

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055806.D
 Acq On : 24 May 2019 19:28
 Operator : JC/SP
 Sample : VN0524WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Quant Time: May 25 04:24:26 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	59416	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	320071	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	279345	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	112036	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	12.40	95	123026	28.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.37%
63) Toluene-d8	10.09	98	381718	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	47787	18.344	ug/l 96
3) Chloromethane	2.06	50	66952	18.068	ug/l 100
4) Vinyl Chloride	2.18	62	72961	19.292	ug/l 99
5) Bromomethane	2.54	94	51941	23.458	ug/l 99
6) Chloroethane	2.69	64	46134	20.882	ug/l 97
7) Trichlorofluoromethane	3.01	101	96640	20.368	ug/l 100
8) Diethyl Ether	3.40	74	43106	20.667	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58661	19.567	ug/l 98
10) 1,1-Dichloroethene	3.72	96	61241	19.527	ug/l 95
11) Methyl Iodide	3.94	142	91258	20.398	ug/l 98
12) Methyl Acetate	4.33	43	68511	17.862	ug/l 99
13) Acrolein	3.60	56	48964	91.874	ug/l 96
14) Acrylonitrile	4.99	53	165031	94.374	ug/l 99
15) Acetone	3.82	58	43934	80.896	ug/l 97
16) Carbon Disulfide	4.04	76	162221	18.041	ug/l 99
17) Allyl chloride	4.31	41	98955	17.519	ug/l 95
18) Methylene Chloride	4.55	84	69940	19.472	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	66146	19.606	ug/l 96
20) Diisopropyl ether	5.96	45	200637	18.311	ug/l 97
21) 1,1-Dichloroethane	5.84	63	118357	19.112	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	77227	19.627	ug/l 95
23) tert-Butyl Alcohol	4.82	59	70036	91.194	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	203044	19.081	ug/l 98
25) Chloroform	7.37	83	118783	19.421	ug/l 99
26) Cyclohexane	7.65	56	104824	18.348	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	88046	19.650	ug/l 99
30) 2-Butanone	6.84	43	215711	90.322	ug/l 98
31) 2,2-Dichloropropane	6.82	77	80420	15.423	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104812	19.735	ug/l 99
33) Carbon Tetrachloride	7.77	117	91965	19.358	ug/l 96
34) Benzene	8.04	78	274830	19.867	ug/l 99
35) Methacrylonitrile	7.18	41	43375	19.677	ug/l 95
36) 1,2-Dichloroethane	8.12	62	89347	19.764	ug/l 100
37) Trichloroethene	8.83	130	78272	20.279	ug/l 97
38) Methylcyclohexane	9.08	83	105245	18.539	ug/l 97
39) 1,2-Dichloropropane	9.12	63	71227	19.153	ug/l 97
40) Dibromomethane	9.21	93	47987	19.983	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93613	19.021	ug/l	99
42) Vinyl Acetate	5.90	43	853125	92.006	ug/l	98
43) Ethyl Acetate	6.93	43	87664	18.674	ug/l #	100
44) Isopropyl Acetate	8.17	43	142206	18.294	ug/l #	86
45) 1,4-Dioxane	9.21	88	28553	390.435	ug/l	95
46) Methyl methacrylate	9.20	41	69854	19.260	ug/l	99
47) n-amyl Acetate	12.07	43	114578	17.820	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	94966	17.480	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	107679	18.108	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	70136	20.062	ug/l	99
51) Ethyl methacrylate	10.43	69	106605	18.919	ug/l	99
52) 1,3-Dichloropropane	10.71	76	112777	19.571	ug/l	100
53) Dibromochloromethane	10.90	129	78362	18.975	ug/l	99
54) 1,2-Dibromoethane	11.00	107	72434	20.023	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	192521	87.812	ug/l	98
56) Bromoform	12.13	173	59959	17.700	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	438794	94.886	ug/l	98
59) 2-Hexanone	10.75	43	304904	92.226	ug/l	99
61) Tetrachloroethene	10.63	164	80533	21.297	ug/l	97
62) Toluene	10.16	91	305624	20.345	ug/l	99
64) Chlorobenzene	11.43	112	186425	20.458	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	73066	19.901	ug/l	99
66) Ethyl Benzene	11.51	91	327906	19.978	ug/l	99
67) m/p-Xylenes	11.62	106	250313	40.146	ug/l	99
68) o-Xylene	11.95	106	126582	20.516	ug/l	97
69) Styrene	11.96	104	198219	19.473	ug/l	98
70) Isopropylbenzene	12.25	105	326538	20.227	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97616	19.648	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	115005	26.896	ug/l	67
73) Bromobenzene	12.53	156	86427	20.237	ug/l	94
74) n-propylbenzene	12.59	91	334587	19.217	ug/l	99
75) 2-Chlorotoluene	12.67	91	210646	19.806	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	264058	19.789	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25551	15.044	ug/l	93
78) 4-Chlorotoluene	12.77	91	194323	19.279	ug/l	99
79) tert-butylbenzene	12.99	119	238584	20.338	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	261007	19.704	ug/l	100
81) sec-Butylbenzene	13.17	105	294613	19.766	ug/l	100
82) p-Isopropyltoluene	13.29	119	264151	19.257	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	129825	19.392	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	120317	18.871	ug/l	100
85) n-Butylbenzene	13.61	91	186056	17.435	ug/l	99
86) Hexachloroethane	13.87	117	46613	17.277	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	132862	19.708	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16475	17.496	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	59025	16.220	ug/l	100
90) Hexachlorobutadiene	15.01	225	48868	17.998	ug/l	98
91) Naphthalene	15.13	128	163020	16.396	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	65170	17.136	ug/l	98

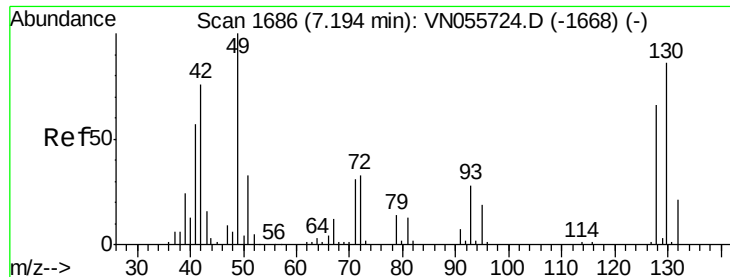
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

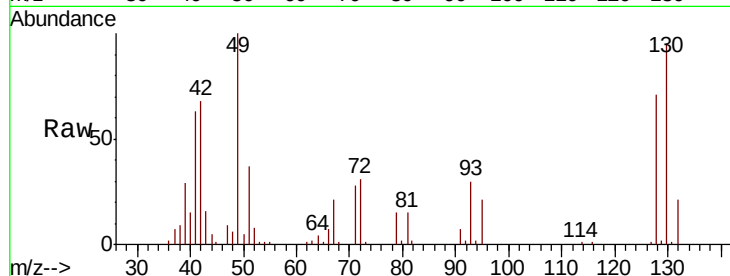
Tot Ion:128 Resp: 59416

Ion Ratio Lower Upper

128 100

49 140.1 0.0 383.2

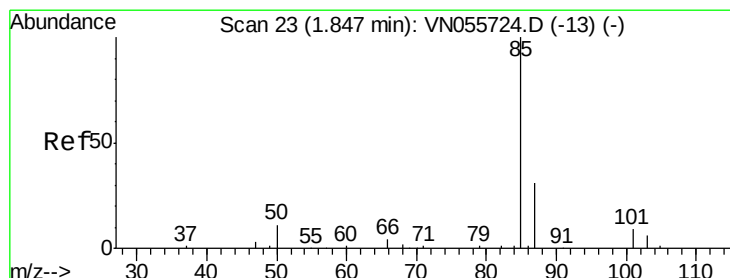
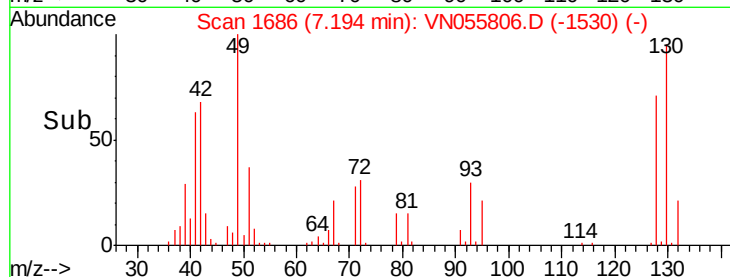
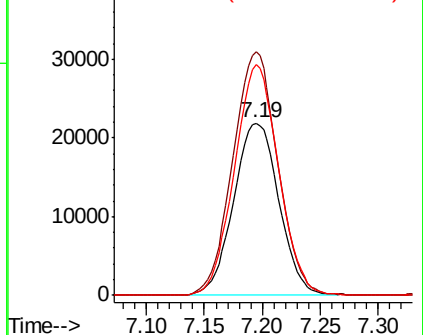
130 130.5 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.344 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055806.D

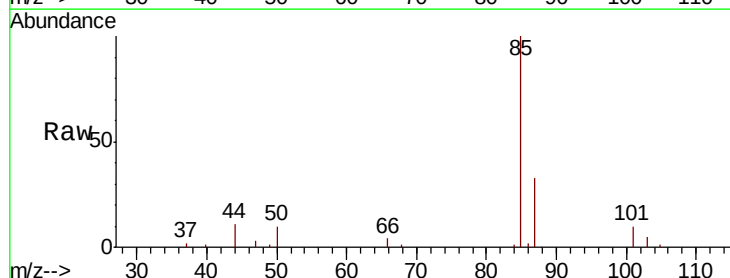
Acq: 24 May 2019 19:28

Tgt Ion: 85 Resp: 47787

Ion Ratio Lower Upper

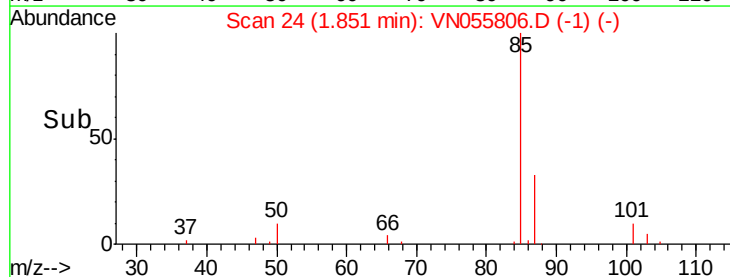
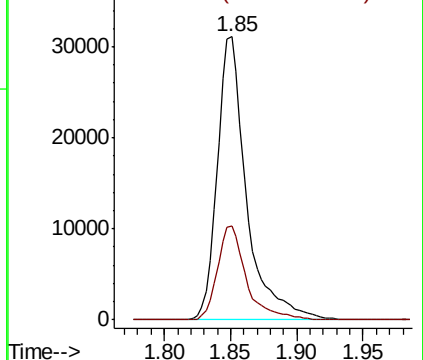
85 100

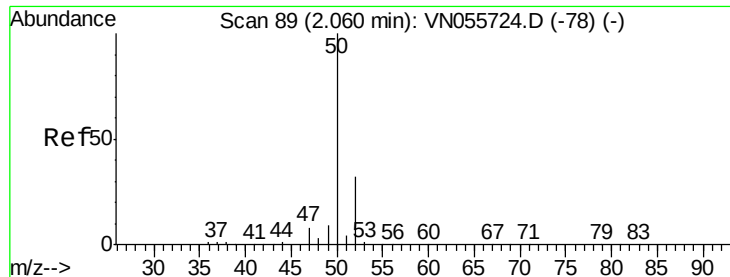
87 33.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.068 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

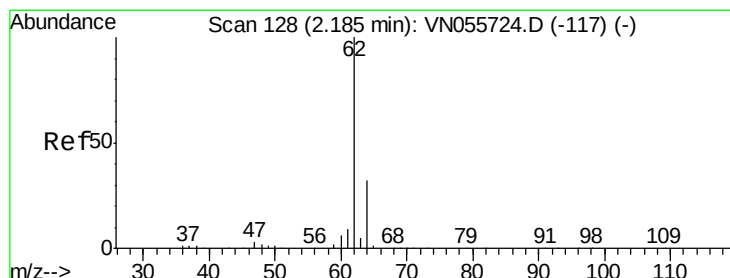
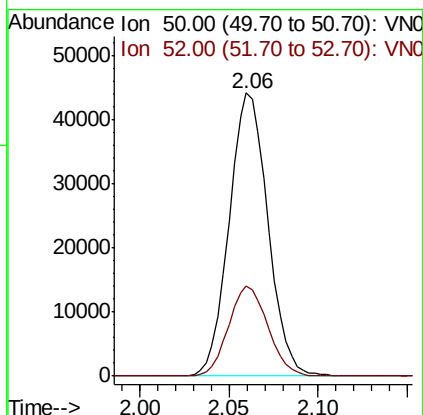
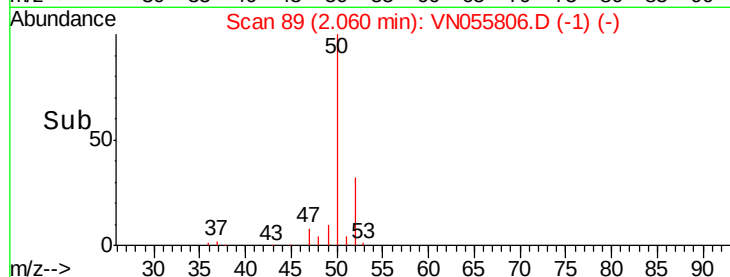
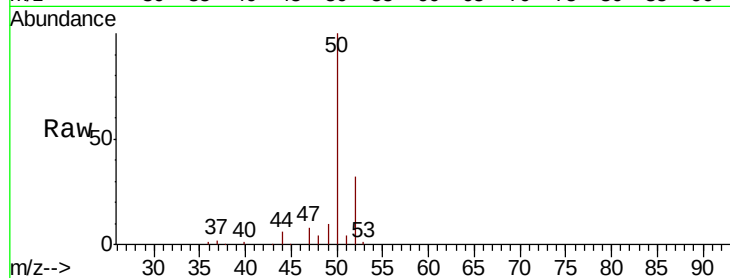
VN0524WBSD01

Tot Ion: 50 Resp: 66952

Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.2



#4

Vinyl Chloride

Concen: 19.292 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055806.D

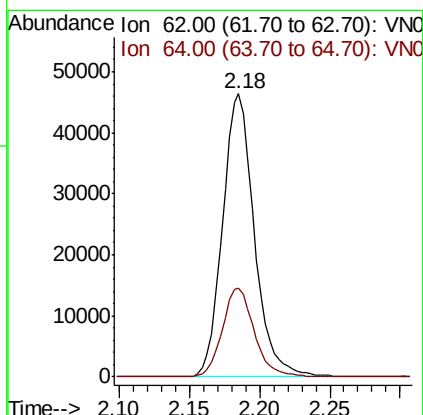
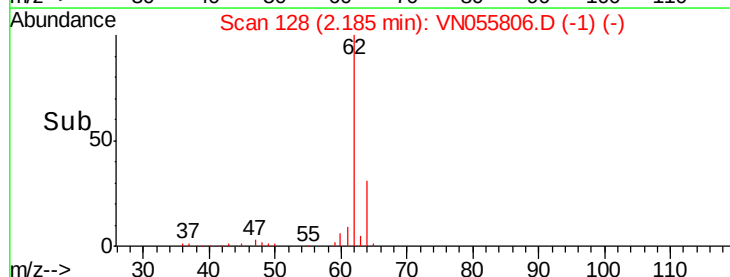
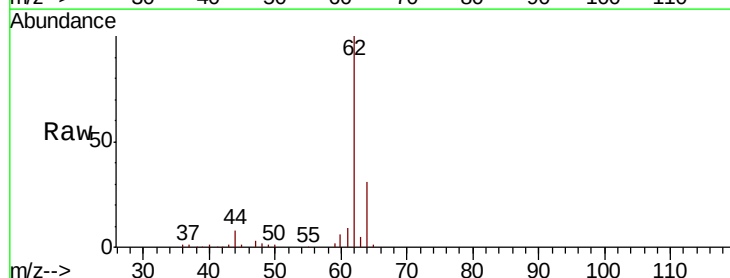
Acq: 24 May 2019 19:28

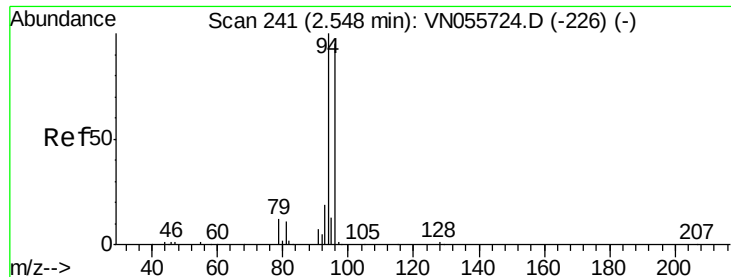
Tgt Ion: 62 Resp: 72961

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 23.458 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

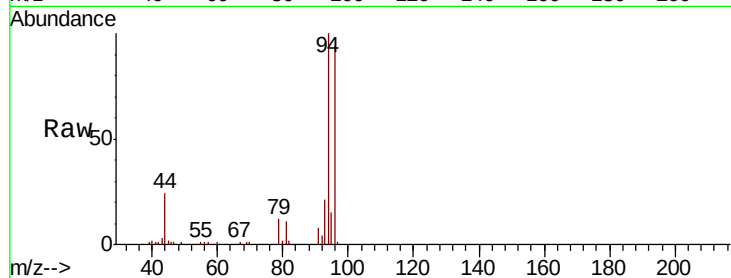
VN0524WBSD01

Tot Ion: 94 Resp: 51941

Ion Ratio Lower Upper

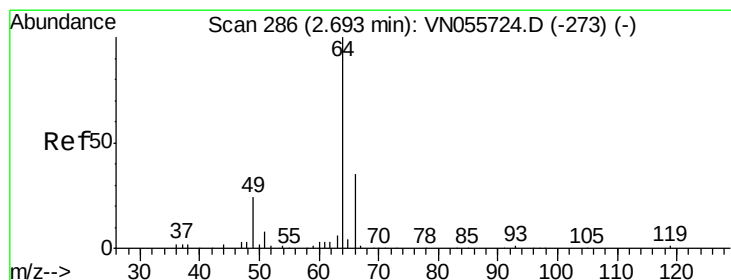
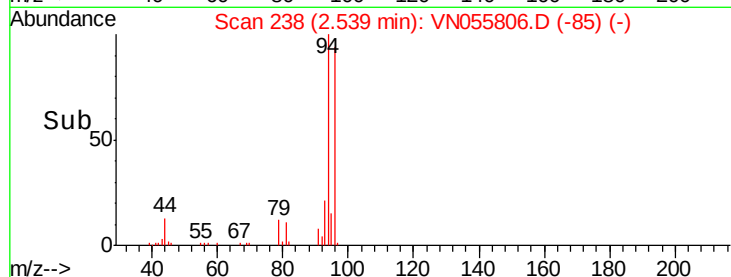
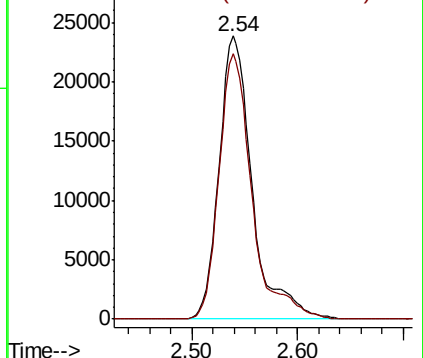
94 100

96 93.7 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.882 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055806.D

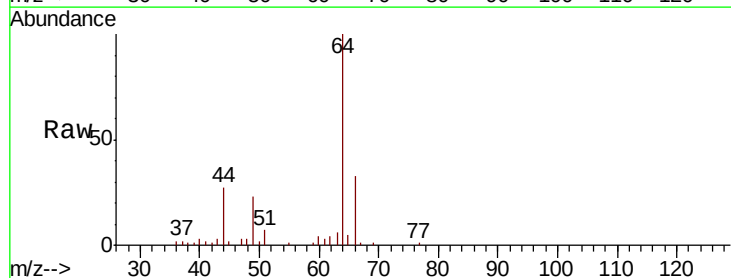
Acq: 24 May 2019 19:28

Tgt Ion: 64 Resp: 46134

Ion Ratio Lower Upper

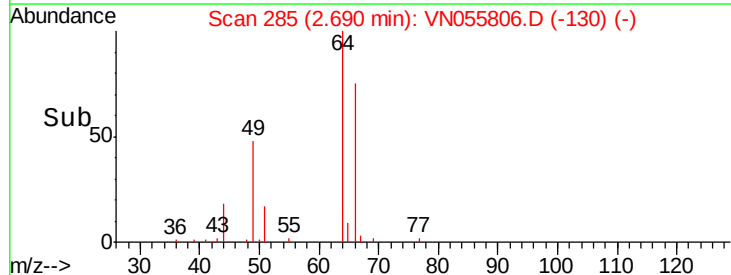
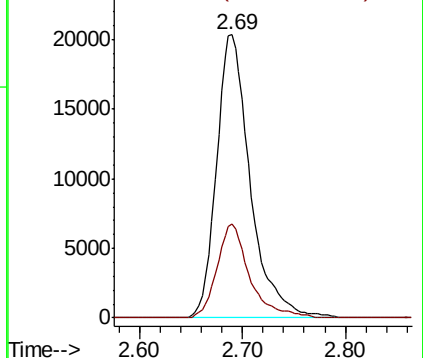
64 100

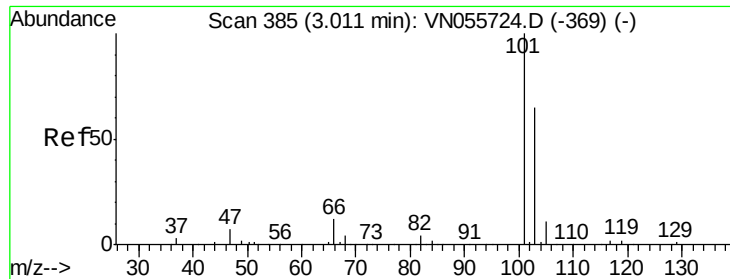
66 33.2 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



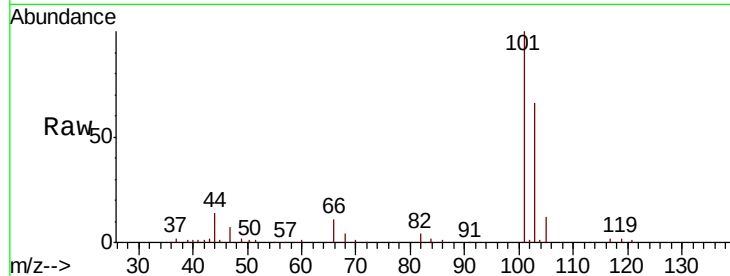


#7

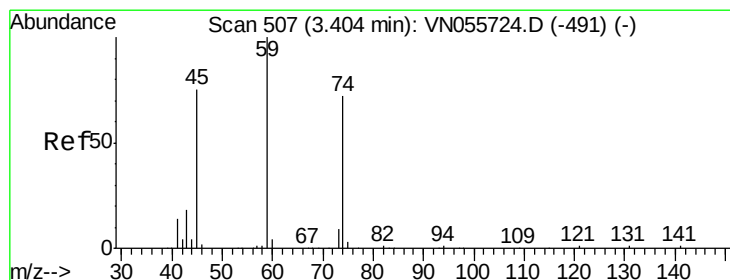
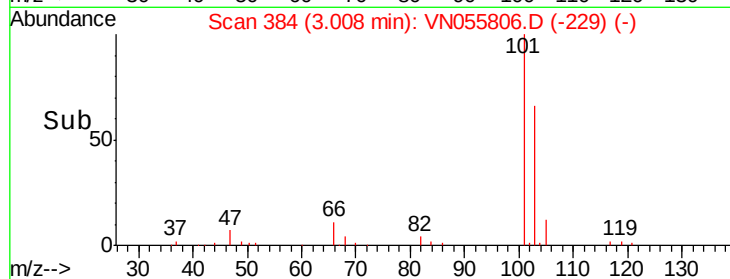
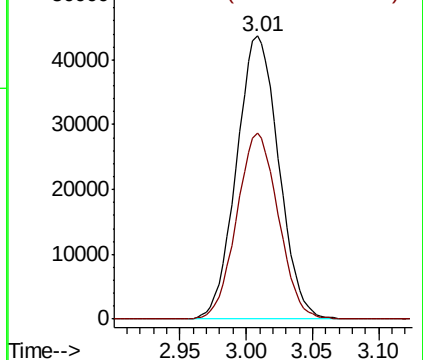
Trichlorofluoromethane
Concen: 20.368 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
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VN0524WBSD01

Tot Ion:101 Resp: 96640
Ion Ratio Lower Upper
101 100
103 65.6 52.6 78.8



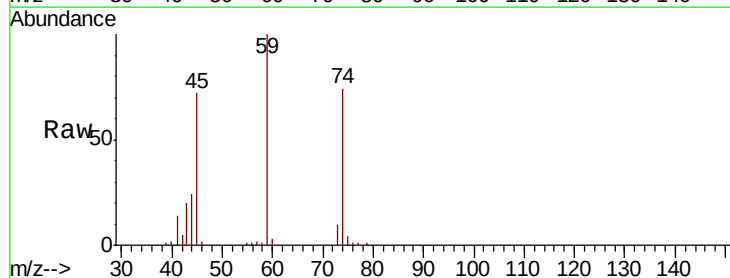
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



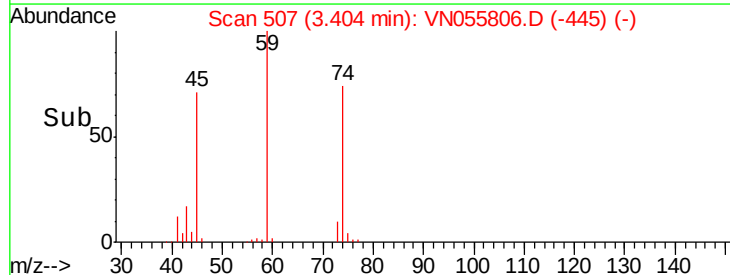
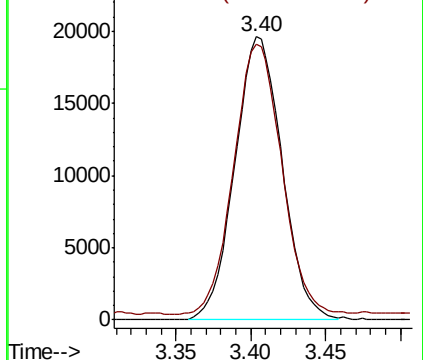
#8

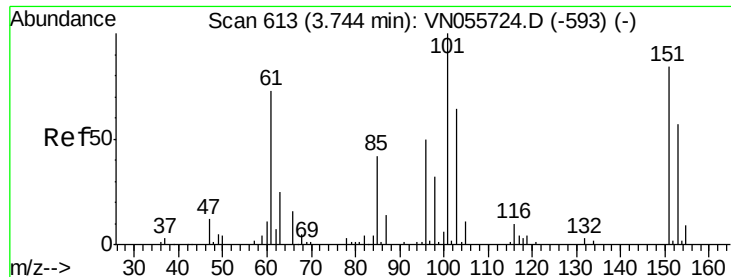
Diethyl Ether
Concen: 20.667 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 74 Resp: 43106
Ion Ratio Lower Upper
74 100
45 96.4 20.4 184.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.567 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

VN0524WBSD01

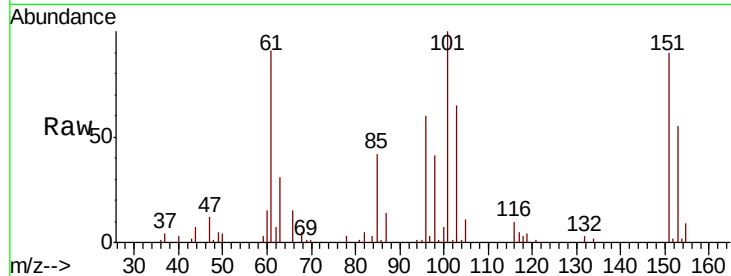
Tot Ion:101 Resp: 58661

Ion Ratio Lower Upper

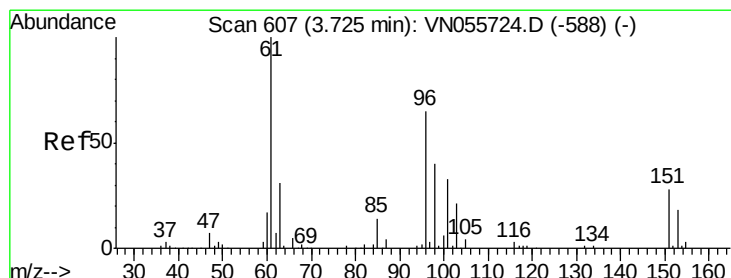
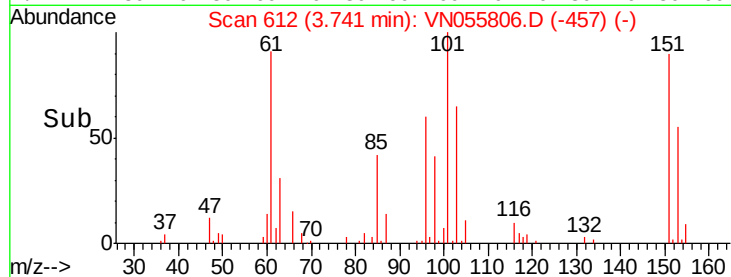
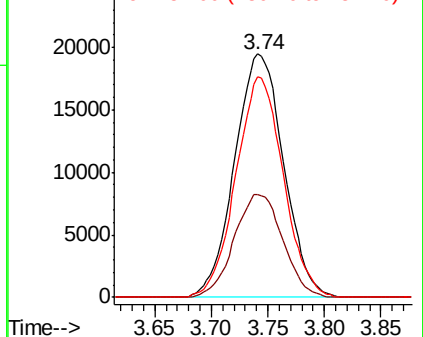
101 100

85 41.9 0.0 86.6

151 87.3 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: 19.527 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

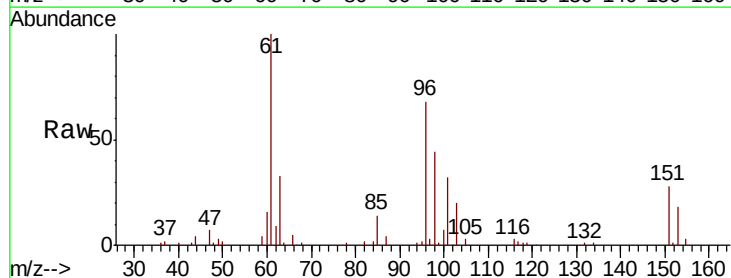
Tgt Ion: 96 Resp: 61241

Ion Ratio Lower Upper

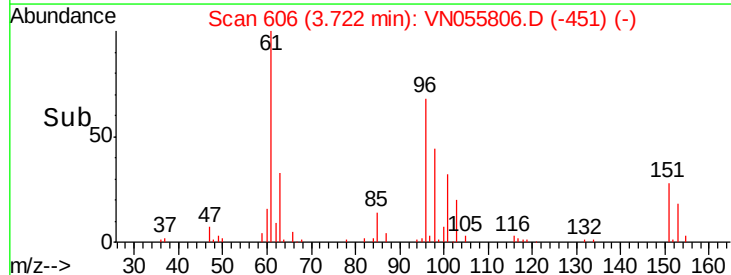
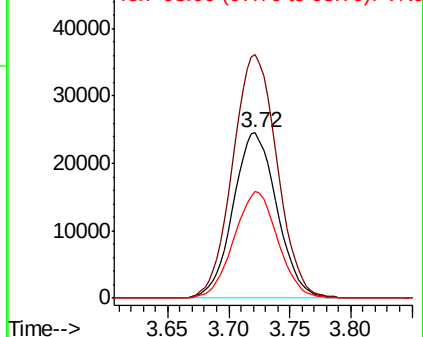
96 100

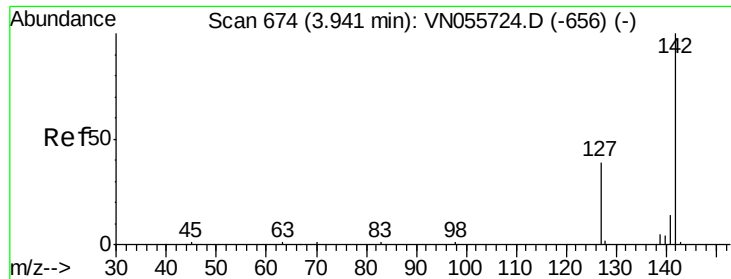
61 147.2 123.7 185.5

98 64.2 50.0 75.0



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

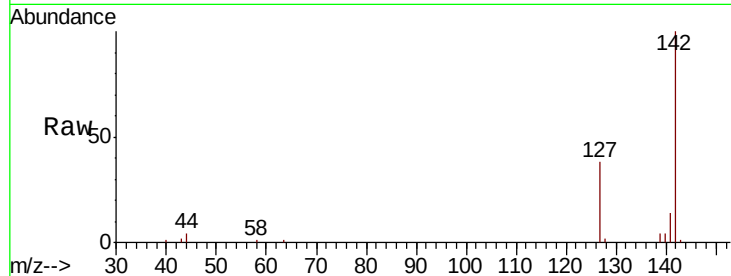




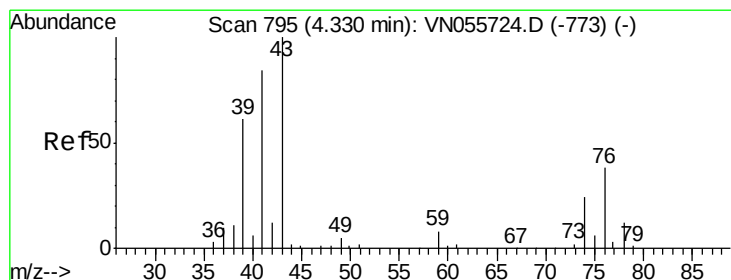
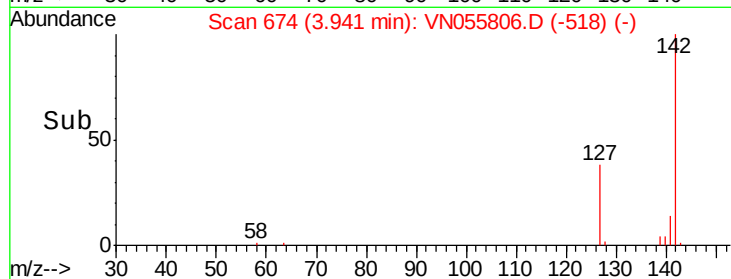
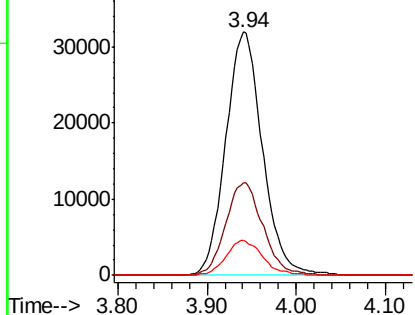
#11
Methvl Iodide
Concen: 20.398 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion:142 Resp: 91258
Ion Ratio Lower Upper
142 100
127 38.0 19.6 58.7
141 14.4 6.9 20.6

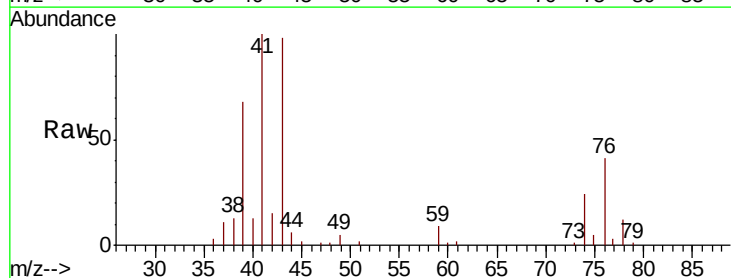


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

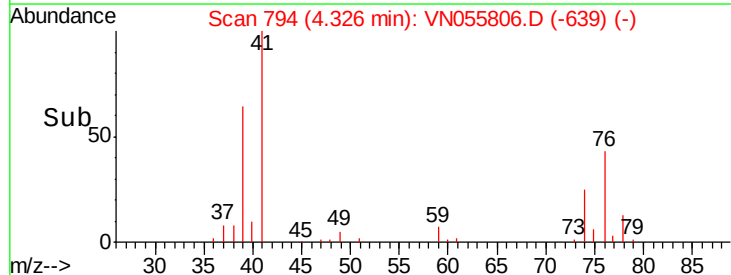
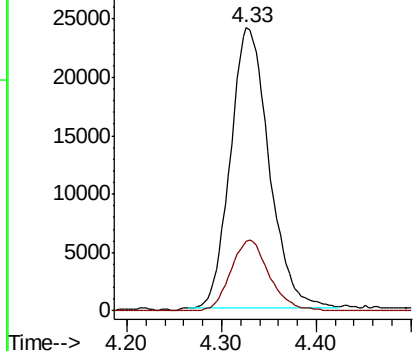


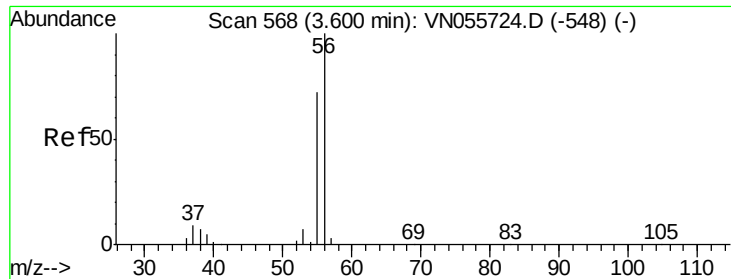
#12
Methyl Acetate
Concen: 17.862 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 43 Resp: 68511
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8



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

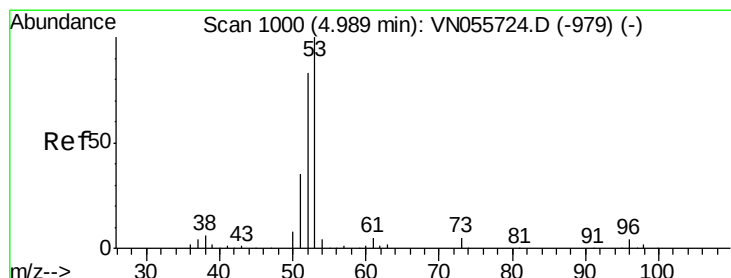
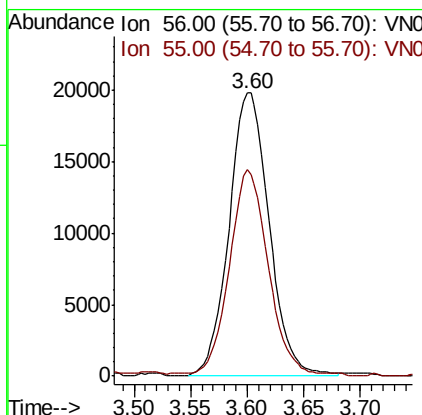
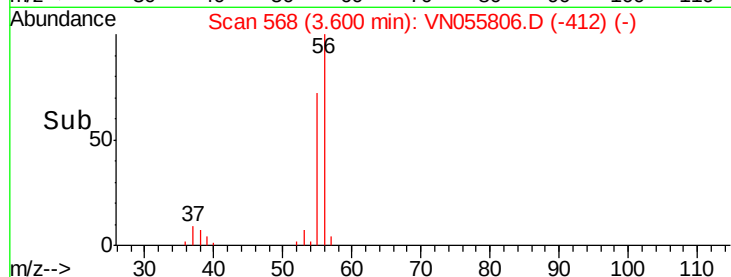
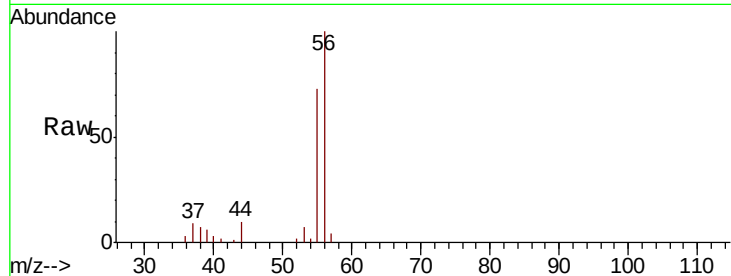




#13
Acrolein
Concen: 91.874 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

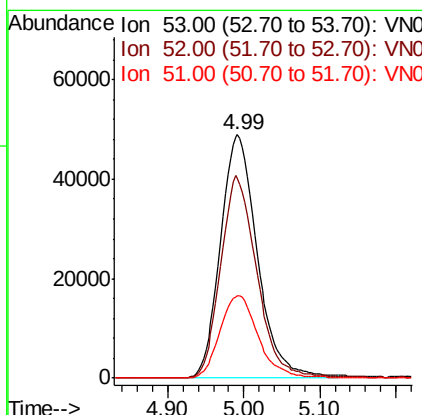
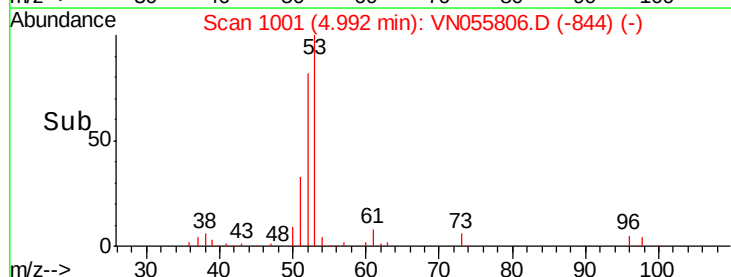
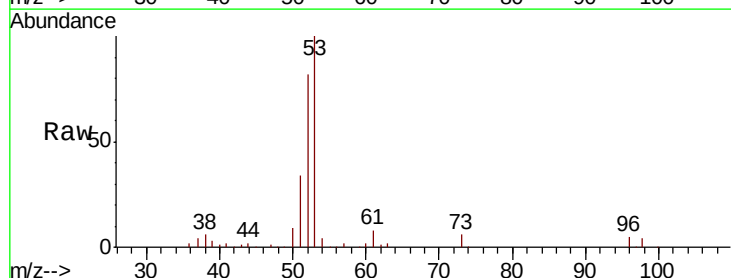
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

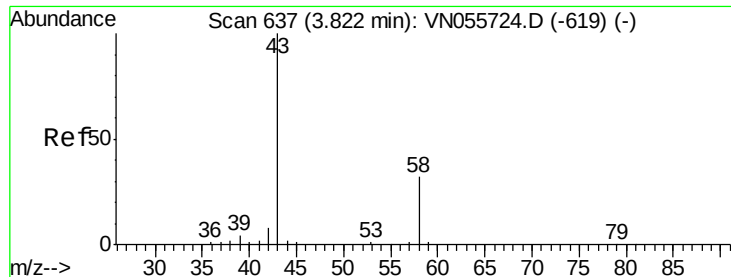
Tot Ion: 56 Resp: 48964
Ion Ratio Lower Upper
56 100
55 68.3 57.0 85.6



#14
Acrylonitrile
Concen: 94.374 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 53 Resp: 165031
Ion Ratio Lower Upper
53 100
52 81.4 41.1 123.4
51 35.2 17.5 52.6





#15

Acetone

Concen: 80.896 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

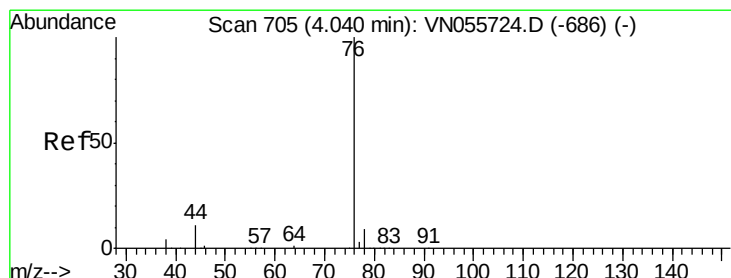
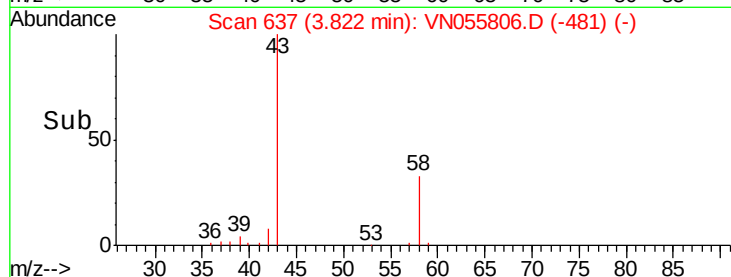
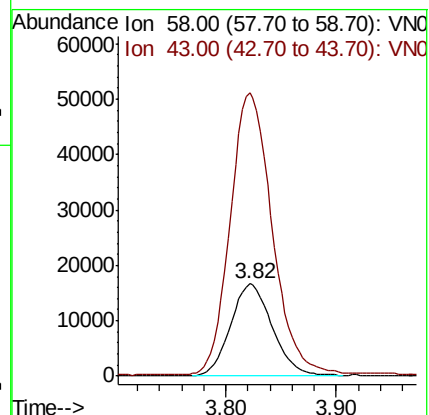
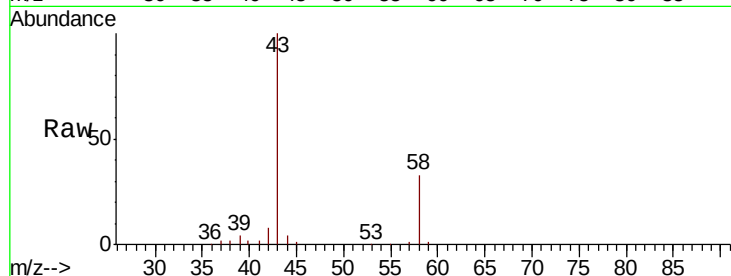
VN0524WBSD01

Tot Ion: 58 Resp: 43934

Ion Ratio Lower Upper

58 100

43 304.5 248.8 373.2



#16

Carbon Disulfide

Concen: 18.041 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055806.D

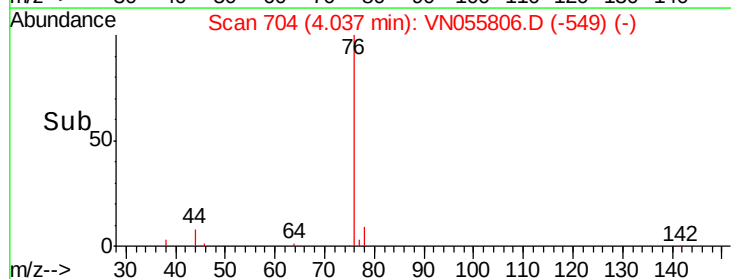
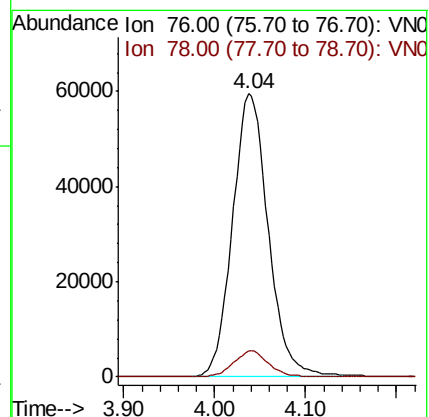
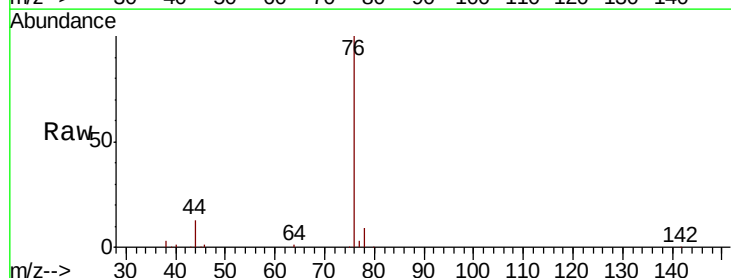
Acq: 24 May 2019 19:28

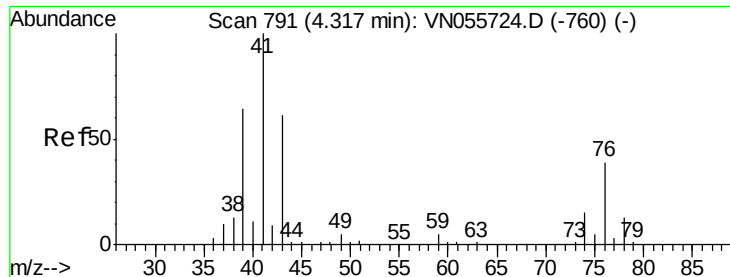
Tgt Ion: 76 Resp: 162221

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#17

Allvl chloride

Concen: 17.519 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

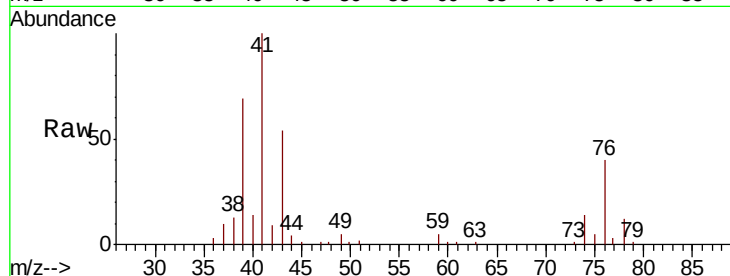
Tot Ion: 41 Resp: 98955

Ion Ratio Lower Upper

41 100

39 68.8 31.8 95.3

76 39.6 19.3 57.9

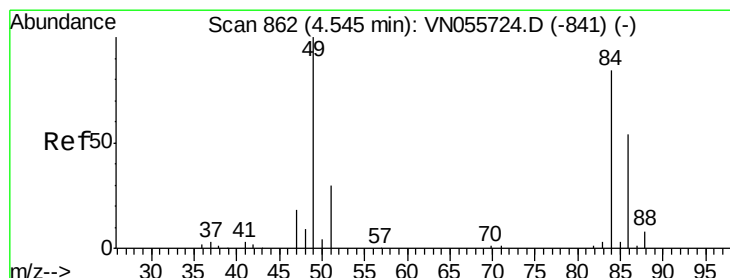
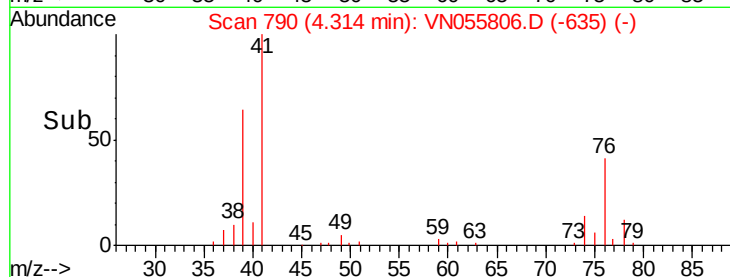
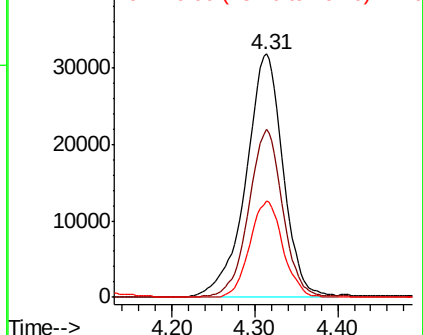


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.472 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion: 84 Resp: 69940

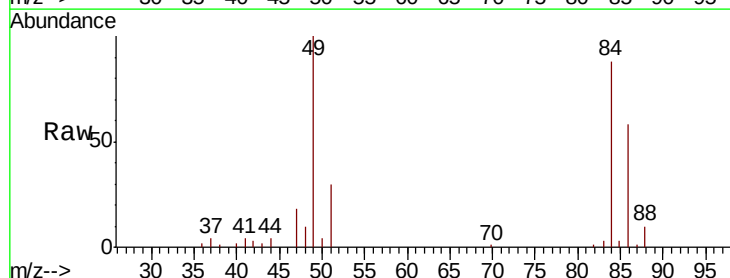
Ion Ratio Lower Upper

84 100

49 114.2 94.7 142.1

51 34.1 28.6 43.0

86 66.8 51.0 76.6



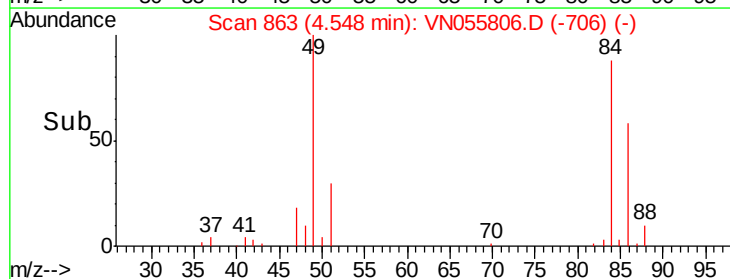
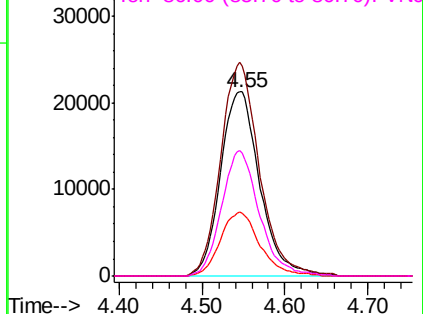
Abundance

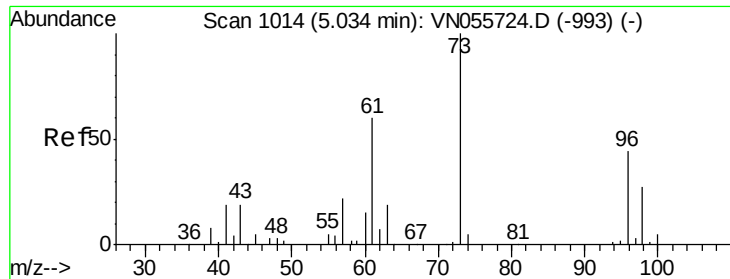
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

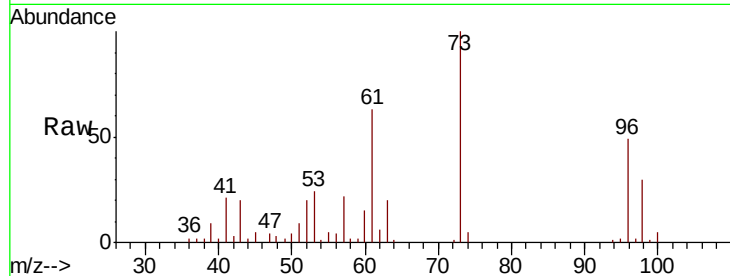




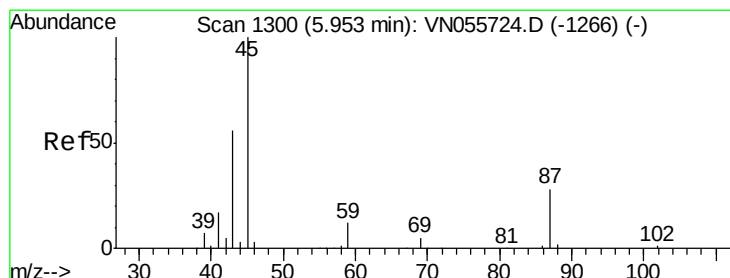
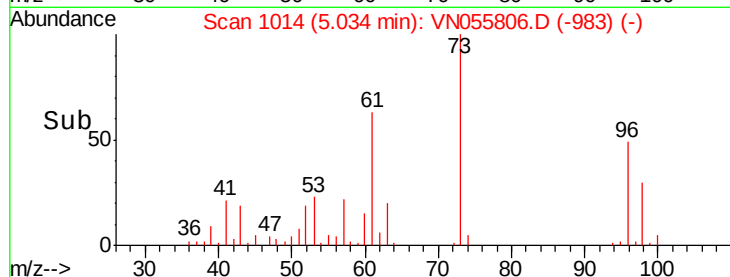
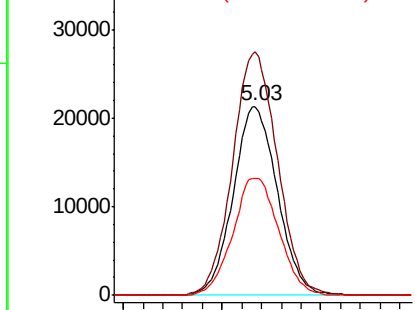
#19
trans-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

Tot Ion: 96 Resp: 66146
Ion Ratio Lower Upper
96 100
61 128.0 108.5 162.7
98 62.1 49.4 74.2

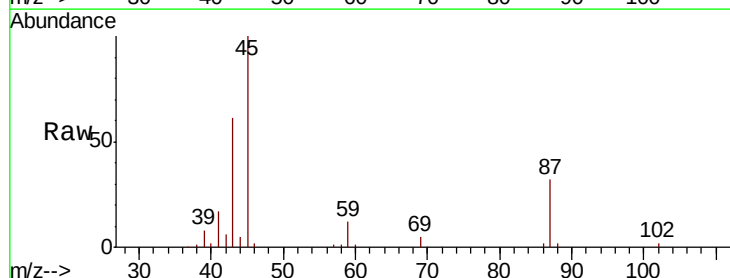


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

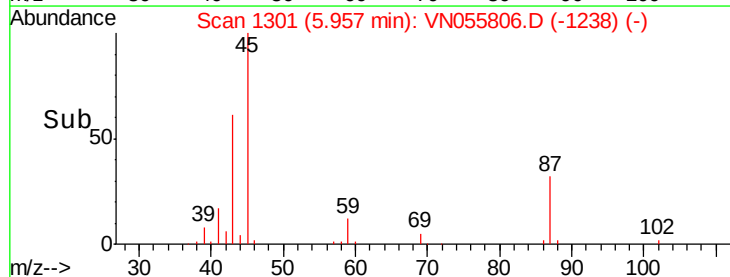
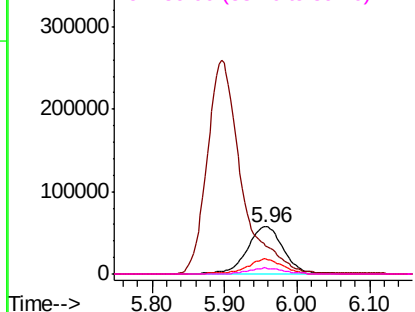


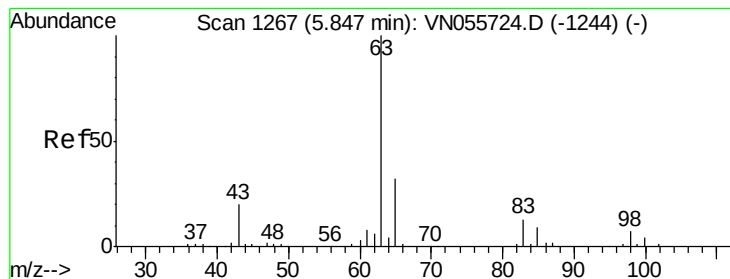
#20
Diisopropyl ether
Concen: 18.311 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 45 Resp: 200637
Ion Ratio Lower Upper
45 100
43 58.5 48.6 73.0
87 31.1 22.6 34.0
59 12.1 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: 19.112 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

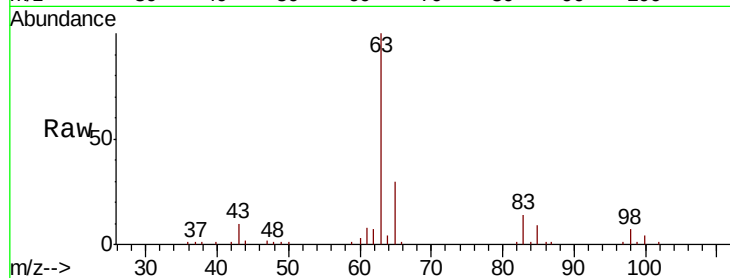
Tot Ion: 63 Resp: 118357

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

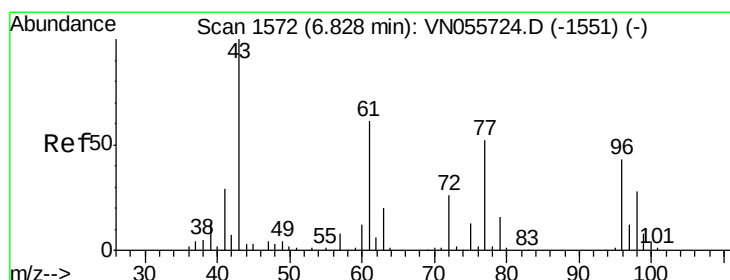
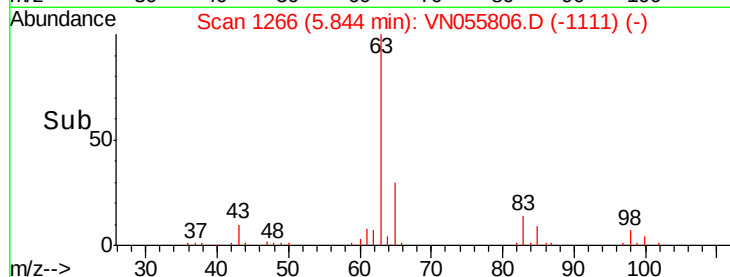
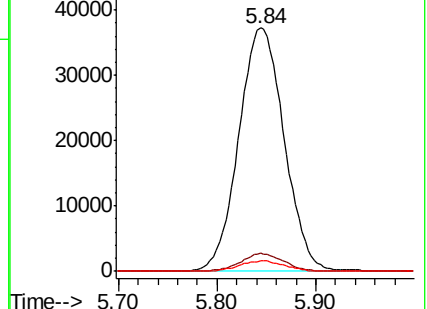
100 4.3 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.627 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

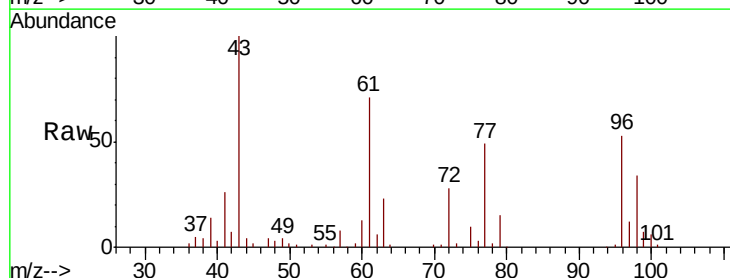
Tgt Ion: 96 Resp: 77227

Ion Ratio Lower Upper

96 100

61 135.2 115.7 173.5

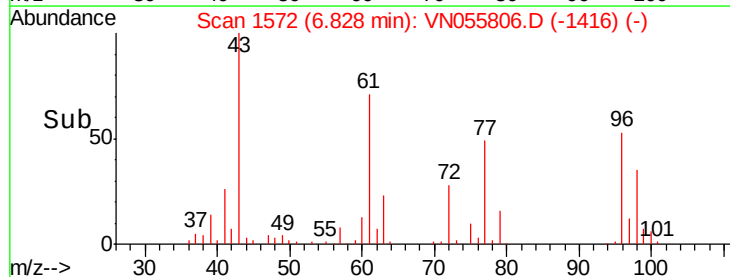
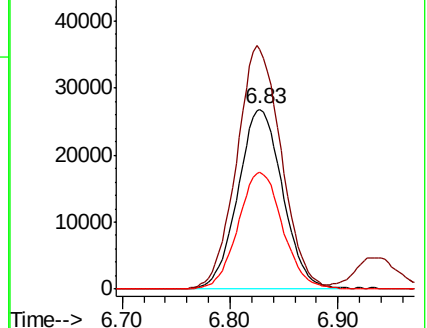
98 64.8 51.5 77.3

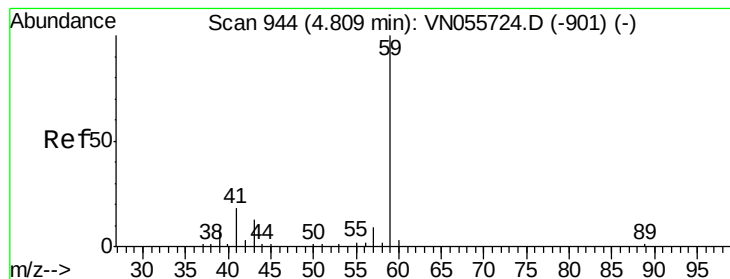


Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)





#23

tert-Butyl Alcohol

Concen: 91.194 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

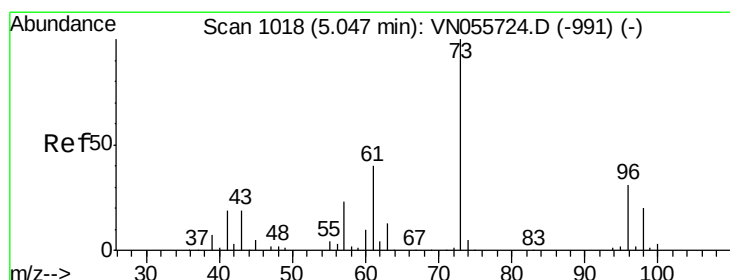
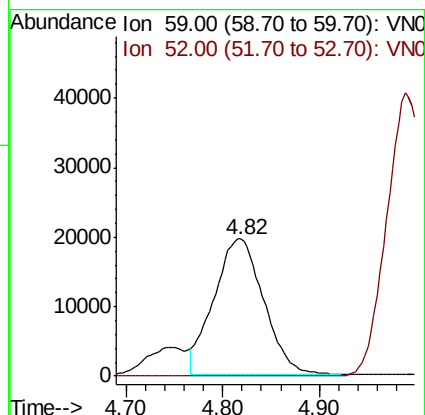
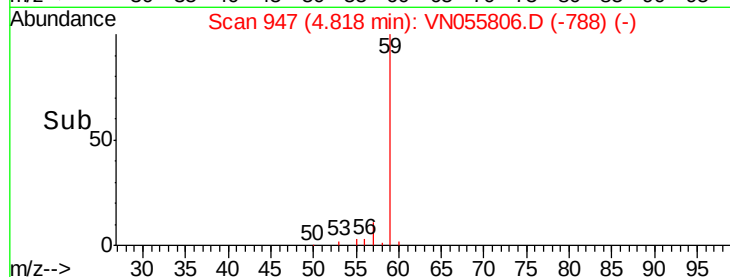
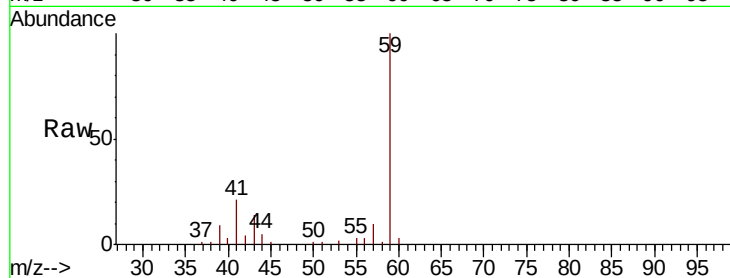
VN0524WBSD01

Tot Ion: 59 Resp: 70036

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.081 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055806.D

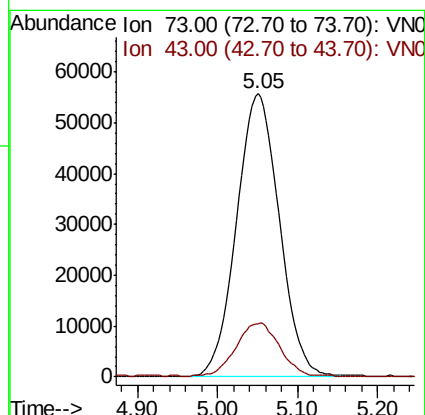
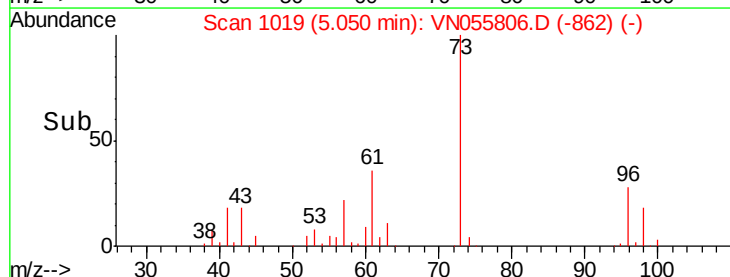
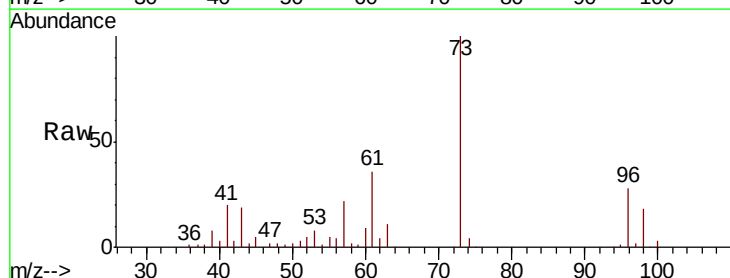
Acq: 24 May 2019 19:28

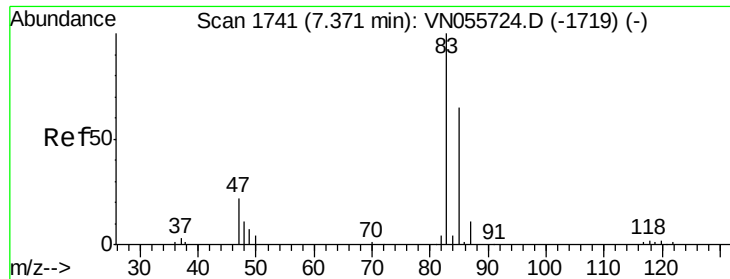
Tgt Ion: 73 Resp: 203044

Ion Ratio Lower Upper

73 100

43 18.9 15.7 23.5

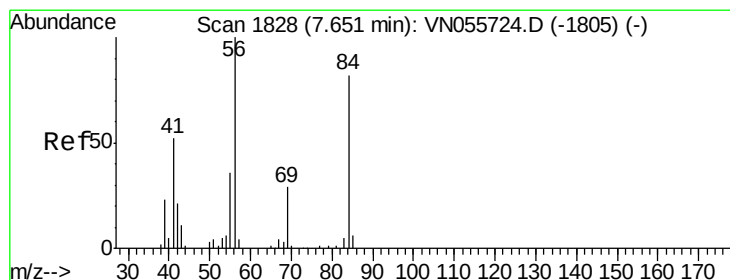
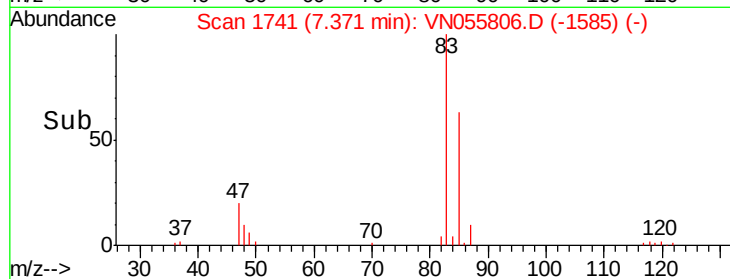
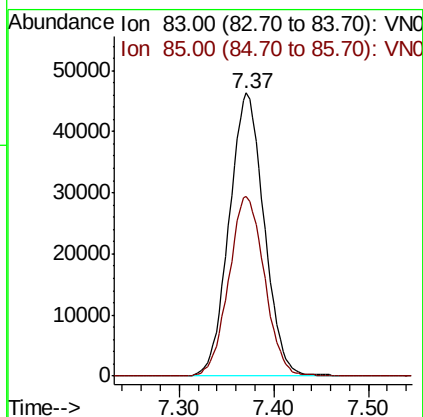
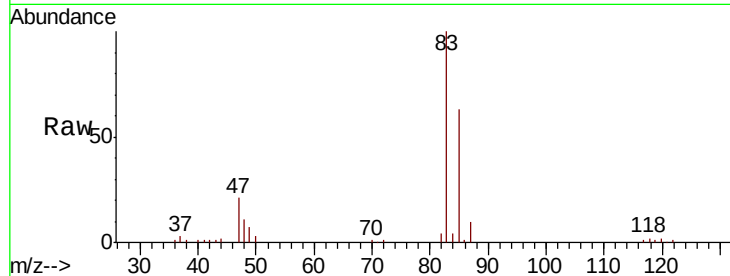




#25
Chloroform
Concen: 19.421 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

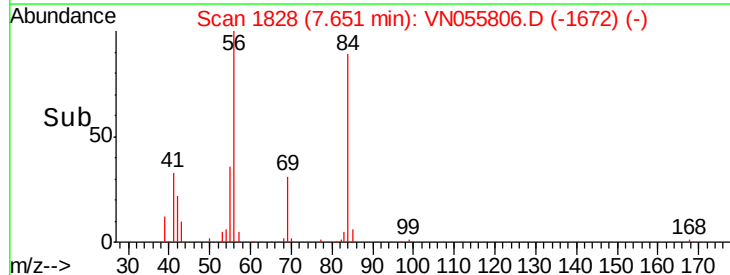
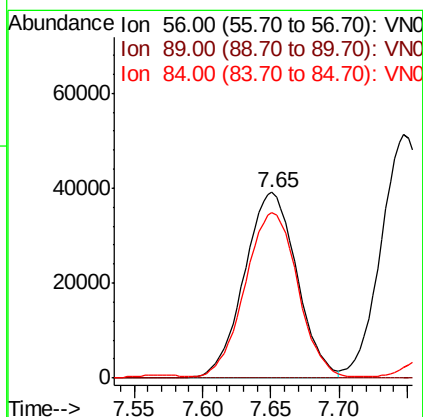
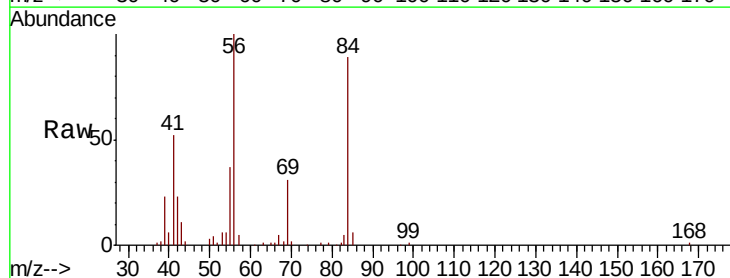
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

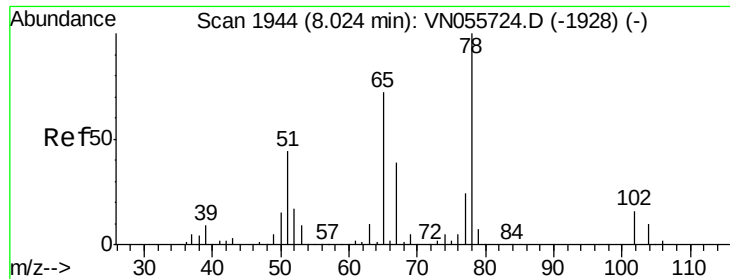
Tot Ion: 83 Resp: 118783
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5



#26
Cyclohexane
Concen: 18.348 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 56 Resp: 104824
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 67.2 100.8

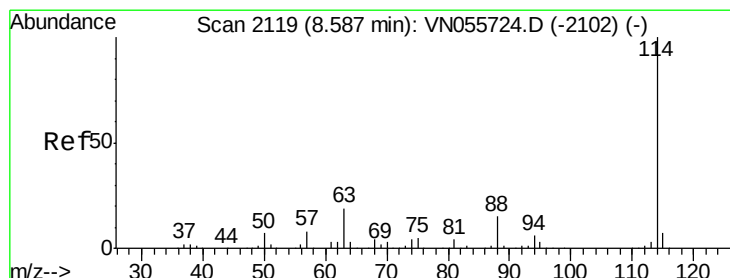
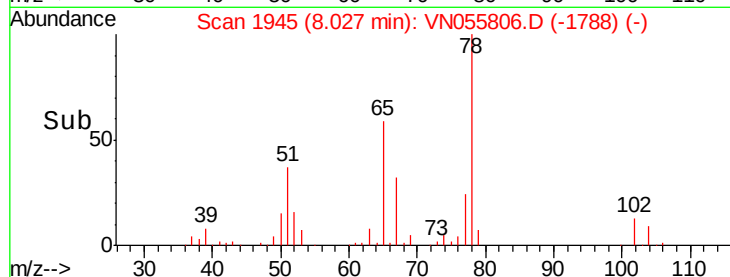
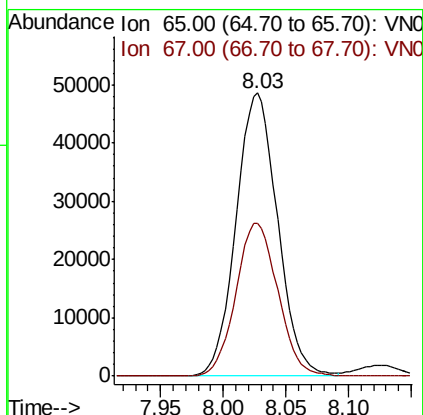
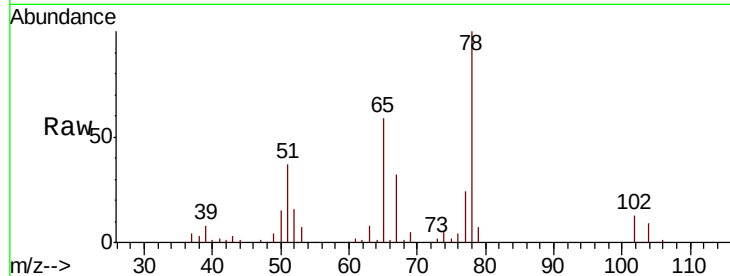




#27
 1,2-Dichloroethane-d4
 Concen: 28.848 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

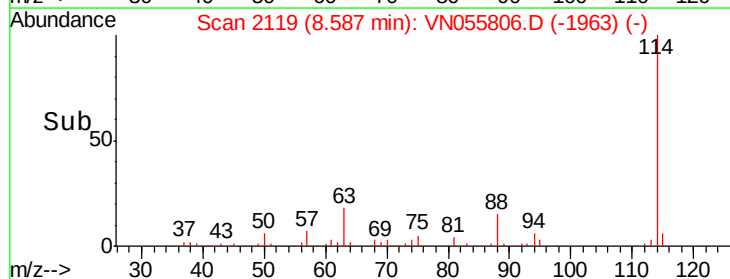
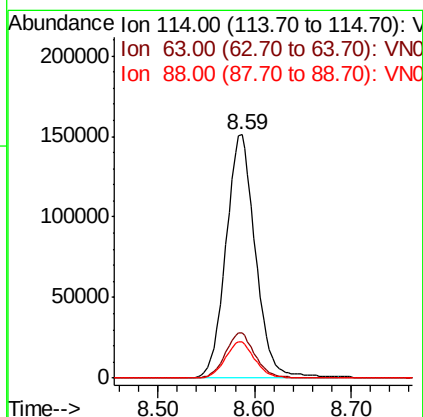
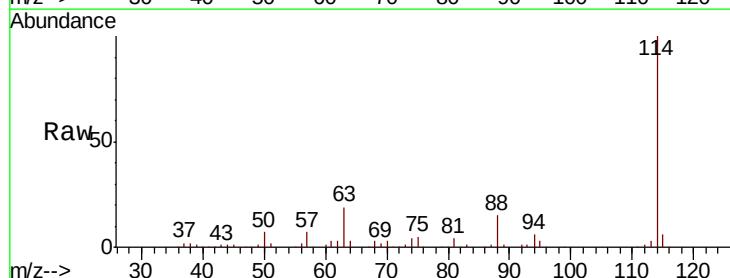
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

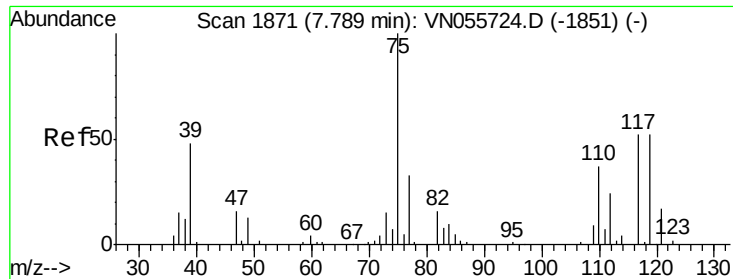
Tot Ion: 65 Resp: 112036
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 114 Resp: 320071
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.1 12.3 18.5

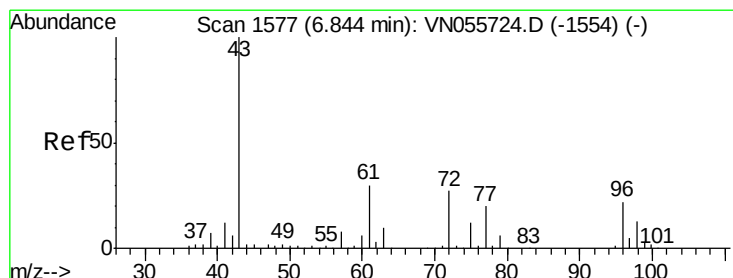
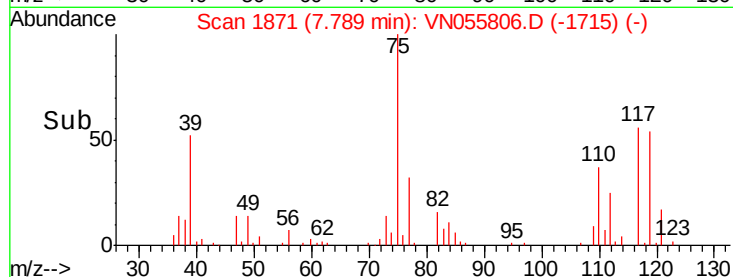
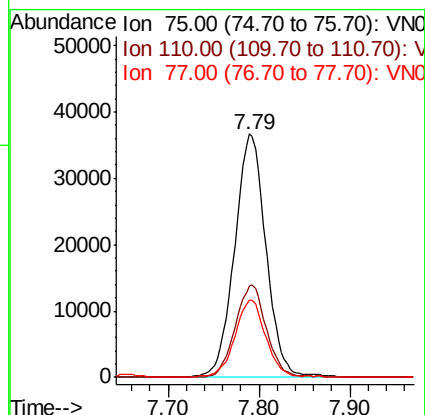
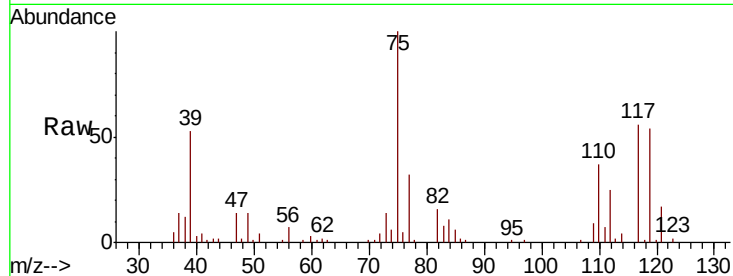




#29
 1,1-Dichloropropene
 Concen: 19.650 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

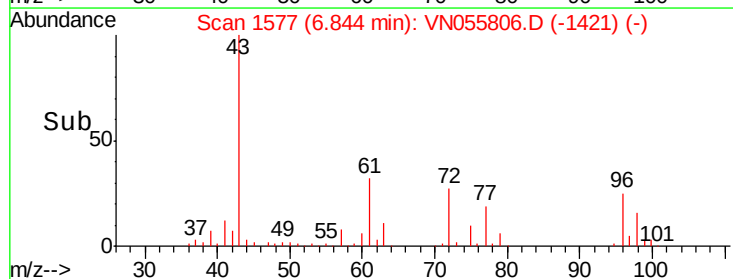
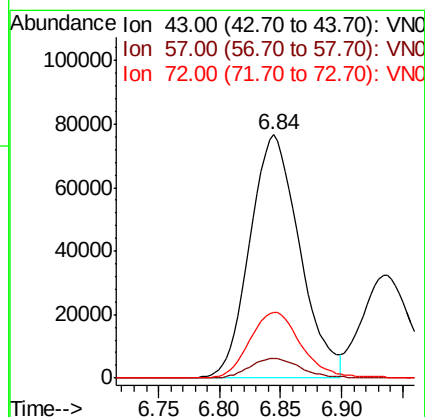
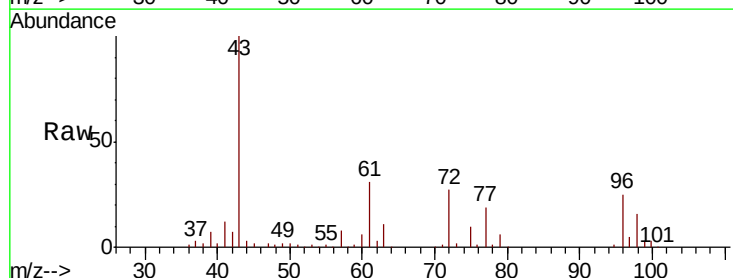
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD01

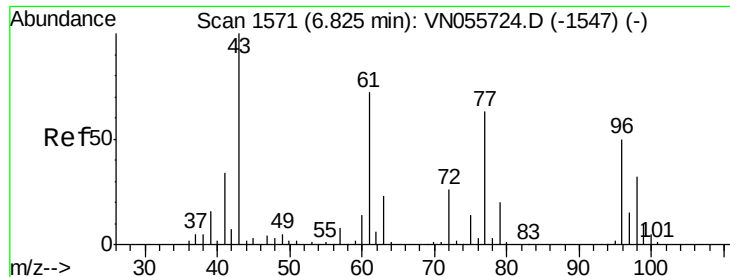
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	0.0	74.8
77	31.3	0.0	65.2



#30
 2-Butanone
 Concen: 90.322 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	10.0
72	28.2	21.7	32.5

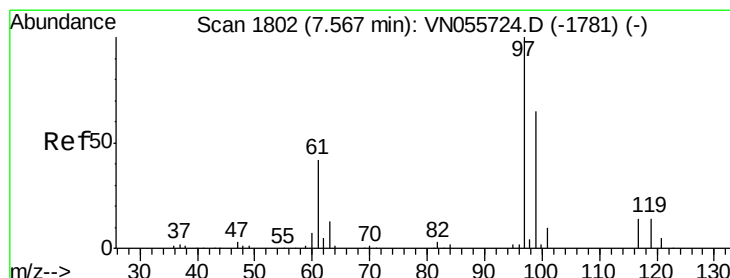
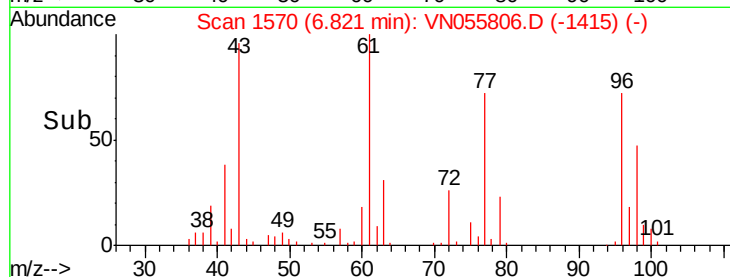
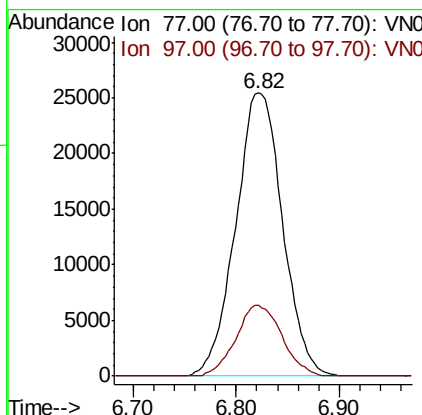
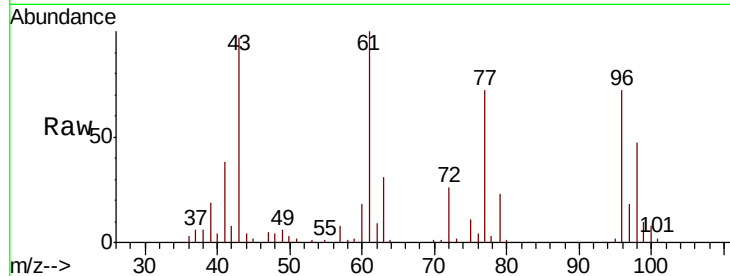




#31
 2,2-Dichloropropane
 Concen: 15.423 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

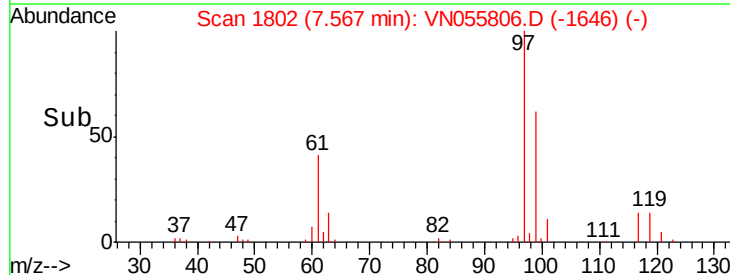
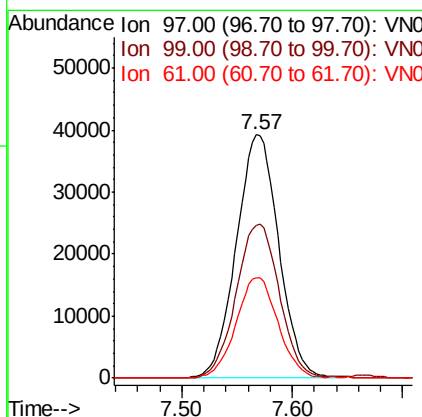
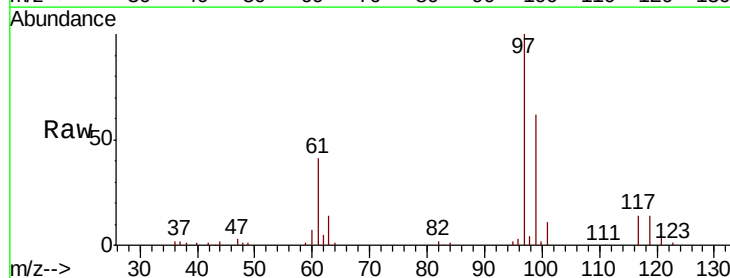
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

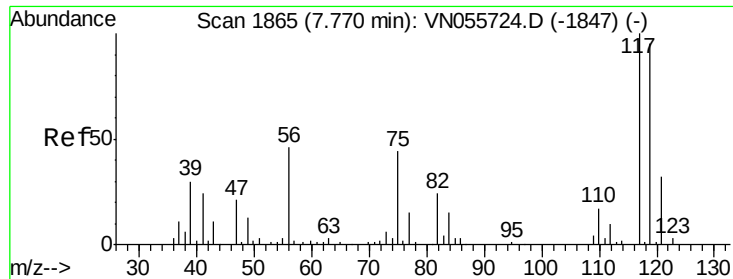
Tot Ion: 77 Resp: 80420
 Ion Ratio Lower Upper
 77 100
 97 24.5 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.735 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 97 Resp: 104812
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 40.9 33.1 49.7

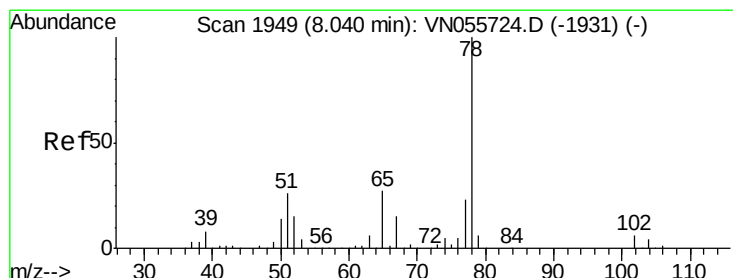
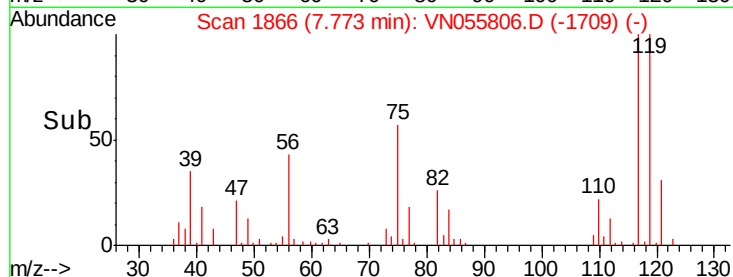
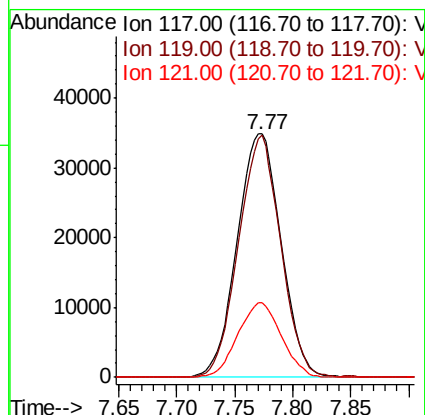
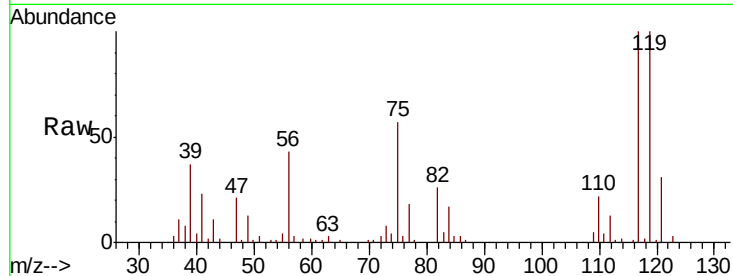




#33
Carbon Tetrachloride
Concen: 19.358 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

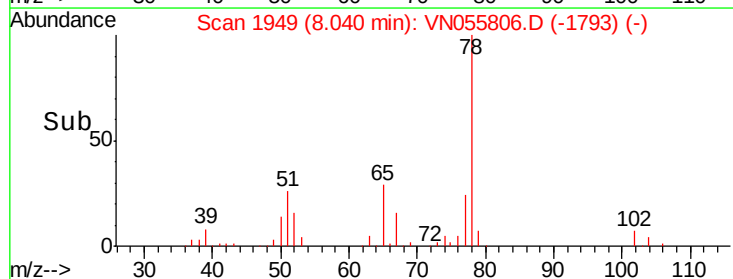
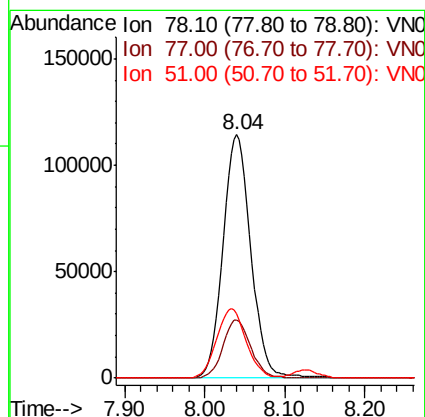
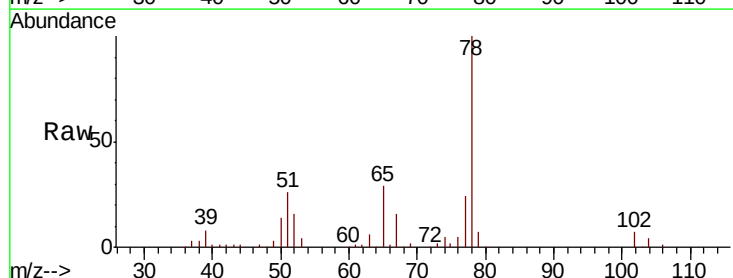
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

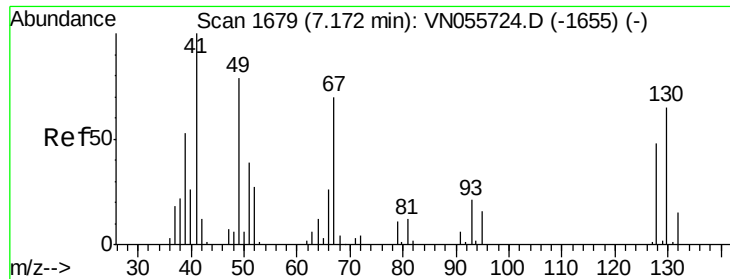
Tot Ion:117 Resp: 91965
Ion Ratio Lower Upper
117 100
119 99.5 75.8 113.8
121 30.5 25.4 38.0



#34
Benzene
Concen: 19.867 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 78 Resp: 274830
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2
51 26.3 20.6 31.0

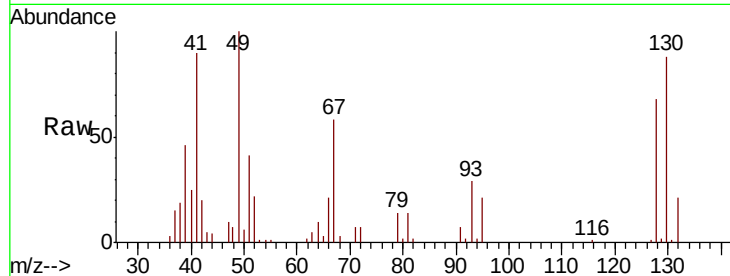




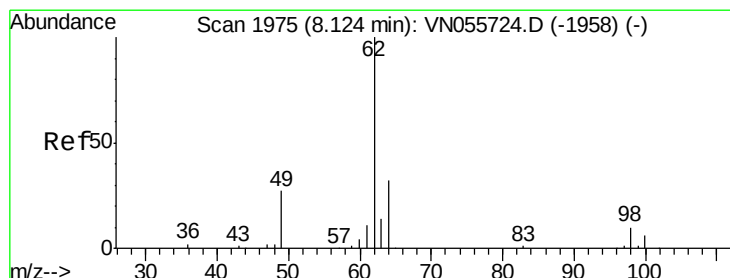
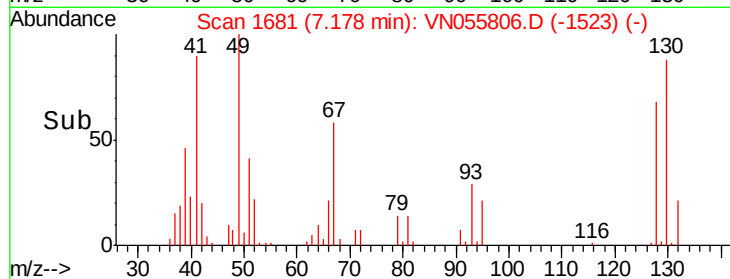
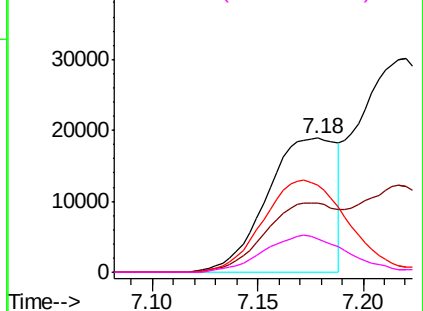
#35
Methacrylonitrile
Concen: 19.677 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion:	41	Resp:	43375
Ion	Ratio	Lower	Upper
41	100		
39	51.4	26.7	80.1
67	64.7	34.9	104.7
52	24.8	13.6	40.8

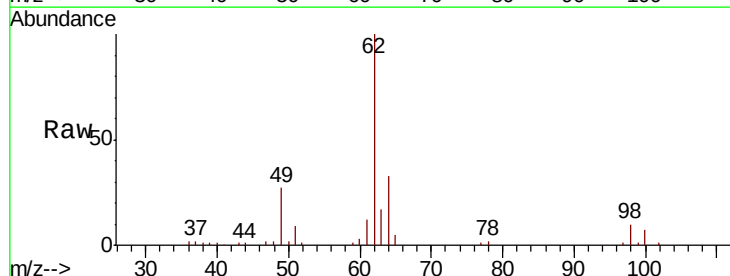


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

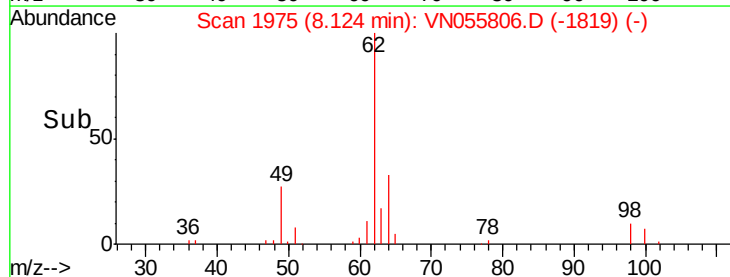
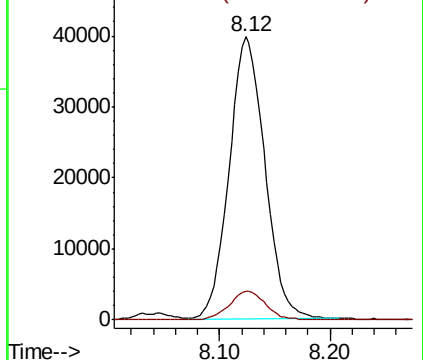


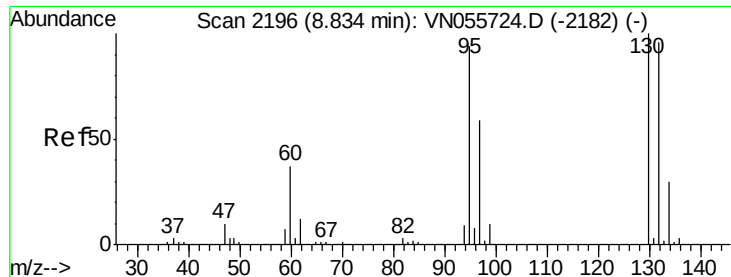
#36
1,2-Dichloroethane
Concen: 19.764 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion:	62	Resp:	89347
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.2	12.2



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





#37

Trichloroethene

Concen: 20.279 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

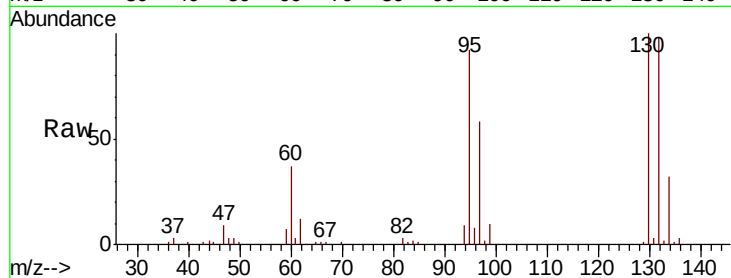
VN0524WBSD01

Tot Ion:130 Resp: 78272

Ion Ratio Lower Upper

130 100

95 92.1 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

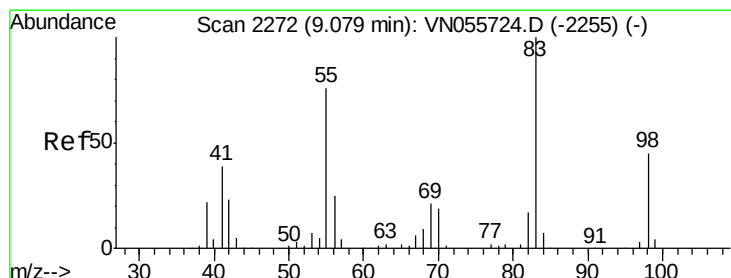
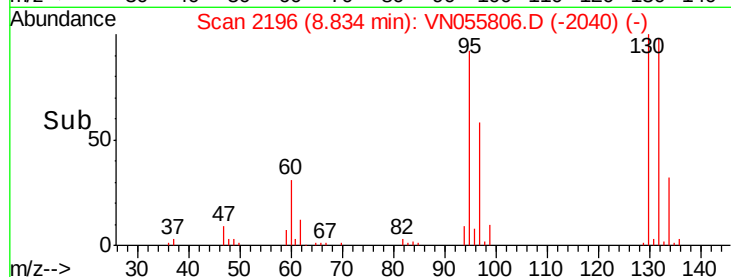
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.539 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

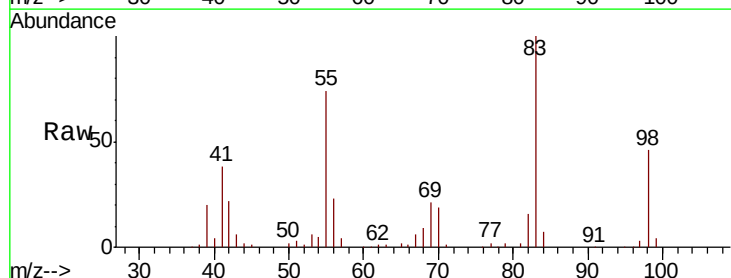
Tgt Ion: 83 Resp: 105245

Ion Ratio Lower Upper

83 100

55 73.5 37.8 113.4

98 47.0 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

30000

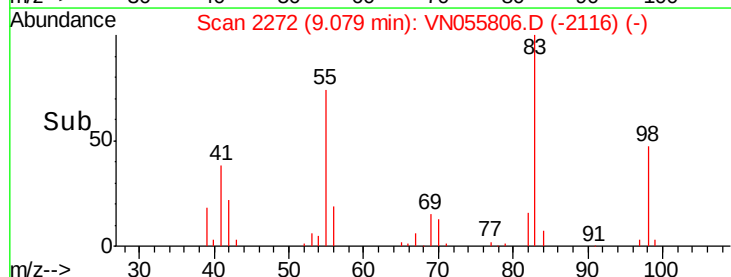
20000

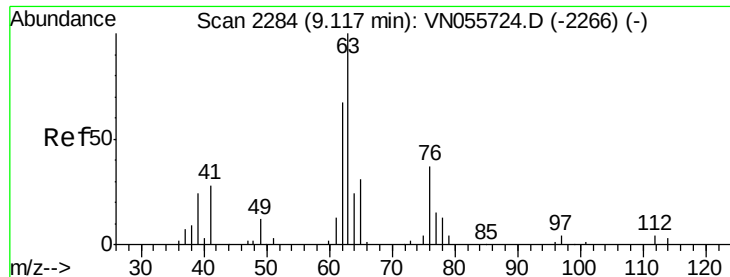
10000

0

9.00 9.05 9.10 9.15

Time-->

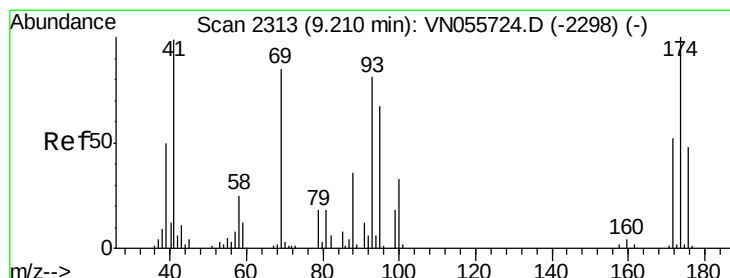
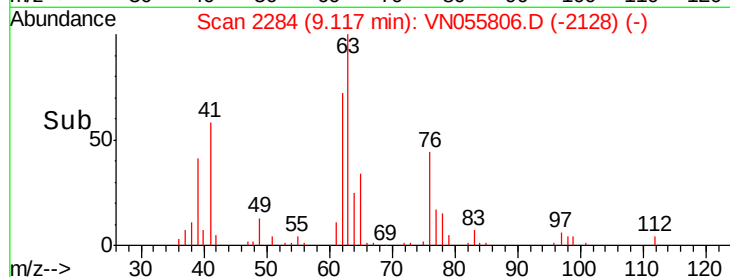
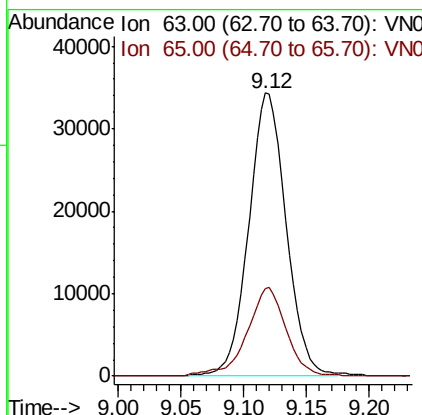
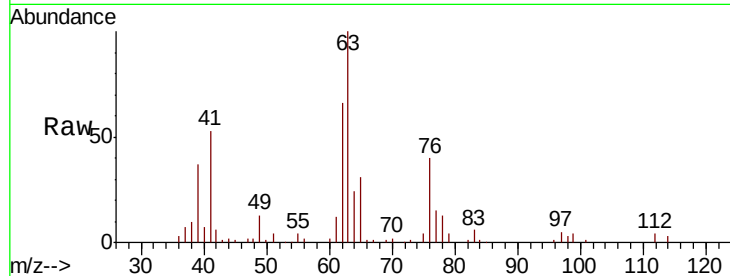




#39
 1,2-Dichloropropane
 Concen: 19.153 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

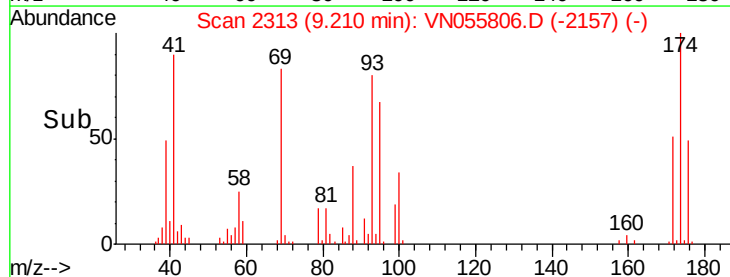
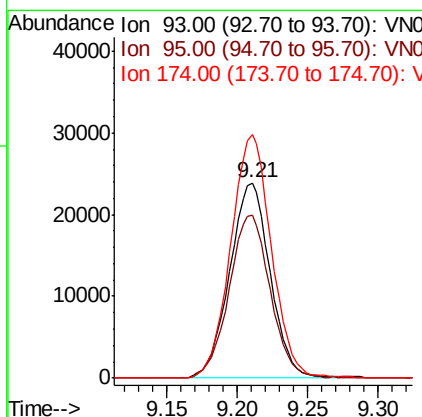
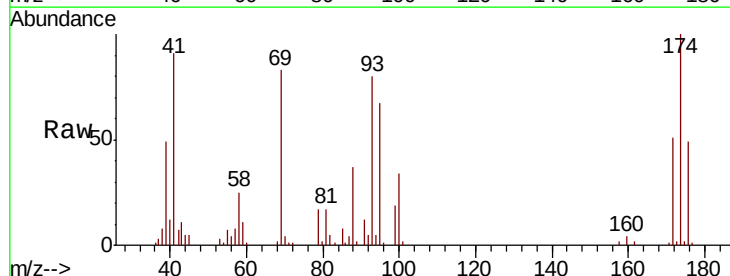
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

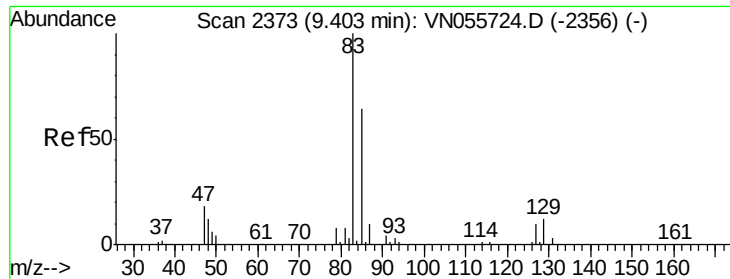
Tot Ion: 63 Resp: 71227
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.8 38.8



#40
 Dibromomethane
 Concen: 19.983 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 93 Resp: 47987
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 170.6
 174 124.8 0.0 248.4





#41

Bromodichloromethane

Concen: 19.021 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

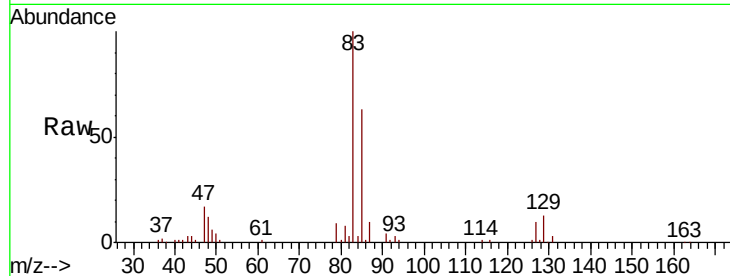
Tot Ion: 83 Resp: 93613

Ion Ratio Lower Upper

83 100

85 63.5 51.4 77.0

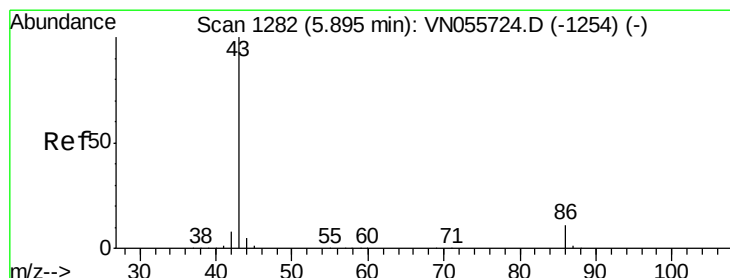
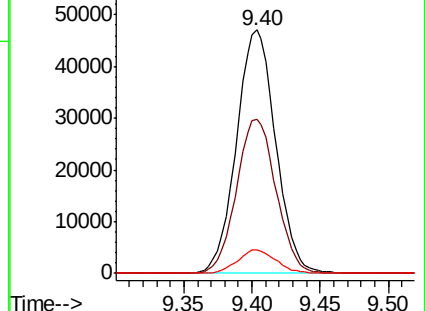
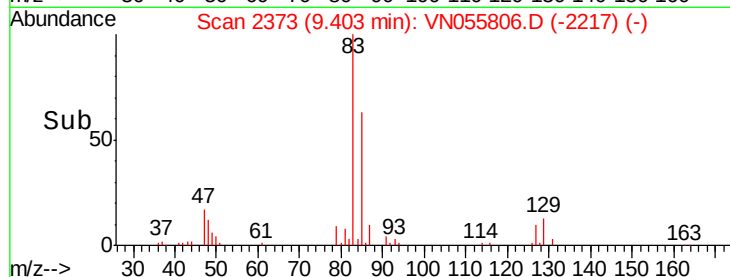
127 10.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055806.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN055806.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN055806.D (-2217) (-)



#42

Vinyl Acetate

Concen: 92.006 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055806.D

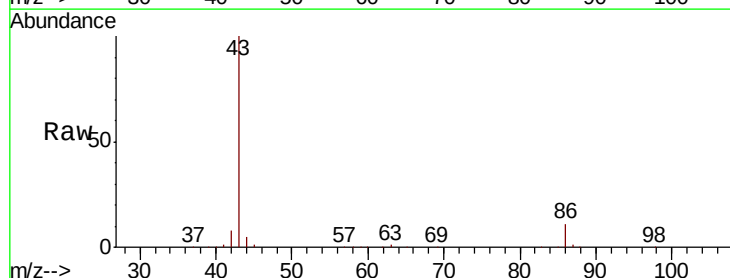
Acq: 24 May 2019 19:28

Tgt Ion: 43 Resp: 853125

Ion Ratio Lower Upper

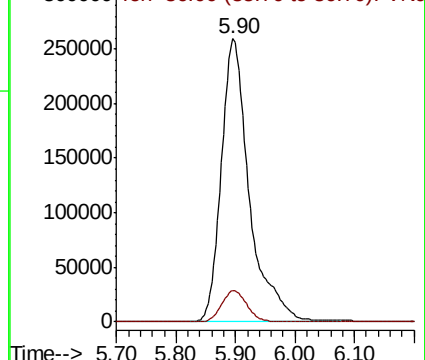
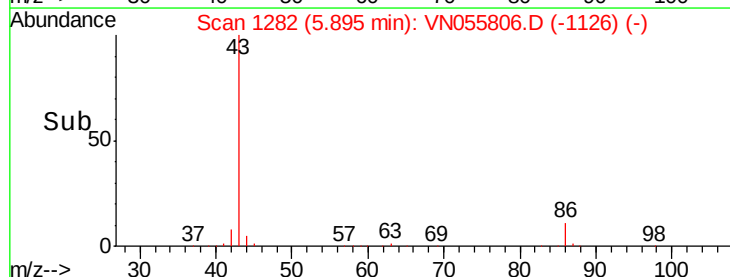
43 100

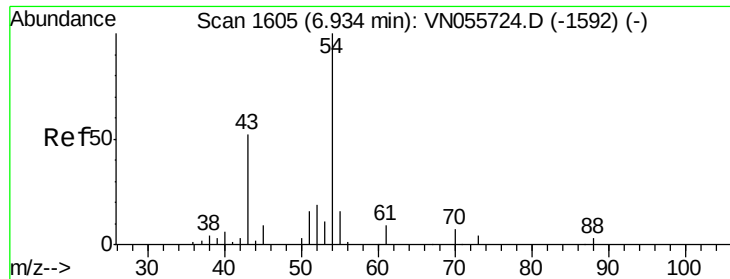
86 10.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055806.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN055806.D (-1126) (-)





#43

Ethyl Acetate

Concen: 18.674 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

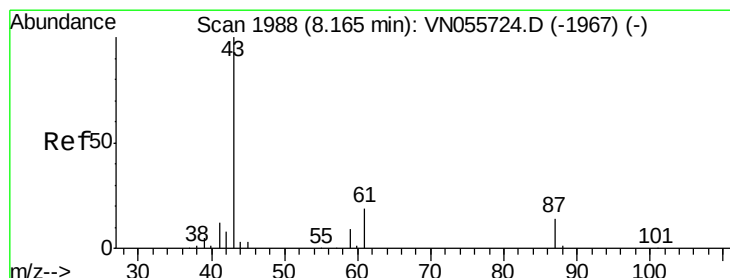
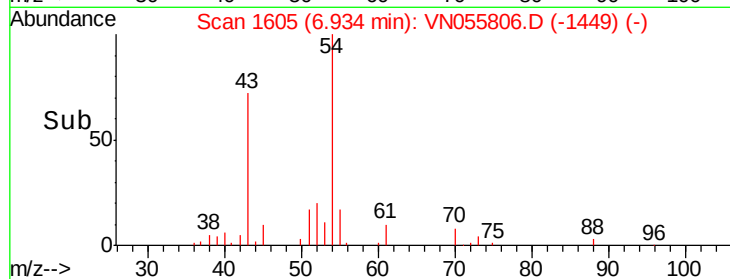
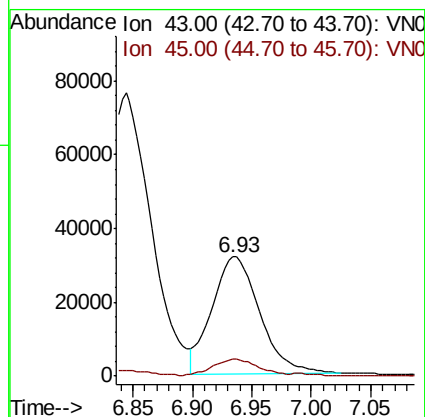
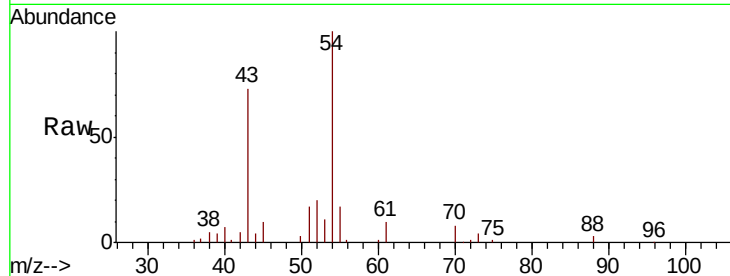
VN0524WBSD01

Tot Ion: 43 Resp: 87664

Ion Ratio Lower Upper

43 100

45 12.7 0.0 0.0#



#44

Isopropyl Acetate

Concen: 18.294 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055806.D

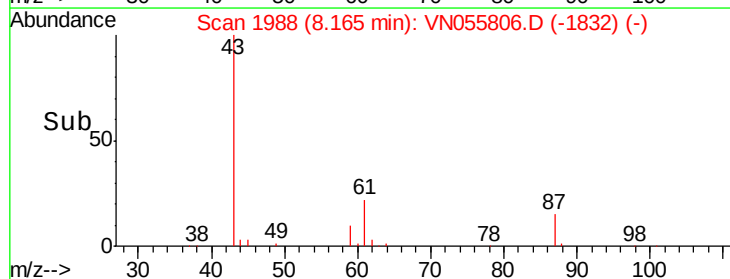
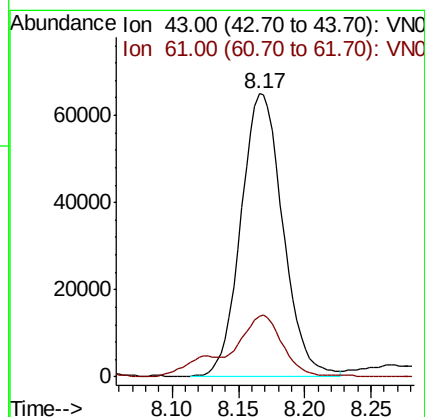
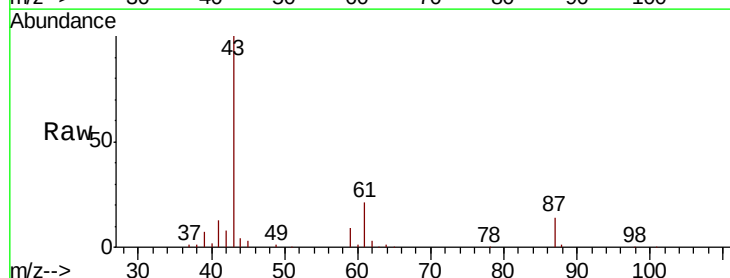
Acq: 24 May 2019 19:28

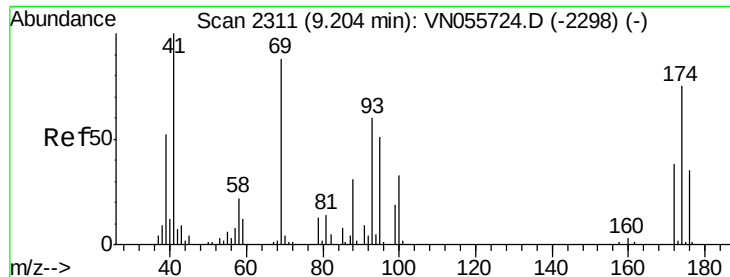
Tgt Ion: 43 Resp: 142206

Ion Ratio Lower Upper

43 100

61 20.3 22.1 33.1#





#45

1,4-Dioxane

Concen: 390.435 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

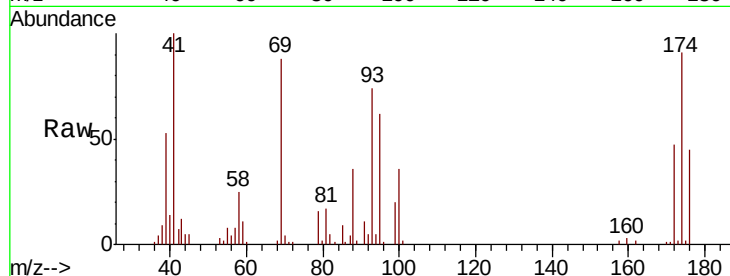
Tot Ion: 88 Resp: 28553

Ion Ratio Lower Upper

88 100

43 26.6 20.5 30.7

58 65.2 56.1 84.1

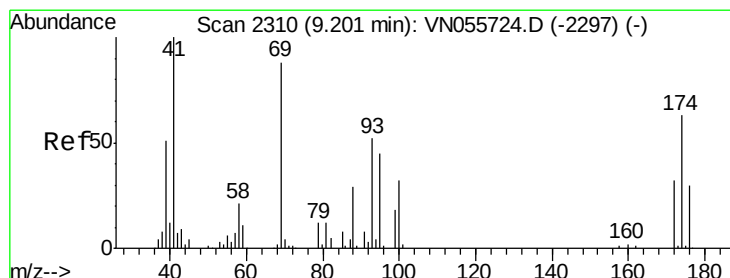
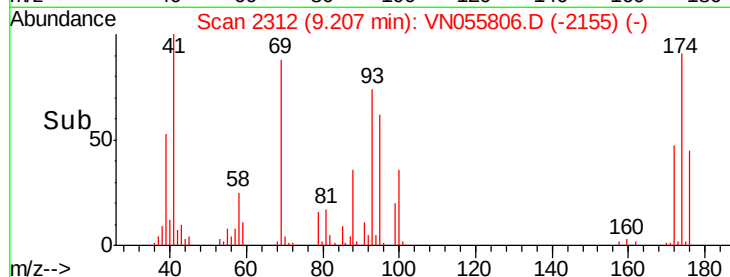
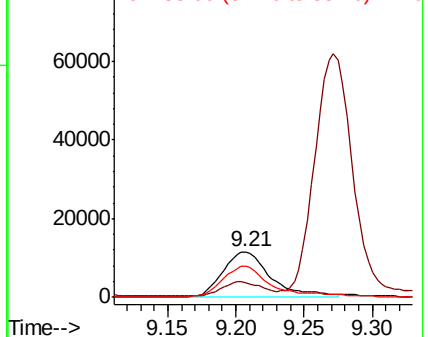


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.260 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

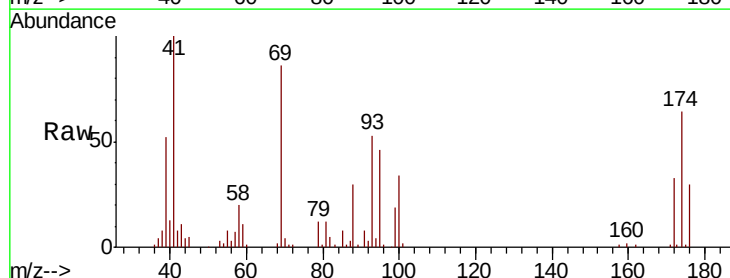
Tgt Ion: 41 Resp: 69854

Ion Ratio Lower Upper

41 100

69 86.6 43.8 131.4

39 51.7 25.6 76.6

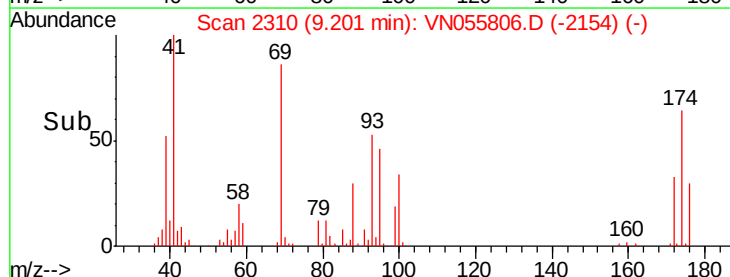
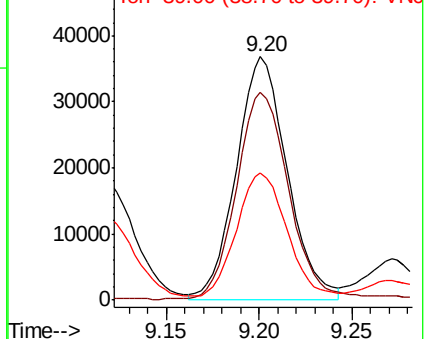


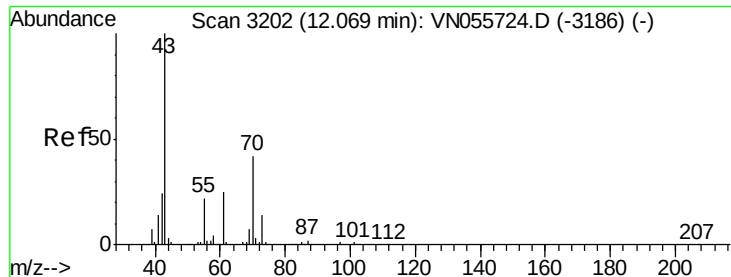
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.820 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

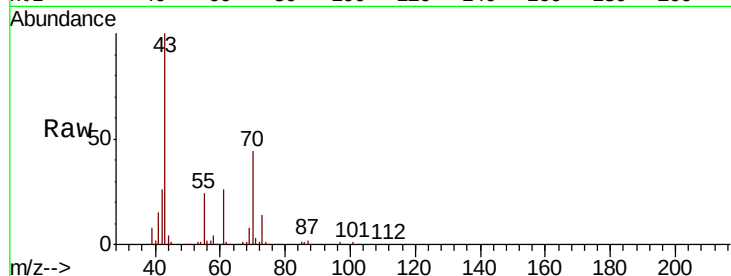
VN0524WBSD01

Tot Ion: 43 Resp: 114578

Ion Ratio Lower Upper

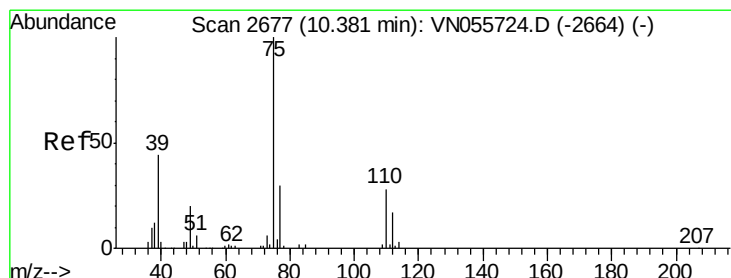
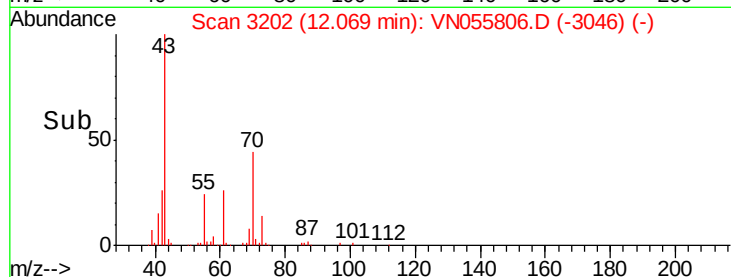
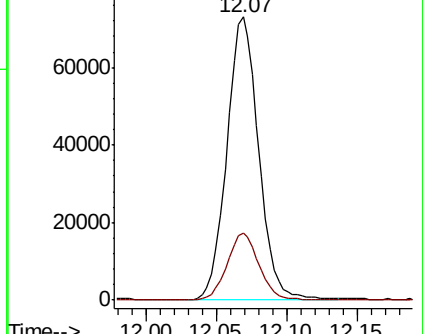
43 100

55 23.8 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: 17.480 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055806.D

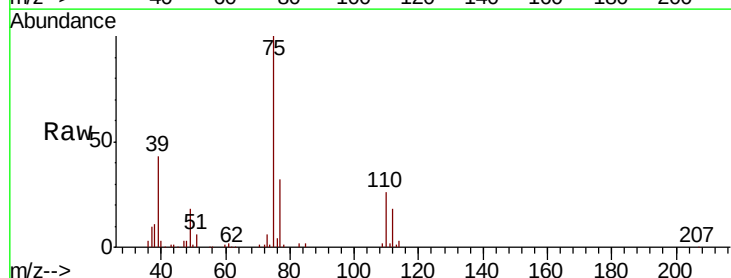
Acq: 24 May 2019 19:28

Tgt Ion: 75 Resp: 94966

Ion Ratio Lower Upper

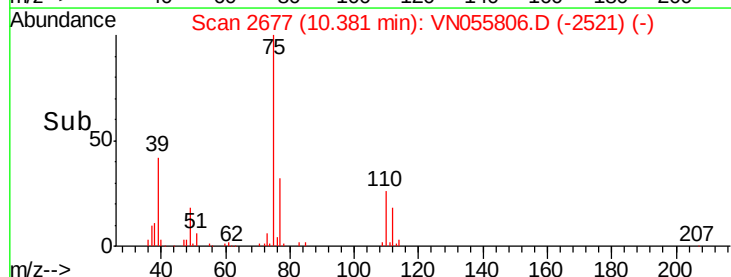
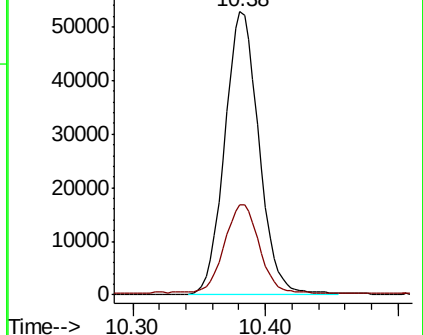
75 100

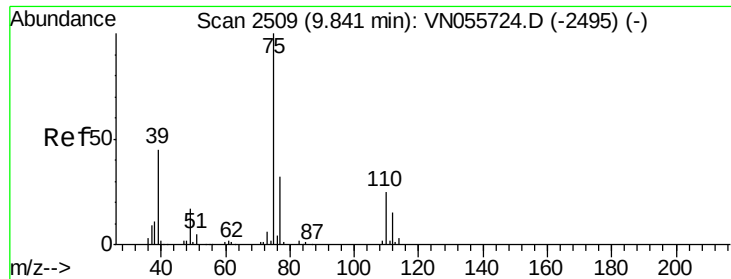
77 31.3 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

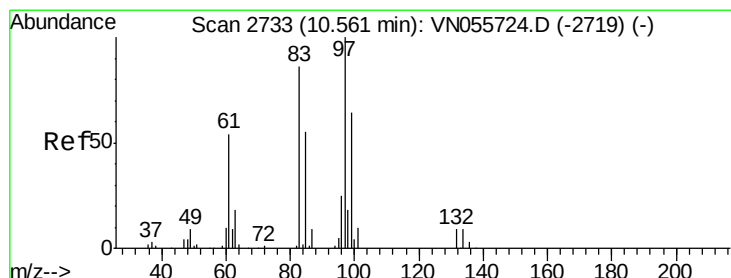
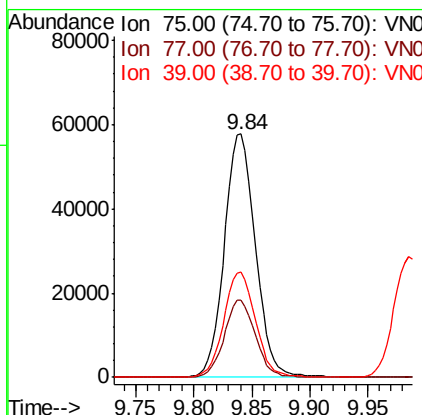
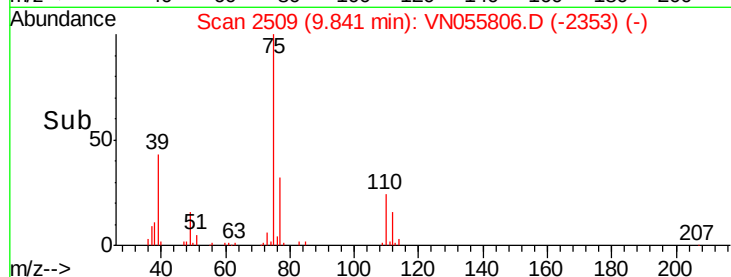
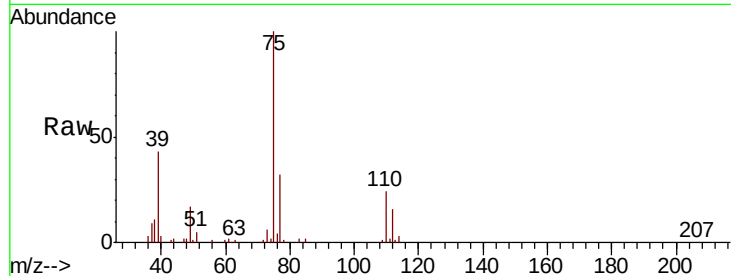




#49
 cis-1,3-Dichloropropene
 Concen: 18.108 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

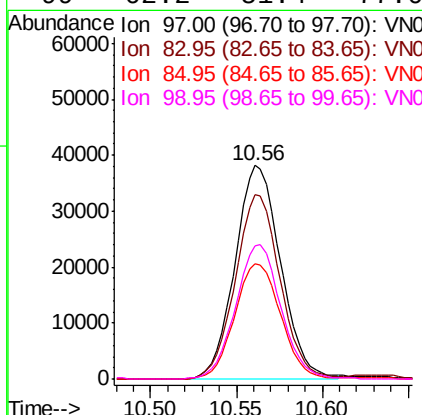
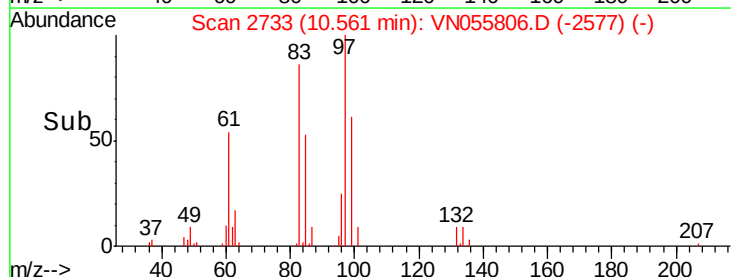
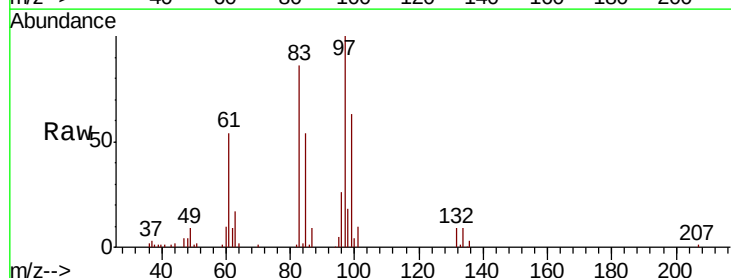
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

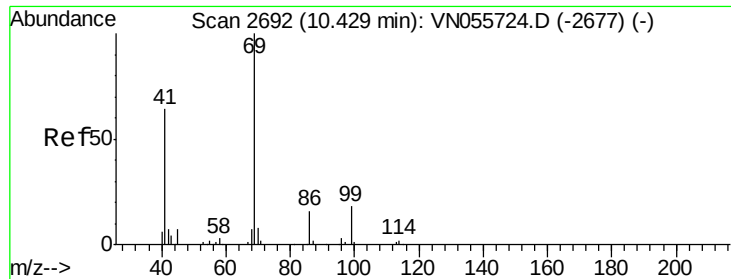
Tot Ion: 75 Resp: 107679
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.0 39.0
 39 43.0 36.2 54.4



#50
 1,1,2-Trichloroethane
 Concen: 20.062 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 97 Resp: 70136
 Ion Ratio Lower Upper
 97 100
 83 86.3 68.9 103.3
 85 54.1 44.3 66.5
 99 62.2 51.4 77.0





#51

Ethyl methacrylate

Concen: 18.919 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

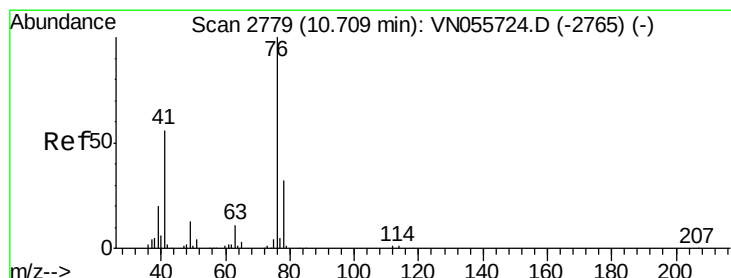
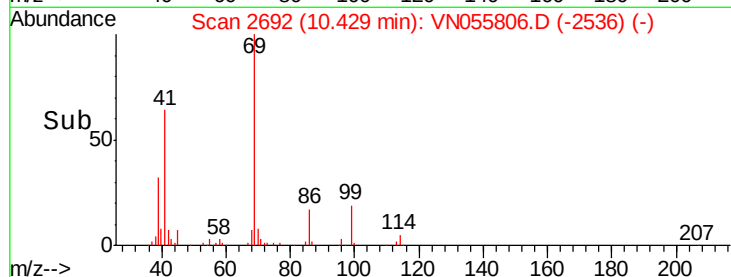
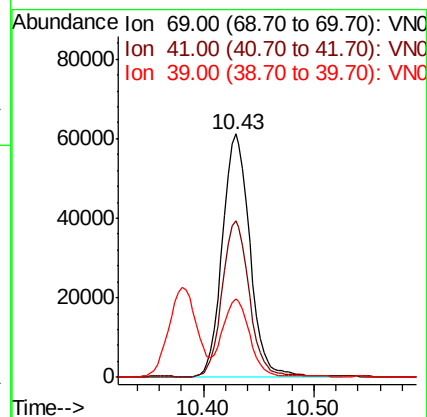
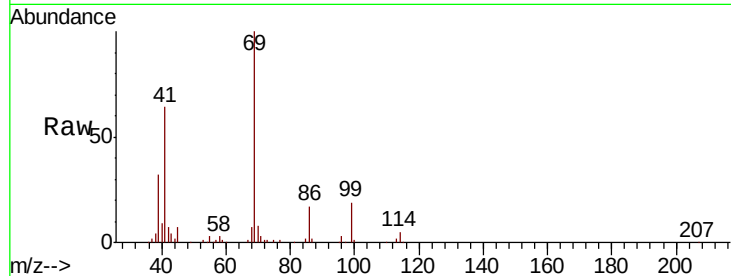
Tot Ion: 69 Resp: 106605

Ion Ratio Lower Upper

69 100

41 63.9 31.9 95.7

39 32.0 15.7 47.0



#52

1,3-Dichloropropane

Concen: 19.571 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN055806.D

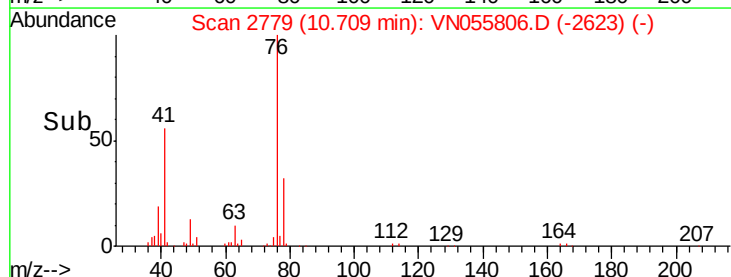
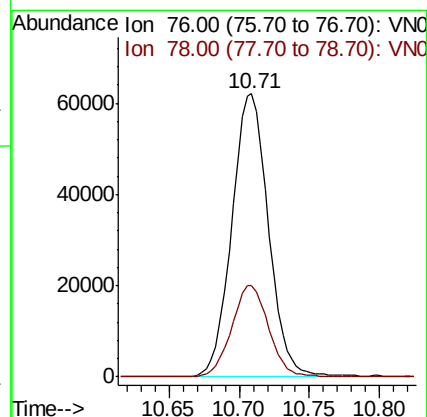
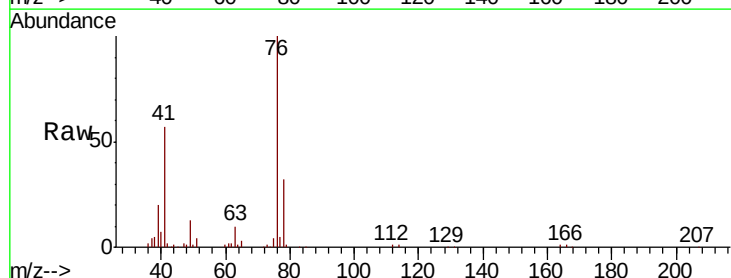
Acq: 24 May 2019 19:28

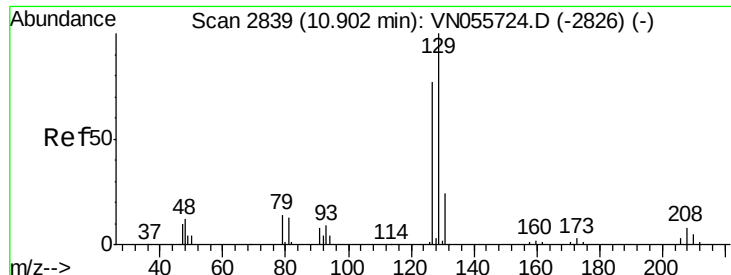
Tgt Ion: 76 Resp: 112777

Ion Ratio Lower Upper

76 100

78 32.5 0.0 65.0





#53

Dibromochloromethane

Concen: 18.975 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

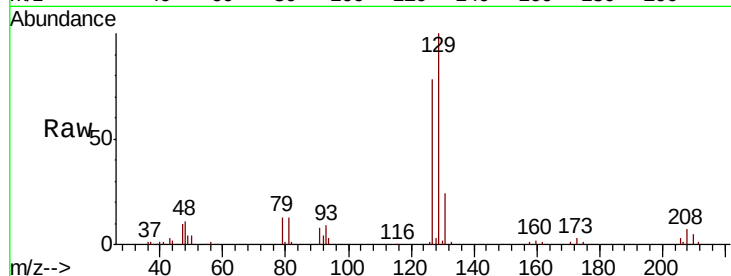
VN0524WBSD01

Tot Ion:129 Resp: 78362

Ion Ratio Lower Upper

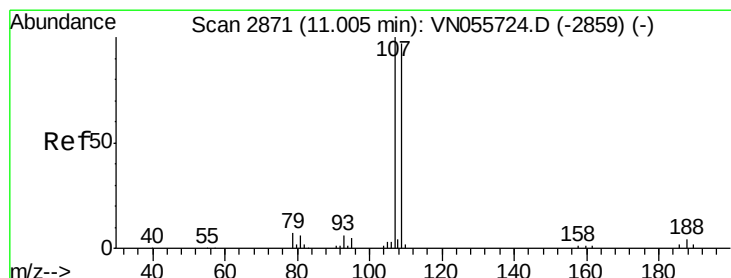
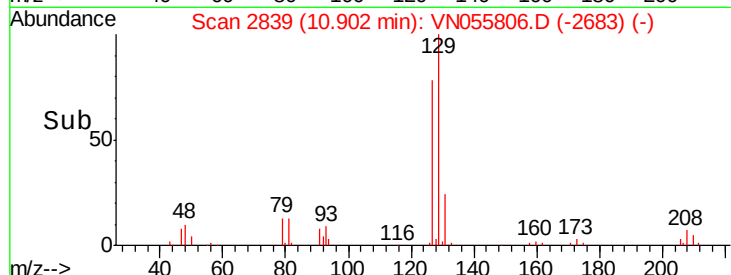
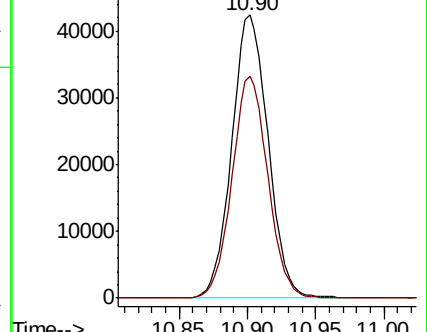
129 100

127 77.2 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.023 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055806.D

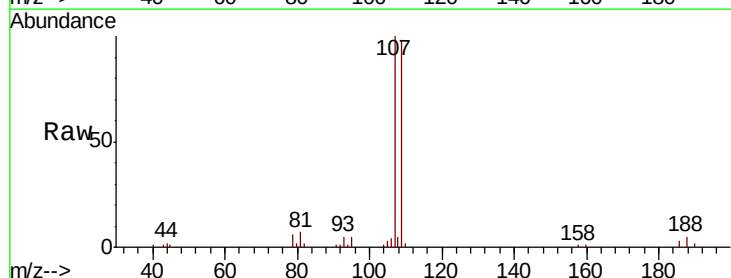
Acq: 24 May 2019 19:28

Tgt Ion:107 Resp: 72434

Ion Ratio Lower Upper

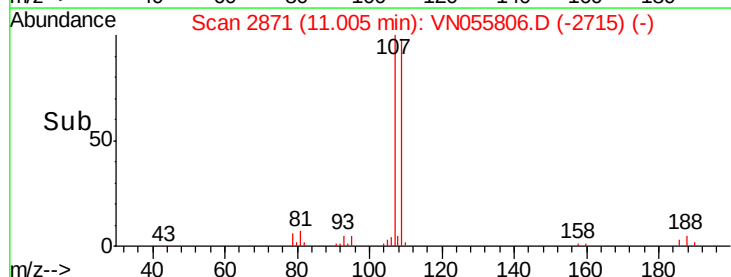
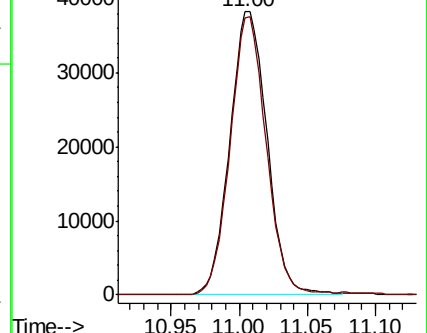
107 100

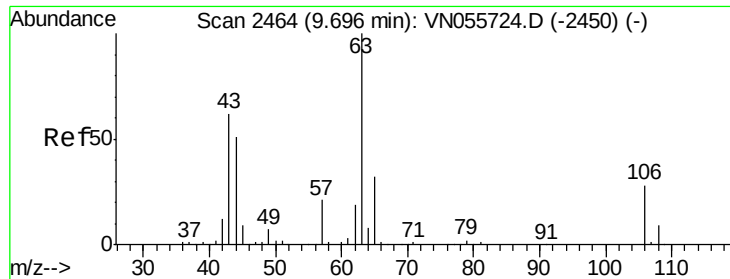
109 95.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

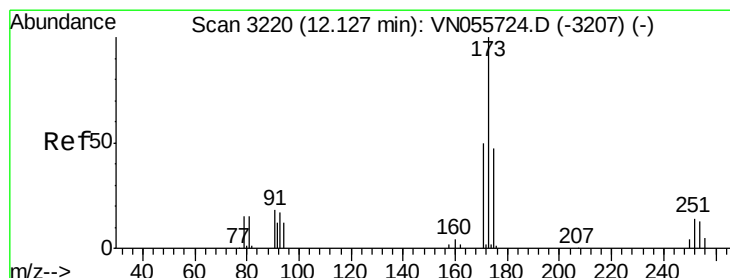
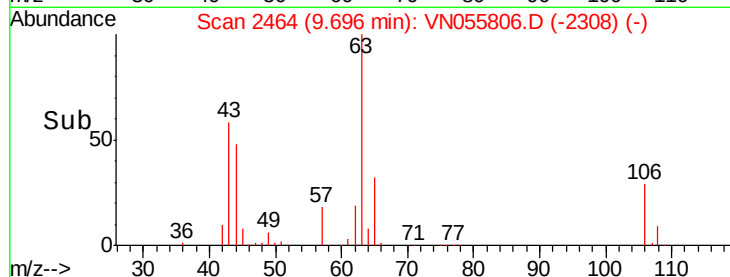
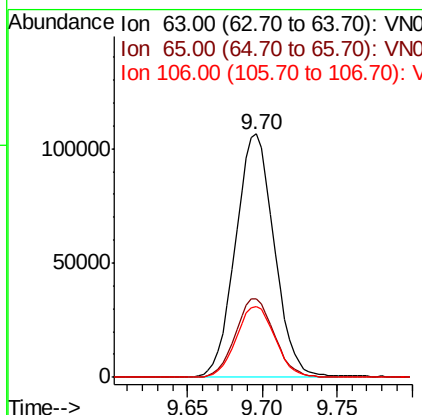
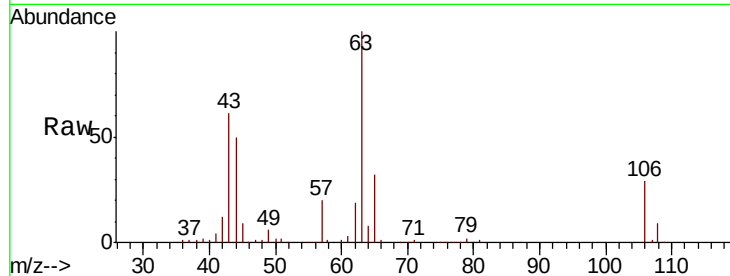




#55
2-Chloroethyl vinyl ether
Concen: 87.812 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

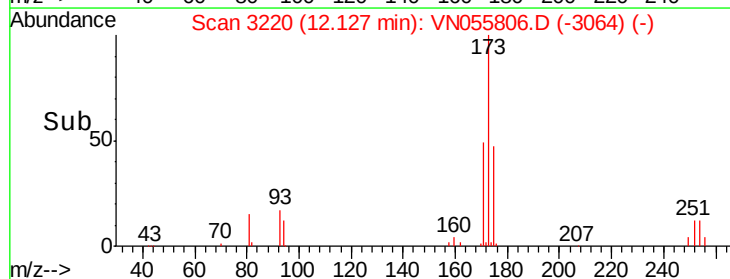
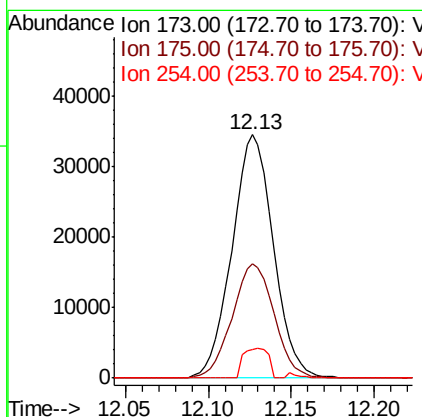
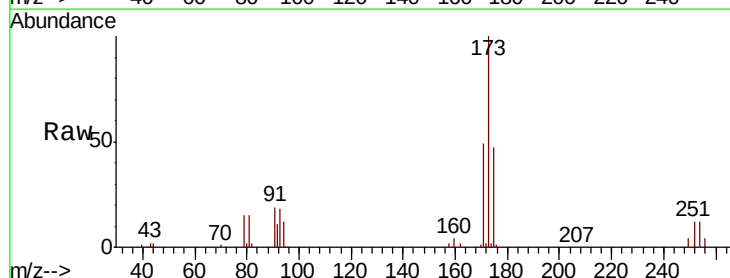
Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

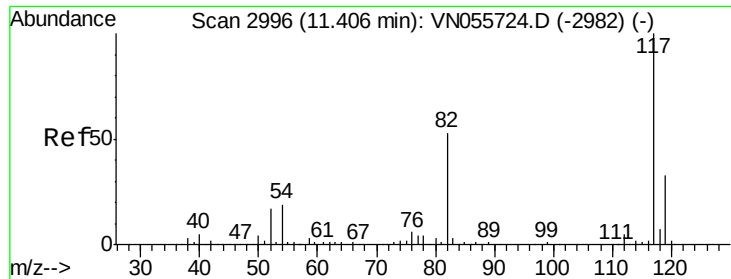
Tot Ion: 63 Resp: 192521
Ion Ratio Lower Upper
63 100
65 32.4 25.4 38.0
106 29.2 22.1 33.1



#56
Bromoform
Concen: 17.700 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion:173 Resp: 59959
Ion Ratio Lower Upper
173 100
175 47.4 38.5 57.7
254 7.3 9.4 14.0#

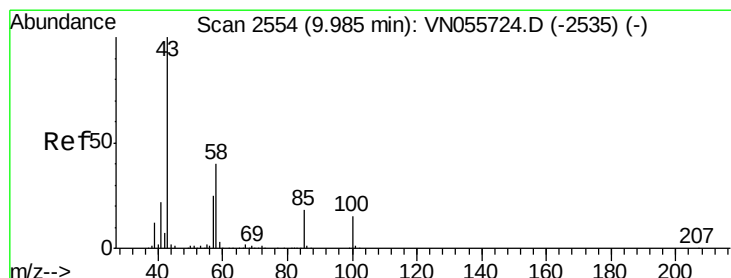
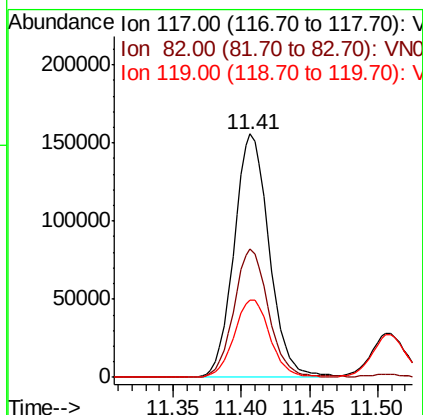
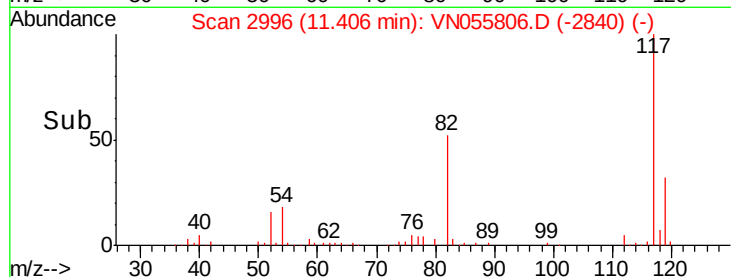
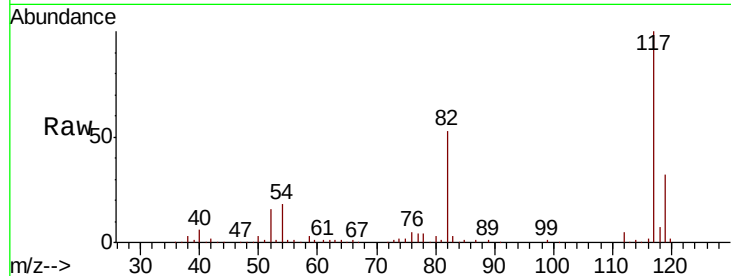




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

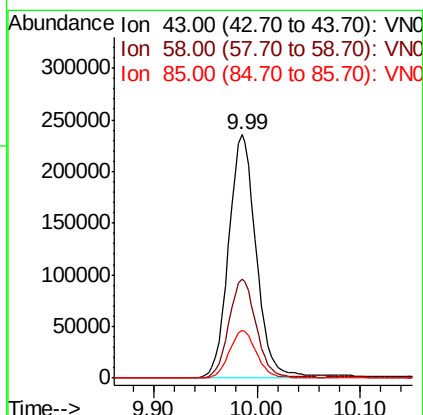
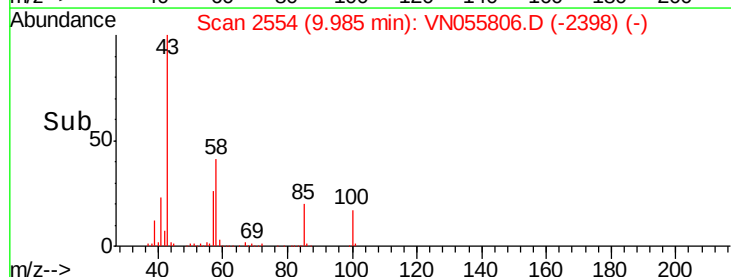
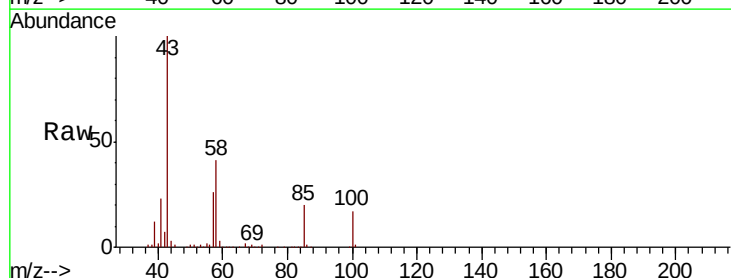
Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

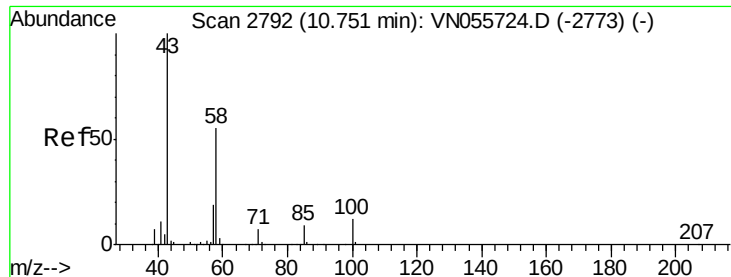
Tot Ion:117 Resp: 279345
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 32.4 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 94.886 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 43 Resp: 438794
Ion Ratio Lower Upper
43 100
58 40.7 31.7 47.5
85 19.5 14.5 21.7

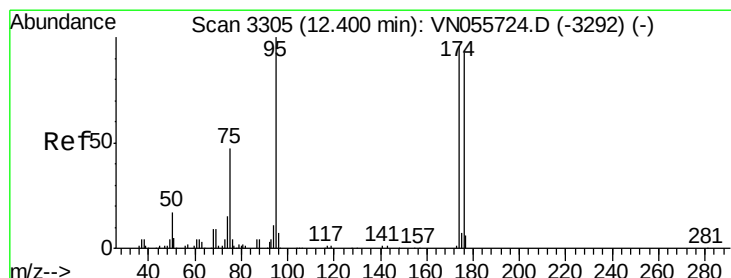
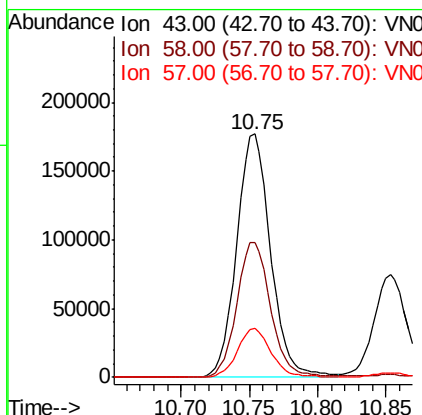
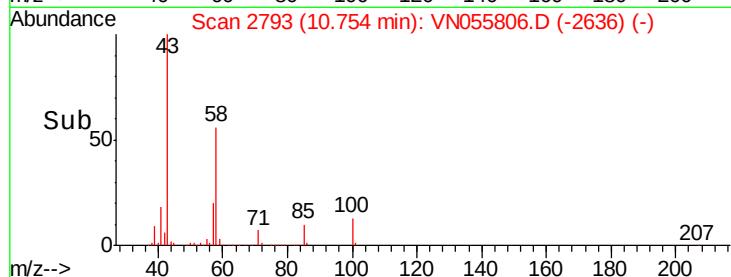
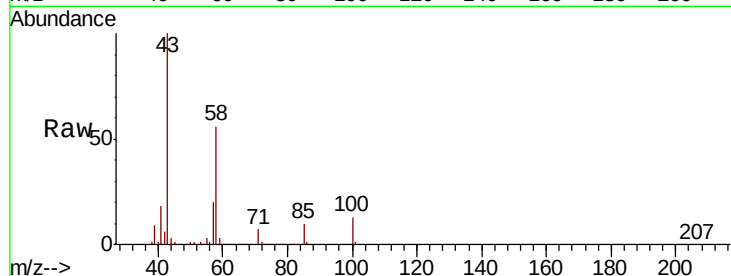




#59
2-Hexanone
Concen: 92.226 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

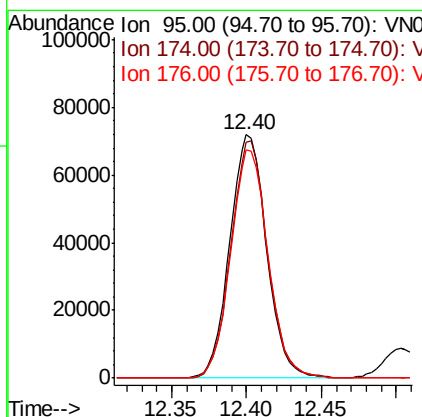
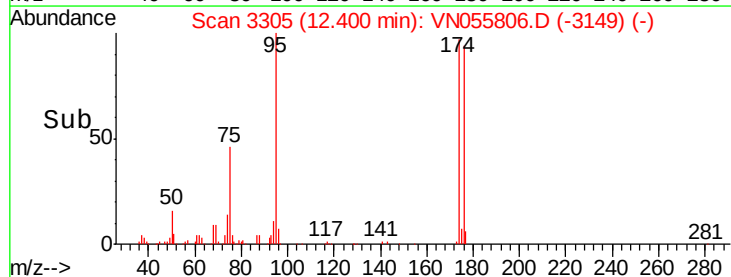
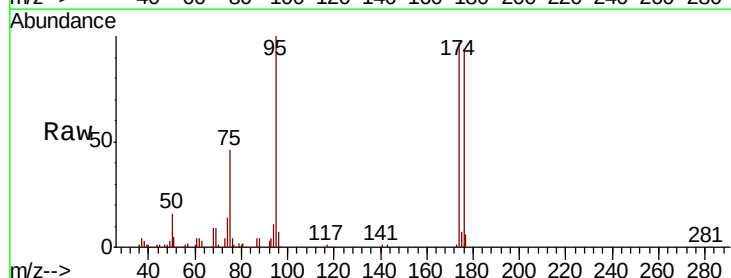
Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

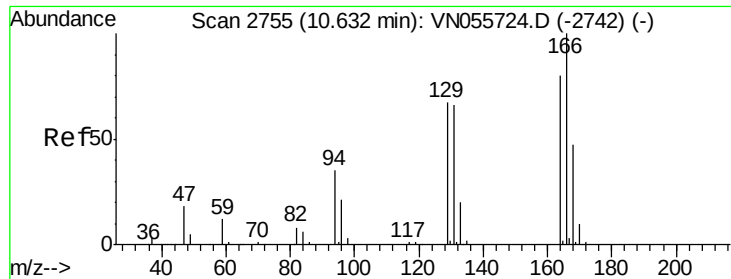
Tot Ion: 43 Resp: 304904
Ion Ratio Lower Upper
43 100
58 55.4 44.8 67.2
57 20.2 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 28.311 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 95 Resp: 123026
Ion Ratio Lower Upper
95 100
174 97.4 75.7 113.5
176 95.2 74.1 111.1

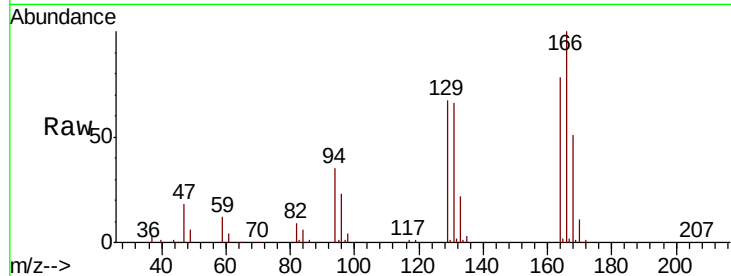




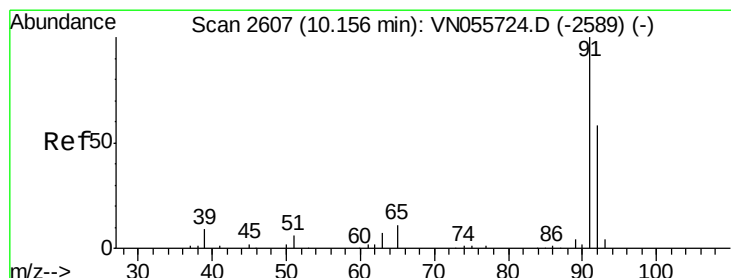
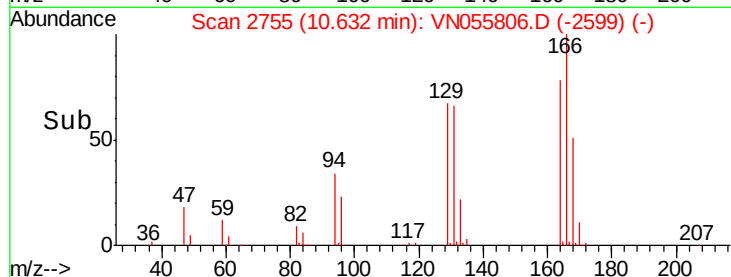
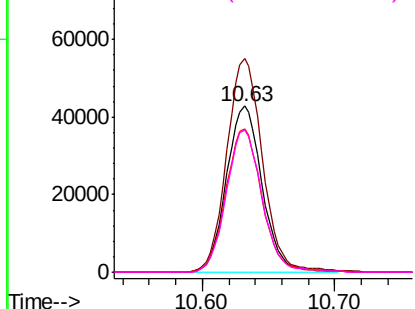
#61
Tetrachloroethene
Concen: 21.297 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion:164 Resp: 80533
Ion Ratio Lower Upper
164 100
166 128.7 100.6 150.8
129 86.7 67.4 101.2
131 85.5 66.6 99.8

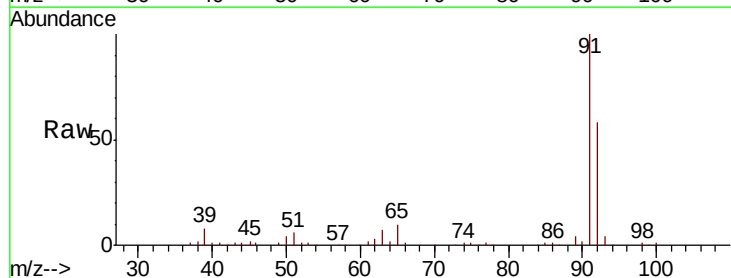


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

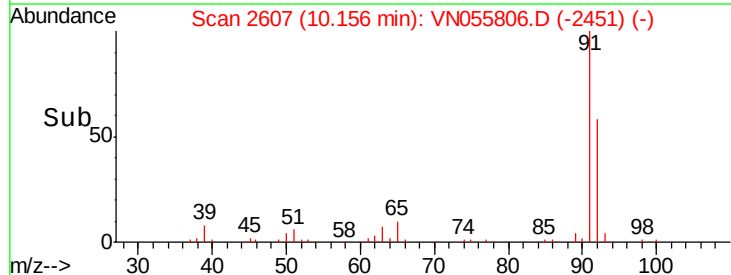
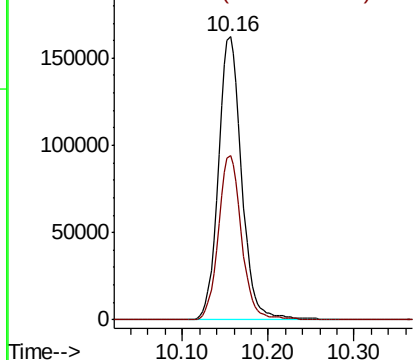


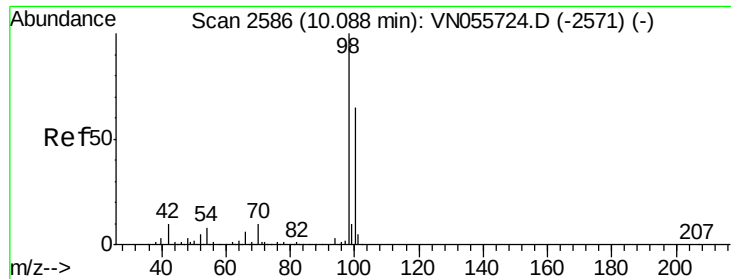
#62
Toluene
Concen: 20.345 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 91 Resp: 305624
Ion Ratio Lower Upper
91 100
92 57.8 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.902 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

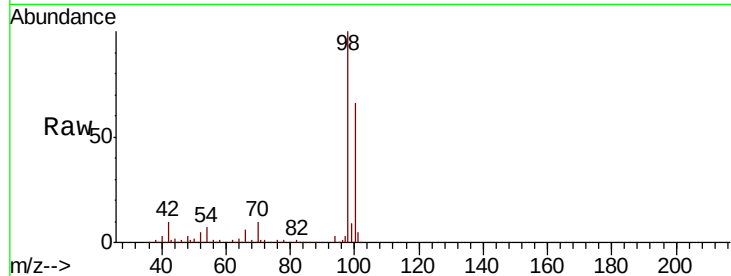
VN0524WBSD01

Tot Ion: 98 Resp: 381718

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-2571) (-)

10.09

200000

150000

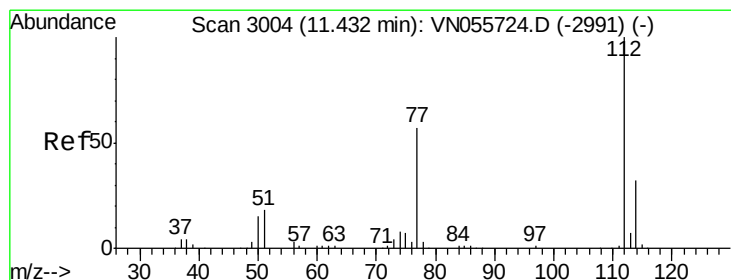
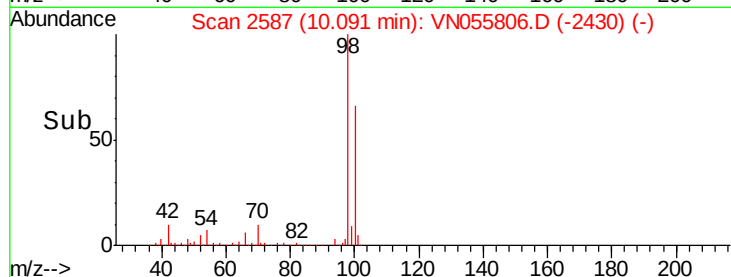
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.458 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055806.D

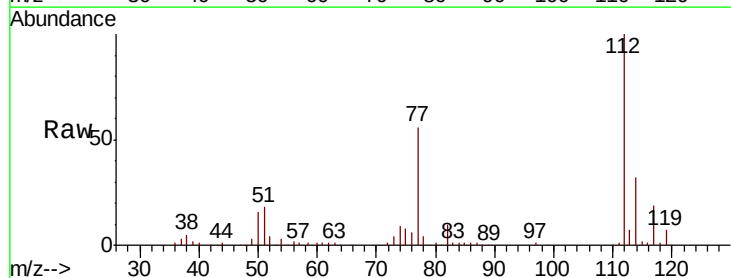
Acq: 24 May 2019 19:28

Tgt Ion: 112 Resp: 186425

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055724.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN055724.D (-2991) (-)

11.43

120000

100000

80000

60000

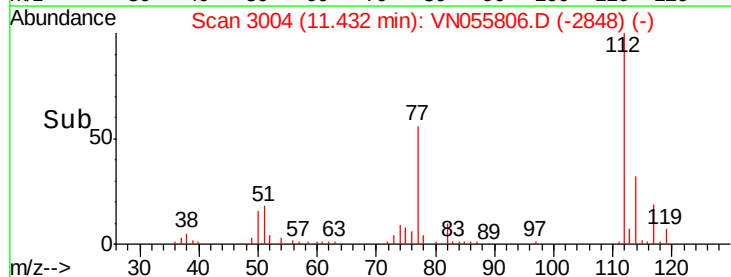
40000

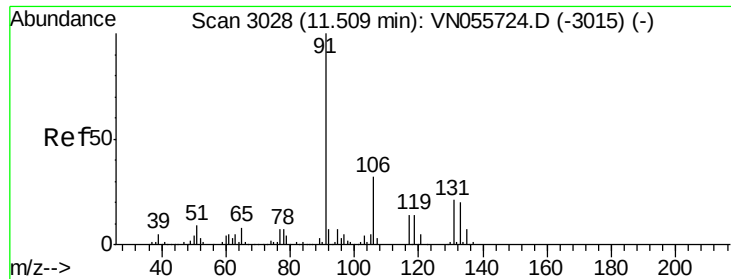
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.901 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

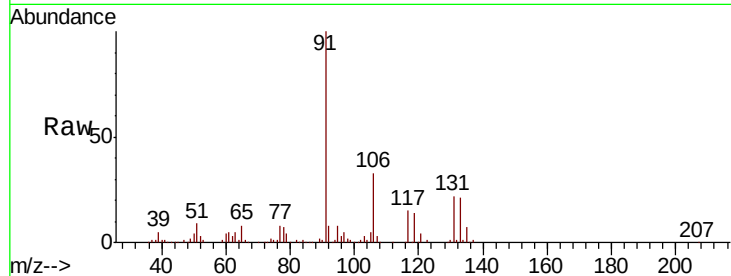
Tot Ion:131 Resp: 73066

Ion Ratio Lower Upper

131 100

133 95.2 0.0 188.8

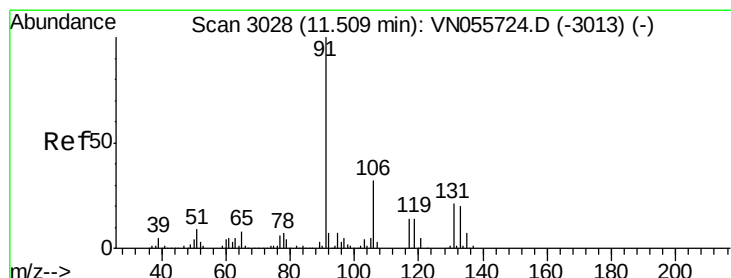
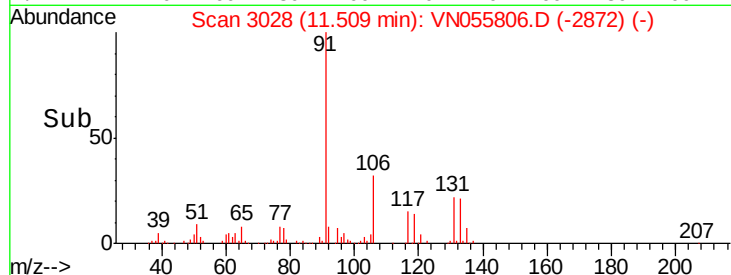
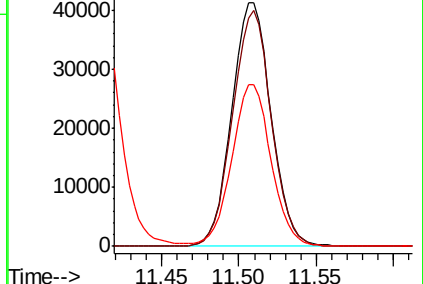
119 66.1 0.0 133.6



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: 19.978 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055806.D

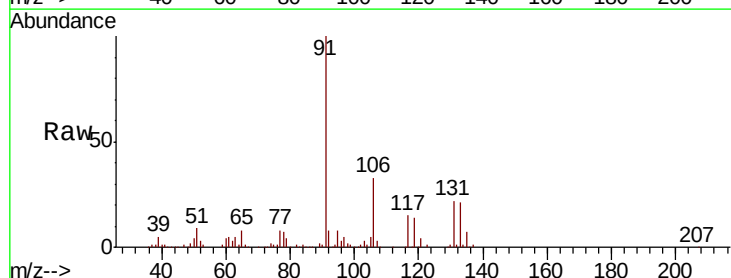
Acq: 24 May 2019 19:28

Tgt Ion: 91 Resp: 327906

Ion Ratio Lower Upper

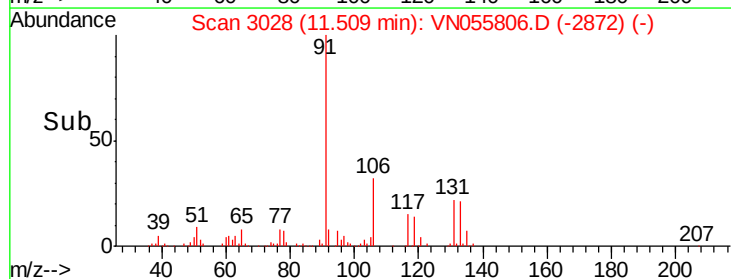
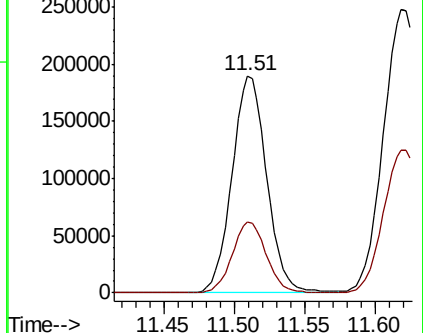
91 100

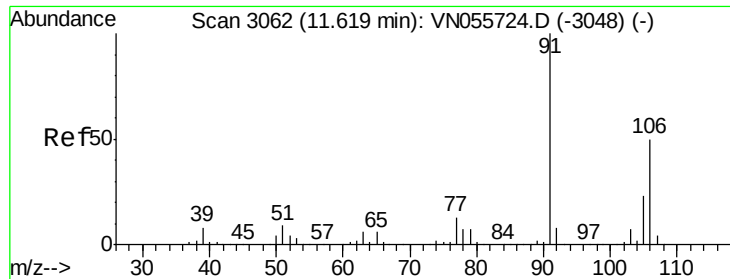
106 32.7 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

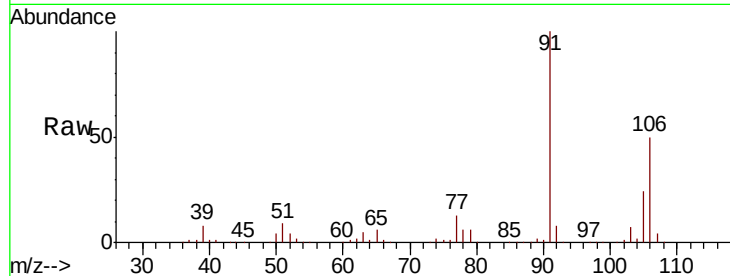




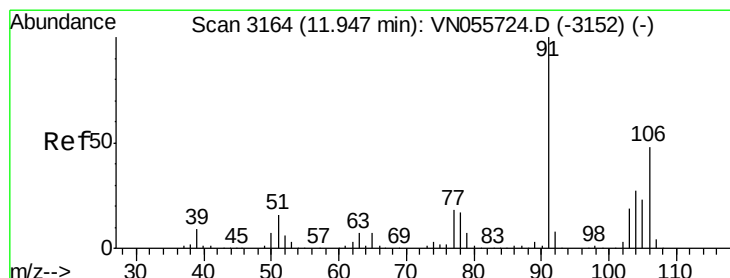
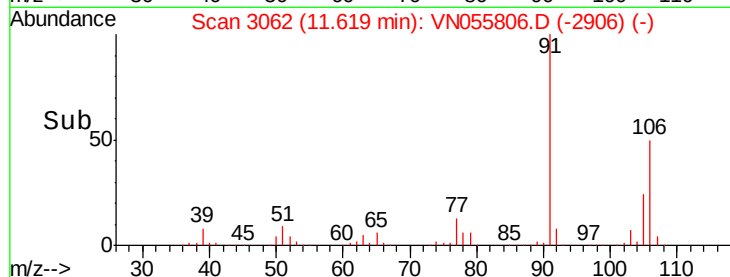
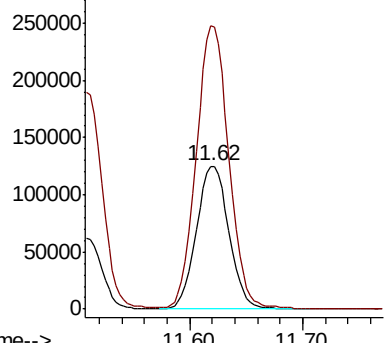
#67
m/p-Xylenes
Concen: 40.146 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

Tot Ion:106 Resp: 250313
Ion Ratio Lower Upper
106 100
91 197.7 159.5 239.3

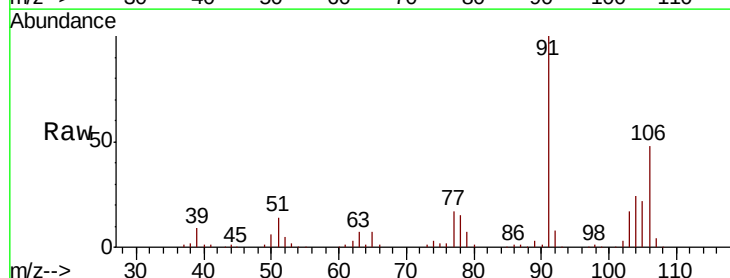


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

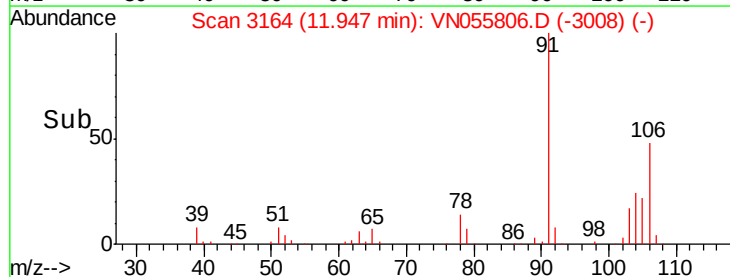
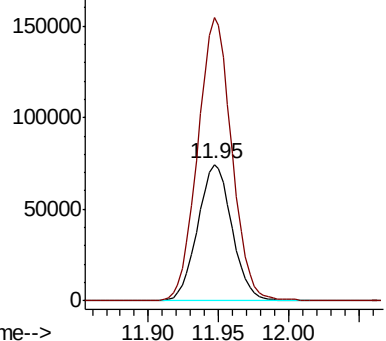


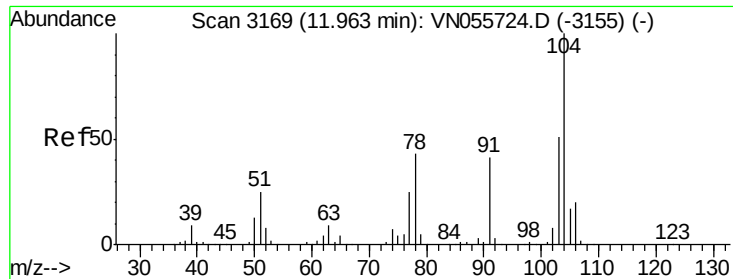
#68
o-Xylene
Concen: 20.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion:106 Resp: 126582
Ion Ratio Lower Upper
106 100
91 205.9 105.4 316.1



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

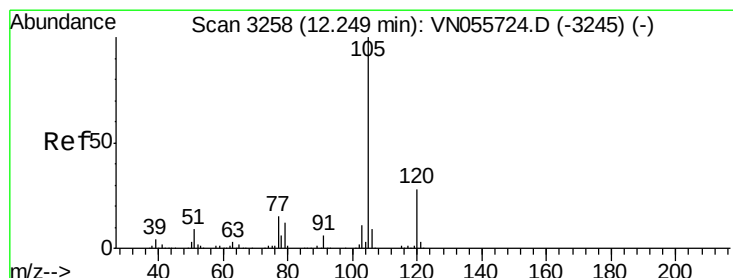
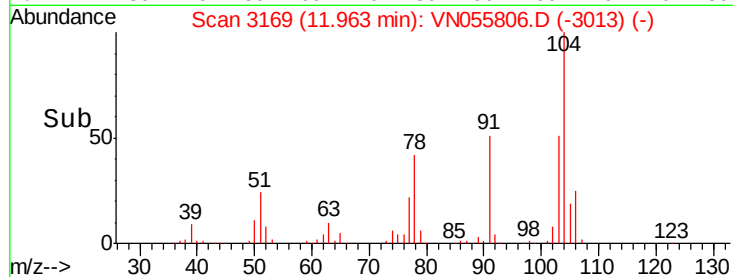
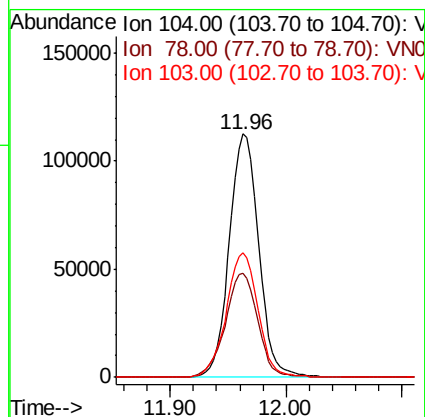
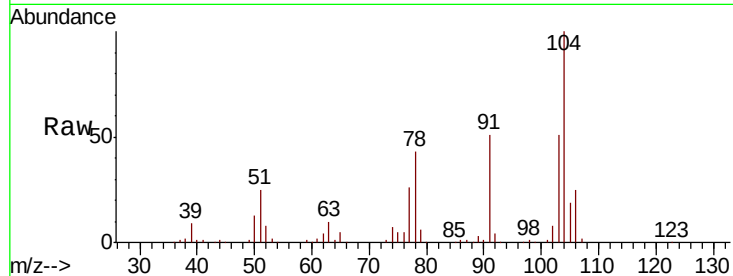




#69
 Stvrene
 Concen: 19.473 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

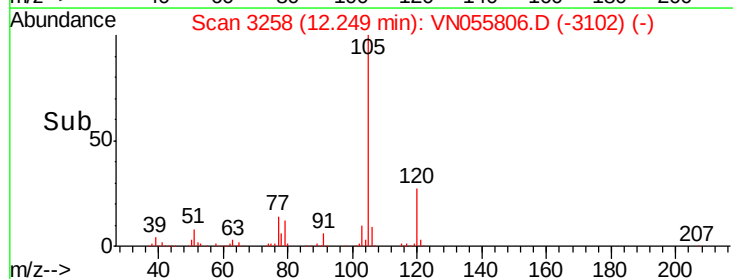
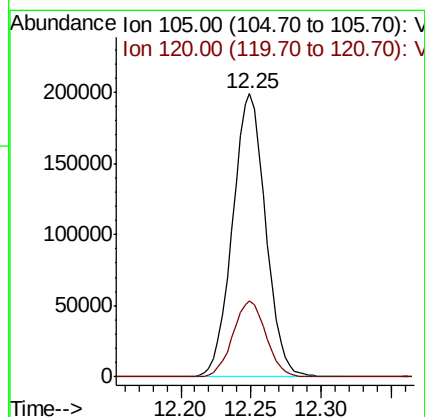
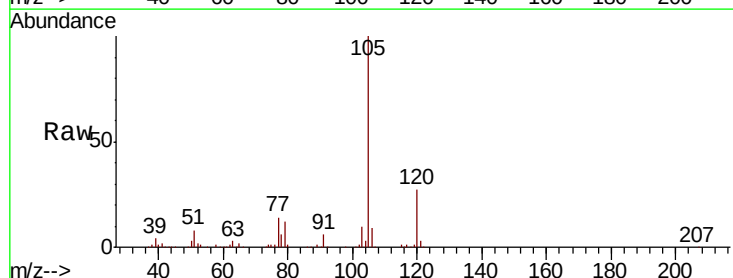
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

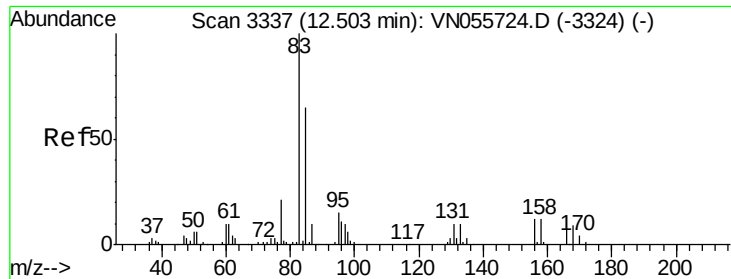
Tot Ion:104 Resp: 198219
 Ion Ratio Lower Upper
 104 100
 78 47.2 38.7 58.1
 103 55.2 45.0 67.6



#70
 Isopropylbenzene
 Concen: 20.227 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion:105 Resp: 326538
 Ion Ratio Lower Upper
 105 100
 120 27.1 19.2 35.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.648 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

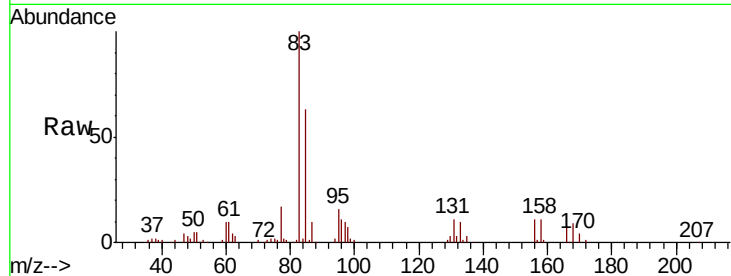
Tot Ion: 83 Resp: 97616

Ion Ratio Lower Upper

83 100

131 11.4 5.3 15.8

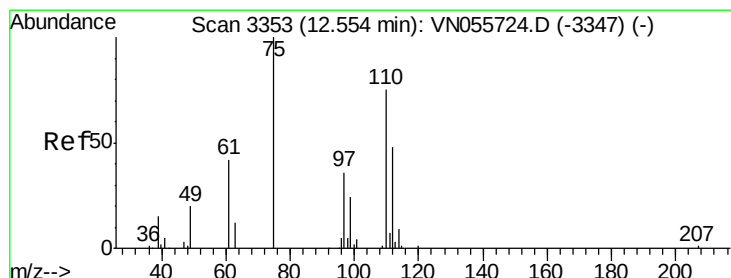
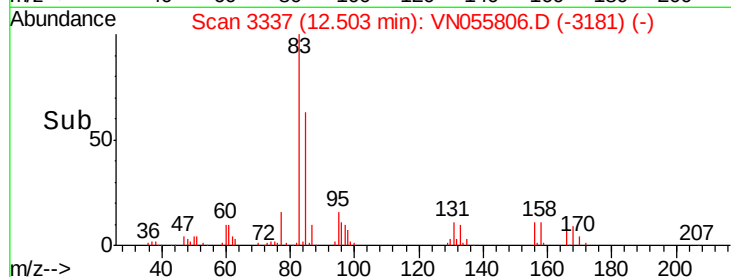
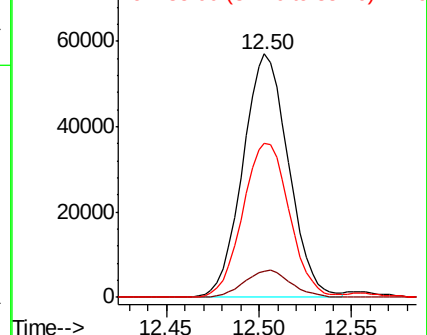
85 64.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 26.896 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055806.D

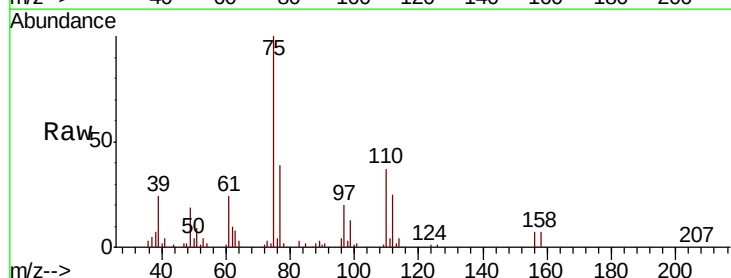
Acq: 24 May 2019 19:28

Tgt Ion: 75 Resp: 115005

Ion Ratio Lower Upper

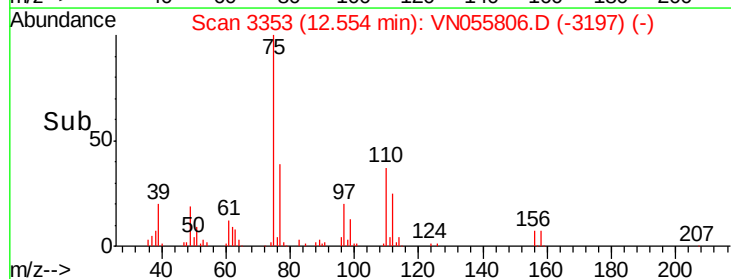
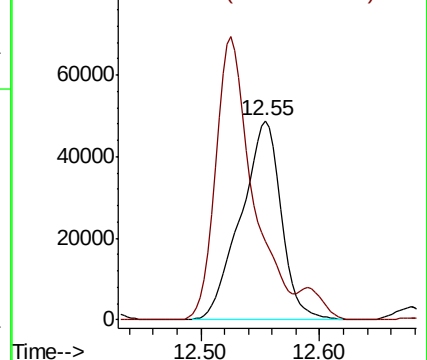
75 100

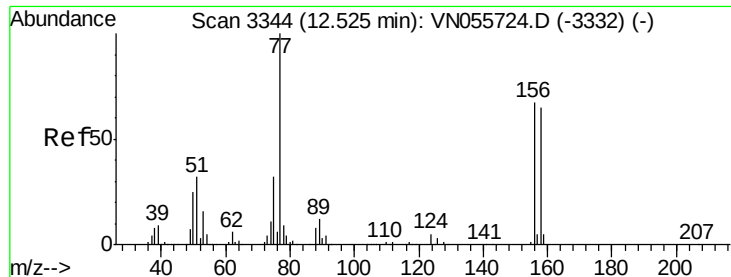
77 129.2 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.237 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

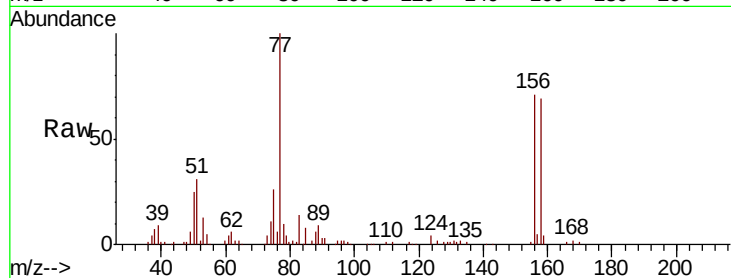
Tot Ion:156 Resp: 86427

Ion Ratio Lower Upper

156 100

77 172.0 0.0 368.0

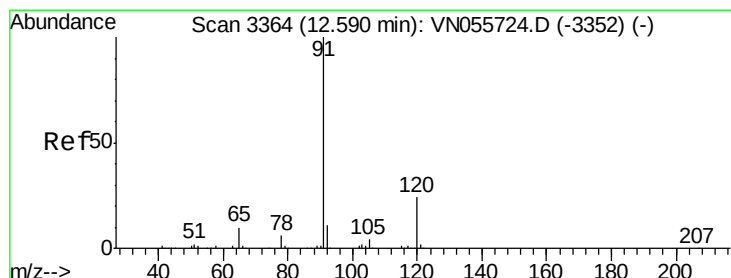
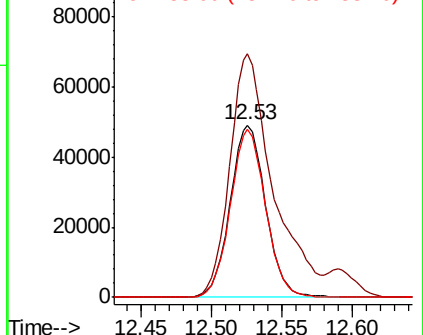
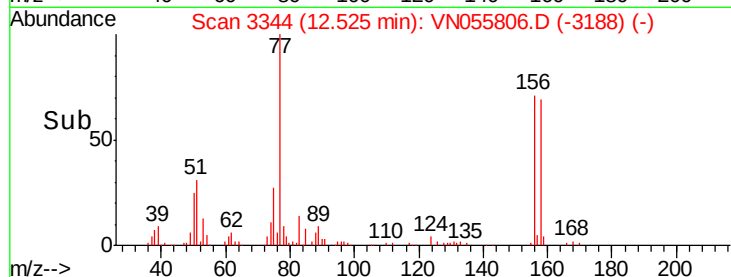
158 96.3 0.0 195.0



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: 19.217 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055806.D

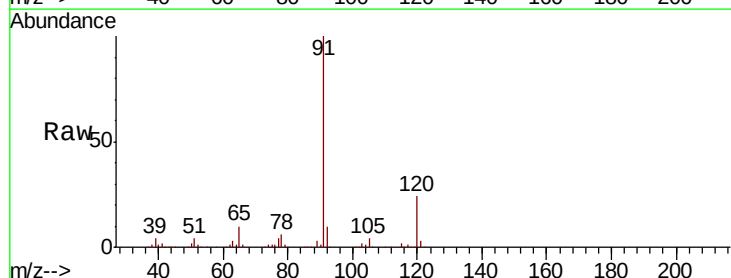
Acq: 24 May 2019 19:28

Tgt Ion: 91 Resp: 334587

Ion Ratio Lower Upper

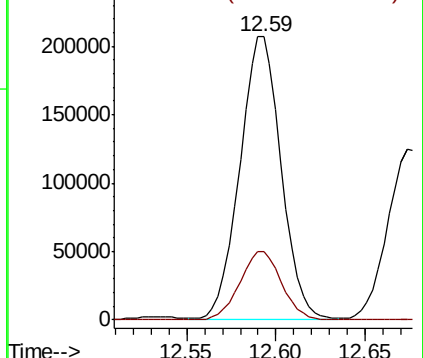
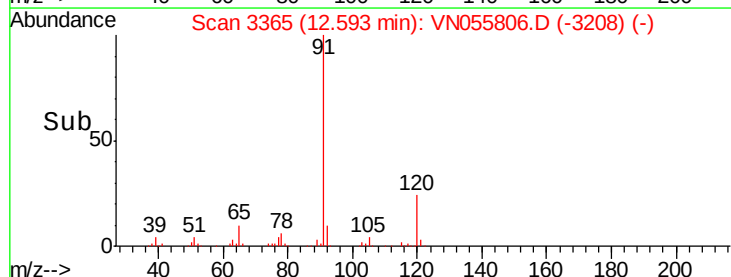
91 100

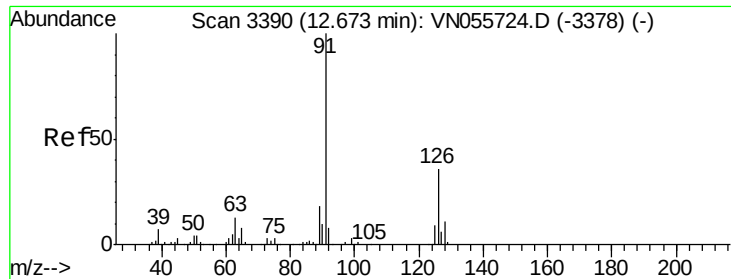
120 24.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

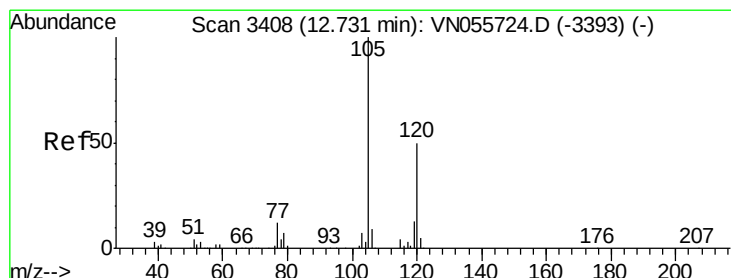
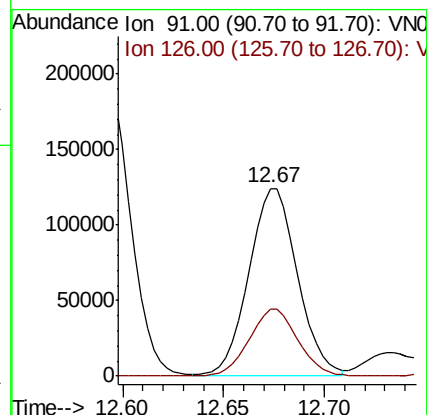
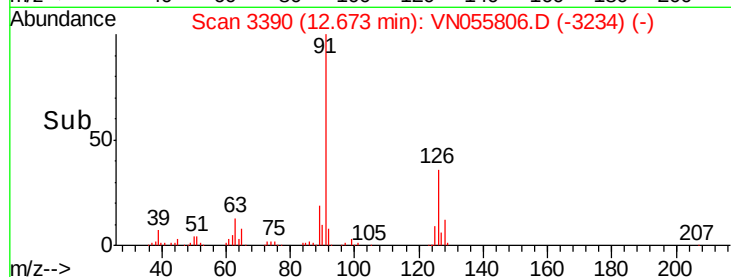
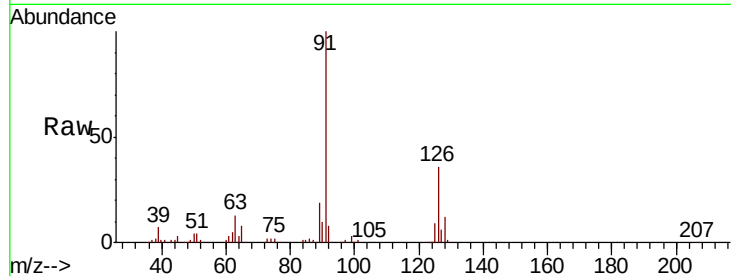
VN0524WBSD01

Tot Ion: 91 Resp: 210646

Ion Ratio Lower Upper

91 100

126 35.7 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 19.789 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055806.D

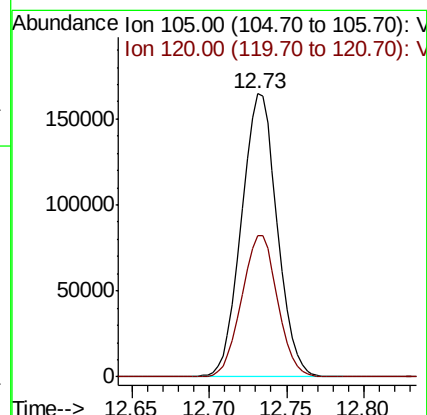
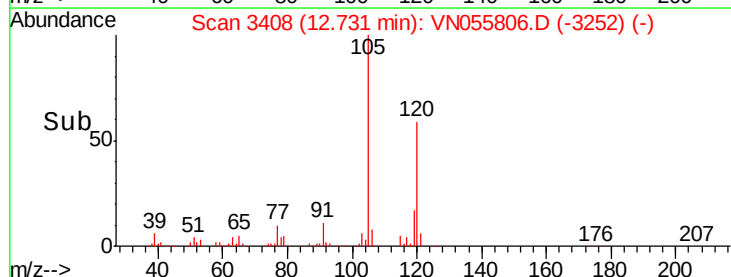
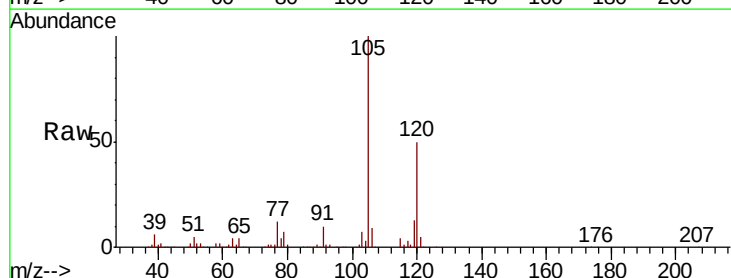
Acq: 24 May 2019 19:28

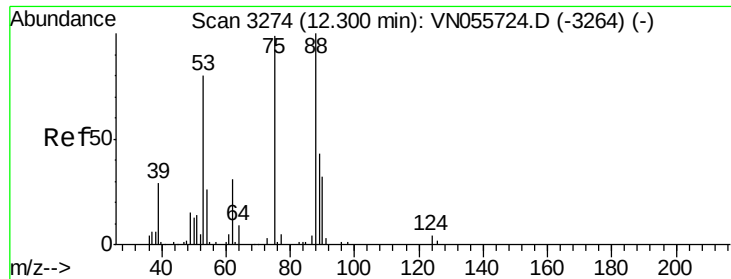
Tgt Ion: 105 Resp: 264058

Ion Ratio Lower Upper

105 100

120 50.3 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.044 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

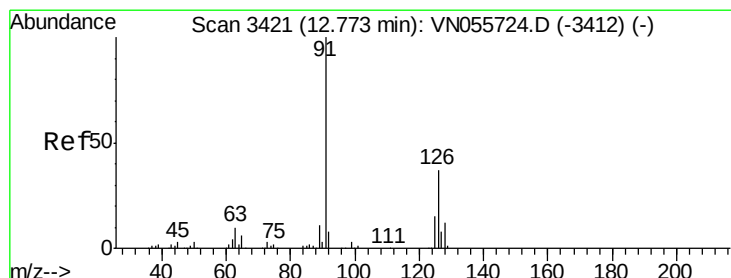
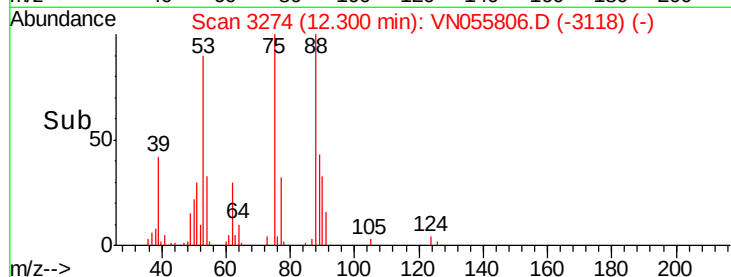
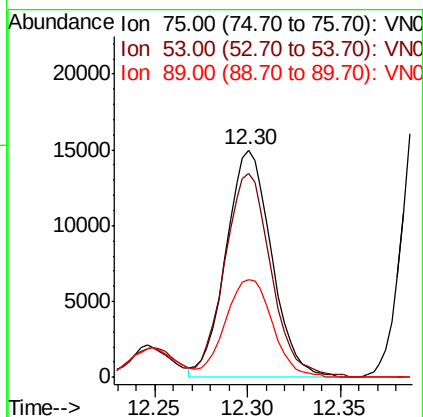
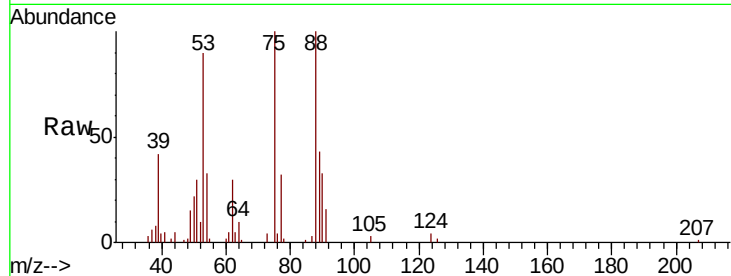
Tot Ion: 75 Resp: 25551

Ion Ratio Lower Upper

75 100

53 88.7 40.1 120.3

89 42.9 22.6 67.8



#78

4-Chlorotoluene

Concen: 19.279 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055806.D

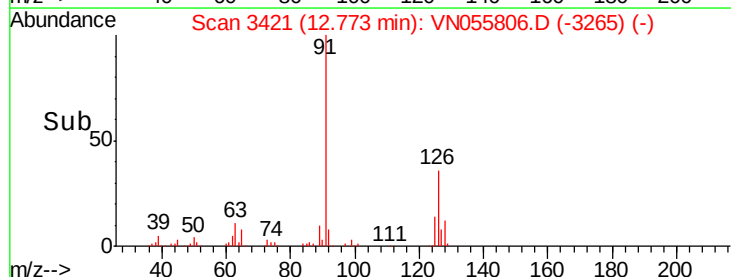
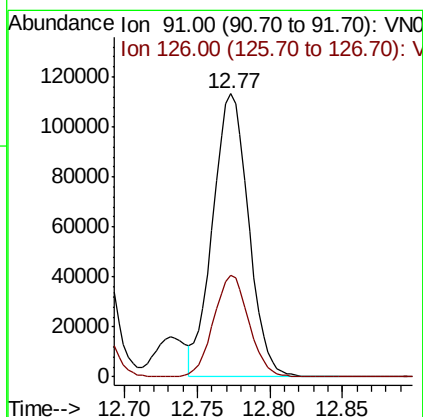
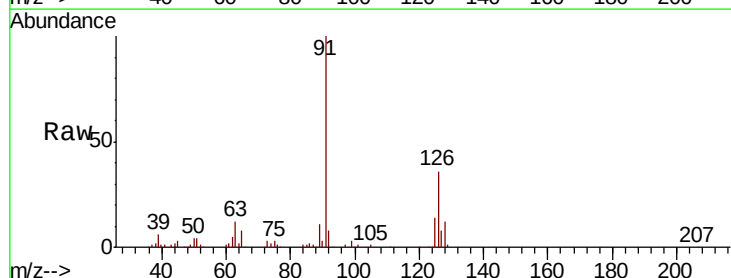
Acq: 24 May 2019 19:28

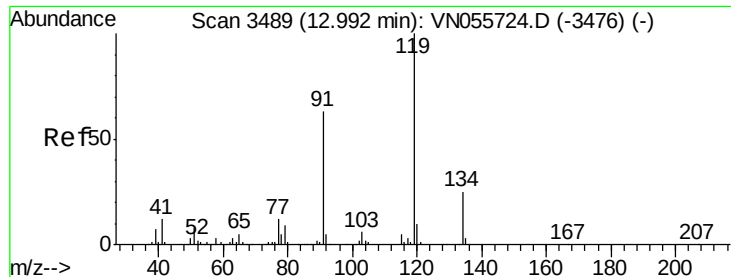
Tgt Ion: 91 Resp: 194323

Ion Ratio Lower Upper

91 100

126 35.3 0.0 69.0

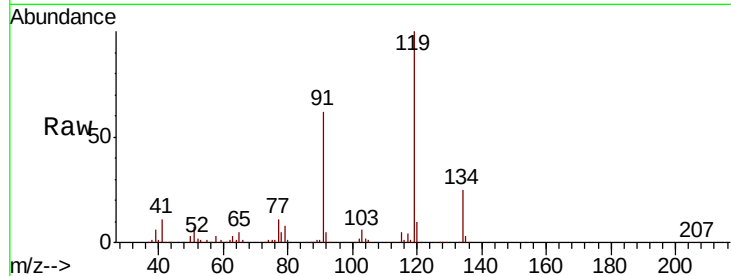




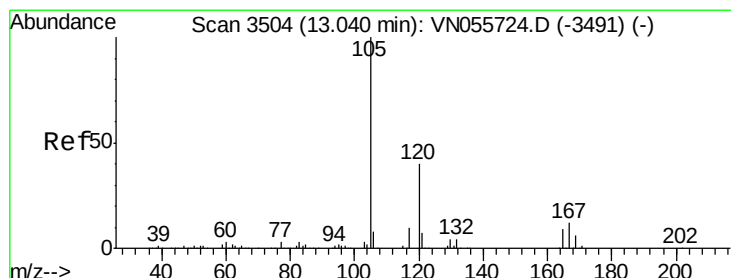
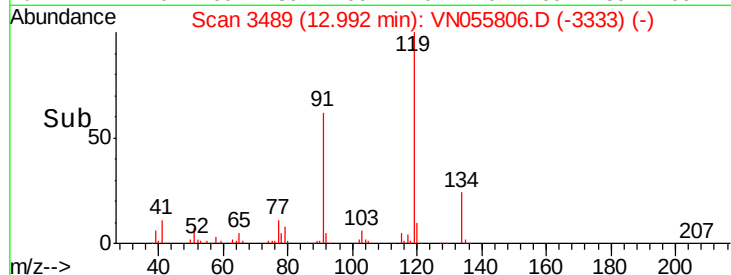
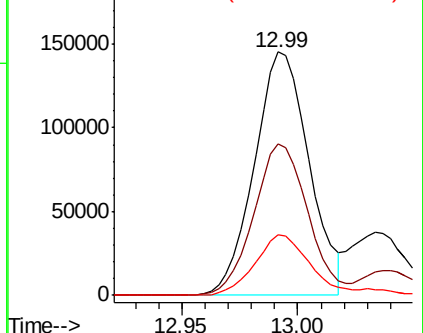
#79
tert-butylbenzene
Concen: 20.338 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

Tot Ion:119 Resp: 238584
Ion Ratio Lower Upper
119 100
91 61.0 0.0 123.8
134 24.5 0.0 52.6

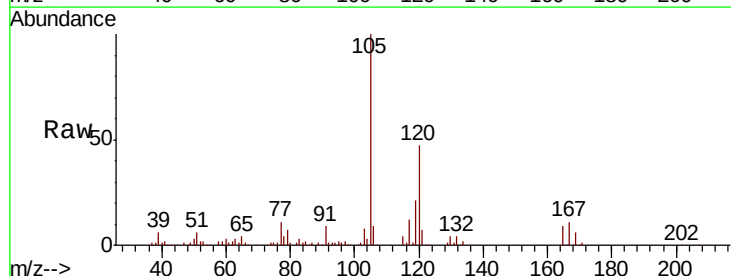


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

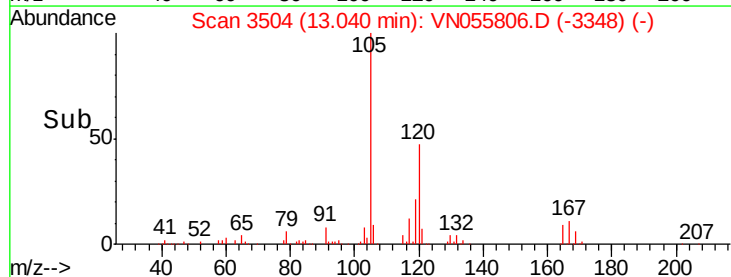
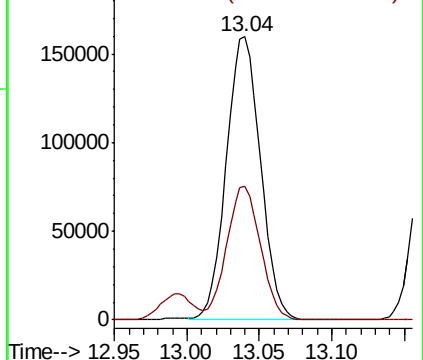


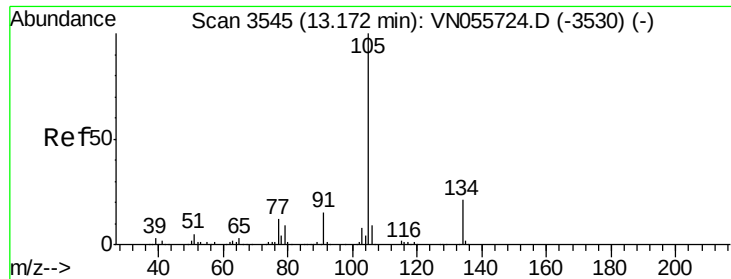
#80
1,2,4-Trimethylbenzene
Concen: 19.704 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion:105 Resp: 261007
Ion Ratio Lower Upper
105 100
120 46.8 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: 19.766 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

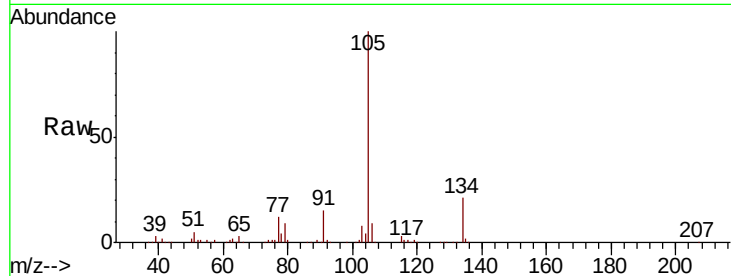
VN0524WBSD01

Tot Ion:105 Resp: 294613

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

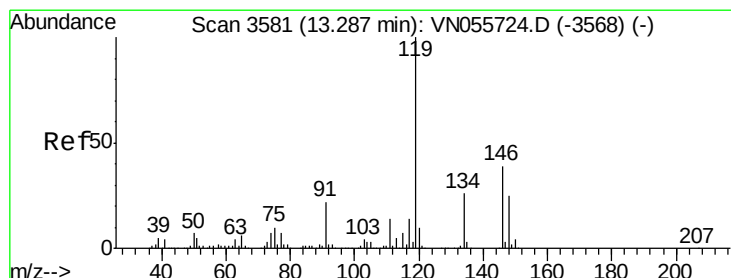
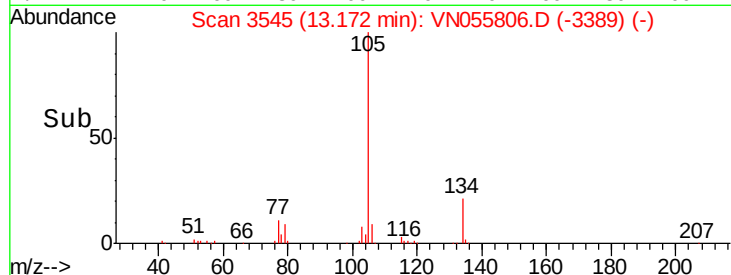
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.257 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

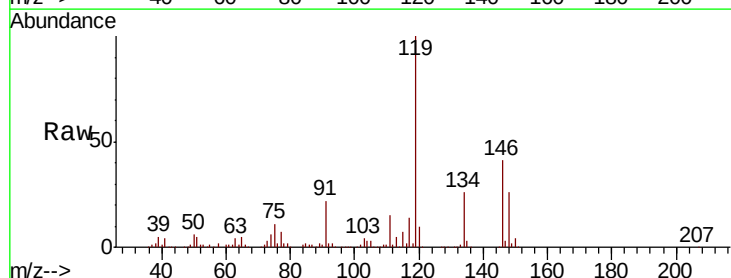
Tgt Ion:119 Resp: 264151

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 21.6 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

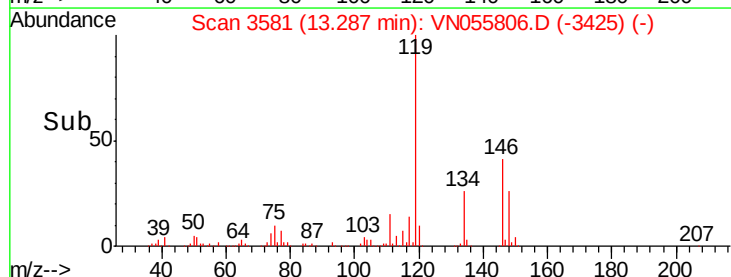
150000

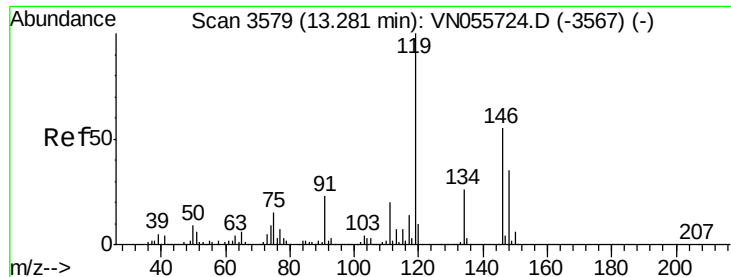
100000

50000

0

Time-->

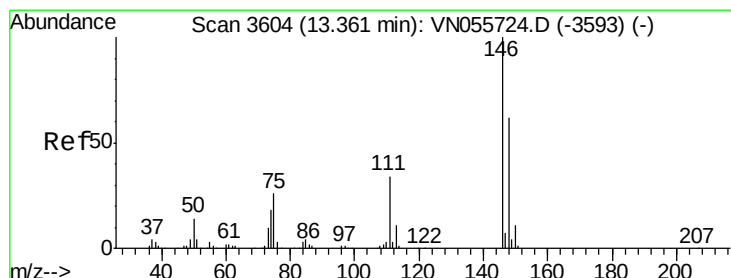
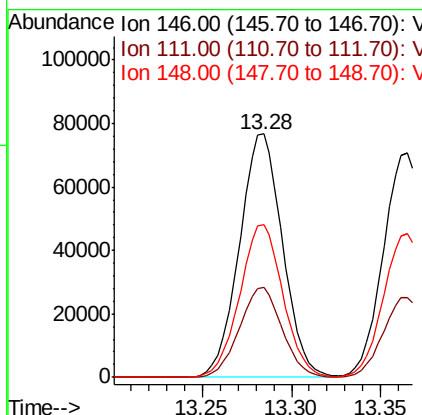
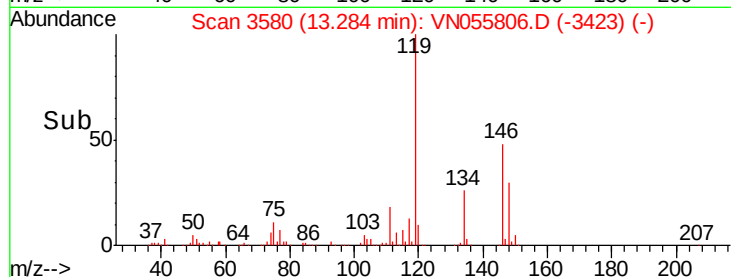
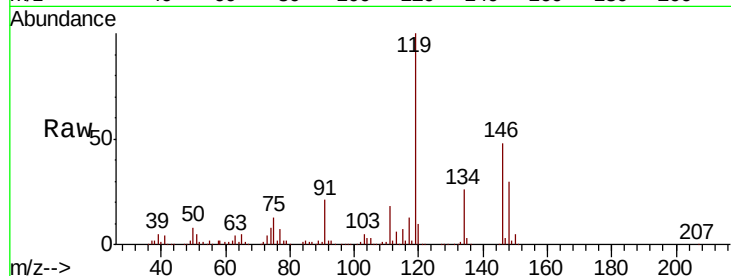




#83
 1,3-Dichlorobenzene
 Concen: 19.392 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

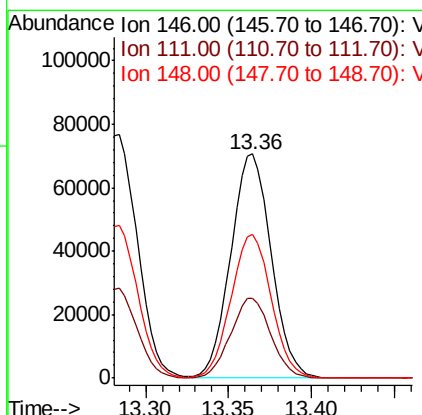
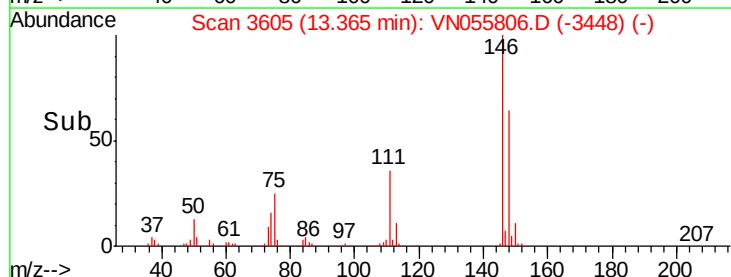
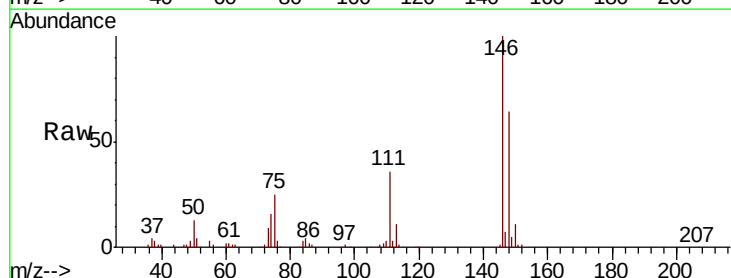
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

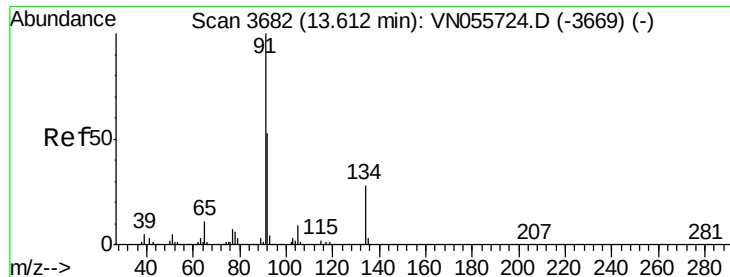
Tot Ion:146 Resp: 129825
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 55.6
 148 63.0 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.871 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion:146 Resp: 120317
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.5 52.6
 148 63.7 31.8 95.4





#85

n-Butylbenzene

Concen: 17.435 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

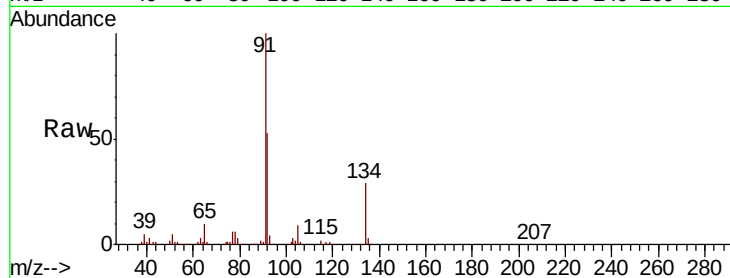
Tot Ion: 91 Resp: 186056

Ion Ratio Lower Upper

91 100

92 52.6 0.0 106.8

134 28.5 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055806.D (-3526) (-)

Ion 92.00 (91.70 to 92.70): VN055806.D (-3526) (-)

Ion 134.00 (133.70 to 134.70): VN055806.D (-3526) (-)

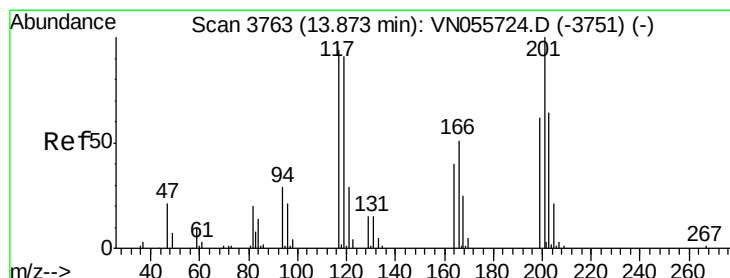
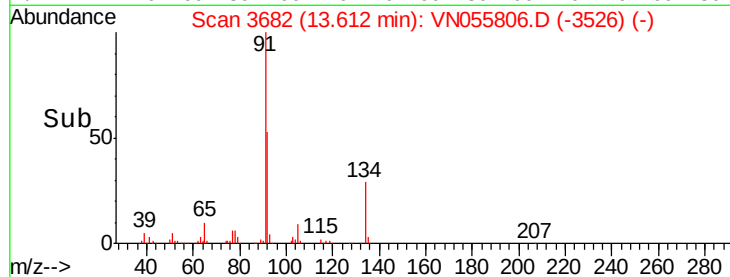
13.61

100000

50000

0

Time--> 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 17.277 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055806.D

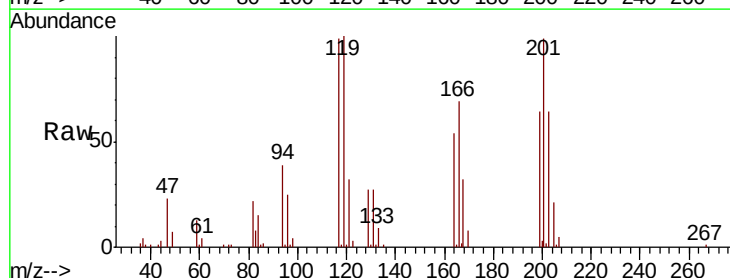
Acq: 24 May 2019 19:28

Tgt Ion: 117 Resp: 46613

Ion Ratio Lower Upper

117 100

201 104.7 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055806.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN055806.D (-3701) (-)

13.87

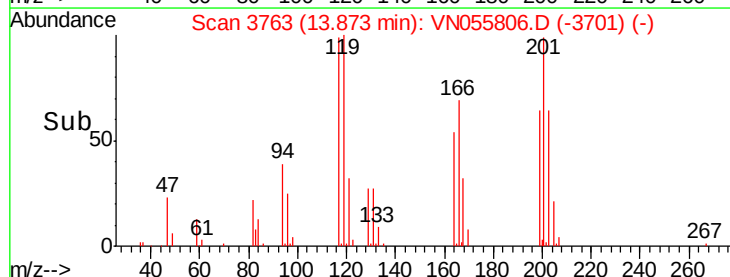
30000

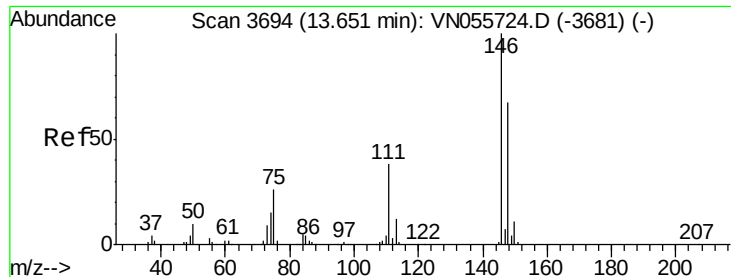
20000

10000

0

Time--> 13.80 13.85 13.90





#87

1,2-Dichlorobenzene

Concen: 19.708 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

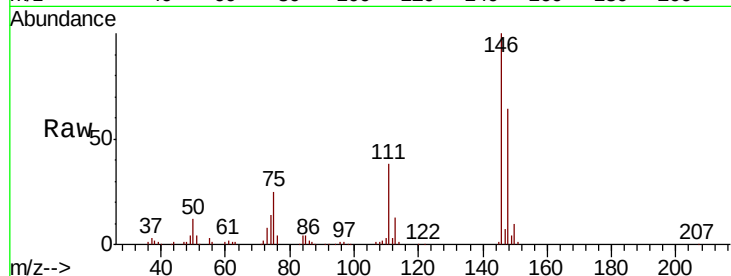
Tot Ion:146 Resp: 132862

Ion Ratio Lower Upper

146 100

111 37.6 19.2 57.6

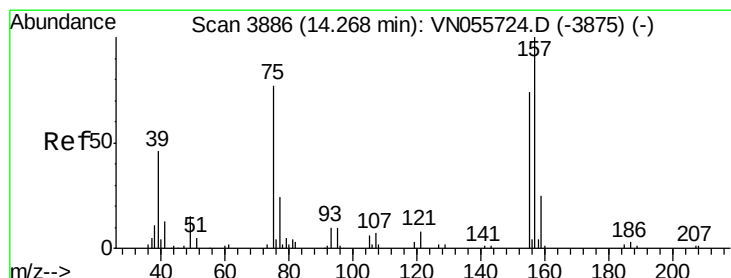
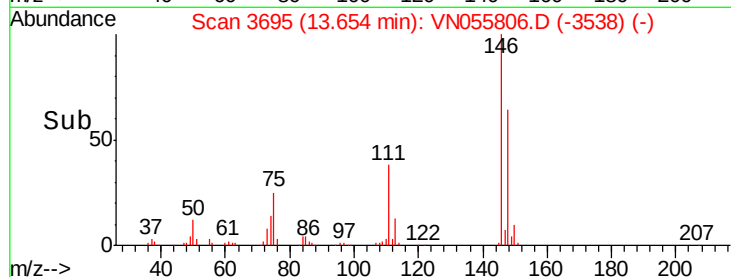
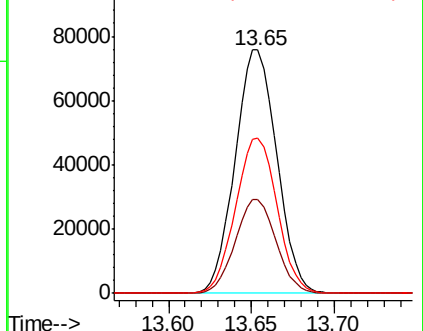
148 63.2 32.7 98.1



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: 17.496 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

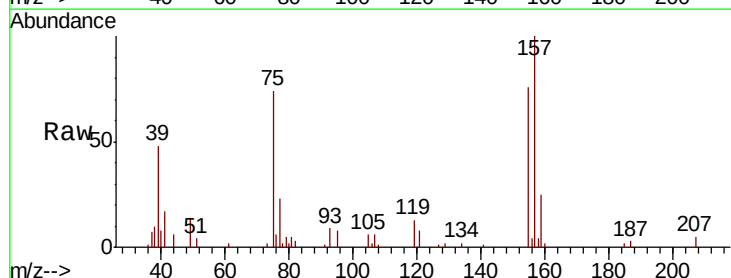
Tgt Ion: 75 Resp: 16475

Ion Ratio Lower Upper

75 100

155 104.8 78.4 117.6

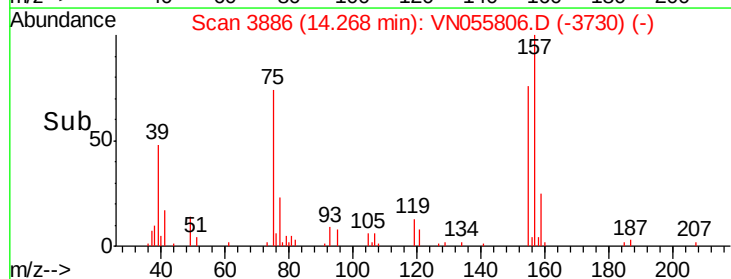
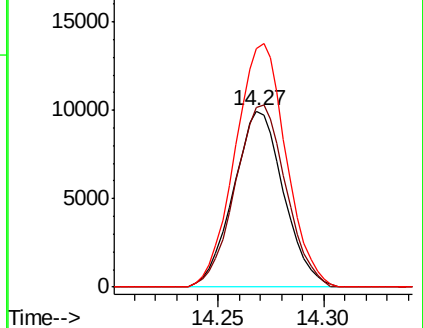
157 140.3 105.0 157.4

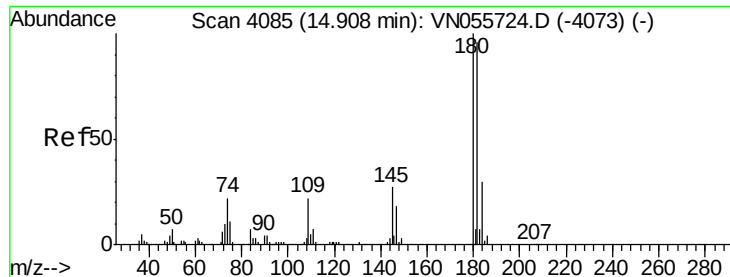


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

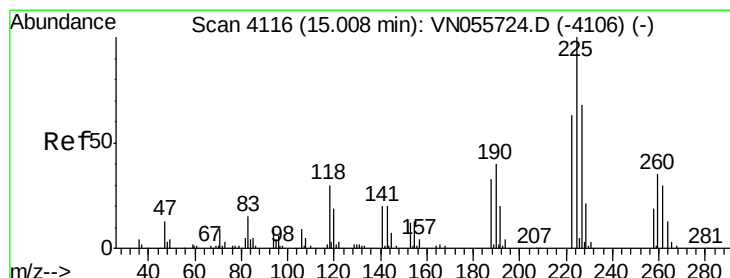
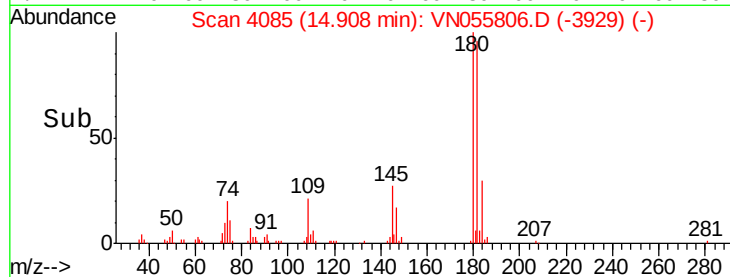
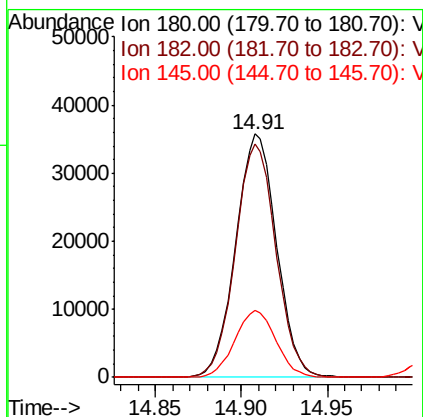
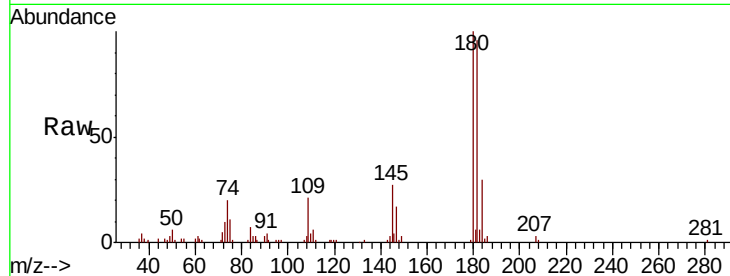




#89
 1,2,4-Trichlorobenzene
 Concen: 16.220 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

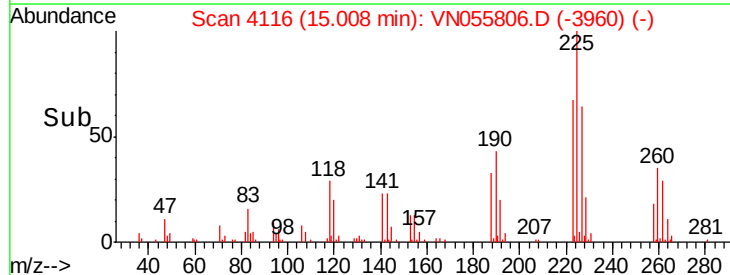
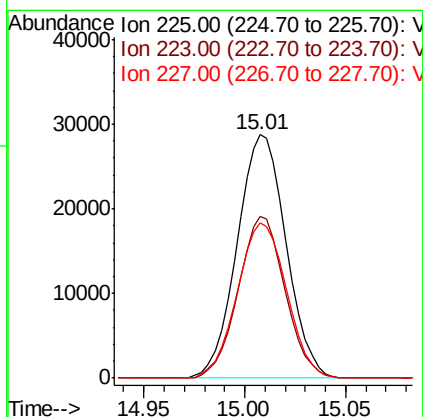
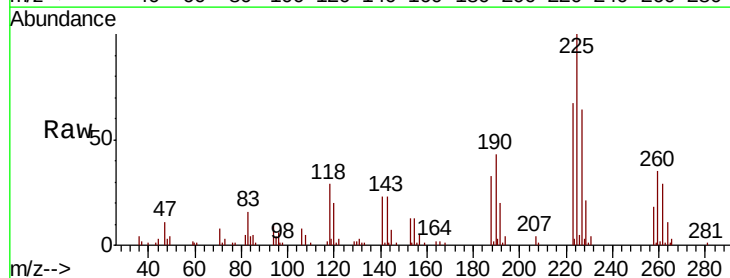
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

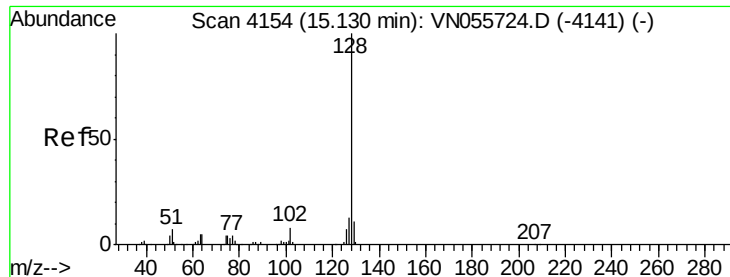
Tot Ion:180 Resp: 59025
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 145 27.6 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 17.998 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion:225 Resp: 48868
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 126.0
 227 64.1 0.0 133.0





#91

Naphthalene

Concen: 16.396 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

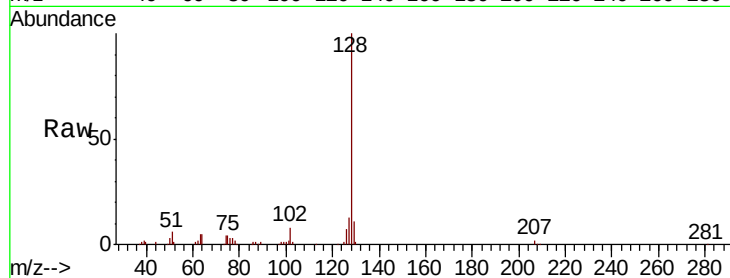
Tot Ion:128 Resp: 163020

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.7 8.7 13.1

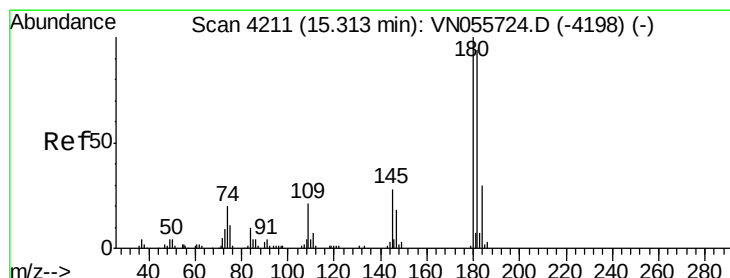
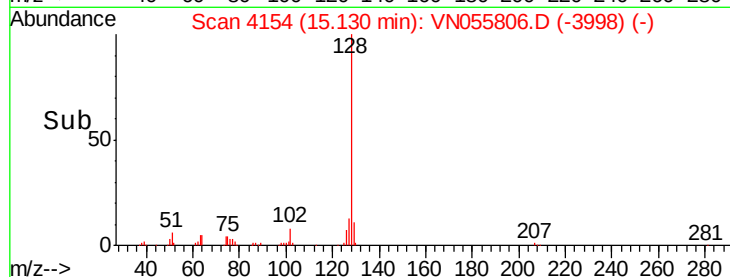
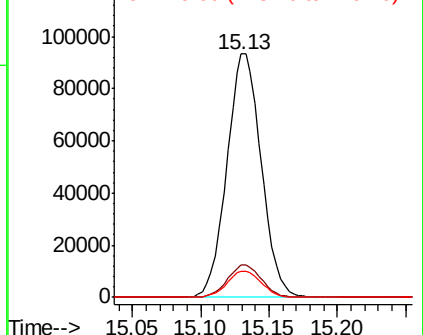


Abundance

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: 17.136 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

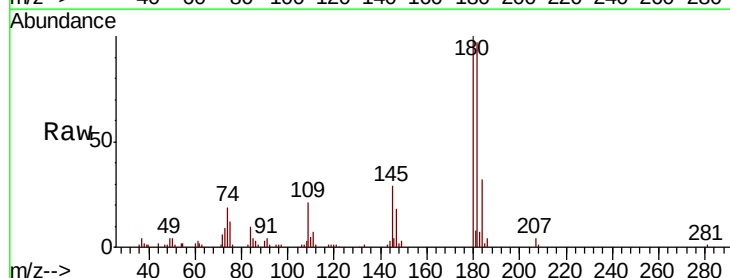
Tgt Ion:180 Resp: 65170

Ion Ratio Lower Upper

180 100

182 96.3 0.0 188.6

145 29.6 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

