

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055736.D
 Acq On : 22 May 2019 23:12
 Operator : JC/SP
 Sample : VN0522WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Quant Time: May 23 06:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57833	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	314509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	271268	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113402	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	124070	29.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.00%
63) Toluene-d8	10.09	98	377381	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	47702	18.812	ug/l 98
3) Chloromethane	2.06	50	71192	19.738	ug/l 97
4) Vinyl Chloride	2.19	62	74591	20.263	ug/l 100
5) Bromomethane	2.54	94	46874	21.749	ug/l 99
6) Chloroethane	2.69	64	46106	21.440	ug/l 96
7) Trichlorofluoromethane	3.01	101	93974	20.348	ug/l 99
8) Diethyl Ether	3.40	74	42869	21.116	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57621	19.746	ug/l 99
10) 1,1-Dichloroethene	3.72	96	62410	20.445	ug/l 97
11) Methyl Iodide	3.94	142	84187	19.332	ug/l 99
12) Methyl Acetate	4.33	43	72716	19.477	ug/l 100
13) Acrolein	3.60	56	46901	90.411	ug/l 100
14) Acrylonitrile	4.99	53	170436	100.132	ug/l 99
15) Acetone	3.82	58	46247	87.486	ug/l 95
16) Carbon Disulfide	4.04	76	176467	20.163	ug/l 98
17) Allyl chloride	4.31	41	107064	19.474	ug/l 99
18) Methylene Chloride	4.55	84	71019	20.314	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	66336	20.201	ug/l 99
20) Diisopropyl ether	5.96	45	214053	20.070	ug/l 97
21) 1,1-Dichloroethane	5.84	63	120902	20.058	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	77948	20.353	ug/l 96
23) tert-Butyl Alcohol	4.81	59	72053	96.388	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	210881	20.360	ug/l 99
25) Chloroform	7.37	83	124223	20.866	ug/l 99
26) Cyclohexane	7.65	56	108741	19.555	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	88665	20.138	ug/l 99
30) 2-Butanone	6.84	43	222889	94.978	ug/l 99
31) 2,2-Dichloropropane	6.82	77	90242	17.613	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	108329	20.758	ug/l 99
33) Carbon Tetrachloride	7.77	117	96021	20.569	ug/l 99
34) Benzene	8.04	78	280848	20.661	ug/l 99
35) Methacrylonitrile	7.18	41	46071	21.270	ug/l 90
36) 1,2-Dichloroethane	8.12	62	90970	20.479	ug/l 100
37) Trichloroethene	8.83	130	76430	20.152	ug/l 99
38) Methylcyclohexane	9.08	83	105560	18.923	ug/l 99
39) 1,2-Dichloropropane	9.12	63	72265	19.776	ug/l 95
40) Dibromomethane	9.21	93	49219	20.859	ug/l 95

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Quant Time: May 23 06:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	99113	20.494	ug/l	98
42) Vinyl Acetate	5.90	43	915298	100.457	ug/l	99
43) Ethyl Acetate	6.93	43	90994	19.726	ug/l #	100
44) Isopropyl Acetate	8.17	43	150266	19.672	ug/l #	87
45) 1,4-Dioxane	9.21	88	28441	395.781	ug/l	97
46) Methyl methacrylate	9.20	41	69616	19.534	ug/l	98
47) n-amyl Acetate	12.07	43	119969	18.989	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	103034	19.301	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	114546	19.603	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	70139	20.418	ug/l	98
51) Ethyl methacrylate	10.43	69	110747	20.002	ug/l	100
52) 1,3-Dichloropropane	10.71	76	113076	19.970	ug/l	99
53) Dibromochloromethane	10.90	129	81620	20.113	ug/l	98
54) 1,2-Dibromoethane	11.01	107	72852	20.495	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	201277	93.429	ug/l	99
56) Bromoform	12.13	173	63419	19.052	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	455231	101.371	ug/l	99
59) 2-Hexanone	10.75	43	312982	97.488	ug/l	99
61) Tetrachloroethene	10.63	164	76306	20.780	ug/l	96
62) Toluene	10.16	91	305410	20.936	ug/l	99
64) Chlorobenzene	11.43	112	182644	20.640	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	74399	20.867	ug/l	99
66) Ethyl Benzene	11.51	91	326074	20.458	ug/l	100
67) m/p-Xylenes	11.62	106	248104	40.977	ug/l	99
68) o-Xylene	11.95	106	124343	20.753	ug/l	98
69) Styrene	11.96	104	199770	20.209	ug/l	99
70) Isopropylbenzene	12.25	105	321801	20.527	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	98014	20.316	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	119652	28.816	ug/l	66
73) Bromobenzene	12.53	156	81261	19.594	ug/l	98
74) n-propylbenzene	12.59	91	334102	19.761	ug/l	100
75) 2-Chlorotoluene	12.68	91	208958	20.232	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	260741	20.122	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29370	17.807	ug/l	97
78) 4-Chlorotoluene	12.77	91	193152	19.733	ug/l	99
79) tert-butylbenzene	12.99	119	234735	20.605	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	258011	20.058	ug/l	98
81) sec-Butylbenzene	13.17	105	287880	19.889	ug/l	100
82) p-Isopropyltoluene	13.29	119	263341	19.769	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	124611	19.167	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	117142	18.920	ug/l	98
85) n-Butylbenzene	13.61	91	194525	18.771	ug/l	99
86) Hexachloroethane	13.87	117	52365	19.986	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	128719	19.662	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17527	19.168	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	57663	16.318	ug/l	99
90) Hexachlorobutadiene	15.01	225	45986	17.441	ug/l	99
91) Naphthalene	15.13	128	165820	17.174	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62555	16.938	ug/l	97

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

Quant Time: May 23 06:05:11 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

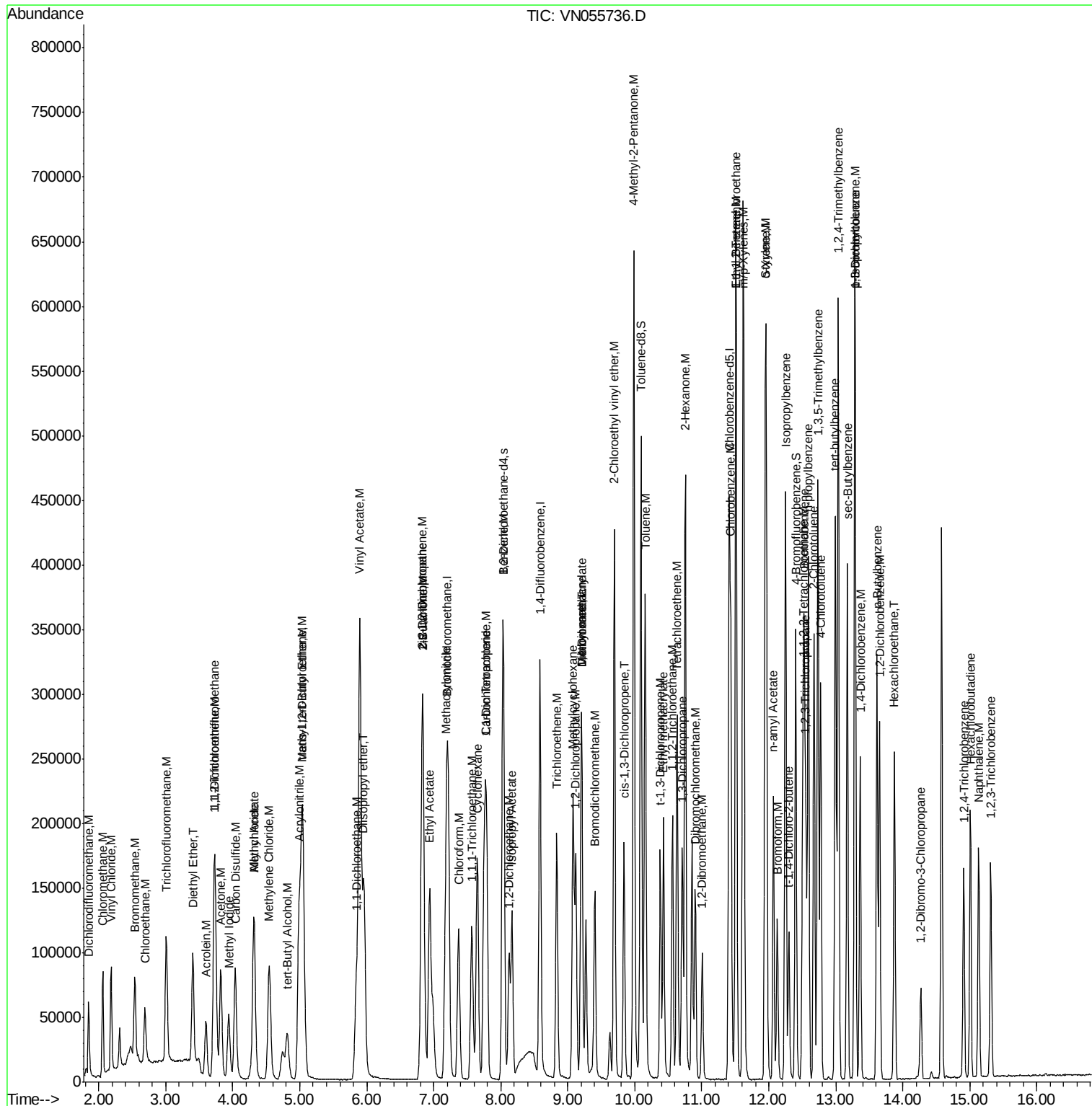
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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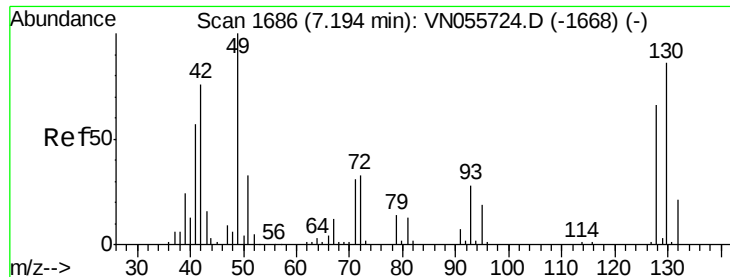
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055736.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 23 06:05:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
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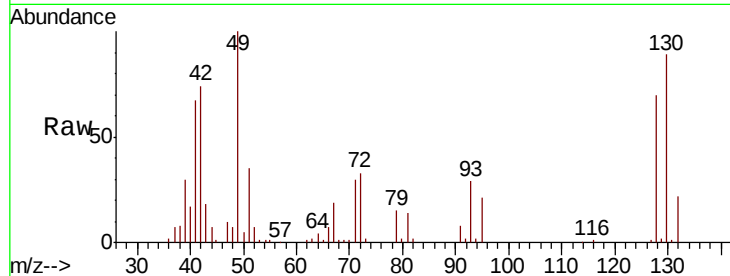




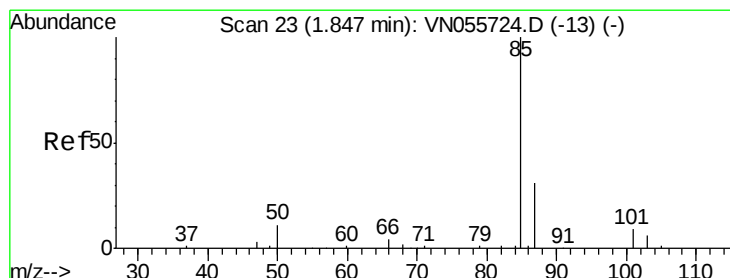
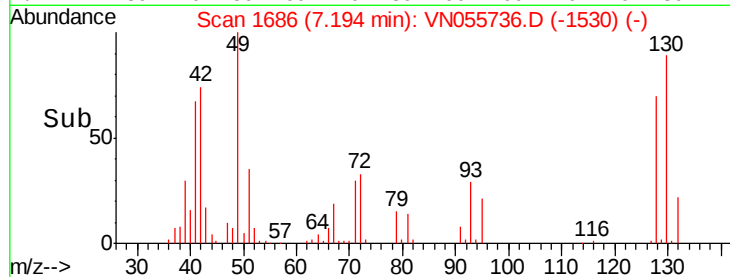
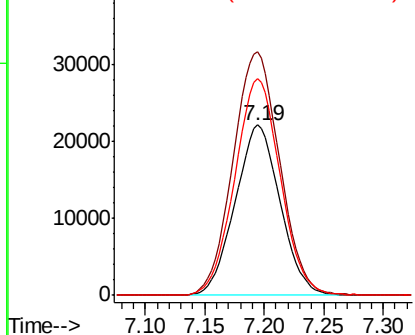
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Tot Ion:128 Resp: 57833
 Ion Ratio Lower Upper
 128 100
 49 148.2 0.0 383.2
 130 128.6 0.0 326.3

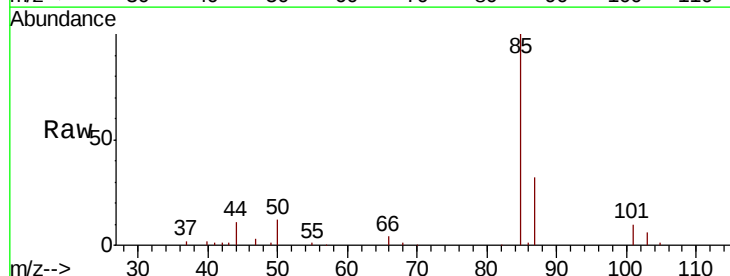


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

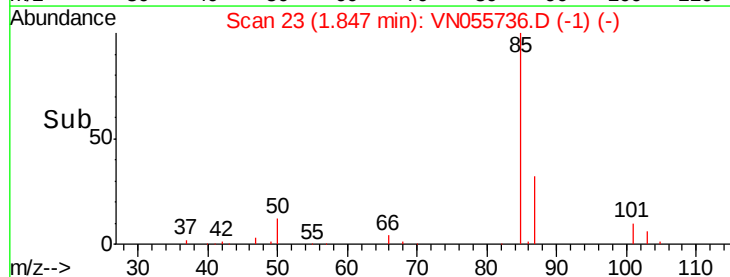
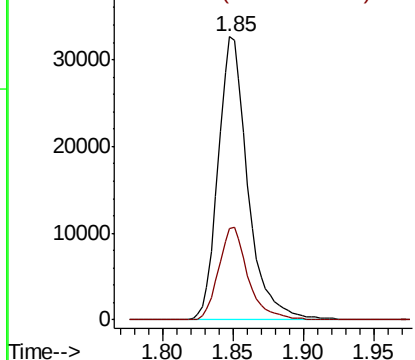


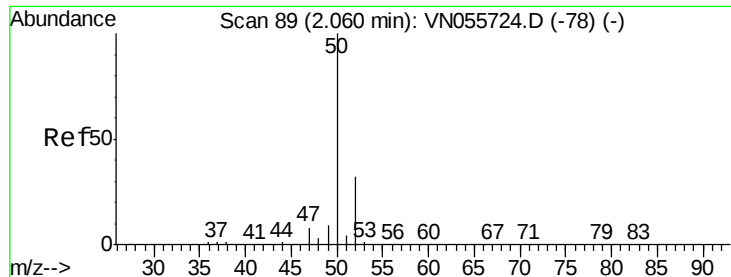
#2
 Dichlorodifluoromethane
 Concen: 18.812 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 85 Resp: 47702
 Ion Ratio Lower Upper
 85 100
 87 32.5 15.7 47.0



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





#3

Chloromethane

Concen: 19.738 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

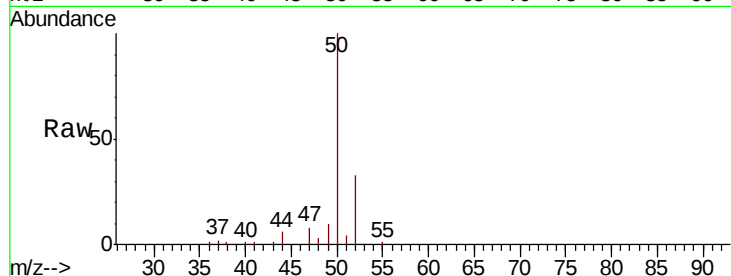
VN0522WBSD01

Tot Ion: 50 Resp: 71192

Ion Ratio Lower Upper

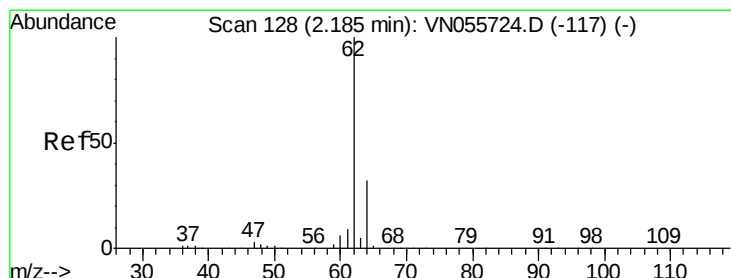
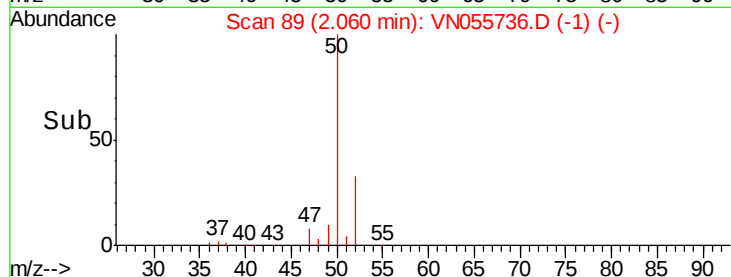
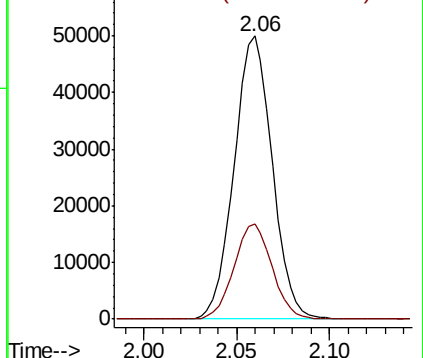
50 100

52 33.5 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.263 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055736.D

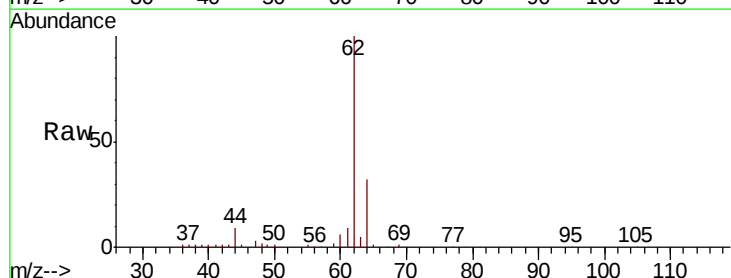
Acq: 22 May 2019 23:12

Tgt Ion: 62 Resp: 74591

Ion Ratio Lower Upper

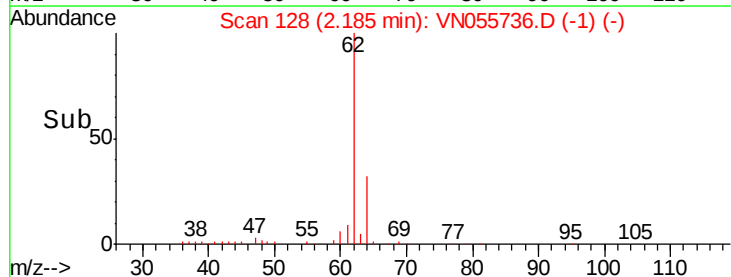
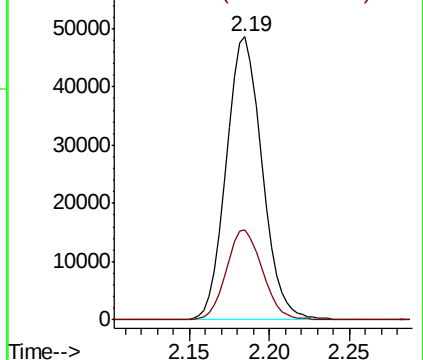
62 100

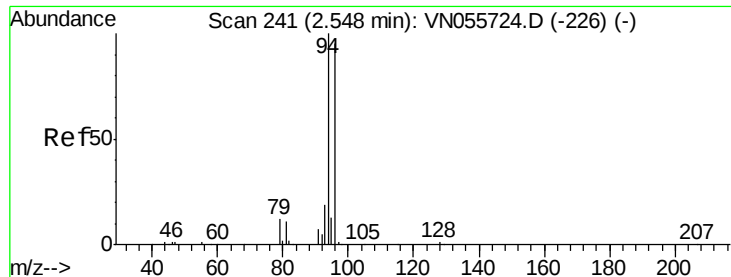
64 31.9 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.749 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

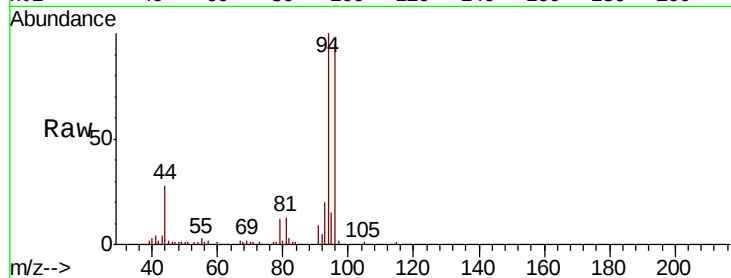
VN0522WBSD01

Tot Ion: 94 Resp: 46874

Ion Ratio Lower Upper

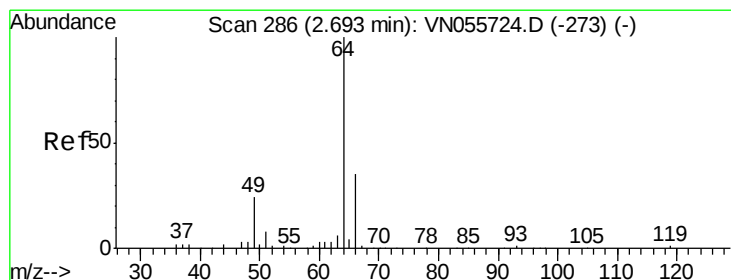
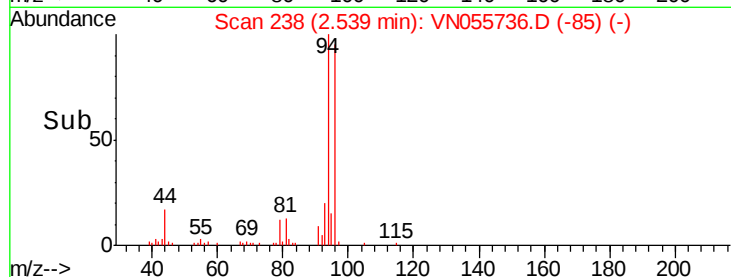
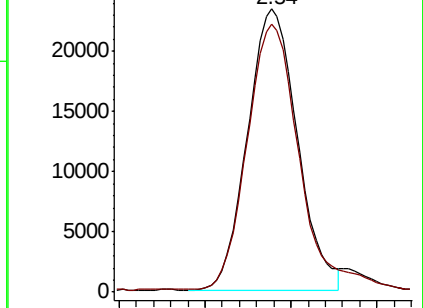
94 100

96 94.2 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055724.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN055724.D (-226) (-)



#6

Chloroethane

Concen: 21.440 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055736.D

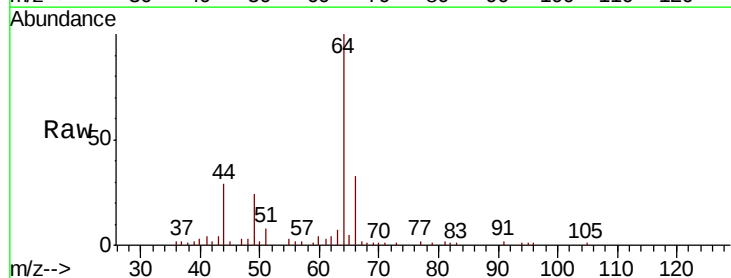
Acq: 22 May 2019 23:12

Tgt Ion: 64 Resp: 46106

Ion Ratio Lower Upper

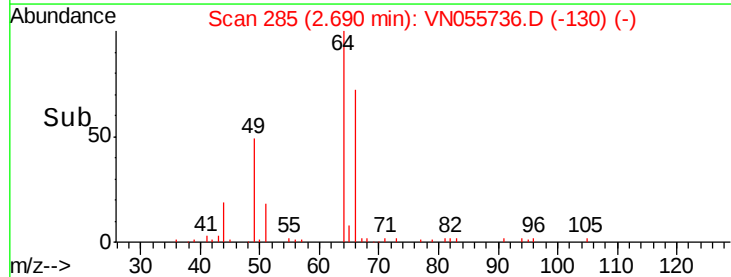
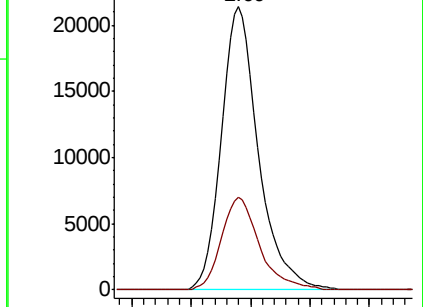
64 100

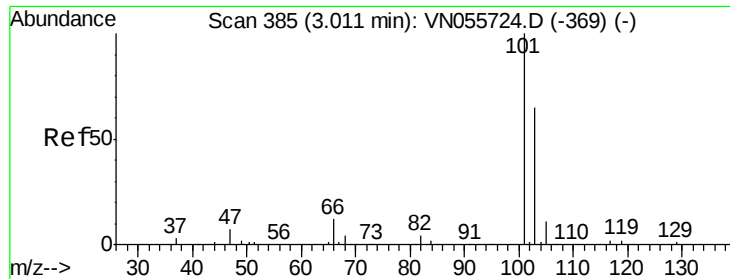
66 32.7 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055724.D (-273) (-)

Ion 66.00 (65.70 to 66.70): VN055724.D (-273) (-)



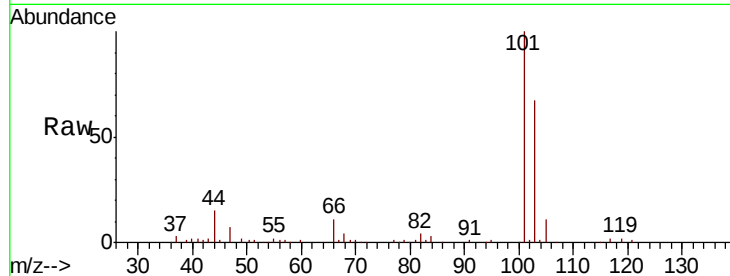


#7

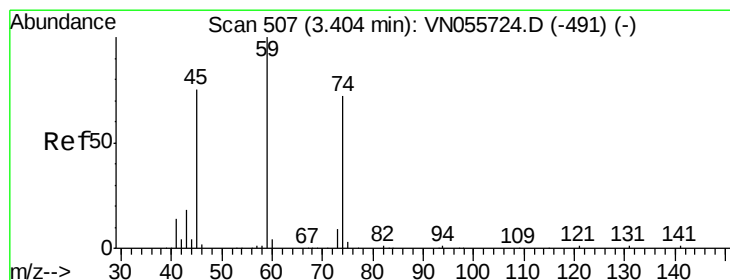
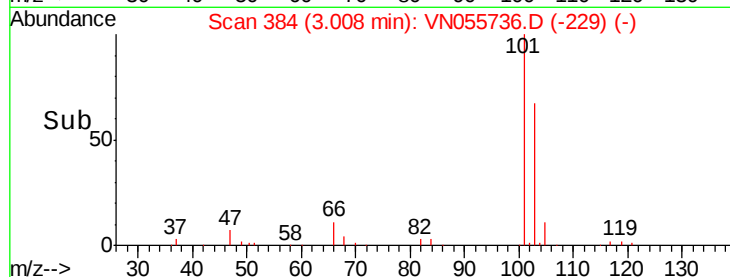
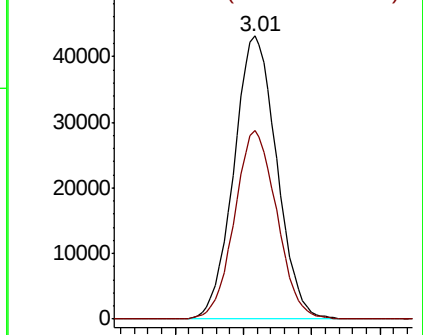
Trichlorofluoromethane
 Concen: 20.348 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Tot Ion:101 Resp: 93974
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.6 78.8



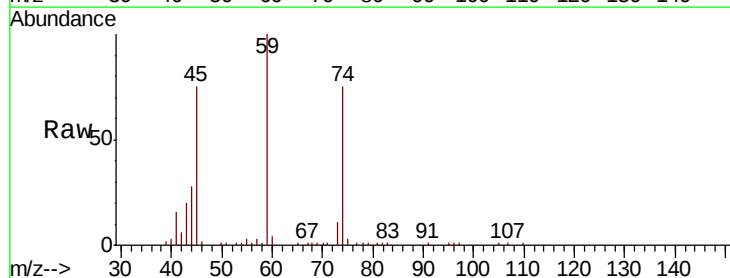
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



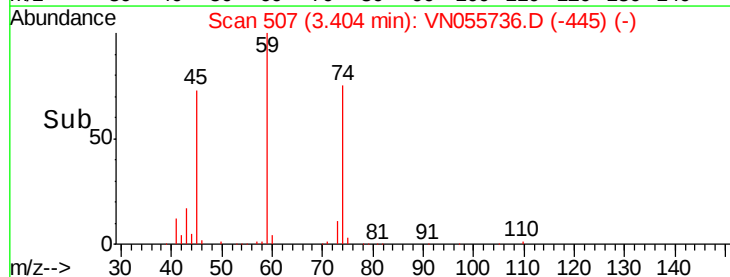
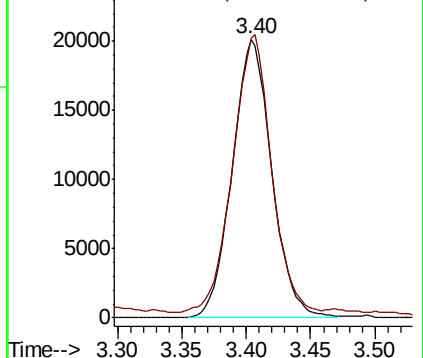
#8

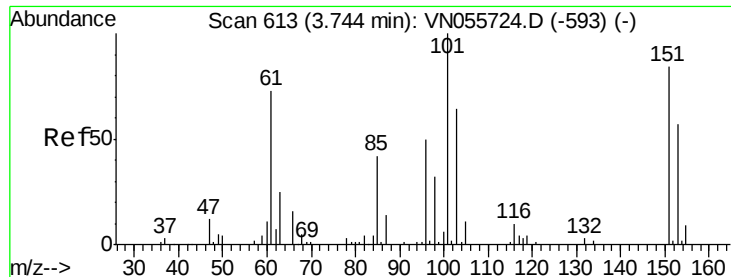
Diethyl Ether
 Concen: 21.116 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 74 Resp: 42869
 Ion Ratio Lower Upper
 74 100
 45 97.5 20.4 184.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.746 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

VN0522WBSD01

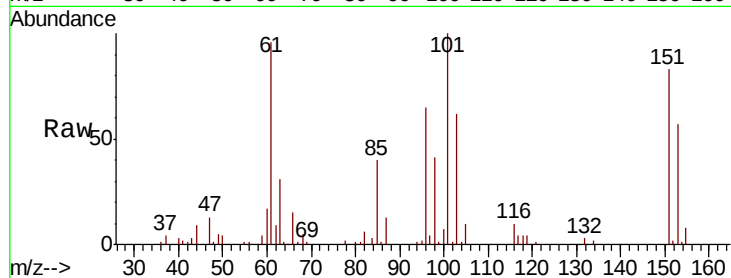
Tot Ion:101 Resp: 57621

Ion Ratio Lower Upper

101 100

85 41.3 0.0 86.6

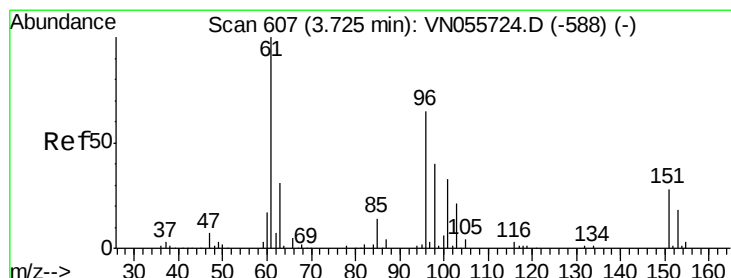
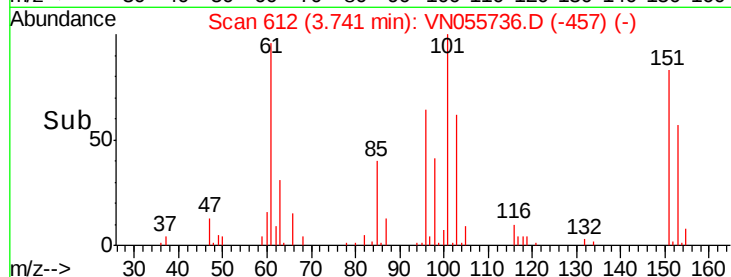
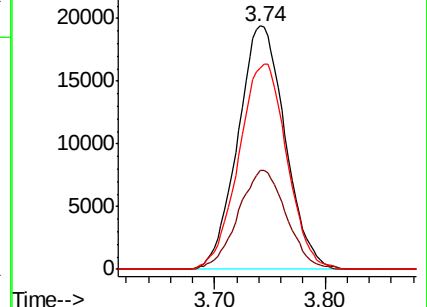
151 85.9 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.445 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

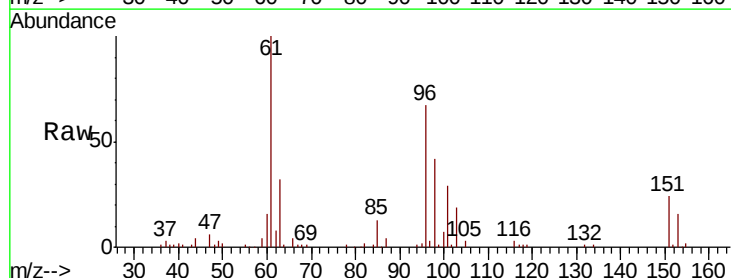
Tgt Ion: 96 Resp: 62410

Ion Ratio Lower Upper

96 100

61 148.8 123.7 185.5

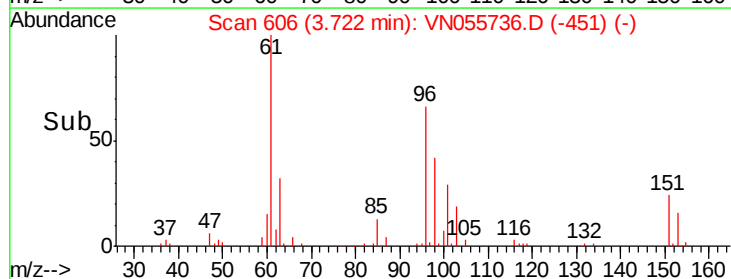
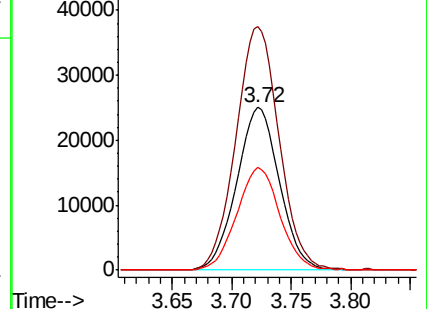
98 62.9 50.0 75.0

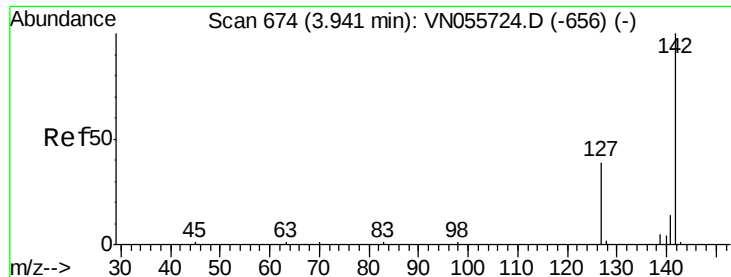


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

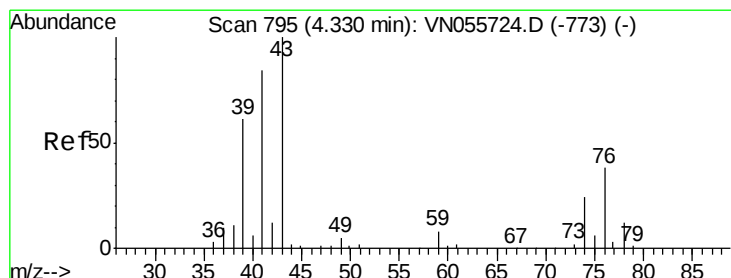
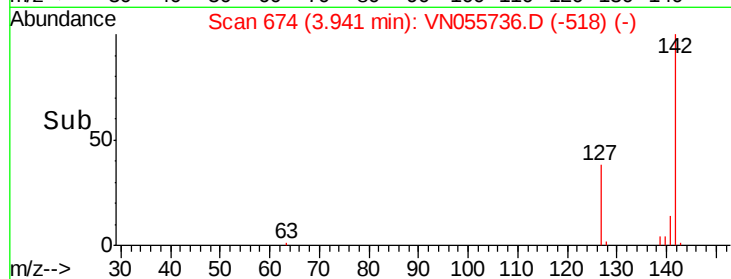
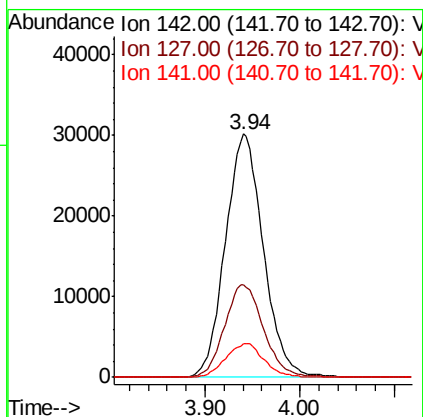
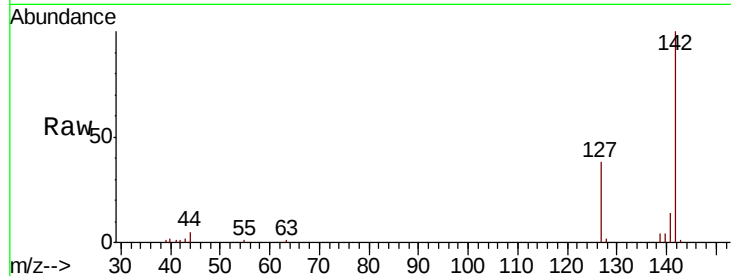




#11
Methyl Iodide
Concen: 19.332 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

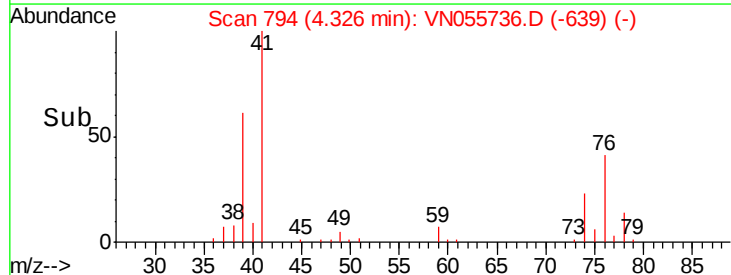
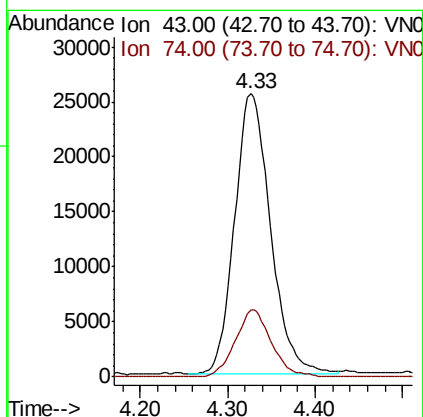
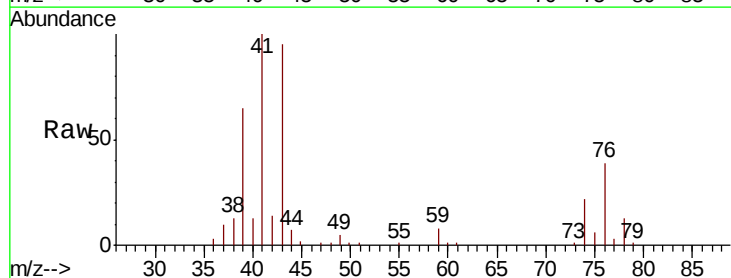
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

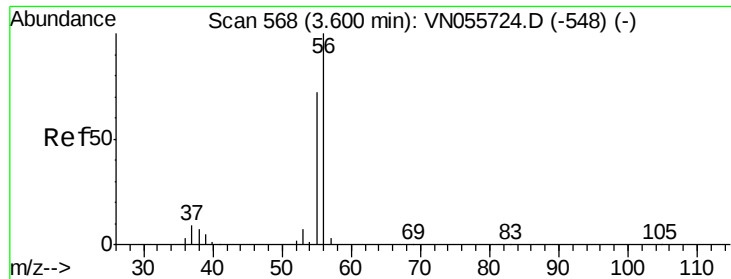
Tot Ion:142 Resp: 84187
Ion Ratio Lower Upper
142 100
127 38.0 19.6 58.7
141 13.7 6.9 20.6



#12
Methyl Acetate
Concen: 19.477 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 43 Resp: 72716
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8





#13

Acrolein

Concen: 90.411 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

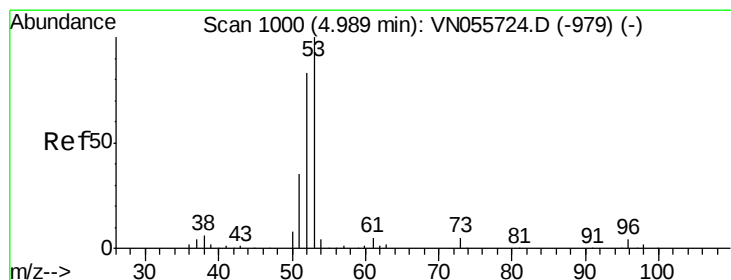
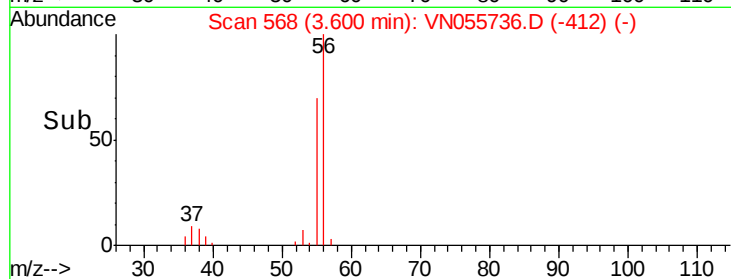
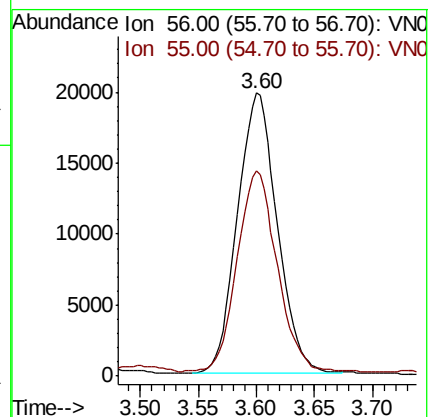
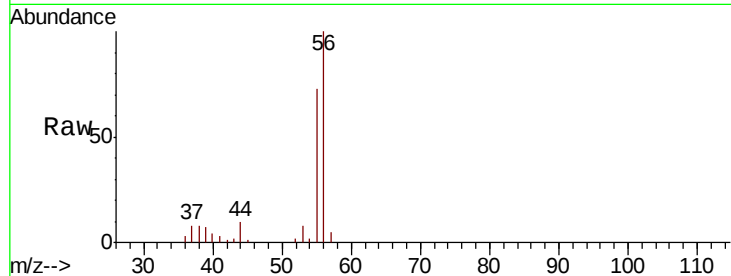
VN0522WBSD01

Tot Ion: 56 Resp: 46901

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.6



#14

Acrylonitrile

Concen: 100.132 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

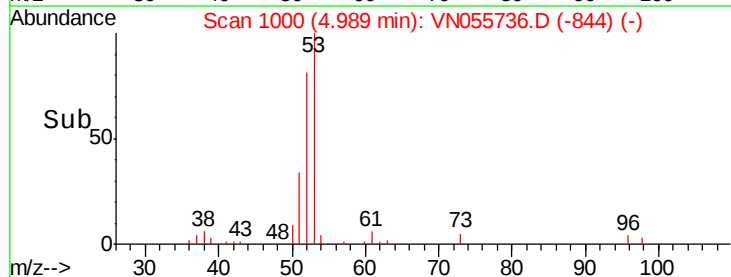
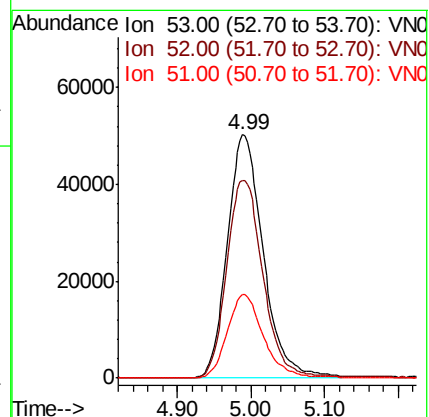
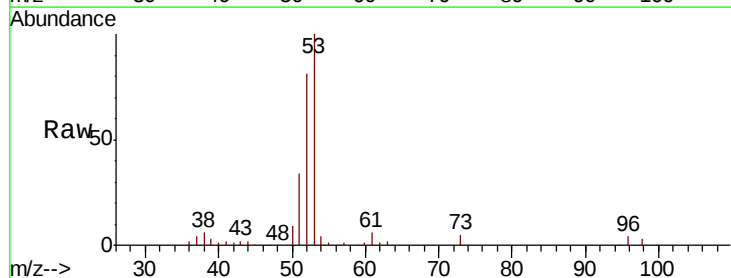
Tgt Ion: 53 Resp: 170436

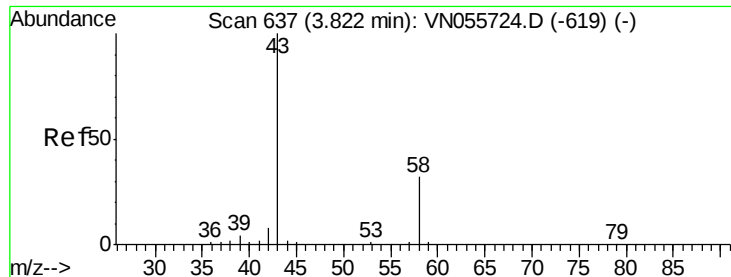
Ion Ratio Lower Upper

53 100

52 81.7 41.1 123.4

51 34.6 17.5 52.6





#15

Acetone

Concen: 87.486 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

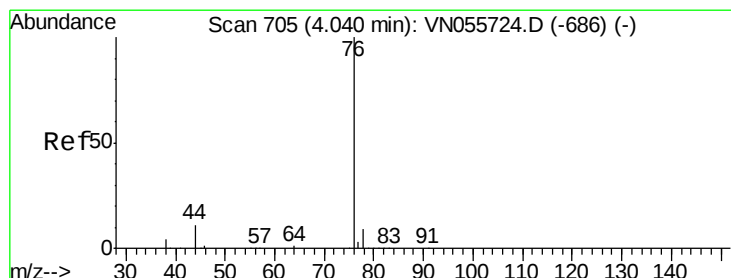
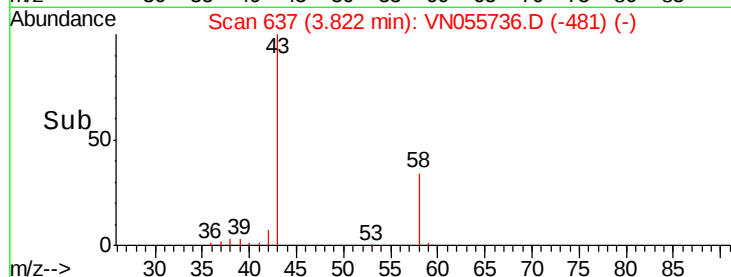
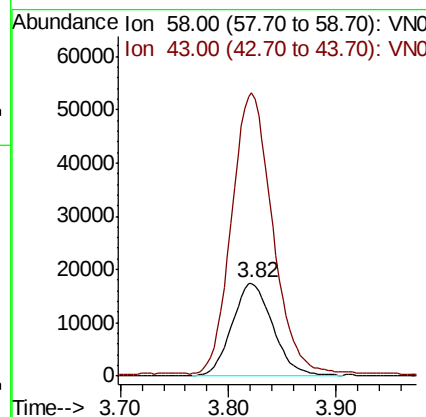
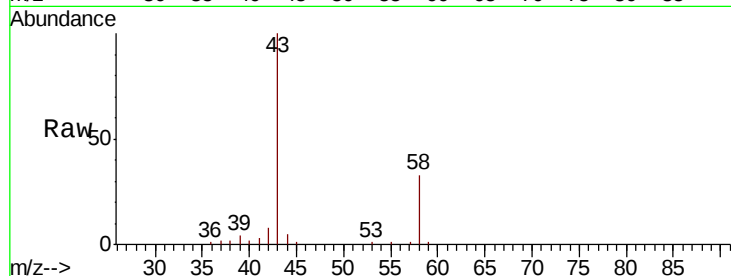
VN0522WBSD01

Tot Ion: 58 Resp: 46247

Ion Ratio Lower Upper

58 100

43 301.0 248.8 373.2



#16

Carbon Disulfide

Concen: 20.163 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055736.D

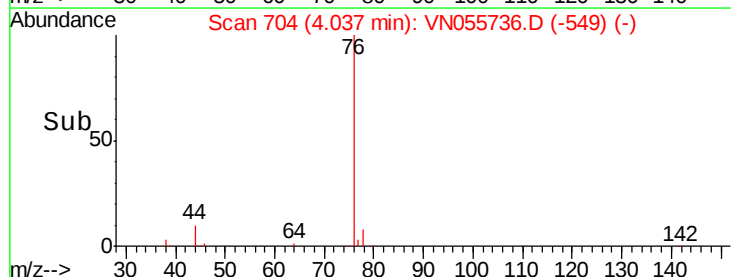
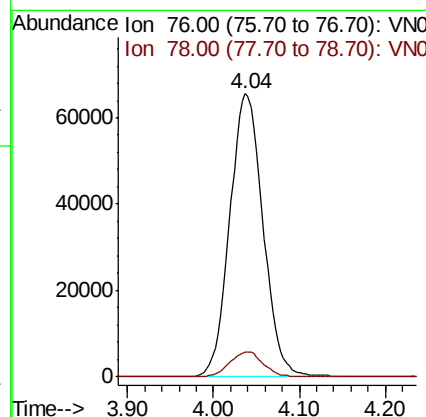
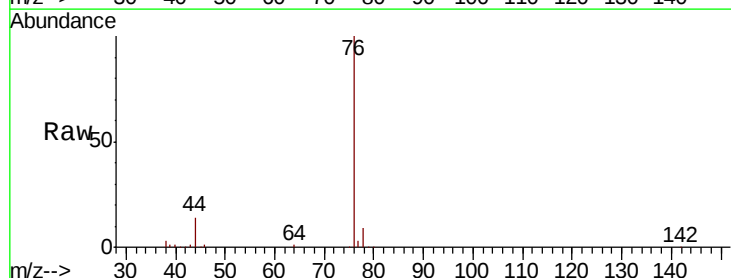
Acq: 22 May 2019 23:12

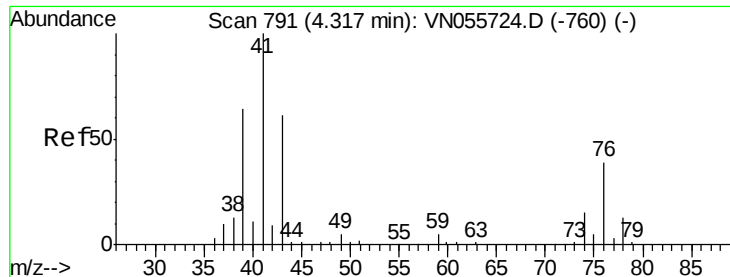
Tgt Ion: 76 Resp: 176467

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

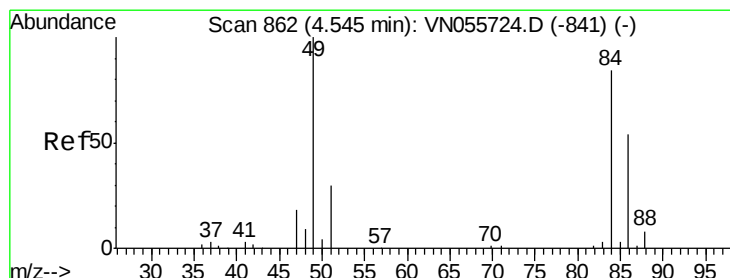
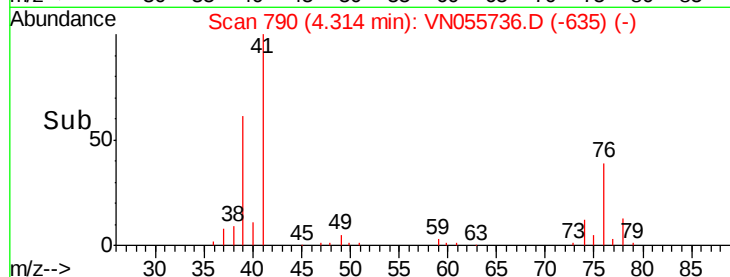
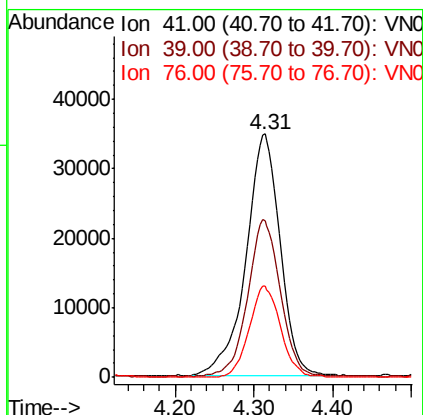
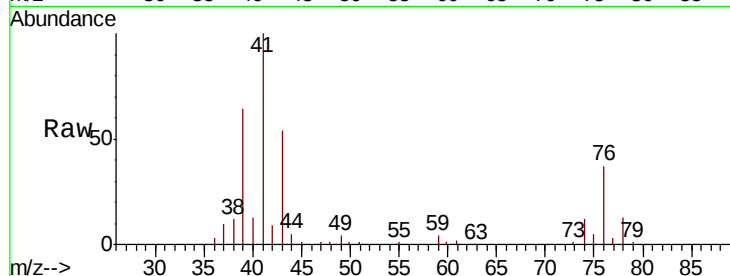




#17
Allvl chloride
Concen: 19.474 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

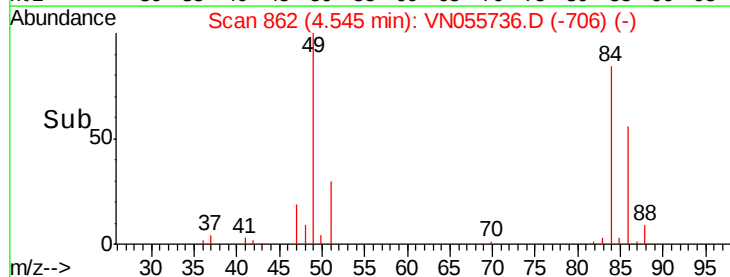
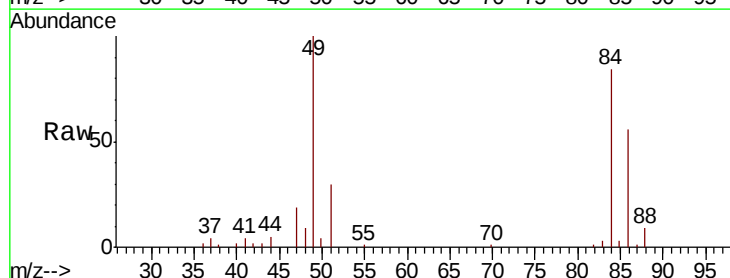
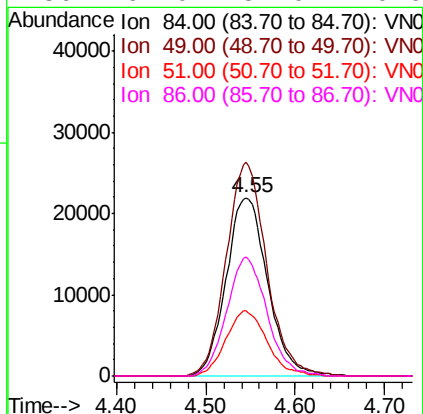
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

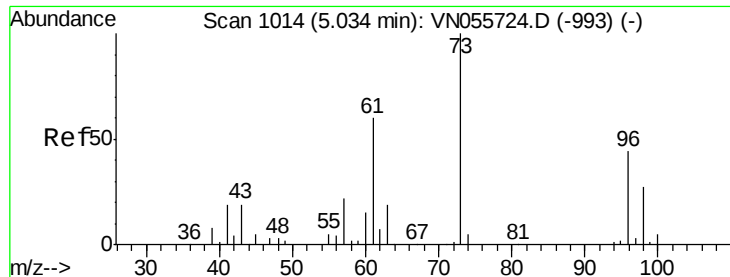
Tot Ion: 41 Resp: 107064
Ion Ratio Lower Upper
41 100
39 64.0 31.8 95.3
76 37.5 19.3 57.9



#18
Methylene Chloride
Concen: 20.314 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 84 Resp: 71019
Ion Ratio Lower Upper
84 100
49 118.9 94.7 142.1
51 36.3 28.6 43.0
86 67.0 51.0 76.6

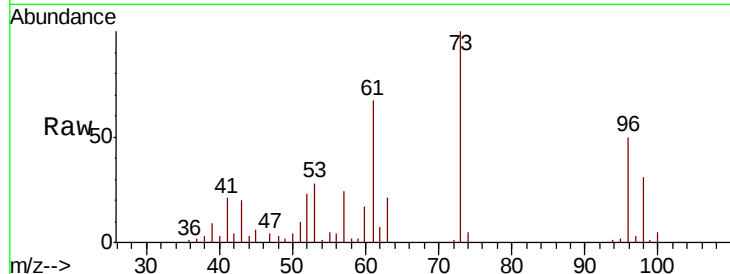




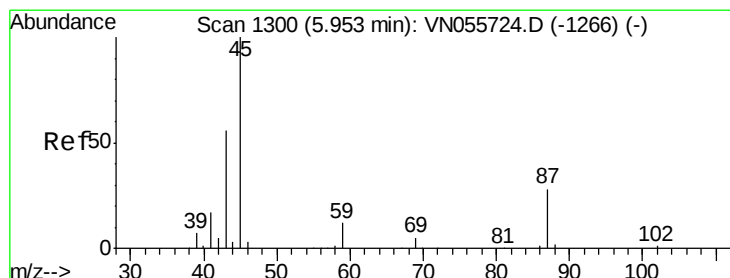
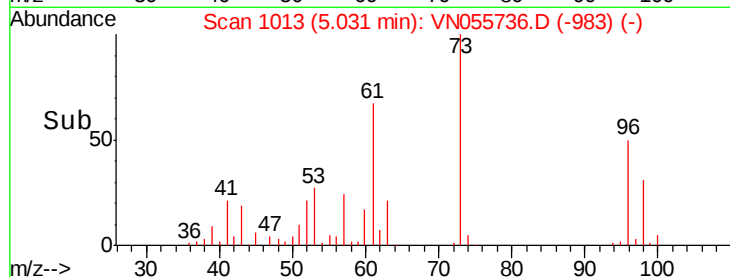
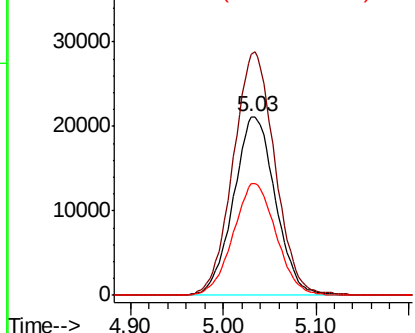
#19
trans-1,2-Dichloroethene
Concen: 20.201 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

Tot Ion: 96 Resp: 66336
Ion Ratio Lower Upper
96 100
61 135.1 108.5 162.7
98 62.7 49.4 74.2

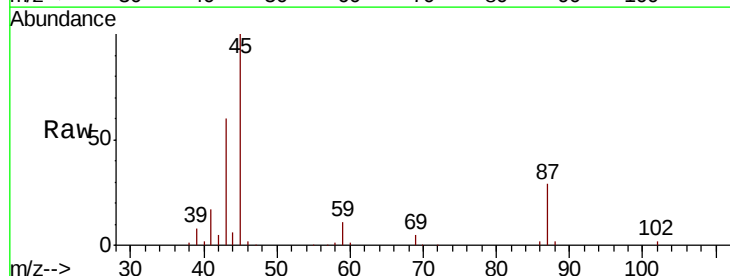


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

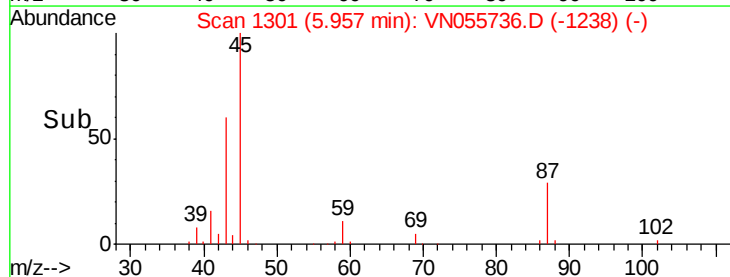
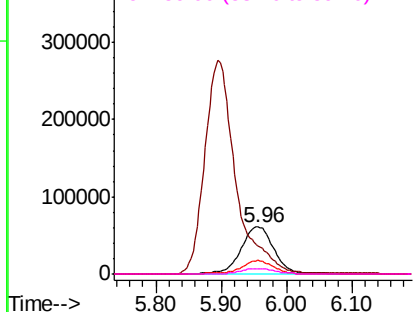


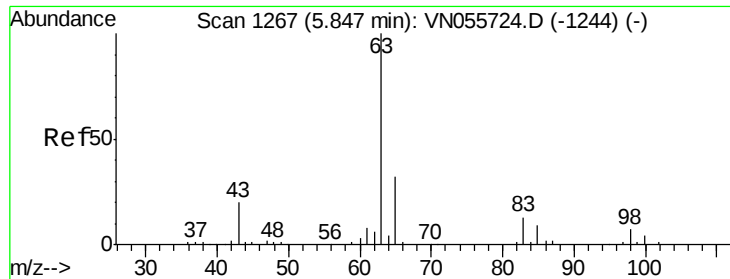
#20
Diisopropyl ether
Concen: 20.070 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 45 Resp: 214053
Ion Ratio Lower Upper
45 100
43 57.7 48.6 73.0
87 28.6 22.6 34.0
59 11.4 9.4 14.2



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

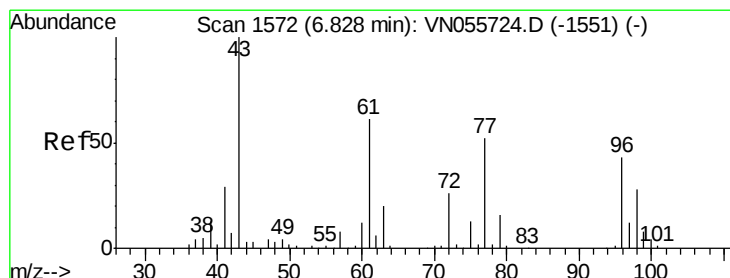
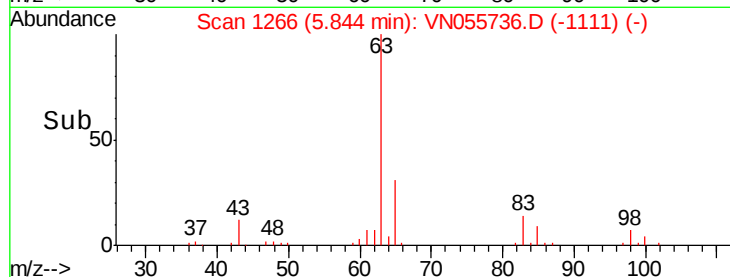
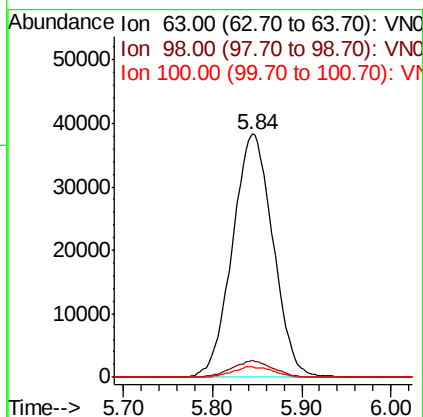
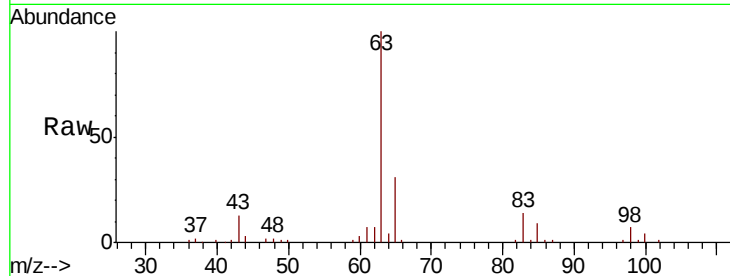




#21
 1,1-Dichloroethane
 Concen: 20.058 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

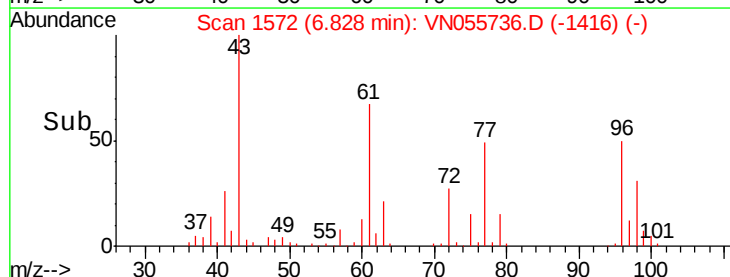
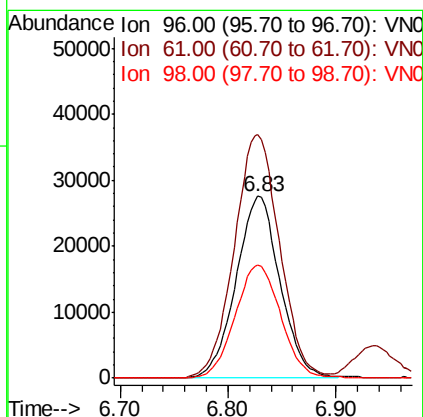
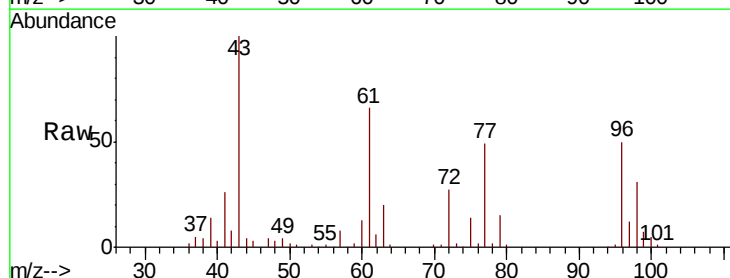
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

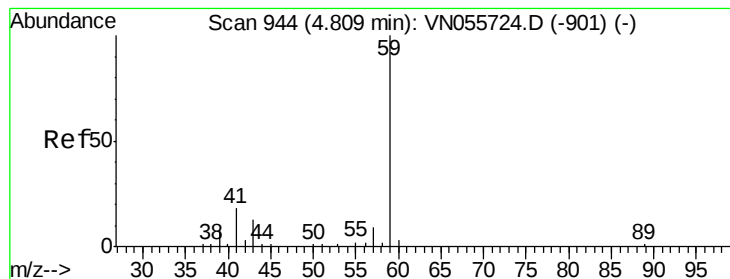
Tot Ion: 63 Resp: 120902
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.2 2.2 6.6



#22
 cis-1,2-Dichloroethene
 Concen: 20.353 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 96 Resp: 77948
 Ion Ratio Lower Upper
 96 100
 61 138.4 115.7 173.5
 98 64.6 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 96.388 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

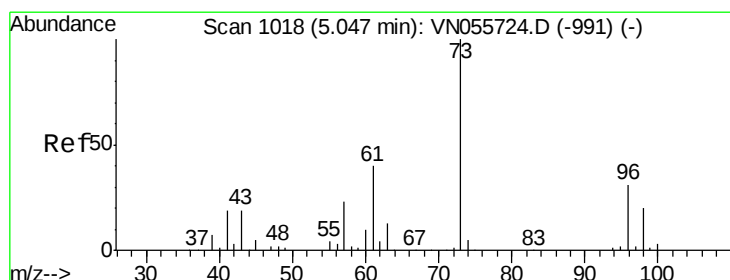
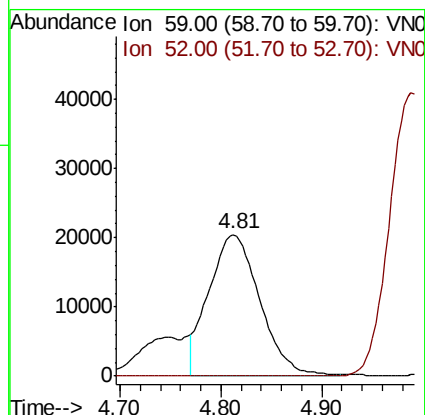
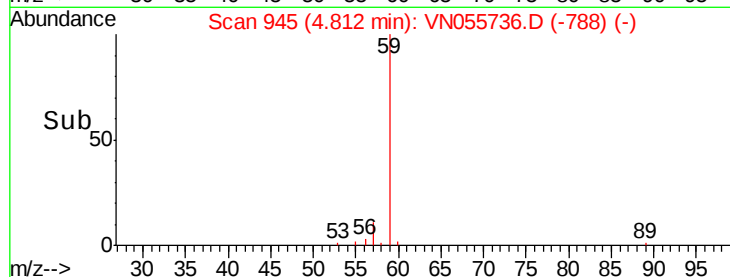
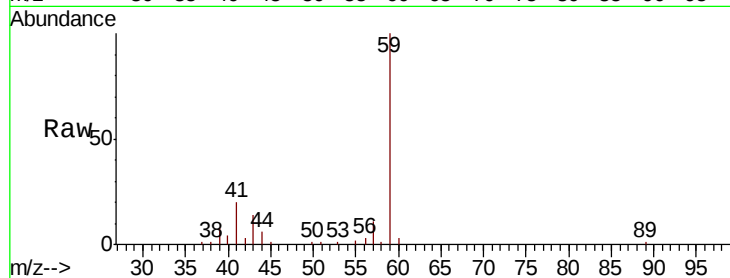
VN0522WBSD01

Tot Ion: 59 Resp: 72053

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 20.360 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055736.D

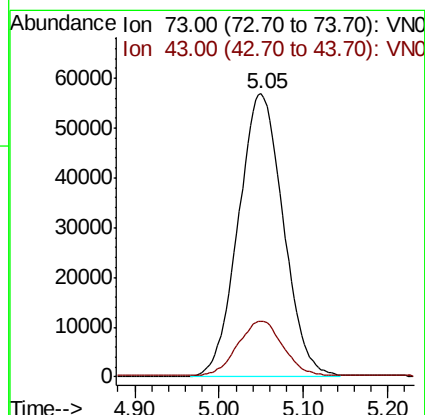
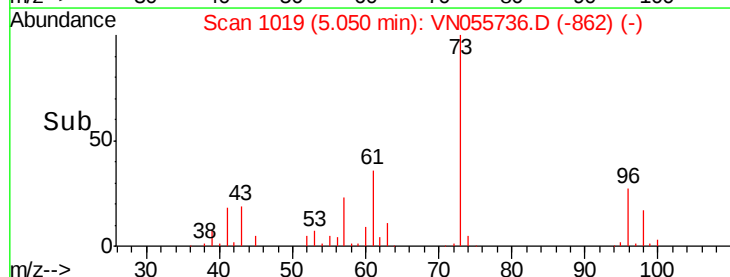
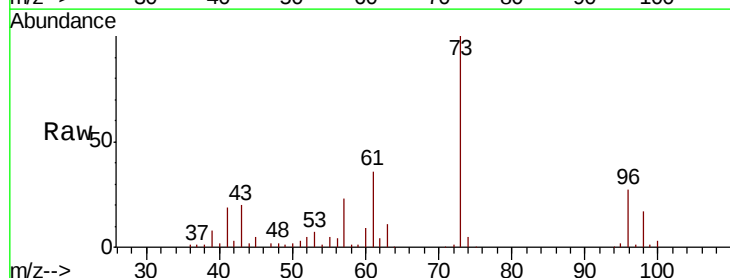
Acq: 22 May 2019 23:12

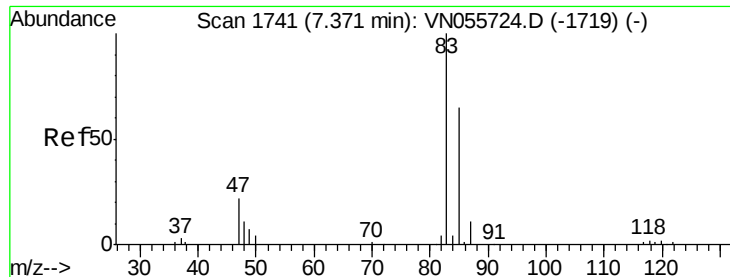
Tgt Ion: 73 Resp: 210881

Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

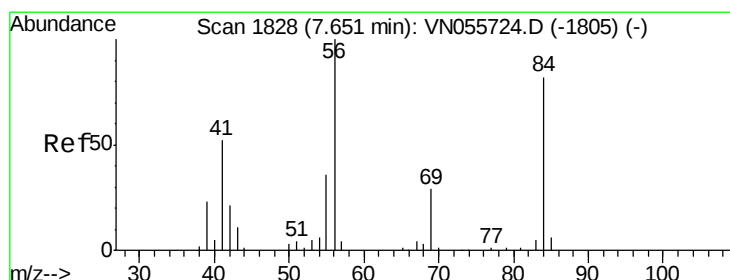
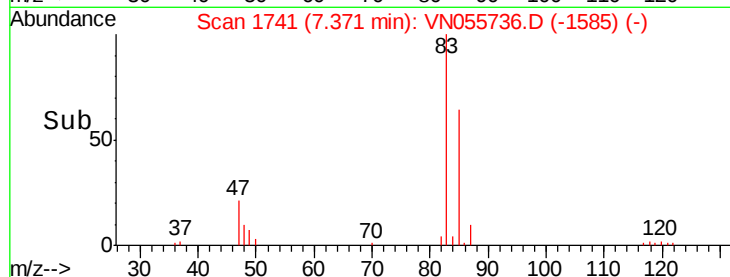
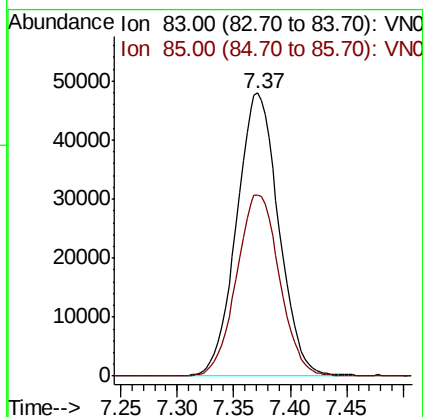
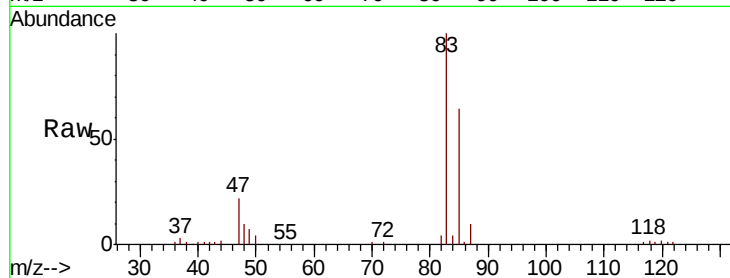




#25
Chloroform
Concen: 20.866 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

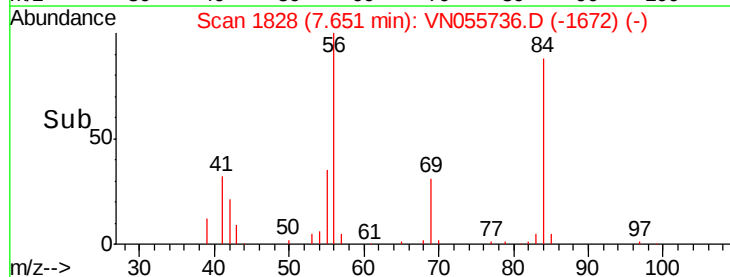
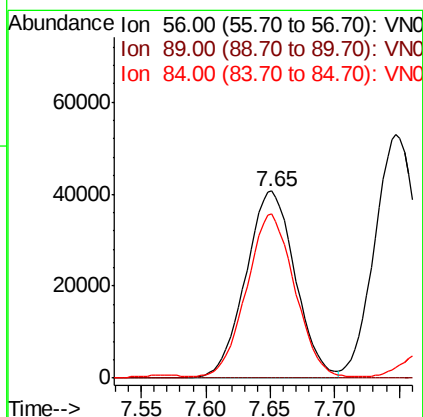
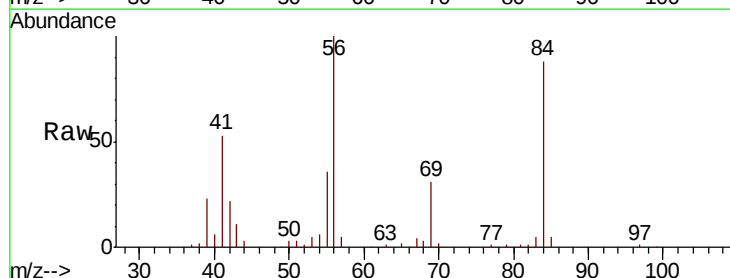
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

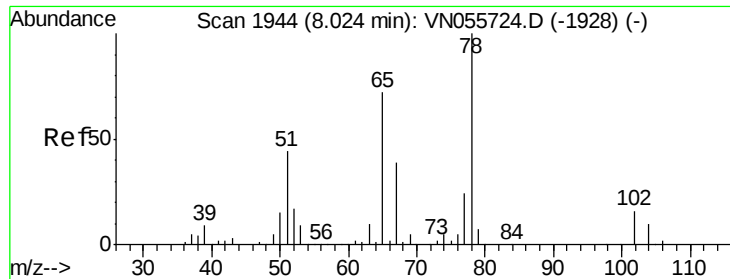
Tot Ion: 83 Resp: 124223
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5



#26
Cyclohexane
Concen: 19.555 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 56 Resp: 108741
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.1 67.2 100.8

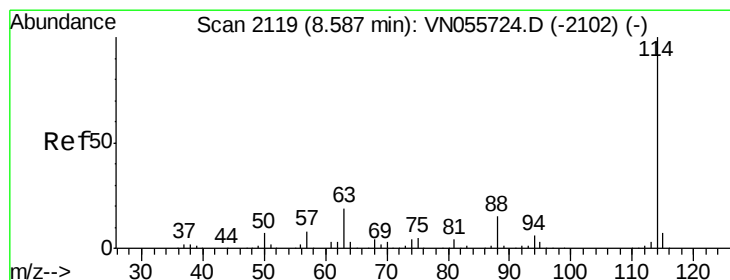
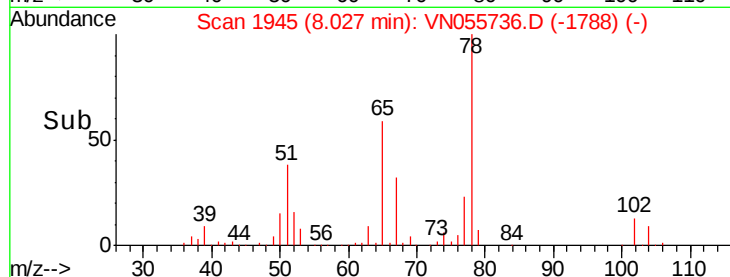
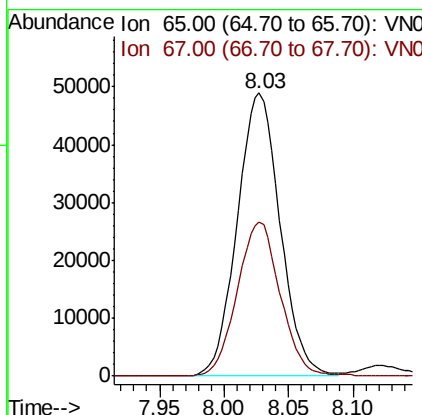
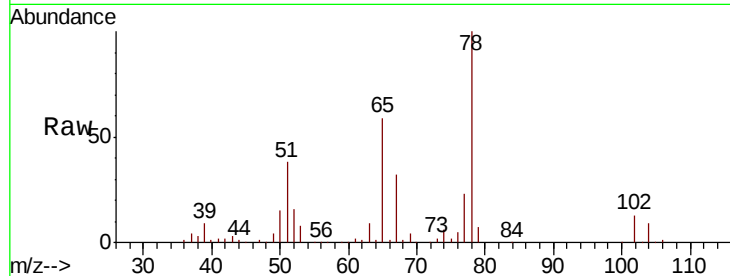




#27
 1,2-Dichloroethane-d4
 Concen: 29.999 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

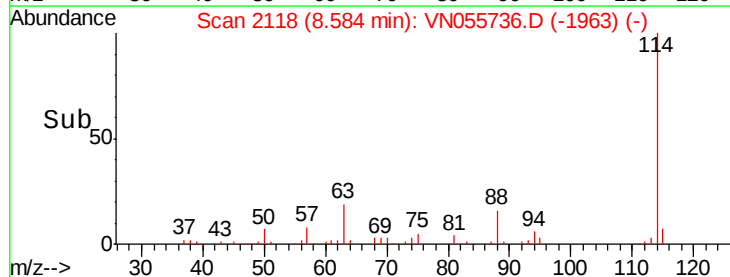
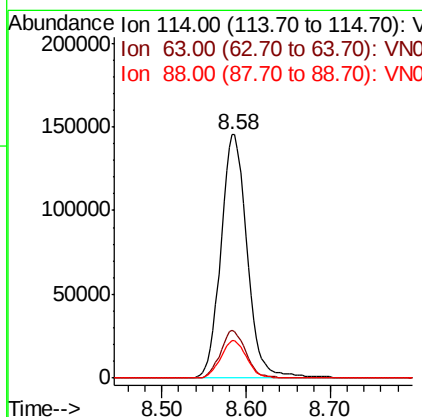
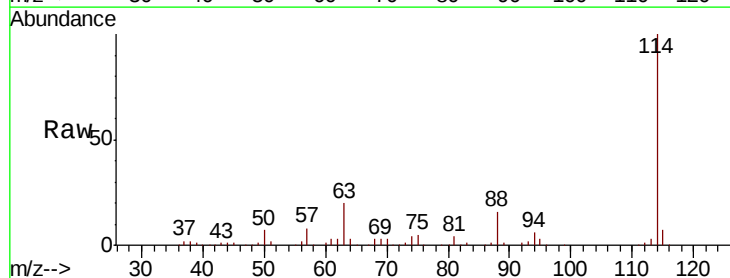
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

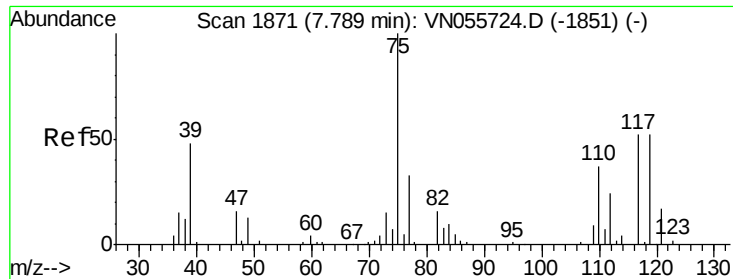
Tot Ion: 65 Resp: 113402
 Ion Ratio Lower Upper
 65 100
 67 54.3 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 114 Resp: 314509
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.6 23.4
 88 15.2 12.3 18.5

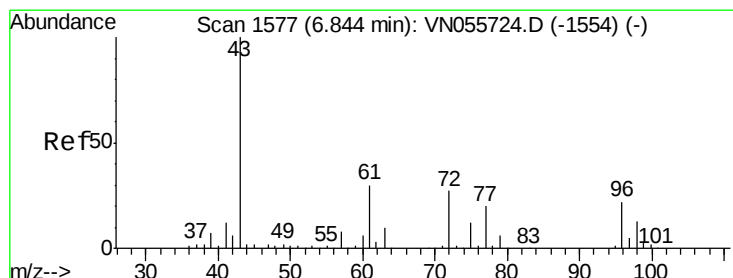
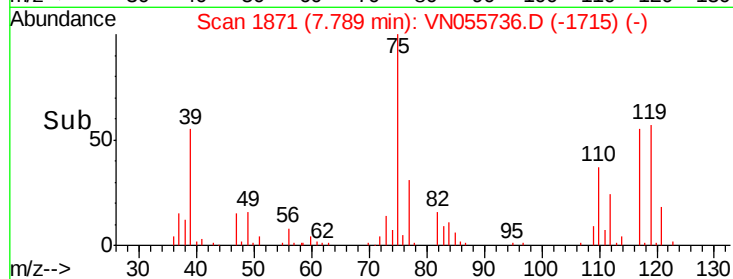
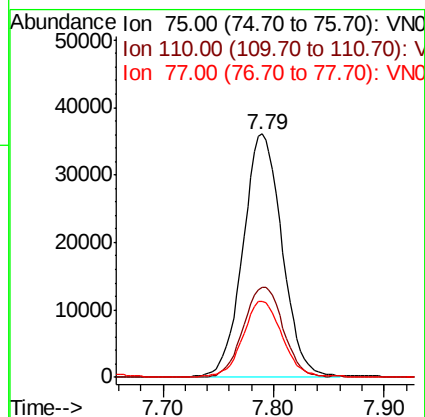
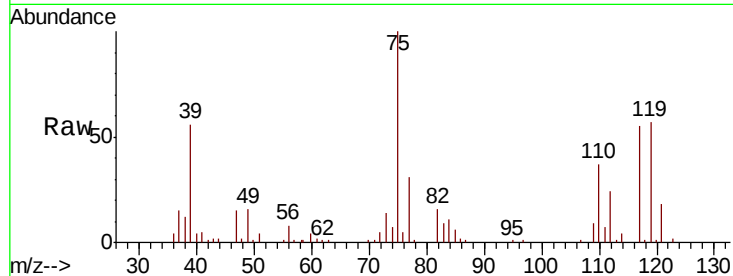




#29
 1,1-Dichloropropene
 Concen: 20.138 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

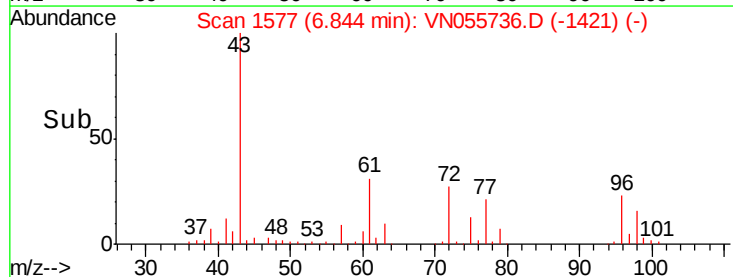
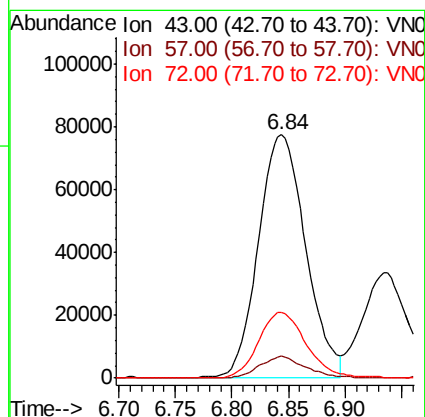
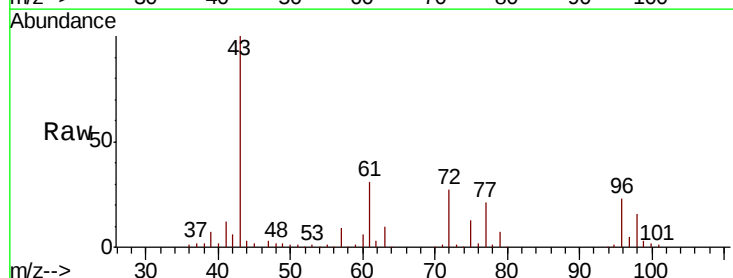
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

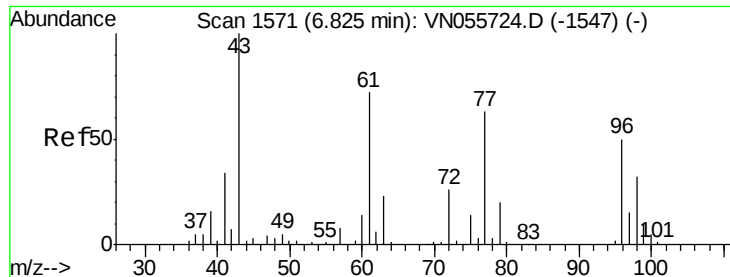
Tot Ion	75	Resp	88665
Ion Ratio	Lower	Upper	
75	100		
110	37.6	0.0	74.8
77	31.6	0.0	65.2



#30
 2-Butanone
 Concen: 94.978 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion	43	Resp	222889
Ion Ratio	Lower	Upper	
43	100		
57	8.7	6.6	10.0
72	27.5	21.7	32.5





#31

2,2-Dichloropropane

Concen: 17.613 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

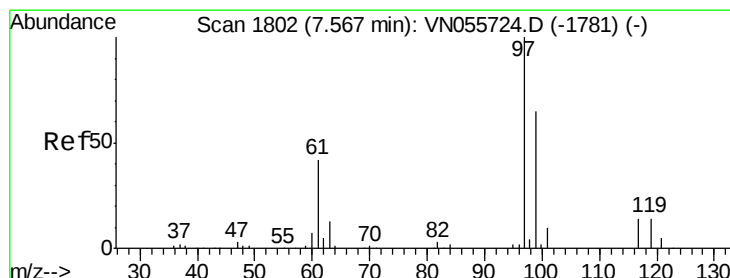
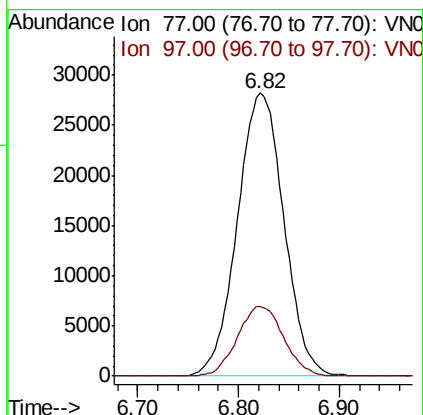
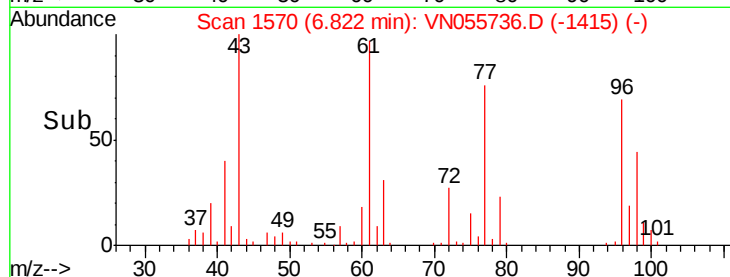
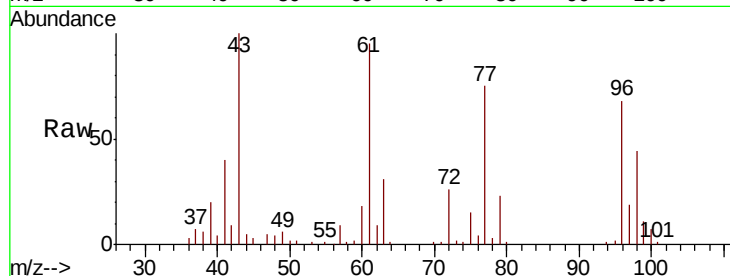
VN0522WBSD01

Tot Ion: 77 Resp: 90242

Ion Ratio Lower Upper

77 100

97 24.5 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 20.758 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

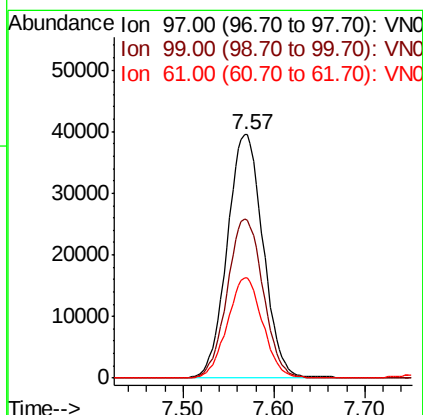
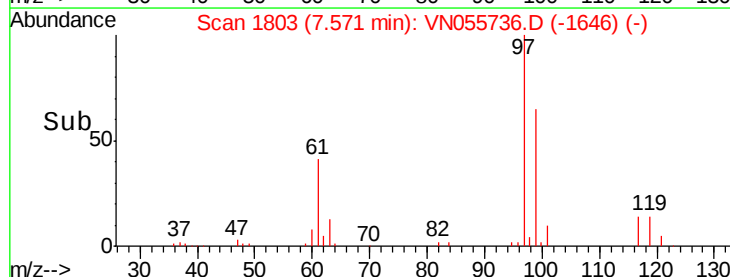
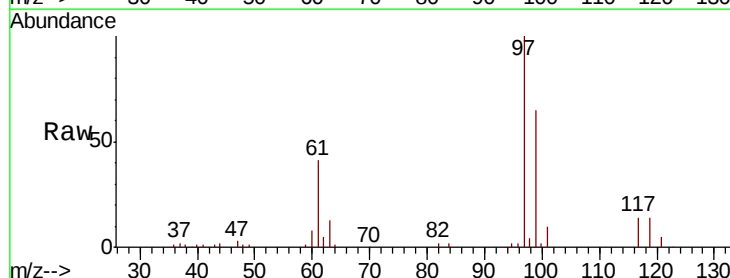
Tgt Ion: 97 Resp: 108329

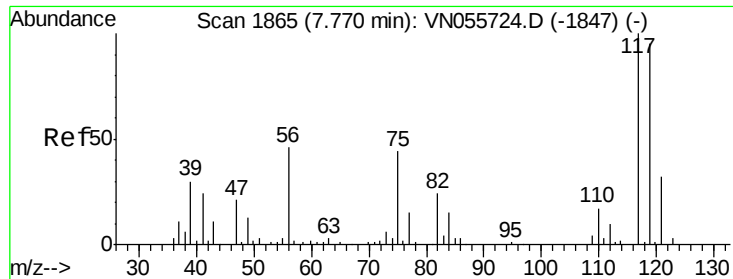
Ion Ratio Lower Upper

97 100

99 65.2 51.7 77.5

61 40.4 33.1 49.7

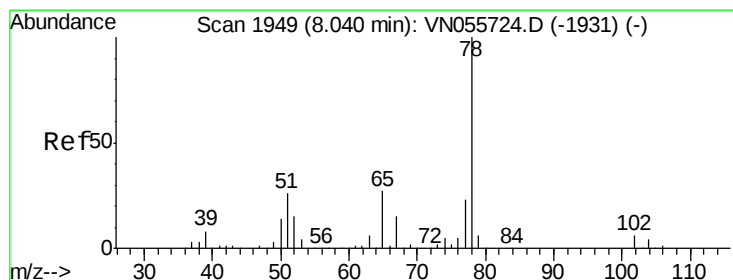
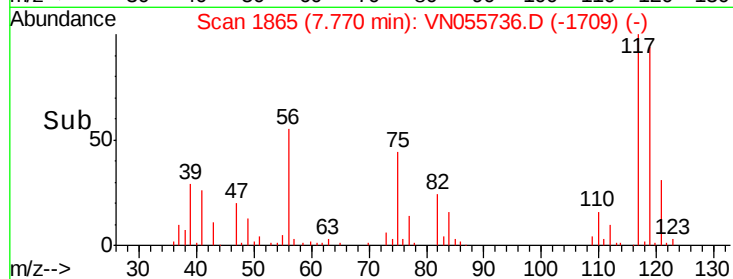
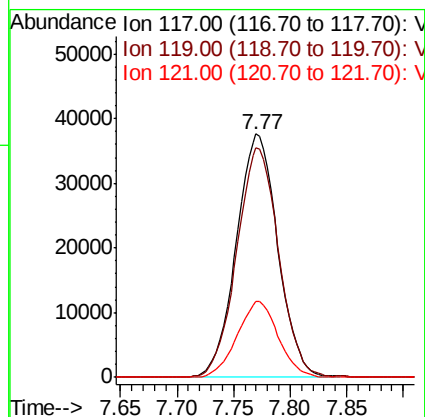
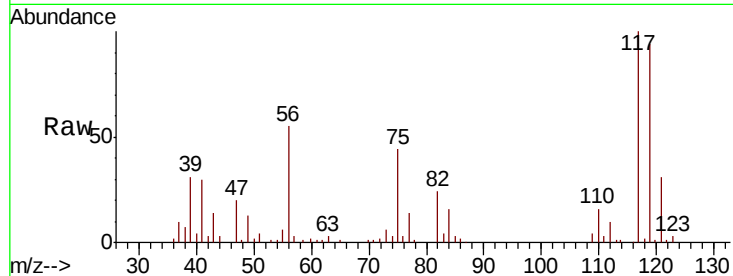




#33
Carbon Tetrachloride
Concen: 20.569 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

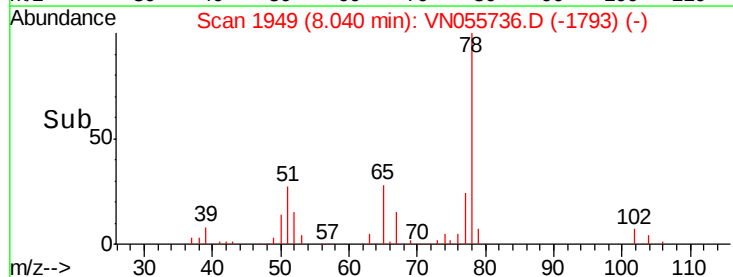
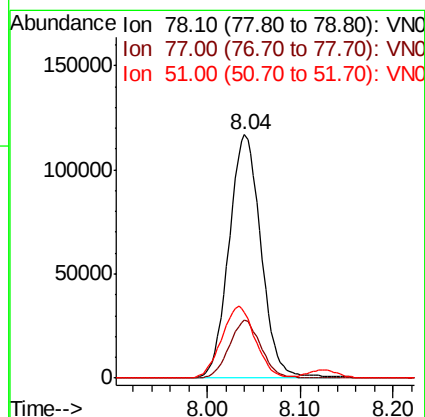
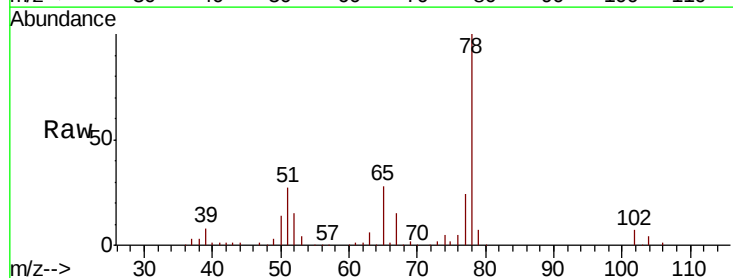
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

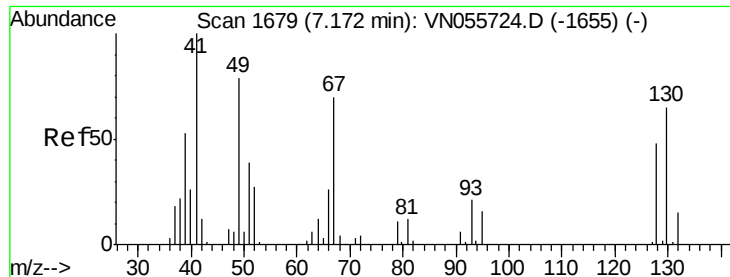
Tot Ion:117 Resp: 96021
Ion Ratio Lower Upper
117 100
119 94.4 75.8 113.8
121 30.9 25.4 38.0



#34
Benzene
Concen: 20.661 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 78 Resp: 280848
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2
51 26.5 20.6 31.0

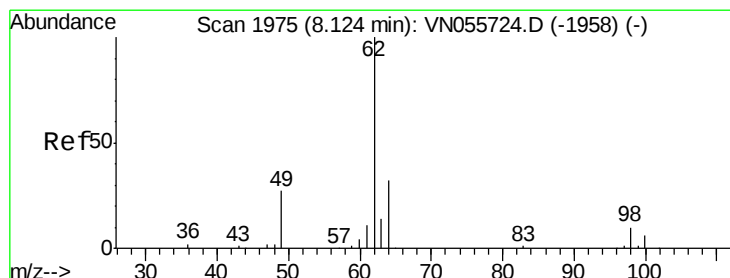
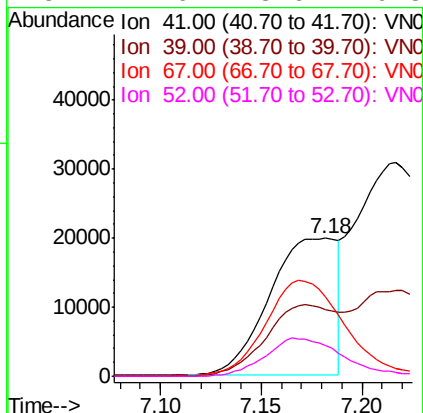
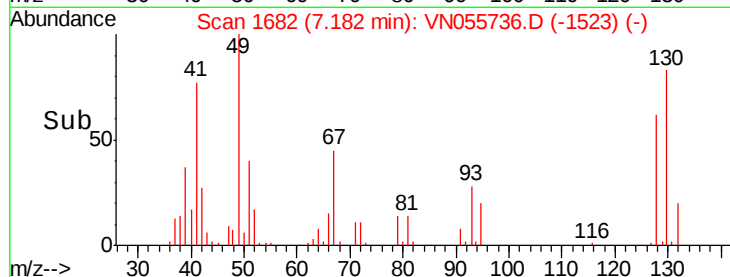
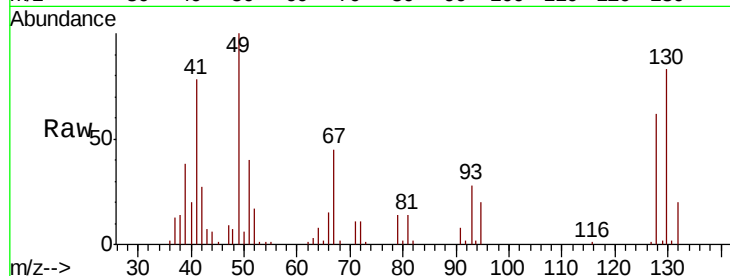




#35
Methacrylonitrile
Concen: 21.270 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

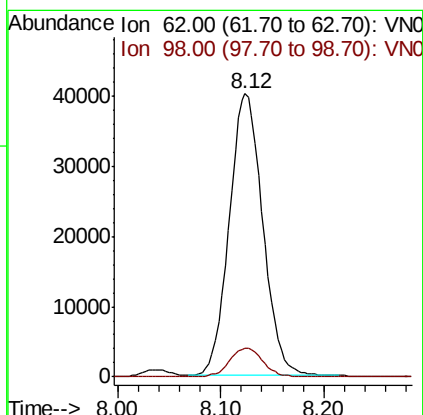
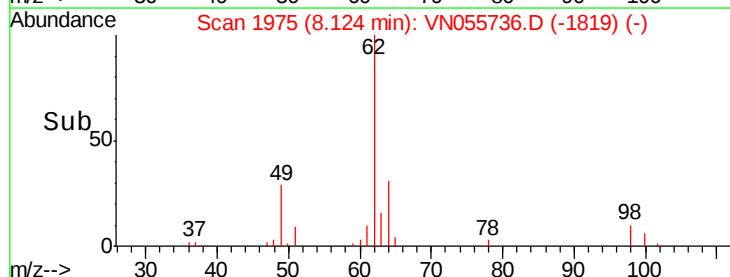
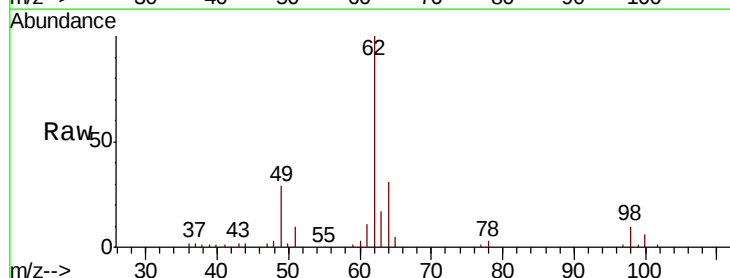
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

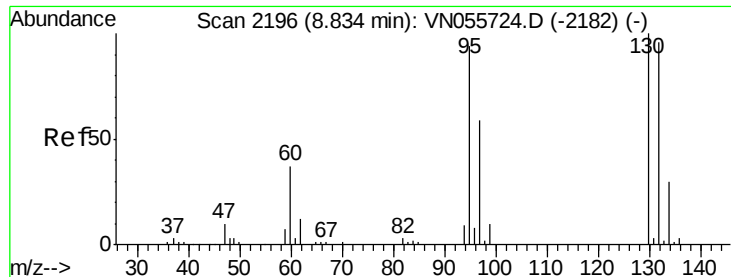
Tot Ion:	41	Resp:	46071
Ion	Ratio	Lower	Upper
41	100		
39	48.9	26.7	80.1
67	58.3	34.9	104.7
52	22.6	13.6	40.8



#36
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion:	62	Resp:	90970
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.2	12.2

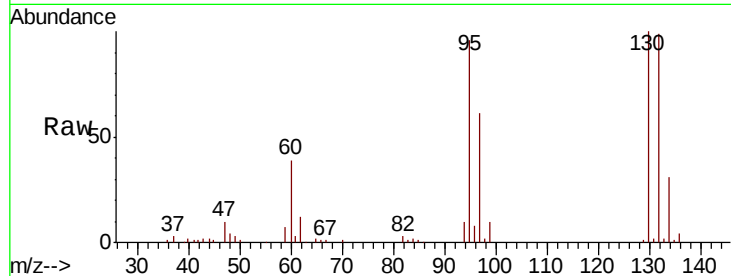




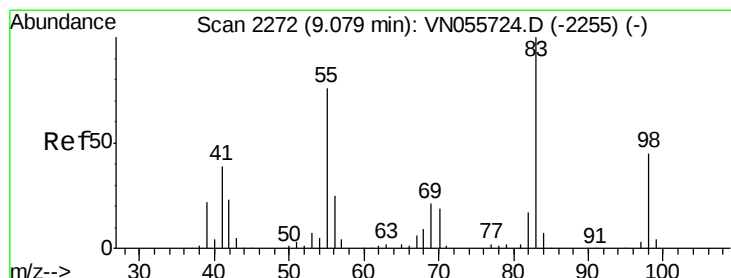
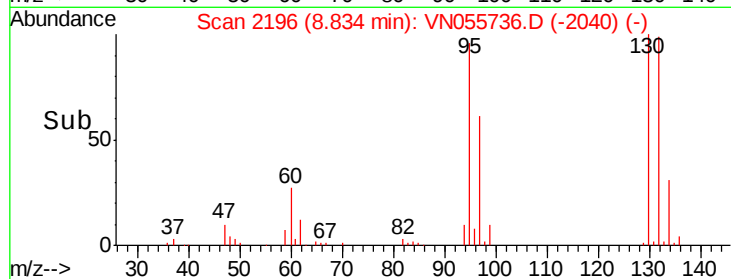
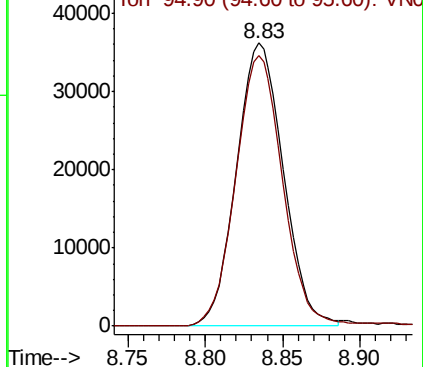
#37
 Trichloroethene
 Concen: 20.152 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Tot Ion:130 Resp: 76430
 Ion Ratio Lower Upper
 130 100
 95 95.7 75.6 113.4

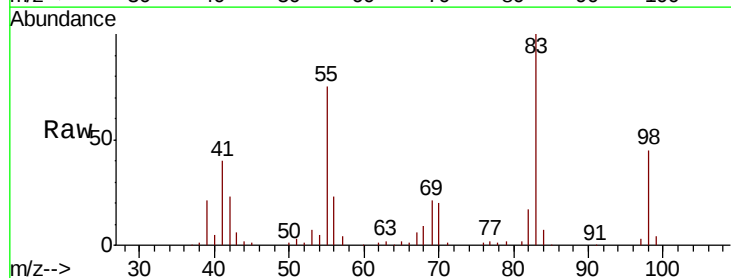


Abundance Ion 129.90 (129.60 to 130.60): VN055724.D (-2182) (-)
 Ion 94.90 (94.60 to 95.60): VN055724.D (-2182) (-)

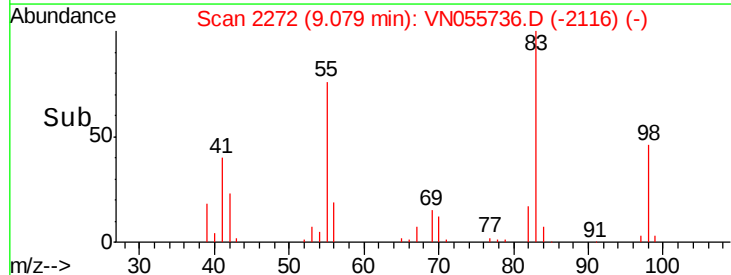
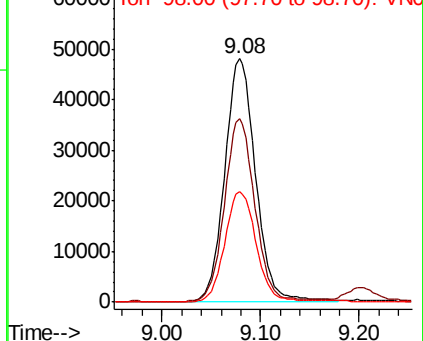


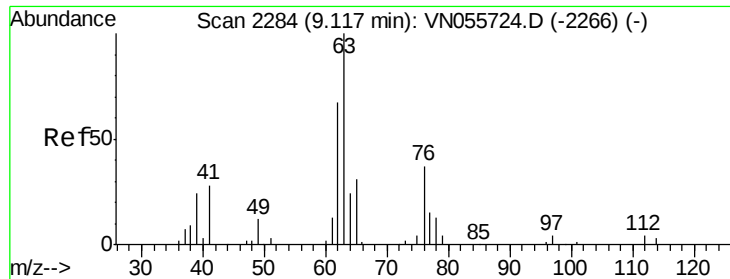
#38
 Methylcyclohexane
 Concen: 18.923 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 83 Resp: 105560
 Ion Ratio Lower Upper
 83 100
 55 74.1 37.8 113.4
 98 45.8 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN055724.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN055724.D (-2255) (-)

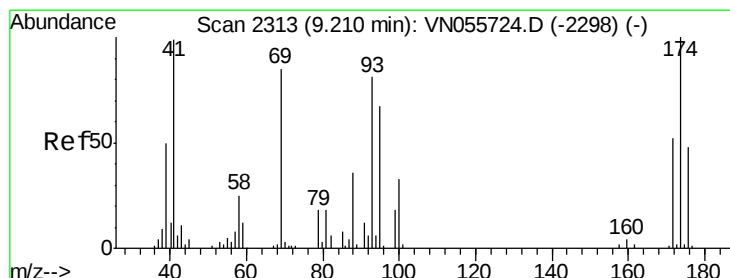
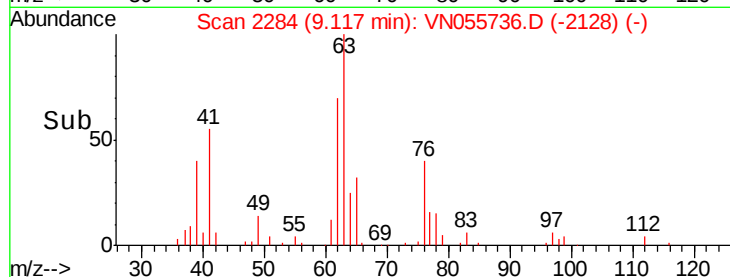
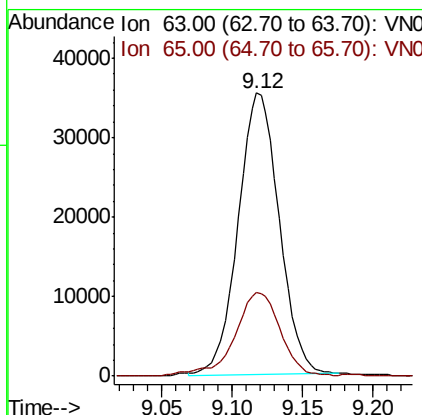
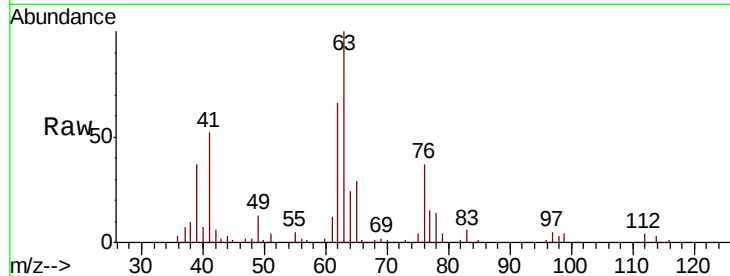




#39
 1,2-Dichloropropane
 Concen: 19.776 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

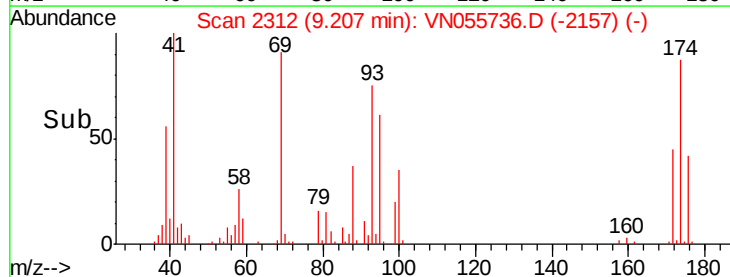
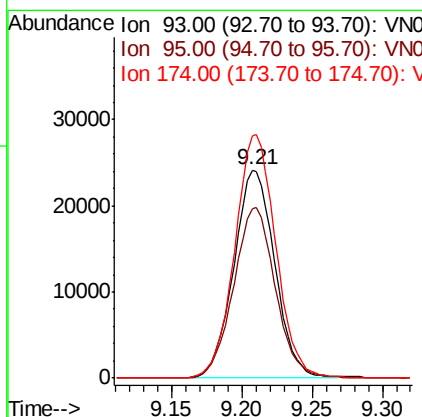
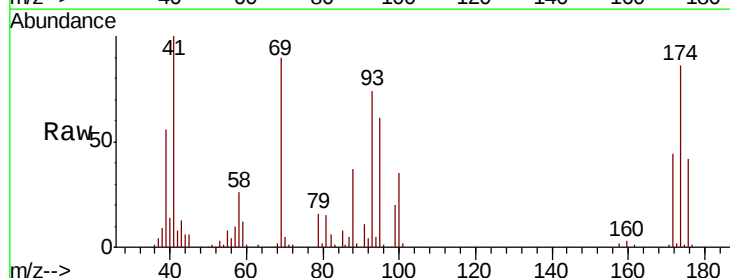
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

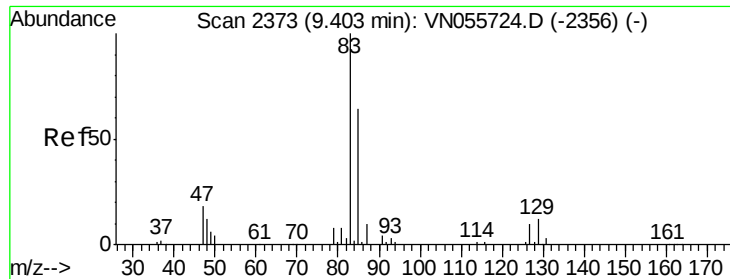
Tot Ion: 63 Resp: 72265
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.8 38.8



#40
 Dibromomethane
 Concen: 20.859 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion: 93 Resp: 49219
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 170.6
 174 116.9 0.0 248.4

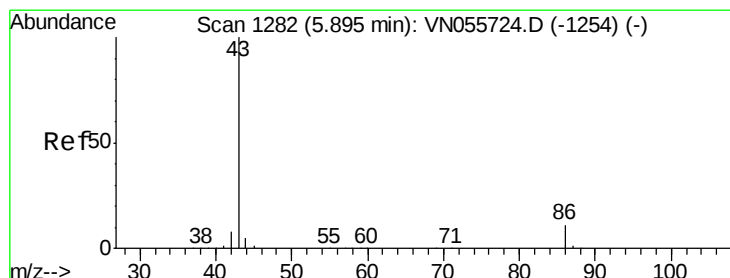
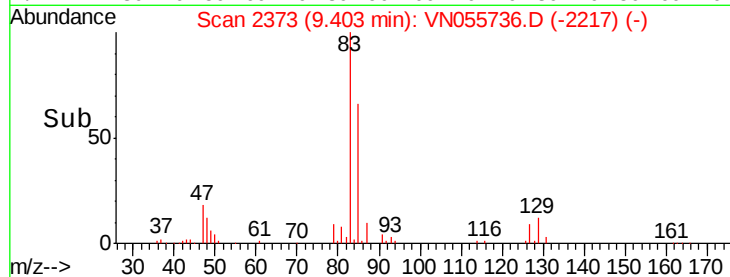
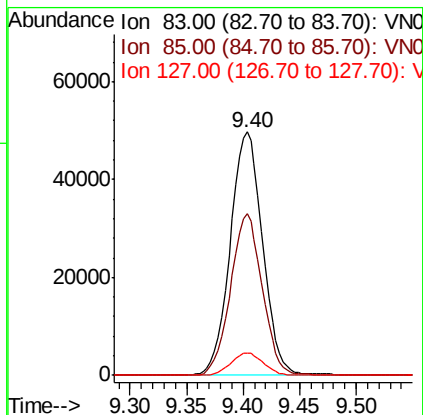
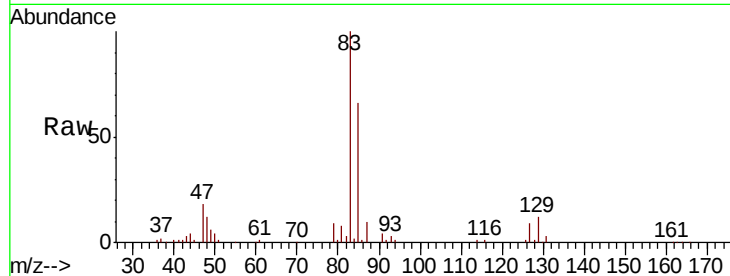




#41
Bromodichloromethane
Concen: 20.494 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

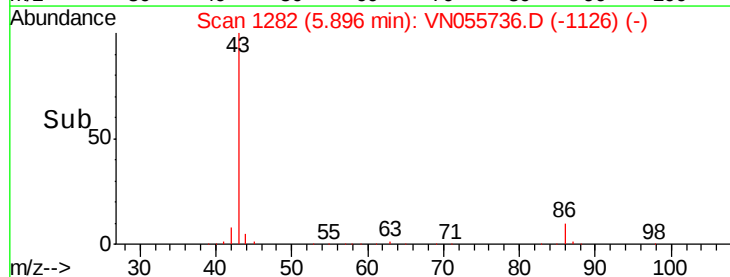
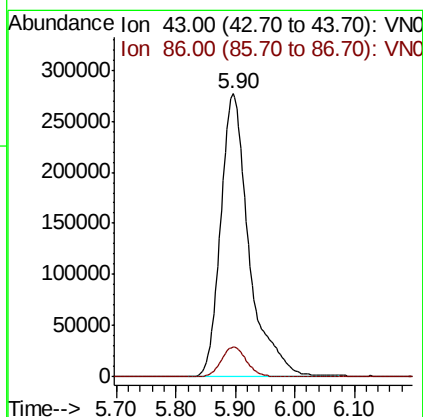
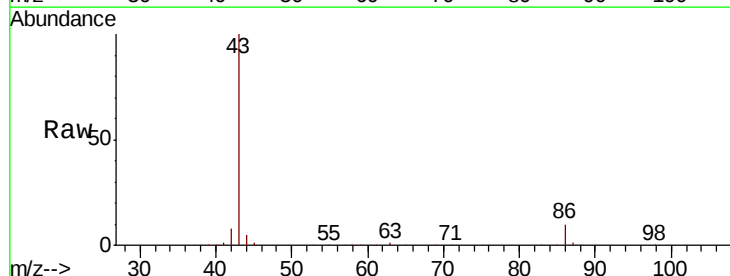
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

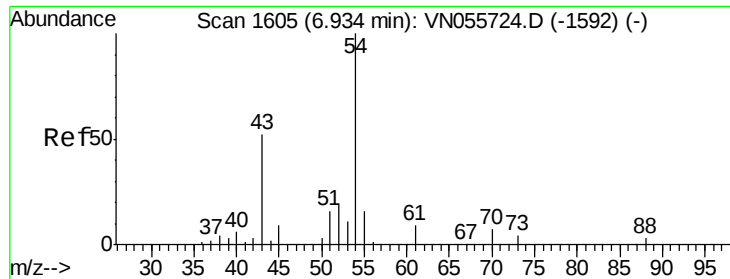
Tot Ion: 83 Resp: 99113
Ion Ratio Lower Upper
83 100
85 66.3 51.4 77.0
127 9.3 7.7 11.5



#42
Vinyl Acetate
Concen: 100.457 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 43 Resp: 915298
Ion Ratio Lower Upper
43 100
86 9.5 7.4 11.2





#43

Ethyl Acetate

Concen: 19.726 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

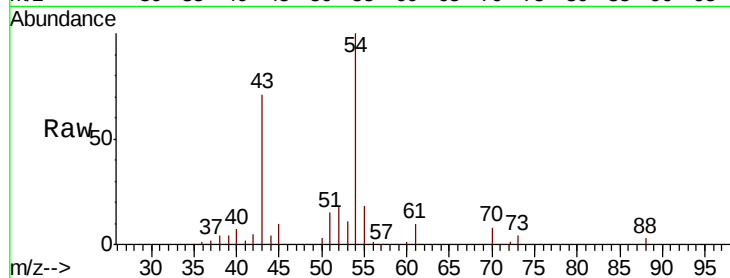
VN0522WBSD01

Tot Ion: 43 Resp: 90994

Ion Ratio Lower Upper

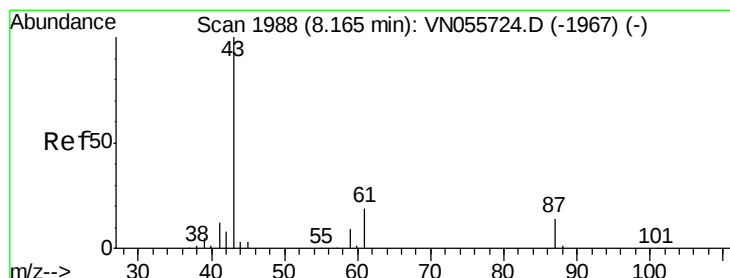
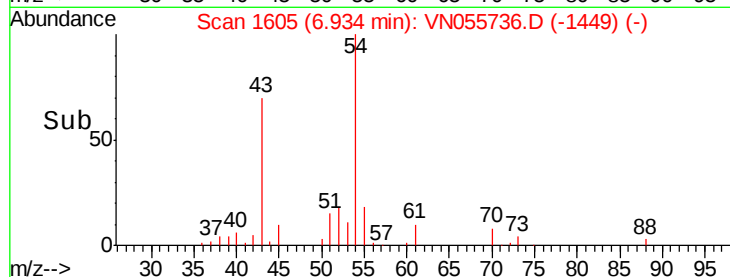
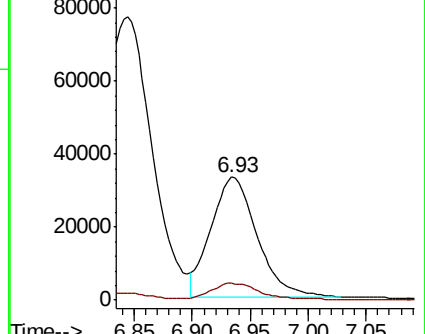
43 100

45 14.8 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.672 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055736.D

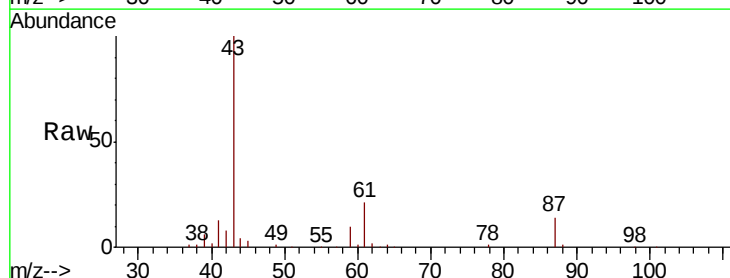
Acq: 22 May 2019 23:12

Tgt Ion: 43 Resp: 150266

Ion Ratio Lower Upper

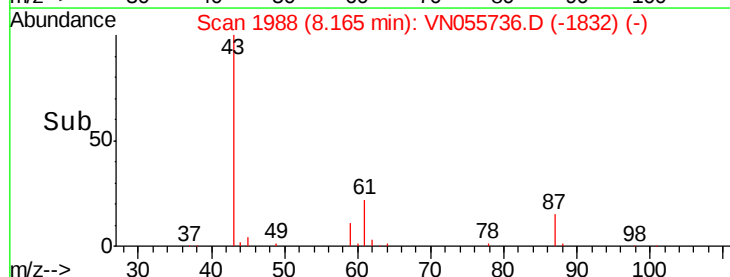
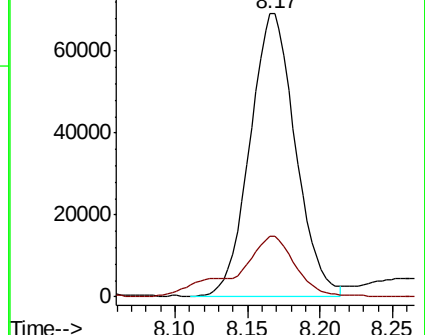
43 100

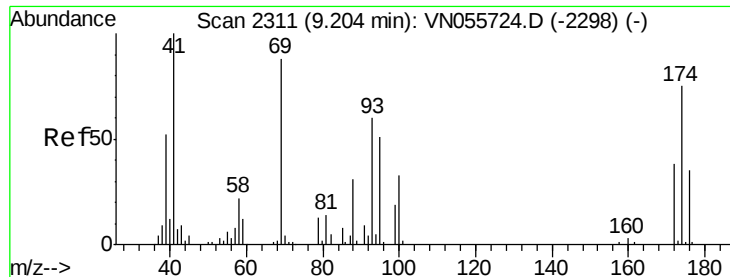
61 20.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 395.781 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

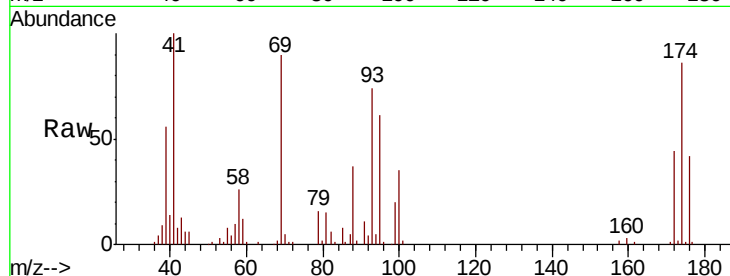
Tot Ion: 88 Resp: 28441

Ion Ratio Lower Upper

88 100

43 29.2 20.5 30.7

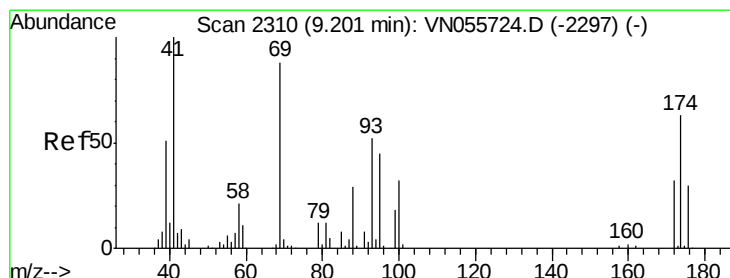
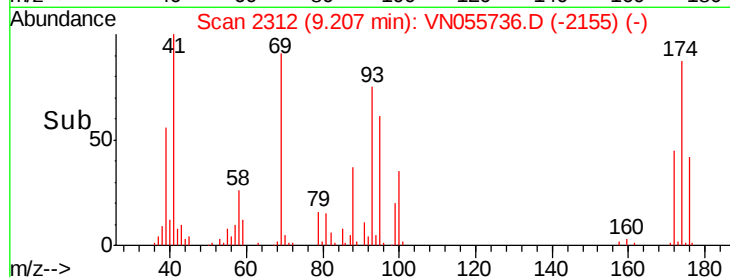
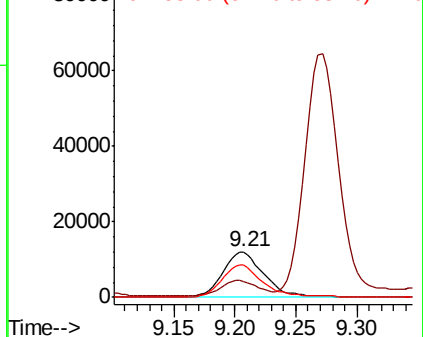
58 69.2 56.1 84.1



Abundance Ion 88.00 (87.70 to 88.70): VN055736.D (-2155) (-)

Ion 43.00 (42.70 to 43.70): VN055736.D (-2155) (-)

Ion 58.00 (57.70 to 58.70): VN055736.D (-2155) (-)



#46

Methyl methacrylate

Concen: 19.534 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

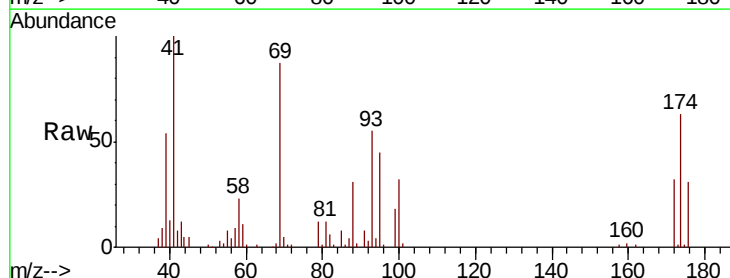
Tgt Ion: 41 Resp: 69616

Ion Ratio Lower Upper

41 100

69 88.8 43.8 131.4

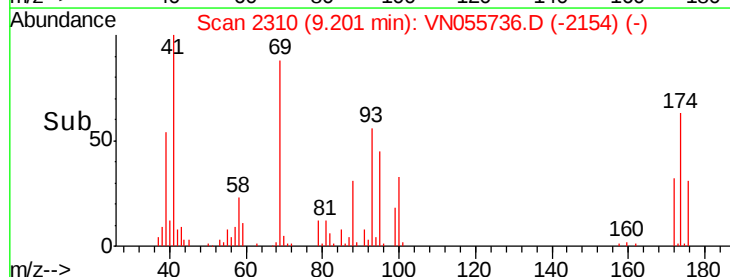
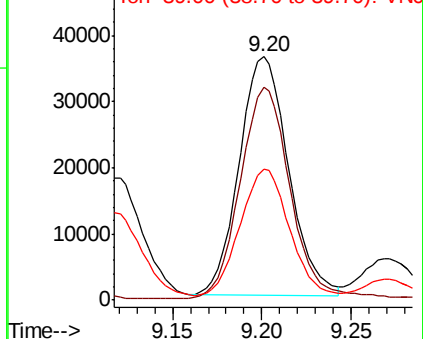
39 53.0 25.6 76.6

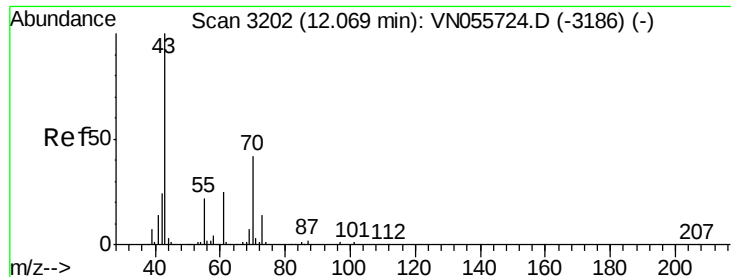


Abundance Ion 41.00 (40.70 to 41.70): VN055736.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN055736.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN055736.D (-2154) (-)





#47

n-amvl Acetate

Concen: 18.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

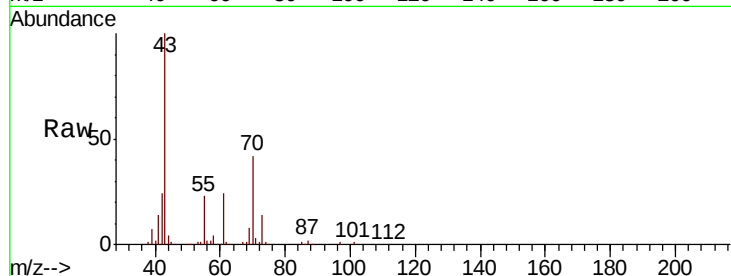
VN0522WBSD01

Tot Ion: 43 Resp: 119969

Ion Ratio Lower Upper

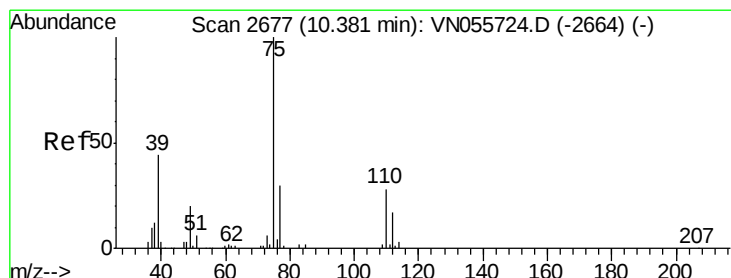
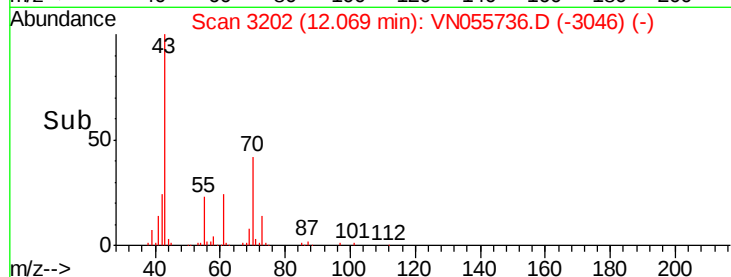
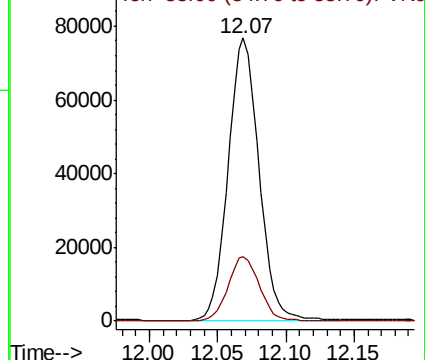
43 100

55 23.6 17.8 26.6



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: 19.301 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055736.D

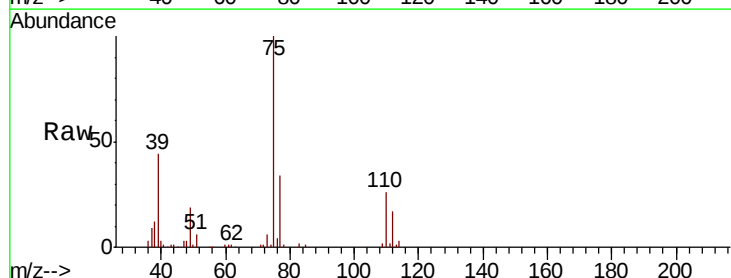
Acq: 22 May 2019 23:12

Tgt Ion: 75 Resp: 103034

Ion Ratio Lower Upper

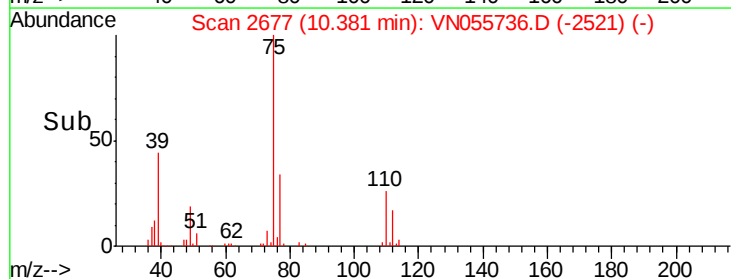
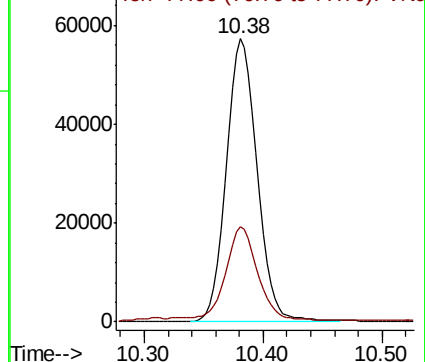
75 100

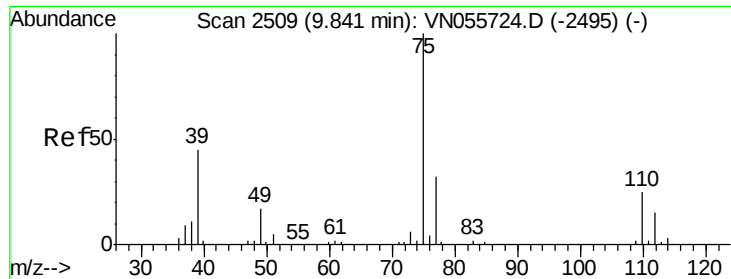
77 33.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



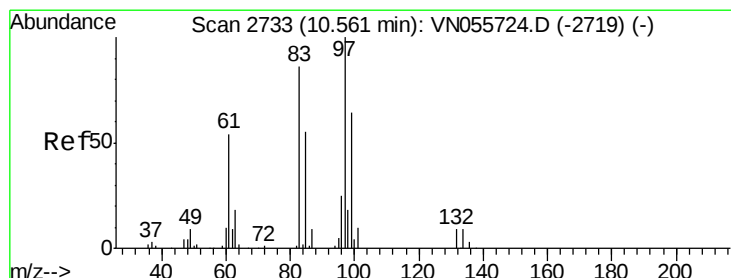
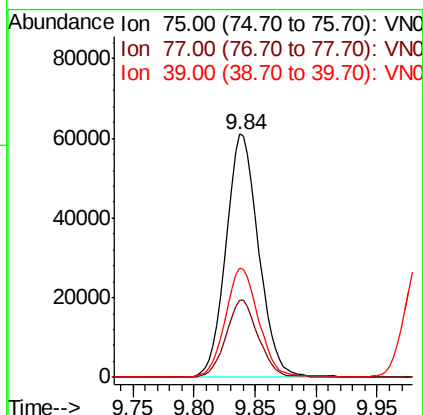
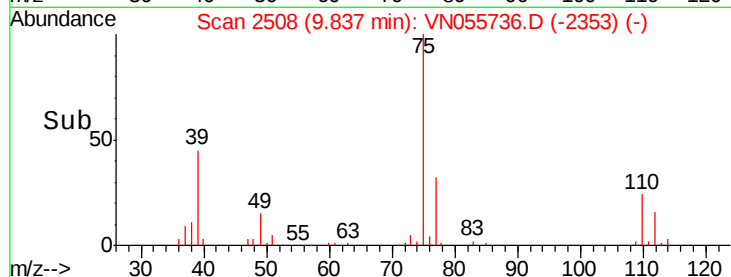
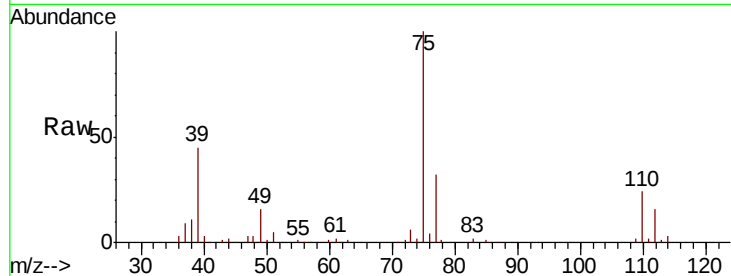


#49

cis-1,3-Dichloropropene
Concen: 19.603 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

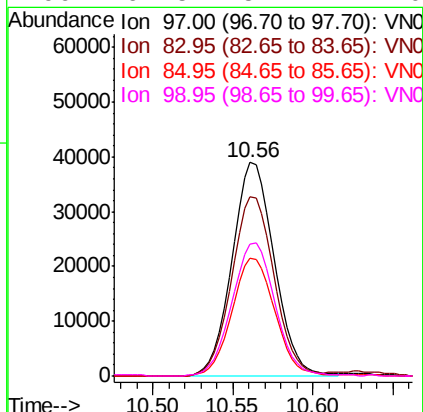
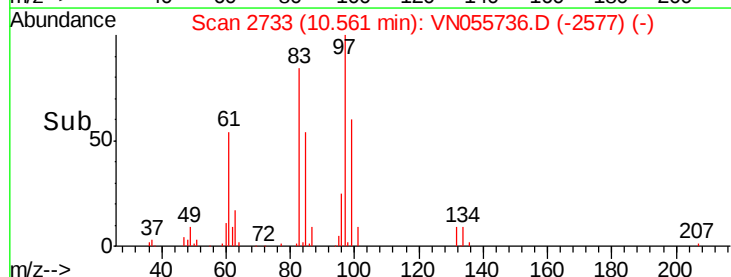
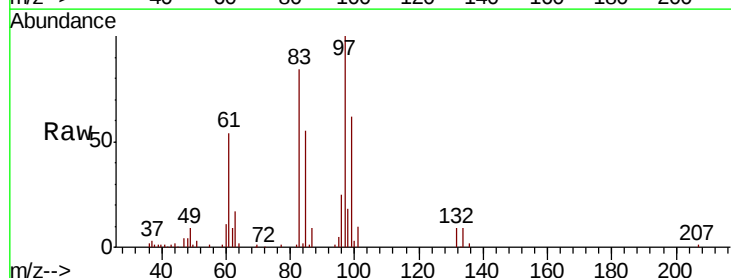
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0
39	44.6	36.2	54.4

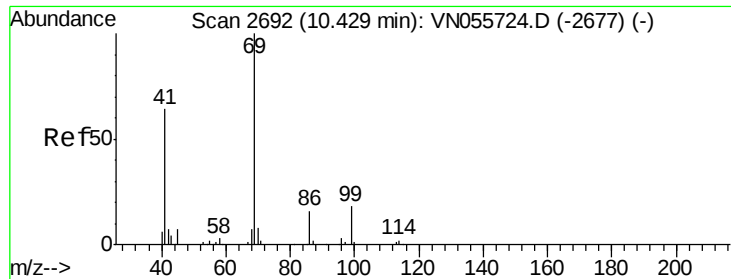


#50

1,1,2-Trichloroethane
Concen: 20.418 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	55.4	44.3	66.5
99	61.5	51.4	77.0





#51

Ethyl methacrylate

Concen: 20.002 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

VN0522WBSD01

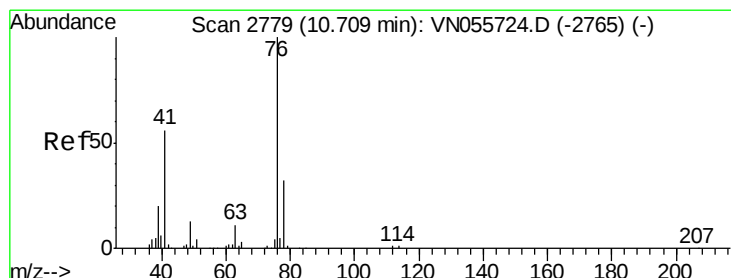
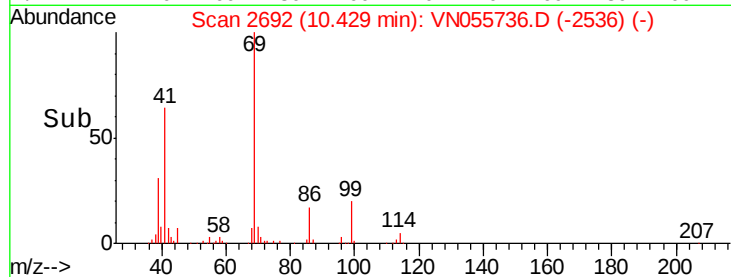
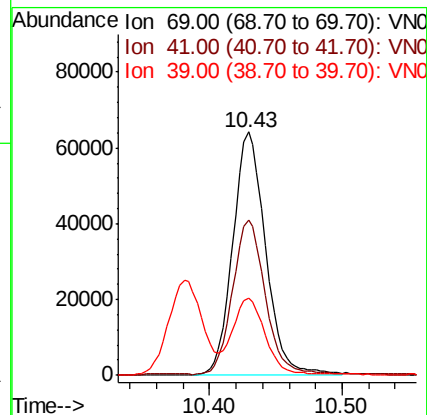
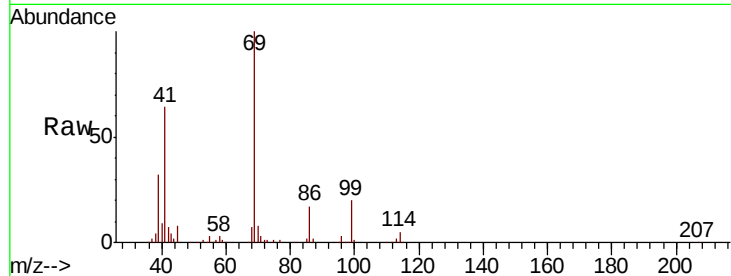
Tot Ion: 69 Resp: 110747

Ion Ratio Lower Upper

69 100

41 63.5 31.9 95.7

39 31.1 15.7 47.0



#52

1,3-Dichloropropane

Concen: 19.970 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055736.D

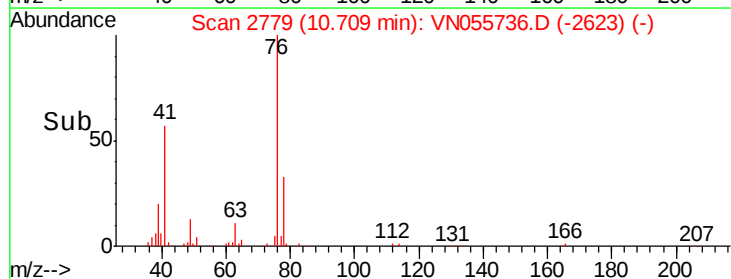
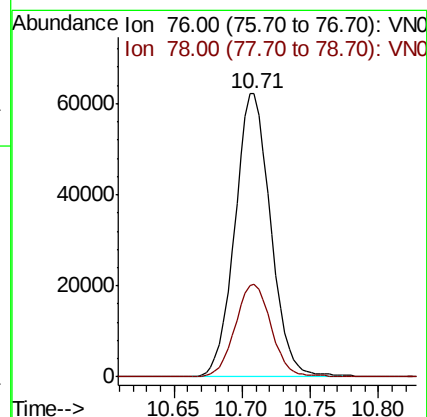
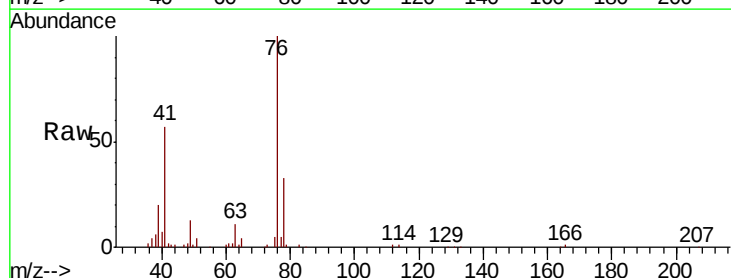
Acq: 22 May 2019 23:12

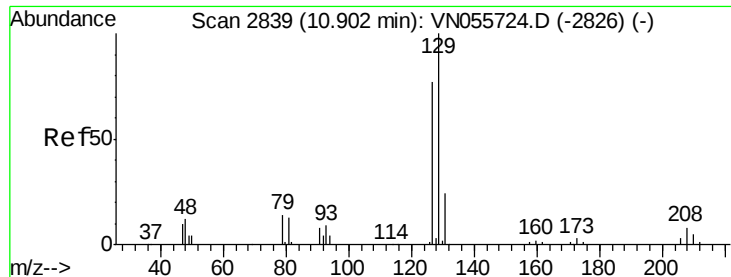
Tgt Ion: 76 Resp: 113076

Ion Ratio Lower Upper

76 100

78 33.0 0.0 65.0

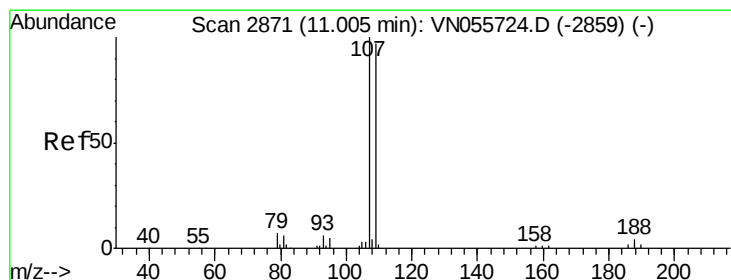
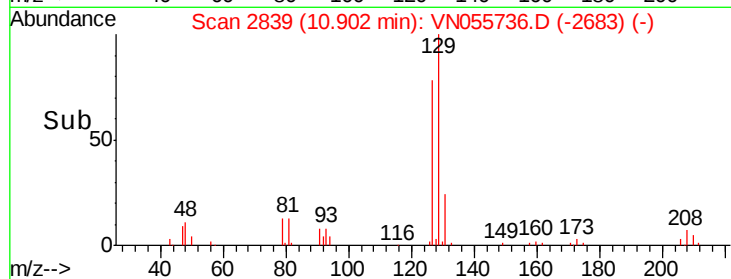
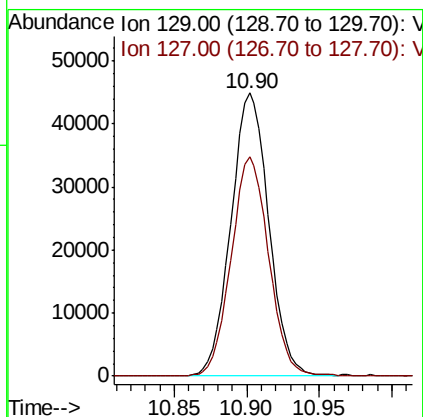
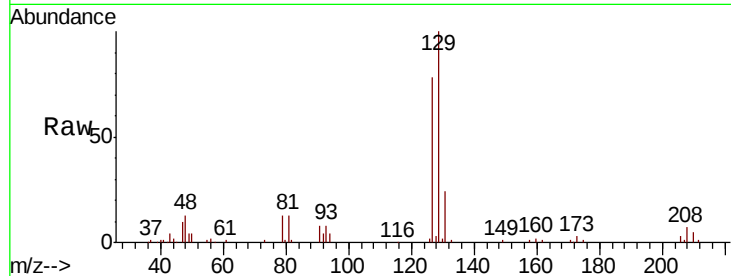




#53
 Dibromochloromethane
 Concen: 20.113 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

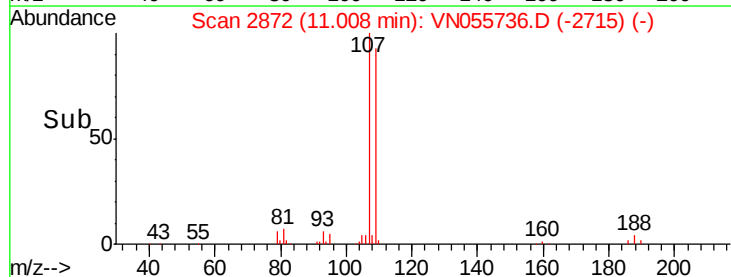
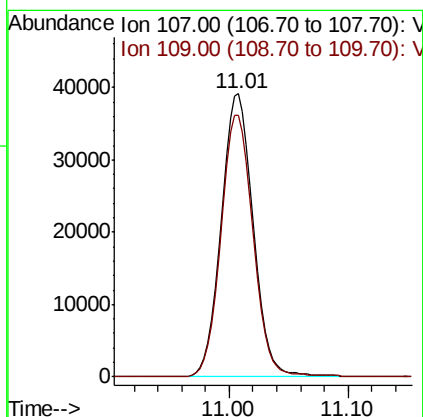
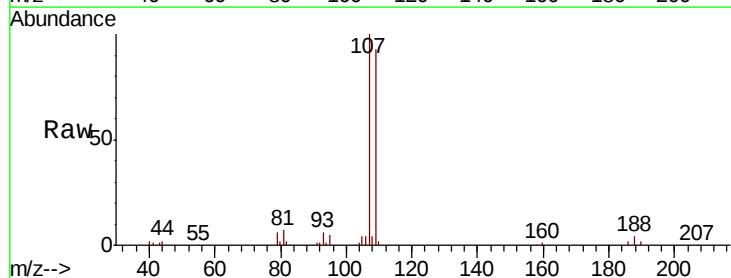
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

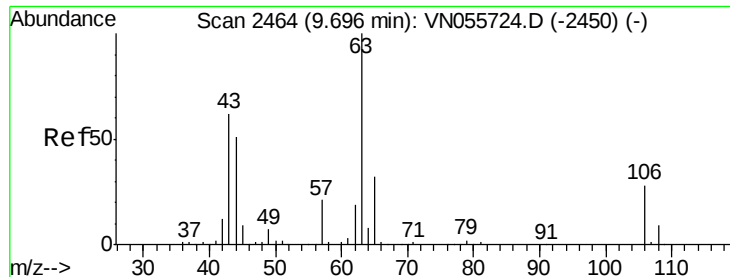
Tot Ion:129 Resp: 81620
 Ion Ratio Lower Upper
 129 100
 127 76.6 39.2 117.6



#54
 1,2-Dibromoethane
 Concen: 20.495 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion:107 Resp: 72852
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.6 115.0

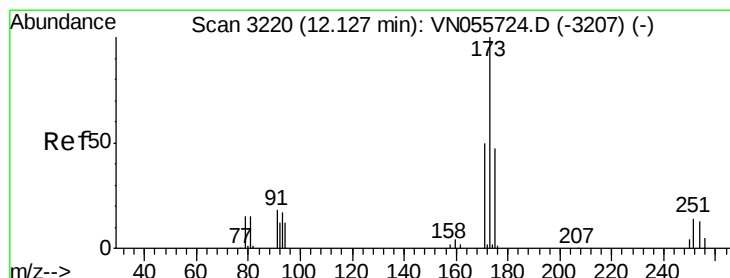
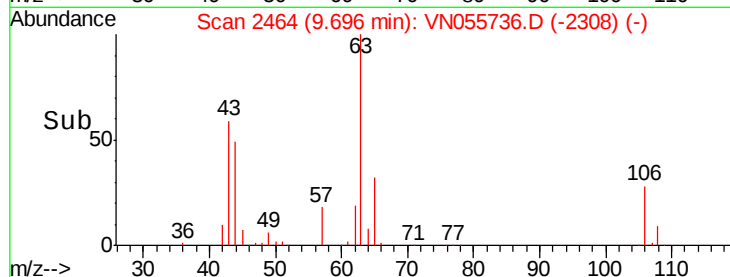
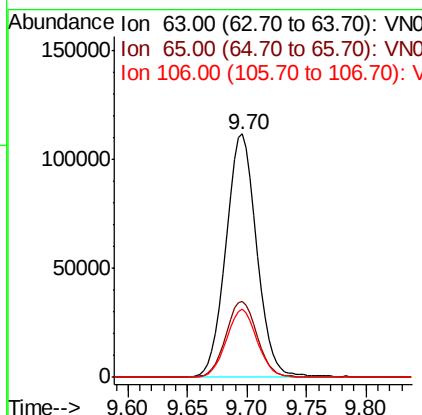
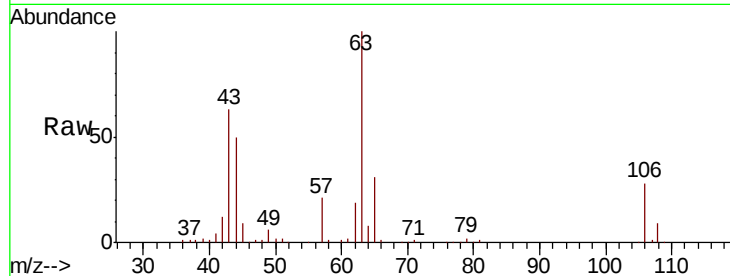




#55
2-Chloroethyl vinyl ether
Concen: 93.429 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

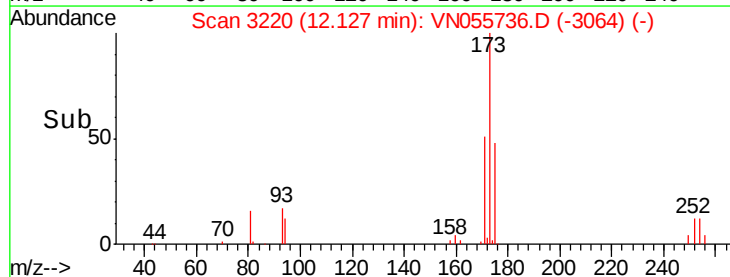
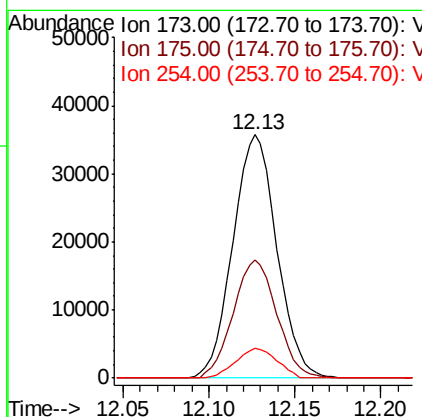
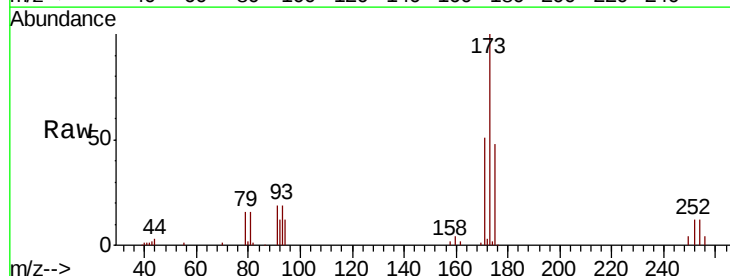
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

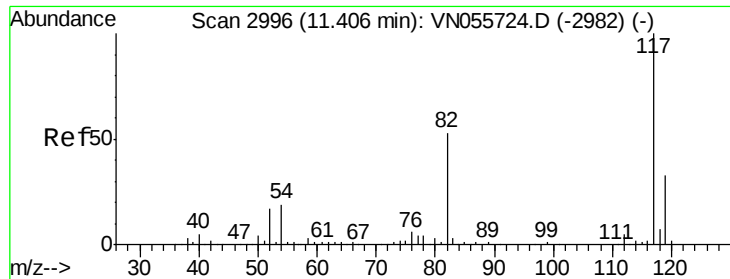
Tot Ion: 63 Resp: 201277
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 28.0 22.1 33.1



#56
Bromoform
Concen: 19.052 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 173 Resp: 63419
Ion Ratio Lower Upper
173 100
175 48.0 38.5 57.7
254 11.4 9.4 14.0

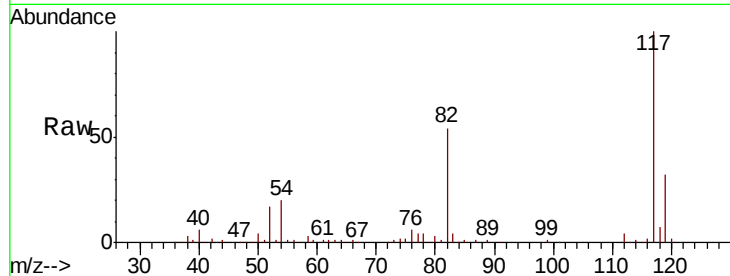




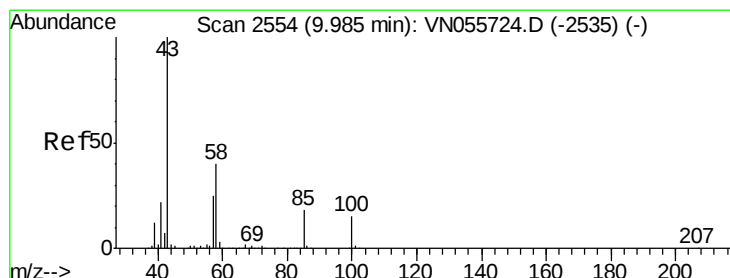
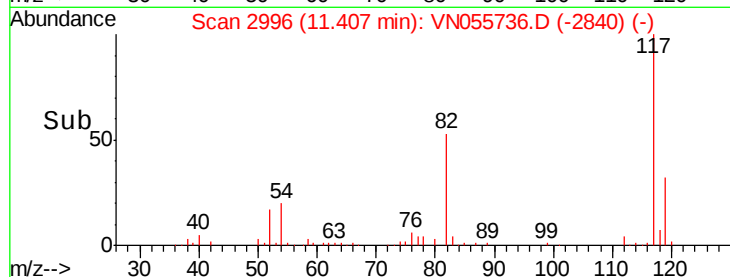
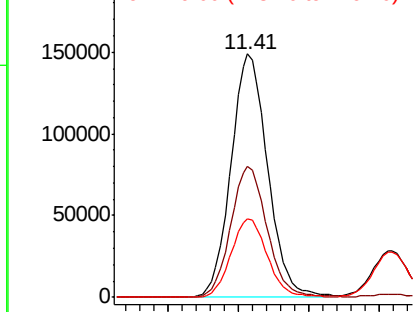
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

Tot Ion:117 Resp: 271268
Ion Ratio Lower Upper
117 100
82 53.4 42.6 64.0
119 31.9 25.9 38.9

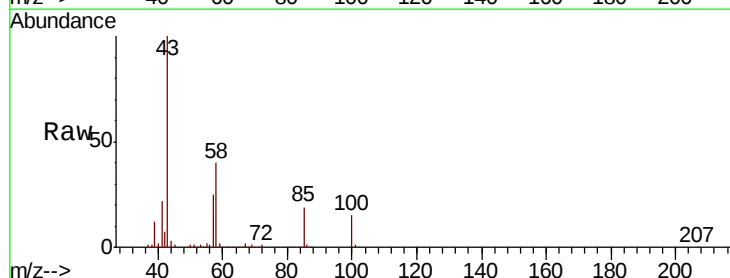


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

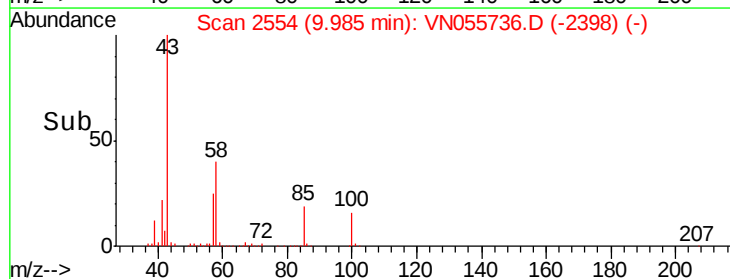
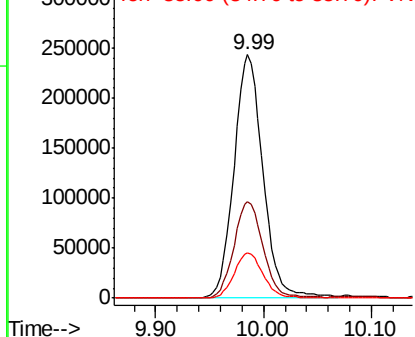


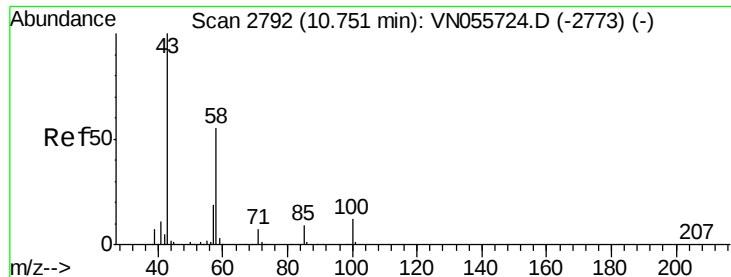
#58
4-Methyl-2-Pentanone
Concen: 101.371 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 43 Resp: 455231
Ion Ratio Lower Upper
43 100
58 40.2 31.7 47.5
85 18.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

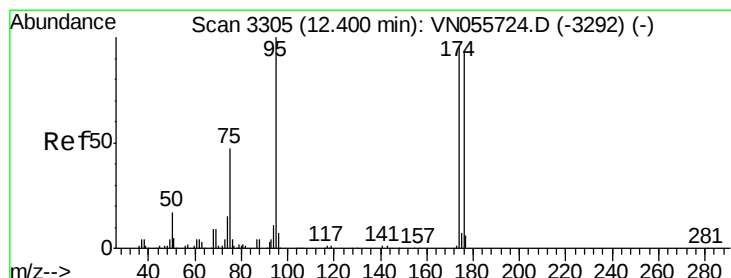
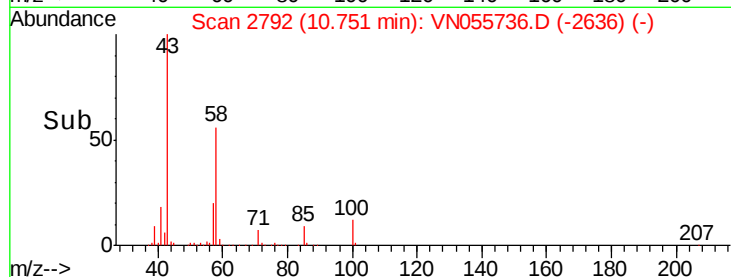
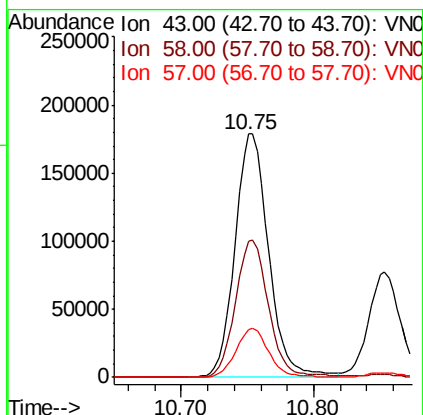
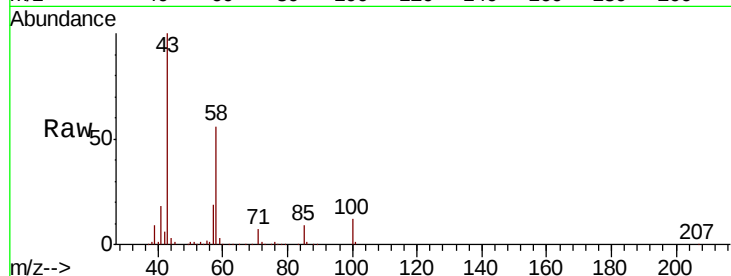




#59
2-Hexanone
Concen: 97.488 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

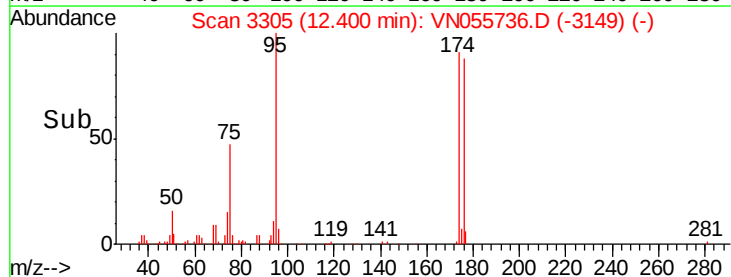
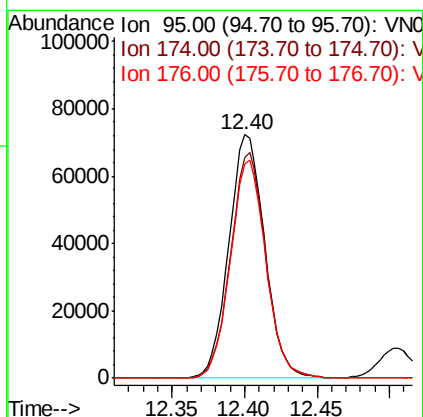
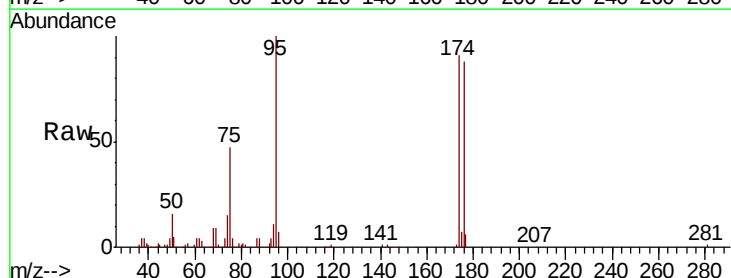
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

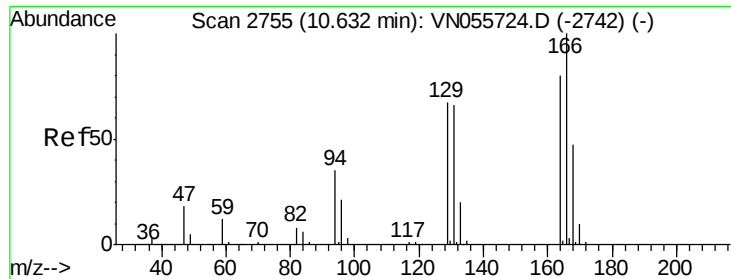
Tot Ion	43	Resp	312982
Ion Ratio	Lower	Upper	
43	100		
58	56.4	44.8	67.2
57	19.9	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 29.401 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion	95	Resp	124070
Ion Ratio	Lower	Upper	
95	100		
174	90.8	75.7	113.5
176	88.5	74.1	111.1





#61

Tetrachloroethene

Concen: 20.780 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

Tot Ion:164 Resp: 76306

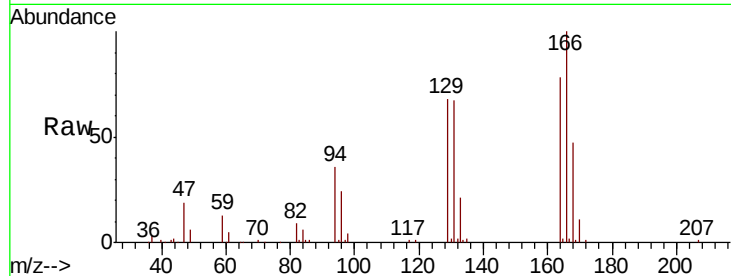
Ion Ratio Lower Upper

164 100

166 128.9 100.6 150.8

129 88.1 67.4 101.2

131 86.6 66.6 99.8

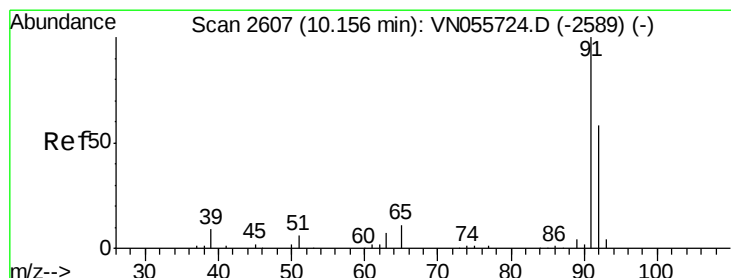
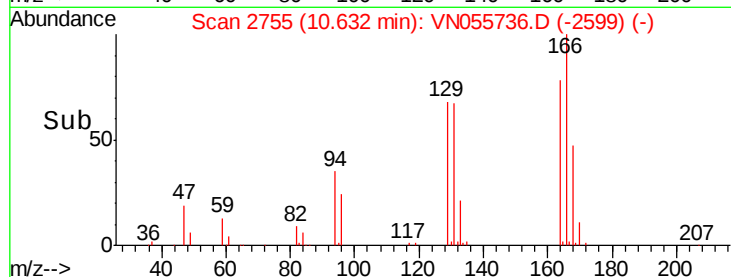
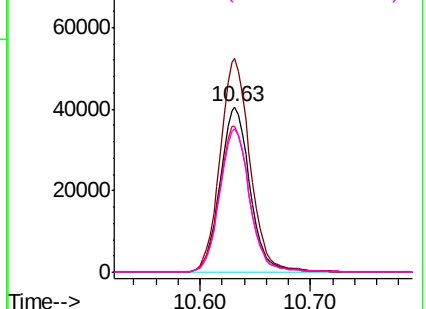


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.936 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055736.D

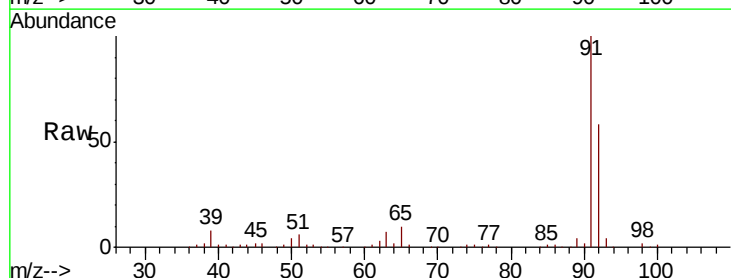
Acq: 22 May 2019 23:12

Tgt Ion: 91 Resp: 305410

Ion Ratio Lower Upper

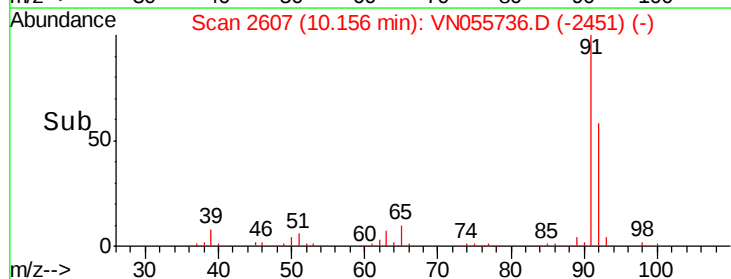
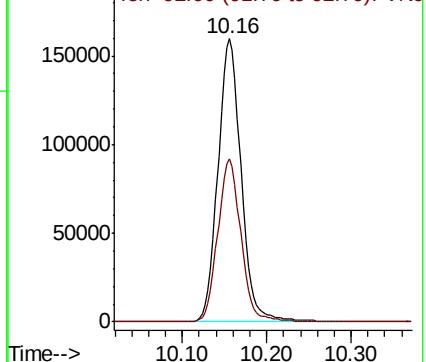
91 100

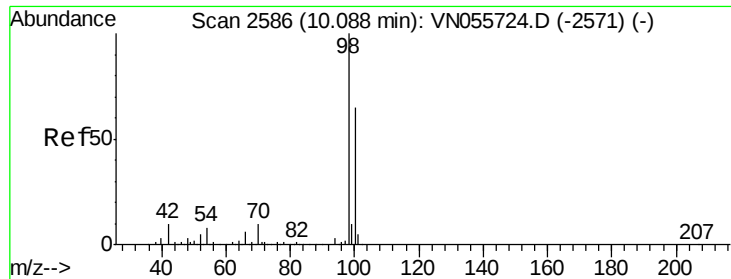
92 57.7 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.442 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

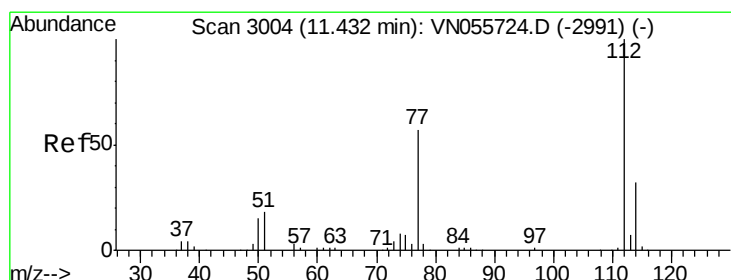
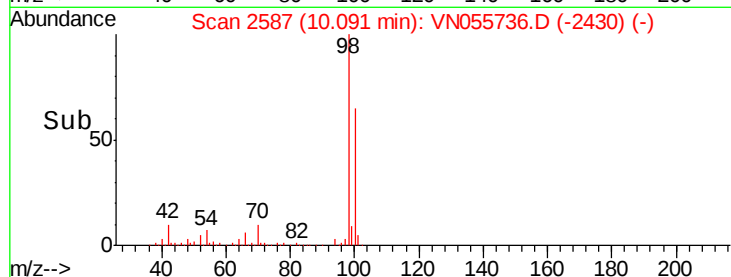
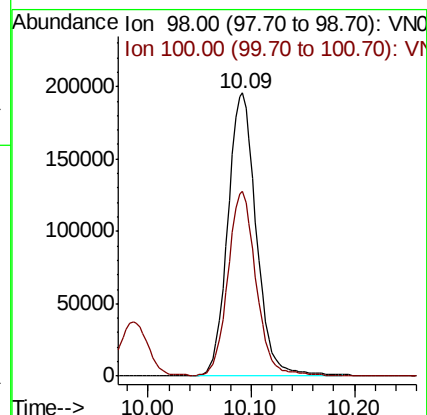
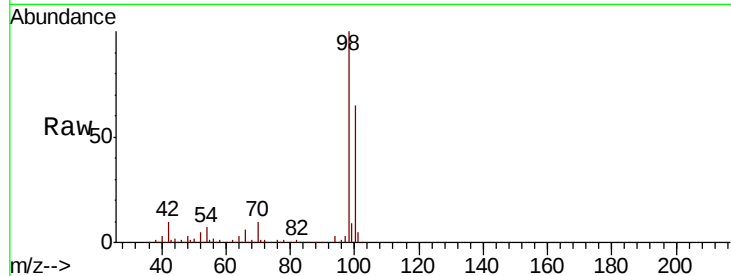
VN0522WBSD01

Tot Ion: 98 Resp: 377381

Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4



#64

Chlorobenzene

Concen: 20.640 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055736.D

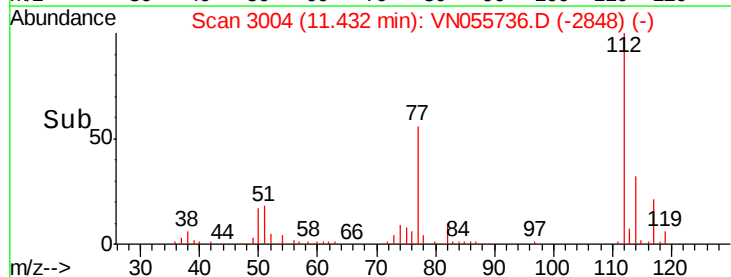
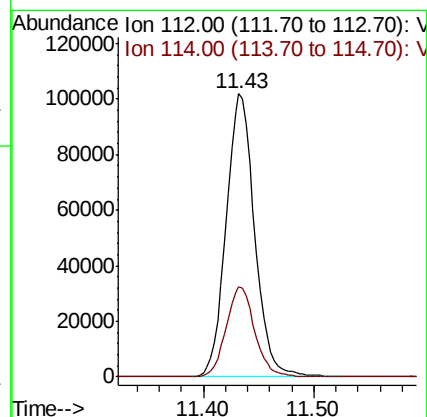
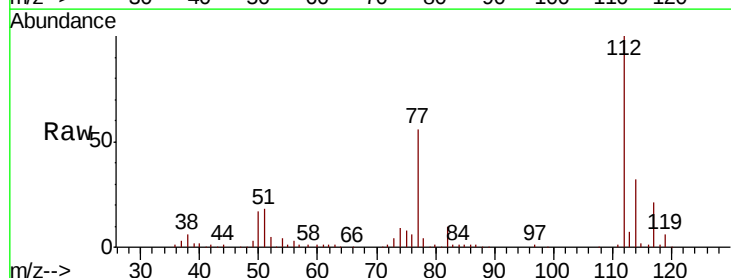
Acq: 22 May 2019 23:12

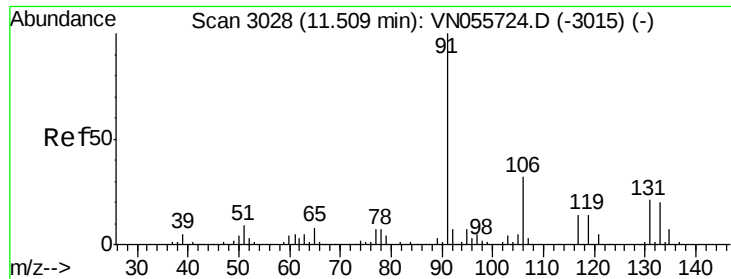
Tgt Ion: 112 Resp: 182644

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.867 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

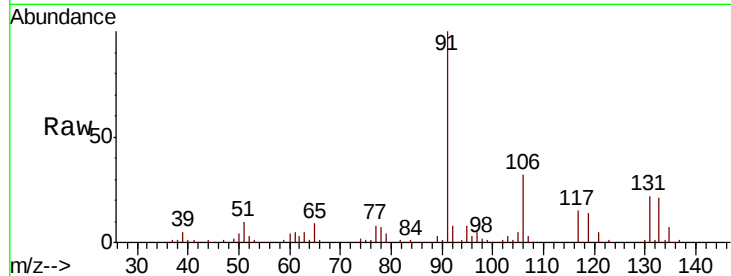
Tot Ion:131 Resp: 74399

Ion Ratio Lower Upper

131 100

133 95.4 0.0 188.8

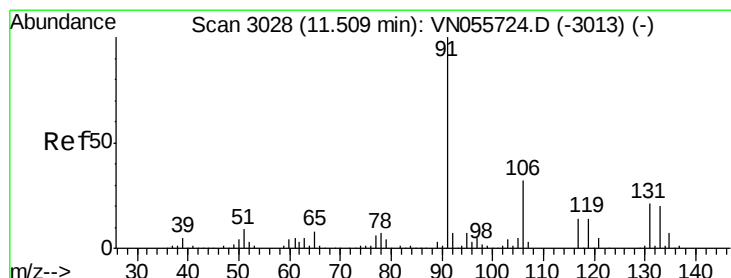
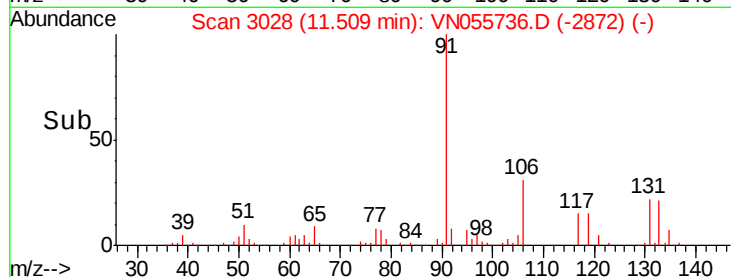
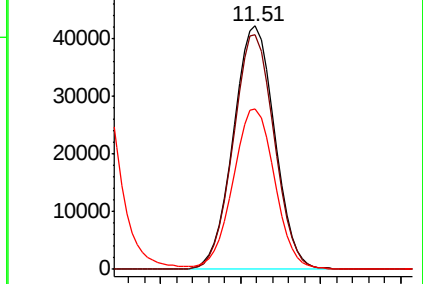
119 66.3 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.458 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055736.D

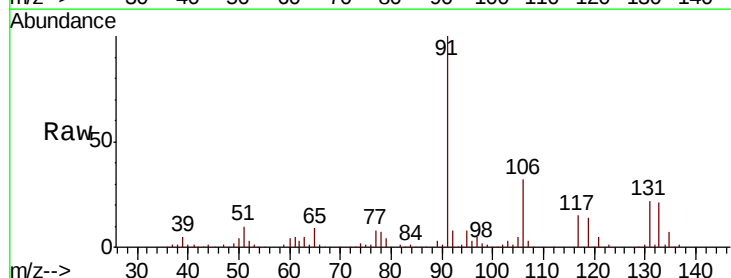
Acq: 22 May 2019 23:12

Tgt Ion: 91 Resp: 326074

Ion Ratio Lower Upper

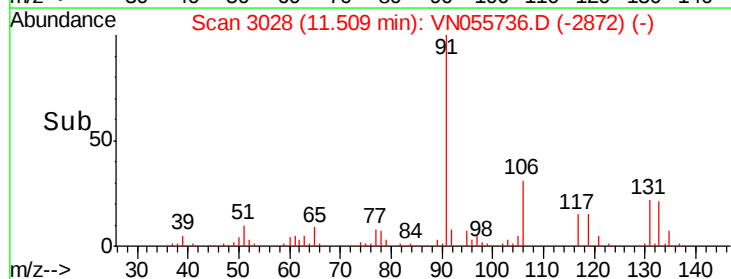
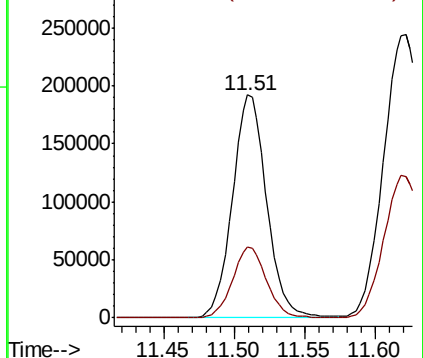
91 100

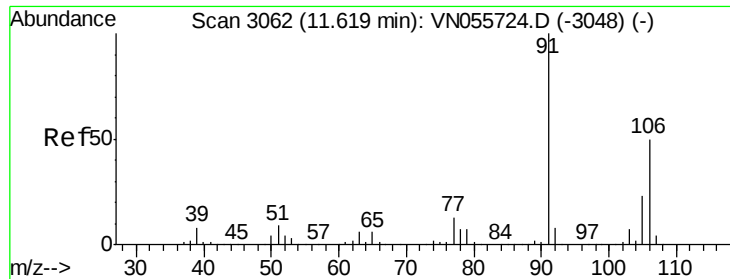
106 31.9 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

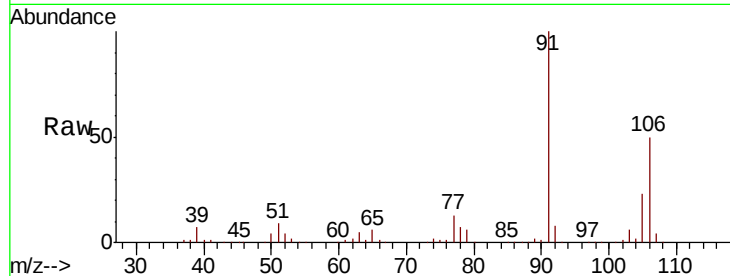




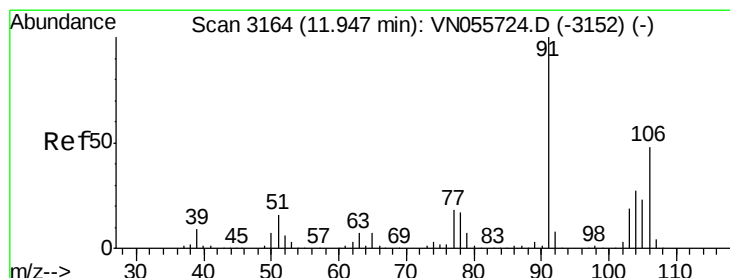
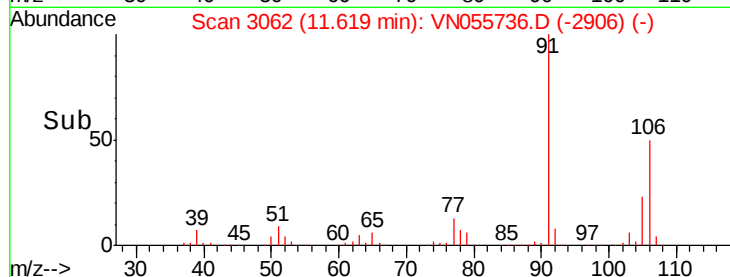
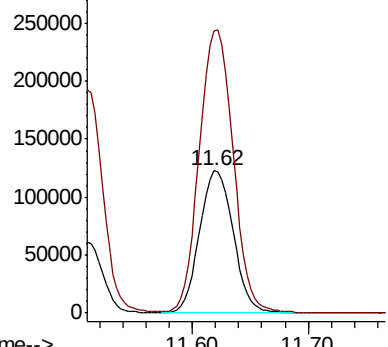
#67
m/p-Xylenes
Concen: 40.977 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Instrument :
MSVOA_N
ClientSampled :
VN0522WBSD01

Tot Ion:106 Resp: 248104
Ion Ratio Lower Upper
106 100
91 200.2 159.5 239.3

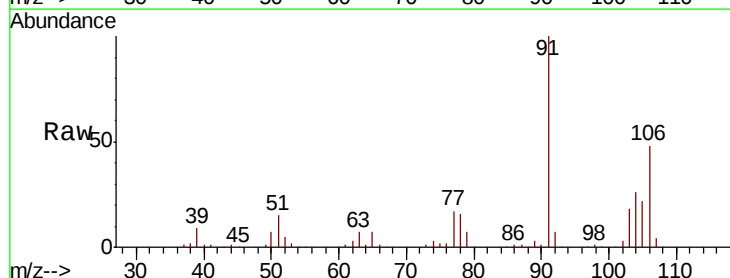


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

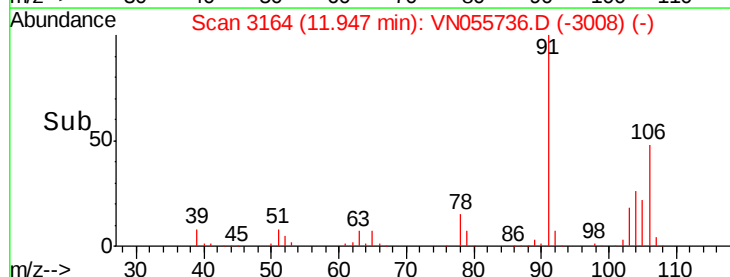
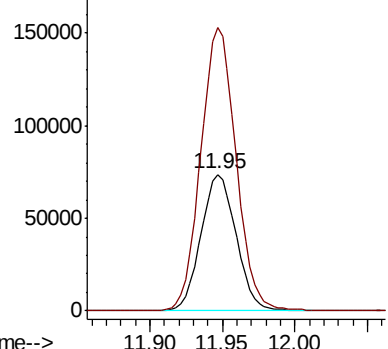


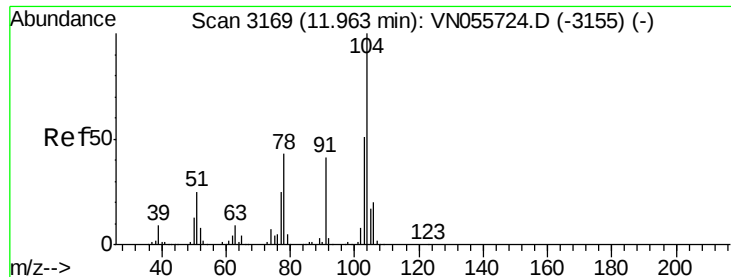
#68
o-Xylene
Concen: 20.753 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion:106 Resp: 124343
Ion Ratio Lower Upper
106 100
91 207.5 105.4 316.1



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

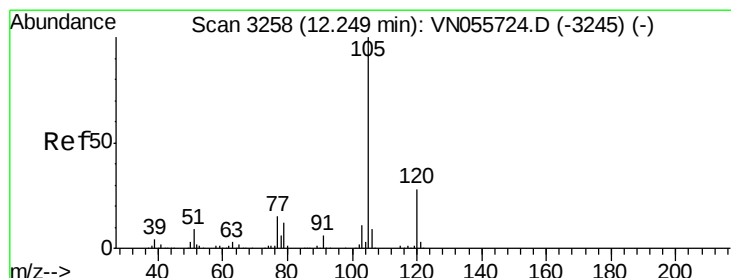
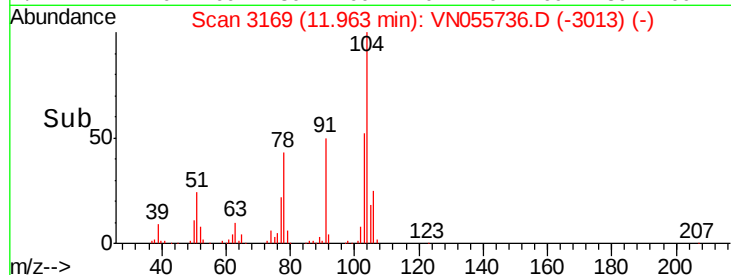
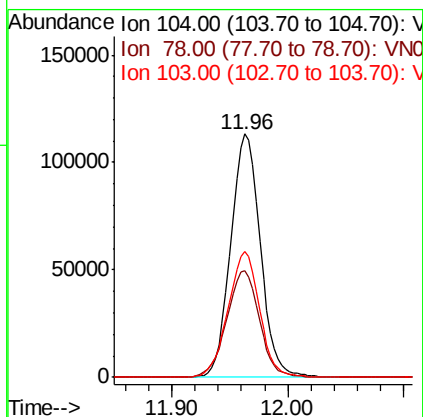
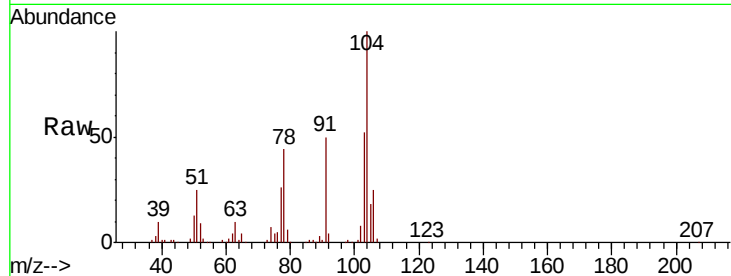




#69
Stvrene
Concen: 20.209 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

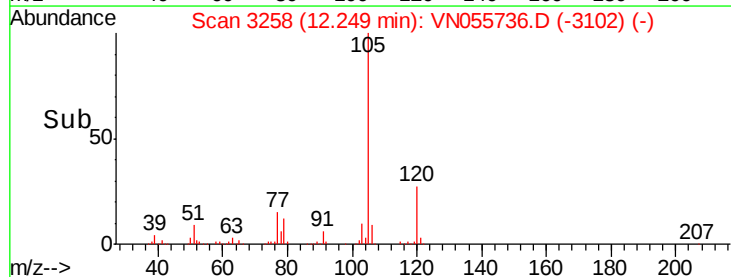
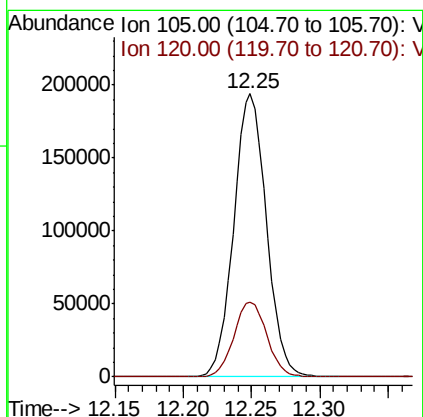
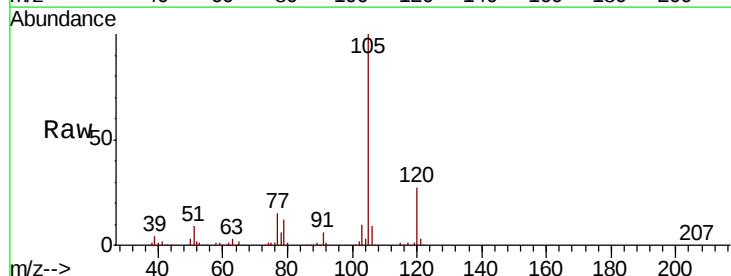
Instrument :
MSVOA_N
ClientSampled :
VN0522WBSD01

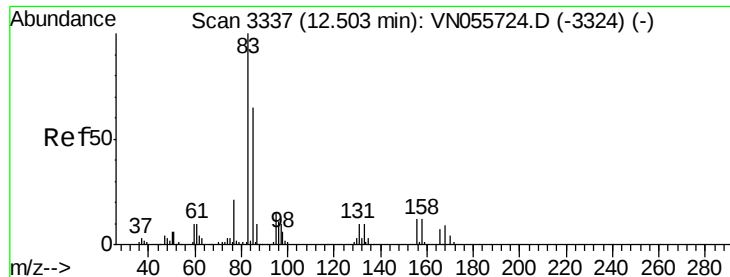
Tot Ion:104 Resp: 199770
Ion Ratio Lower Upper
104 100
78 48.4 38.7 58.1
103 55.1 45.0 67.6



#70
Isopropylbenzene
Concen: 20.527 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion:105 Resp: 321801
Ion Ratio Lower Upper
105 100
120 26.9 19.2 35.6

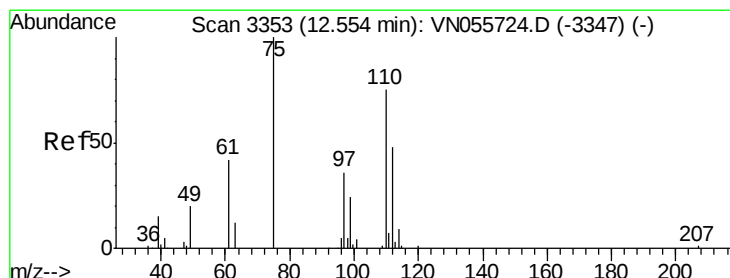
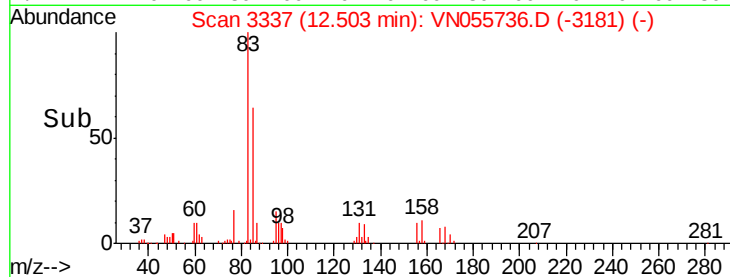
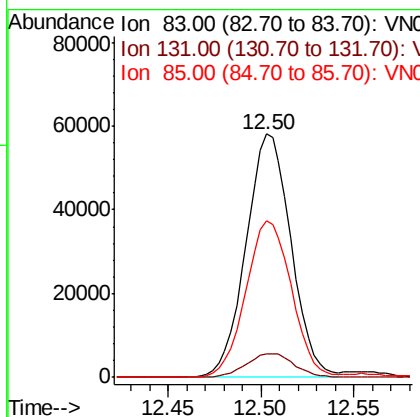
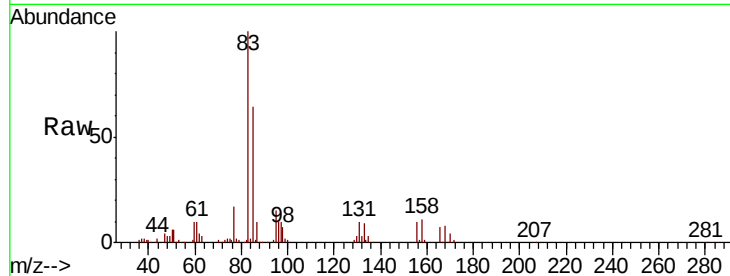




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.316 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

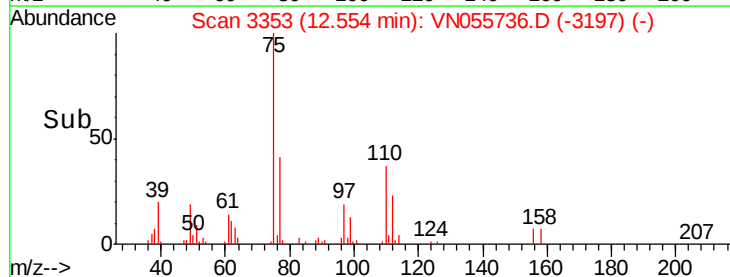
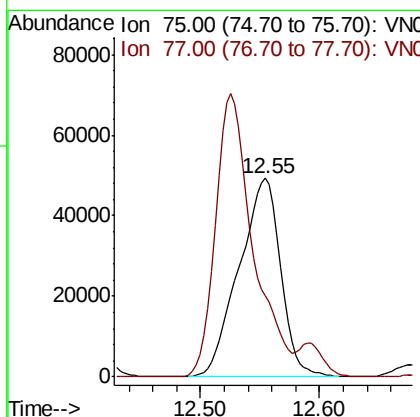
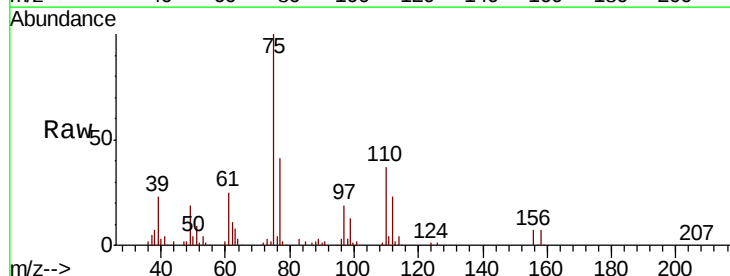
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

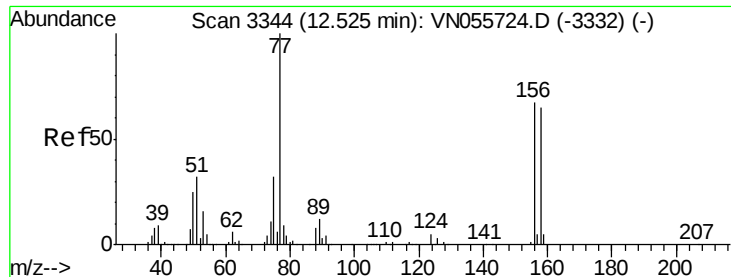
Tot Ion	83	Resp	98014
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	65.5	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 28.816 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion	75	Resp	119652
Ion Ratio	Lower	Upper	
75	100		
77	127.4	0.0	349.8





#73

Bromobenzene

Concen: 19.594 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

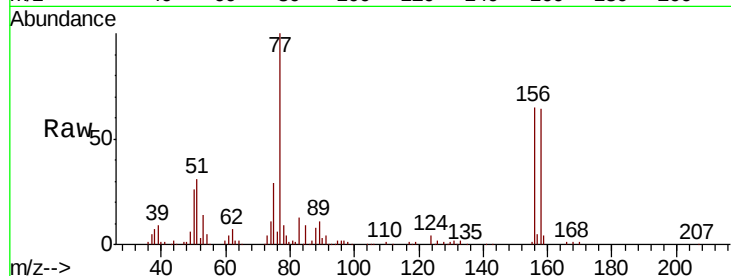
Tot Ion:156 Resp: 81261

Ion Ratio Lower Upper

156 100

77 187.6 0.0 368.0

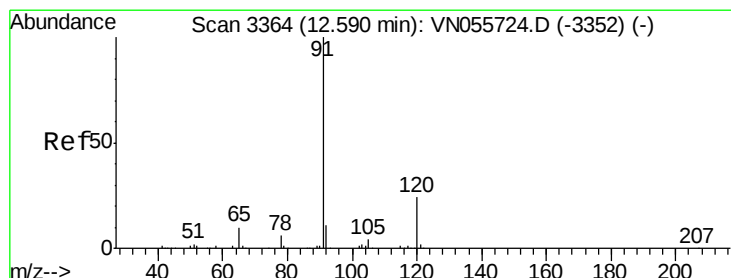
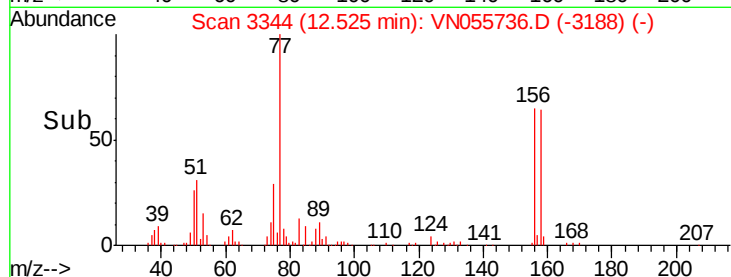
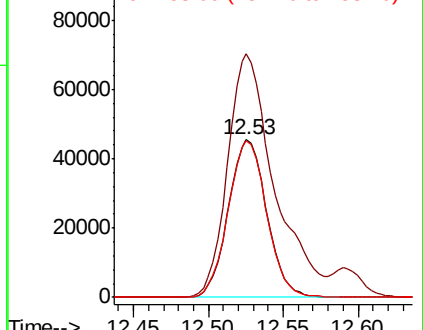
158 99.1 0.0 195.0



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: 19.761 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055736.D

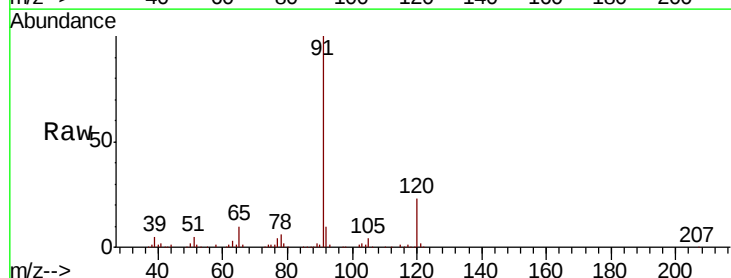
Acq: 22 May 2019 23:12

Tgt Ion: 91 Resp: 334102

Ion Ratio Lower Upper

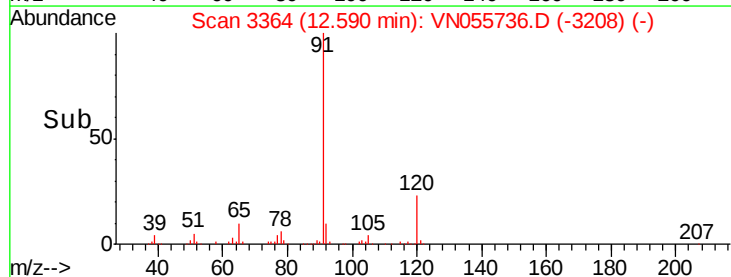
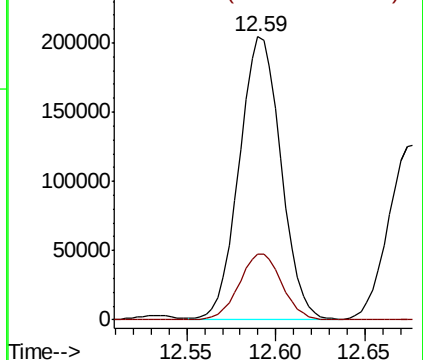
91 100

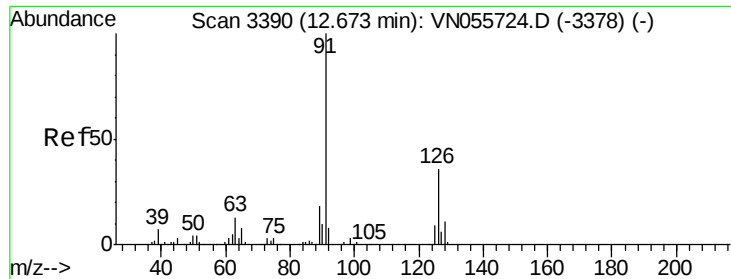
120 23.8 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.232 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

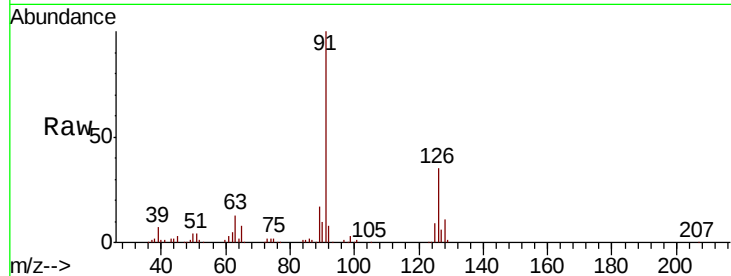
VN0522WBSD01

Tot Ion: 91 Resp: 208958

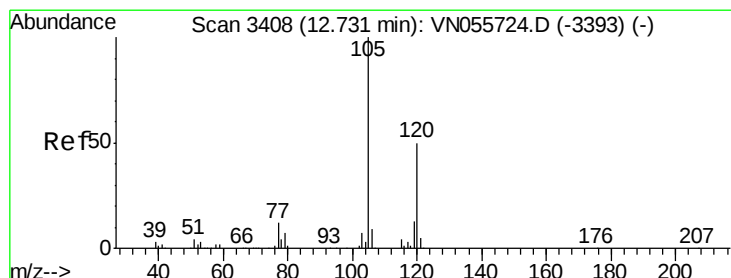
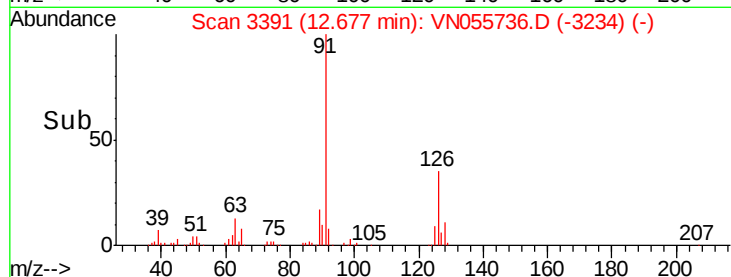
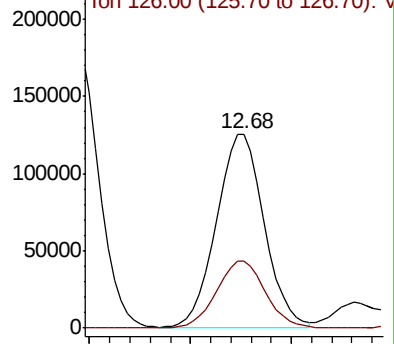
Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.122 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055736.D

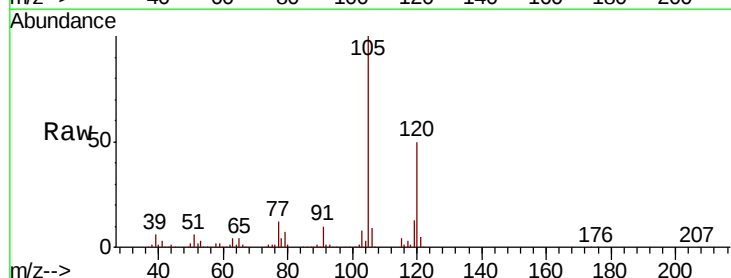
Acq: 22 May 2019 23:12

Tgt Ion: 105 Resp: 260741

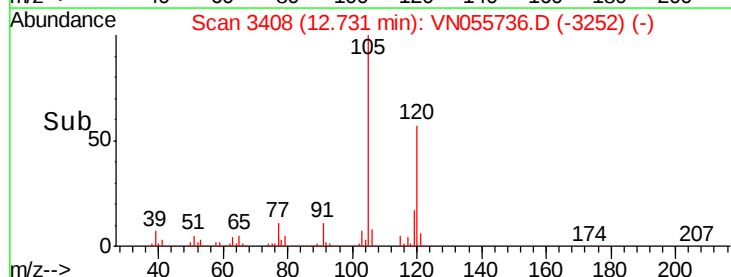
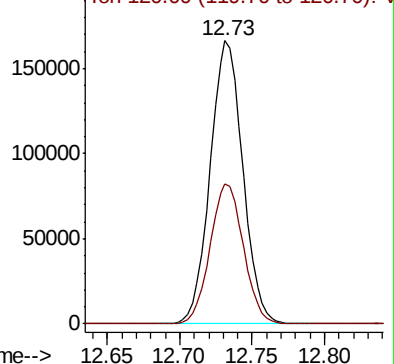
Ion Ratio Lower Upper

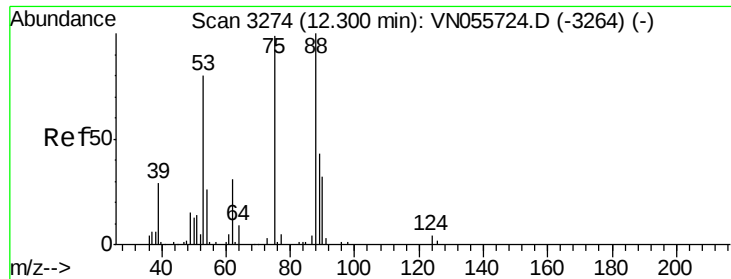
105 100

120 50.4 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.807 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

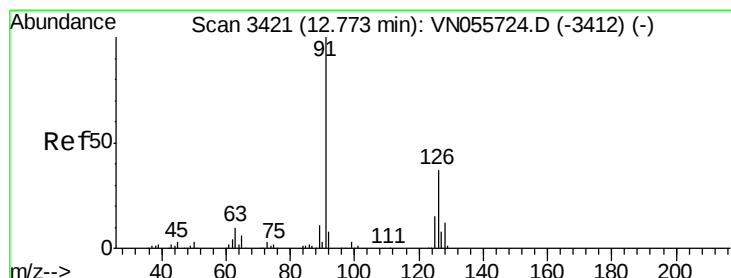
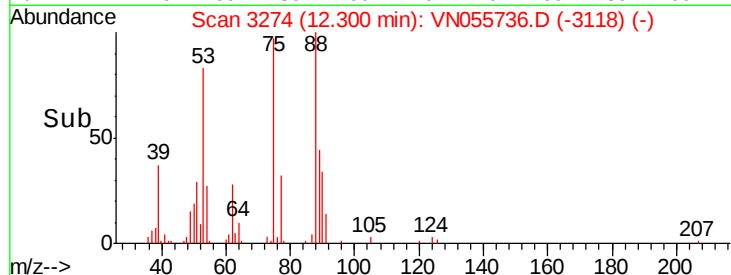
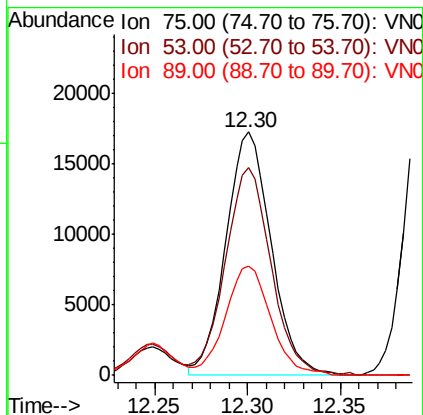
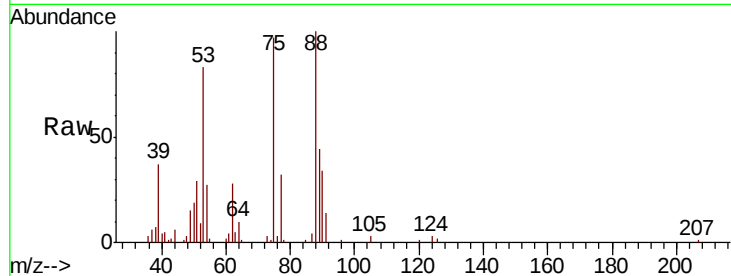
Tot Ion: 75 Resp: 29370

Ion Ratio Lower Upper

75 100

53 84.4 40.1 120.3

89 45.1 22.6 67.8



#78

4-Chlorotoluene

Concen: 19.733 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055736.D

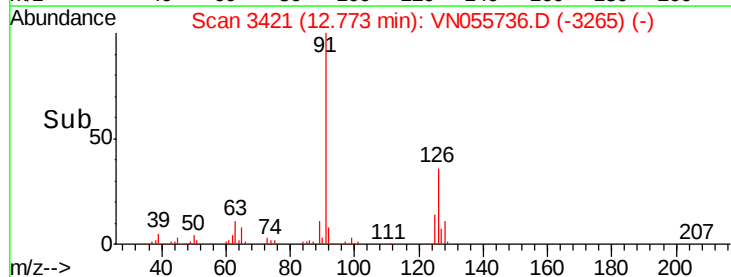
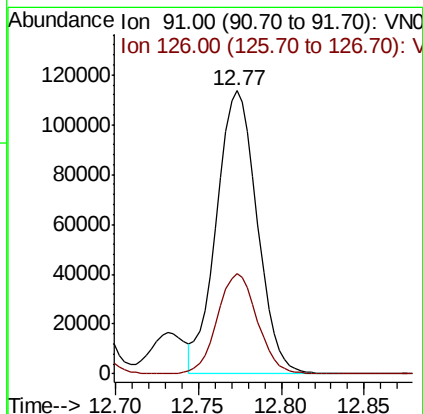
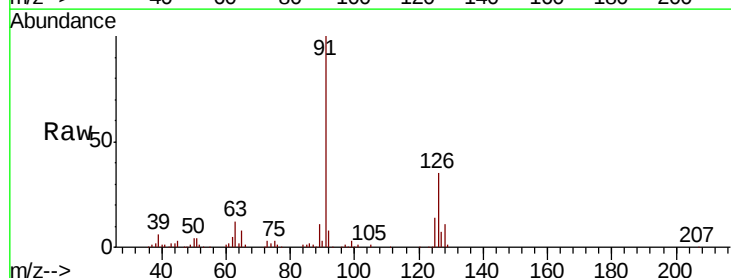
Acq: 22 May 2019 23:12

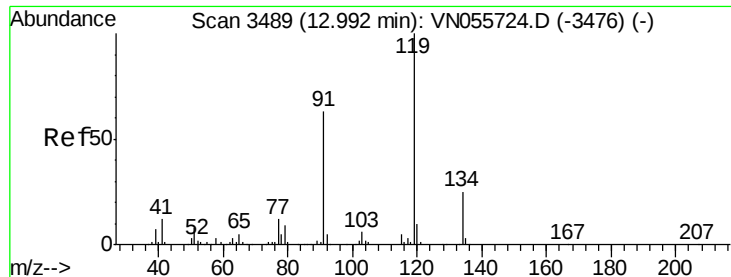
Tgt Ion: 91 Resp: 193152

Ion Ratio Lower Upper

91 100

126 34.8 0.0 69.0

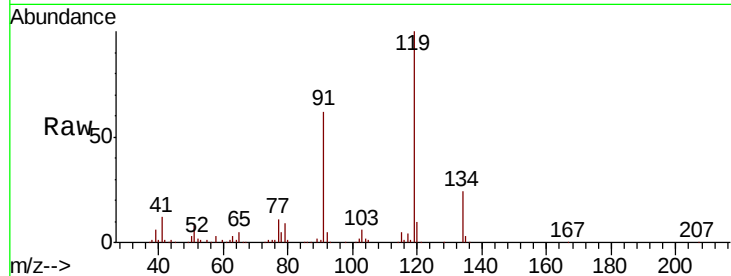




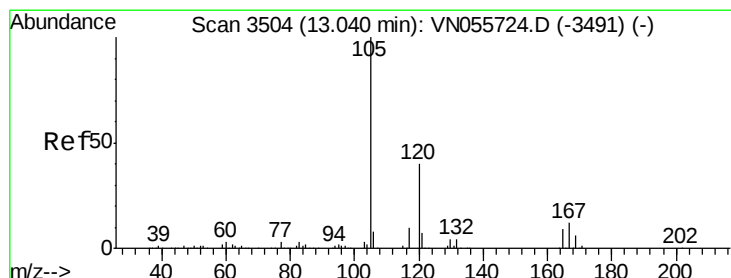
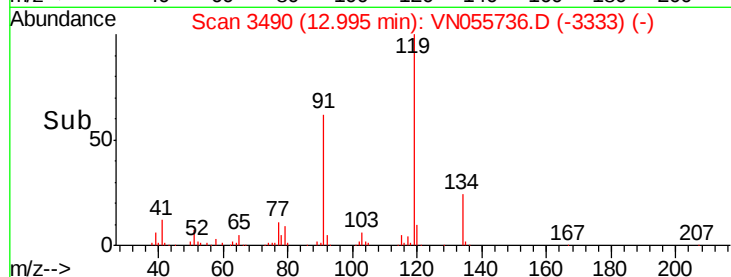
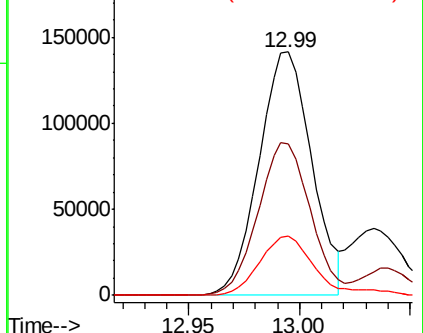
#79
tert-butylbenzene
Concen: 20.605 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

Tot Ion:119 Resp: 234735
Ion Ratio Lower Upper
119 100
91 62.0 0.0 123.8
134 25.8 0.0 52.6

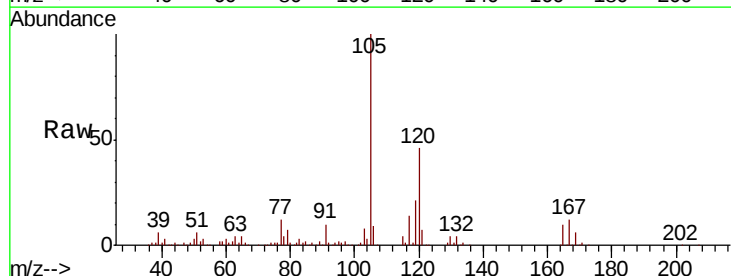


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

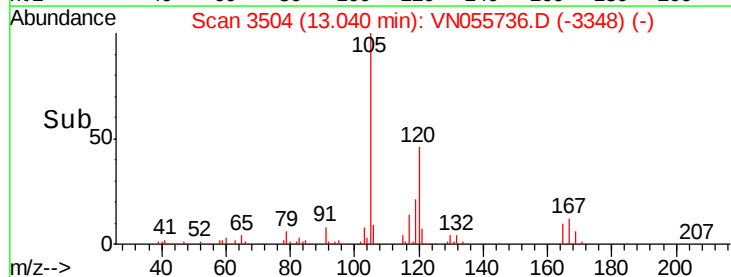
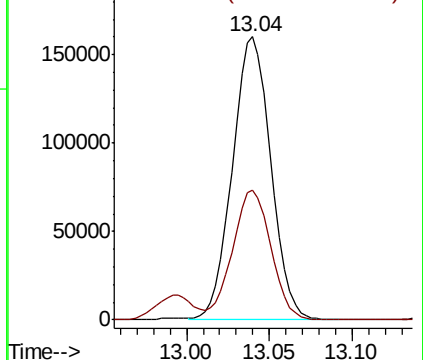


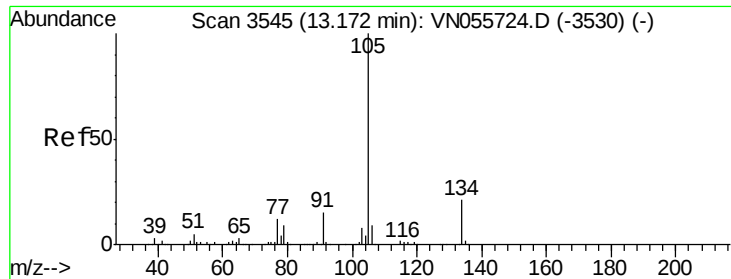
#80
1,2,4-Trimethylbenzene
Concen: 20.058 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion:105 Resp: 258011
Ion Ratio Lower Upper
105 100
120 45.8 0.0 93.6



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





#81

sec-Butylbenzene

Concen: 19.889 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

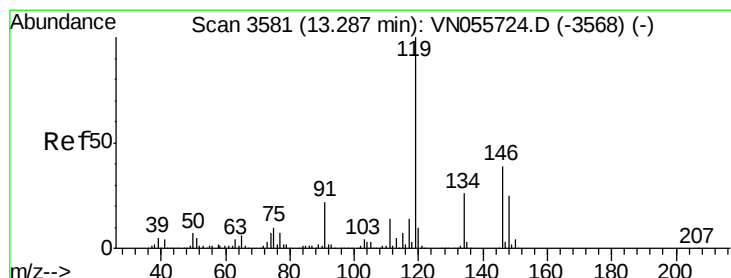
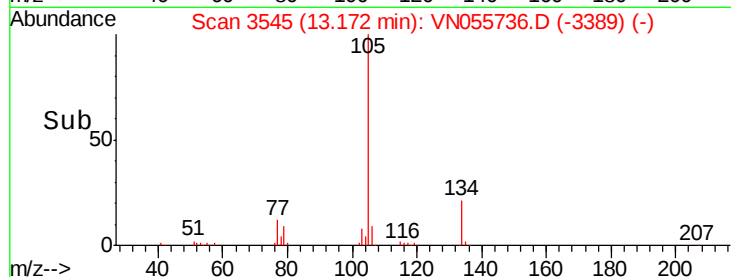
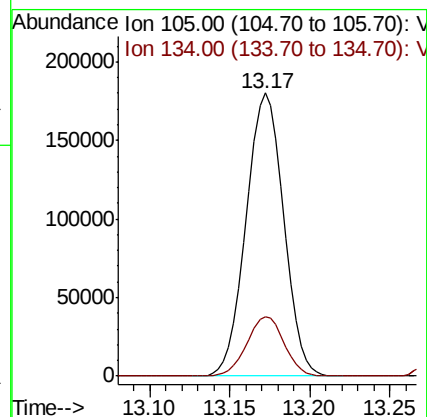
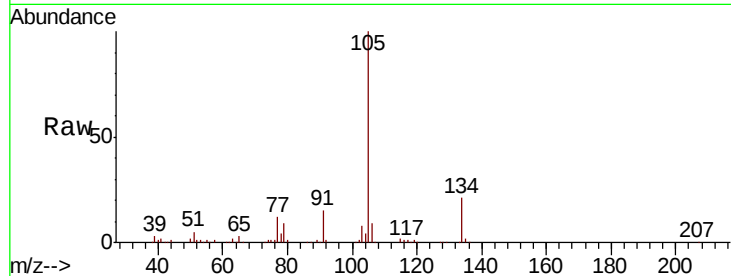
VN0522WBSD01

Tot Ion:105 Resp: 287880

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.4



#82

p-Isopropyltoluene

Concen: 19.769 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

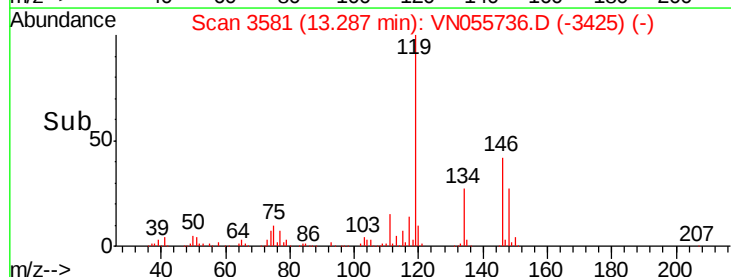
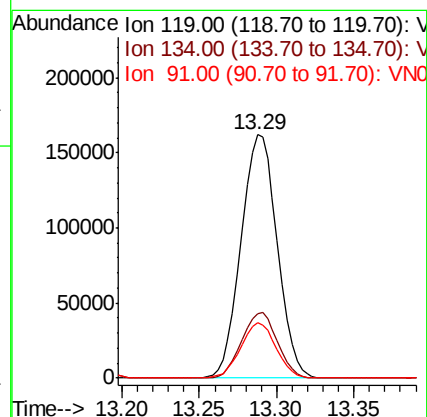
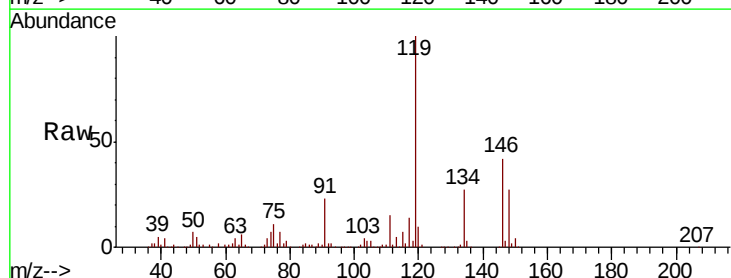
Tgt Ion:119 Resp: 263341

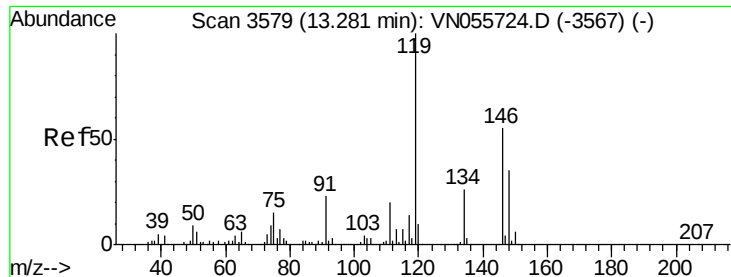
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.0

91 22.2 0.0 44.4

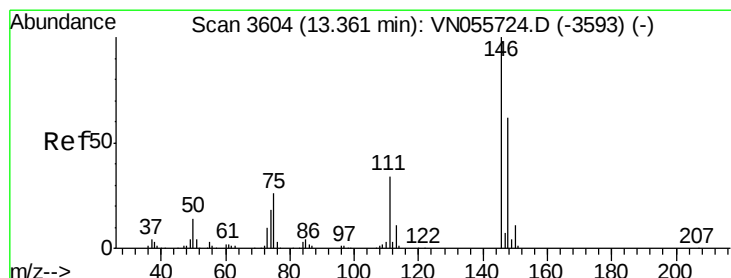
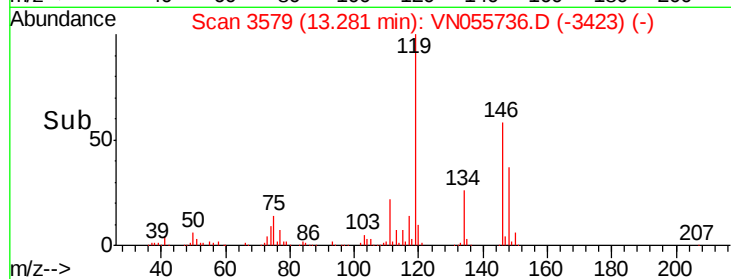
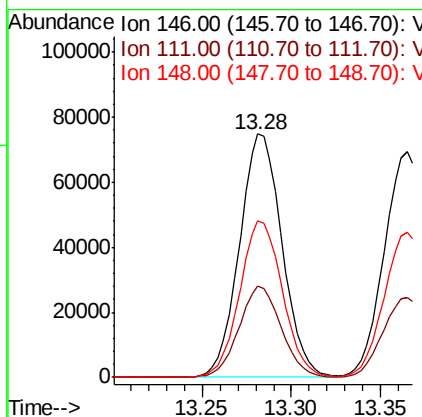
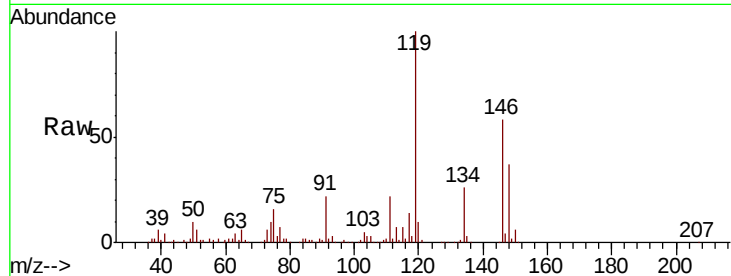




#83
 1,3-Dichlorobenzene
 Concen: 19.167 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

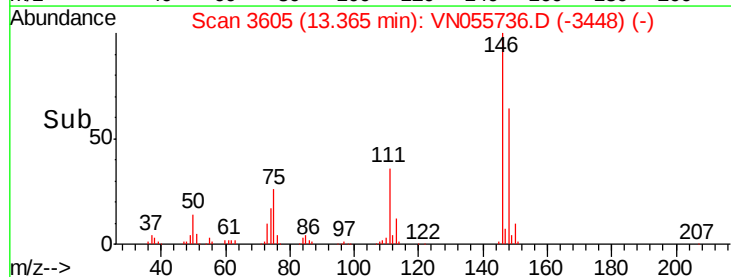
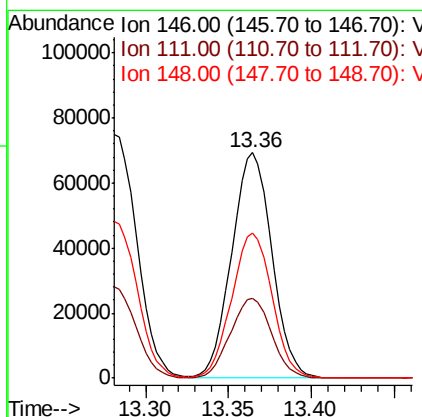
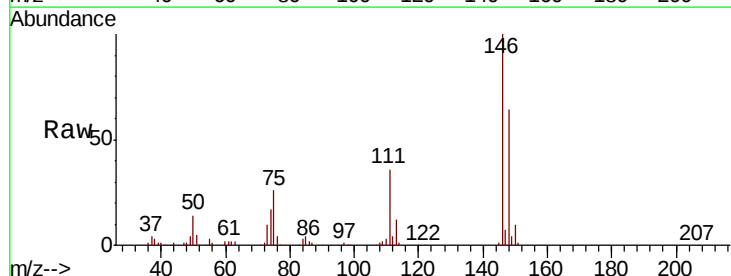
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

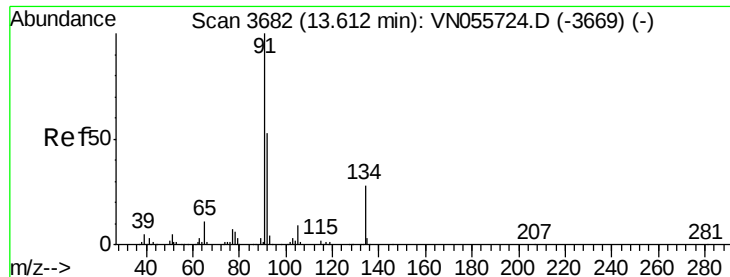
Tot Ion:146 Resp: 124611
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.6
 148 64.6 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion:146 Resp: 117142
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.5 52.6
 148 64.8 31.8 95.4

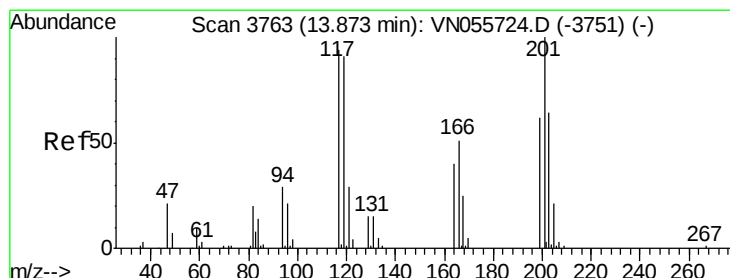
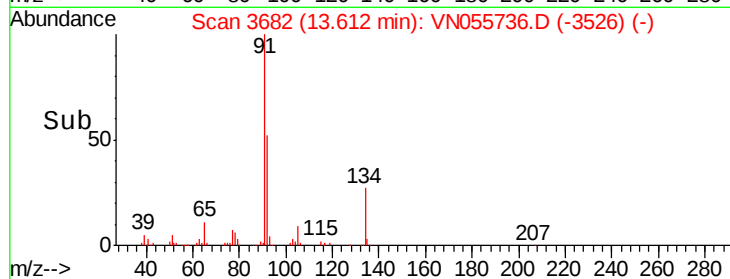
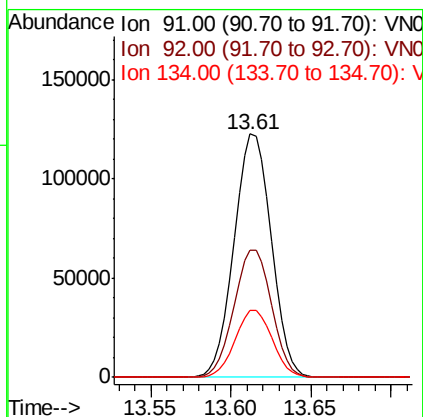
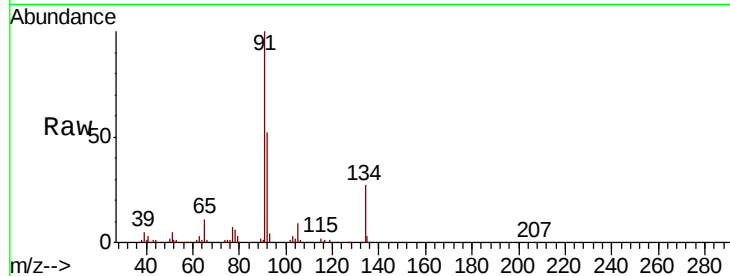




#85
n-Butylbenzene
Concen: 18.771 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

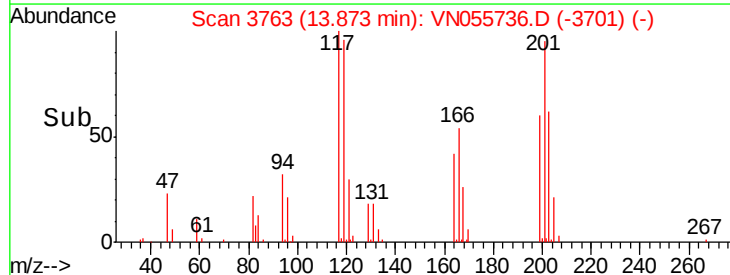
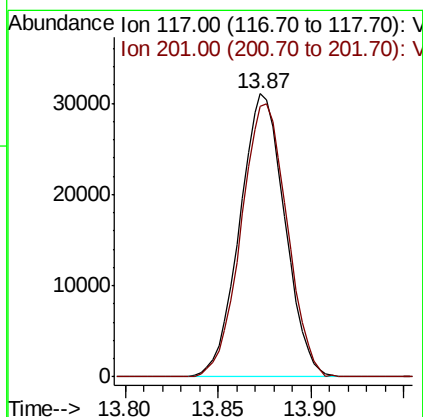
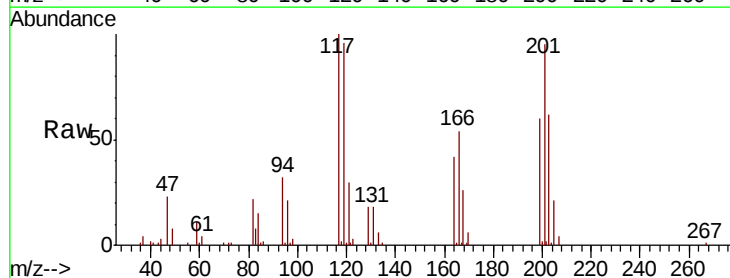
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBSD01

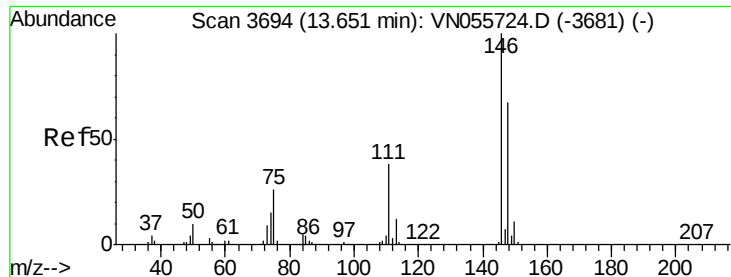
Tot Ion: 91 Resp: 194525
Ion Ratio Lower Upper
91 100
92 52.9 0.0 106.8
134 27.3 0.0 55.2



#86
Hexachloroethane
Concen: 19.986 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055736.D
Acq: 22 May 2019 23:12

Tgt Ion: 117 Resp: 52365
Ion Ratio Lower Upper
117 100
201 97.9 52.5 157.6





#87

1,2-Dichlorobenzene

Concen: 19.662 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

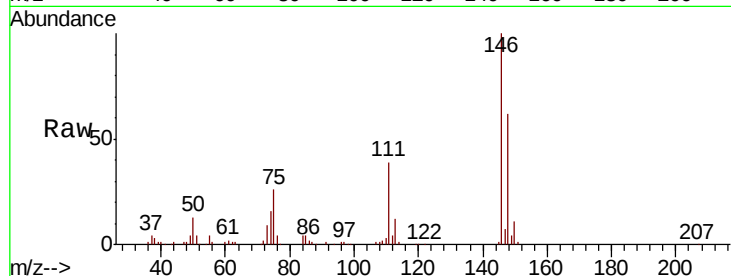
Tot Ion:146 Resp: 128719

Ion Ratio Lower Upper

146 100

111 38.1 19.2 57.6

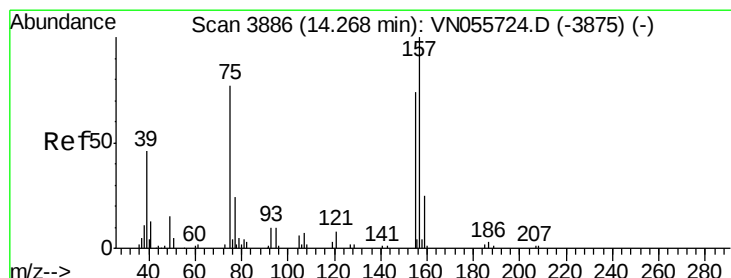
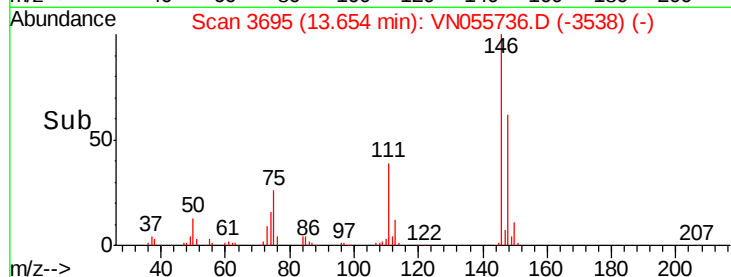
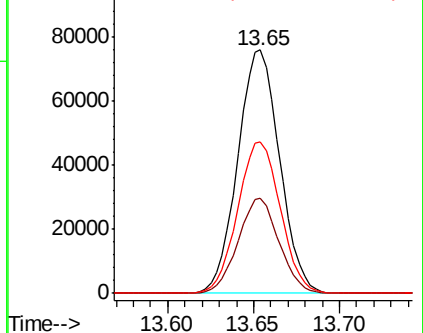
148 63.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.168 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

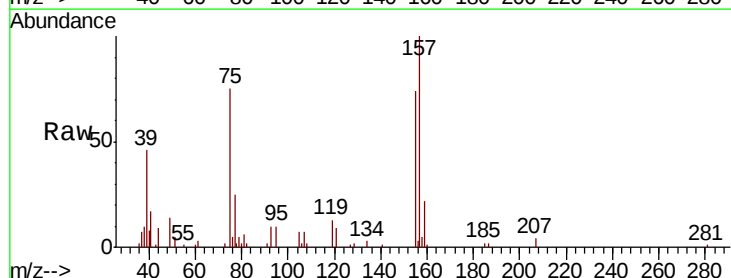
Tgt Ion: 75 Resp: 17527

Ion Ratio Lower Upper

75 100

155 99.6 78.4 117.6

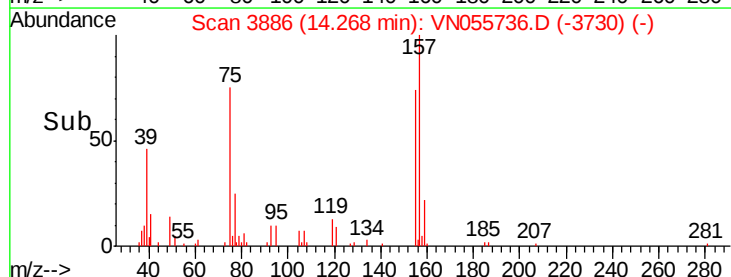
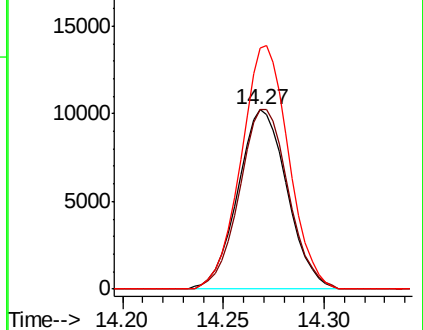
157 130.9 105.0 157.4

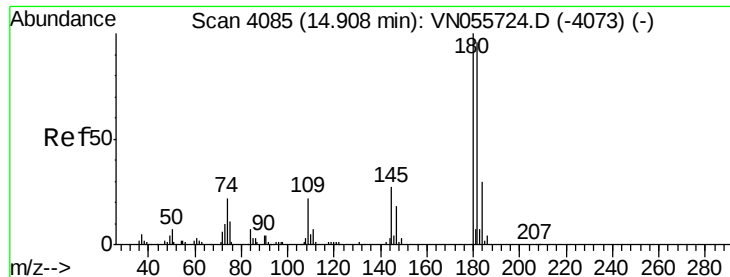


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

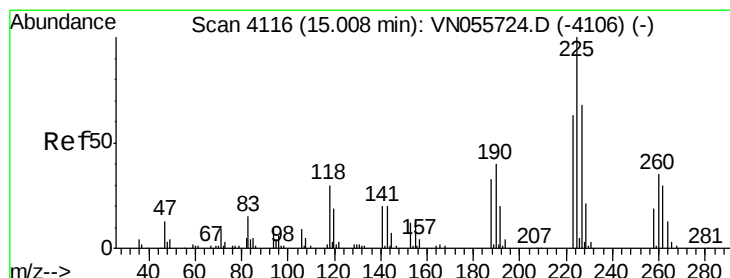
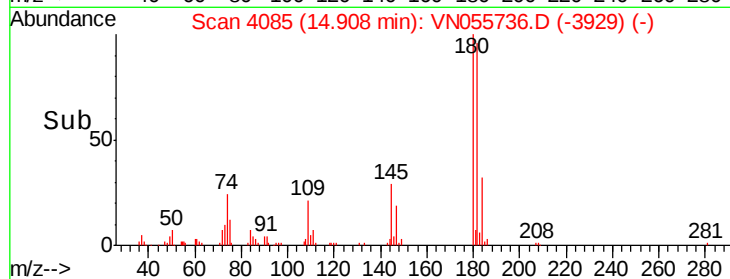
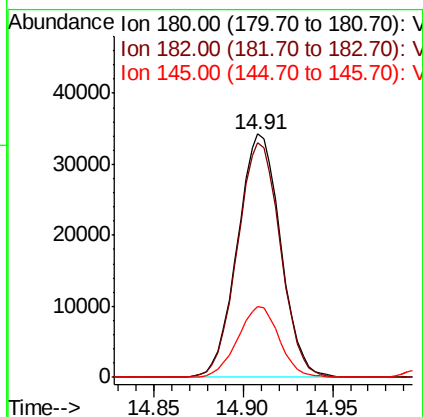
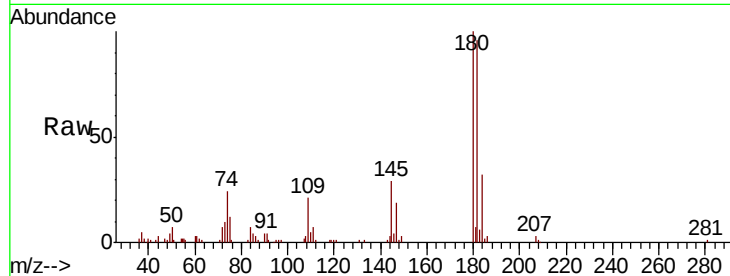




#89
 1,2,4-Trichlorobenzene
 Concen: 16.318 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

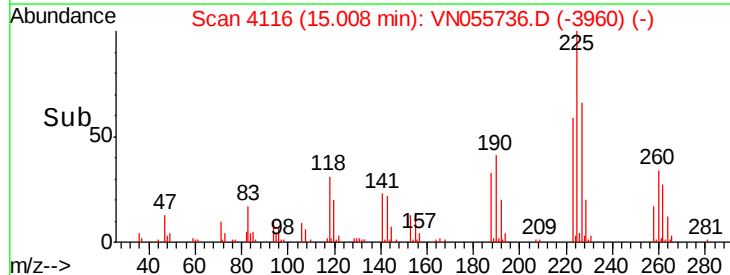
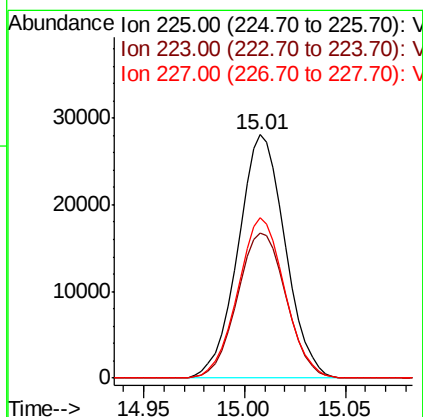
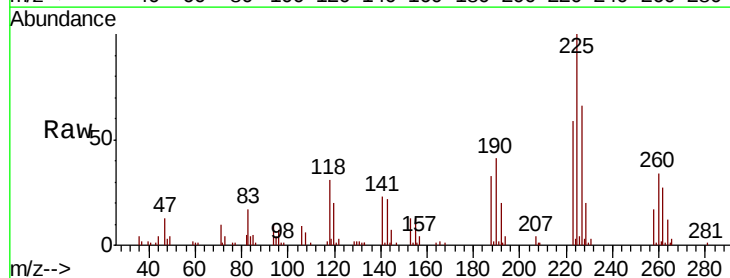
Instrument :
 MSVOA_N
 ClientSampled :
 VN0522WBSD01

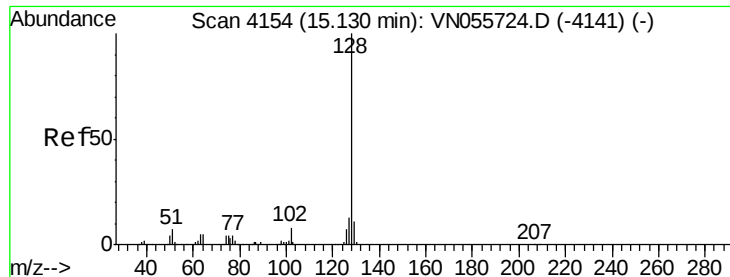
Tot Ion:180 Resp: 57663
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 145 27.9 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 17.441 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055736.D
 Acq: 22 May 2019 23:12

Tgt Ion:225 Resp: 45986
 Ion Ratio Lower Upper
 225 100
 223 61.7 0.0 126.0
 227 65.8 0.0 133.0





#91

Naphthalene

Concen: 17.174 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBSD01

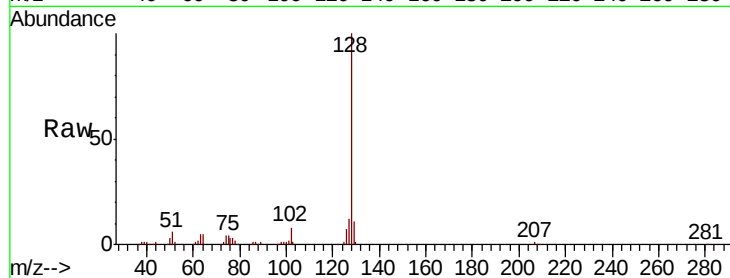
Tot Ion:128 Resp: 165820

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

129 11.2 8.7 13.1

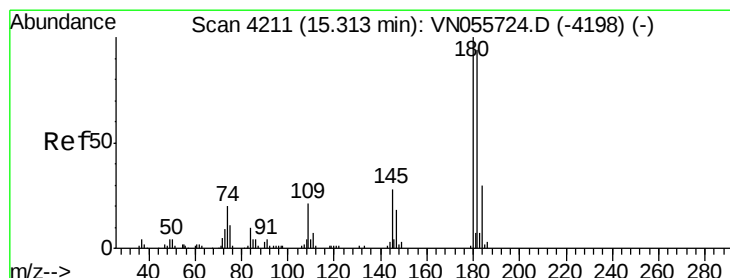
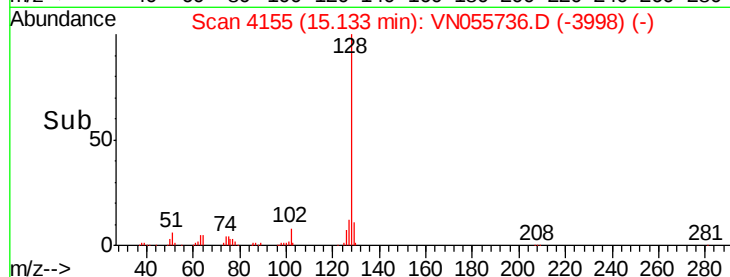
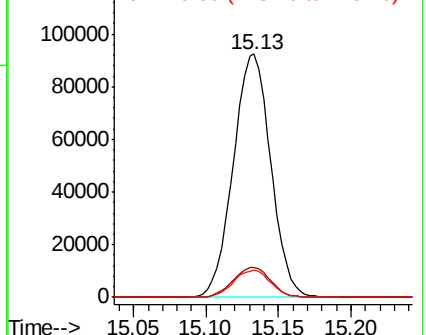


Abundance

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: 16.938 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055736.D

Acq: 22 May 2019 23:12

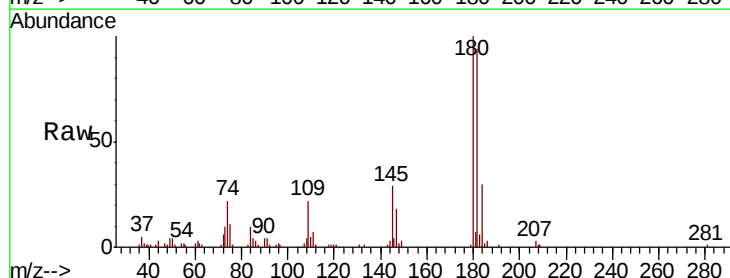
Tgt Ion:180 Resp: 62555

Ion Ratio Lower Upper

180 100

182 97.7 0.0 188.6

145 29.4 0.0 56.8



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

