

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056239.D
 Acq On : 12 Jun 2019 10:47
 Operator : JC/SP
 Sample : VN0612WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Quant Time: Jun 13 04:26:58 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	50388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	251085	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	221957	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	92419	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	12.40	95	94957	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.09	98	308763	30.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	59722	21.073	ug/l 98
3) Chloromethane	2.06	50	67336	20.336	ug/l 97
4) Vinyl Chloride	2.19	62	65169	19.303	ug/l 100
5) Bromomethane	2.55	94	43603	20.551	ug/l 98
6) Chloroethane	2.69	64	37706	19.746	ug/l 95
7) Trichlorofluoromethane	3.01	101	83201	19.918	ug/l 98
8) Diethyl Ether	3.40	74	31874	17.992	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	51551	19.993	ug/l 96
10) 1,1-Dichloroethene	3.72	96	50533	19.212	ug/l 99
11) Methyl Iodide	3.94	142	77946	18.783	ug/l 98
12) Methyl Acetate	4.33	43	59905	18.953	ug/l 98
13) Acrolein	3.60	56	15377	99.815	ug/l 98
14) Acrylonitrile	4.99	53	135750	96.310	ug/l 99
15) Acetone	3.82	58	42668	92.452	ug/l 97
16) Carbon Disulfide	4.04	76	122669	19.601	ug/l 100
17) Allyl chloride	4.31	41	78763	19.327	ug/l 96
18) Methylene Chloride	4.54	84	59899	19.671	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	53698	19.126	ug/l 97
20) Diisopropyl ether	5.95	45	164061	19.431	ug/l 98
21) 1,1-Dichloroethane	5.84	63	95656	19.494	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	63363	19.336	ug/l 99
23) tert-Butyl Alcohol	4.81	59	39774	72.496	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	156479	18.668	ug/l 100
25) Chloroform	7.37	83	99443	20.295	ug/l 100
26) Cyclohexane	7.65	56	84749	18.616	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	71422	21.029	ug/l 99
30) 2-Butanone	6.84	43	183407	102.576	ug/l 99
31) 2,2-Dichloropropane	6.82	77	65162	20.624	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	80222	21.379	ug/l 98
33) Carbon Tetrachloride	7.77	117	70660	22.226	ug/l 98
34) Benzene	8.04	78	228307	21.097	ug/l 99
35) Methacrylonitrile	7.18	41	33140	21.949	ug/l 98
36) 1,2-Dichloroethane	8.12	62	74881	22.091	ug/l 98
37) Trichloroethene	8.83	130	63777	21.061	ug/l 99
38) Methylcyclohexane	9.08	83	86839	20.168	ug/l 99
39) 1,2-Dichloropropane	9.12	63	59423	21.440	ug/l 96
40) Dibromomethane	9.21	93	39584	21.541	ug/l 99

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Instrument :
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 ClientSampleId :
 VN0612WBS01

Quant Time: Jun 13 04:26:58 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)
41) Bromodichloromethane	9.40	83	72649	22.078	ug/l	99
42) Vinyl Acetate	5.90	43	658941	103.371	ug/l	100
43) Ethyl Acetate	6.93	43	69357	20.268	ug/l	94
44) Isopropyl Acetate	8.17	43	104298	19.630	ug/l	98
45) 1,4-Dioxane	9.20	88	21158	372.260	ug/l	91
46) Methyl methacrylate	9.20	41	51346	19.453	ug/l	98
47) n-amyl Acetate	12.07	43	80673	18.360	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	66700	19.261	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	80219	19.783	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	57258	20.978	ug/l	97
51) Ethyl methacrylate	10.43	69	77671	18.809	ug/l	98
52) 1,3-Dichloropropane	10.71	76	90587	20.472	ug/l	97
53) Dibromochloromethane	10.90	129	59691	22.340	ug/l	99
54) 1,2-Dibromoethane	11.00	107	58539	20.553	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	118649	82.031	ug/l	99
56) Bromoform	12.13	173	42481	21.978	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	344780	102.583	ug/l	98
59) 2-Hexanone	10.75	43	242561	100.972	ug/l	98
61) Tetrachloroethene	10.63	164	66124	21.376	ug/l	99
62) Toluene	10.16	91	245170	20.461	ug/l	100
64) Chlorobenzene	11.43	112	149166	20.524	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	57214	21.831	ug/l	98
66) Ethyl Benzene	11.51	91	255484	20.019	ug/l	100
67) m/p-Xylenes	11.62	106	198071	40.548	ug/l	99
68) o-Xylene	11.95	106	95576	19.986	ug/l	100
69) Styrene	11.96	104	150781	19.406	ug/l	99
70) Isopropylbenzene	12.25	105	253892	20.320	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	78152	20.746	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	86567	26.545	ug/l	70
73) Bromobenzene	12.53	156	66342	20.004	ug/l	99
74) n-propylbenzene	12.59	91	259697	19.695	ug/l	100
75) 2-Chlorotoluene	12.67	91	163112	19.944	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	208343	20.271	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16892	18.153	ug/l	96
78) 4-Chlorotoluene	12.77	91	144272	18.888	ug/l	100
79) tert-butylbenzene	12.99	119	186455	20.477	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	198146	19.818	ug/l	99
81) sec-Butylbenzene	13.17	105	233945	20.309	ug/l	100
82) p-Isopropyltoluene	13.29	119	204015	19.589	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	99318	19.216	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	87786	17.831	ug/l	99
85) n-Butylbenzene	13.61	91	132885	17.096	ug/l	98
86) Hexachloroethane	13.87	117	33796	20.815	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	101404	19.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11216	18.967	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	35179	18.101	ug/l	99
90) Hexachlorobutadiene	15.01	225	42813	22.323	ug/l	99
91) Naphthalene	15.13	128	89040	12.761	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	42750	15.545	ug/l	99

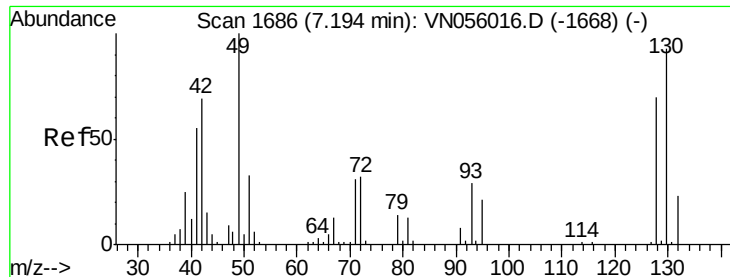
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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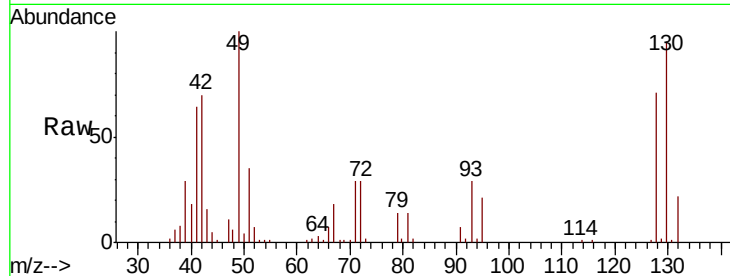
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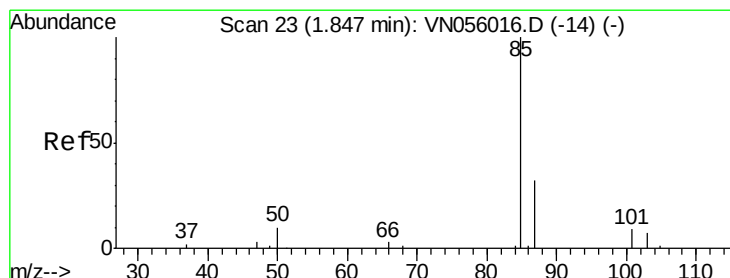
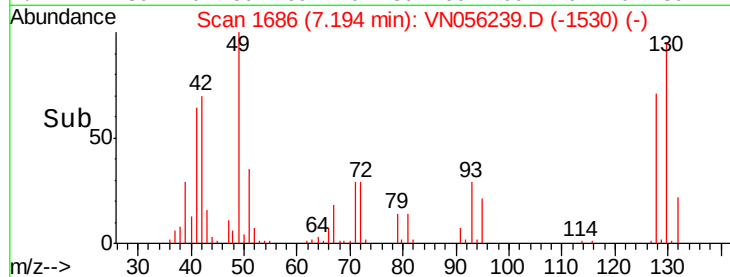
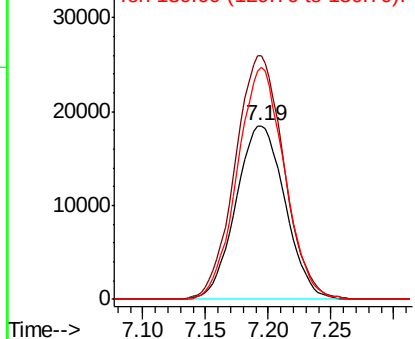
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion:128 Resp: 50388
Ion Ratio Lower Upper
128 100
49 139.7 0.0 355.8
130 128.7 0.0 326.3

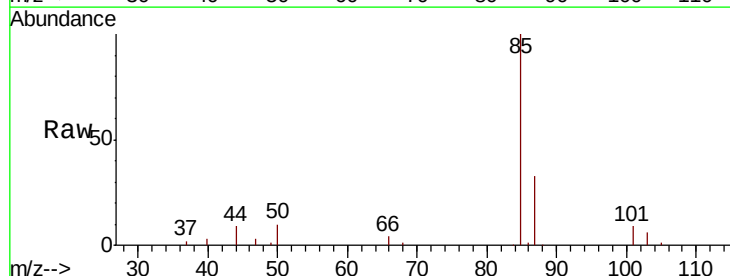


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

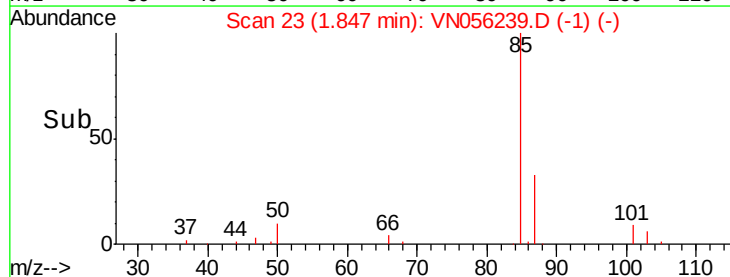
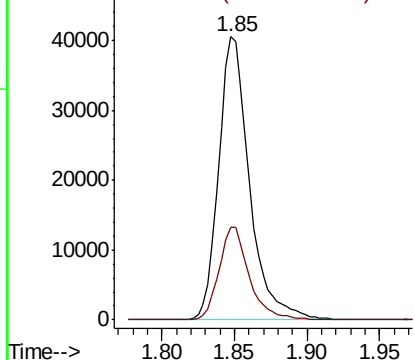


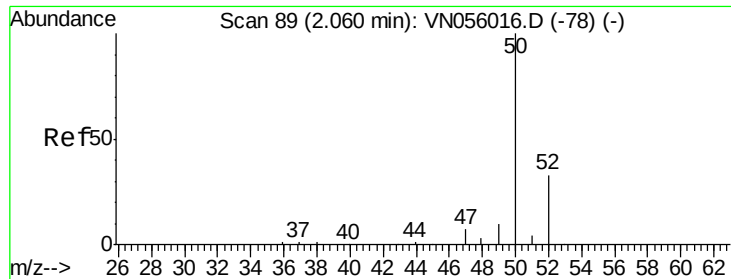
#2
Dichlorodifluoromethane
Concen: 21.073 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 85 Resp: 59722
Ion Ratio Lower Upper
85 100
87 32.8 15.9 47.7



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

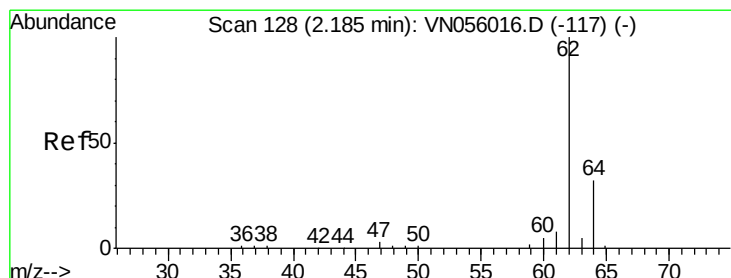
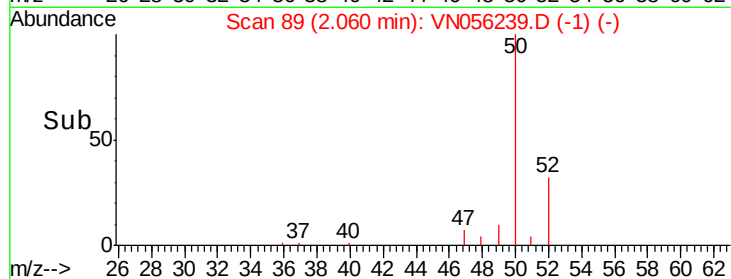
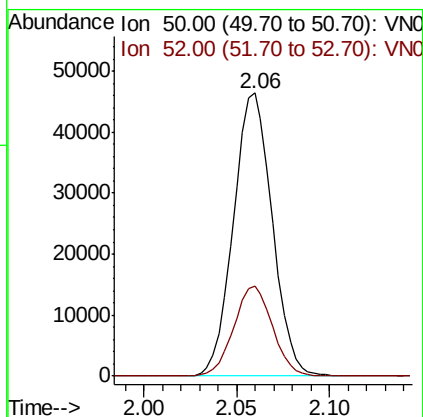
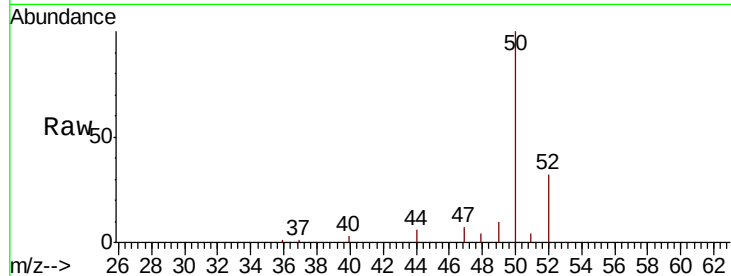




#3
Chloromethane
Concen: 20.336 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

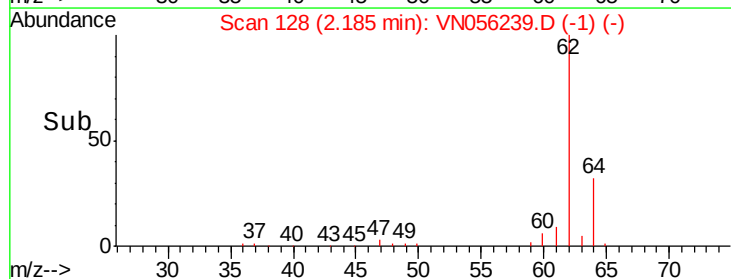
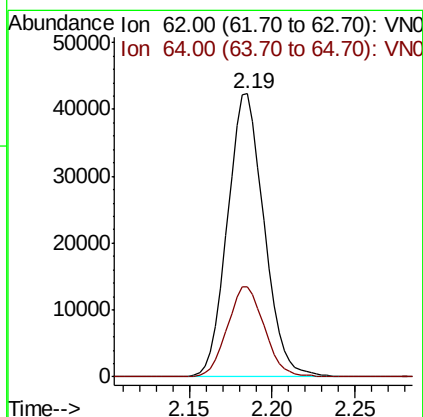
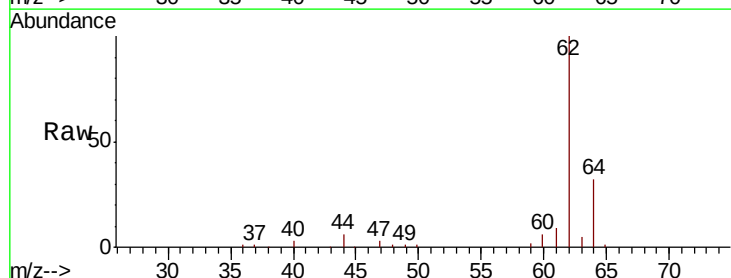
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

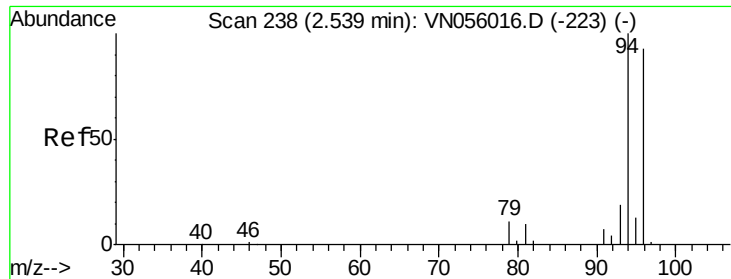
Tot Ion: 50 Resp: 67336
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1



#4
Vinyl Chloride
Concen: 19.303 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 62 Resp: 65169
Ion Ratio Lower Upper
62 100
64 32.0 25.8 38.8





#5

Bromomethane

Concen: 20.551 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

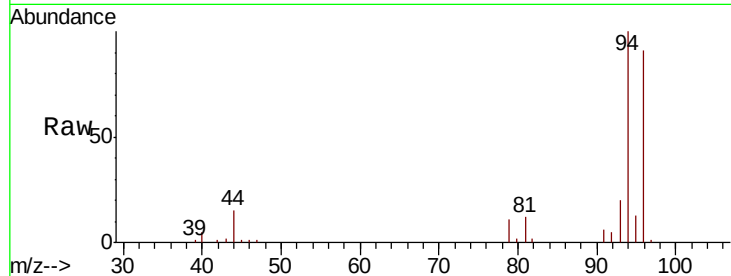
VN0612WBS01

Tot Ion: 94 Resp: 43603

Ion Ratio Lower Upper

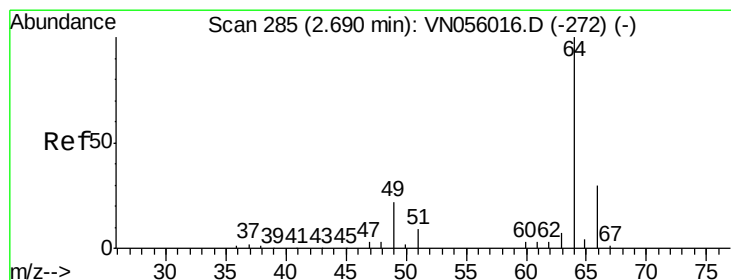
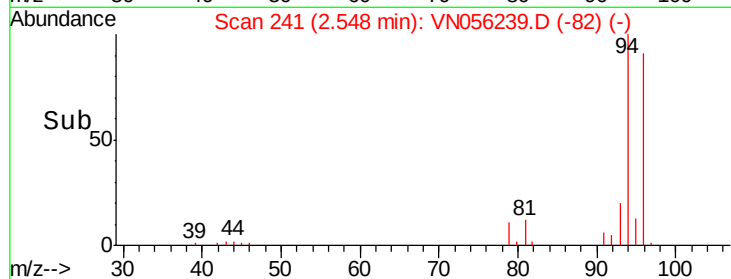
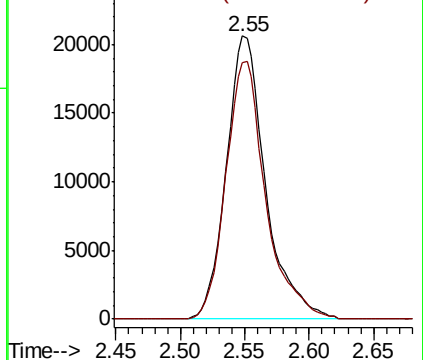
94 100

96 90.8 74.1 111.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.746 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056239.D

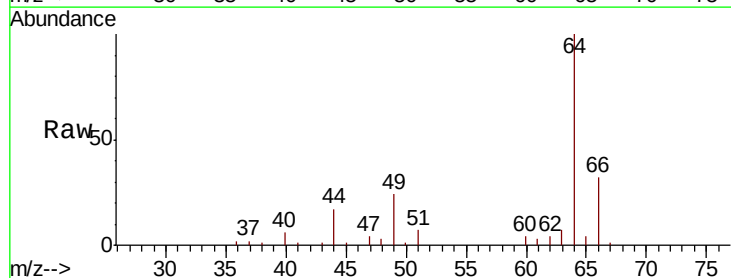
Acq: 12 Jun 2019 10:47

Tgt Ion: 64 Resp: 37706

Ion Ratio Lower Upper

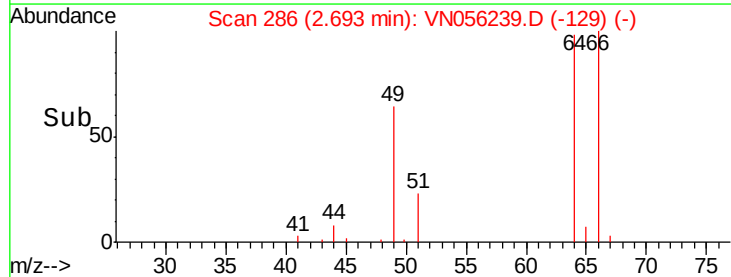
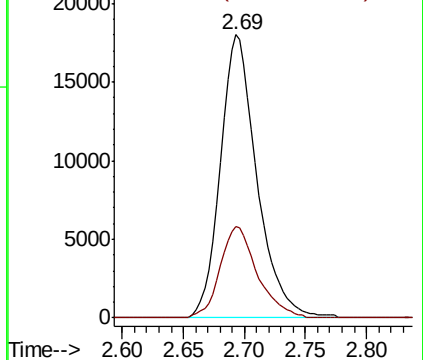
64 100

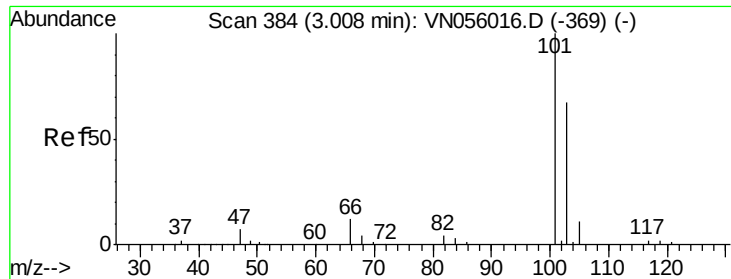
66 32.4 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



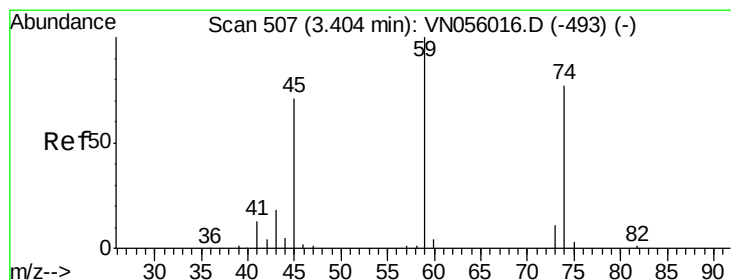
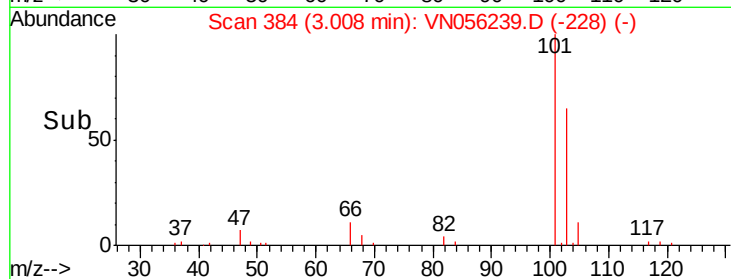
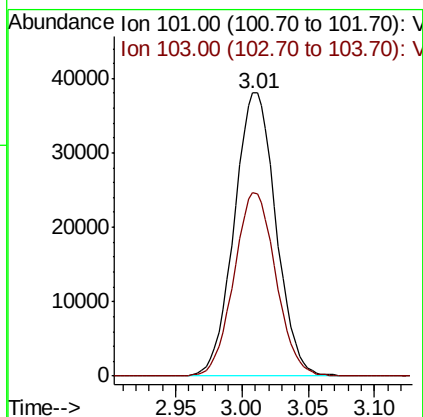
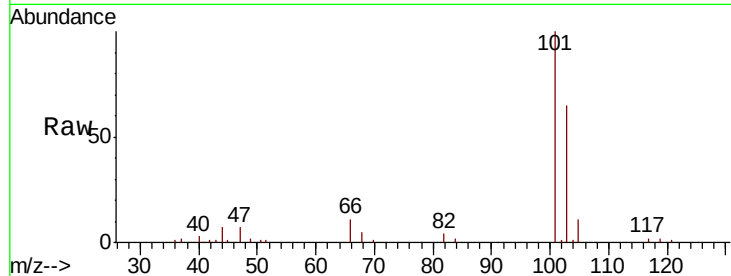


#7

Trichlorofluoromethane
Concen: 19.918 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

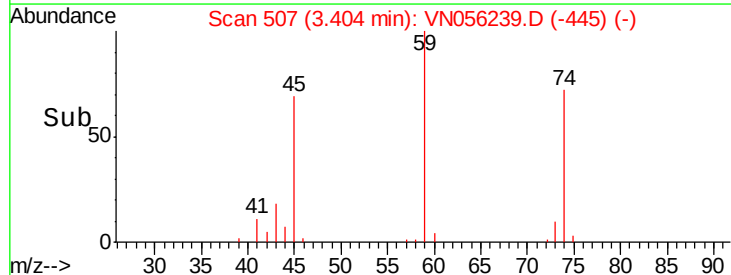
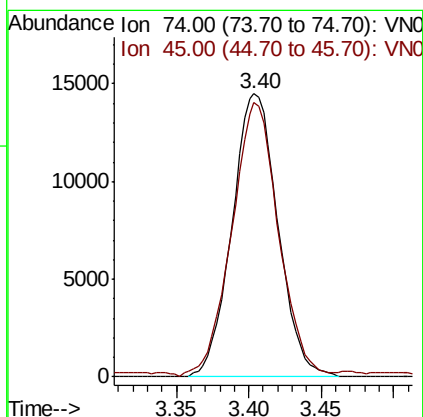
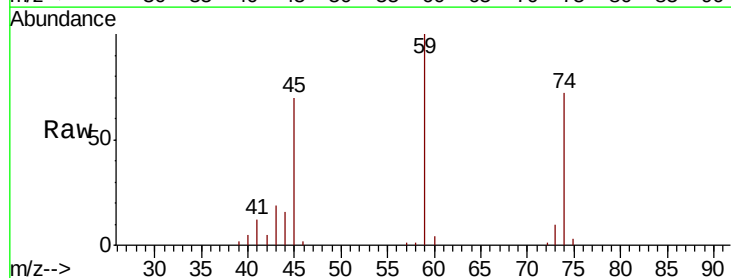
Tot Ion:101 Resp: 83201
Ion Ratio Lower Upper
101 100
103 64.8 53.4 80.0

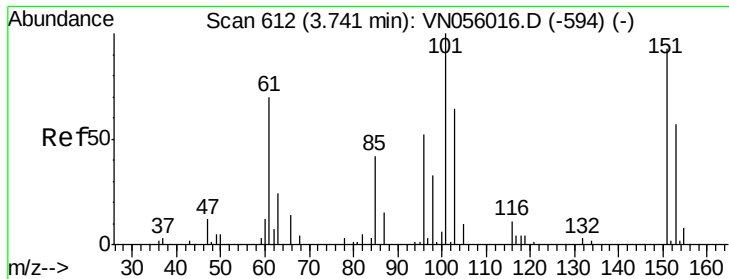


#8

Diethyl Ether
Concen: 17.992 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 74 Resp: 31874
Ion Ratio Lower Upper
74 100
45 99.1 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.993 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

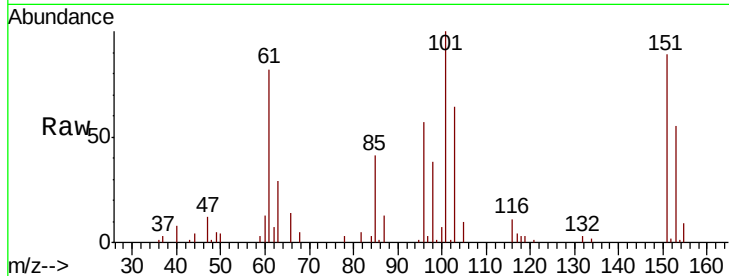
Tot Ion:101 Resp: 51551

Ion Ratio Lower Upper

101 100

85 42.6 0.0 82.0

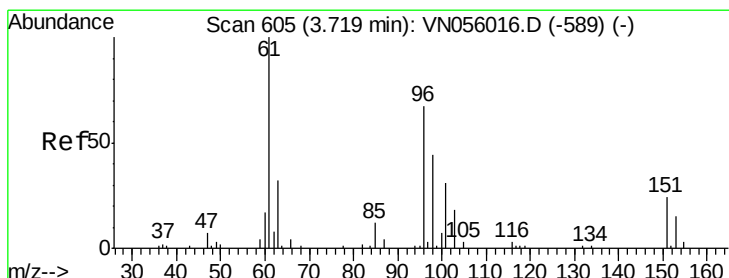
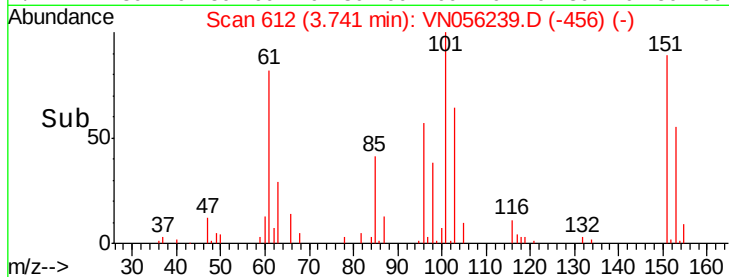
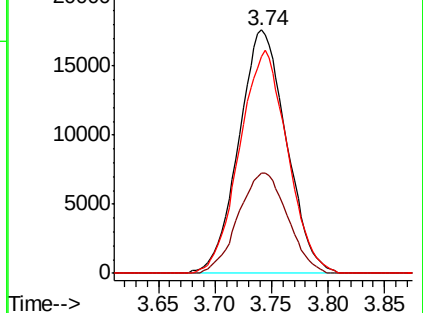
151 92.2 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.212 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

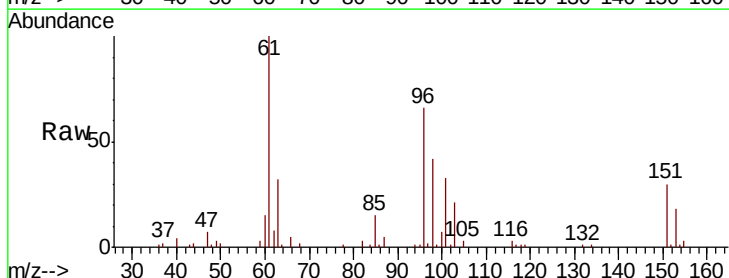
Tgt Ion: 96 Resp: 50533

Ion Ratio Lower Upper

96 100

61 150.2 119.7 179.5

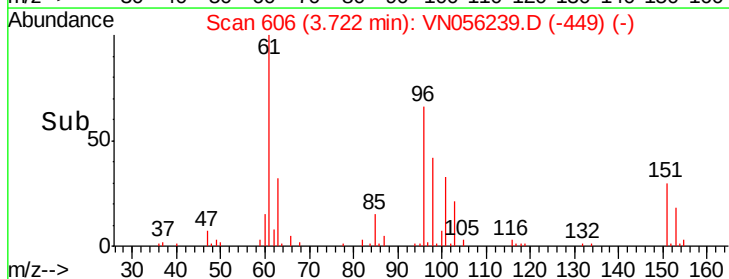
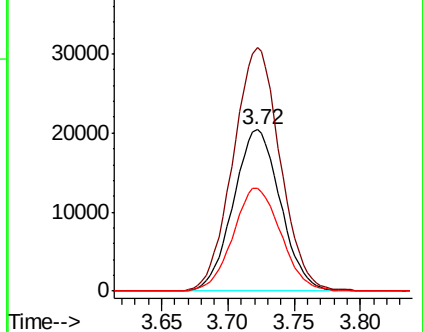
98 63.9 52.3 78.5

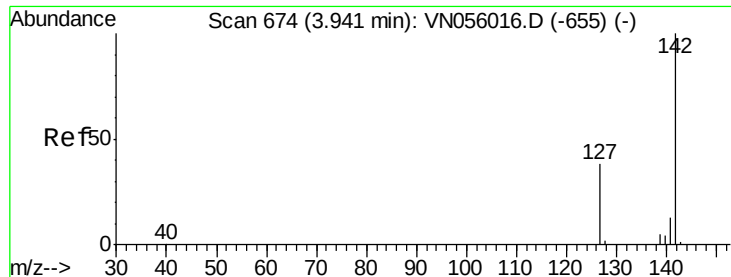


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

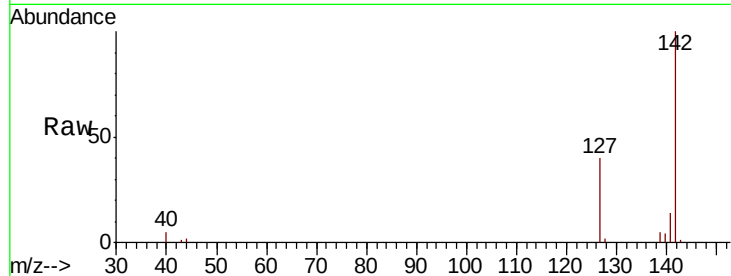




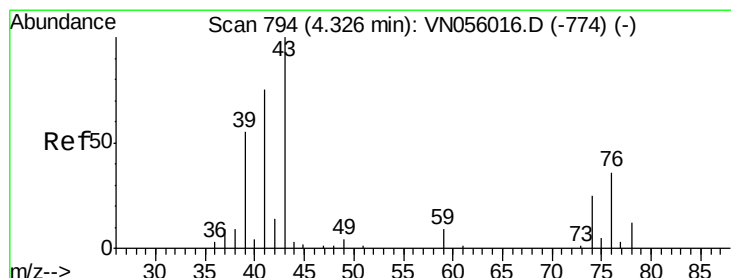
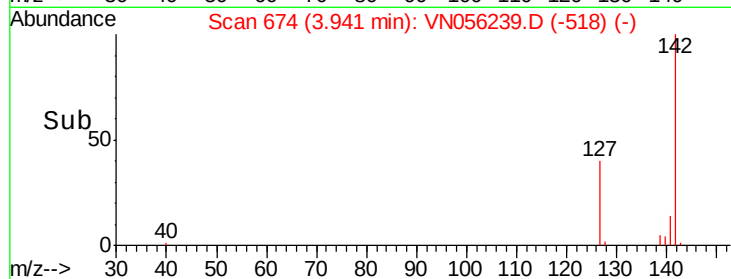
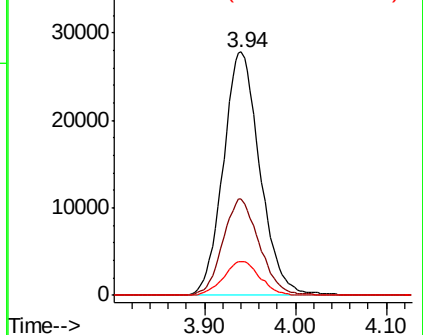
#11
Methvl Iodide
Concen: 18.783 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

Tot Ion:142 Resp: 77946
Ion Ratio Lower Upper
142 100
127 39.7 19.0 57.0
141 13.9 6.7 20.0

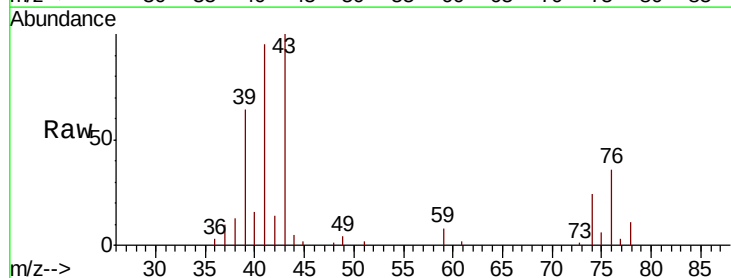


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

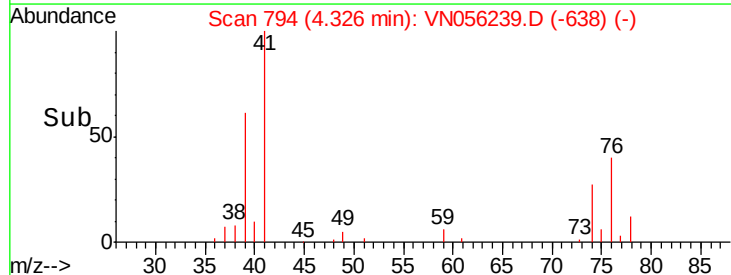
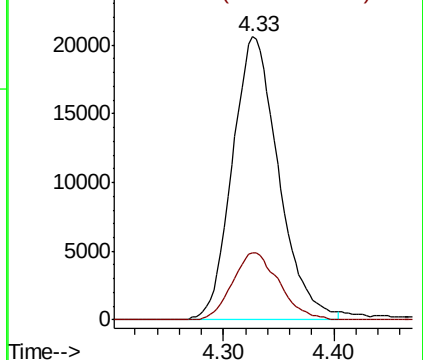


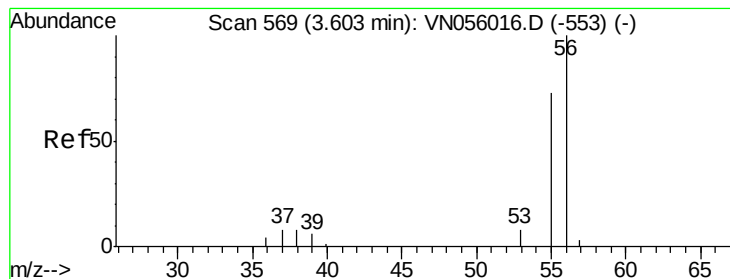
#12
Methyl Acetate
Concen: 18.953 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 59905
Ion Ratio Lower Upper
43 100
74 24.1 19.9 29.9



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





#13

Acrolein

Concen: 99.815 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

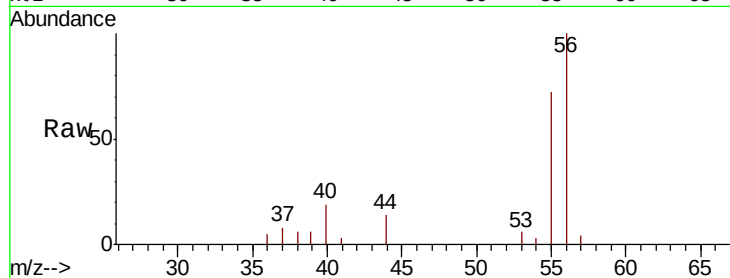
VN0612WBS01

Tot Ion: 56 Resp: 15377

Ion Ratio Lower Upper

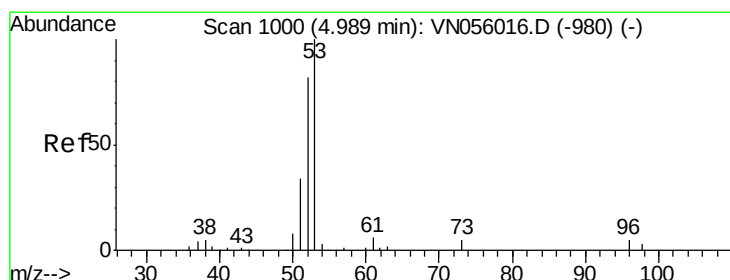
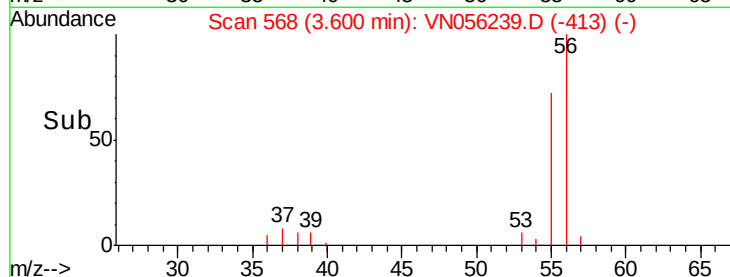
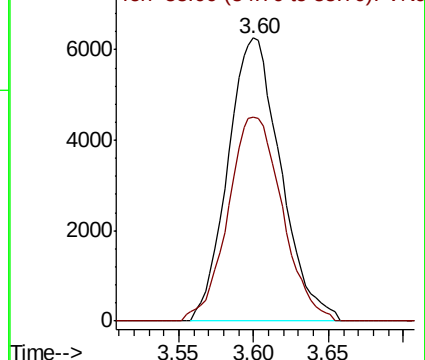
56 100

55 74.0 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.310 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

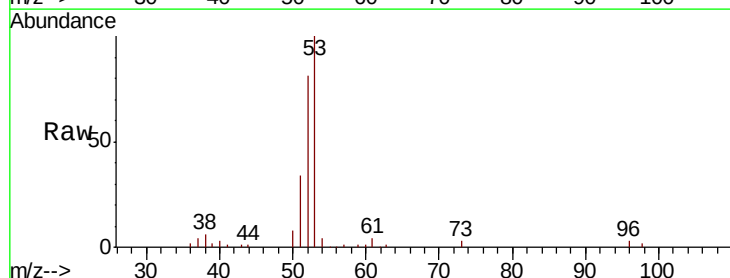
Tgt Ion: 53 Resp: 135750

Ion Ratio Lower Upper

53 100

52 83.2 40.8 122.2

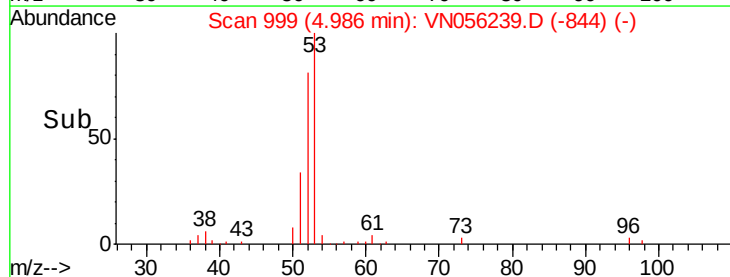
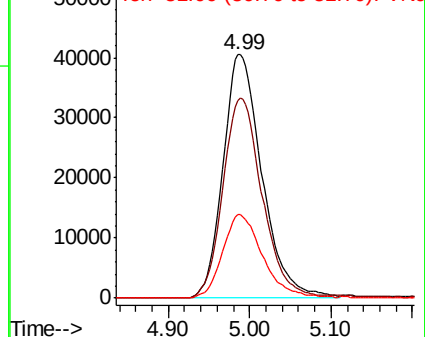
51 34.9 17.3 52.0

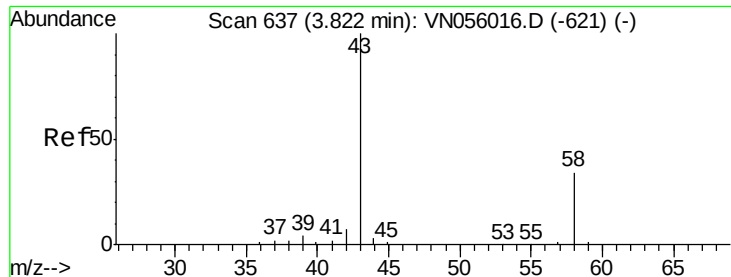


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.452 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

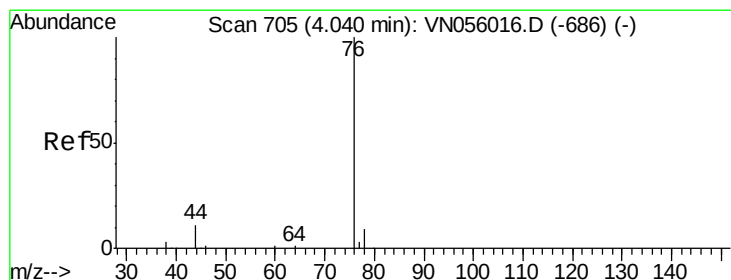
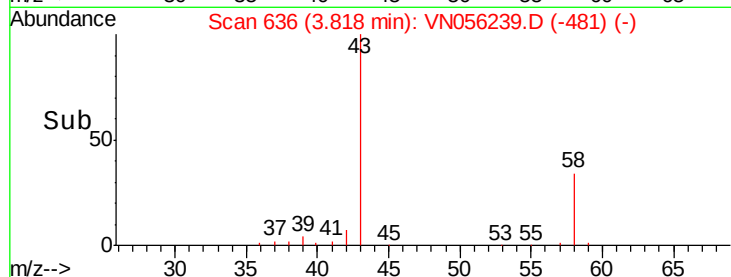
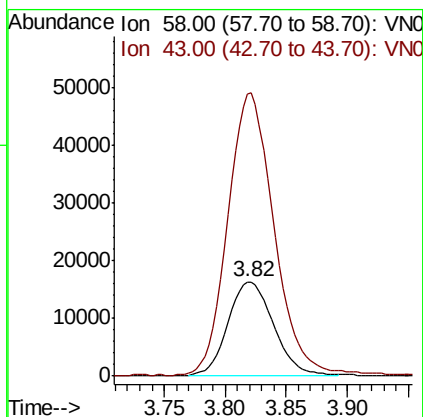
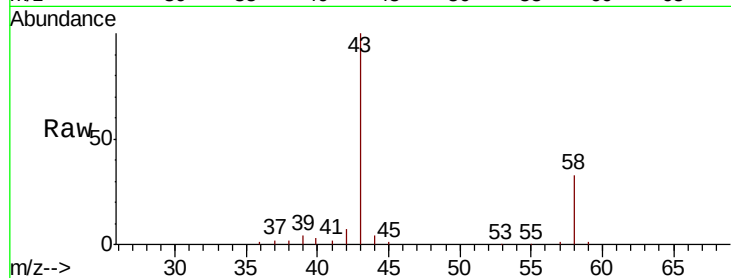
VN0612WBS01

Tot Ion: 58 Resp: 42668

Ion Ratio Lower Upper

58 100

43 296.8 232.5 348.7



#16

Carbon Disulfide

Concen: 19.601 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056239.D

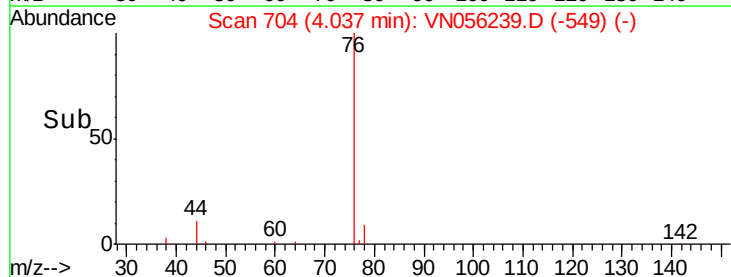
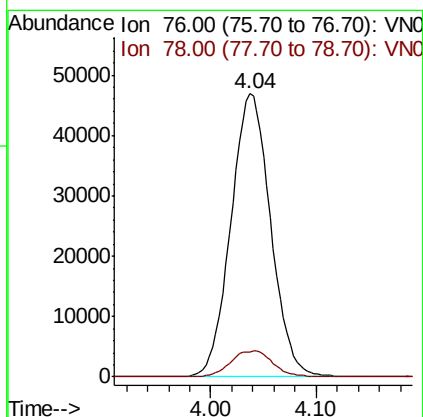
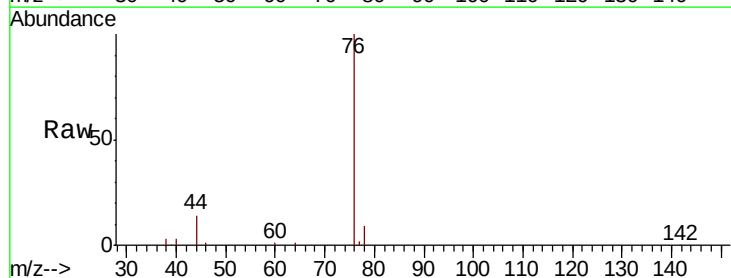
Acq: 12 Jun 2019 10:47

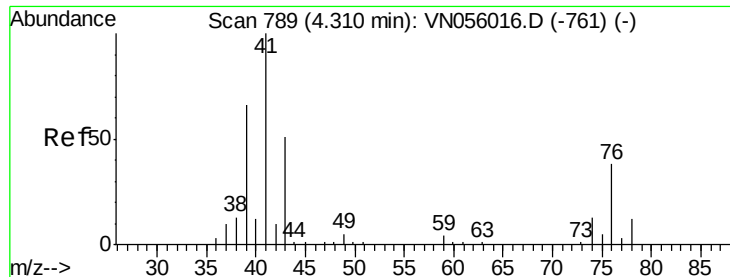
Tgt Ion: 76 Resp: 122669

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

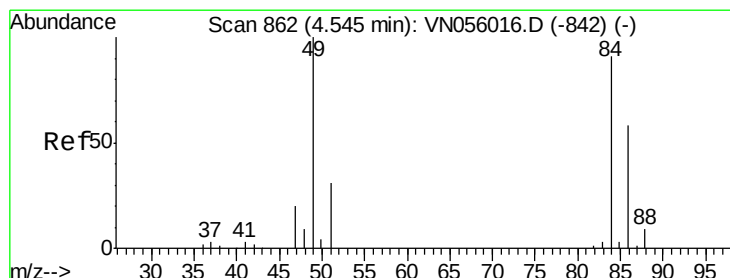
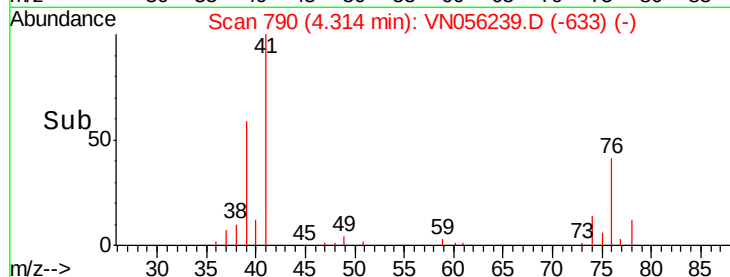
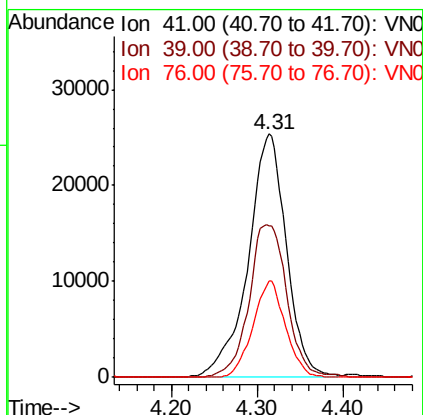
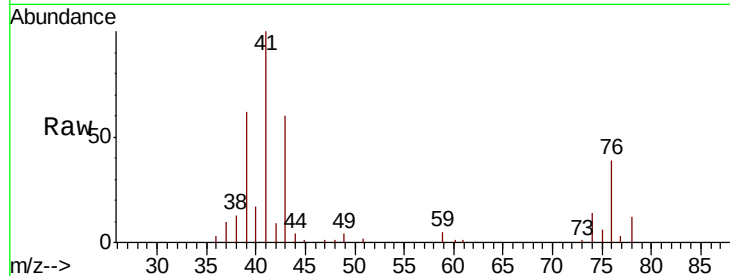




#17
Allvl chloride
Concen: 19.327 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

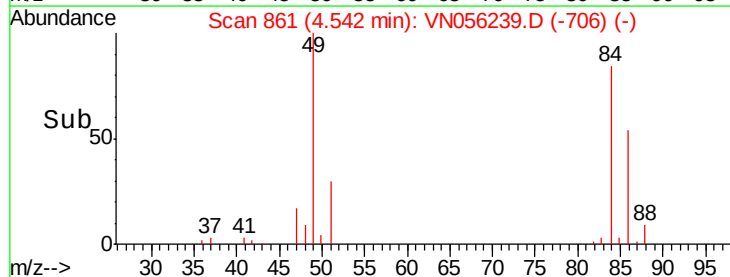
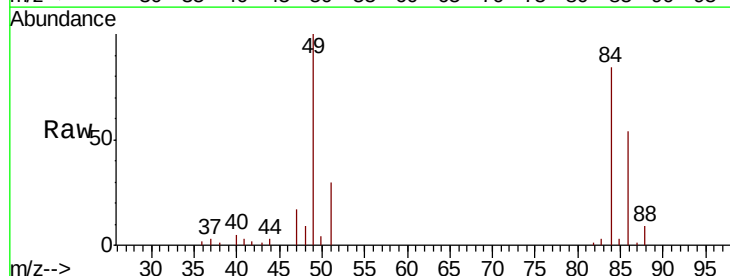
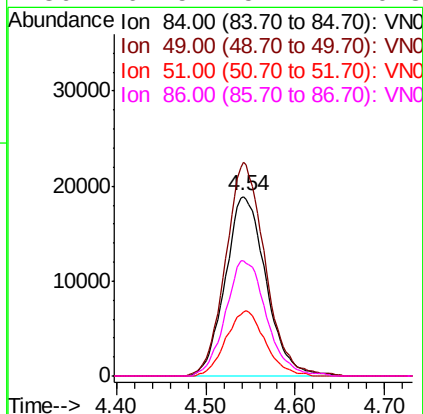
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

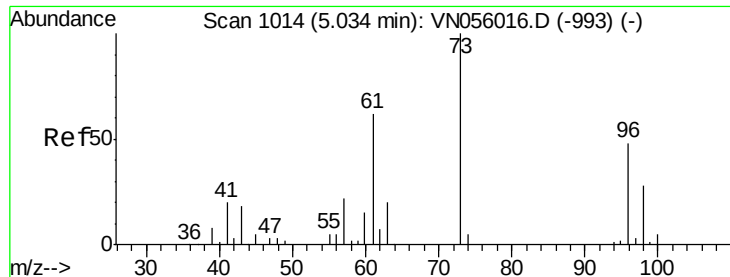
Tot Ion: 41 Resp: 78763
Ion Ratio Lower Upper
41 100
39 62.4 33.0 99.0
76 39.4 18.9 56.9



#18
Methylene Chloride
Concen: 19.671 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 84 Resp: 59899
Ion Ratio Lower Upper
84 100
49 118.3 87.6 131.4
51 35.7 27.0 40.4
86 64.5 51.2 76.8

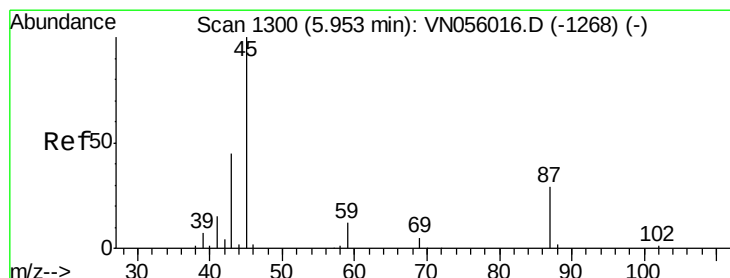
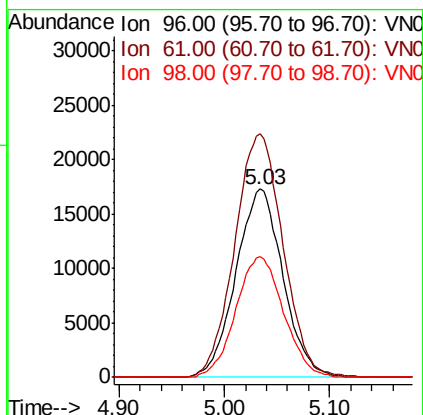
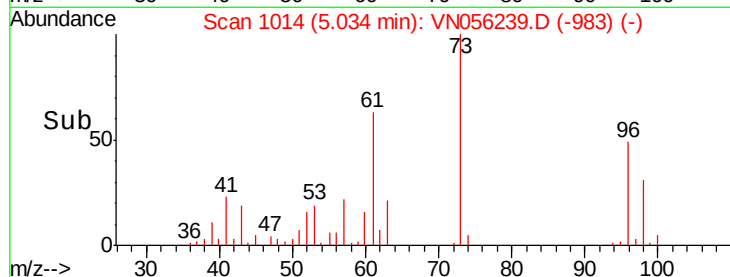
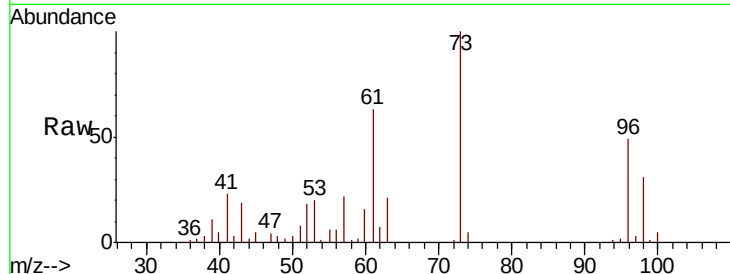




#19
trans-1,2-Dichloroethene
Concen: 19.126 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

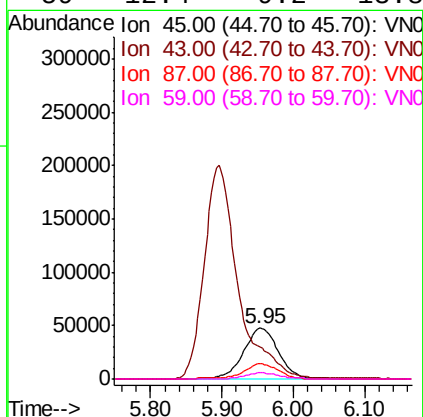
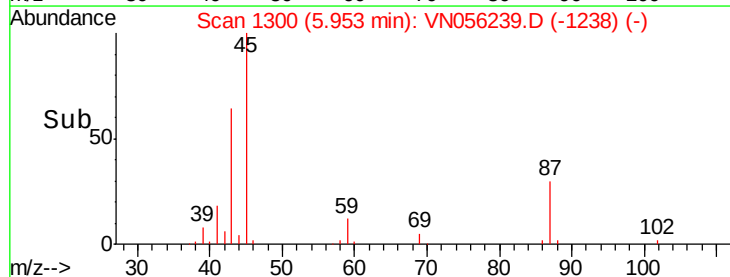
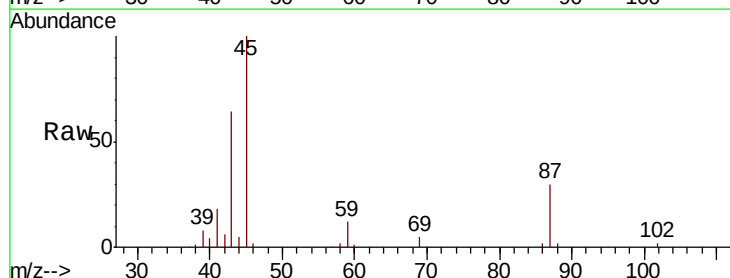
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

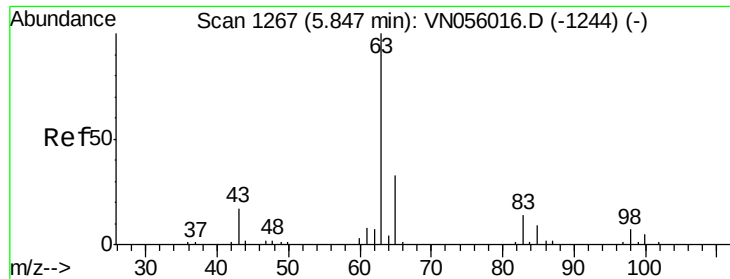
Tot Ion: 96 Resp: 53698
Ion Ratio Lower Upper
96 100
61 129.3 102.5 153.7
98 64.0 46.9 70.3



#20
Diisopropyl ether
Concen: 19.431 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 45 Resp: 164061
Ion Ratio Lower Upper
45 100
43 61.5 48.0 72.0
87 30.4 23.4 35.2
59 12.4 9.2 13.8





#21

1,1-Dichloroethane

Concen: 19.494 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

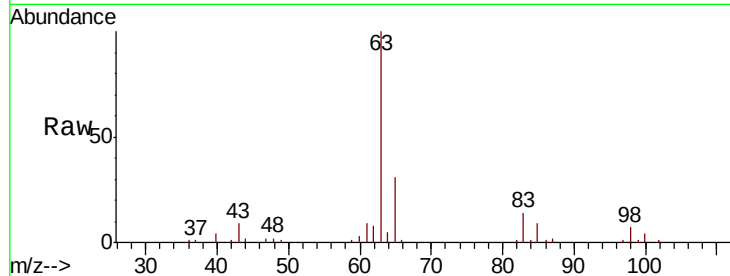
Tot Ion: 63 Resp: 95656

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

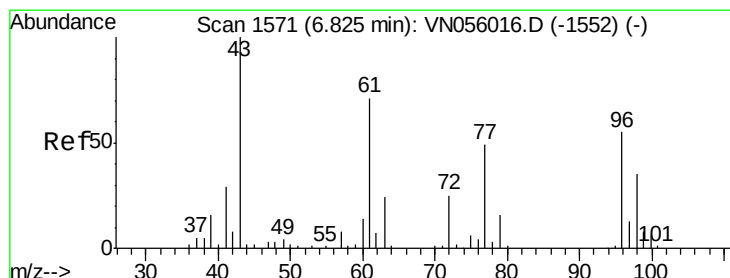
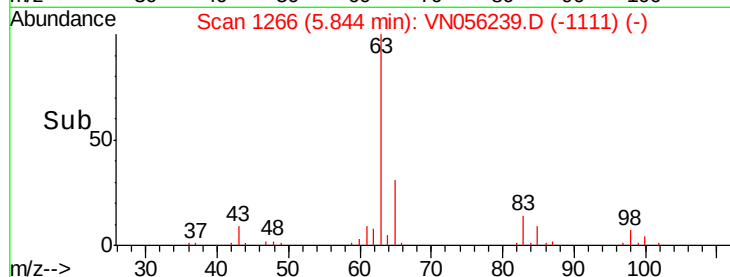
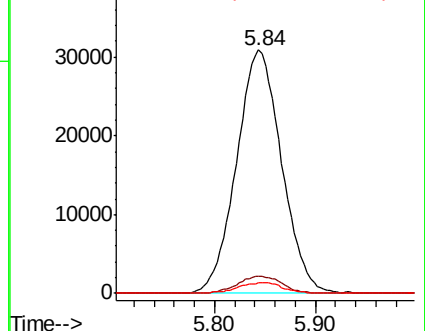
100 4.2 2.3 6.9



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: 19.336 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

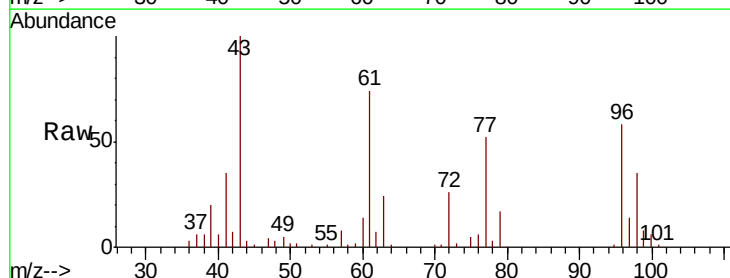
Tgt Ion: 96 Resp: 63363

Ion Ratio Lower Upper

96 100

61 133.1 105.7 158.5

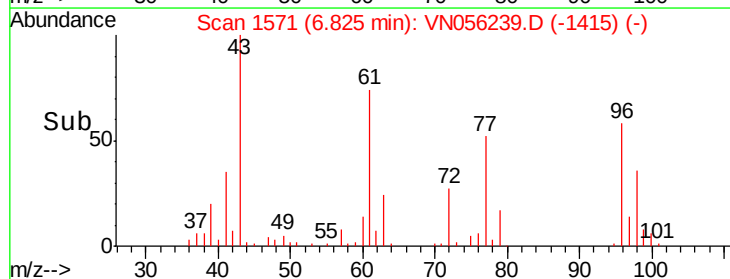
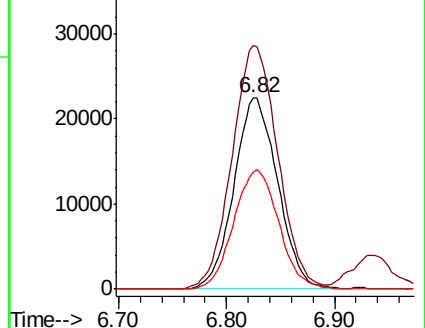
98 63.9 52.0 78.0

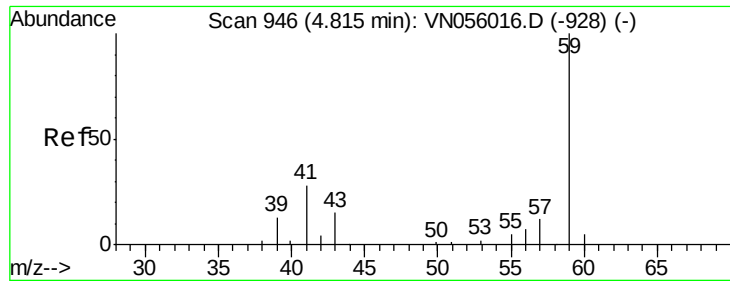


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

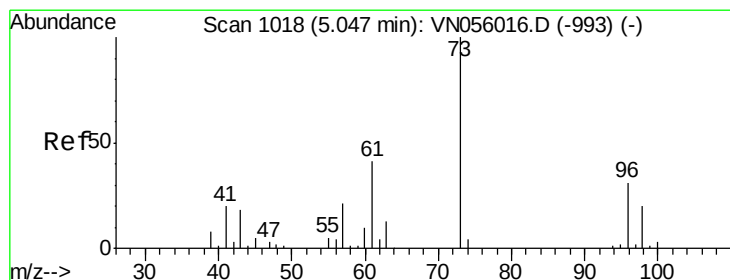
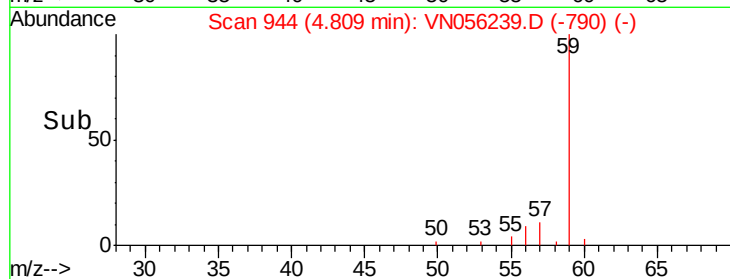
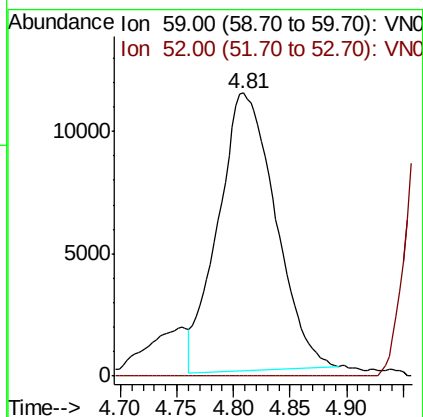
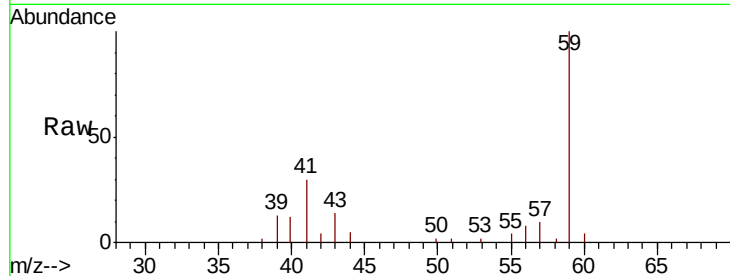




#23
 tert-Butyl Alcohol
 Concen: 72.496 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

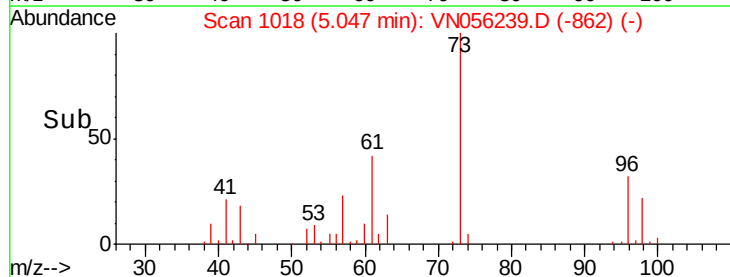
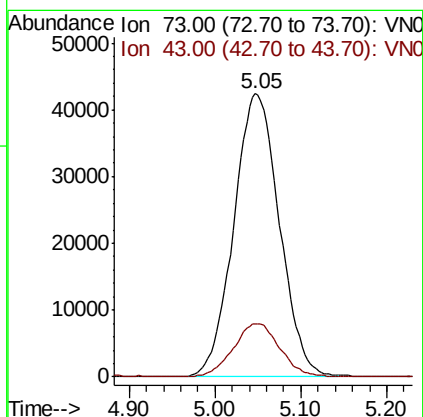
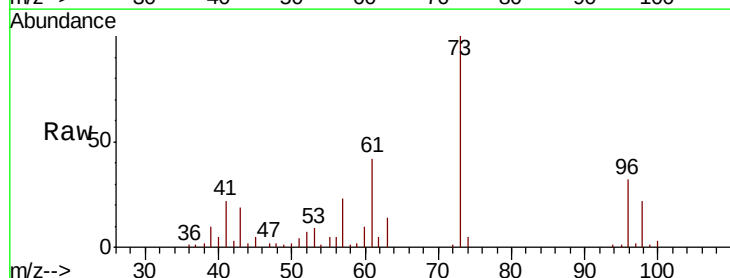
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS01

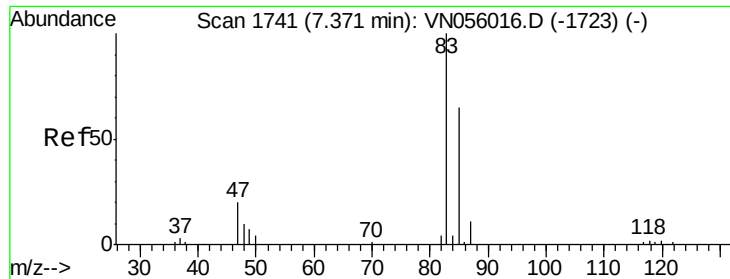
Tot Ion: 59 Resp: 39774
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 18.668 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 73 Resp: 156479
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.4 23.0

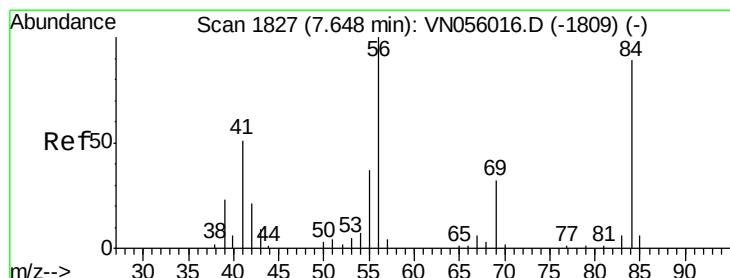
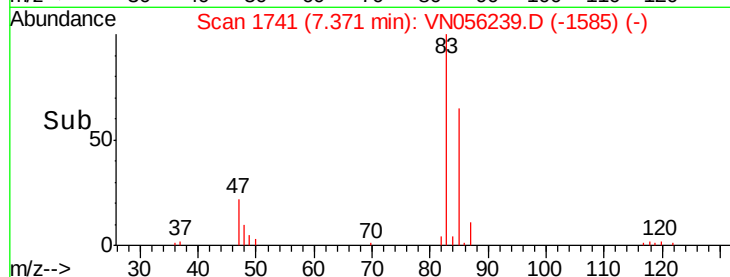
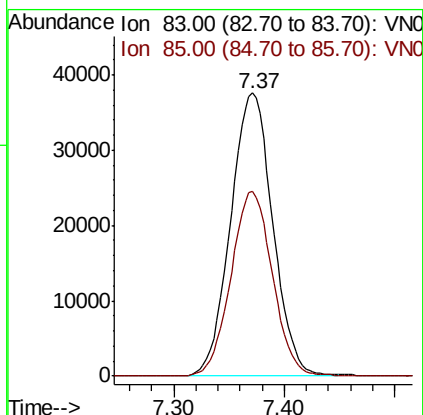
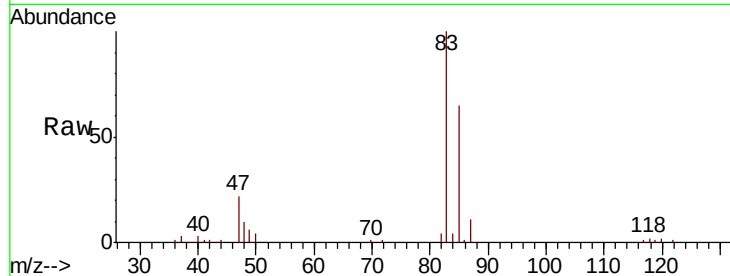




#25
Chloroform
Concen: 20.295 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

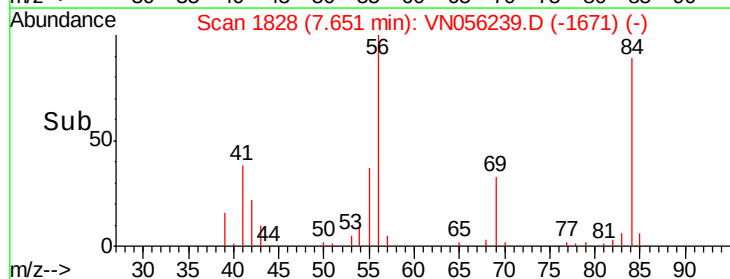
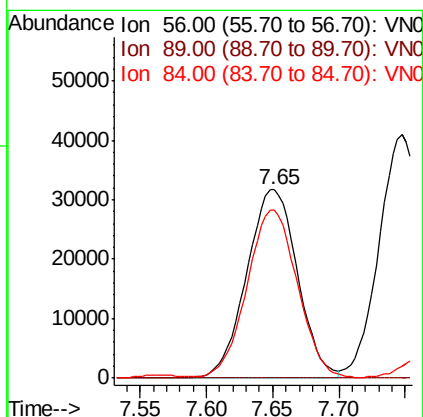
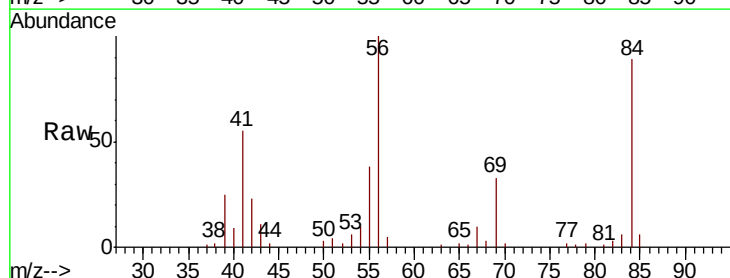
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

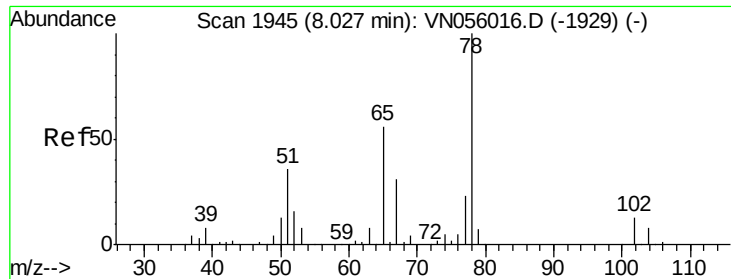
Tot Ion: 83 Resp: 99443
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0



#26
Cyclohexane
Concen: 18.616 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 56 Resp: 84749
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.8 70.1 105.1

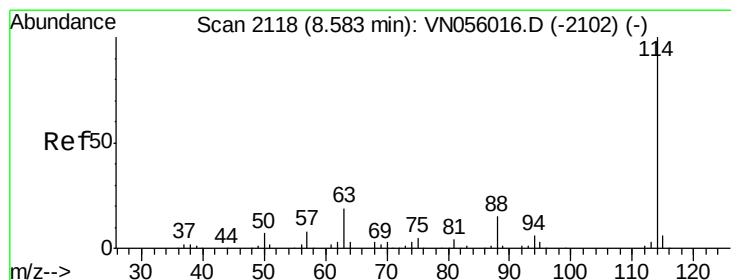
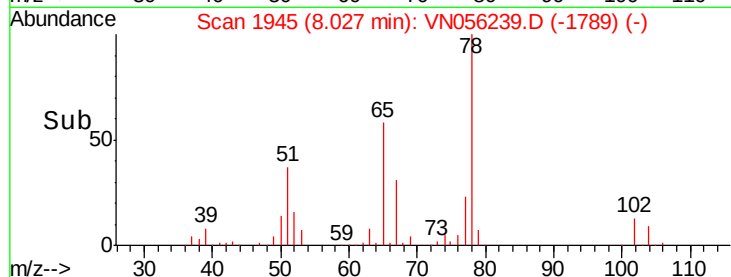
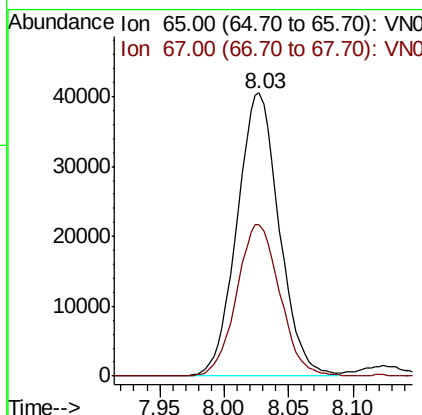
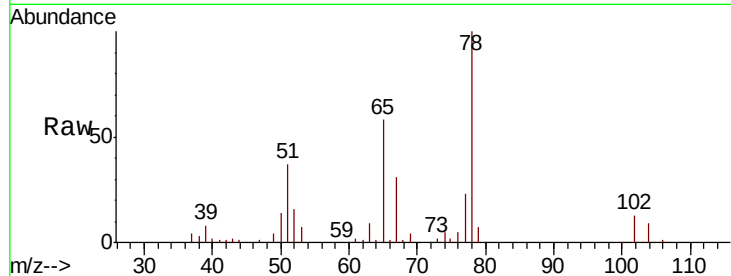




#27
 1,2-Dichloroethane-d4
 Concen: 29.536 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

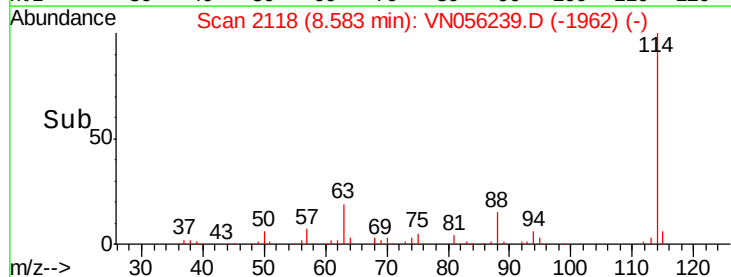
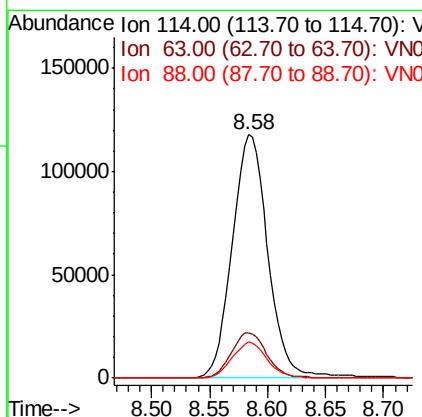
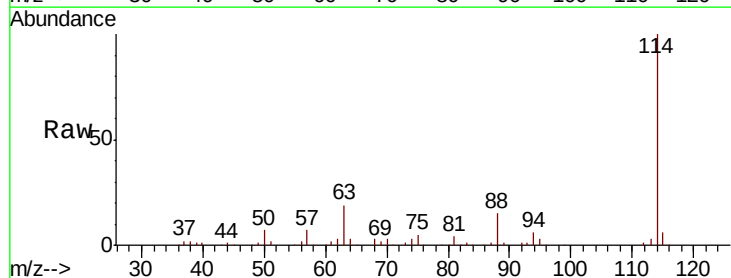
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

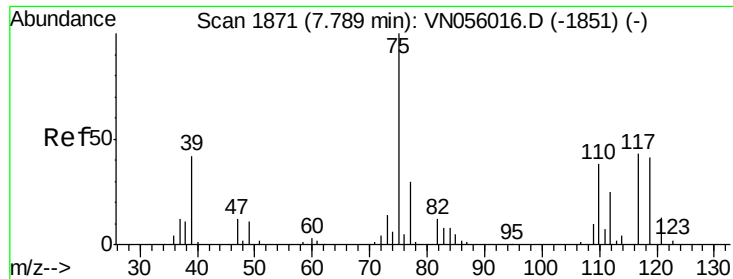
Tot Ion: 65 Resp: 92419
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 114 Resp: 251085
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 14.4 11.9 17.9

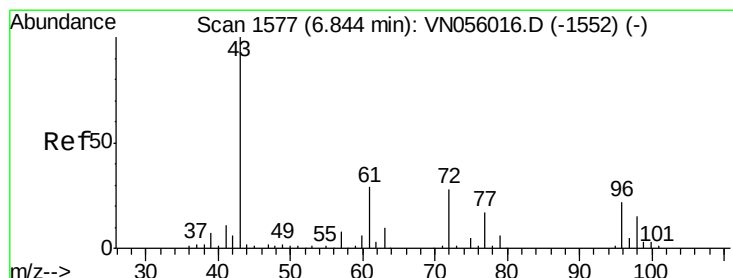
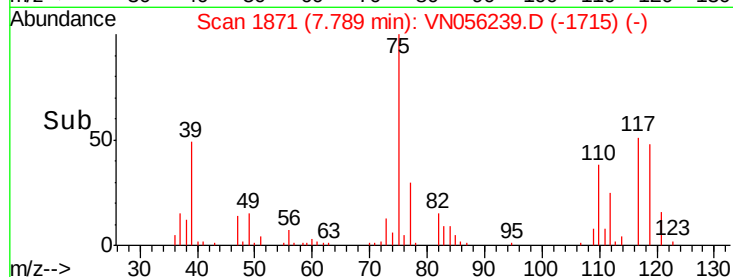
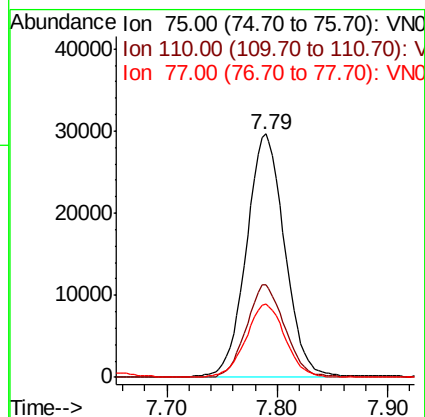
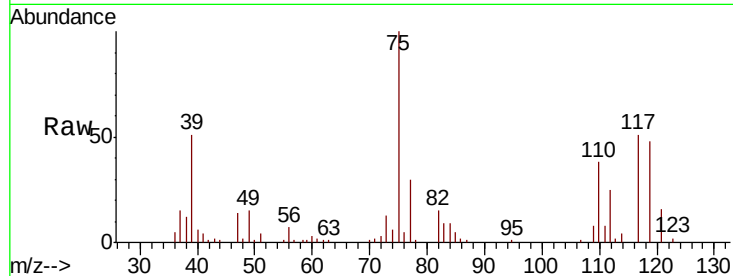




#29
 1,1-Dichloropropene
 Concen: 21.029 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

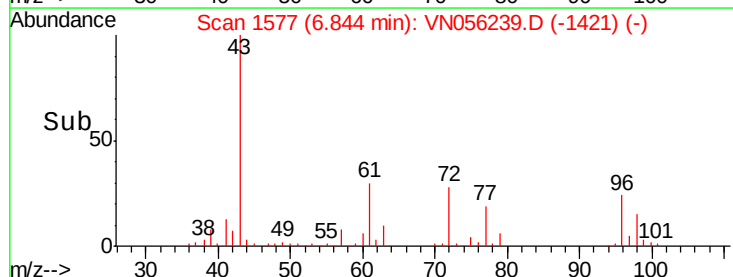
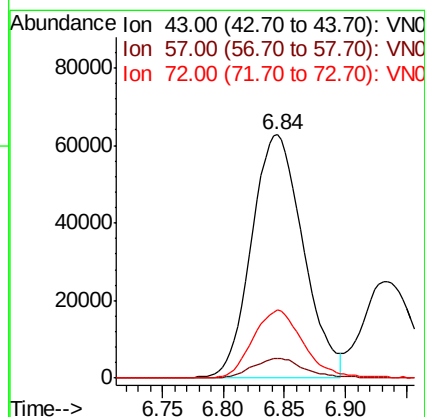
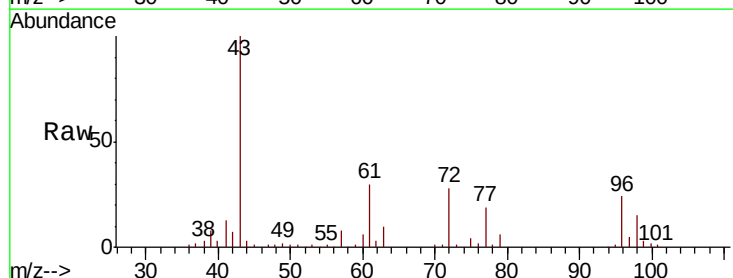
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

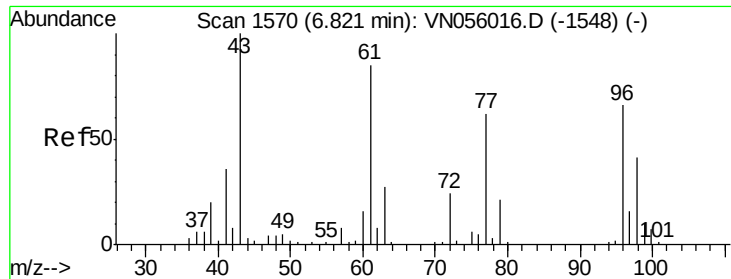
Tot Ion: 75 Resp: 71422
 Ion Ratio Lower Upper
 75 100
 110 37.9 0.0 77.0
 77 30.7 0.0 62.4



#30
 2-Butanone
 Concen: 102.576 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 183407
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.7 10.1
 72 27.6 22.4 33.6

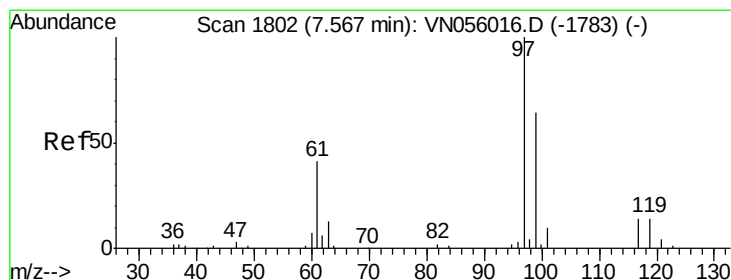
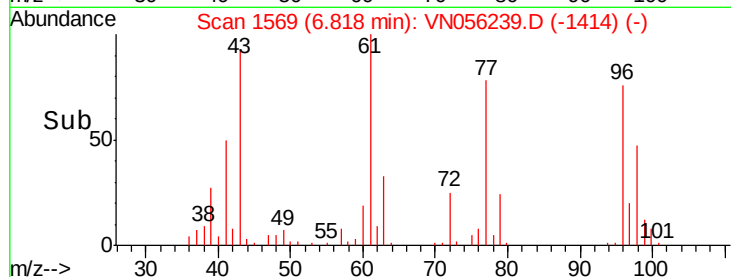
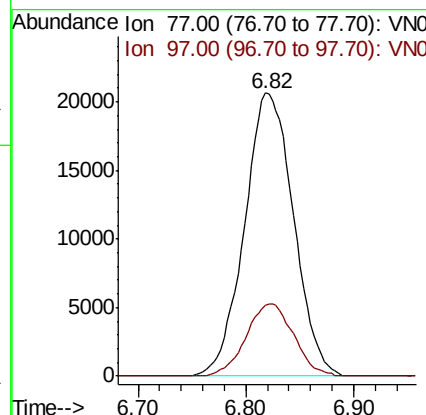
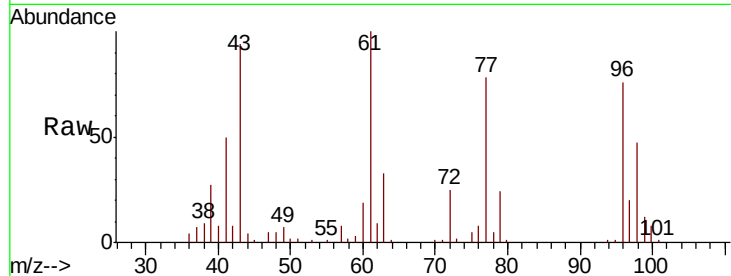




#31
 2,2-Dichloropropane
 Concen: 20.624 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

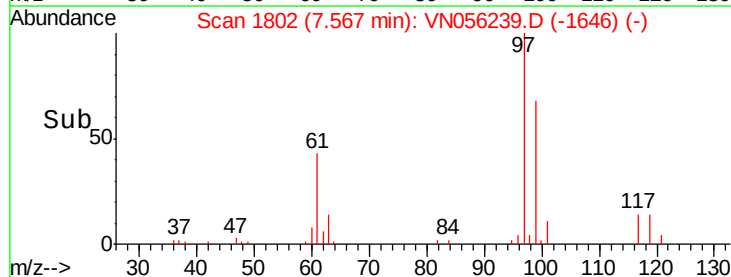
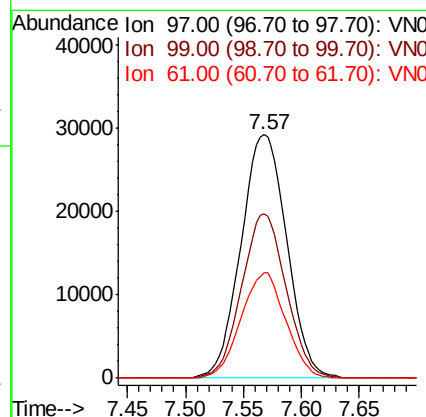
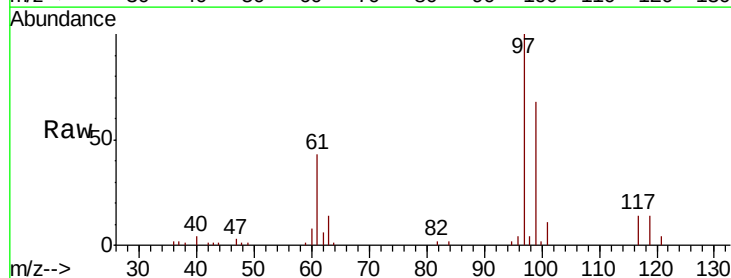
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

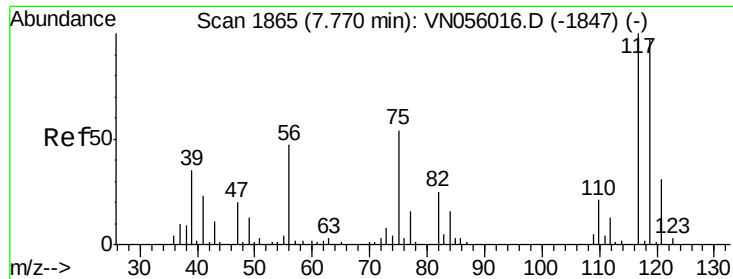
Tot Ion: 77 Resp: 65162
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 21.379 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 97 Resp: 80222
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.5 77.3
 61 42.2 32.9 49.3

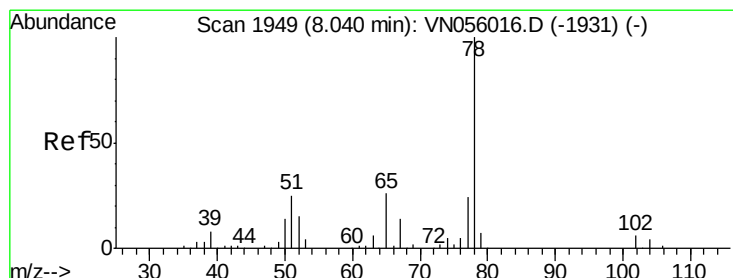
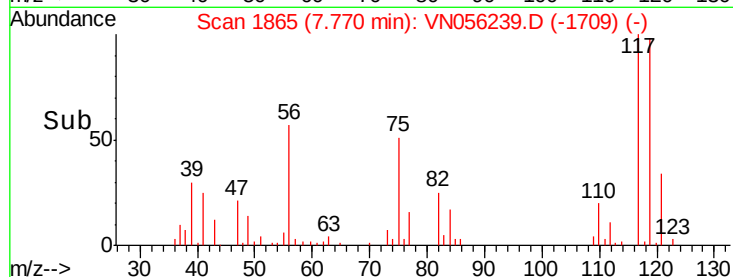
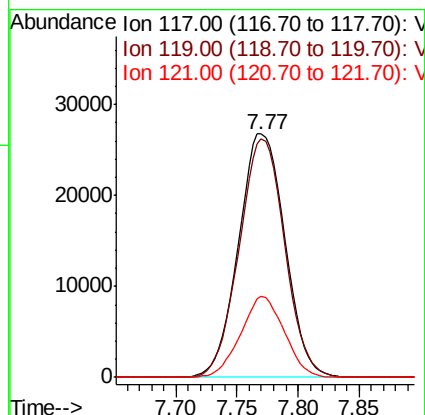
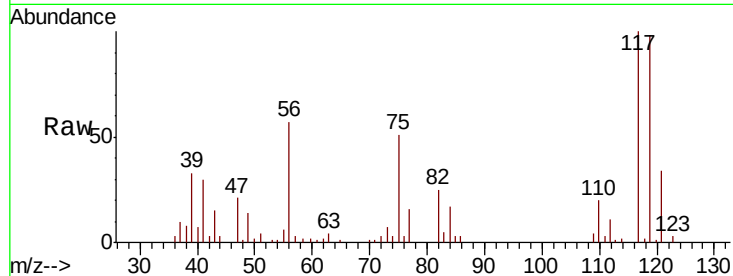




#33
Carbon Tetrachloride
Concen: 22.226 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

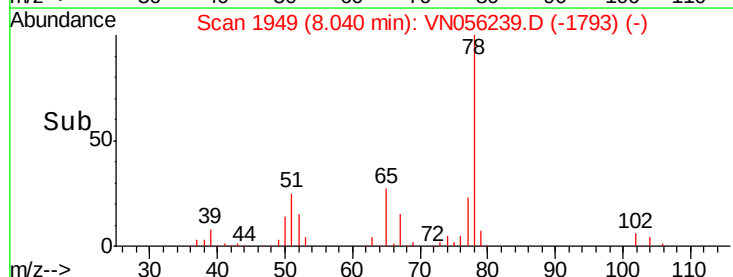
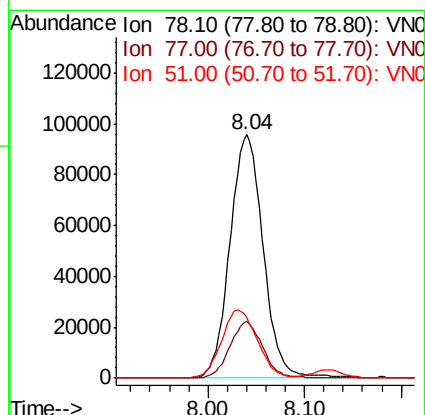
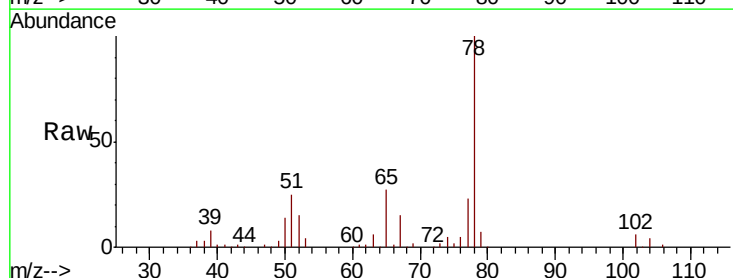
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

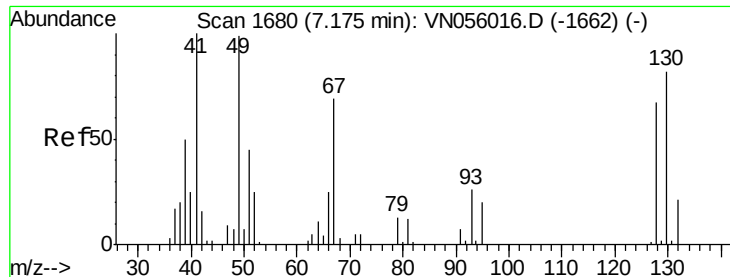
Tot Ion:117 Resp: 70660
Ion Ratio Lower Upper
117 100
119 97.9 77.3 115.9
121 33.5 25.0 37.4



#34
Benzene
Concen: 21.097 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 78 Resp: 228307
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
51 24.7 19.8 29.8

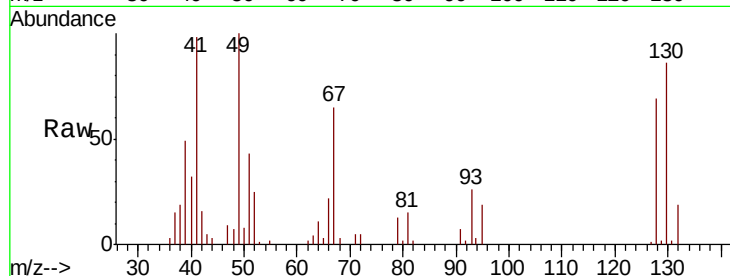




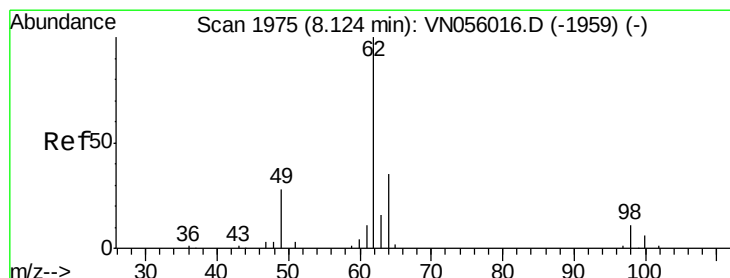
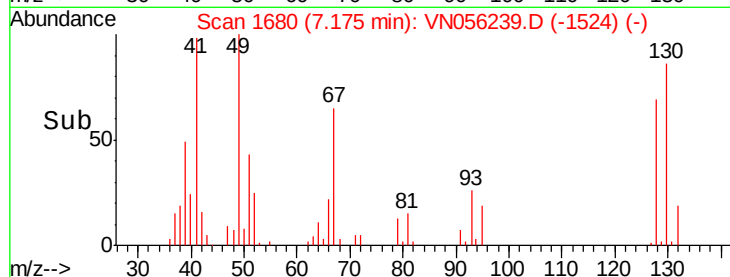
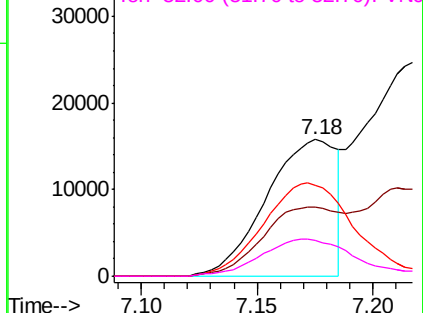
#35
Methacrylonitrile
Concen: 21.949 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

Tot Ion:	41	Resp:	33140
Ion	Ratio	Lower	Upper
41	100		
39	50.6	24.8	74.3
67	67.0	34.3	102.9
52	26.0	12.6	37.8

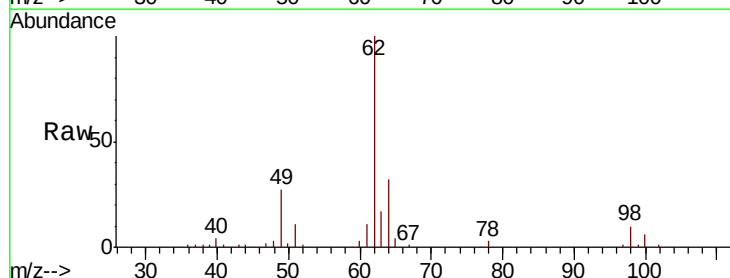


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

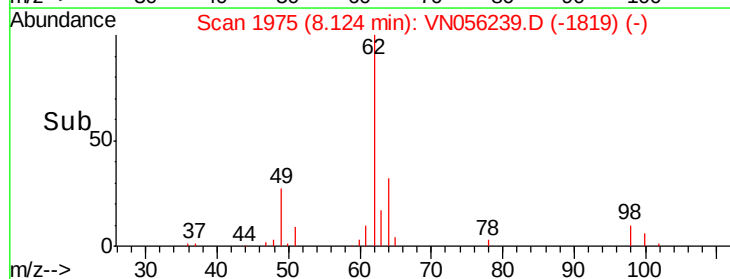
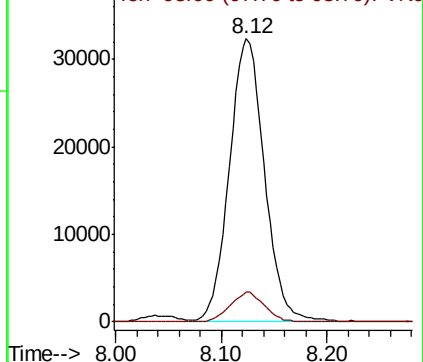


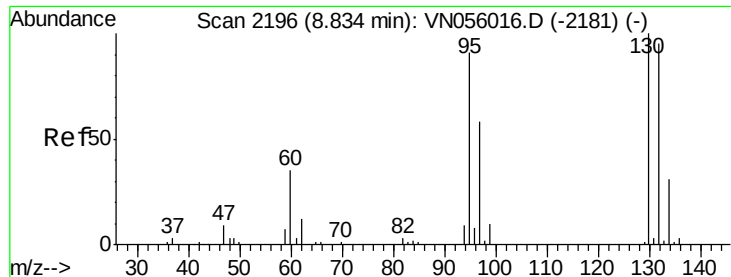
#36
1,2-Dichloroethane
Concen: 22.091 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:	62	Resp:	74881
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.6	13.0



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

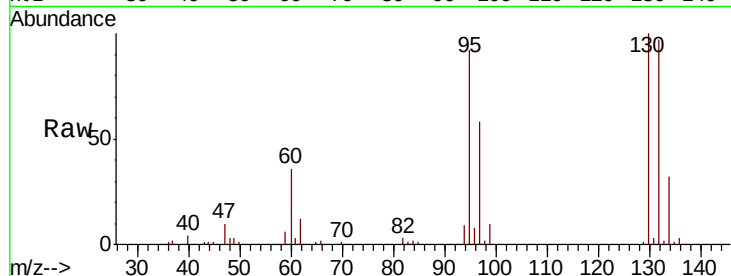




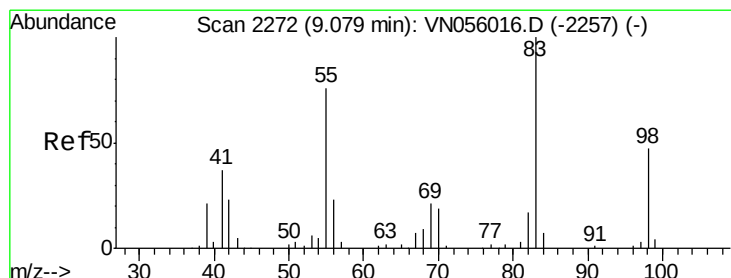
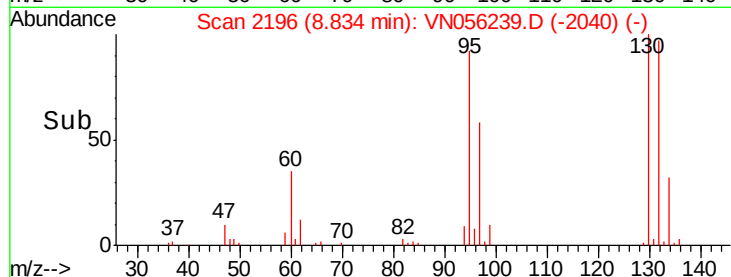
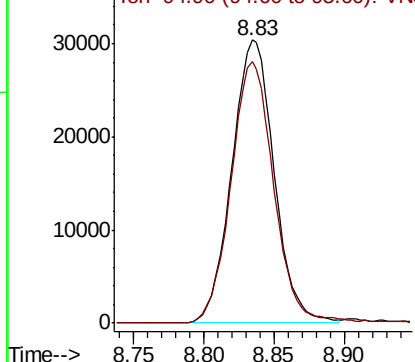
#37
 Trichloroethene
 Concen: 21.061 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion:130 Resp: 63777
 Ion Ratio Lower Upper
 130 100
 95 92.3 73.0 109.6

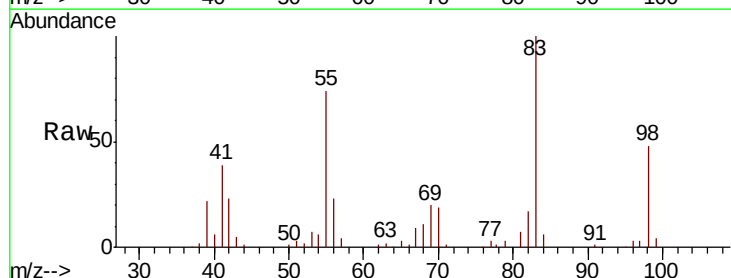


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

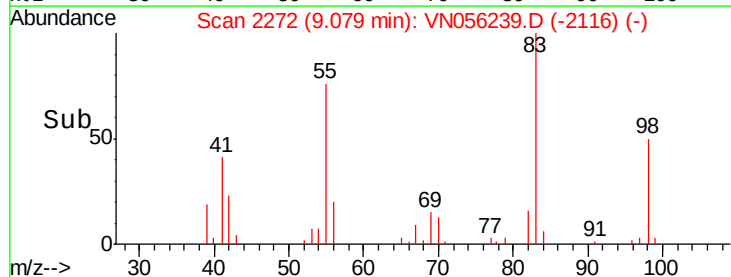
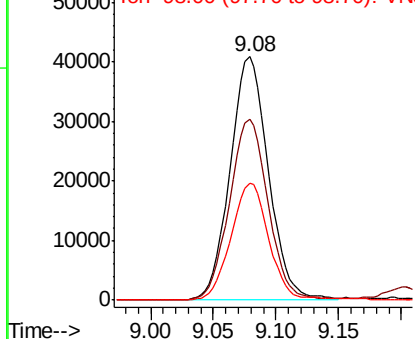


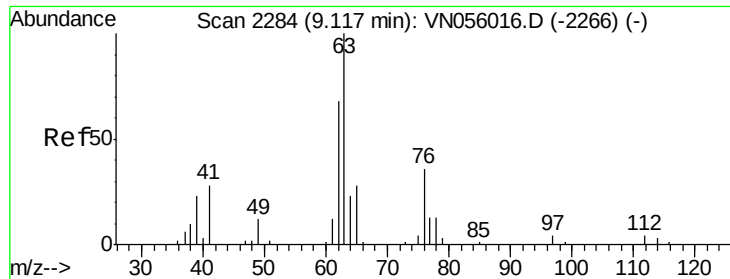
#38
 Methylcyclohexane
 Concen: 20.168 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 83 Resp: 86839
 Ion Ratio Lower Upper
 83 100
 55 74.4 37.5 112.7
 98 47.5 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: 21.440 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

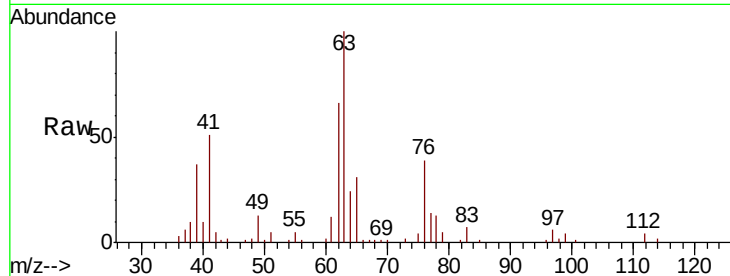
VN0612WBS01

Tot Ion: 63 Resp: 59423

Ion Ratio Lower Upper

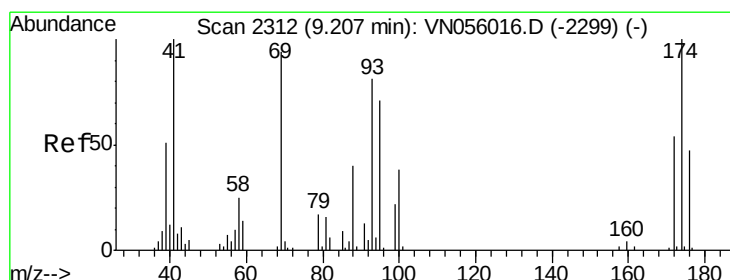
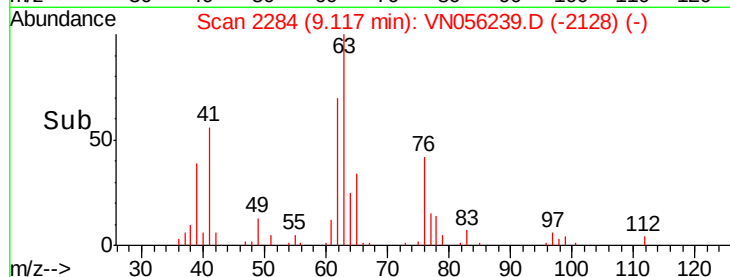
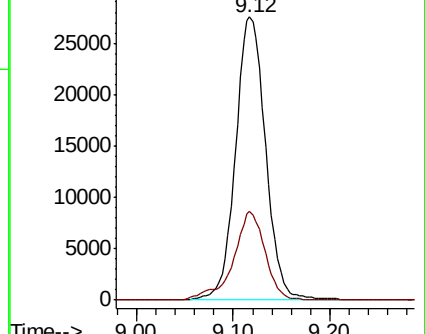
63 100

65 31.3 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.541 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

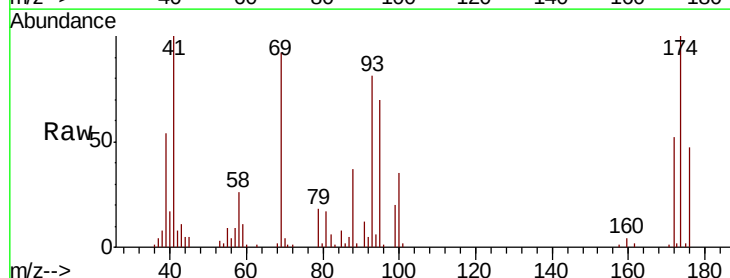
Tgt Ion: 93 Resp: 39584

Ion Ratio Lower Upper

93 100

95 84.9 0.0 169.0

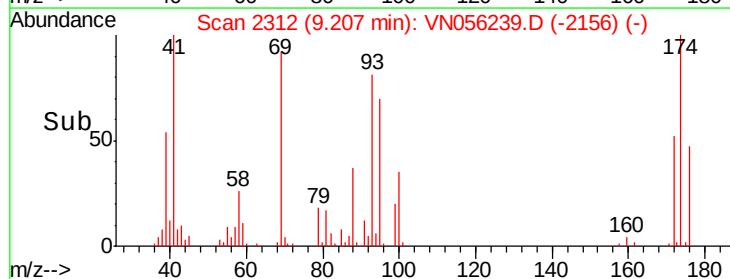
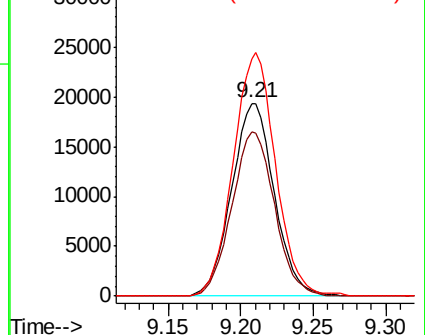
174 125.1 0.0 246.4

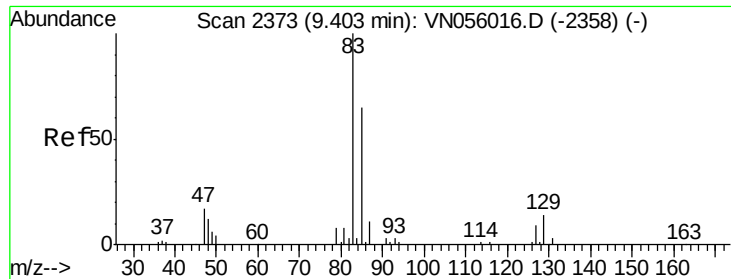


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 22.078 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

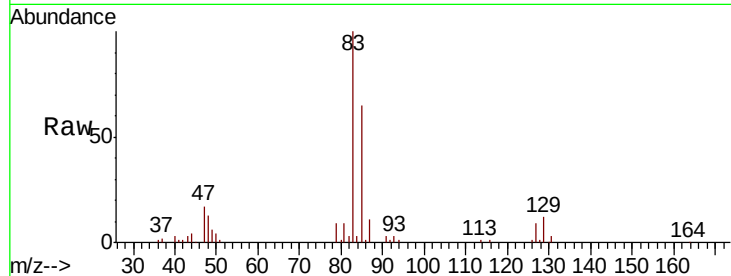
Tot Ion: 83 Resp: 72649

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6

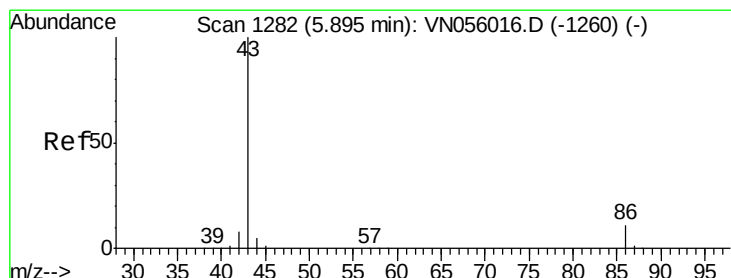
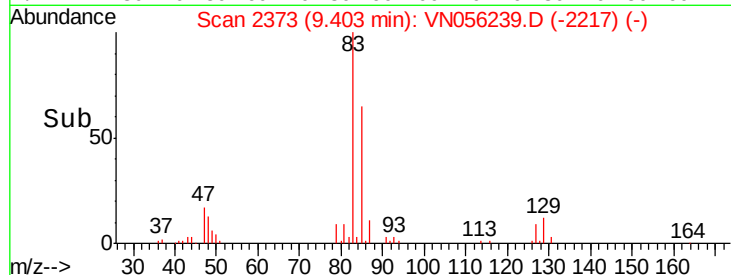
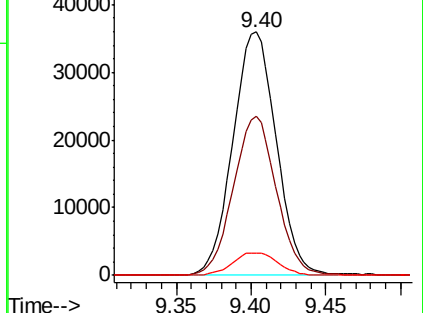
127 9.0 7.3 10.9



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: 103.371 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056239.D

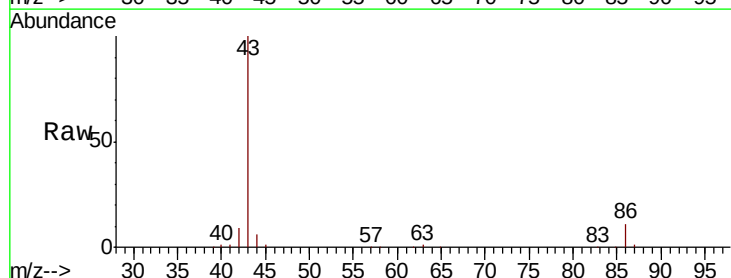
Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 658941

Ion Ratio Lower Upper

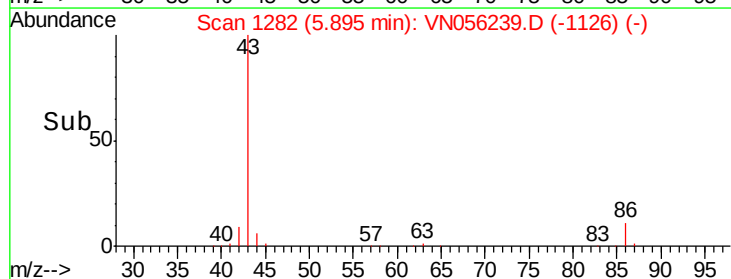
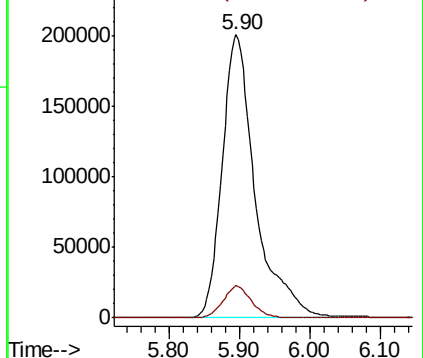
43 100

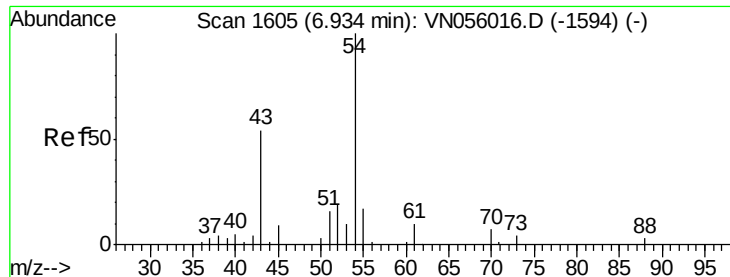
86 9.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

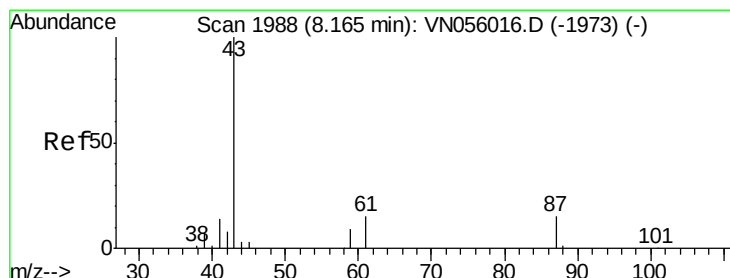
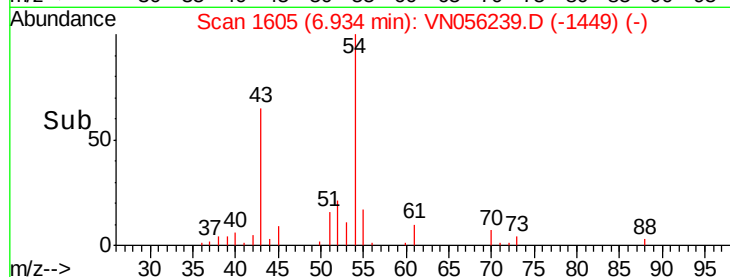
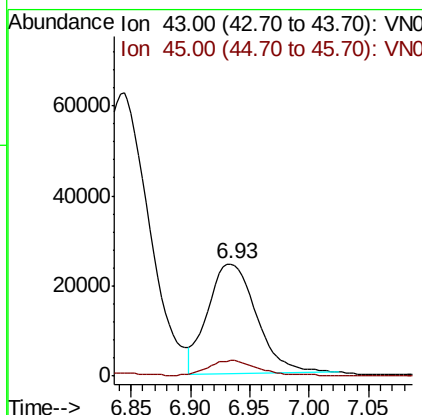
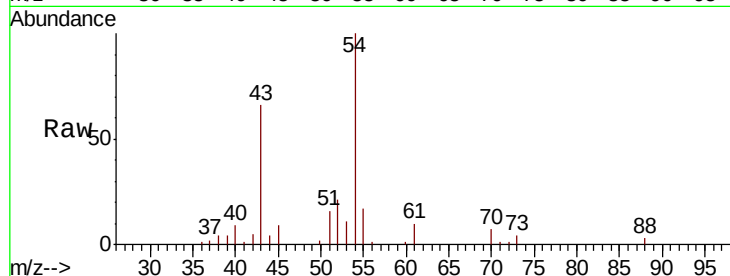




#43
Ethyl Acetate
Concen: 20.268 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

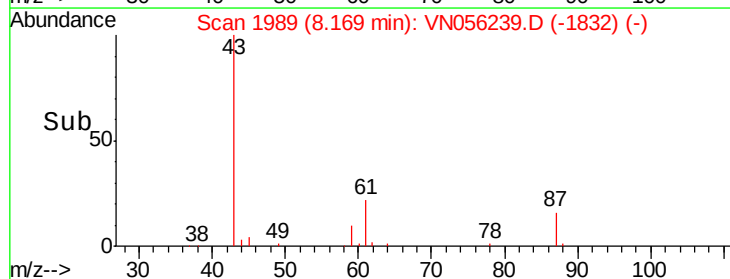
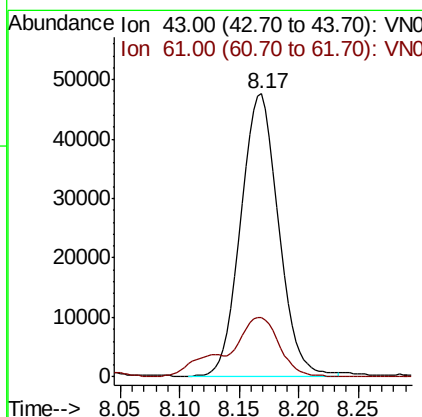
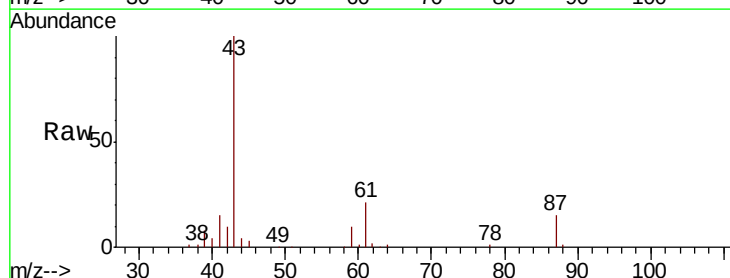
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

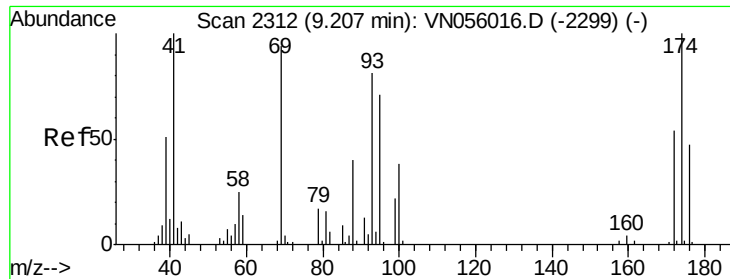
Tot Ion: 43 Resp: 69357
Ion Ratio Lower Upper
43 100
45 12.8 12.3 18.5



#44
Isopropyl Acetate
Concen: 19.630 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 104298
Ion Ratio Lower Upper
43 100
61 21.9 16.9 25.3

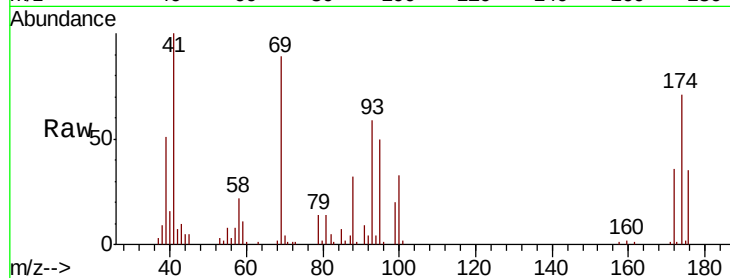




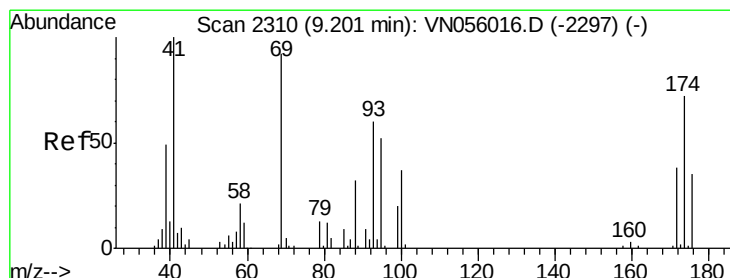
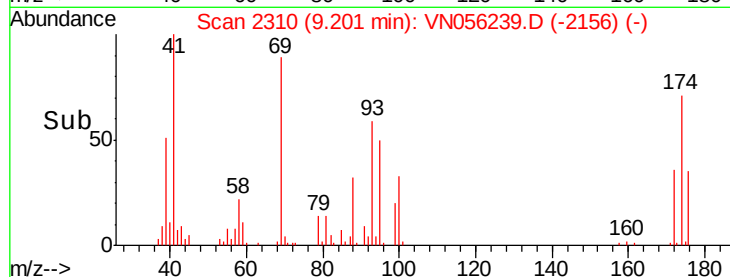
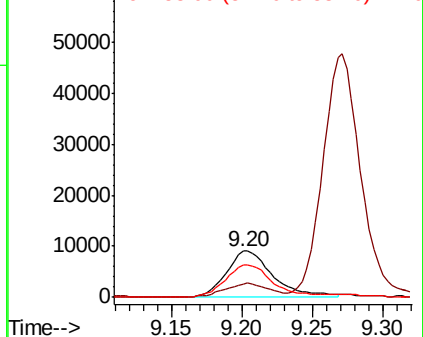
#45
 1,4-Dioxane
 Concen: 372.260 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion: 88 Resp: 21158
 Ion Ratio Lower Upper
 88 100
 43 26.6 19.8 29.6
 58 69.5 48.5 72.7

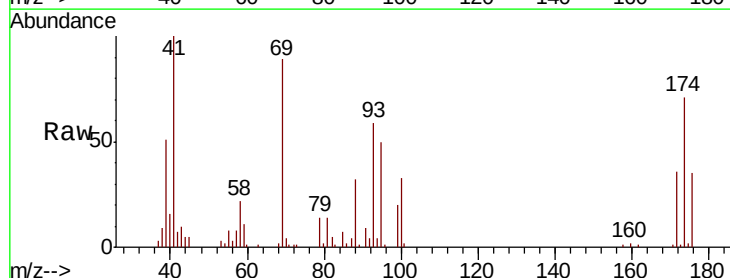


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

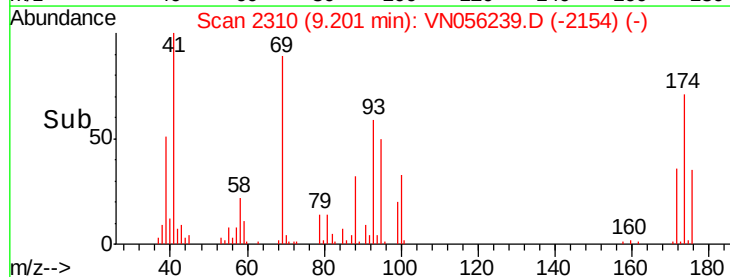
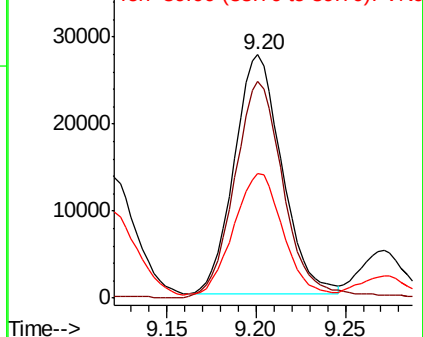


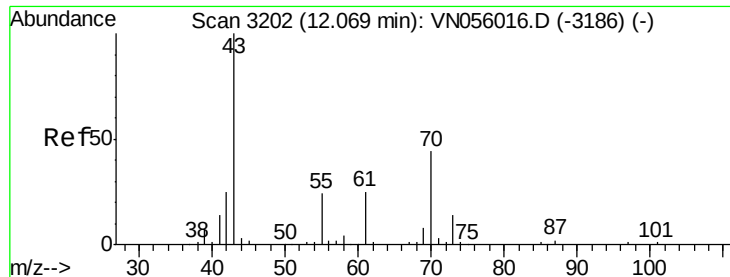
#46
 Methyl methacrylate
 Concen: 19.453 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 41 Resp: 51346
 Ion Ratio Lower Upper
 41 100
 69 89.9 46.0 137.8
 39 50.4 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: 18.360 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

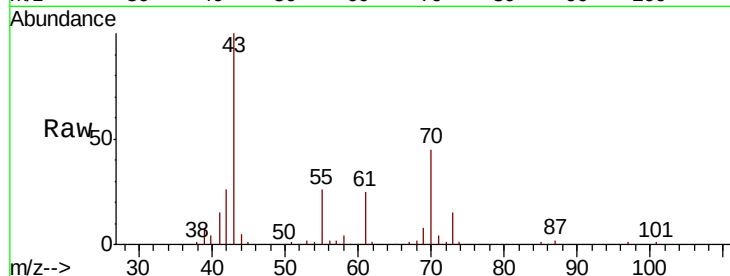
VN0612WBS01

Tot Ion: 43 Resp: 80673

Ion Ratio Lower Upper

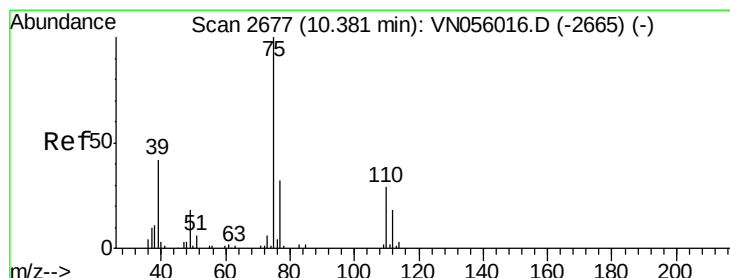
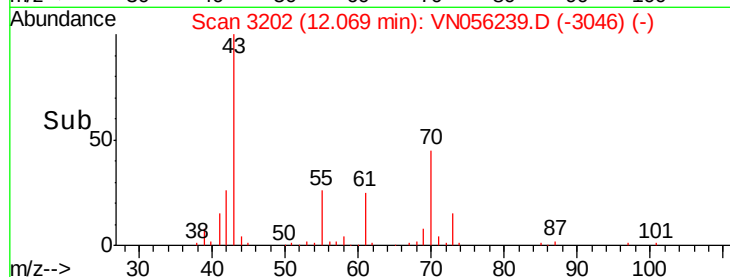
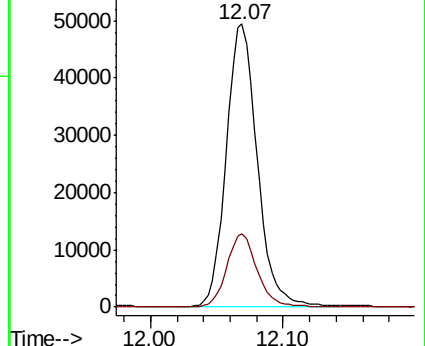
43 100

55 25.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056239.D

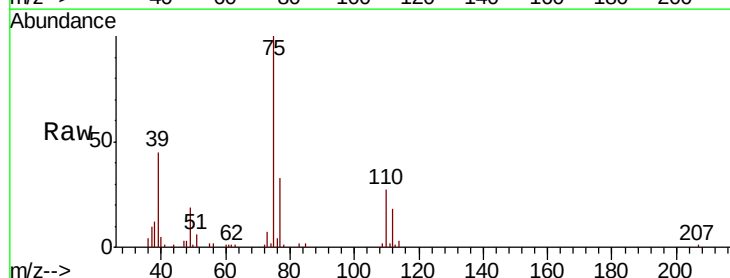
Acq: 12 Jun 2019 10:47

Tgt Ion: 75 Resp: 66700

Ion Ratio Lower Upper

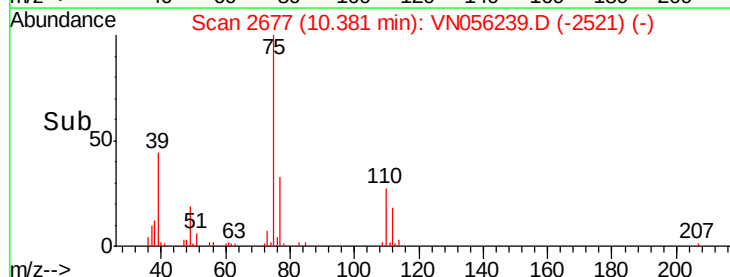
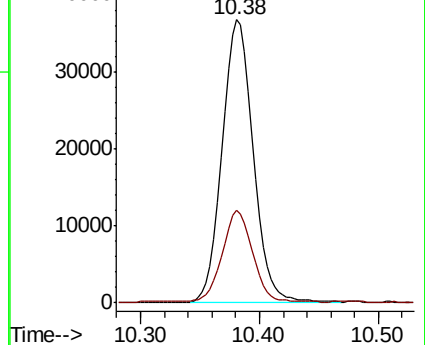
75 100

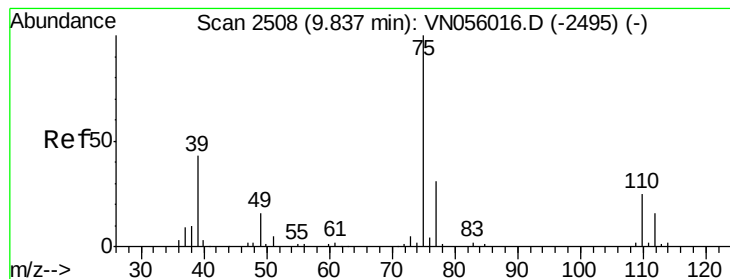
77 32.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



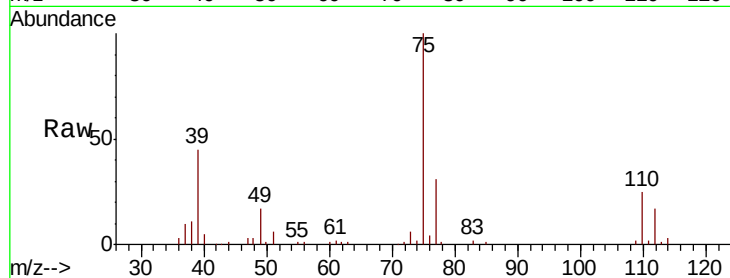


#49

cis-1,3-Dichloropropene
 Concen: 19.783 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	44.7	34.3	51.5

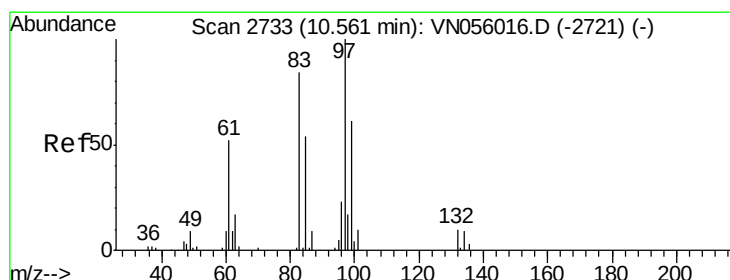
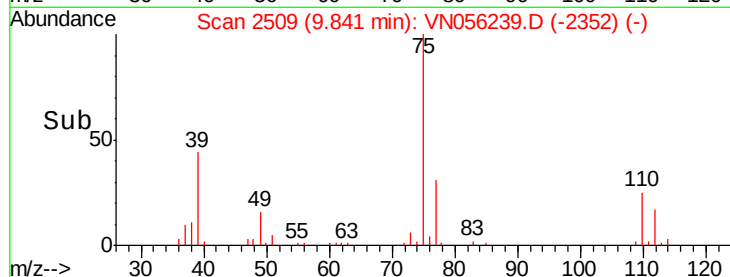
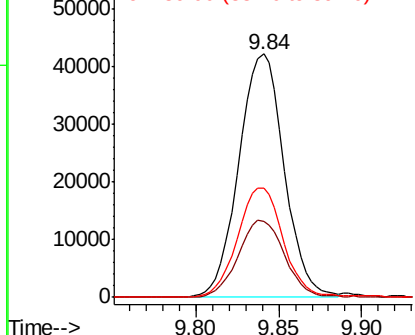


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

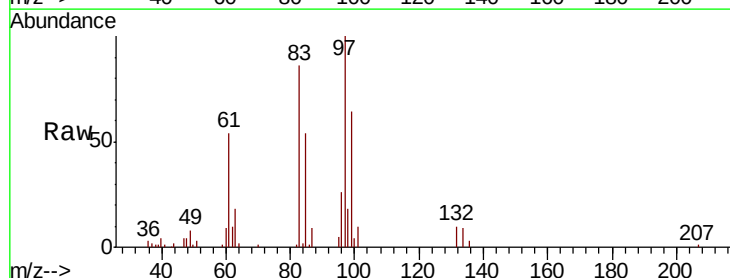
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 20.978 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.9	100.3
85	54.4	43.3	64.9
99	64.2	48.6	73.0



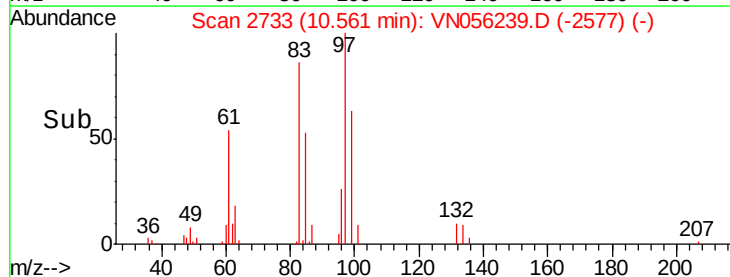
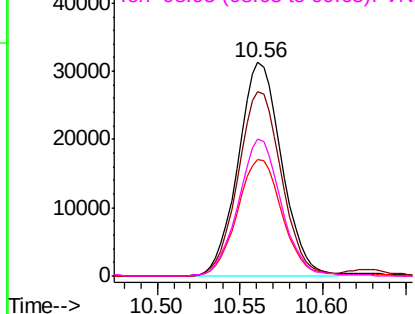
Abundance

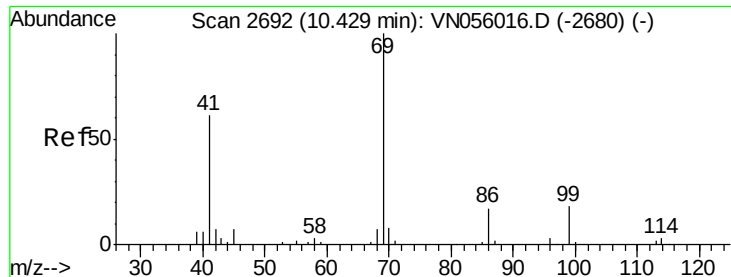
Ion 97.00 (96.70 to 97.70): VNO

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

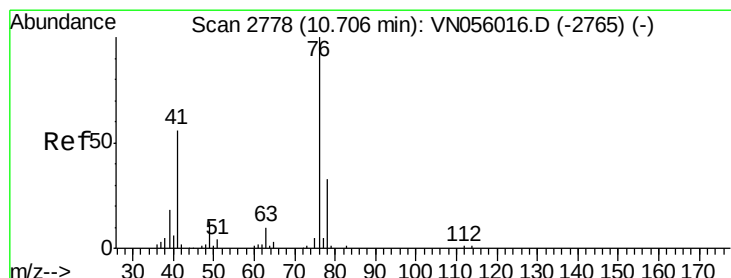
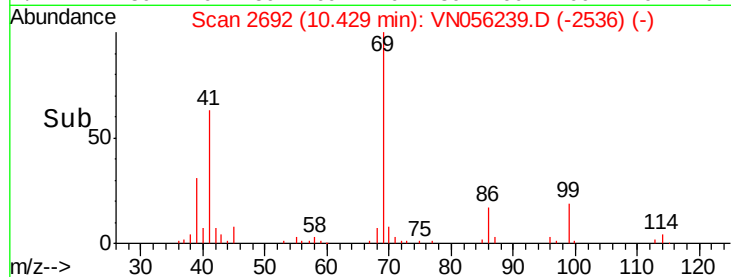
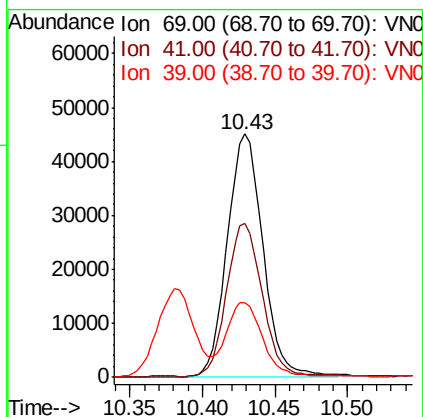
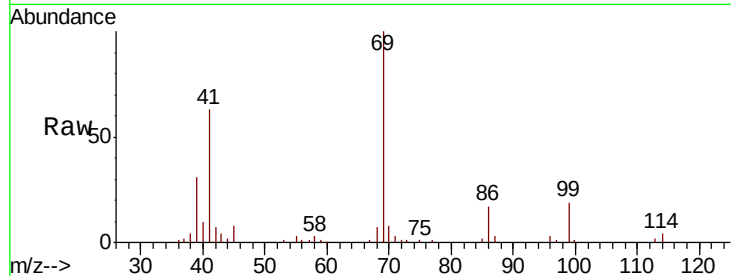




#51
Ethyl methacrylate
Concen: 18.809 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

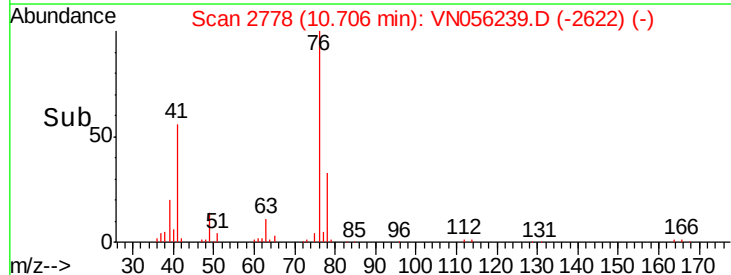
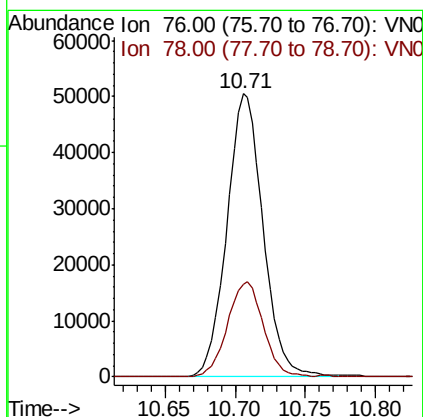
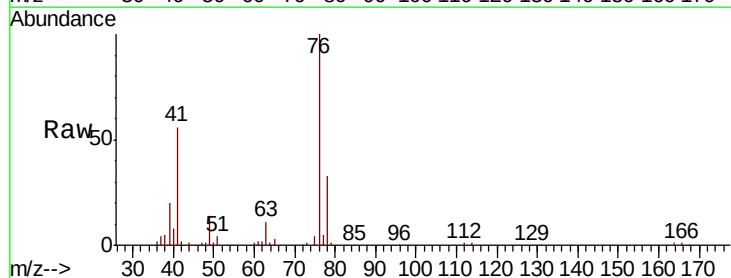
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

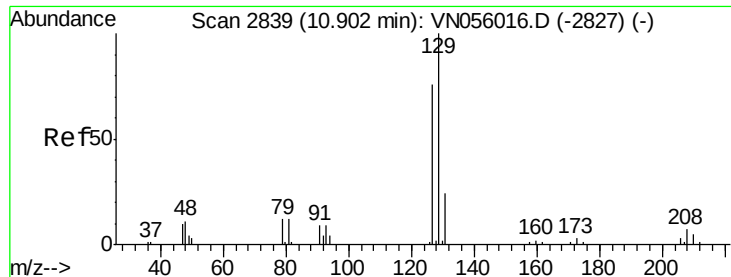
Tot Ion: 69 Resp: 77671
Ion Ratio Lower Upper
69 100
41 62.8 30.8 92.3
39 30.2 14.5 43.6



#52
1,3-Dichloropropane
Concen: 20.472 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 76 Resp: 90587
Ion Ratio Lower Upper
76 100
78 33.3 0.0 63.4





#53

Dibromochloromethane

Concen: 22.340 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

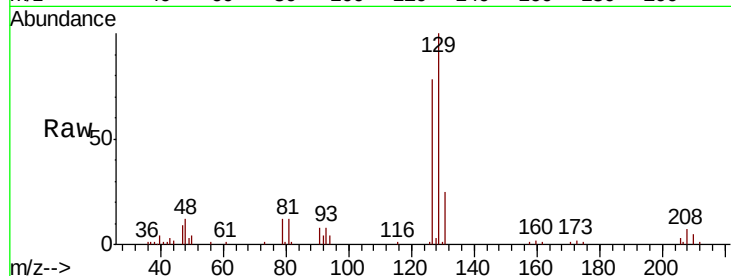
VN0612WBS01

Tot Ion:129 Resp: 59691

Ion Ratio Lower Upper

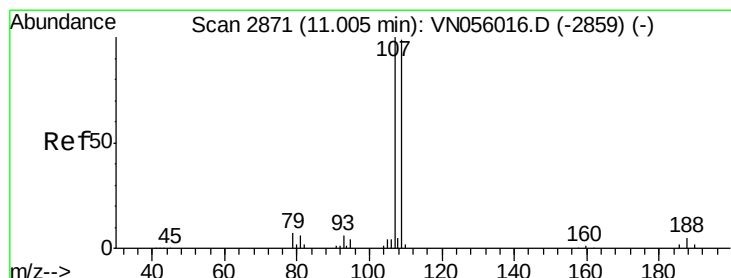
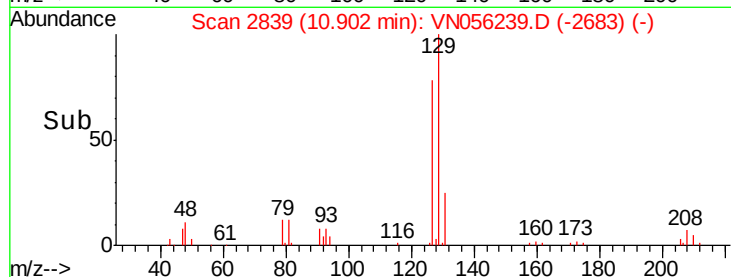
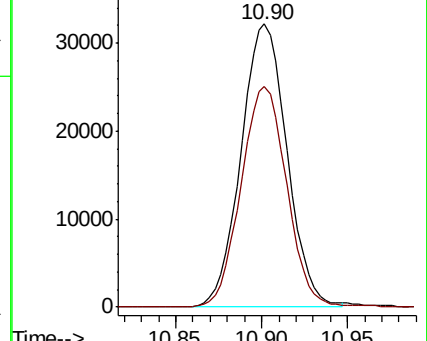
129 100

127 77.6 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: 20.553 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056239.D

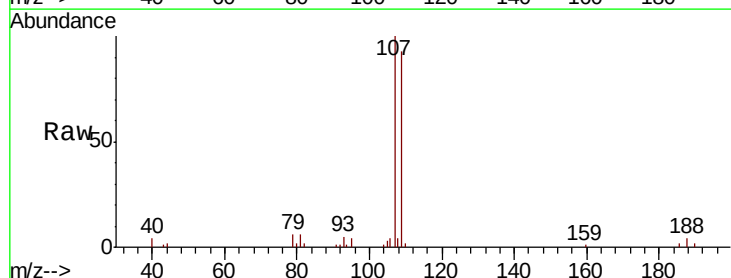
Acq: 12 Jun 2019 10:47

Tgt Ion:107 Resp: 58539

Ion Ratio Lower Upper

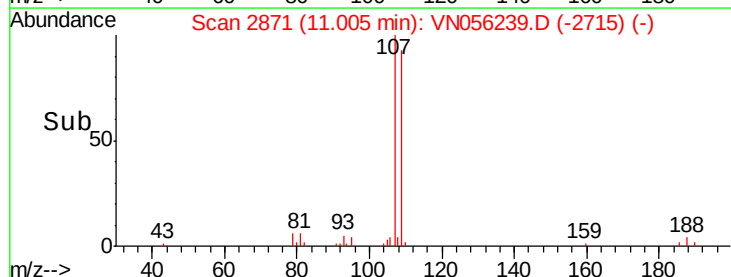
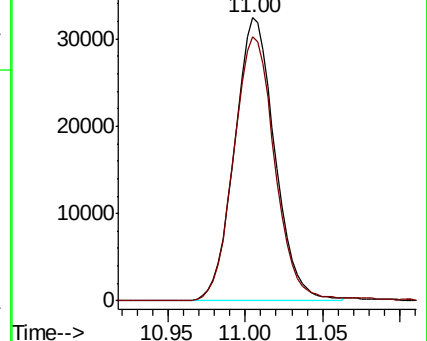
107 100

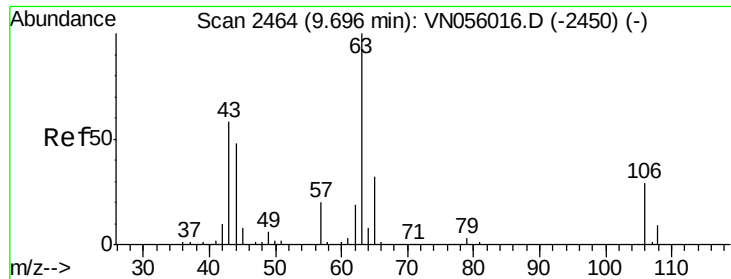
109 95.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

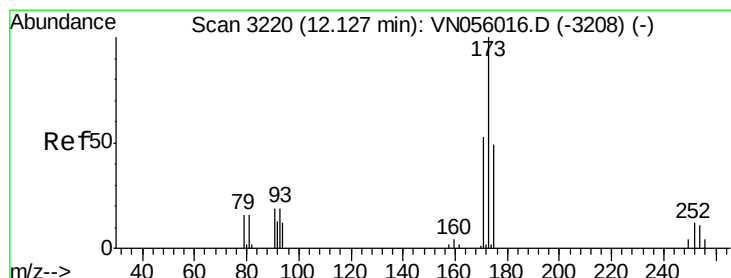
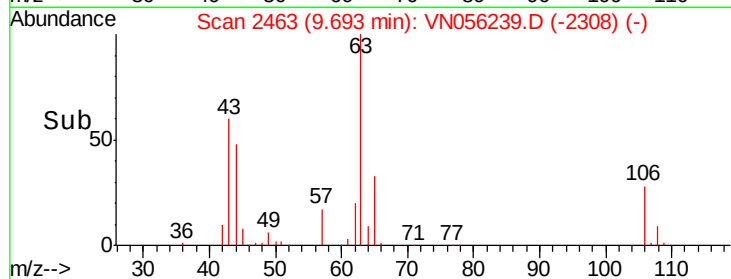
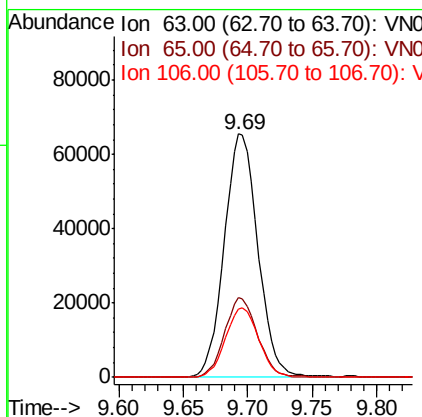
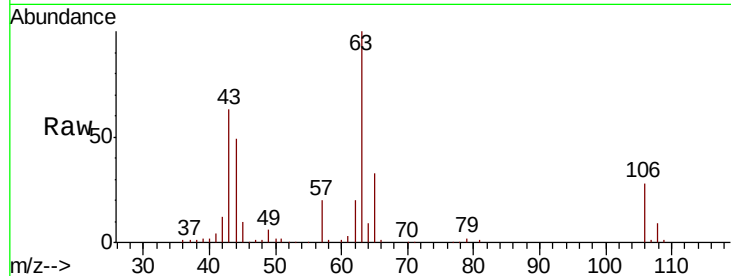




#55
2-Chloroethyl vinyl ether
Concen: 82.031 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

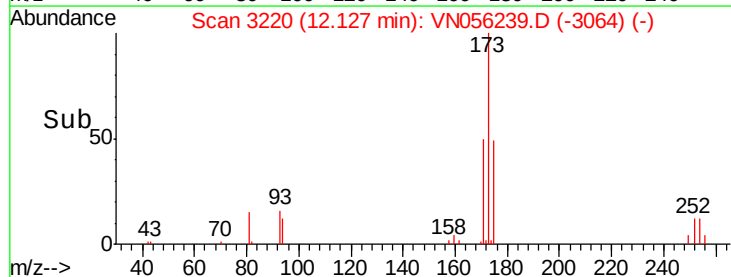
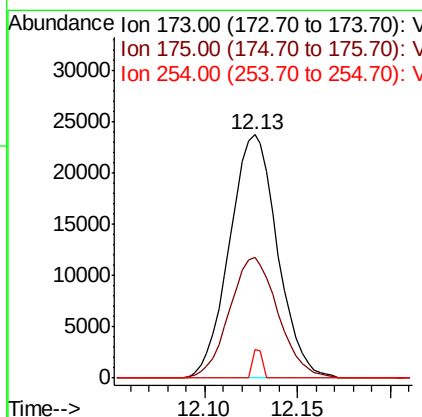
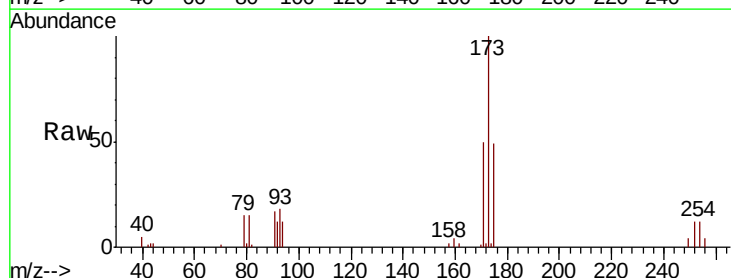
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

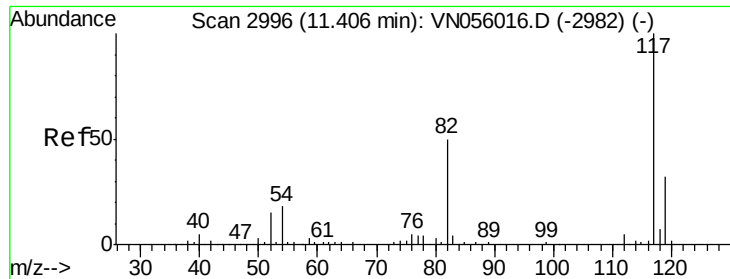
Tot Ion: 63 Resp: 118649
Ion Ratio Lower Upper
63 100
65 31.8 25.5 38.3
106 28.2 23.0 34.4



#56
Bromoform
Concen: 21.978 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 173 Resp: 42481
Ion Ratio Lower Upper
173 100
175 50.5 38.7 58.1
254 2.5 6.6 9.8#

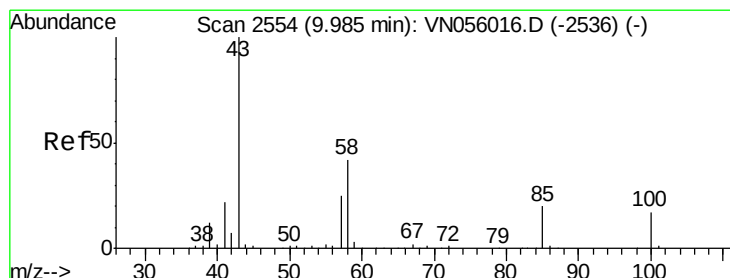
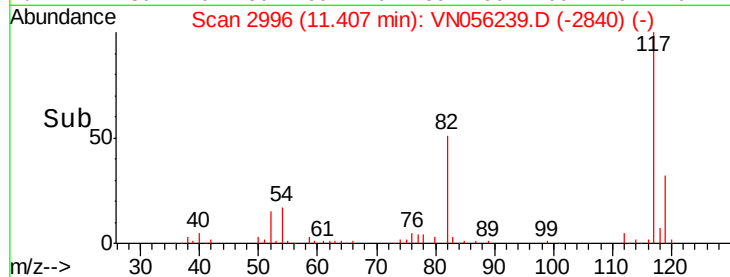
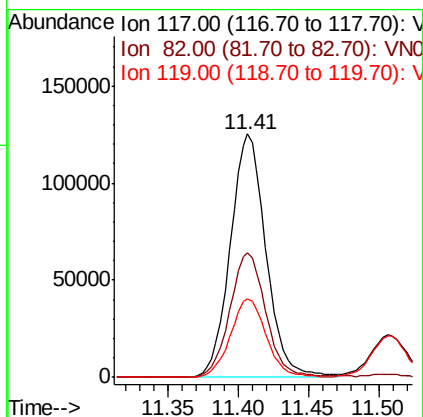
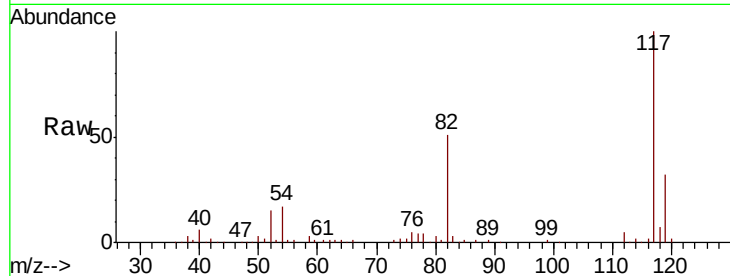




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

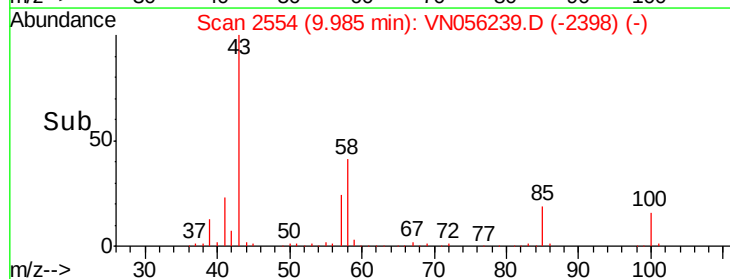
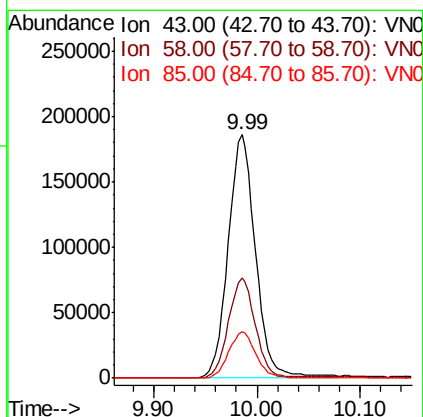
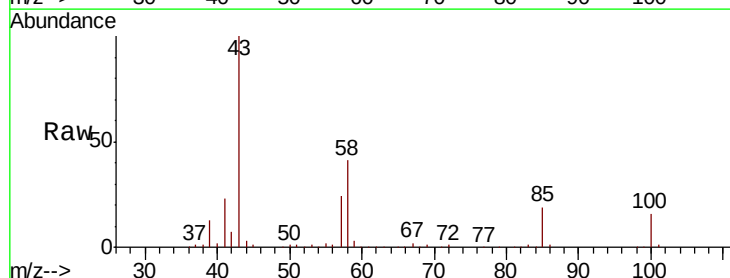
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

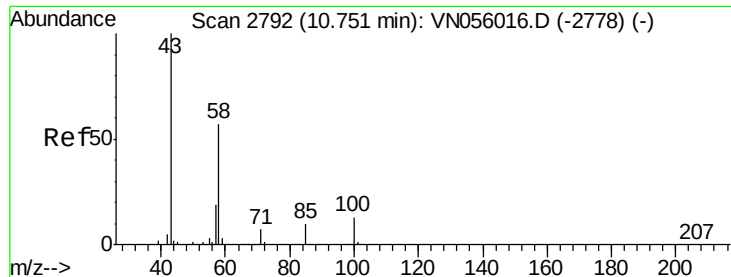
Tot Ion:117 Resp: 221957
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 32.5 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 102.583 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 344780
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7
85 18.8 15.5 23.3

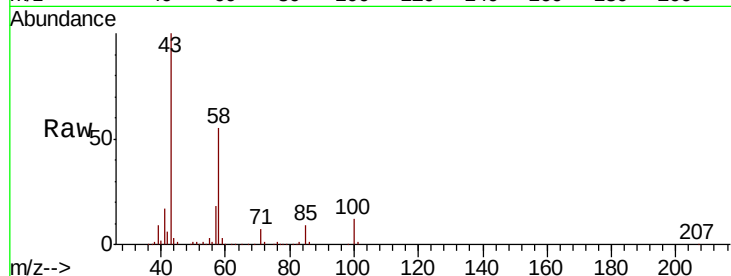




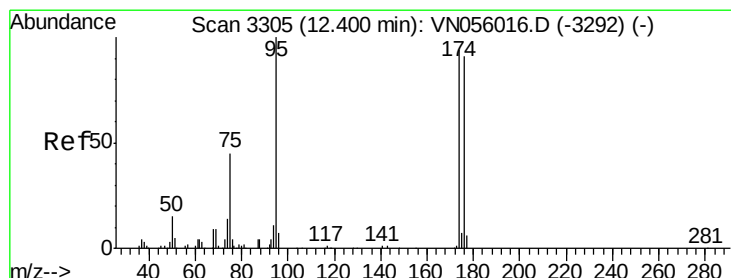
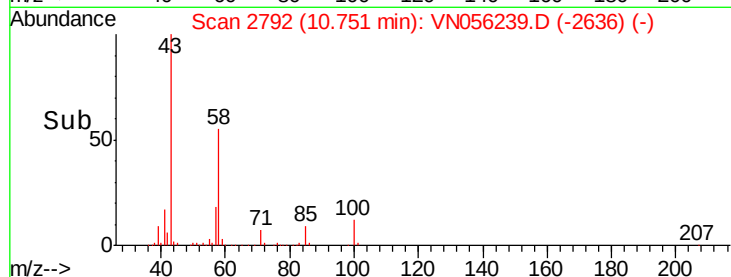
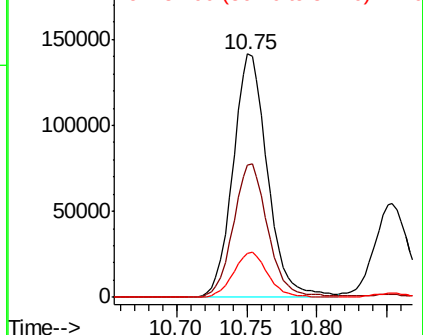
#59
2-Hexanone
Concen: 100.972 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	45.3	67.9
57	18.7	15.6	23.4

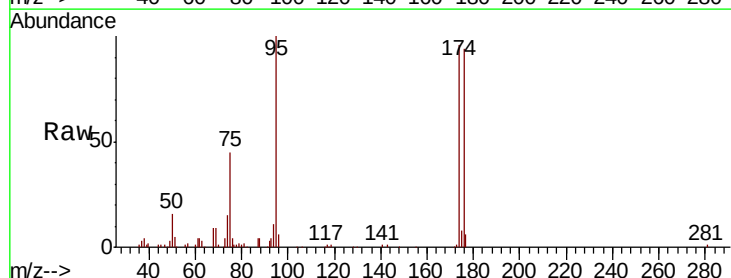


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

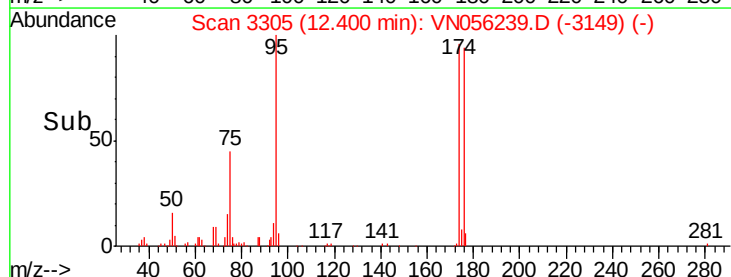
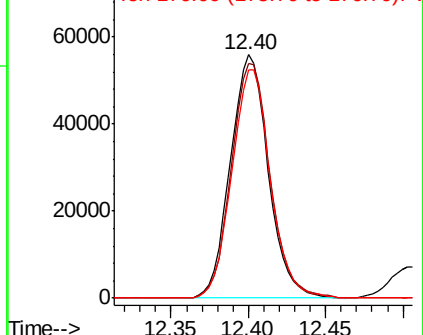


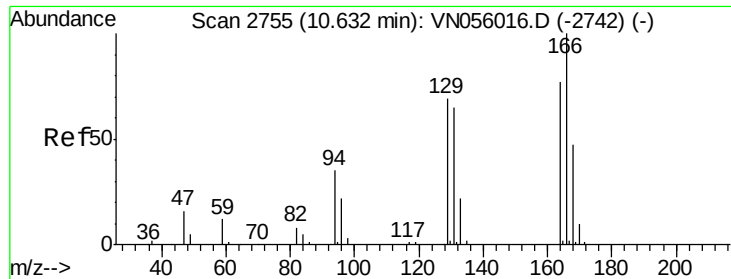
#60
4-Bromofluorobenzene
Concen: 28.863 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.0	75.4	113.0
176	95.6	73.9	110.9



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 21.376 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion:164 Resp: 66124

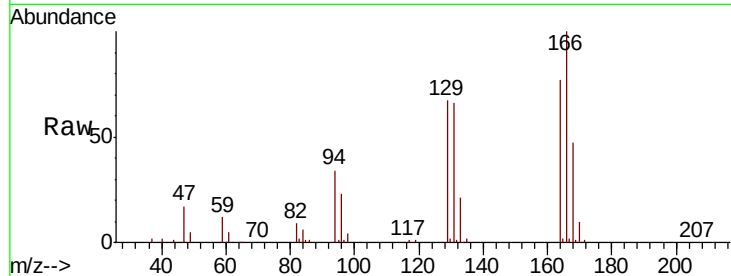
Ion Ratio Lower Upper

164 100

166 129.6 104.3 156.5

129 86.4 71.5 107.3

131 84.9 67.7 101.5

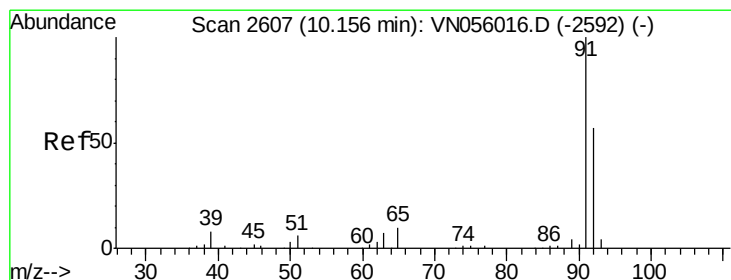
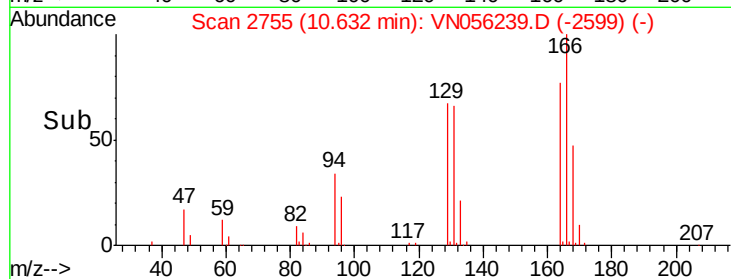
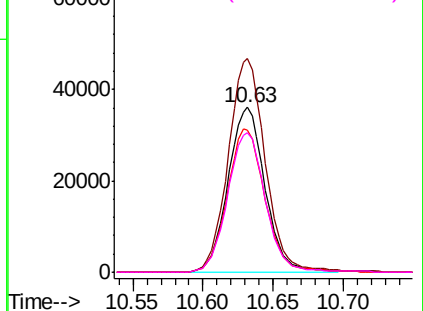


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.461 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056239.D

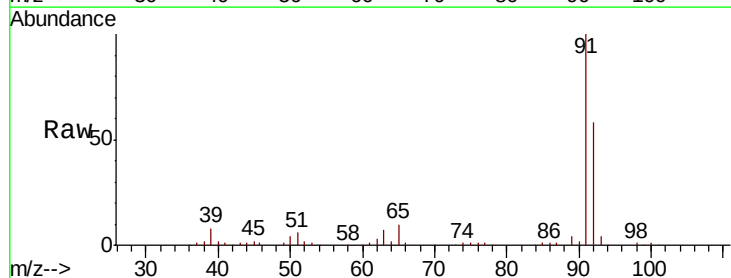
Acq: 12 Jun 2019 10:47

Tgt Ion: 91 Resp: 245170

Ion Ratio Lower Upper

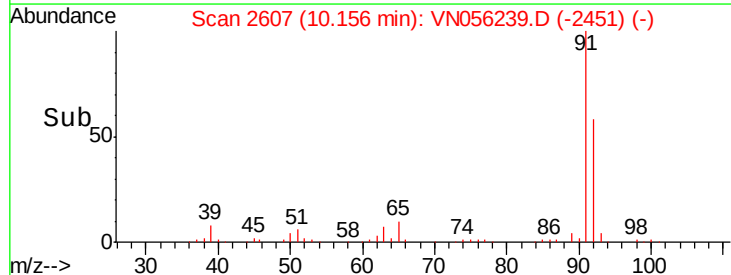
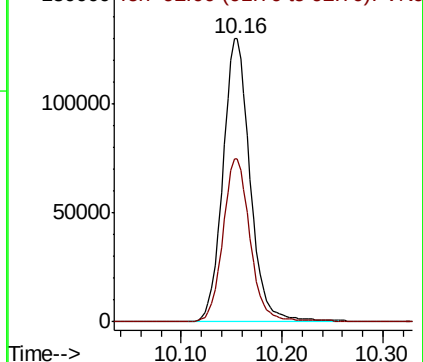
91 100

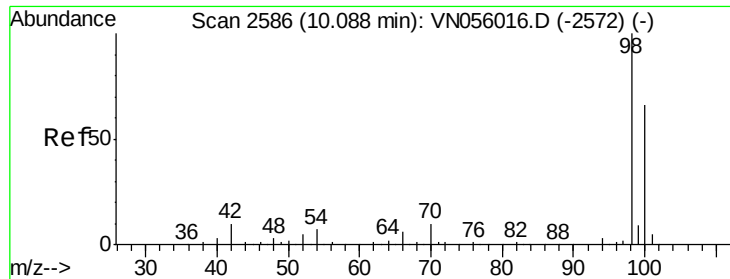
92 57.2 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

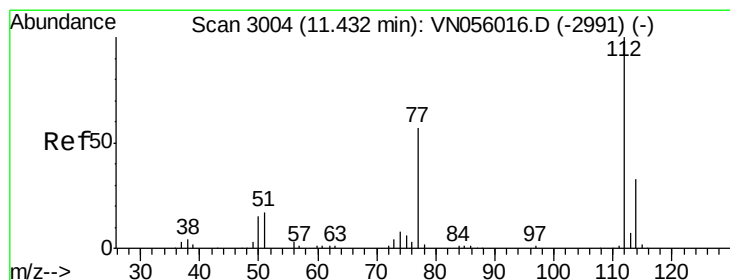
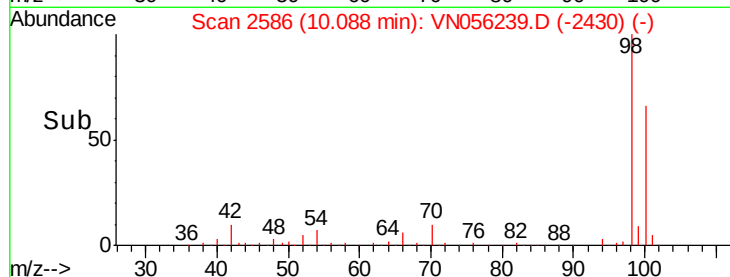
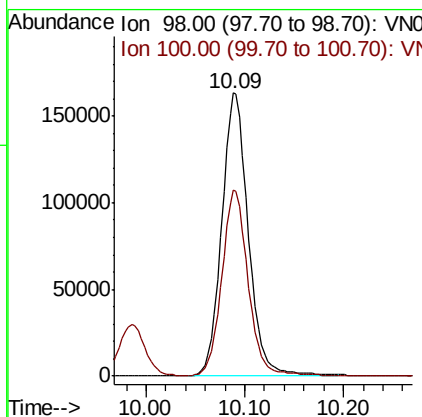
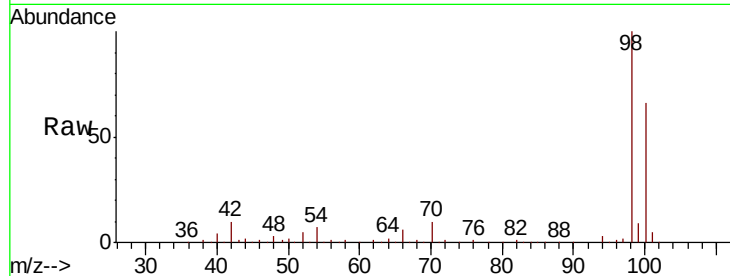




#63
Toluene-d8
Concen: 30.666 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

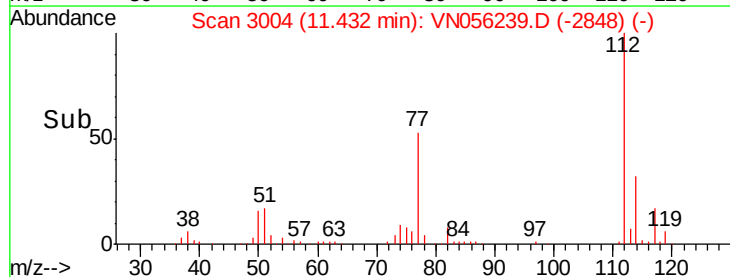
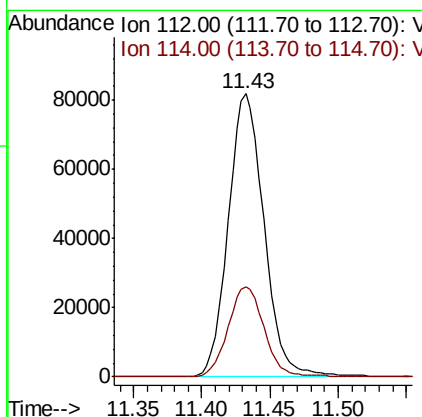
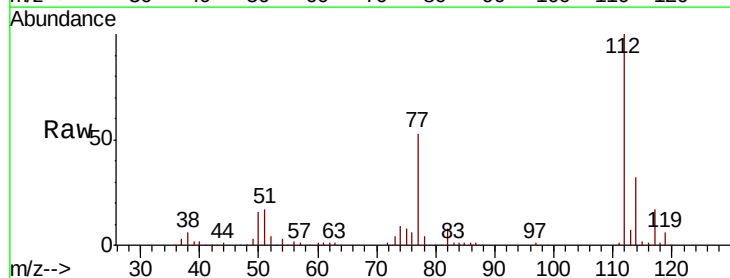
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

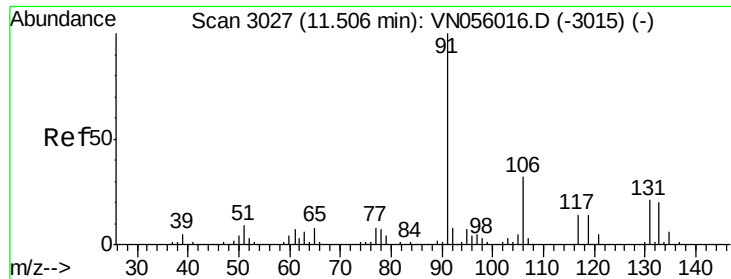
Tot Ion: 98 Resp: 308763
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#64
Chlorobenzene
Concen: 20.524 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 112 Resp: 149166
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1

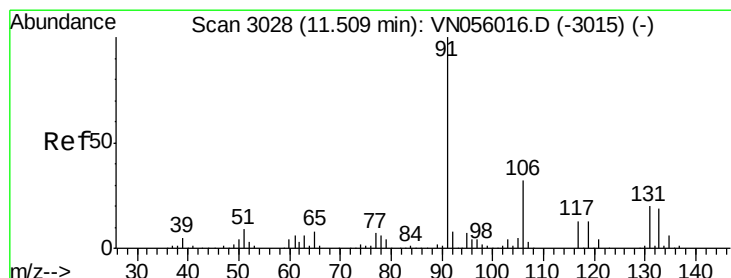
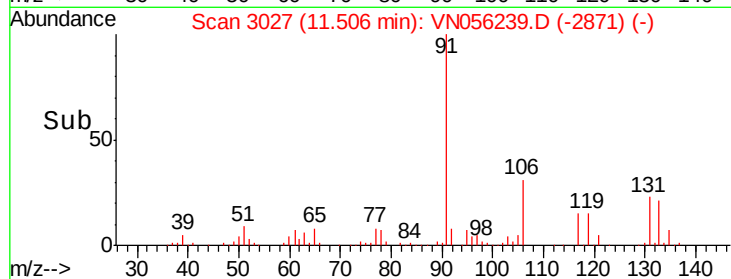
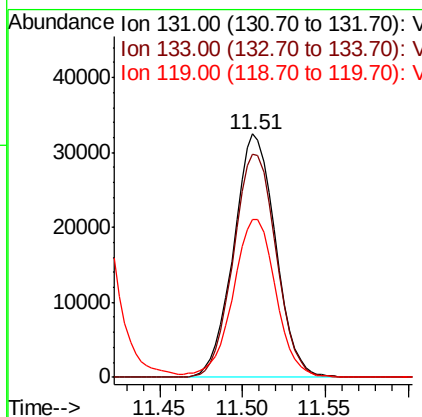
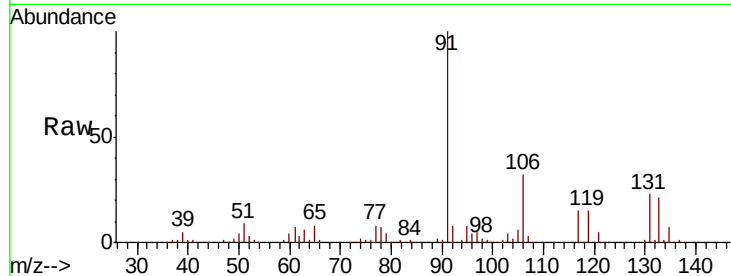




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.831 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

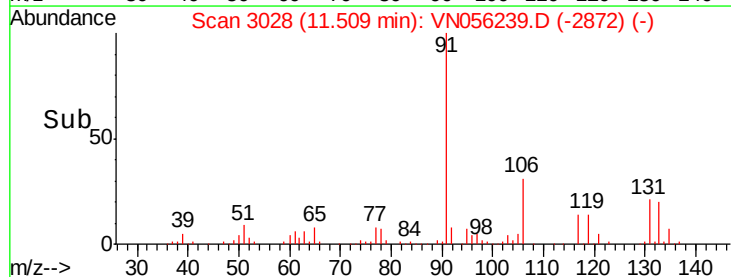
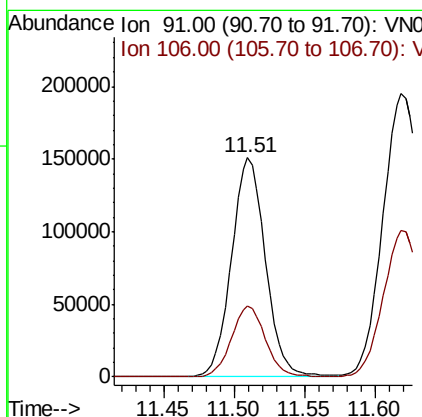
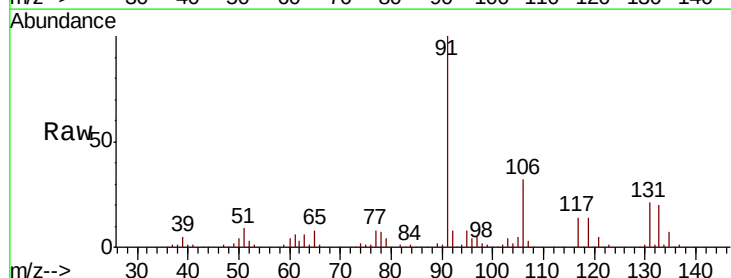
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

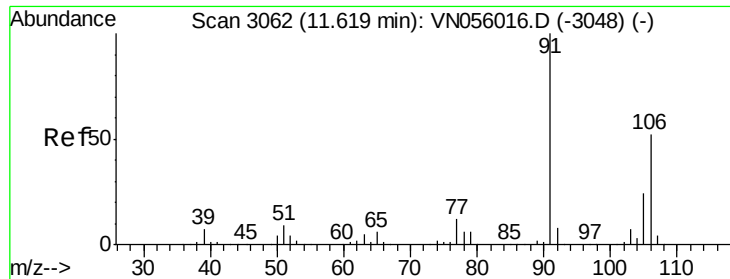
Tot Ion:131 Resp: 57214
 Ion Ratio Lower Upper
 131 100
 133 93.7 0.0 193.8
 119 66.2 0.0 134.4



#66
 Ethyl Benzene
 Concen: 20.019 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 91 Resp: 255484
 Ion Ratio Lower Upper
 91 100
 106 32.2 25.7 38.5

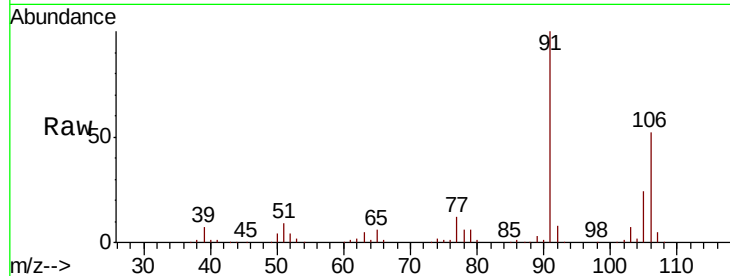




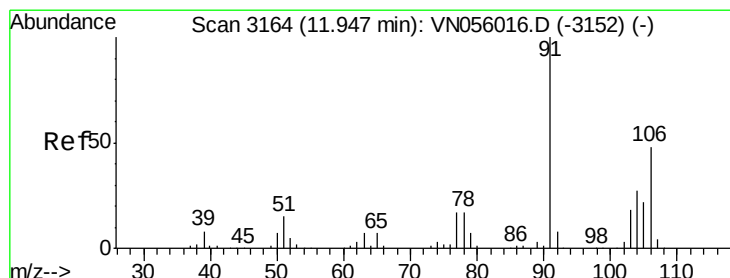
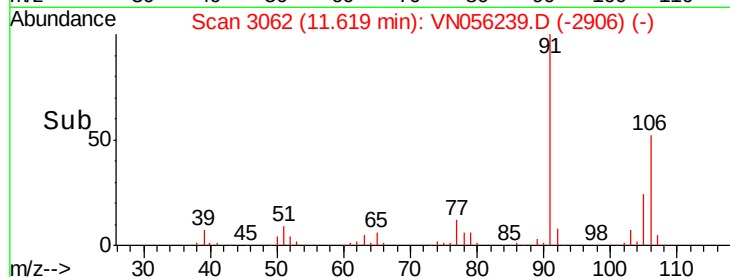
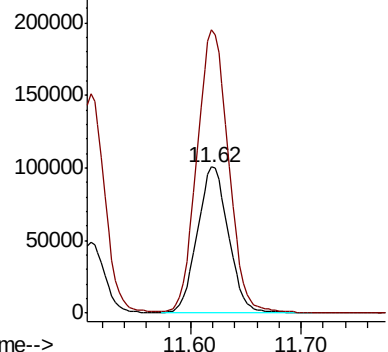
#67
m/p-Xylenes
Concen: 40.548 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

Tot Ion:106 Resp: 198071
Ion Ratio Lower Upper
106 100
91 196.1 155.7 233.5

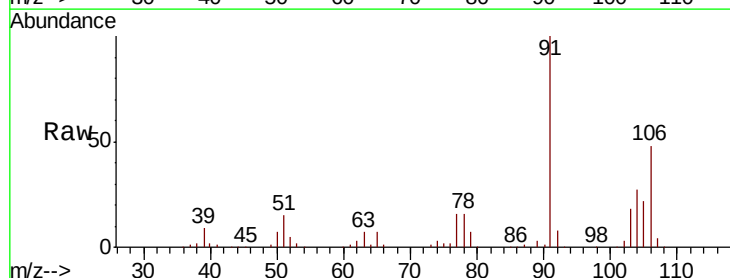


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

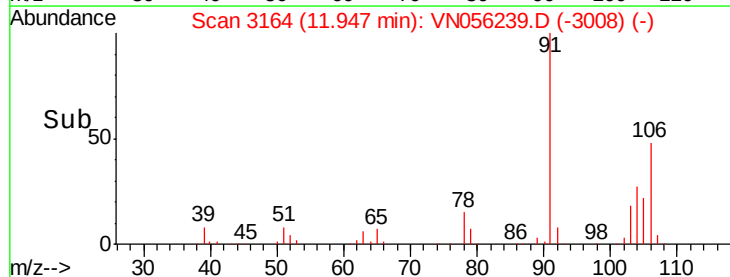
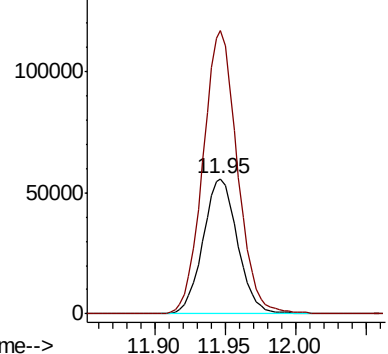


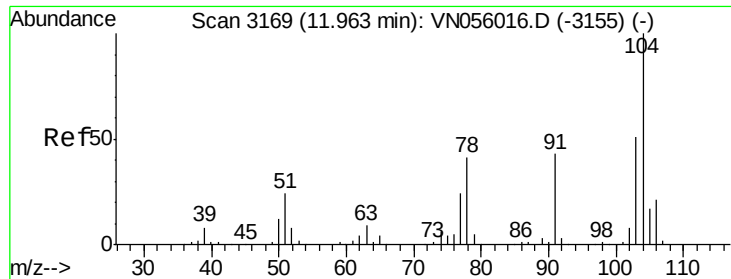
#68
o-Xylene
Concen: 19.986 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:106 Resp: 95576
Ion Ratio Lower Upper
106 100
91 208.6 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

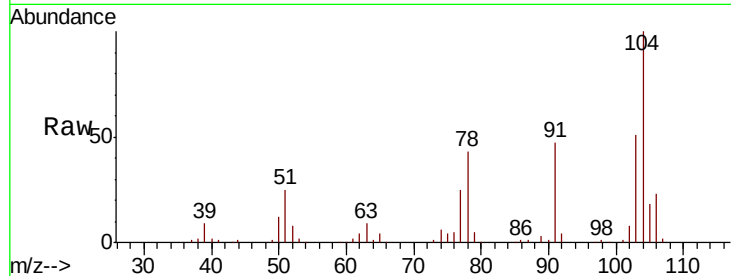




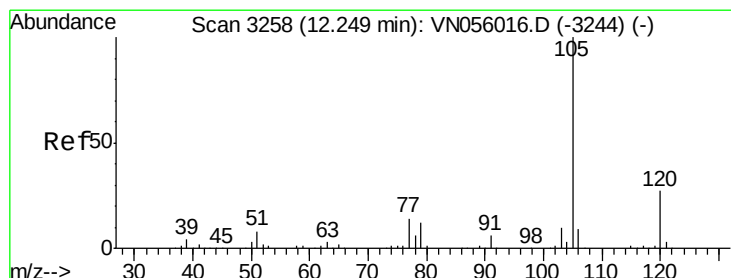
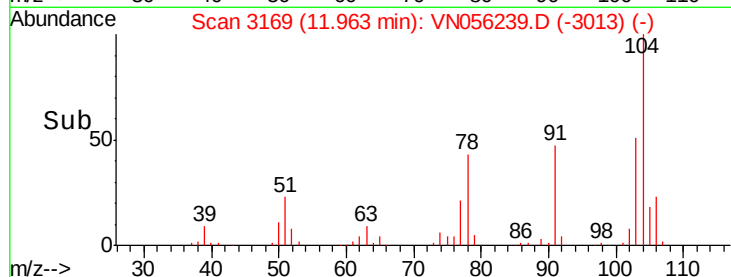
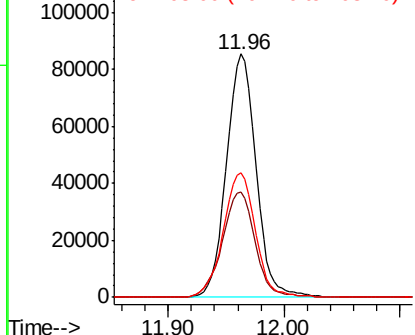
#69
Stvrene
Concen: 19.406 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

Tot Ion:104 Resp: 150781
Ion Ratio Lower Upper
104 100
78 48.0 37.0 55.6
103 55.4 44.4 66.6

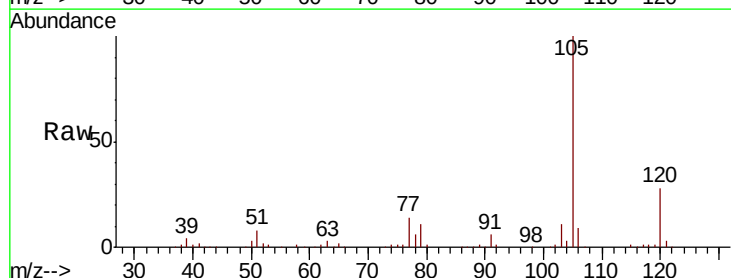


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

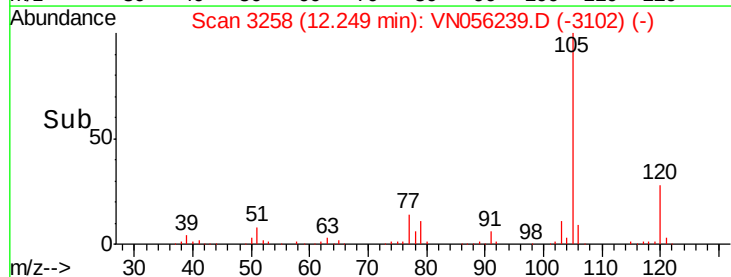
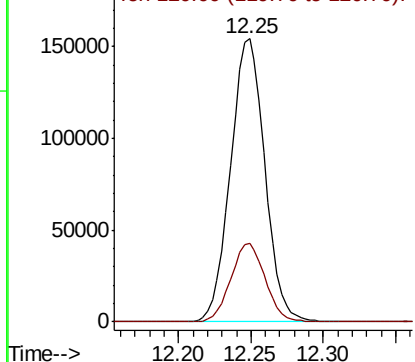


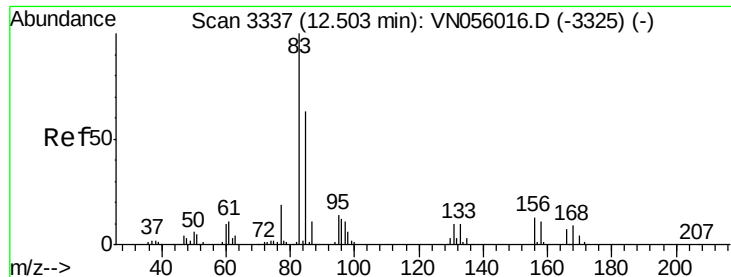
#70
Isopropylbenzene
Concen: 20.320 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:105 Resp: 253892
Ion Ratio Lower Upper
105 100
120 27.6 19.3 35.8



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

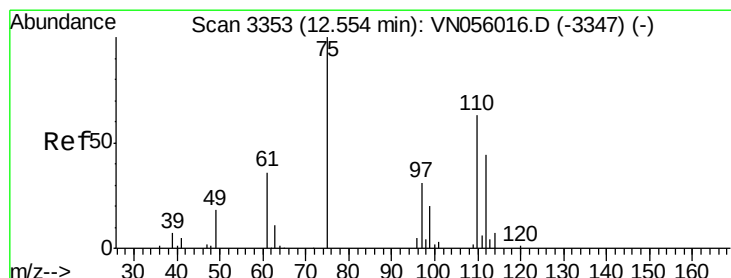
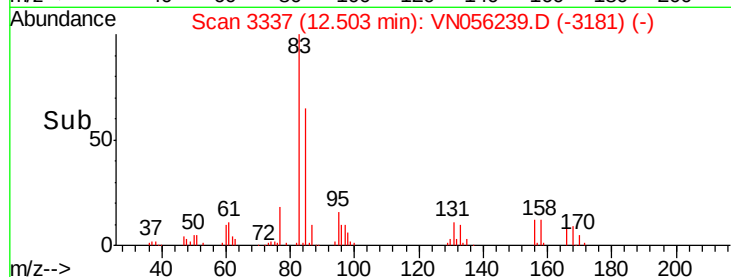
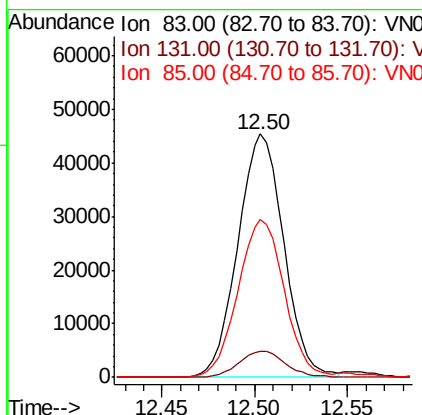
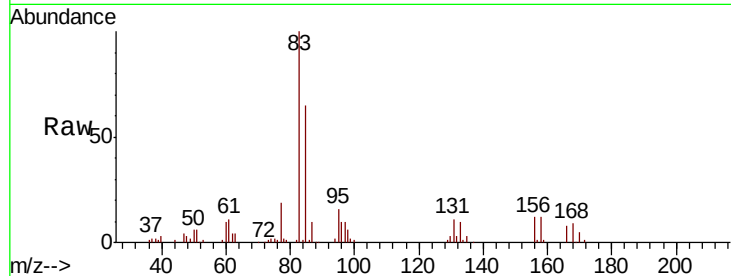




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.746 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

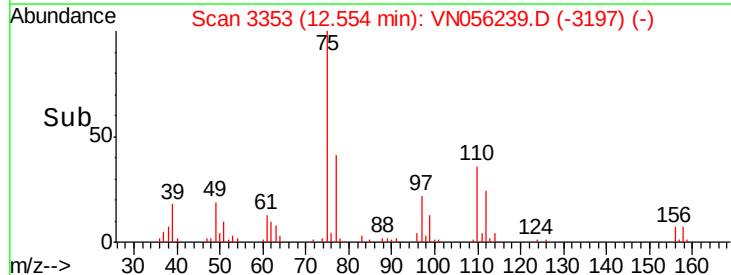
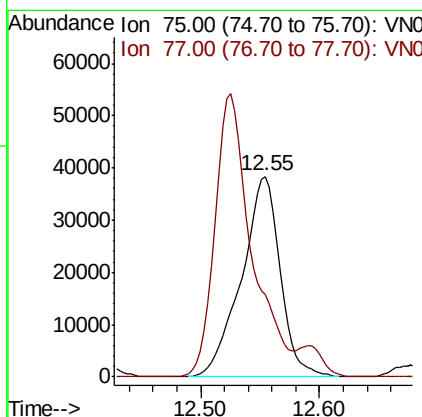
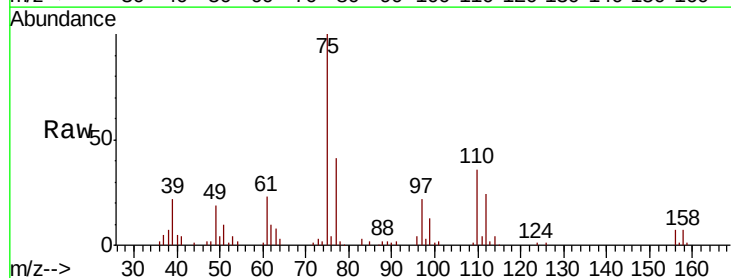
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

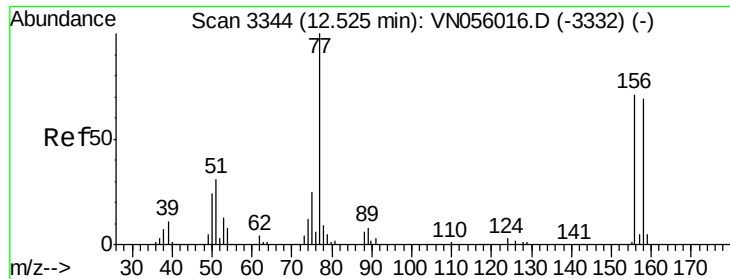
Tot Ion: 83 Resp: 78152
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.2 15.6
 85 65.3 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 26.545 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 75 Resp: 86567
 Ion Ratio Lower Upper
 75 100
 77 133.7 0.0 350.0





#73

Bromobenzene

Concen: 20.004 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

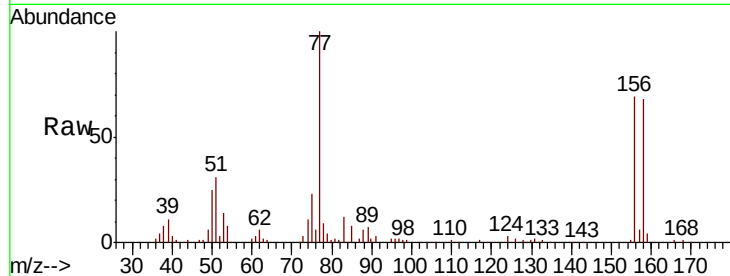
Tot Ion:156 Resp: 66342

Ion Ratio Lower Upper

156 100

77 174.5 0.0 350.8

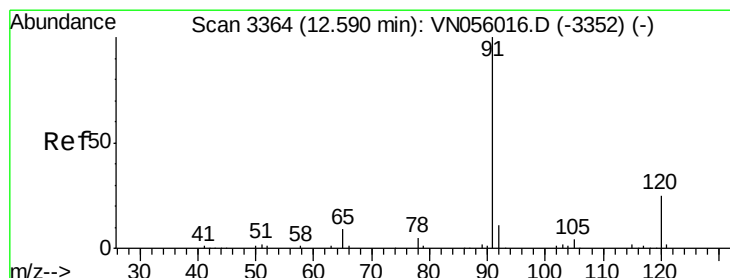
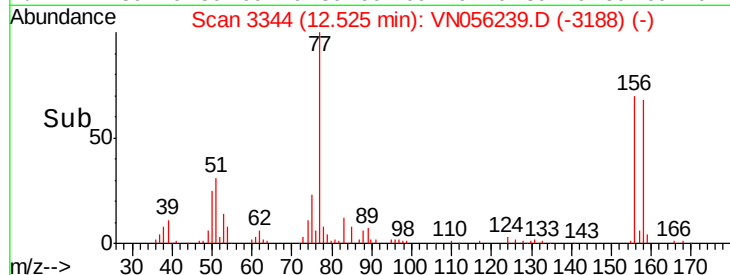
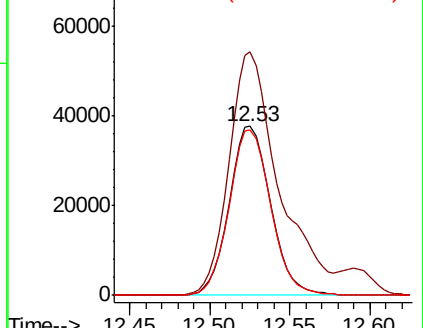
158 98.3 0.0 193.2



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: 19.695 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056239.D

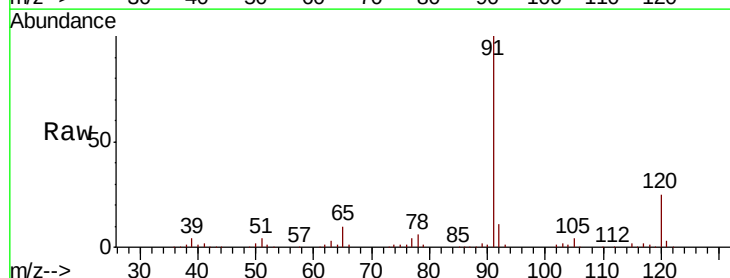
Acq: 12 Jun 2019 10:47

Tgt Ion: 91 Resp: 259697

Ion Ratio Lower Upper

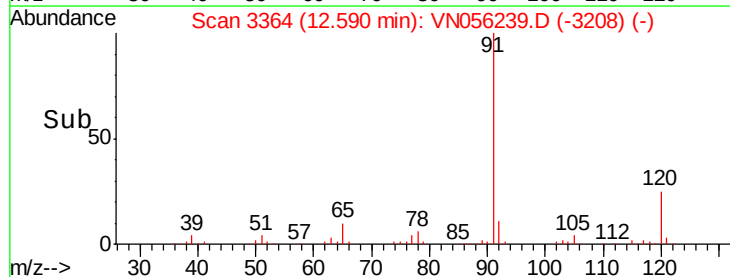
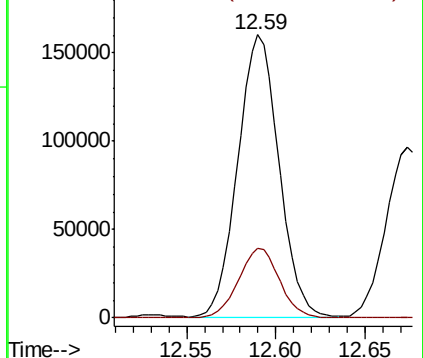
91 100

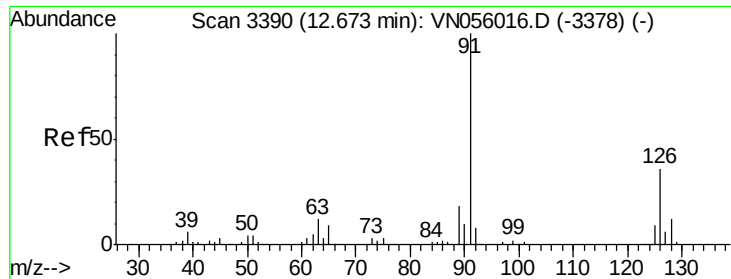
120 24.5 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.944 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

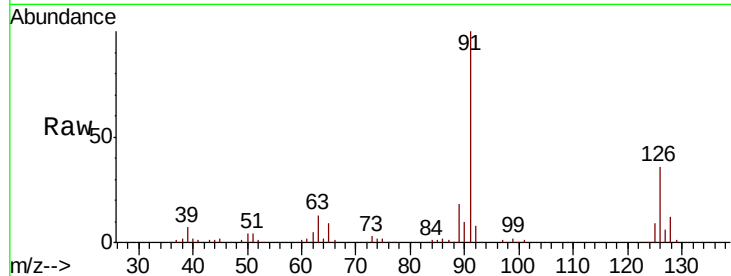
VN0612WBS01

Tot Ion: 91 Resp: 163112

Ion Ratio Lower Upper

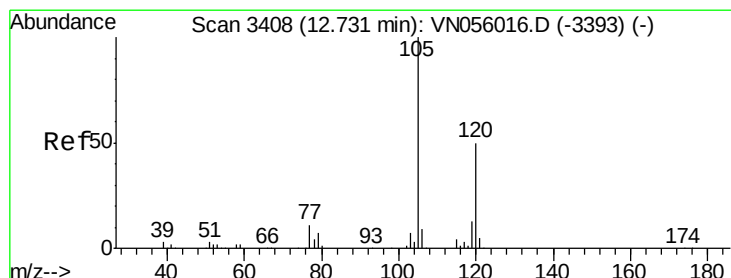
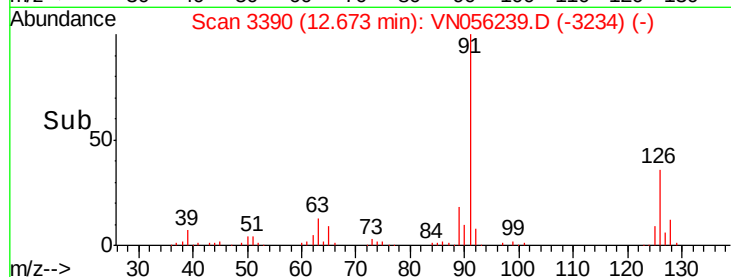
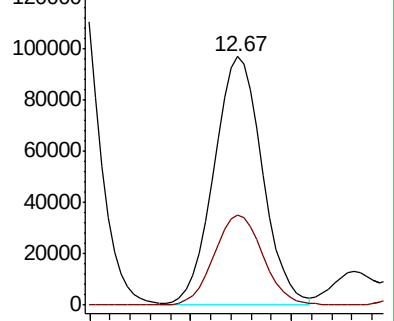
91 100

126 36.6 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.271 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056239.D

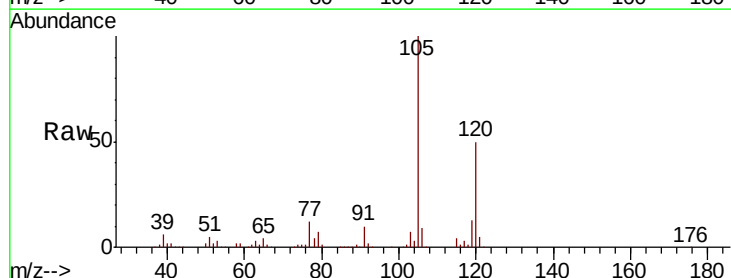
Acq: 12 Jun 2019 10:47

Tgt Ion: 105 Resp: 208343

Ion Ratio Lower Upper

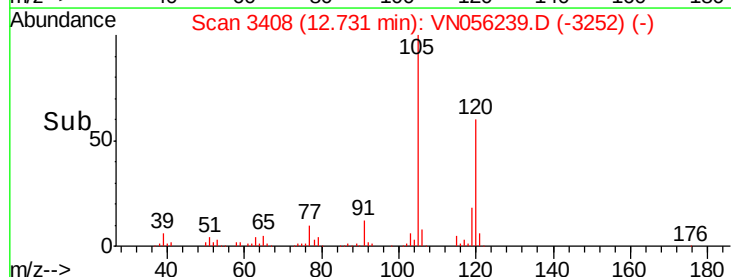
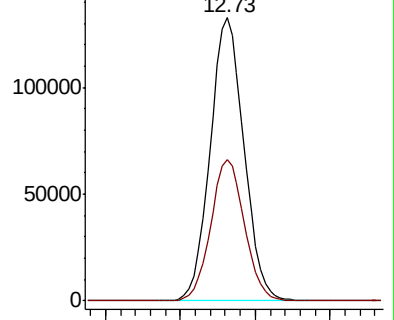
105 100

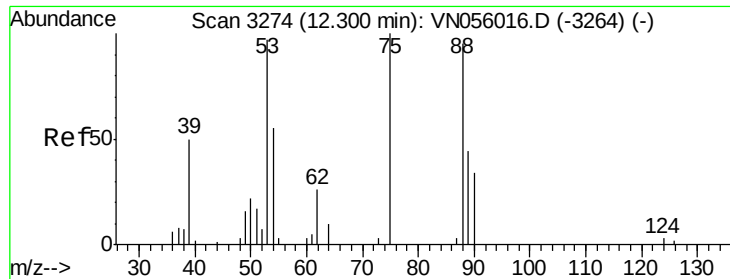
120 49.7 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.153 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS01

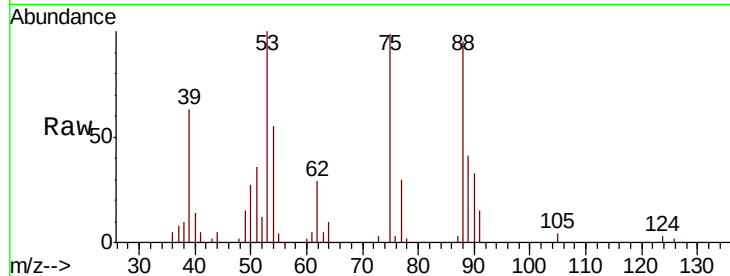
Tot Ion: 75 Resp: 16892

Ion Ratio Lower Upper

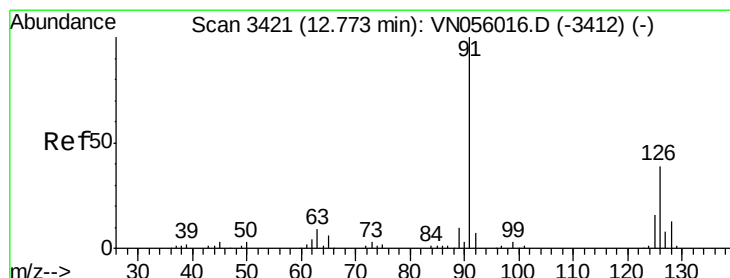
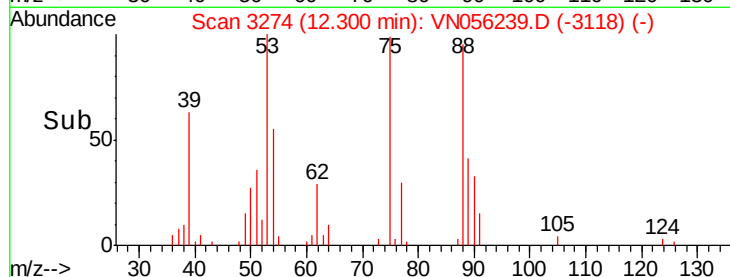
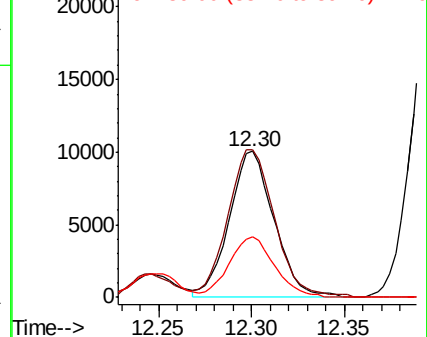
75 100

53 99.6 48.0 144.0

89 41.5 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: 18.888 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056239.D

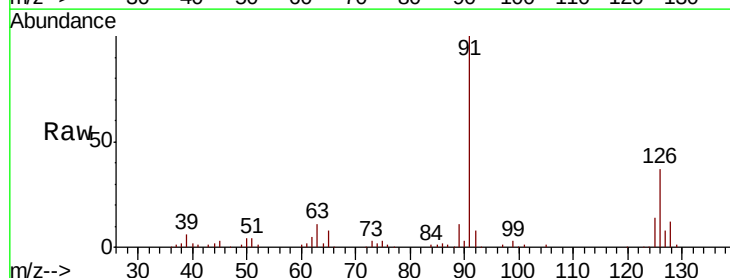
Acq: 12 Jun 2019 10:47

Tgt Ion: 91 Resp: 144272

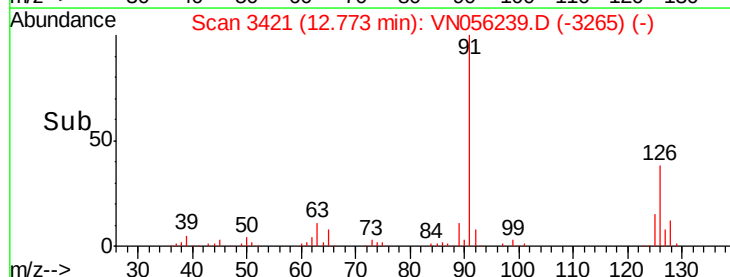
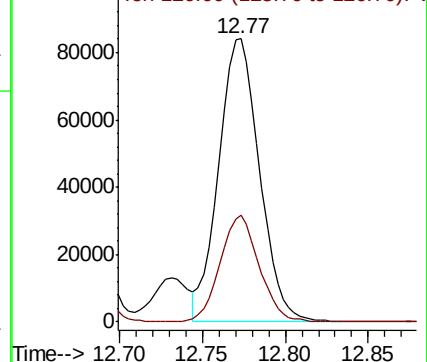
Ion Ratio Lower Upper

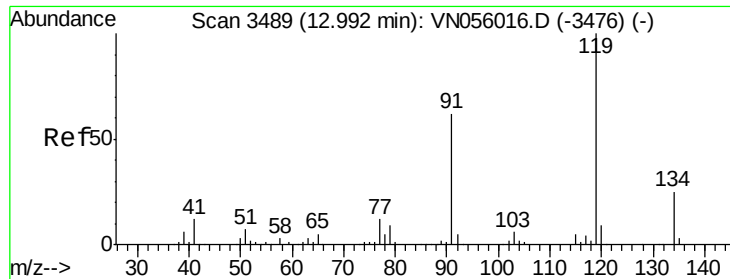
91 100

126 36.0 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

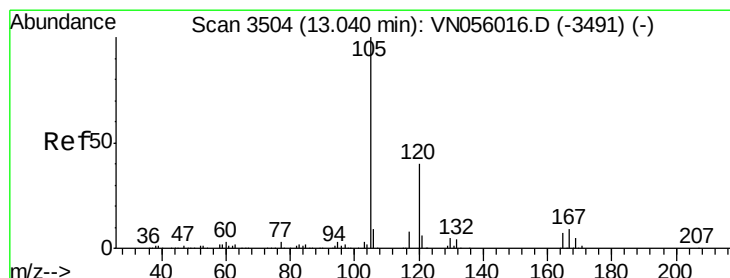
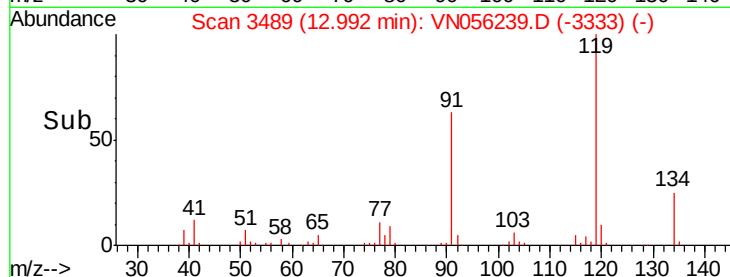
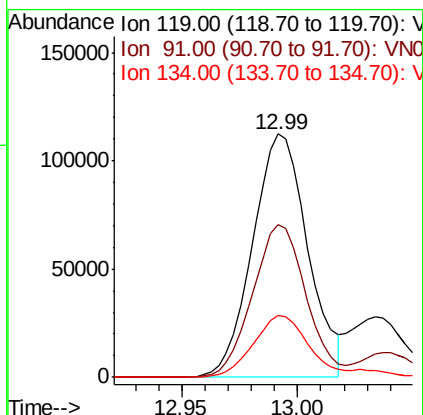
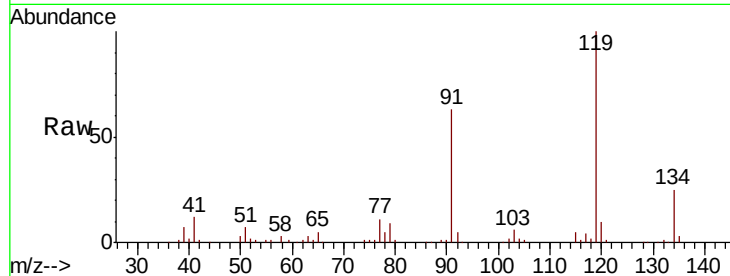




#79
tert-butylbenzene
Concen: 20.477 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

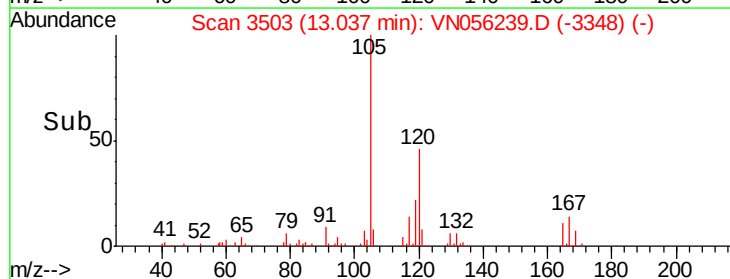
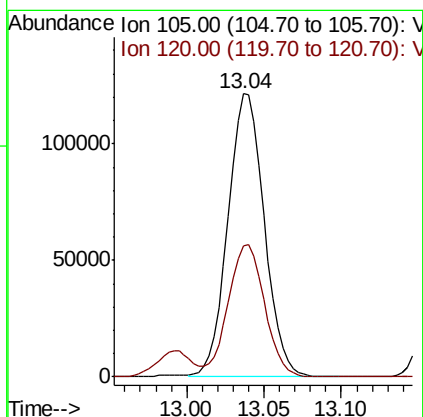
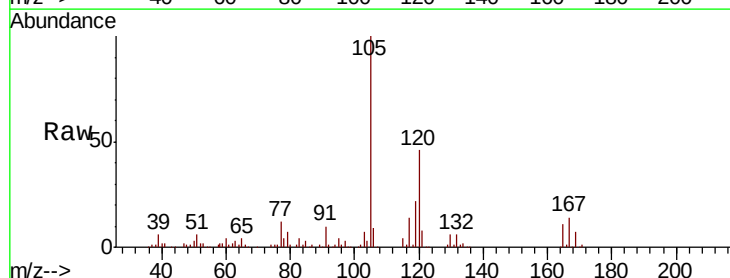
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

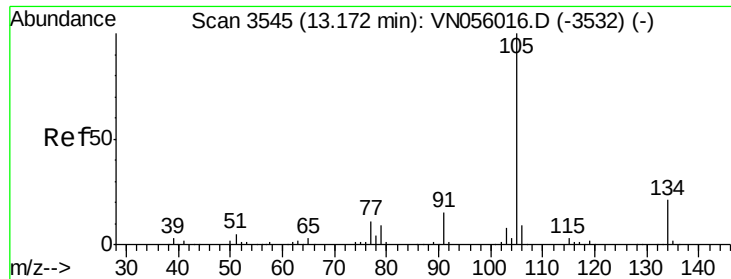
Tot Ion:119 Resp: 186455
Ion Ratio Lower Upper
119 100
91 61.1 0.0 122.8
134 25.2 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 19.818 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:105 Resp: 198146
Ion Ratio Lower Upper
105 100
120 46.2 0.0 93.4

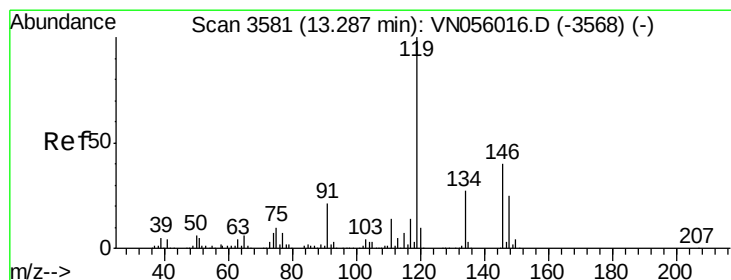
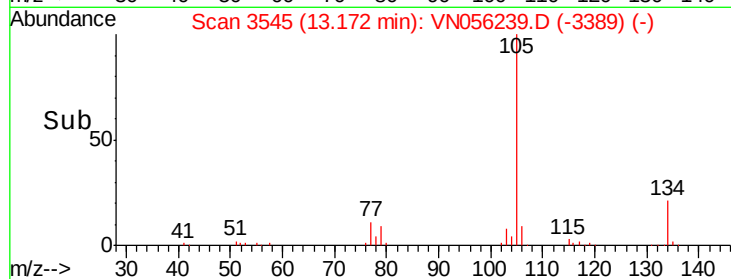
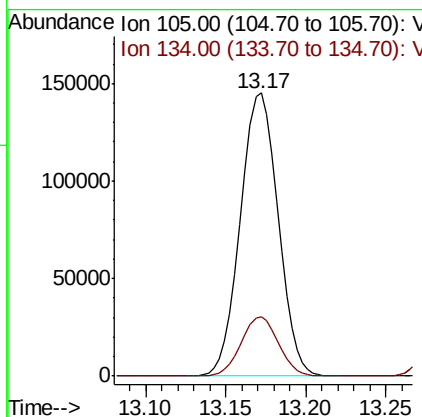
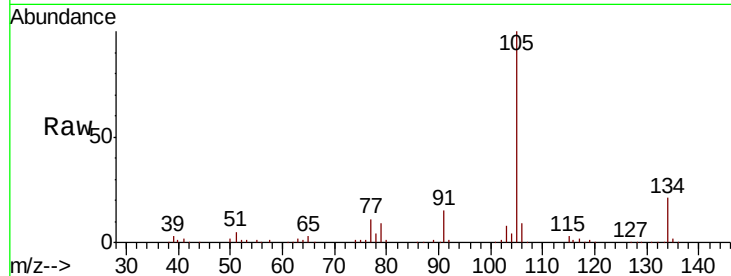




#81
 sec-Butylbenzene
 Concen: 20.309 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

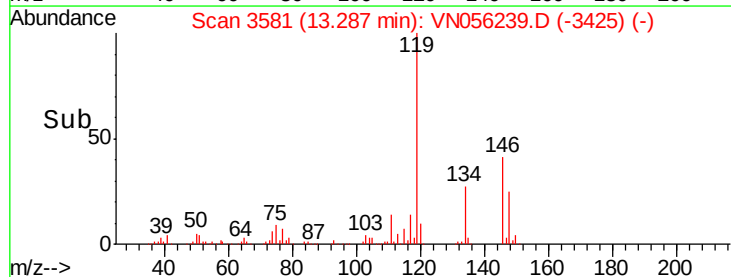
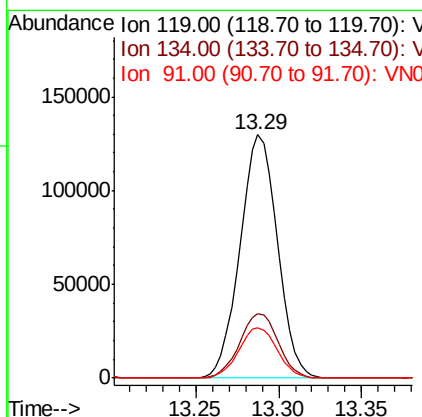
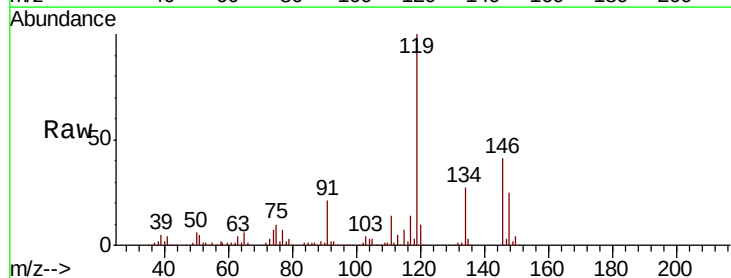
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

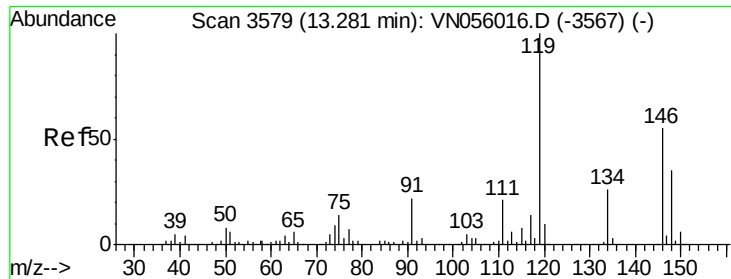
Tot Ion:105 Resp: 233945
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 19.589 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion:119 Resp: 204015
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 53.4
 91 21.4 0.0 43.0

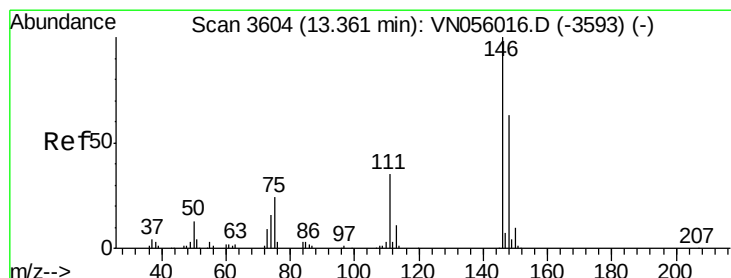
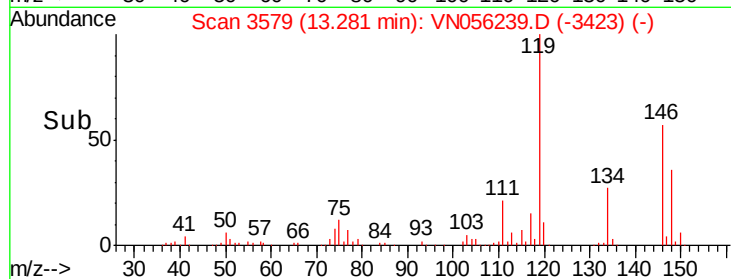
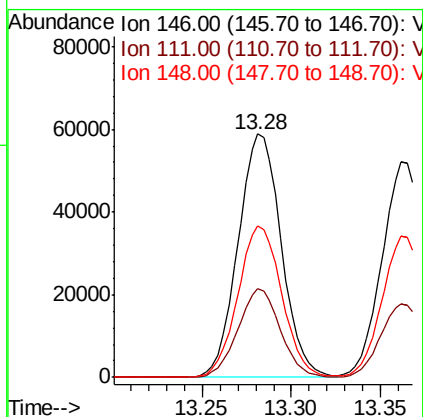
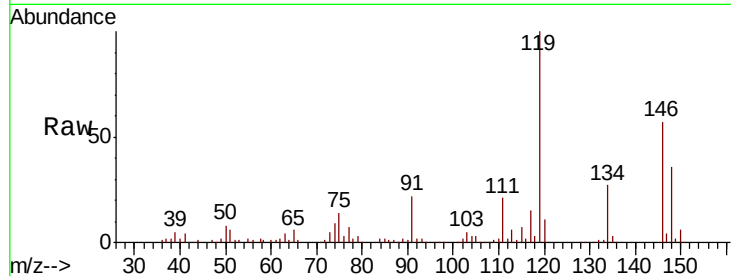




#83
 1,3-Dichlorobenzene
 Concen: 19.216 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

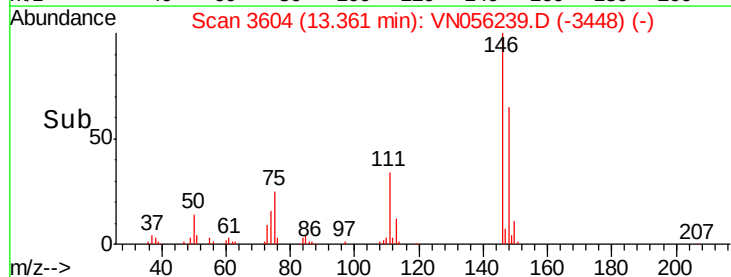
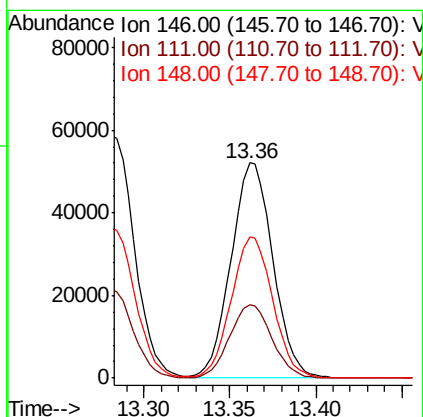
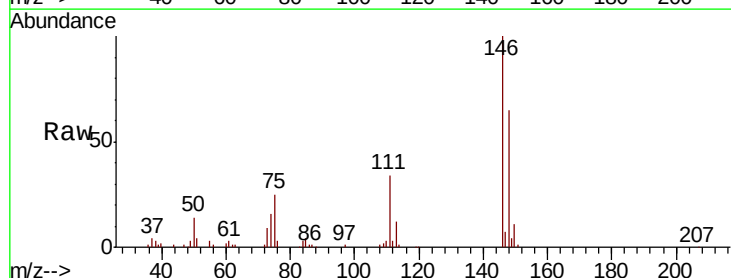
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

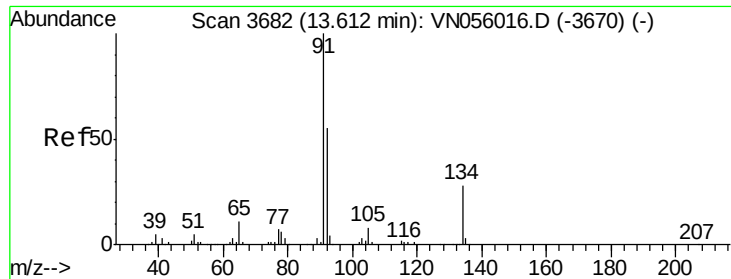
Tot Ion:146 Resp: 99318
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.2 54.6
 148 63.1 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.831 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion:146 Resp: 87786
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.6 52.9
 148 65.4 32.1 96.3





#85

n-Butylbenzene

Concen: 17.096 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS01

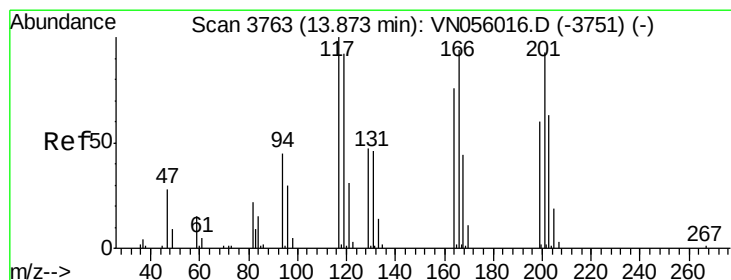
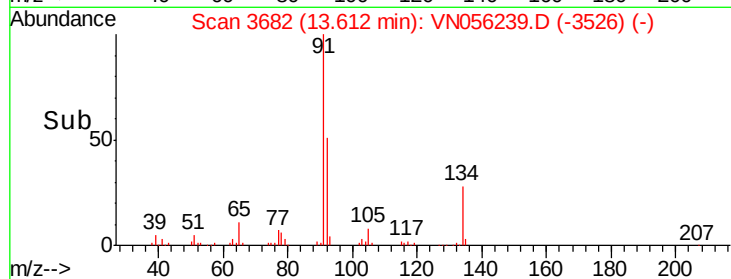
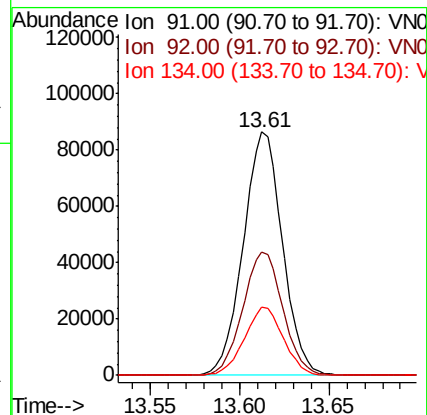
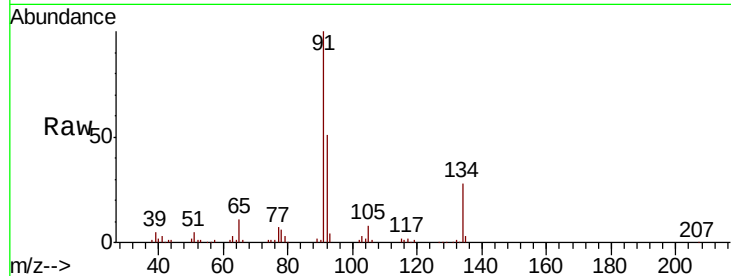
Tot Ion: 91 Resp: 132885

Ion Ratio Lower Upper

91 100

92 51.7 0.0 107.2

134 27.8 0.0 55.8



#86

Hexachloroethane

Concen: 20.815 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056239.D

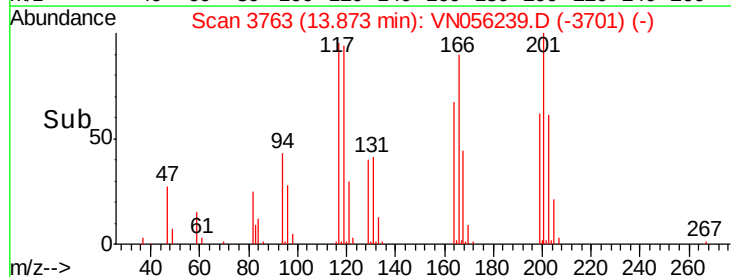
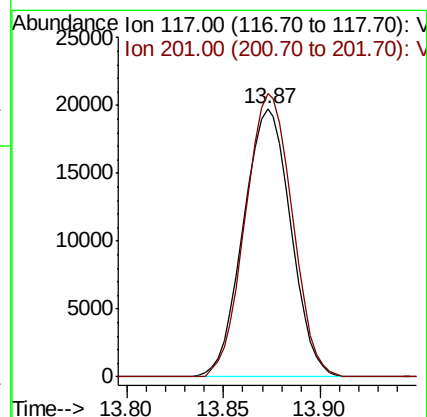
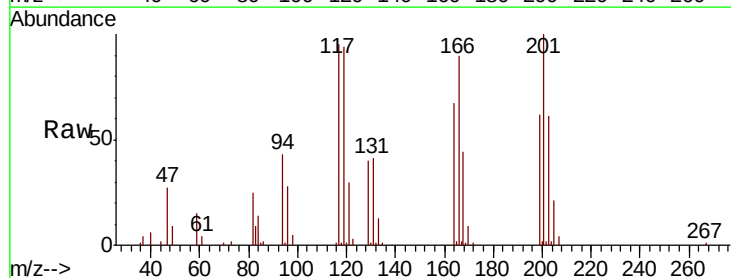
Acq: 12 Jun 2019 10:47

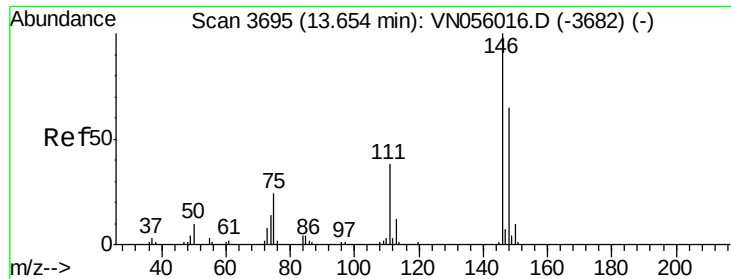
Tgt Ion: 117 Resp: 33796

Ion Ratio Lower Upper

117 100

201 104.5 48.1 144.4

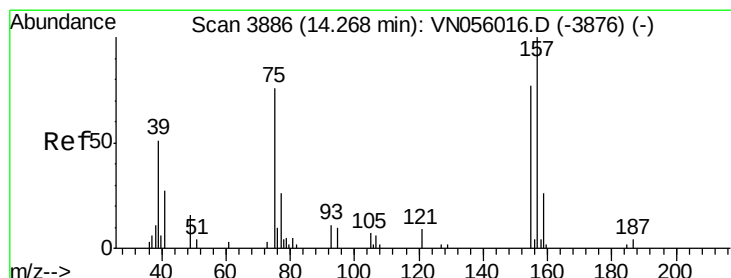
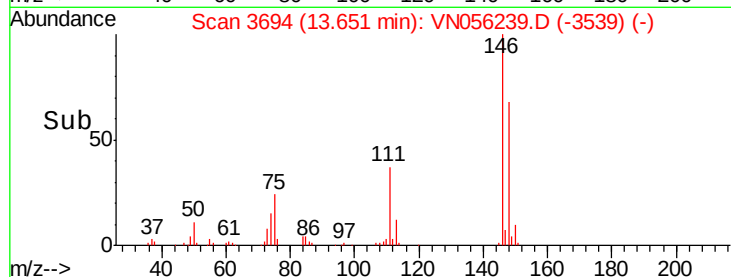
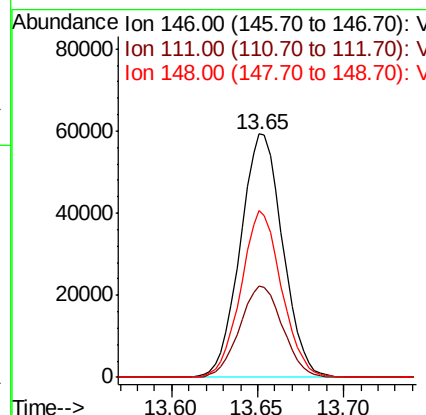
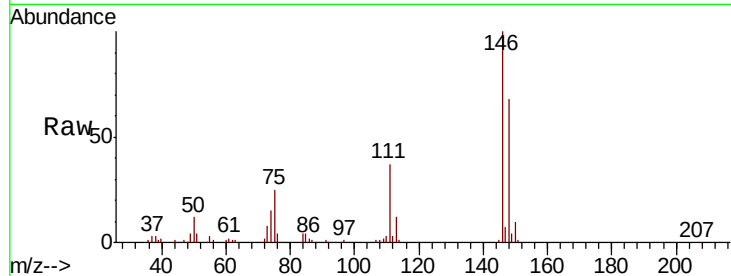




#87
 1,2-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

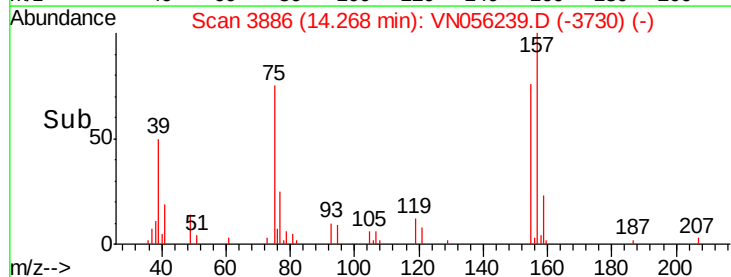
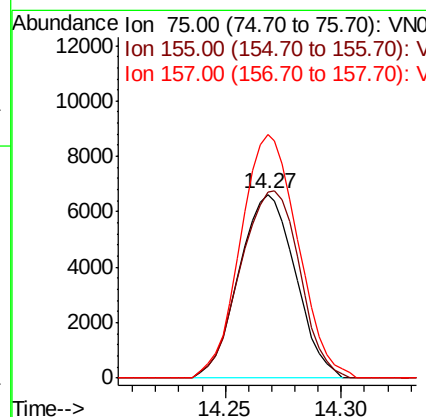
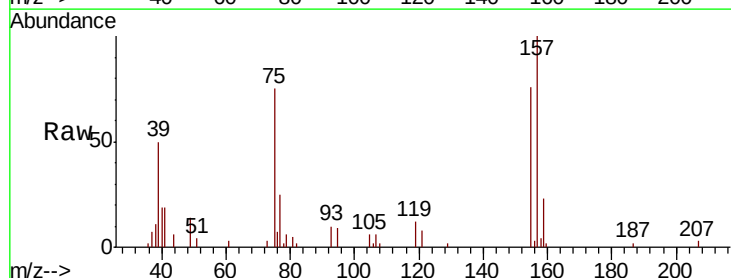
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

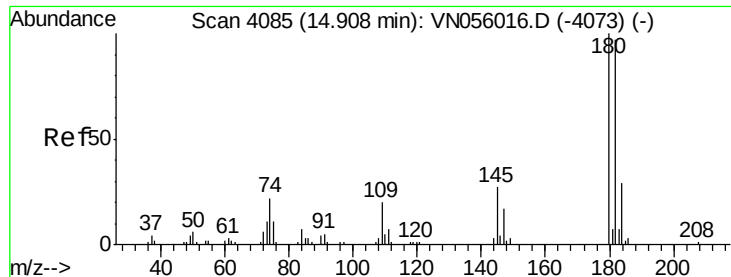
Tot Ion:146 Resp: 101404
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.3 57.9
 148 65.7 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.967 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 75 Resp: 11216
 Ion Ratio Lower Upper
 75 100
 155 107.1 82.5 123.7
 157 134.6 105.1 157.7

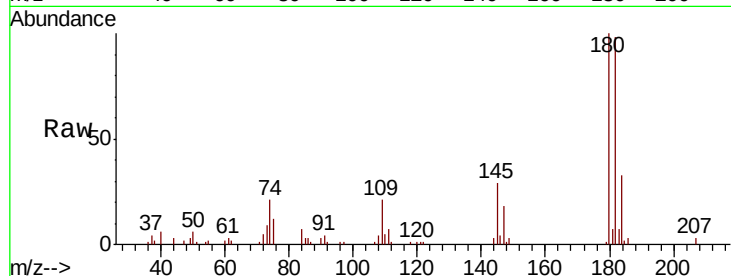




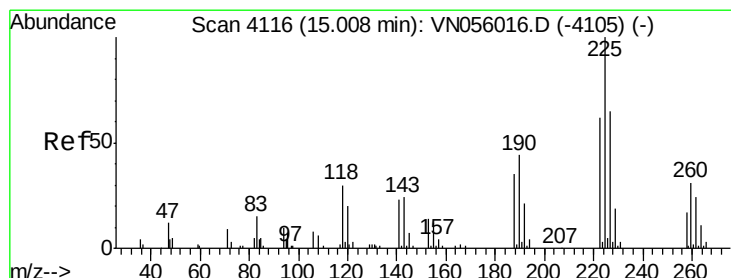
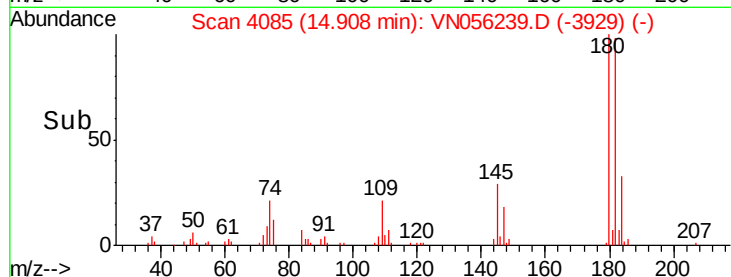
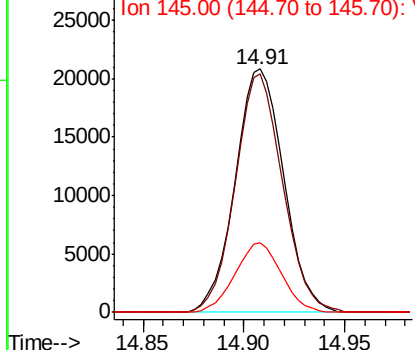
#89
1,2,4-Trichlorobenzene
Concen: 18.101 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

Tot Ion:180 Resp: 35179
Ion Ratio Lower Upper
180 100
182 95.3 75.0 112.6
145 27.3 22.1 33.1

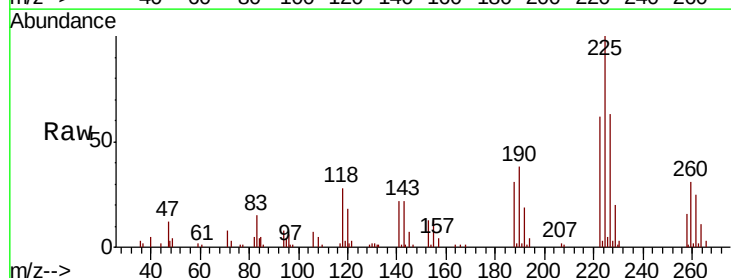


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

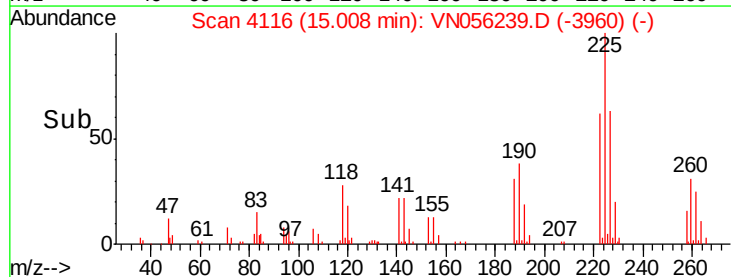
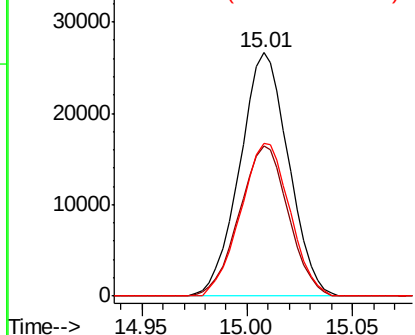


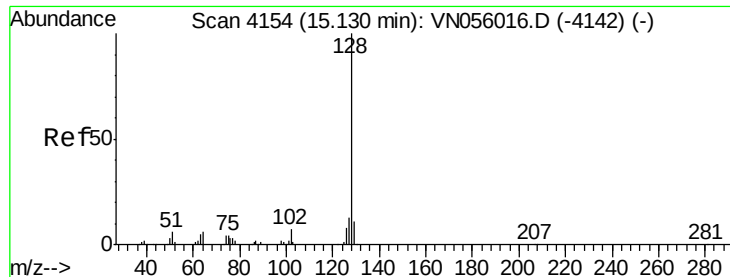
#90
Hexachlorobutadiene
Concen: 22.323 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:225 Resp: 42813
Ion Ratio Lower Upper
225 100
223 62.0 0.0 125.6
227 63.2 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 12.761 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

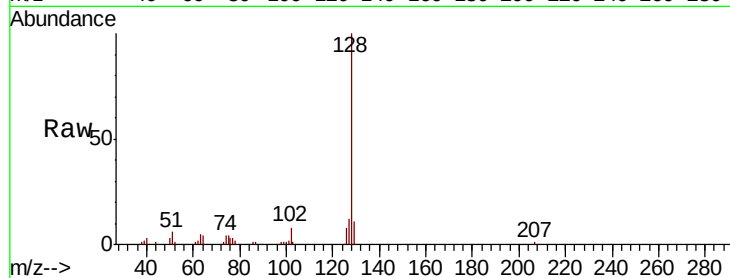
Tot Ion:128 Resp: 89040

Ion Ratio Lower Upper

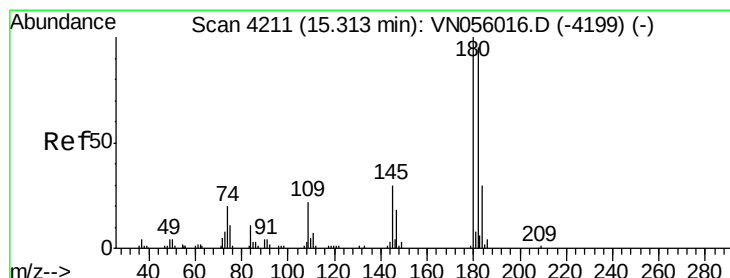
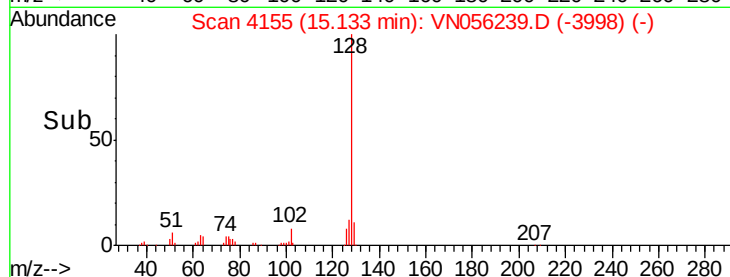
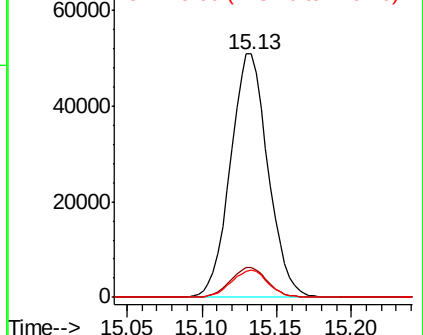
128 100

127 12.0 10.4 15.6

129 10.9 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: 15.545 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

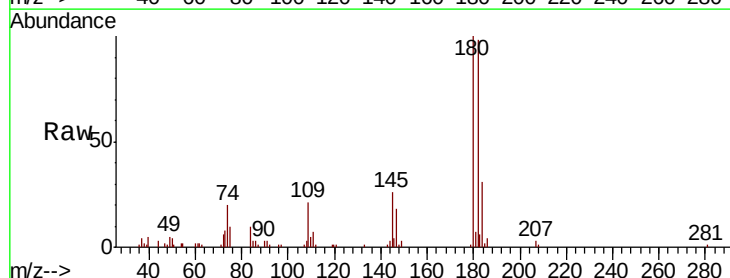
Tgt Ion:180 Resp: 42750

Ion Ratio Lower Upper

180 100

182 96.4 0.0 193.4

145 28.2 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

