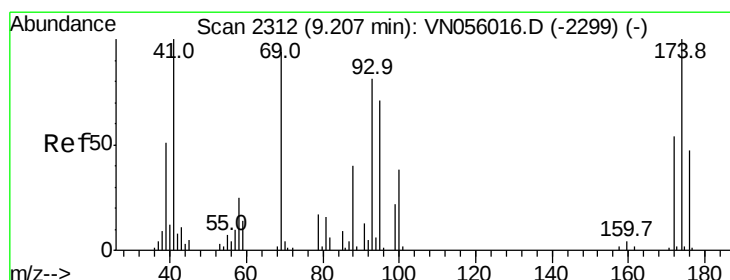
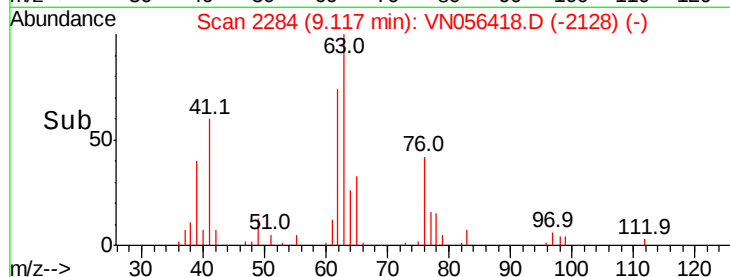
30000

20000

10000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 20.696 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

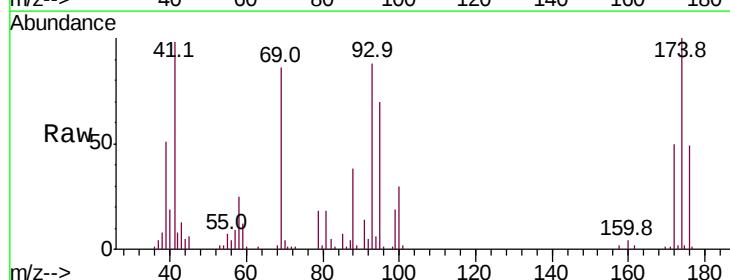
Tgt Ion: 93 Resp: 50363

Ion Ratio Lower Upper

93 100

95 83.8 0.0 169.0

174 115.2 0.0 246.4



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

40000

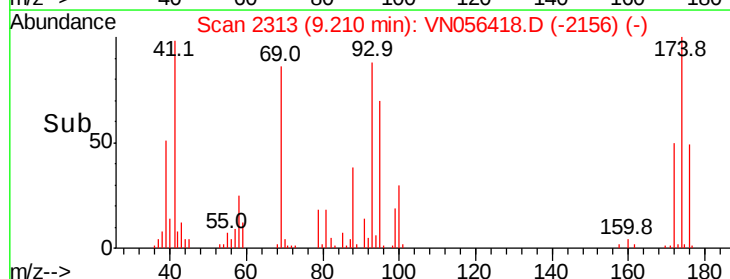
30000

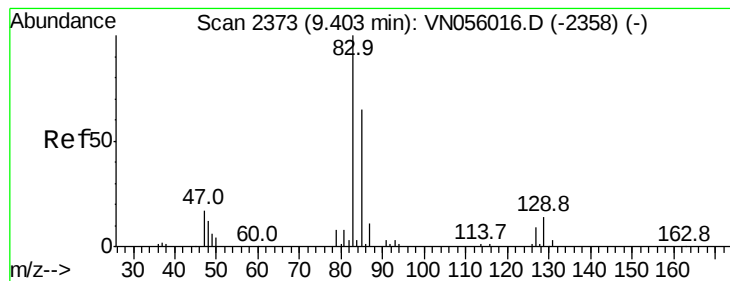
20000

10000

0

Time--> 9.15 9.20 9.25 9.30





#41

Bromodichloromethane

Concen: 20.521 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

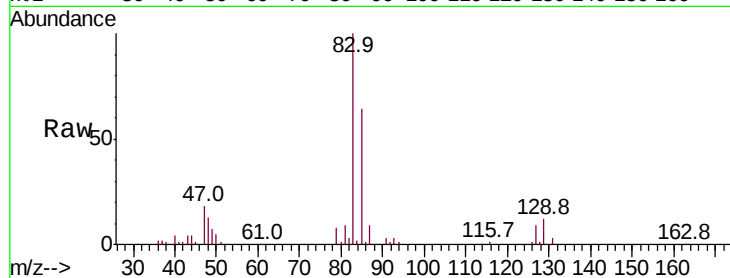
Tot Ion: 83 Resp: 89419

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6

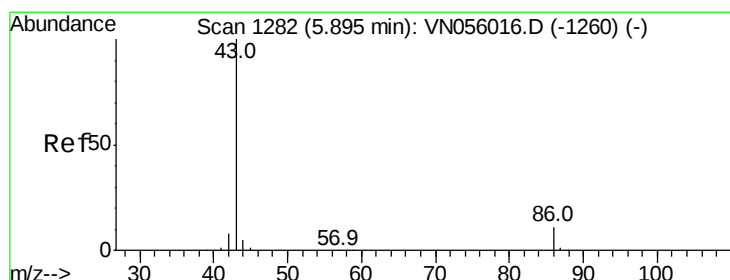
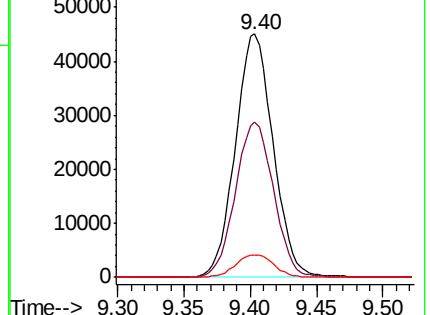
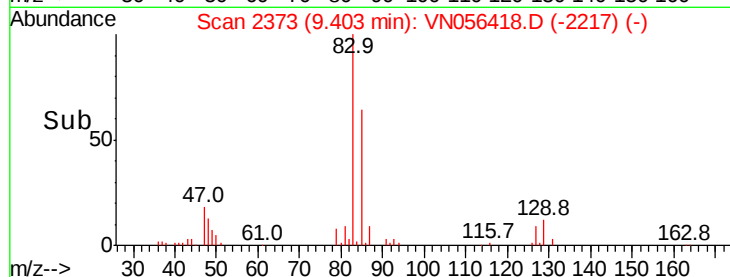
127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 107.470 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056418.D

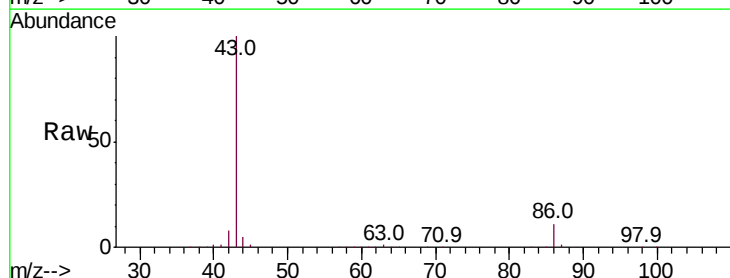
Acq: 21 Jun 2019 12:08

Tgt Ion: 43 Resp: 907166

Ion Ratio Lower Upper

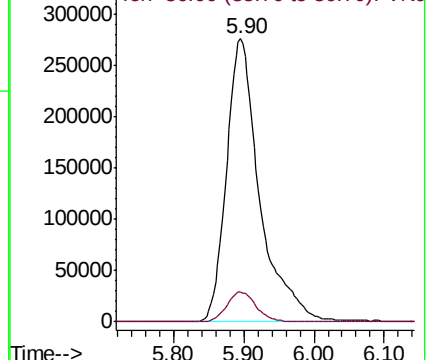
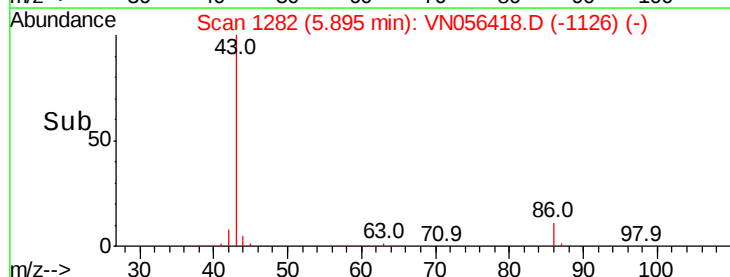
43 100

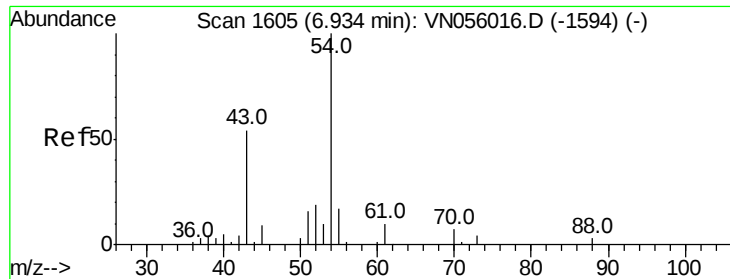
86 9.3 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.472 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

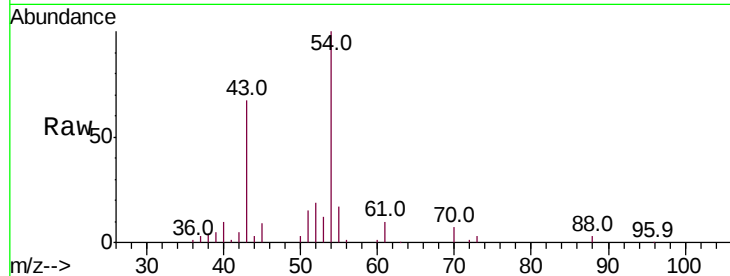
VN0621WBS01

Tot Ion: 43 Resp: 97297

Ion Ratio Lower Upper

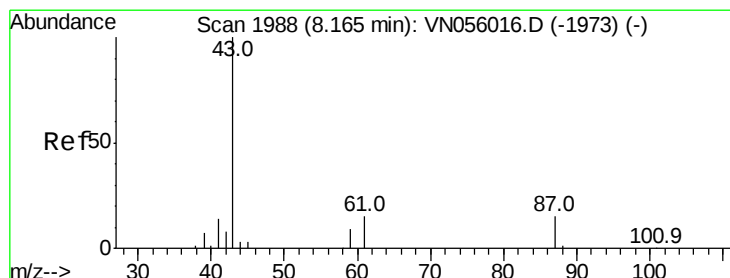
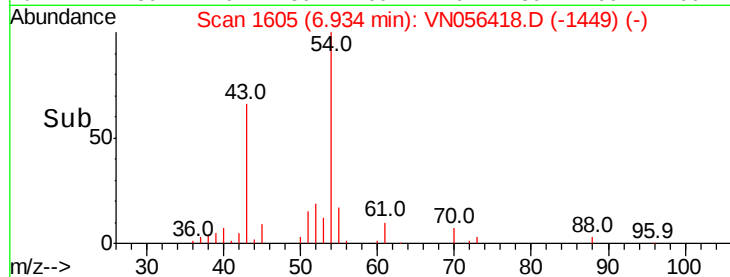
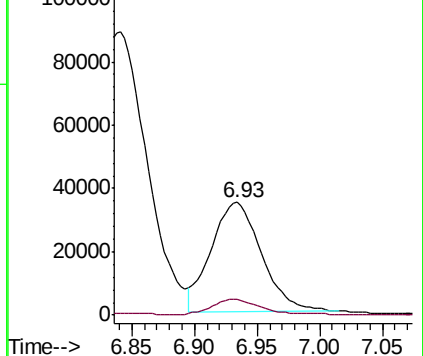
43 100

45 12.6 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.582 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056418.D

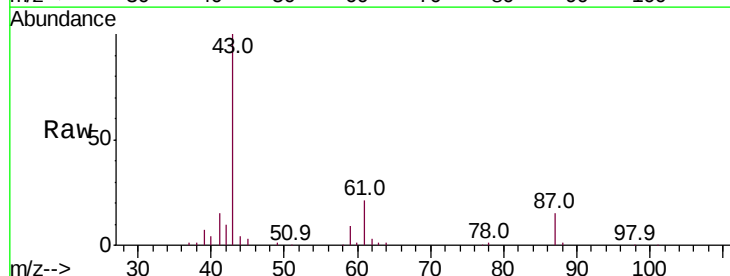
Acq: 21 Jun 2019 12:08

Tgt Ion: 43 Resp: 144809

Ion Ratio Lower Upper

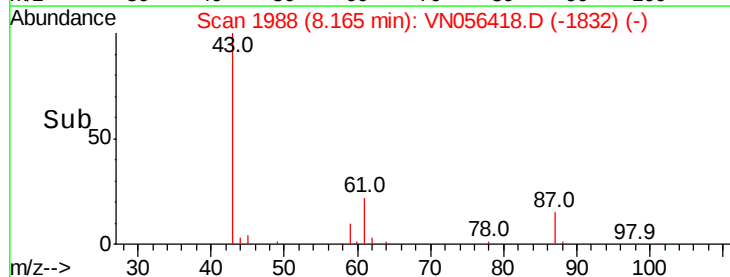
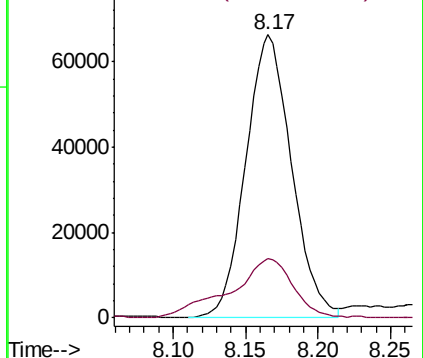
43 100

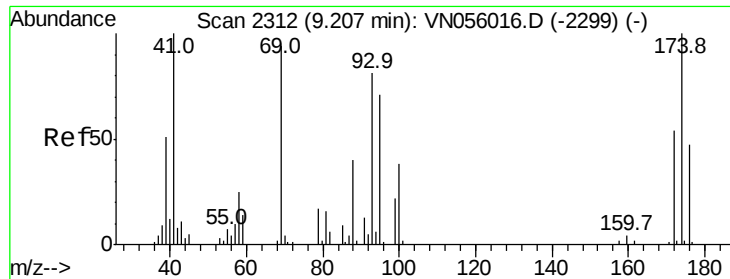
61 28.9 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 400.196 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

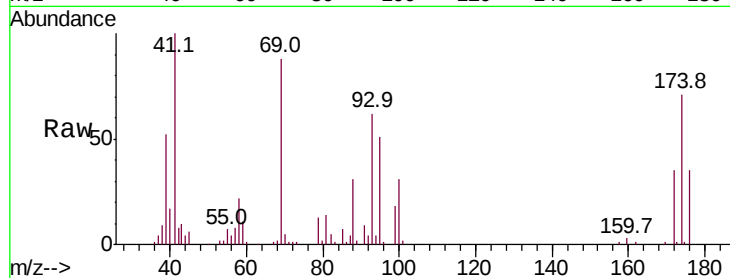
Tot Ion: 88 Resp: 30120

Ion Ratio Lower Upper

88 100

43 26.4 19.8 29.6

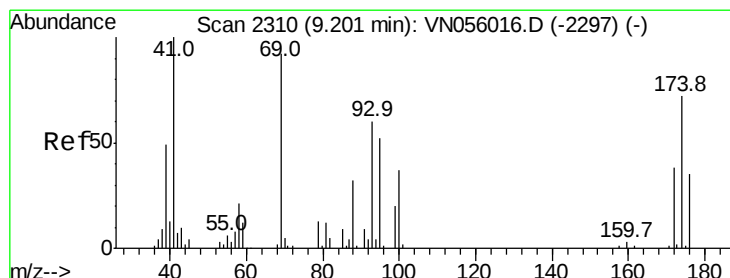
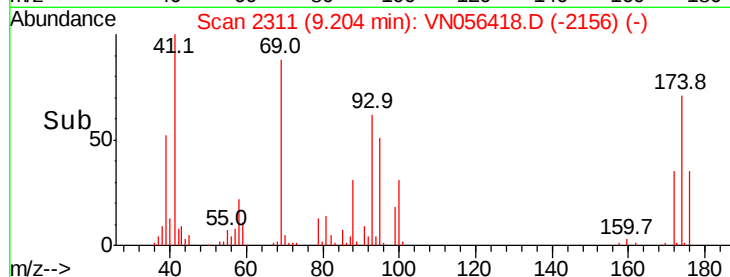
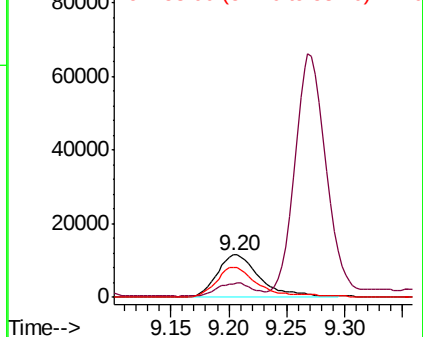
58 64.2 48.5 72.7



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: 20.599 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

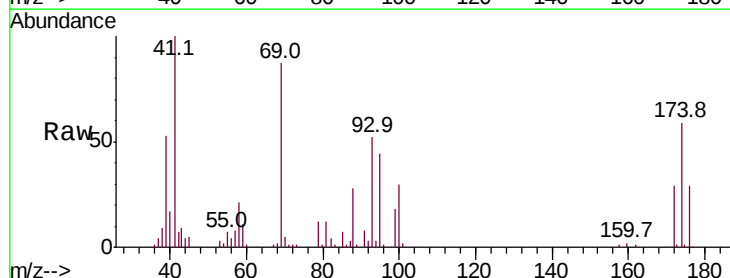
Tgt Ion: 41 Resp: 71996

Ion Ratio Lower Upper

41 100

69 87.8 46.0 137.8

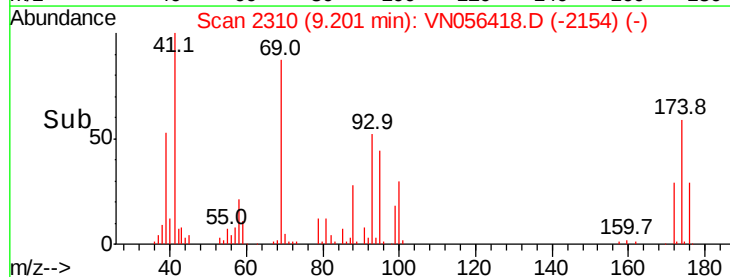
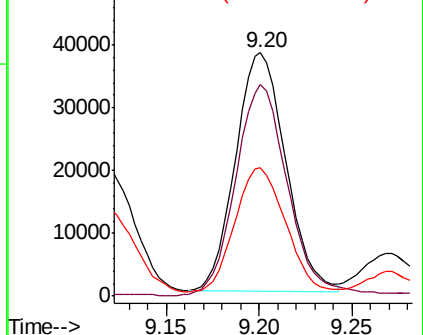
39 51.8 24.6 73.8

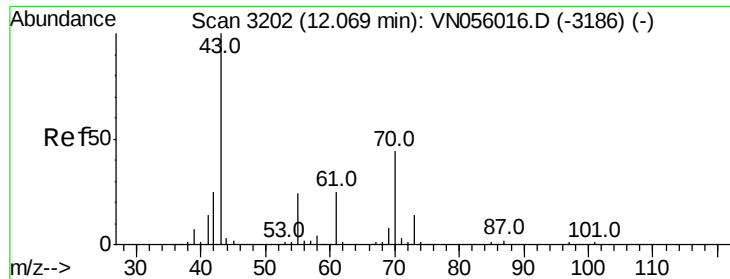


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

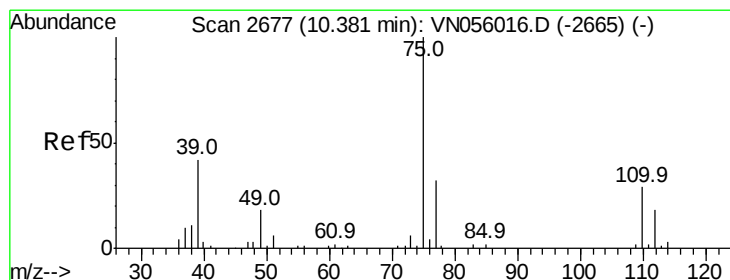
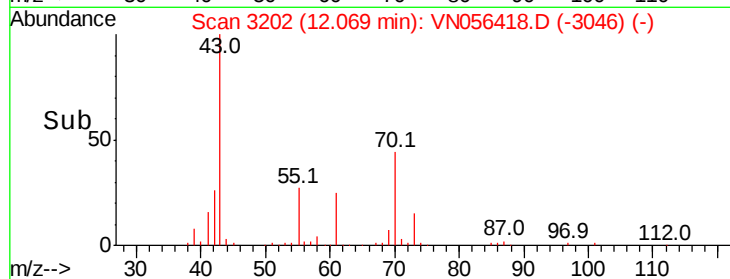
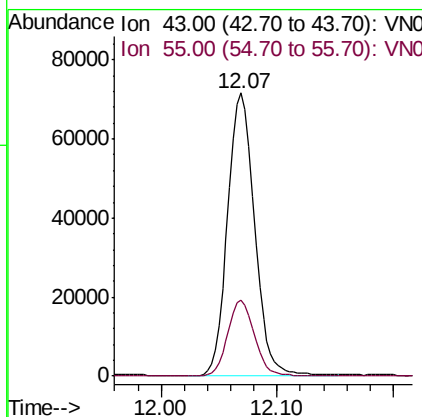
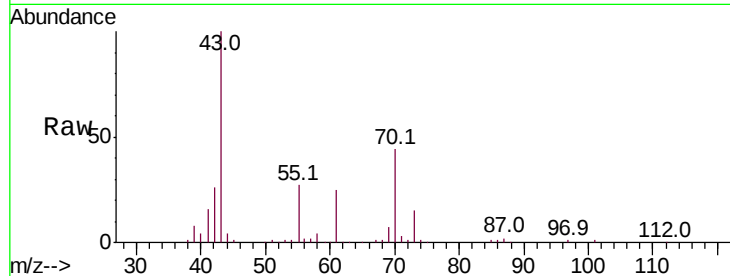




#47
 n-amvl Acetate
 Concen: 20.016 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

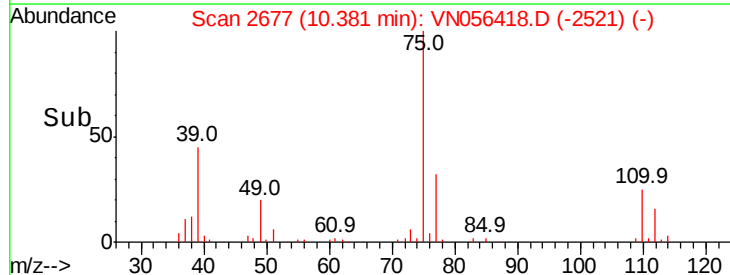
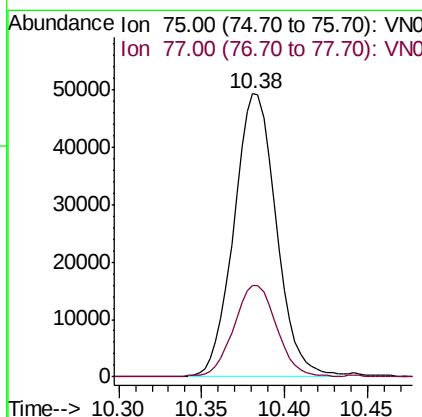
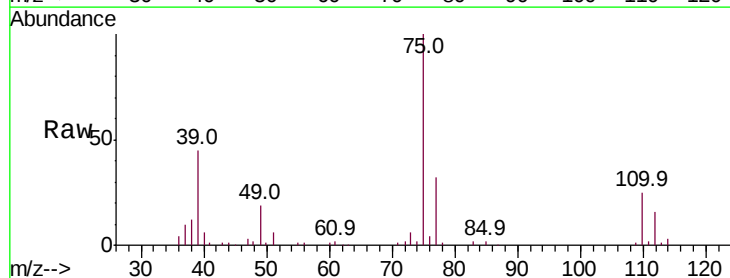
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

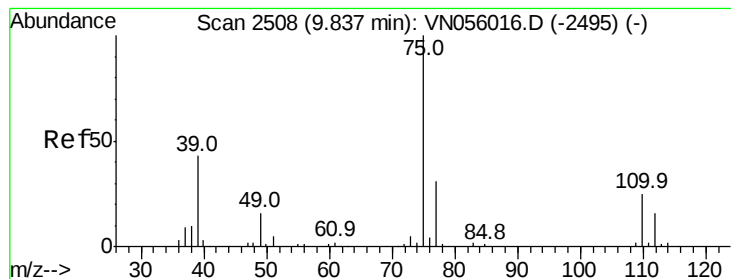
Tot Ion: 43 Resp: 116464
 Ion Ratio Lower Upper
 43 100
 55 26.4 19.0 28.6



#48
 t-1,3-Dichloropropene
 Concen: 19.194 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion: 75 Resp: 88019
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.0 39.0



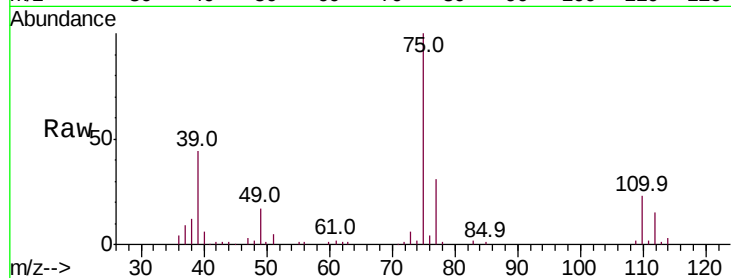


#49

cis-1,3-Dichloropropene
 Concen: 20.122 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	43.6	34.3	51.5

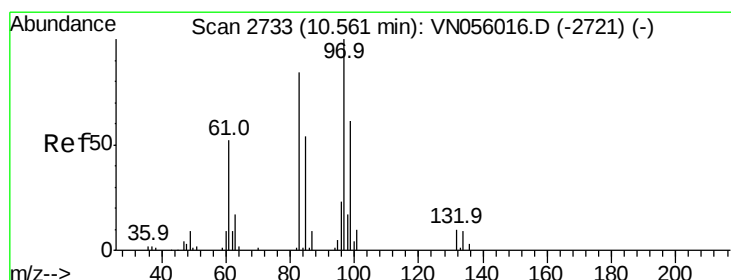
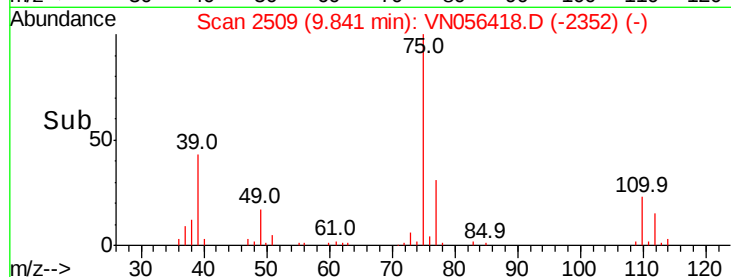
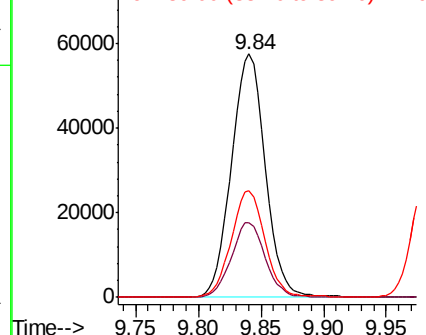


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 20.547 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.9	100.3
85	55.9	43.3	64.9
99	61.7	48.6	73.0

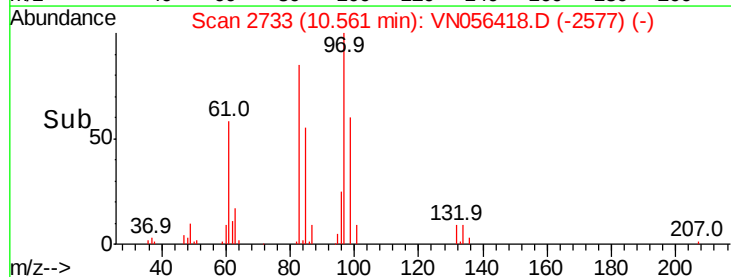
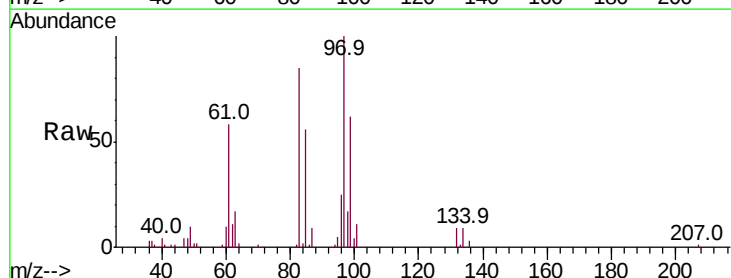
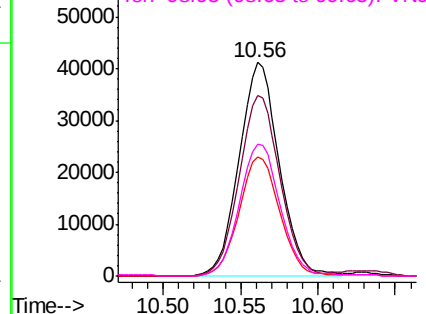
Abundance

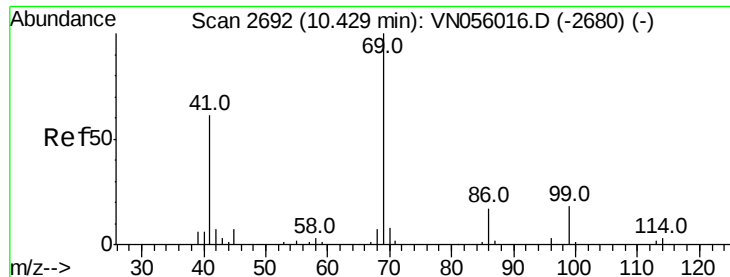
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.394 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

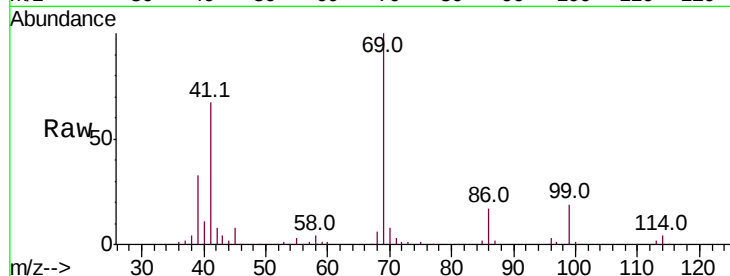
Tot Ion: 69 Resp: 106046

Ion Ratio Lower Upper

69 100

41 66.5 30.8 92.3

39 31.8 14.5 43.6

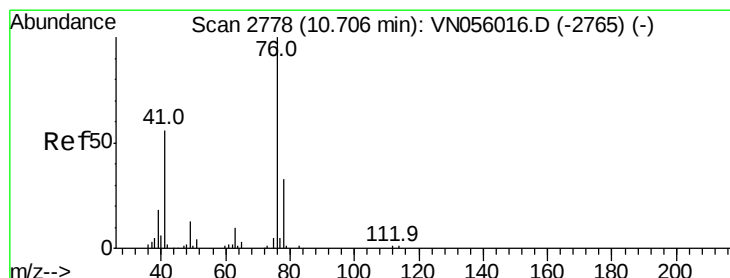
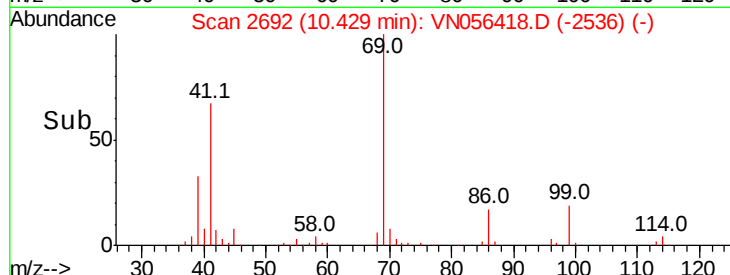
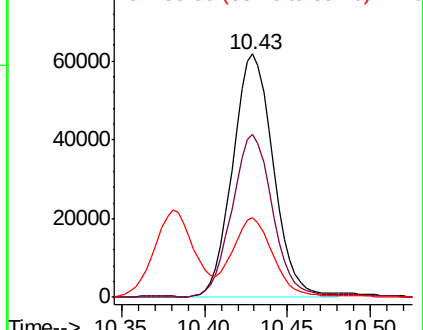


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.474 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056418.D

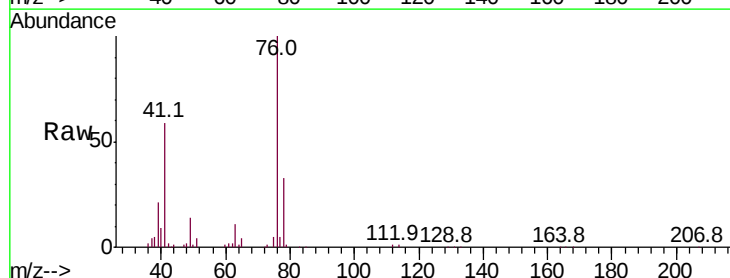
Acq: 21 Jun 2019 12:08

Tgt Ion: 76 Resp: 125831

Ion Ratio Lower Upper

76 100

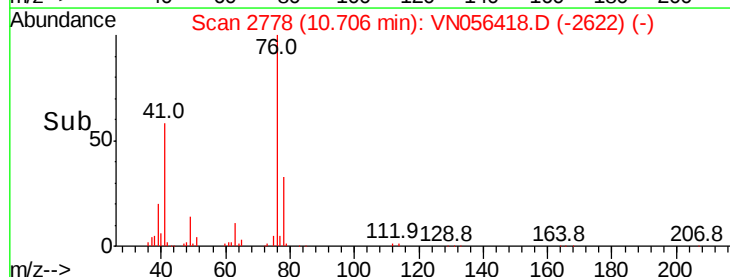
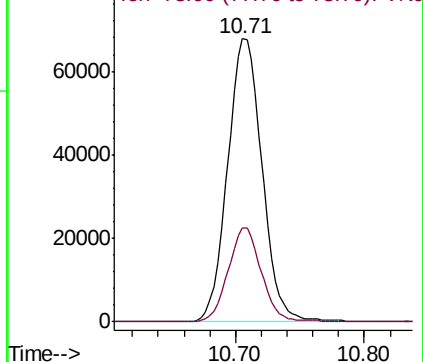
78 32.1 0.0 63.4

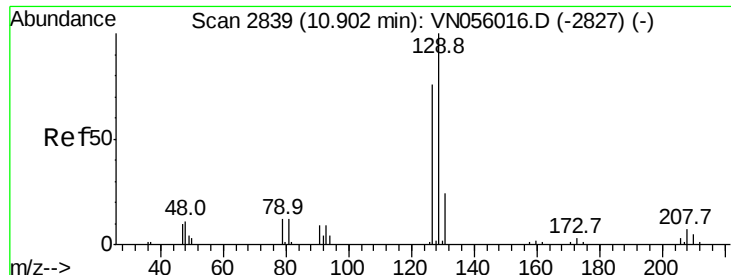


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.919 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

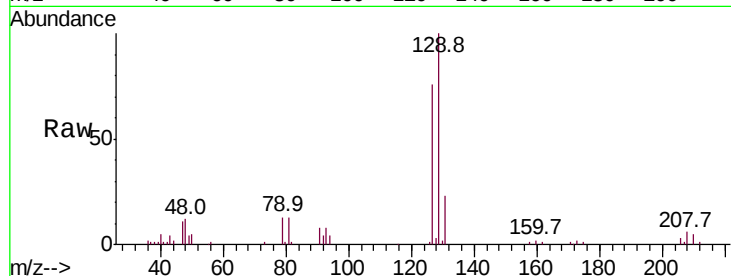
VN0621WBS01

Tot Ion:129 Resp: 66936

Ion Ratio Lower Upper

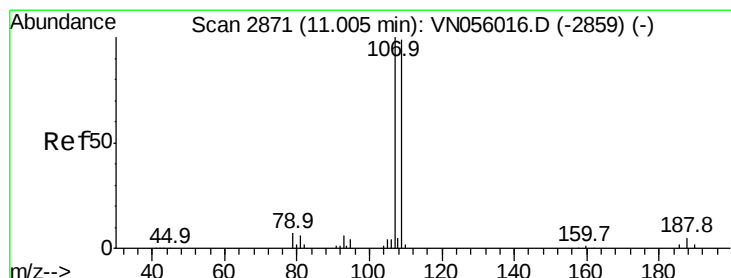
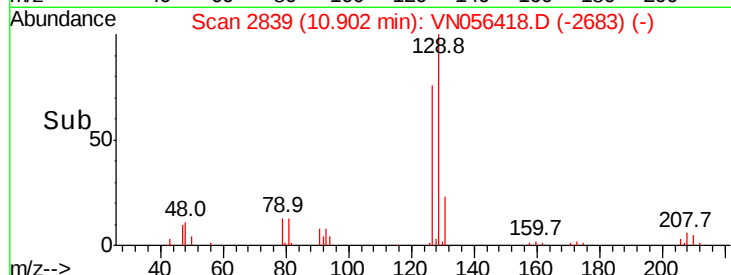
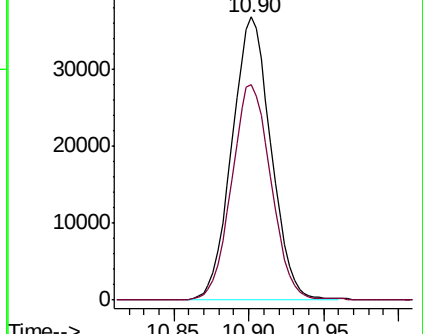
129 100

127 77.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.182 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056418.D

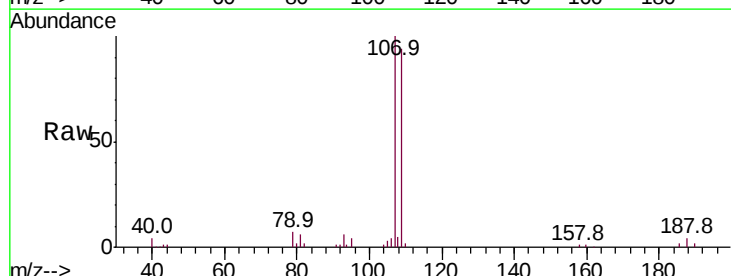
Acq: 21 Jun 2019 12:08

Tgt Ion:107 Resp: 76117

Ion Ratio Lower Upper

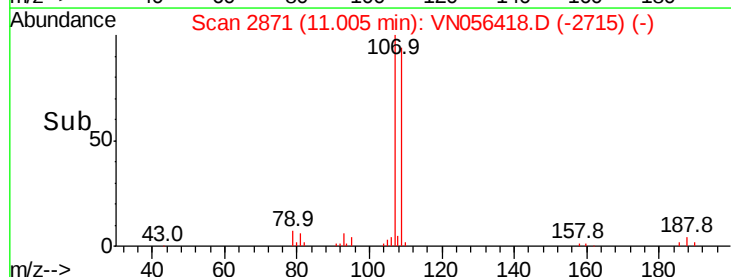
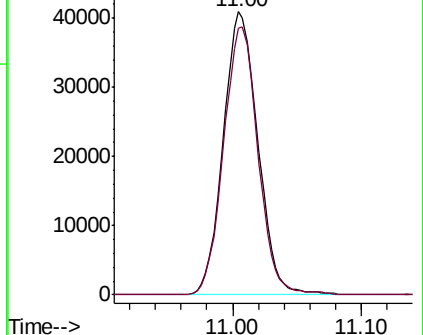
107 100

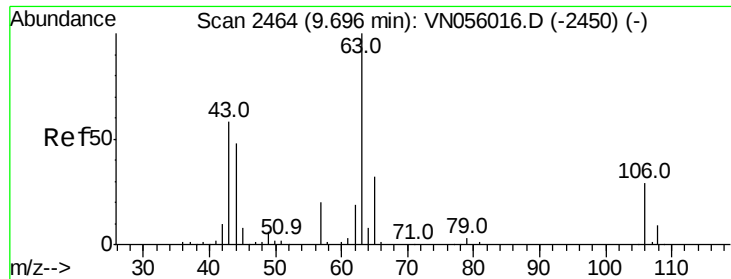
109 94.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

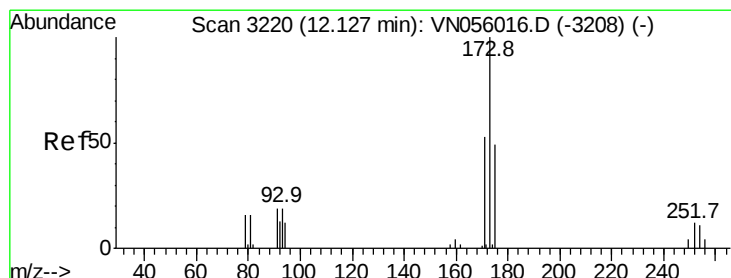
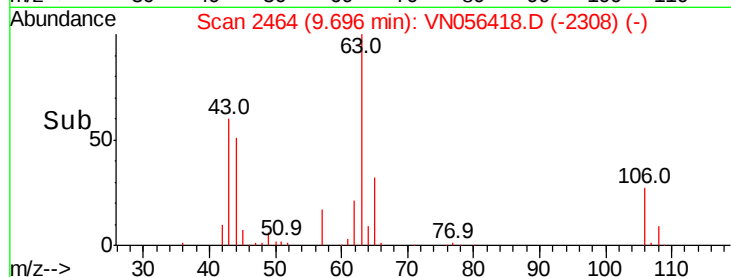
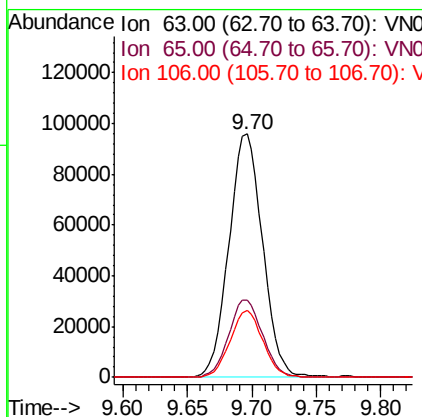
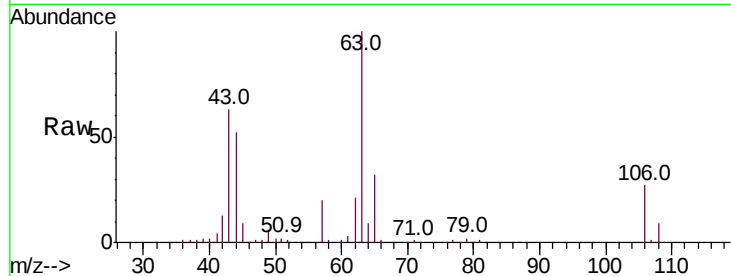




#55
 2-Chloroethyl vinyl ether
 Concen: 90.910 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

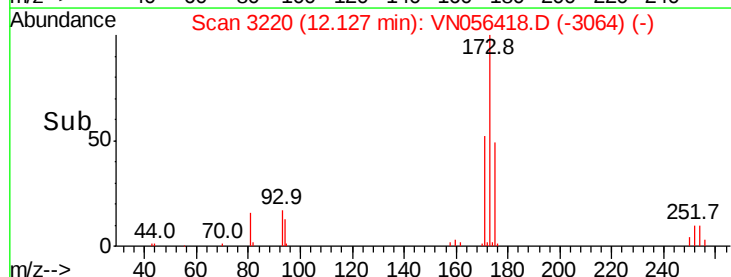
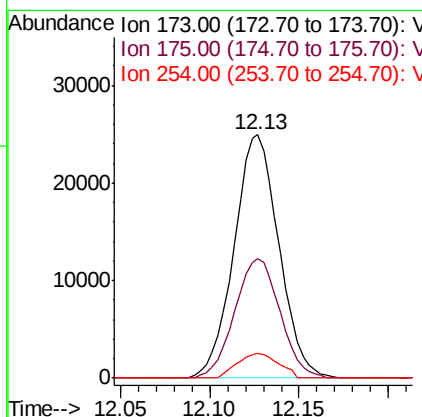
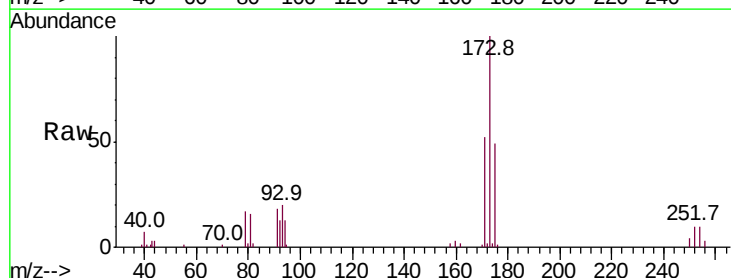
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

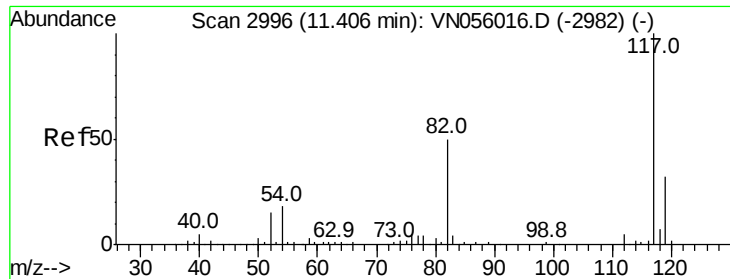
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3
106	26.7	23.0	34.4



#56
 Bromoform
 Concen: 17.112 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.7	58.1
254	9.3	6.6	9.8

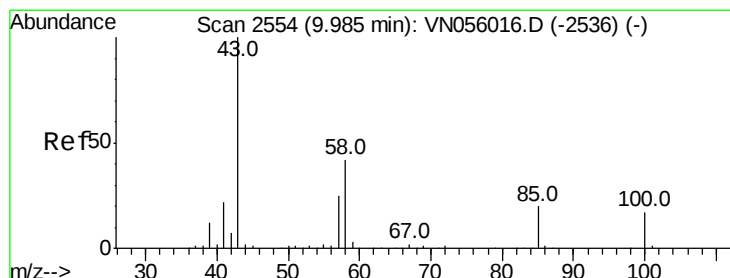
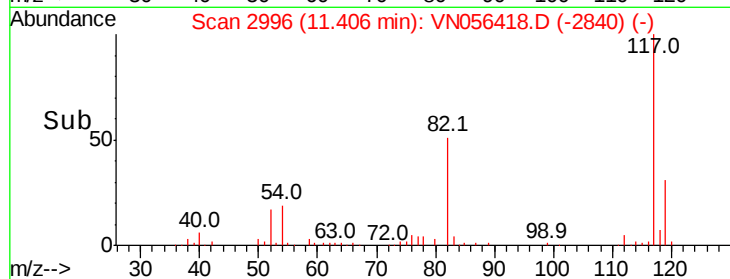
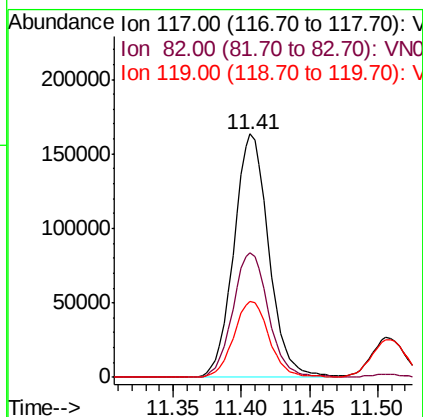
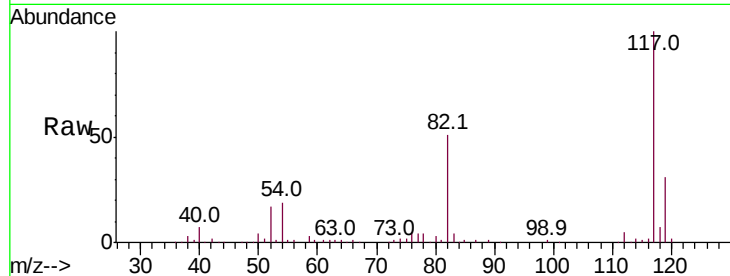




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

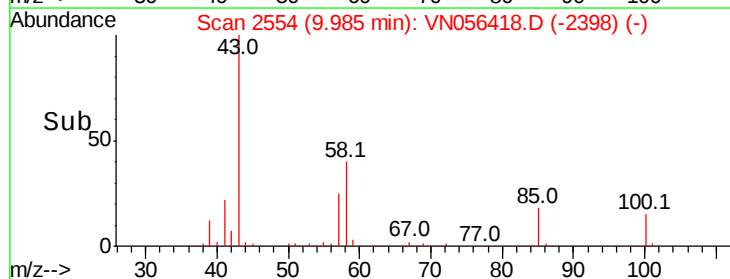
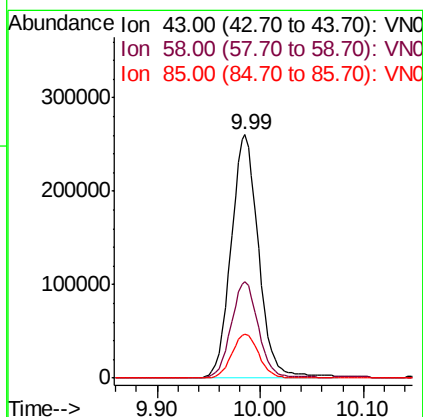
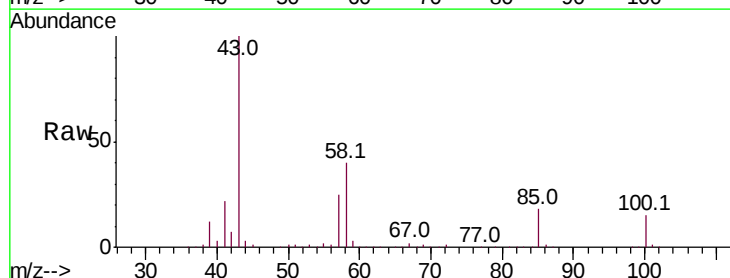
Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

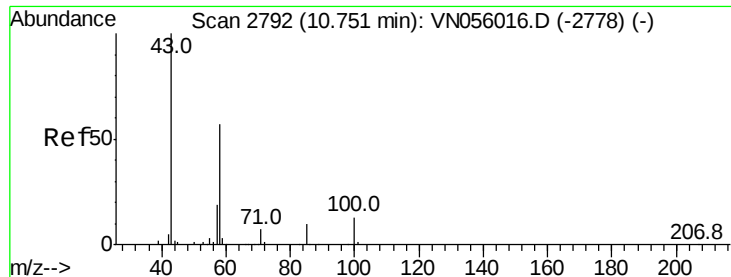
Tot Ion:117 Resp: 290859
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 31.5 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 109.728 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 43 Resp: 483280
Ion Ratio Lower Upper
43 100
58 39.6 33.1 49.7
85 17.9 15.5 23.3

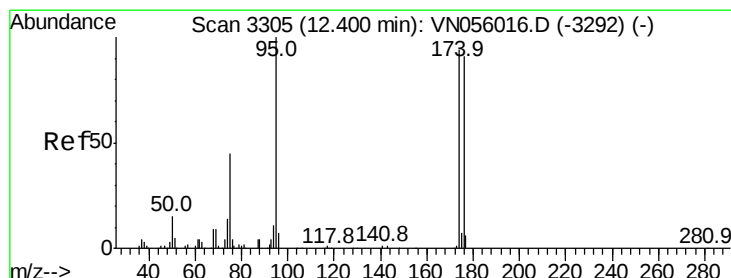
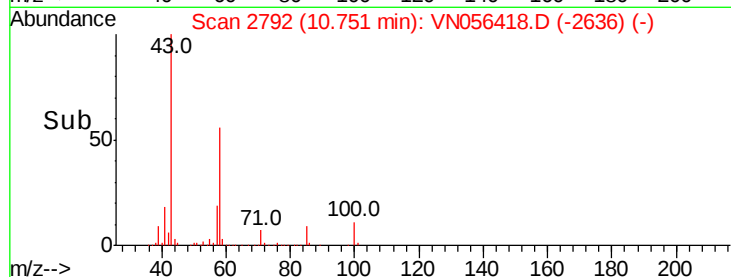
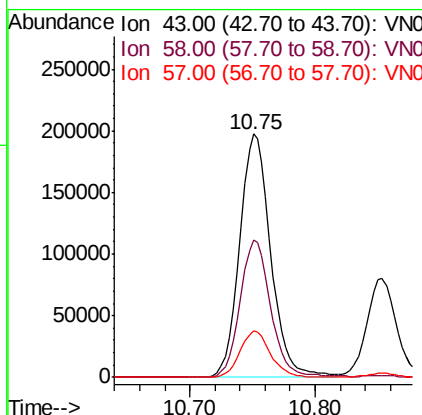
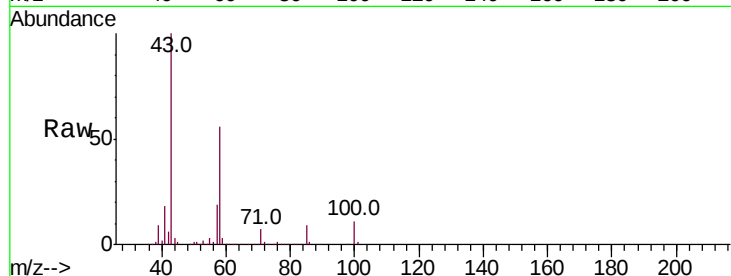




#59
2-Hexanone
Concen: 107.781 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

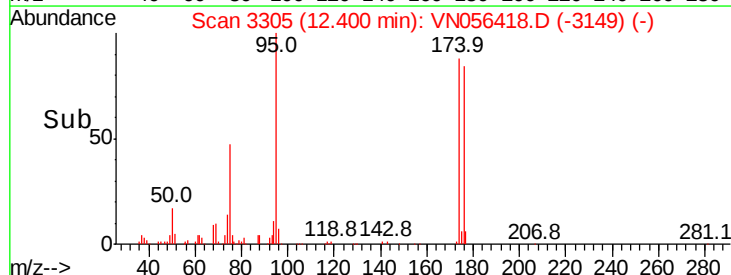
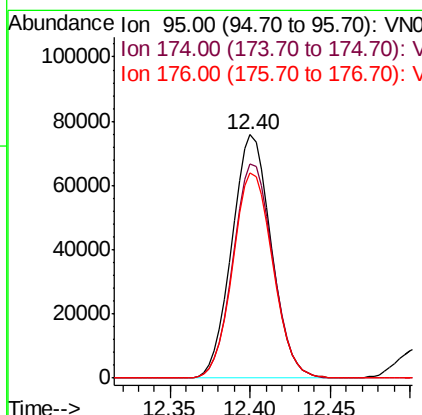
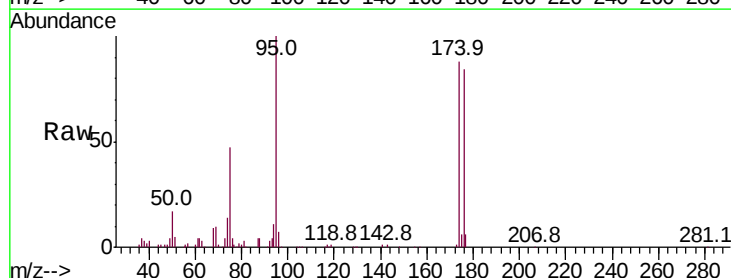
Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

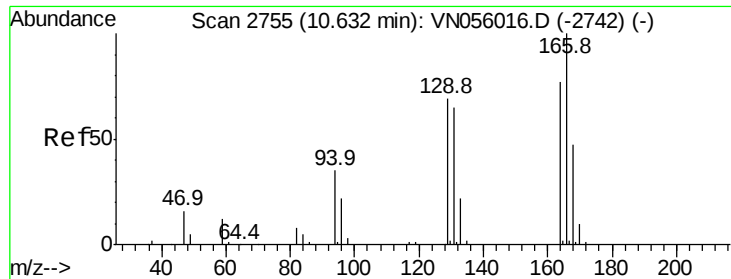
Tot Ion: 43 Resp: 339293
Ion Ratio Lower Upper
43 100
58 55.9 45.3 67.9
57 18.8 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.490 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 95 Resp: 127134
Ion Ratio Lower Upper
95 100
174 89.0 75.4 113.0
176 85.9 73.9 110.9





#61

Tetrachloroethene

Concen: 18.940 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion:164 Resp: 76776

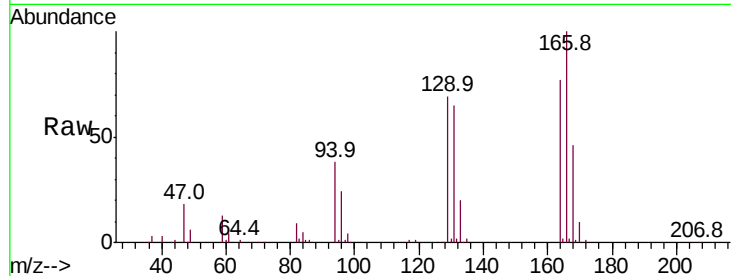
Ion Ratio Lower Upper

164 100

166 130.4 104.3 156.5

129 90.3 71.5 107.3

131 84.1 67.7 101.5

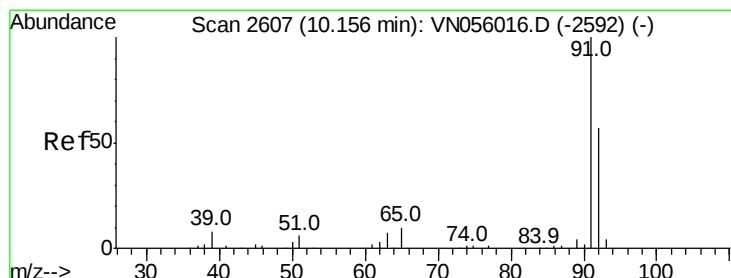
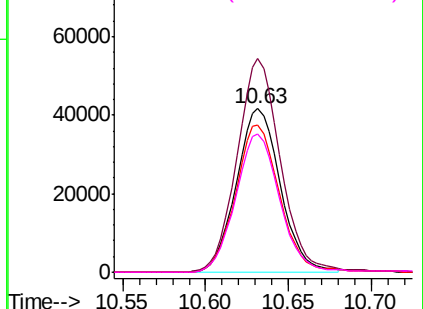
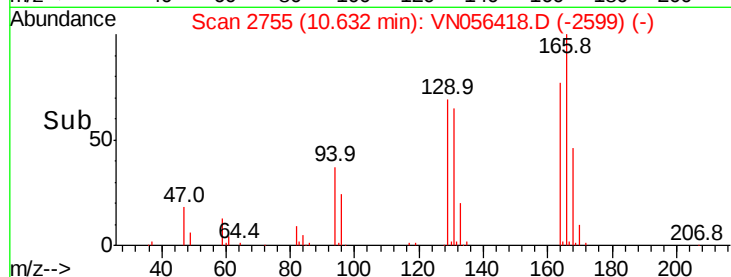


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.278 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056418.D

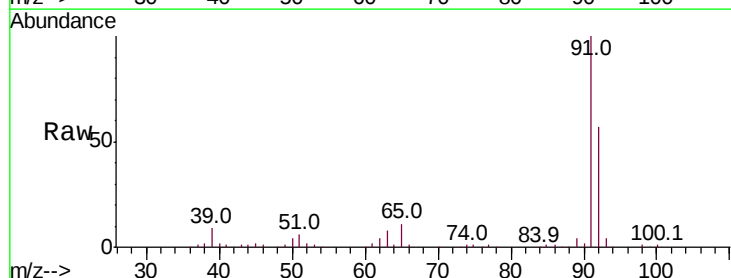
Acq: 21 Jun 2019 12:08

Tgt Ion: 91 Resp: 318405

Ion Ratio Lower Upper

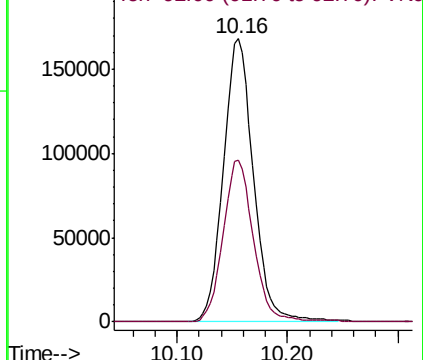
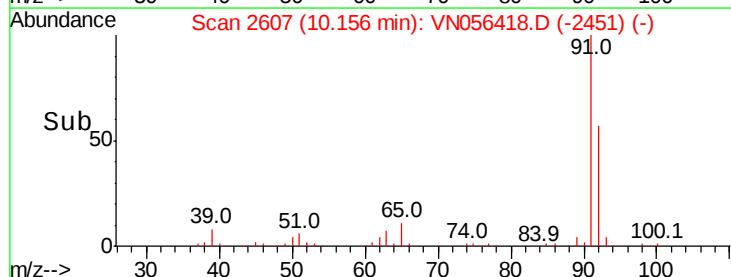
91 100

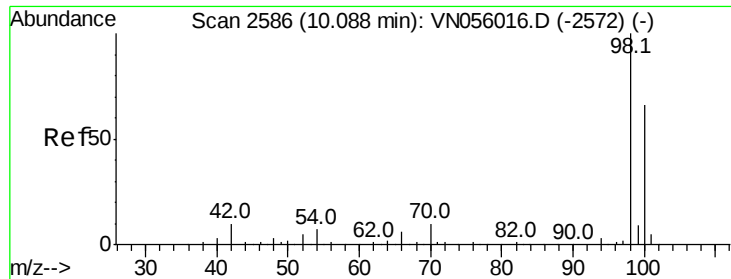
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.640 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

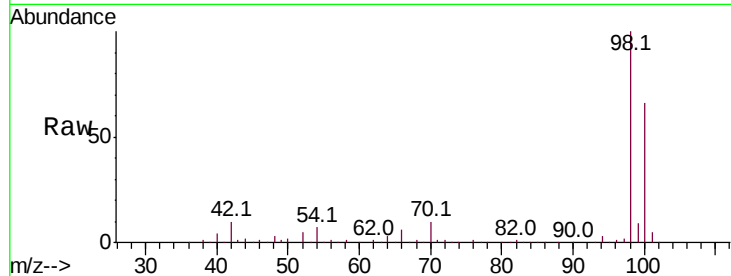
VN0621WBS01

Tot Ion: 98 Resp: 404274

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

250000

200000

150000

100000

50000

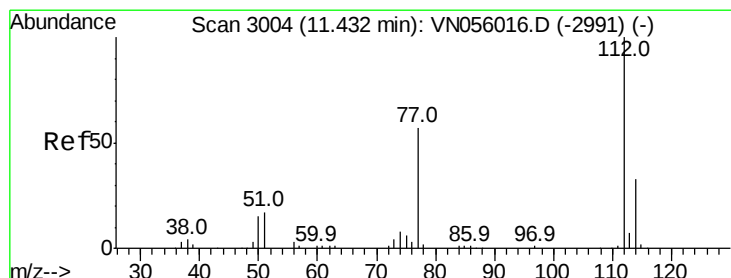
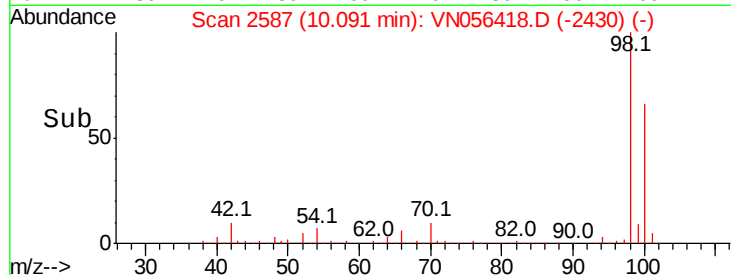
0

Time-->

10.00

10.10

10.20



#64

Chlorobenzene

Concen: 20.148 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056418.D

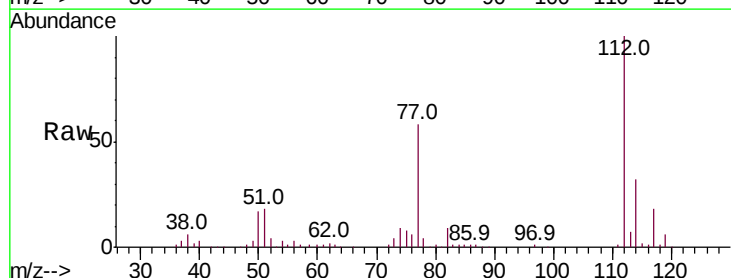
Acq: 21 Jun 2019 12:08

Tgt Ion: 112 Resp: 191896

Ion Ratio Lower Upper

112 100

114 32.0 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

120000

100000

80000

60000

40000

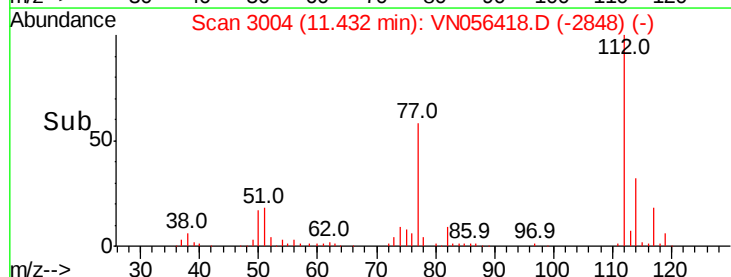
20000

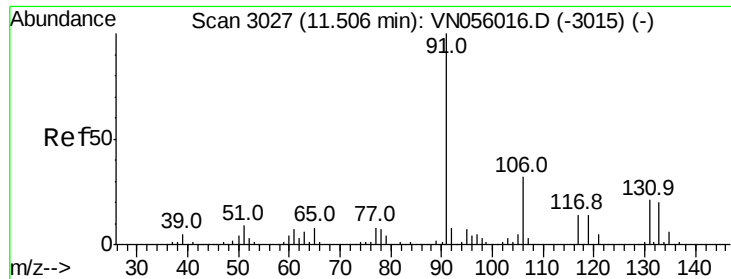
0

Time-->

11.40

11.50





#65

1,1,1,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

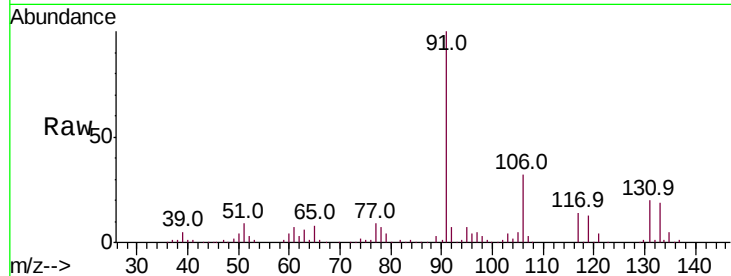
Tot Ion:131 Resp: 67549

Ion Ratio Lower Upper

131 100

133 95.9 0.0 193.8

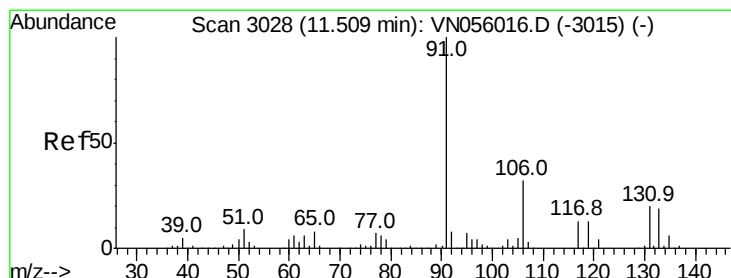
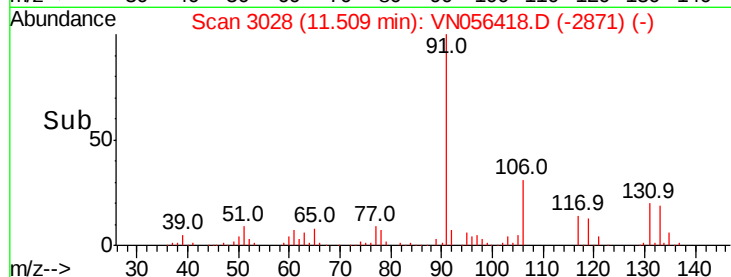
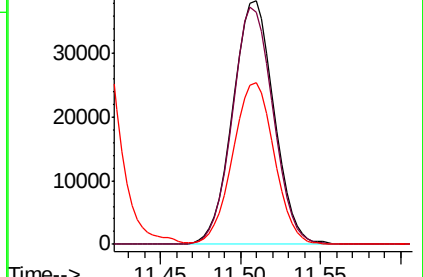
119 66.8 0.0 134.4



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: 20.010 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056418.D

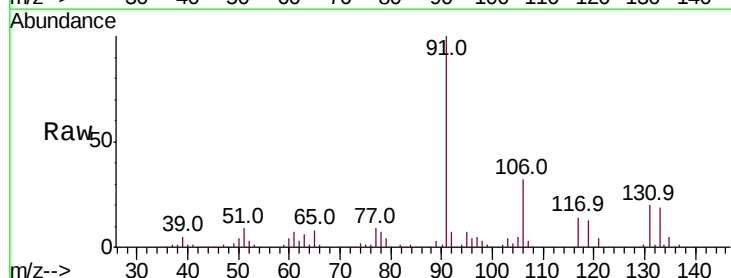
Acq: 21 Jun 2019 12:08

Tgt Ion: 91 Resp: 334646

Ion Ratio Lower Upper

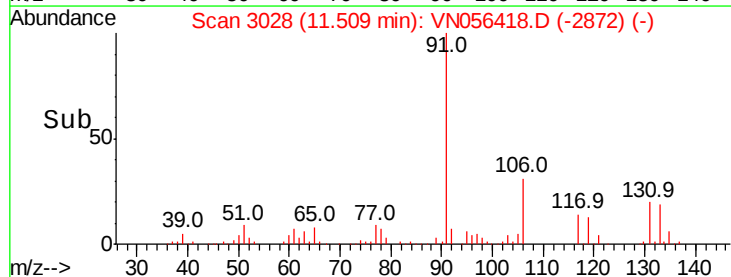
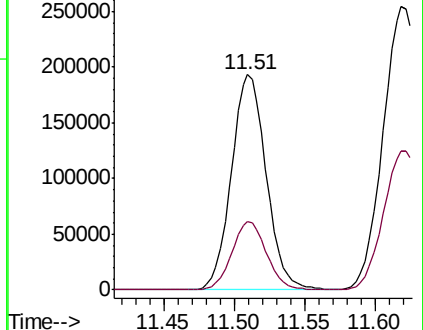
91 100

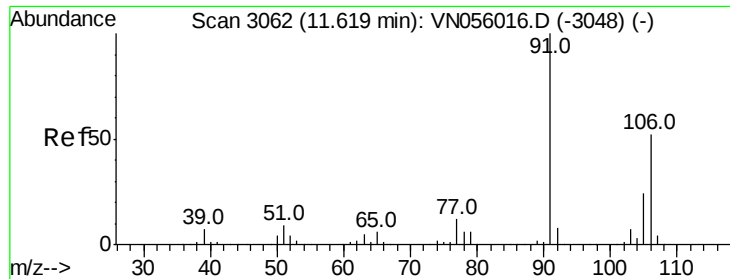
106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

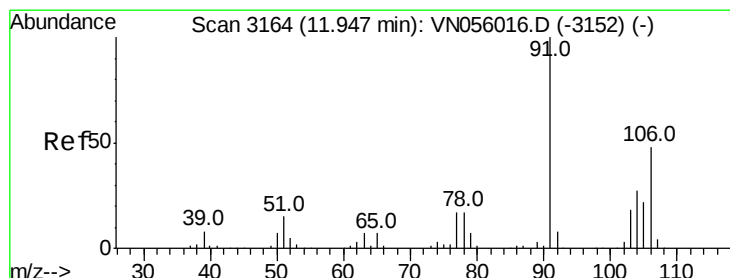
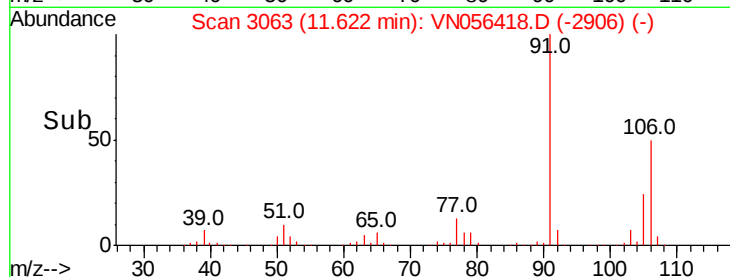
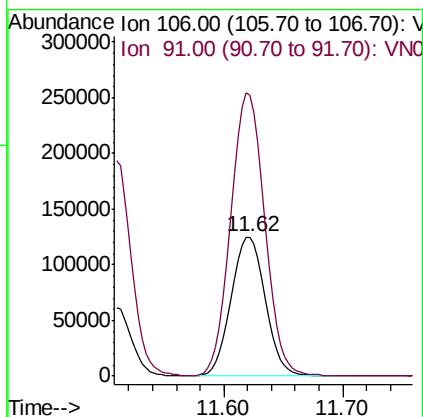
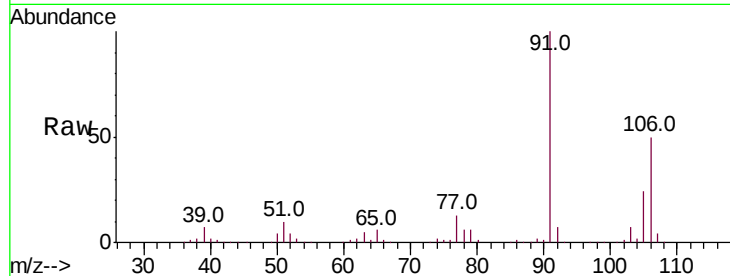




#67
m/p-Xylenes
Concen: 38.983 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

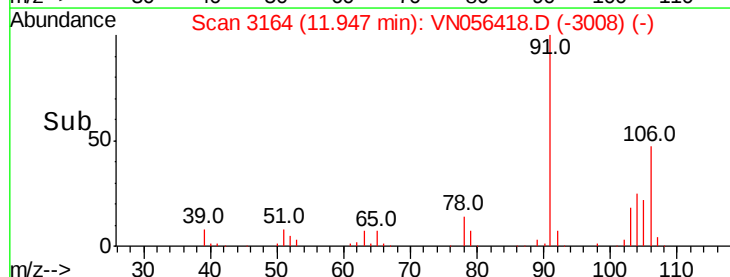
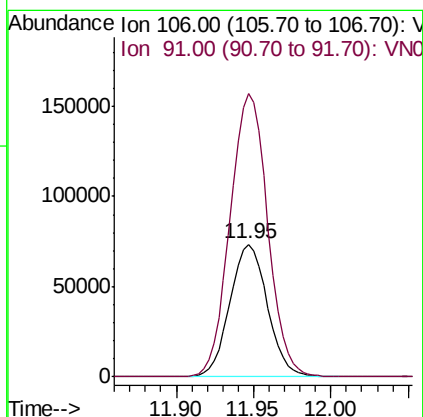
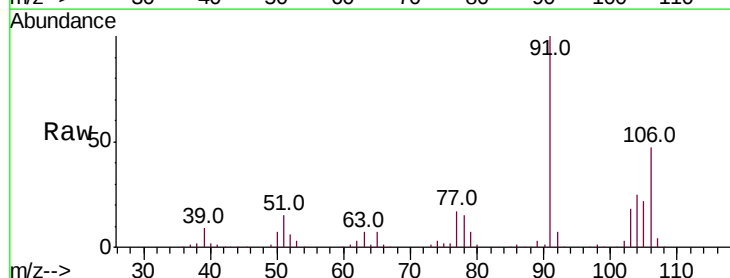
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

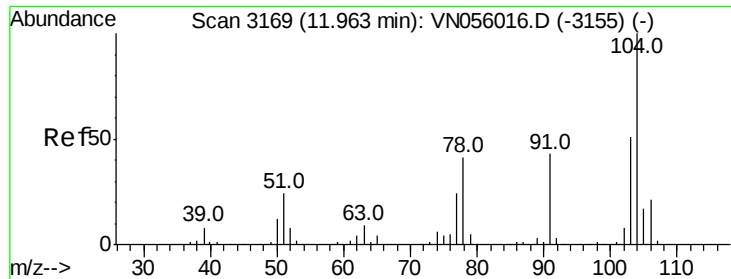
Tot Ion:106 Resp: 249542
Ion Ratio Lower Upper
106 100
91 202.4 155.7 233.5



#68
o-Xylene
Concen: 19.774 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion:106 Resp: 123921
Ion Ratio Lower Upper
106 100
91 214.4 103.9 311.7

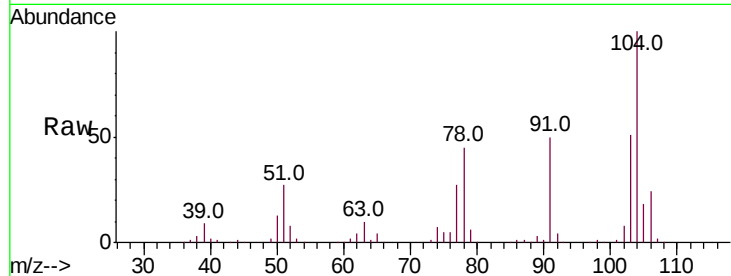




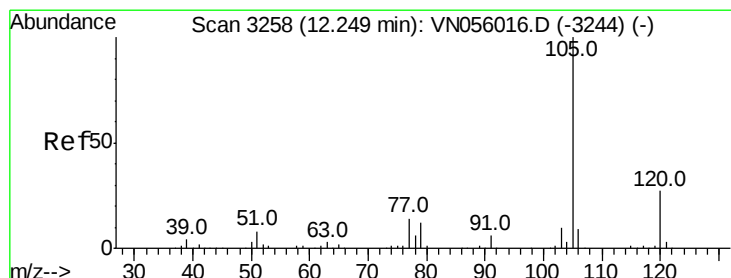
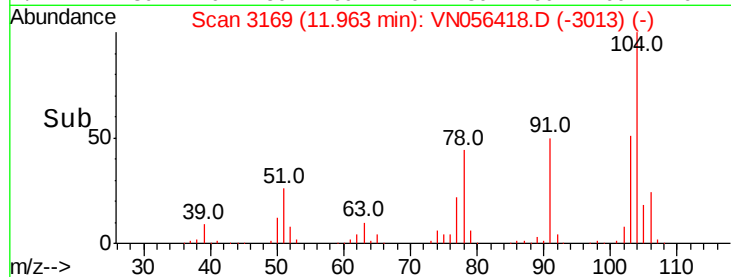
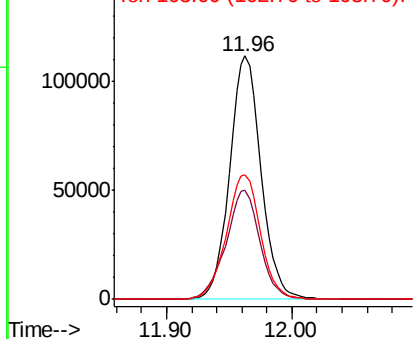
#69
Stvrene
Concen: 19.051 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

Tot Ion:104 Resp: 193975
Ion Ratio Lower Upper
104 100
78 48.7 37.0 55.6
103 55.7 44.4 66.6

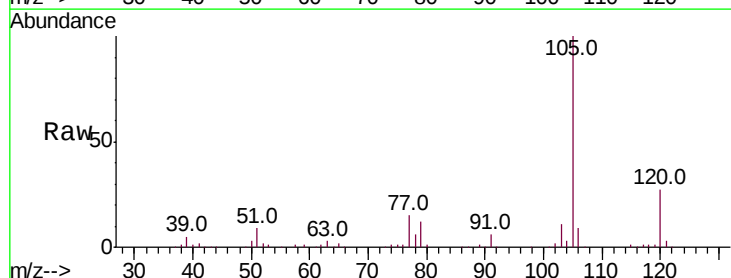


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

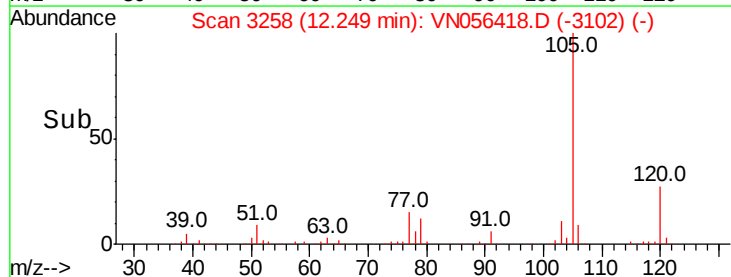
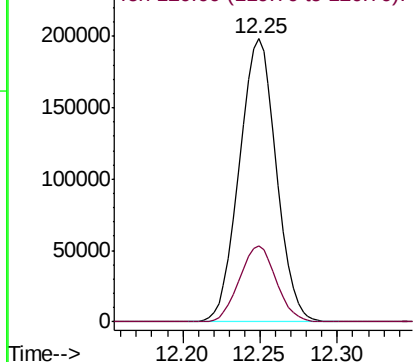


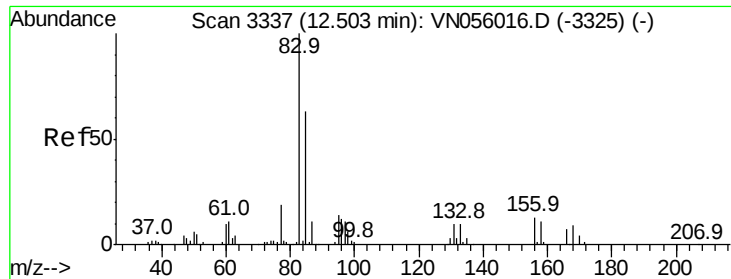
#70
Isopropylbenzene
Concen: 20.114 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion:105 Resp: 329338
Ion Ratio Lower Upper
105 100
120 26.9 19.3 35.8



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

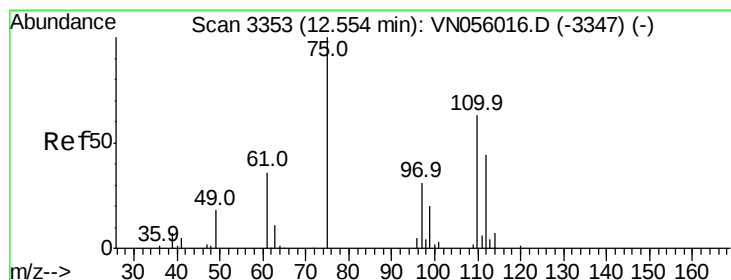
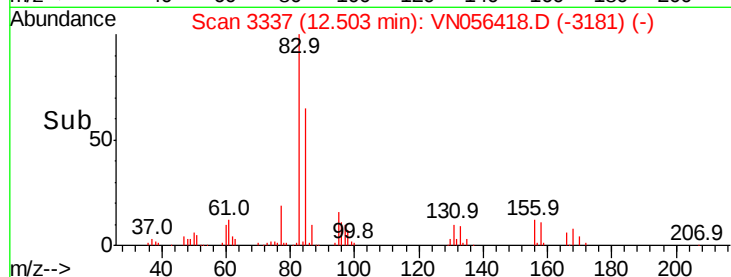
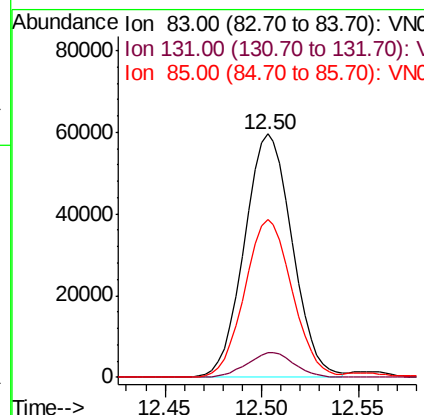
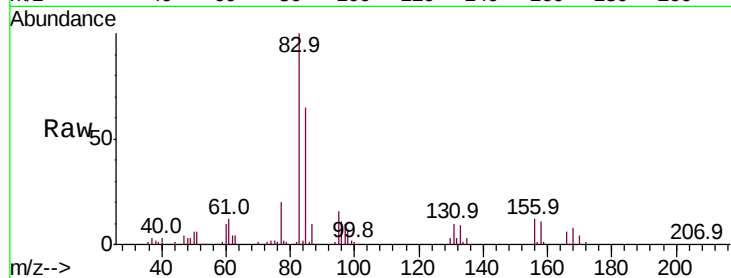




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.758 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

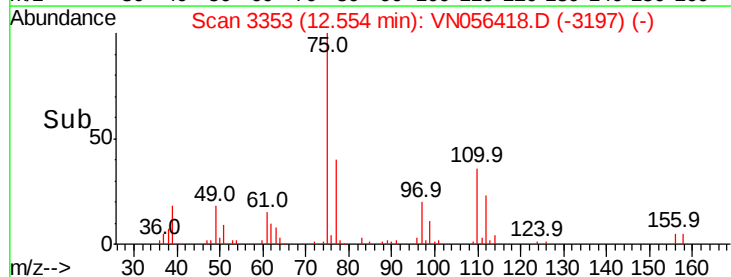
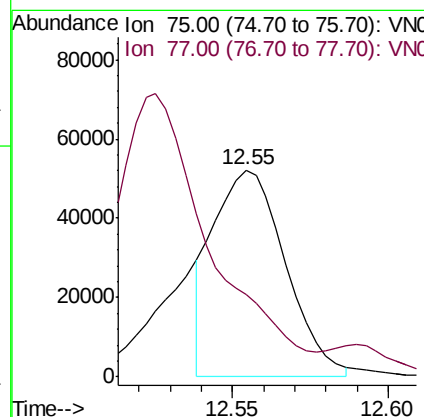
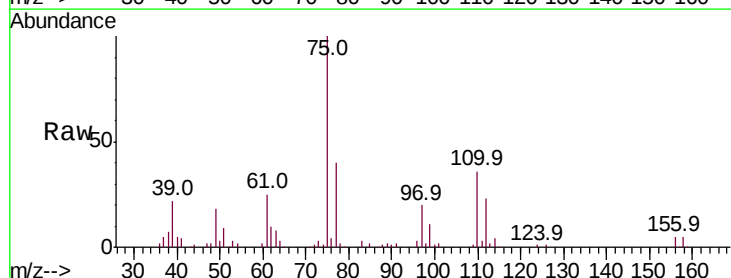
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

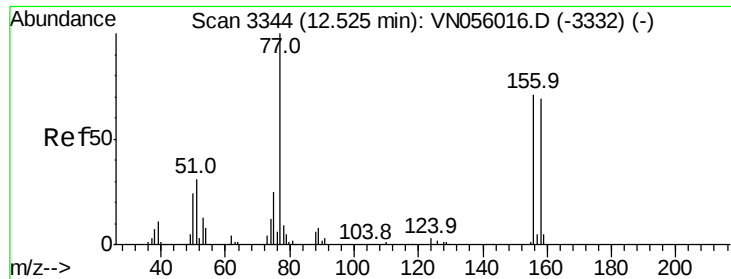
Tot Ion	83	Resp	102474
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.4	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 19.714 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion	75	Resp	84248
Ion Ratio	Lower	Upper	
75	100		
77	182.8	0.0	350.0





#73

Bromobenzene

Concen: 18.982 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

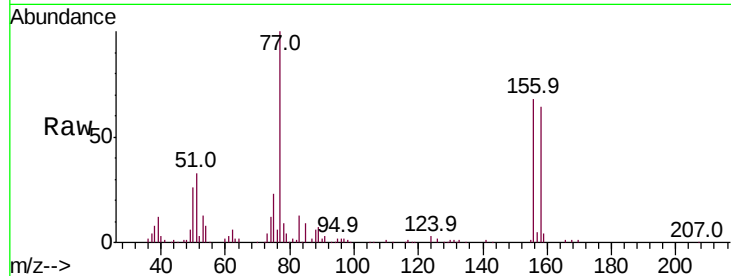
Tot Ion:156 Resp: 82497

Ion Ratio Lower Upper

156 100

77 186.7 0.0 350.8

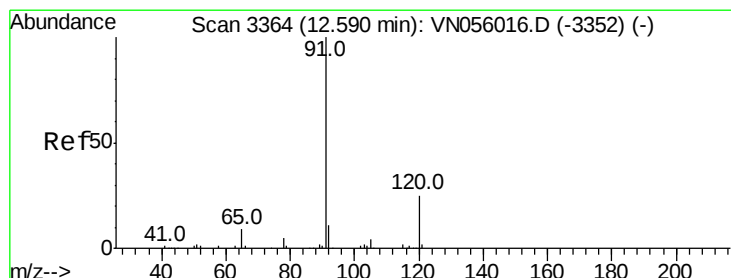
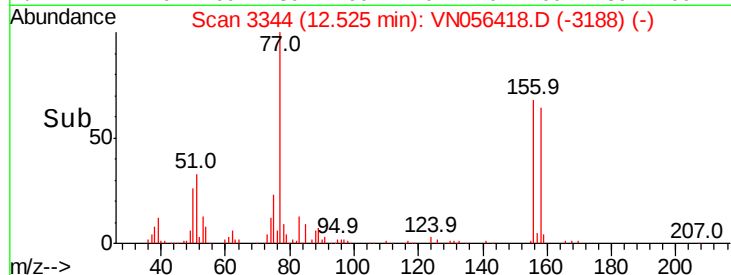
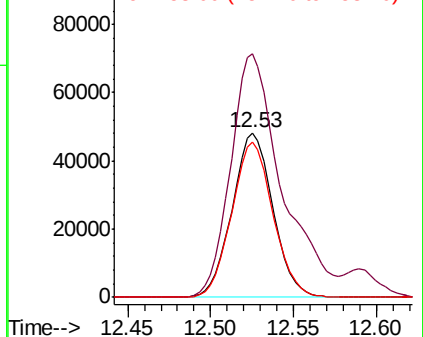
158 95.5 0.0 193.2



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: 19.609 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056418.D

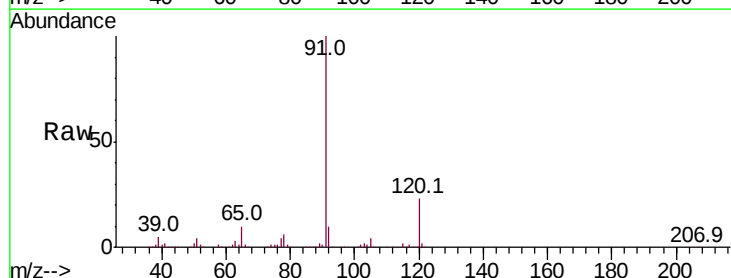
Acq: 21 Jun 2019 12:08

Tgt Ion: 91 Resp: 338831

Ion Ratio Lower Upper

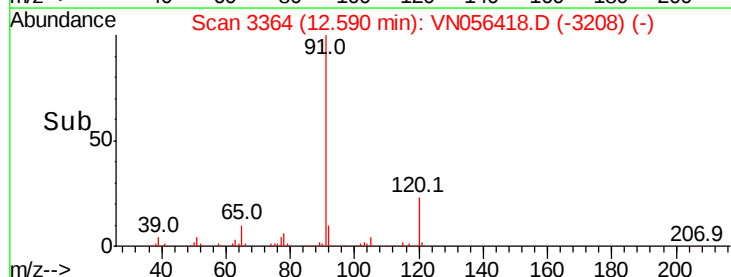
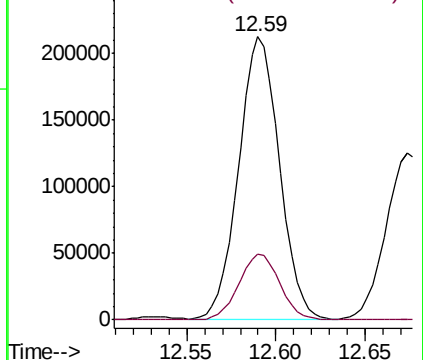
91 100

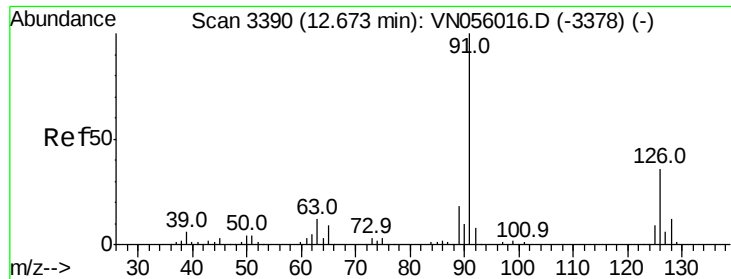
120 23.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.945 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

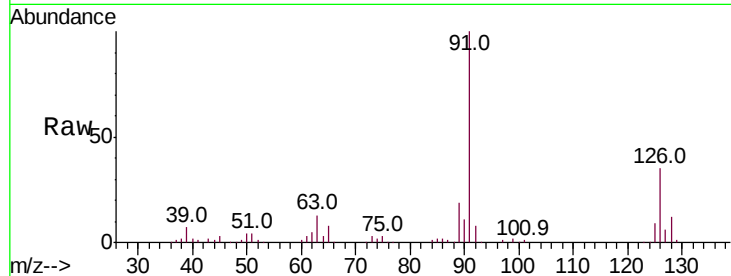
VN0621WBS01

Tot Ion: 91 Resp: 213757

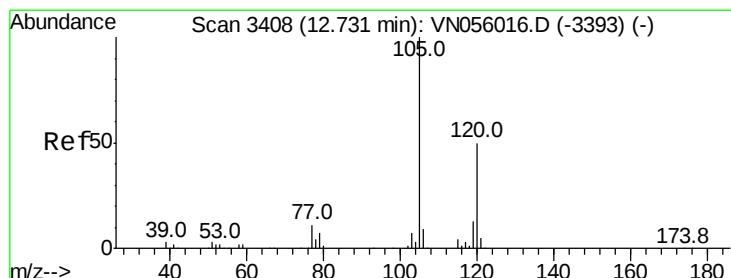
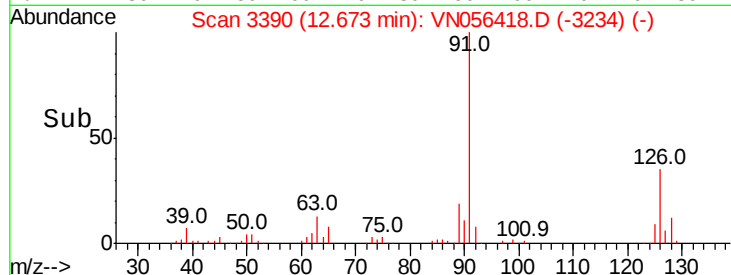
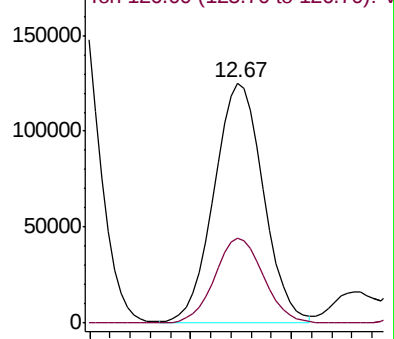
Ion Ratio Lower Upper

91 100

126 35.1 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056418.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.723 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056418.D

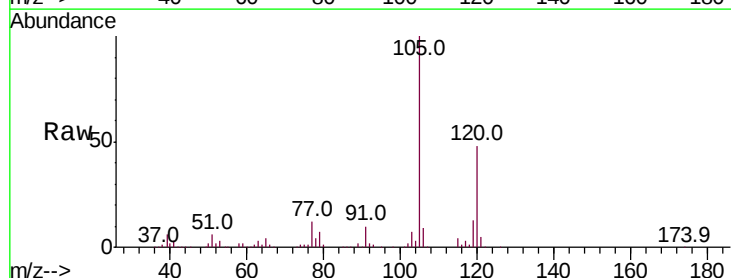
Acq: 21 Jun 2019 12:08

Tgt Ion:105 Resp: 265638

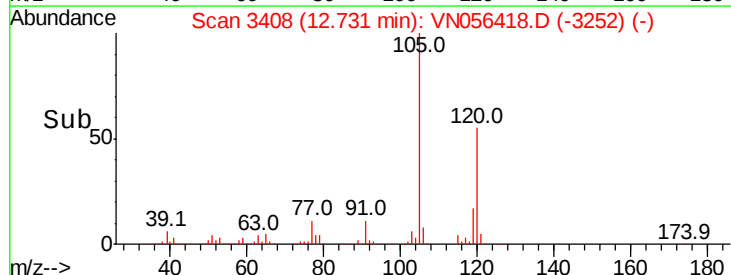
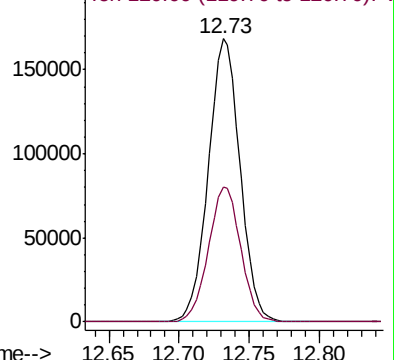
Ion Ratio Lower Upper

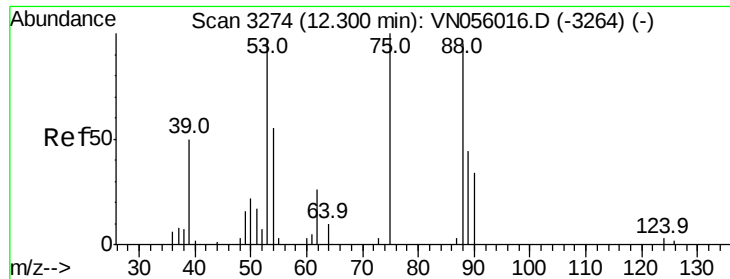
105 100

120 48.5 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056418.D (-3252) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.311 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

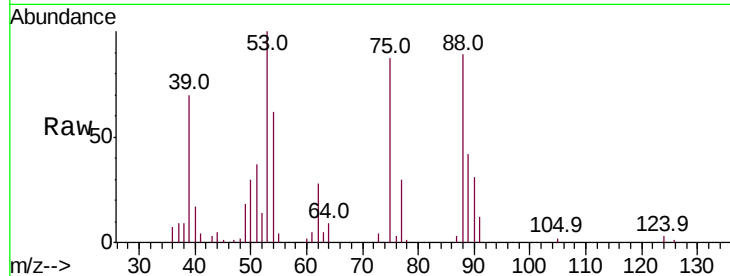
Tot Ion: 75 Resp: 19890

Ion Ratio Lower Upper

75 100

53 112.4 48.0 144.0

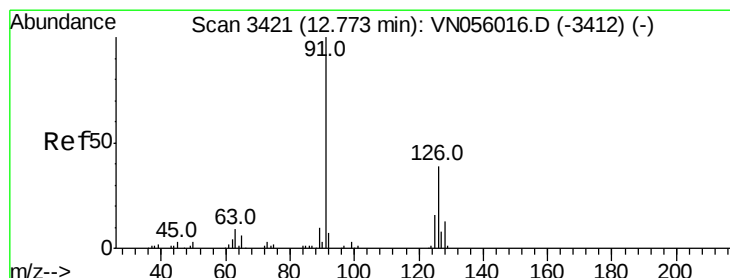
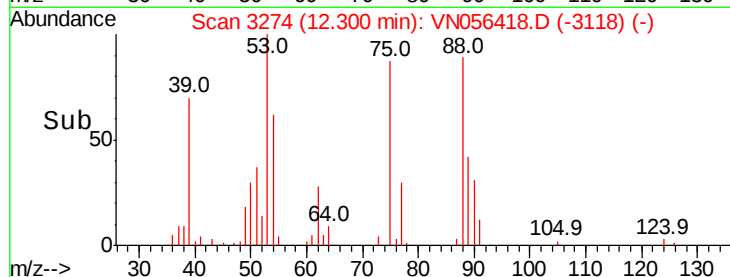
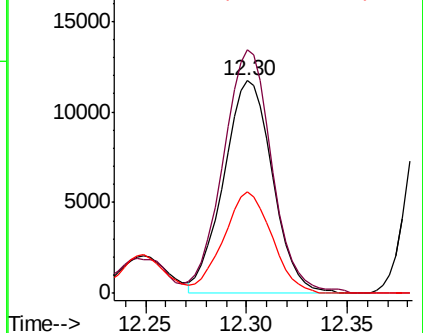
89 47.5 22.5 67.5



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: 18.966 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056418.D

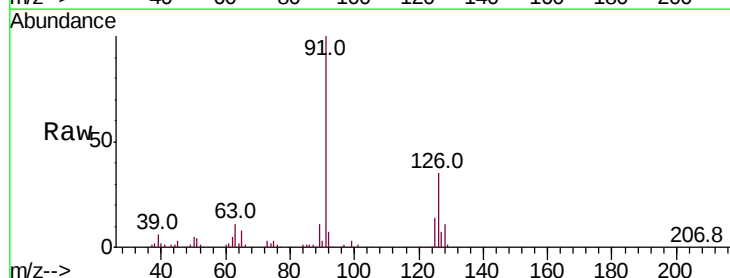
Acq: 21 Jun 2019 12:08

Tgt Ion: 91 Resp: 189832

Ion Ratio Lower Upper

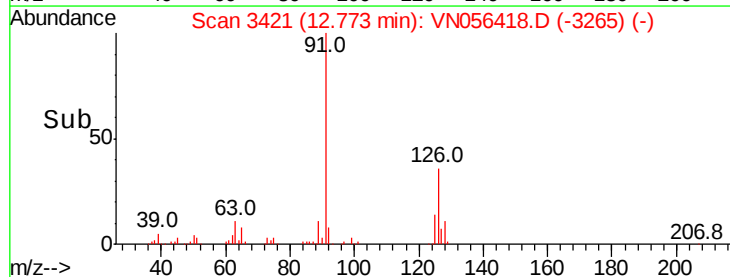
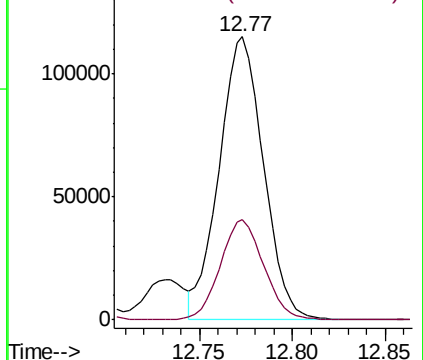
91 100

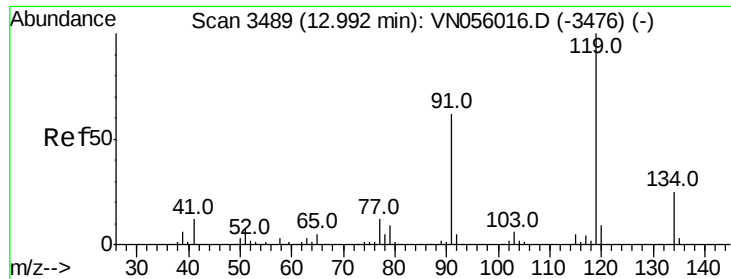
126 34.9 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

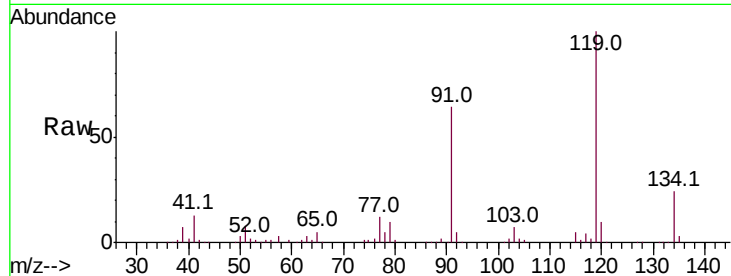




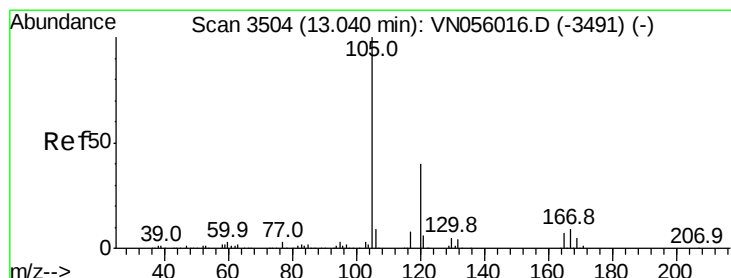
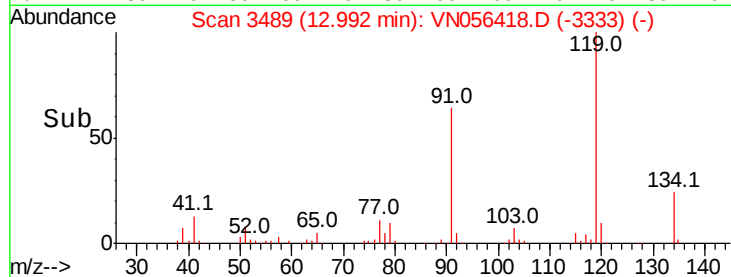
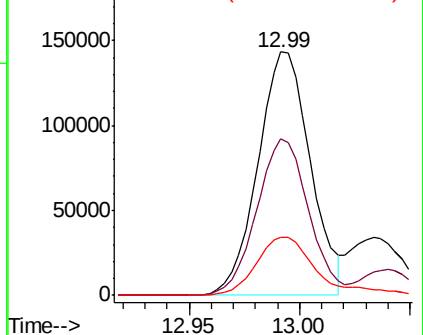
#79
tert-butylbenzene
Concen: 19.769 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion:119 Resp: 235890
Ion Ratio Lower Upper
119 100
91 63.6 0.0 122.8
134 25.3 0.0 50.2

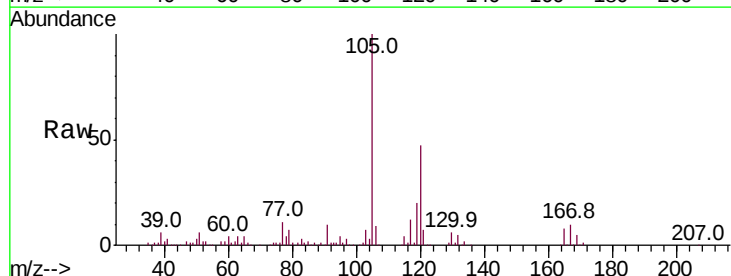


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

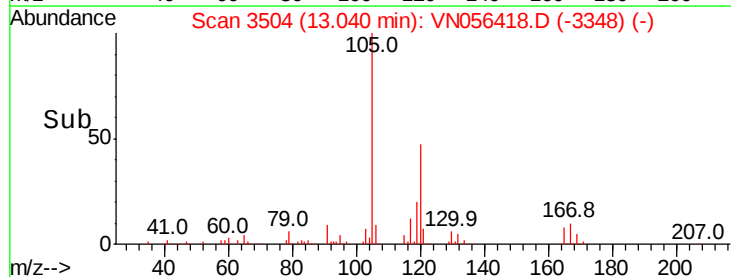
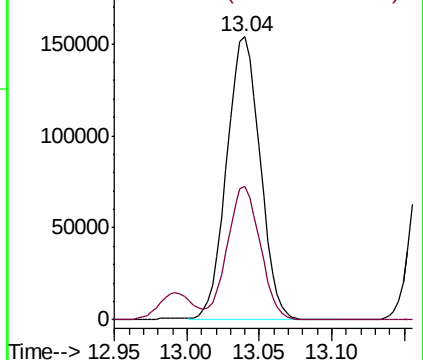


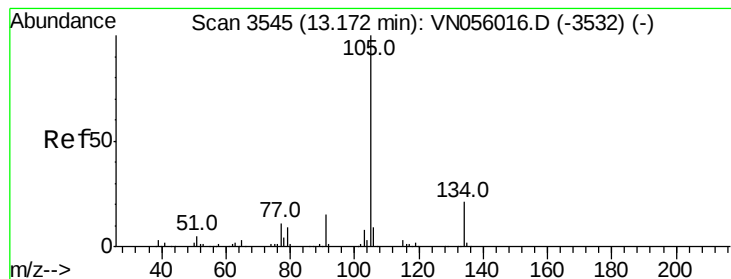
#80
1,2,4-Trimethylbenzene
Concen: 18.892 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion:105 Resp: 247518
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.4



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





#81

sec-Butylbenzene

Concen: 19.782 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

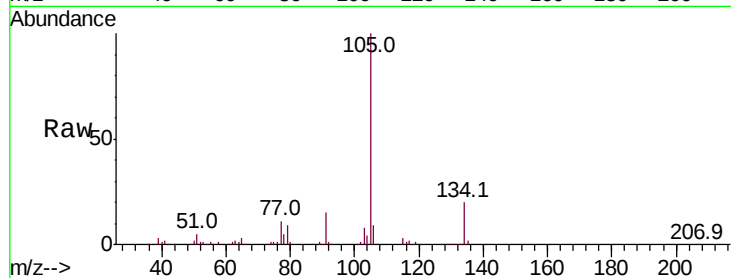
VN0621WBS01

Tot Ion:105 Resp: 298615

Ion Ratio Lower Upper

105 100

134 20.4 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

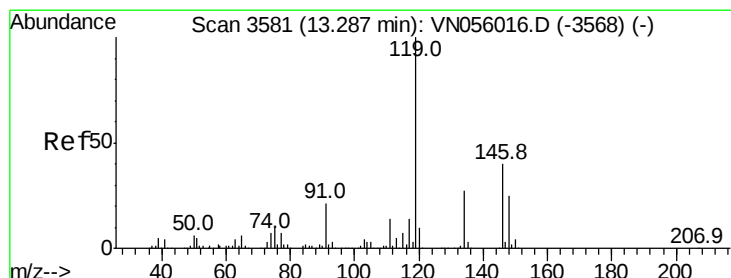
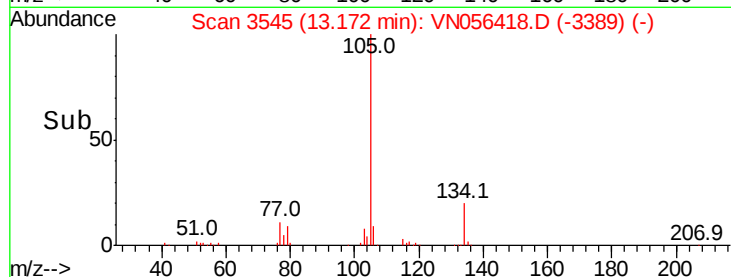
150000

100000

50000

0

Time--> 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 18.406 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

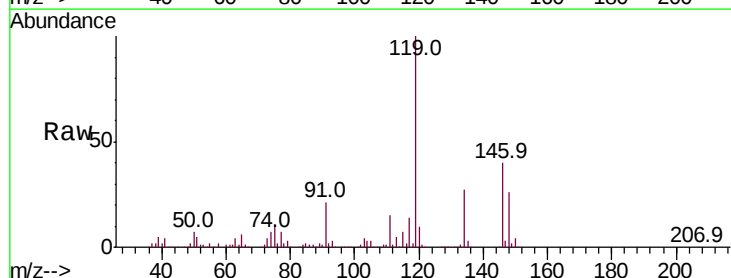
Tgt Ion:119 Resp: 251198

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

91 21.8 0.0 43.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

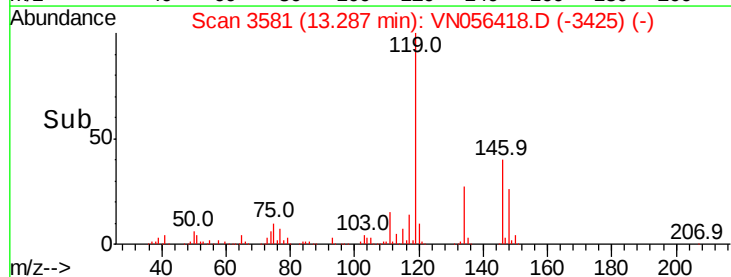
150000

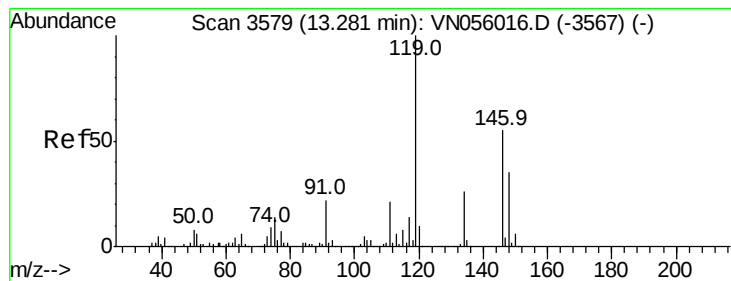
100000

50000

0

Time--> 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 17.633 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

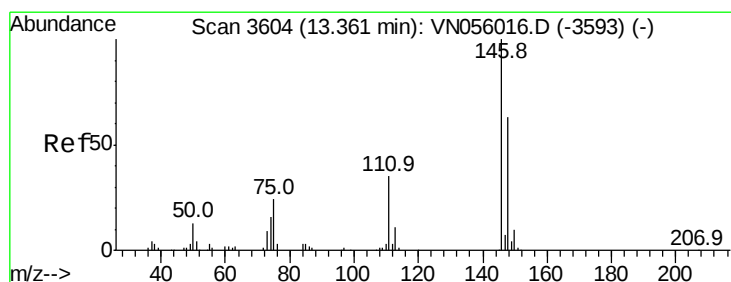
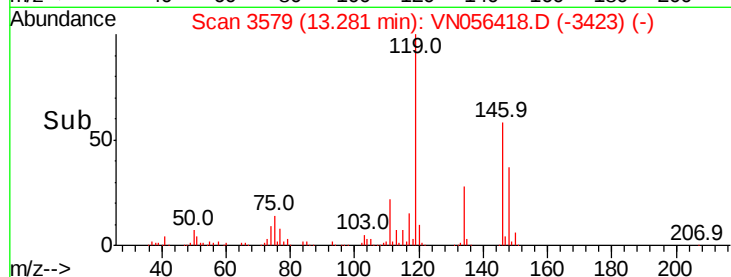
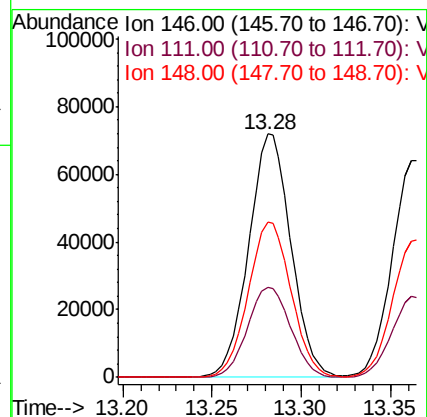
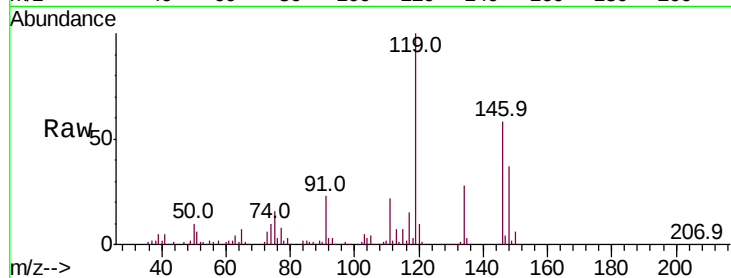
Tot Ion:146 Resp: 119430

Ion Ratio Lower Upper

146 100

111 37.7 18.2 54.6

148 64.7 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 16.827 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

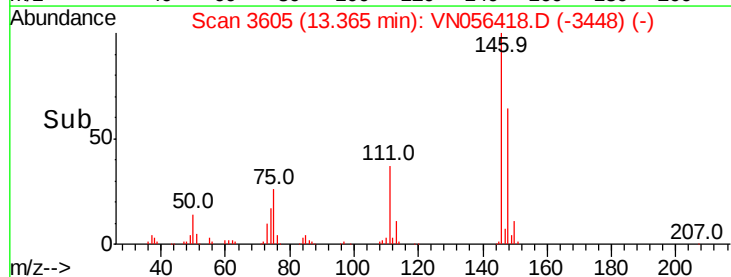
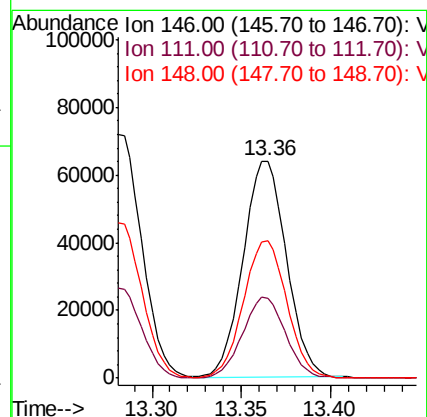
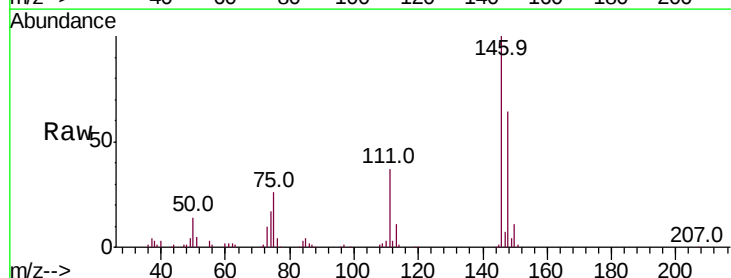
Tgt Ion:146 Resp: 108557

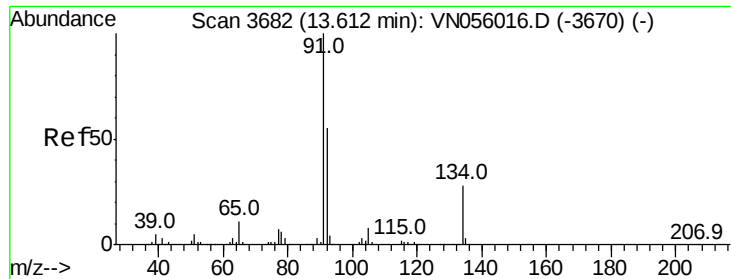
Ion Ratio Lower Upper

146 100

111 37.2 17.6 52.9

148 63.6 32.1 96.3

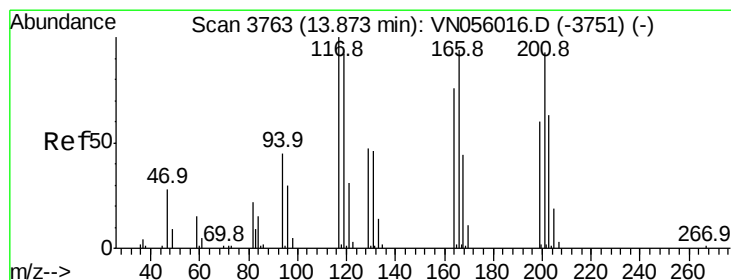
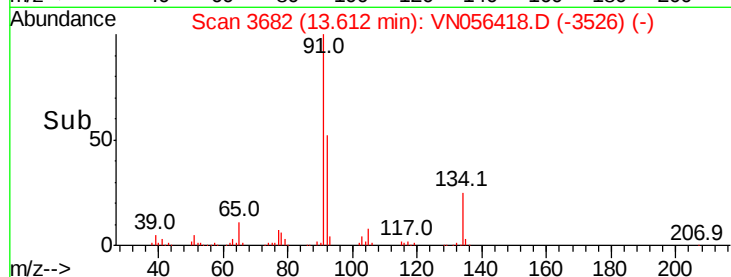
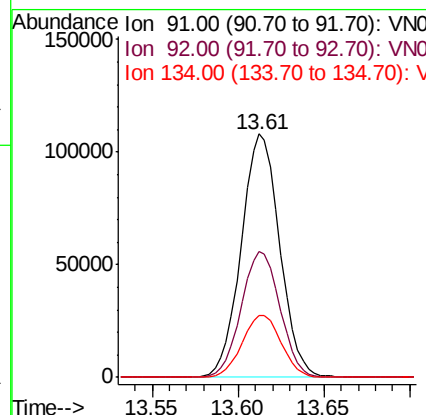
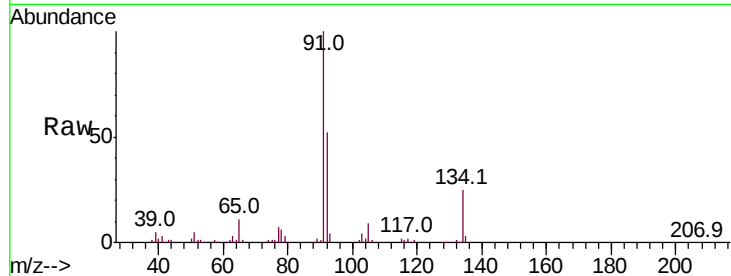




#85
n-Butylbenzene
Concen: 16.431 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

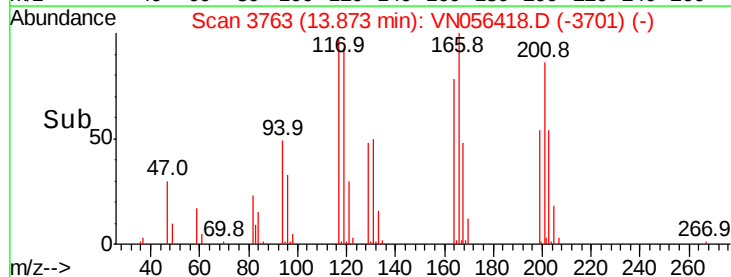
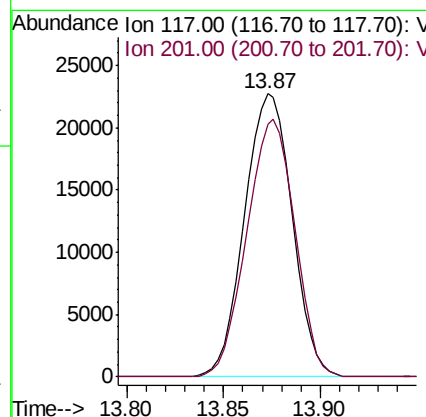
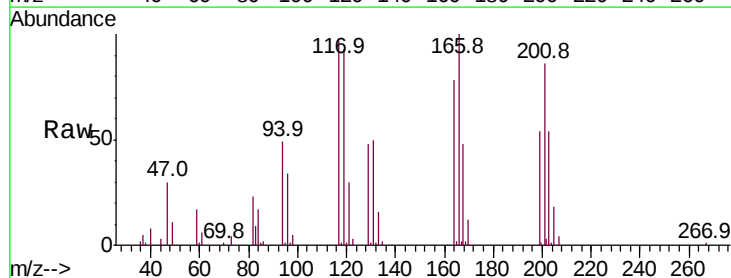
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

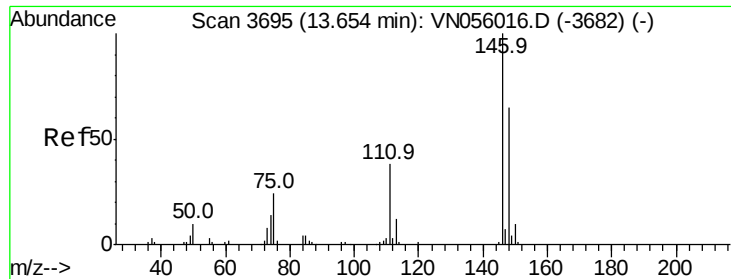
Tot Ion: 91 Resp: 167360
Ion Ratio Lower Upper
91 100
92 52.3 0.0 107.2
134 26.1 0.0 55.8



#86
Hexachloroethane
Concen: 18.371 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056418.D
Acq: 21 Jun 2019 12:08

Tgt Ion: 117 Resp: 39087
Ion Ratio Lower Upper
117 100
201 91.2 48.1 144.4





#87

1,2-Dichlorobenzene

Concen: 17.724 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

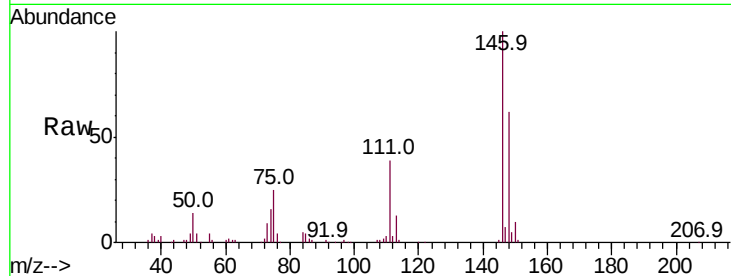
Tot Ion:146 Resp: 122018

Ion Ratio Lower Upper

146 100

111 39.1 19.3 57.9

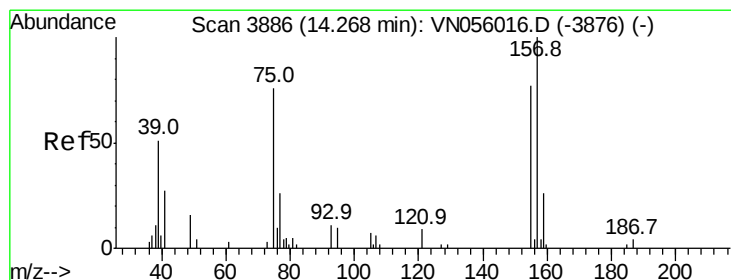
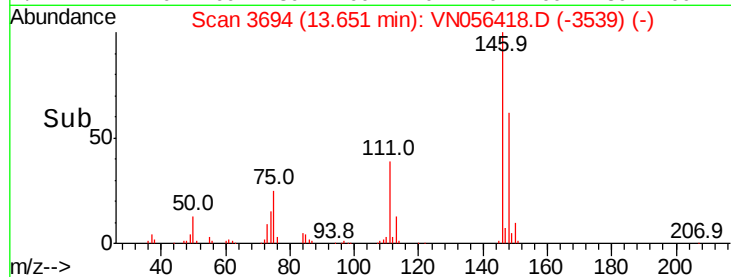
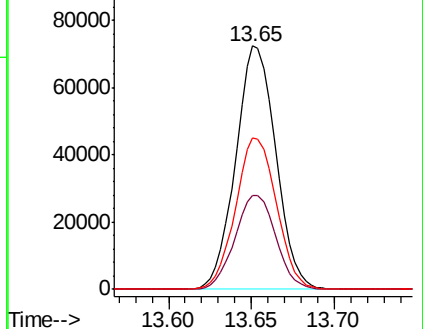
148 63.4 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.281 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

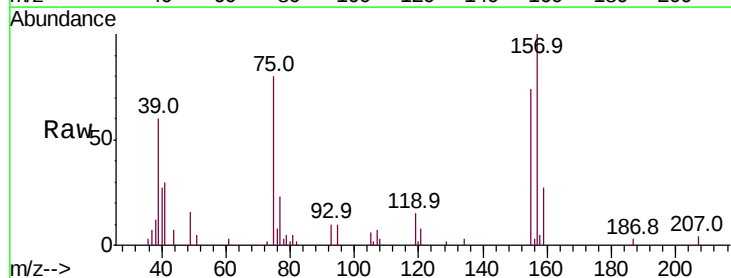
Tgt Ion: 75 Resp: 13391

Ion Ratio Lower Upper

75 100

155 91.2 82.5 123.7

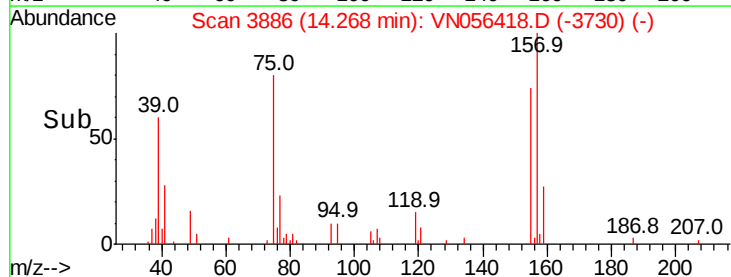
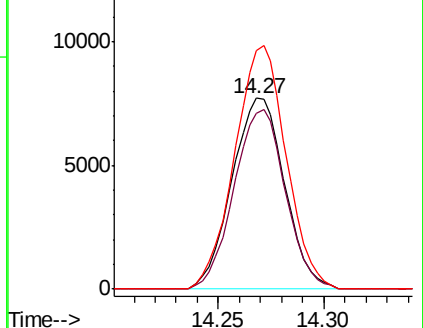
157 124.4 105.1 157.7

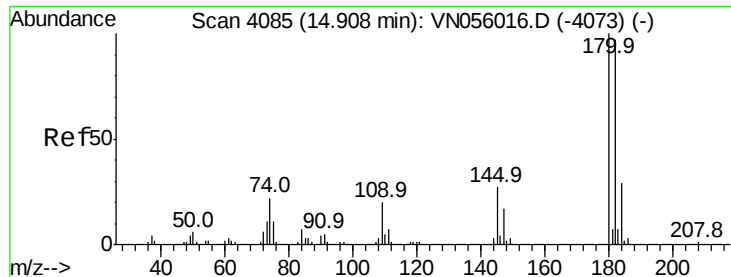


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

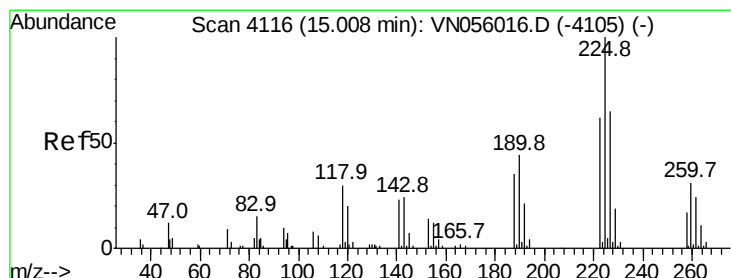
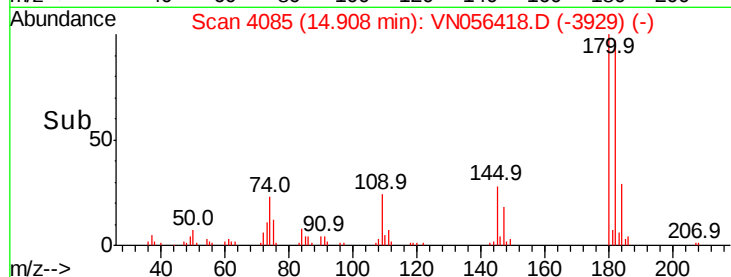
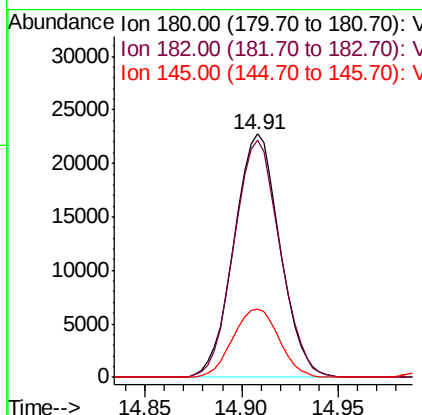
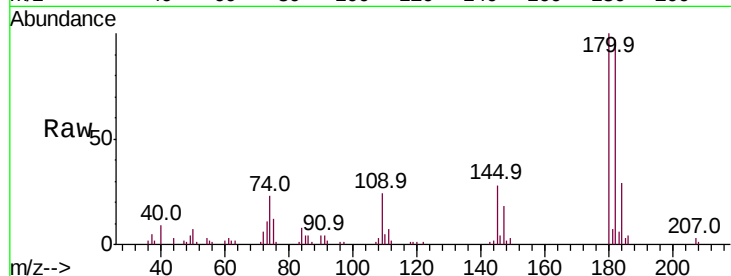




#89
 1,2,4-Trichlorobenzene
 Concen: 16.328 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

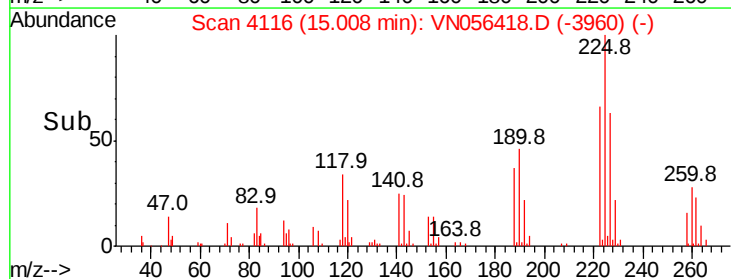
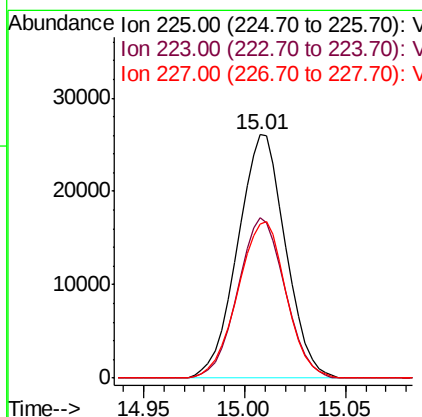
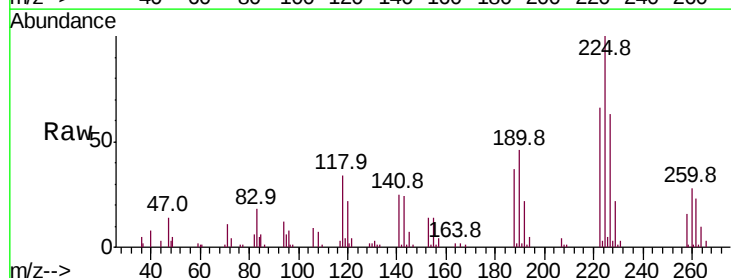
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

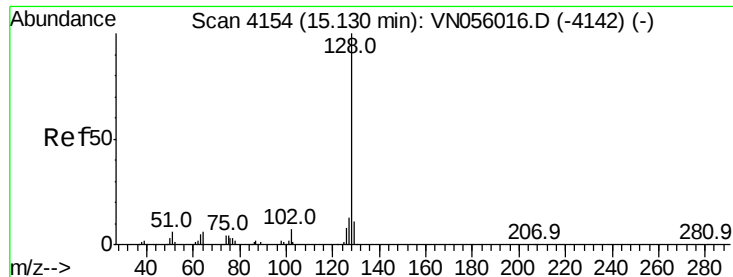
Tot Ion:180 Resp: 37541
 Ion Ratio Lower Upper
 180 100
 182 97.8 75.0 112.6
 145 28.2 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 17.224 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056418.D
 Acq: 21 Jun 2019 12:08

Tgt Ion:225 Resp: 43289
 Ion Ratio Lower Upper
 225 100
 223 64.9 0.0 125.6
 227 64.7 0.0 128.6





#91

Naphthalene

Concen: 11.925 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

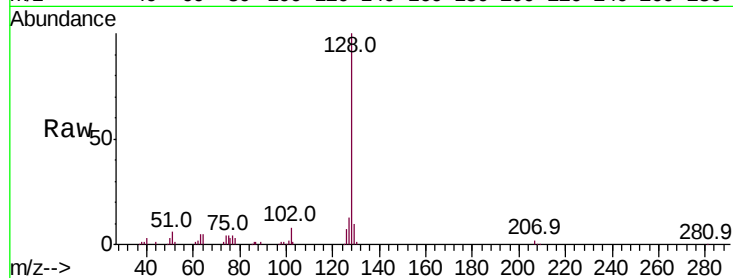
Tot Ion:128 Resp: 109037

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

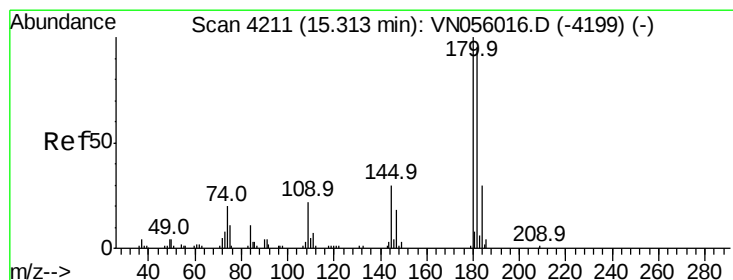
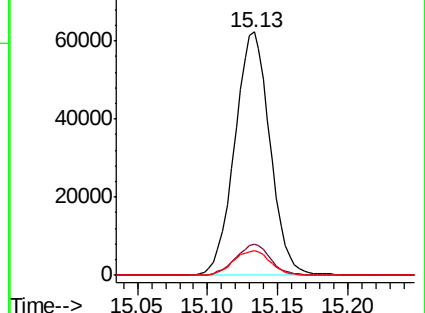
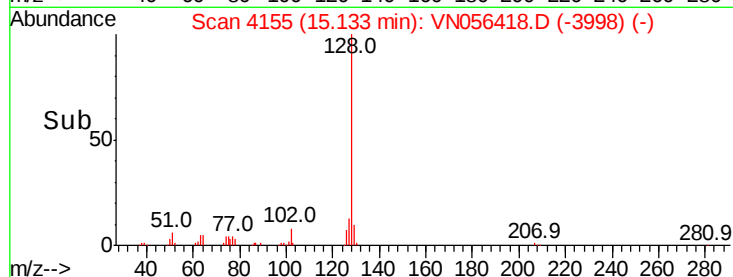
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.082 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056418.D

Acq: 21 Jun 2019 12:08

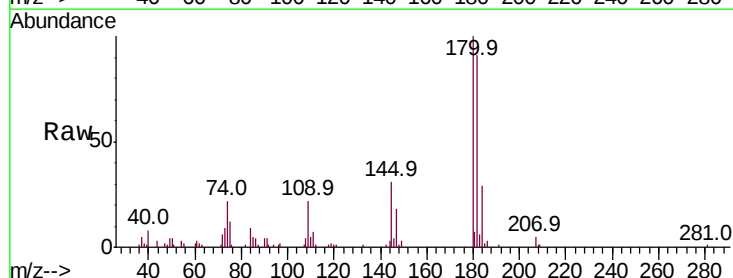
Tgt Ion:180 Resp: 47144

Ion Ratio Lower Upper

180 100

182 94.2 0.0 193.4

145 30.9 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

