

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054993.D
 Acq On : 12 Apr 2019 12:09
 Operator : JC/SP
 Sample : K2241-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 23:04:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69216	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	372739	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	308540	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	160863	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	12.40	95	128011	26.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.83%
63) Toluene-d8	10.09	98	458740	31.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	11015	2.706 ug/l	94
3) Chloromethane	2.06	50	15968	2.904 ug/l	95
4) Vinyl Chloride	2.19	62	12917	2.716 ug/l	99
5) Bromomethane	2.56	94	8600	3.126 ug/l	97
6) Chloroethane	2.71	64	6863	2.577 ug/l	92
7) Trichlorofluoromethane	3.02	101	16666	2.743 ug/l	90
8) Diethyl Ether	3.41	74	6216	3.186 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	9013	2.713 ug/l	87
10) 1,1-Dichloroethene	3.73	96	8327	2.711 ug/l	88
11) Methyl Iodide	3.94	142	11589	2.493 ug/l	97
12) Methyl Acetate	4.33	43	6110	1.617 ug/l	92
13) Acrolein	3.61	56	5037	15.214 ug/l	87
14) Acrylonitrile	5.00	53	20411	13.188 ug/l #	86
15) Acetone	3.82	58	5059	13.210 ug/l	83
16) Carbon Disulfide	4.04	76	26320	2.555 ug/l	98
17) Allyl chloride	4.31	41	19636	2.596 ug/l	95
18) Methylene Chloride	4.55	84	14028	3.090 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	11054	2.765 ug/l	89
20) Diisopropyl ether	5.95	45	39226	2.560 ug/l	92
21) 1,1-Dichloroethane	5.84	63	21951	2.682 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	12693	2.731 ug/l #	90
23) tert-Butyl Alcohol	4.82	59	2377	9.632 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	28050	2.720 ug/l #	90
25) Chloroform	7.37	83	20794	2.653 ug/l	94
26) Cyclohexane	7.65	56	19474	2.565 ug/l #	98
29) 1,1-Dichloropropene	7.79	75	14289	2.462 ug/l	94
30) 2-Butanone	6.85	43	25297	13.128 ug/l #	94
31) 2,2-Dichloropropane	6.82	77	8595	1.609 ug/l #	100
32) 1,1,1-Trichloroethane	7.57	97	16726	2.726 ug/l	96
33) Carbon Tetrachloride	7.77	117	13227	2.490 ug/l	96
34) Benzene	8.04	78	44205	2.570 ug/l #	9
35) Methacrylonitrile	7.19	41	6581	2.898 ug/l	91
36) 1,2-Dichloroethane	8.13	62	17273	2.938 ug/l #	83
37) Trichloroethene	8.83	130	11876	2.708 ug/l	100
38) Methylcyclohexane	9.08	83	16919	2.513 ug/l	97
39) 1,2-Dichloropropane	9.12	63	13621	2.868 ug/l	94
40) Dibromomethane	9.21	93	7340	2.734 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	14252	2.572	ug/l	96
42) Vinyl Acetate	5.90	43	120995	12.420	ug/l	100
43) Ethyl Acetate	6.94	43	11688	2.977	ug/l #	70
44) Isopropyl Acetate	8.17	43	17556	2.639	ug/l	94
45) 1,4-Dioxane	9.20	88	1064	28.869	ug/l #	27
46) Methyl methacrylate	9.20	41	7645	2.221	ug/l	93
47) n-amyl Acetate	12.07	43	9548	1.949	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	10984	2.159	ug/l #	87
49) cis-1,3-Dichloropropene	9.84	75	13852	2.205	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	10460	2.868	ug/l	89
51) Ethyl methacrylate	10.43	69	10947	2.518	ug/l	95
52) 1,3-Dichloropropane	10.71	76	17739	2.776	ug/l	99
53) Dibromochloromethane	10.90	129	8909	2.372	ug/l	97
54) 1,2-Dibromoethane	11.00	107	8496	2.482	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	20288	11.164	ug/l	99
56) Bromoform	12.12	173	4797	2.032	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	50534	14.202	ug/l	98
59) 2-Hexanone	10.75	43	31026	13.726	ug/l	99
61) Tetrachloroethene	10.63	164	11282	2.810	ug/l	97
62) Toluene	10.16	91	48668	2.863	ug/l	98
64) Chlorobenzene	11.43	112	28611	2.788	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	9624	2.637	ug/l	91
66) Ethyl Benzene	11.51	91	47937	2.630	ug/l	99
67) m/p-Xylenes	11.62	106	33890	5.003	ug/l	93
68) o-Xylene	11.95	106	17205	2.570	ug/l	100
69) Styrene	11.96	104	23945	2.304	ug/l	98
70) Isopropylbenzene	12.25	105	43994	2.458	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.50	83	12086	2.952	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	13176	3.897	ug/l	53
73) Bromobenzene	12.53	156	10920	2.581	ug/l	96
74) n-propylbenzene	12.59	91	44272	2.210	ug/l	99
75) 2-Chlorotoluene	12.67	91	29808	2.467	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	34649	2.395	ug/l	98
77) t-1,4-Dichloro-2-butene	12.31	75	1843	2.163	ug/l	95
78) 4-Chlorotoluene	12.77	91	24764	2.151	ug/l	97
79) tert-butylbenzene	12.99	119	31466	2.513	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	31155	2.192	ug/l	98
81) sec-Butylbenzene	13.17	105	38006	2.272	ug/l	99
82) p-Isopropyltoluene	13.29	119	30412	2.154	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	15130	2.138	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	12798	1.903	ug/l	96
85) n-Butylbenzene	13.61	91	20045	1.782	ug/l	98
86) Hexachloroethane	13.87	117	4977	2.202	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	15237	2.198	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	581	1.068	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.91	180	4408	1.423	ug/l	99
90) Hexachlorobutadiene	15.01	225	5746	2.543	ug/l	96
91) Naphthalene	15.13	128	10326	1.591	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	5642	1.821	ug/l	92

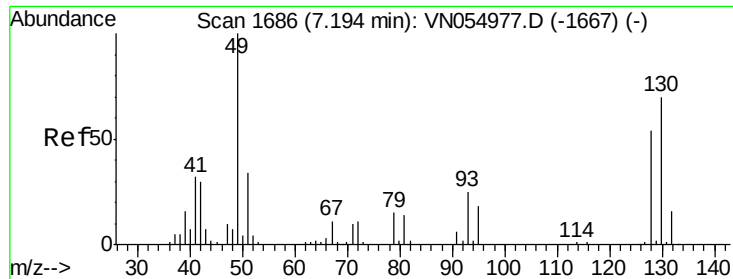
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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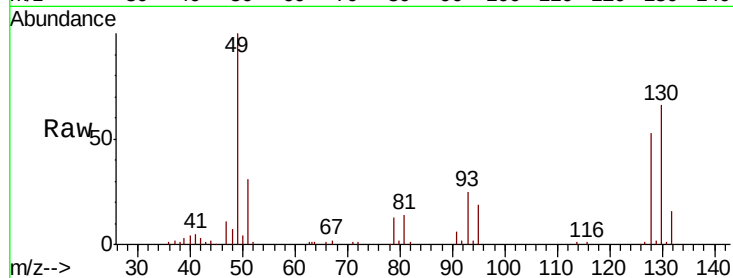
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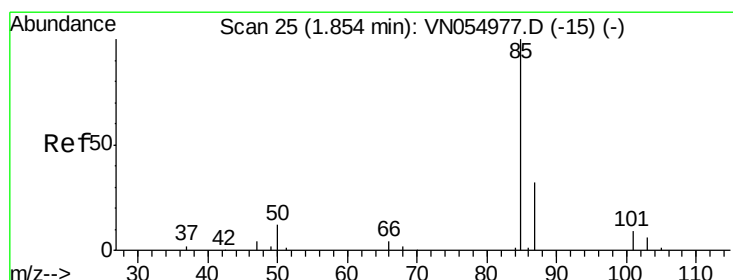
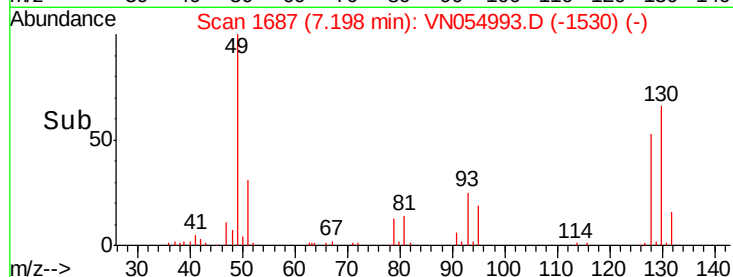
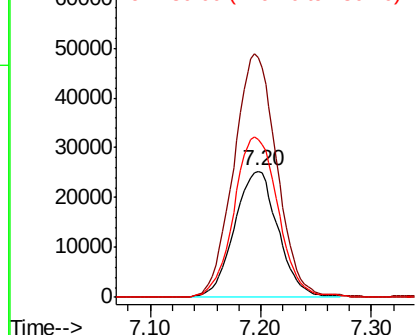
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 69216
Ion Ratio Lower Upper
128 100
49 190.9 0.0 480.3
130 128.9 0.0 322.2

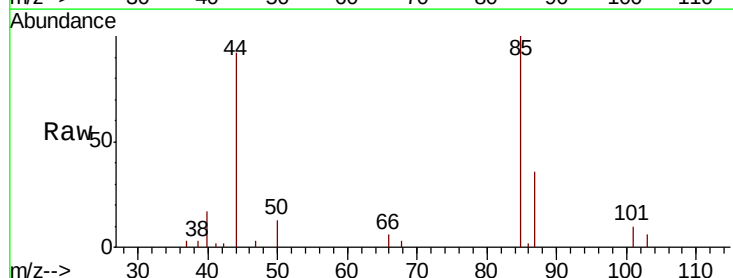


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

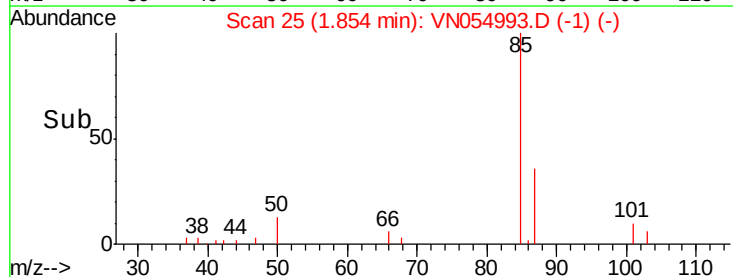
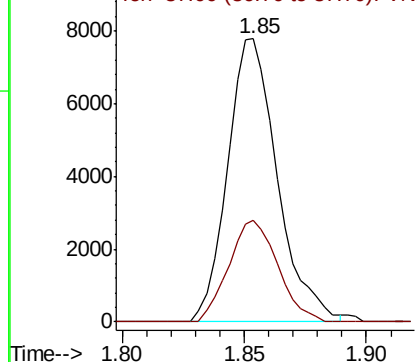


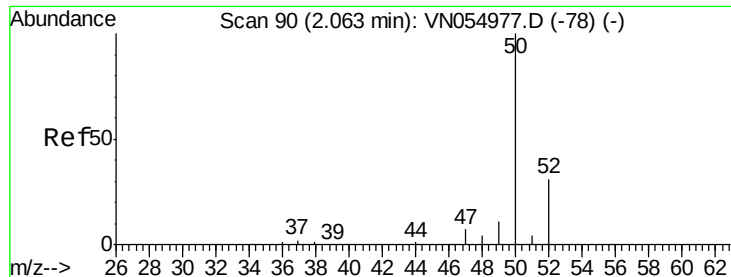
#2
Dichlorodifluoromethane
Concen: 2.706 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 85 Resp: 11015
Ion Ratio Lower Upper
85 100
87 35.8 16.1 48.3



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





#3

Chloromethane

Concen: 2.904 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

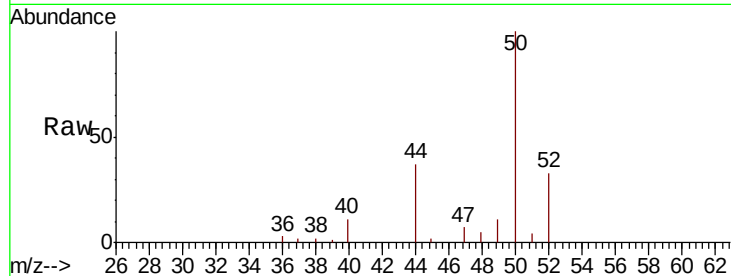
ClientSampled :

Tot Ion: 50 Resp: 15968

Ion Ratio Lower Upper

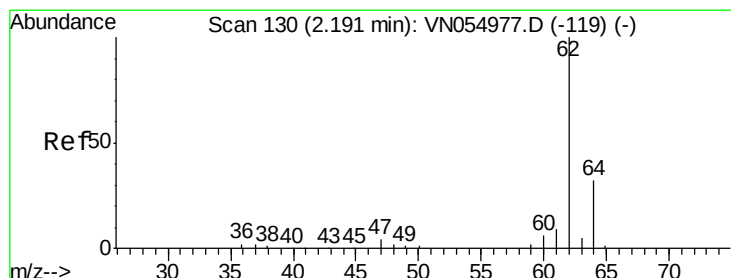
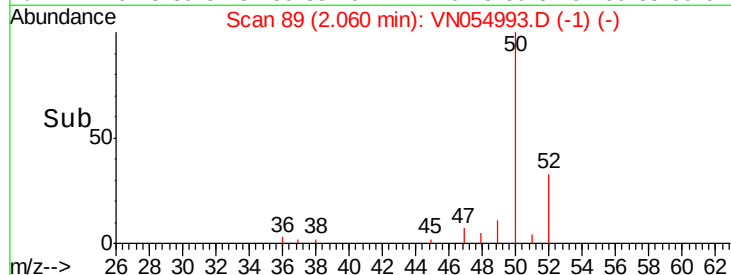
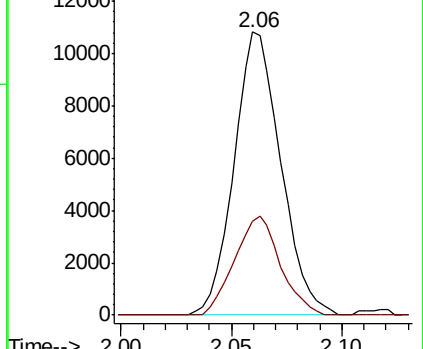
50 100

52 33.4 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 2.716 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054993.D

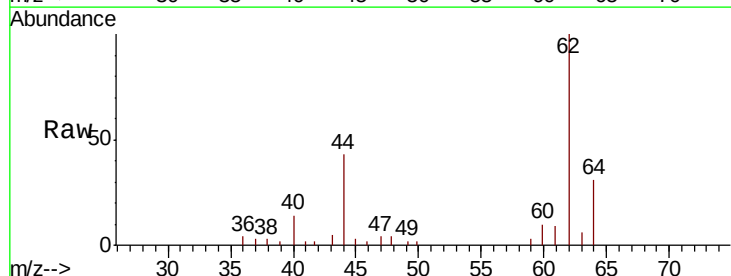
Acq: 12 Apr 2019 12:09

Tgt Ion: 62 Resp: 12917

Ion Ratio Lower Upper

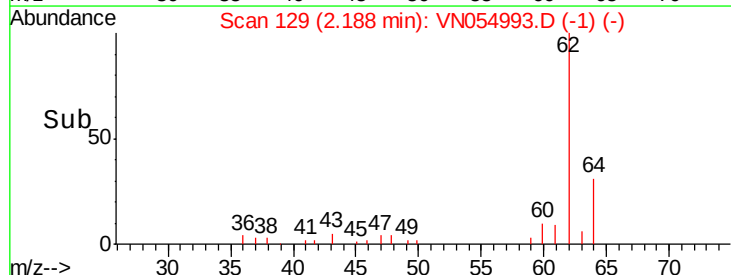
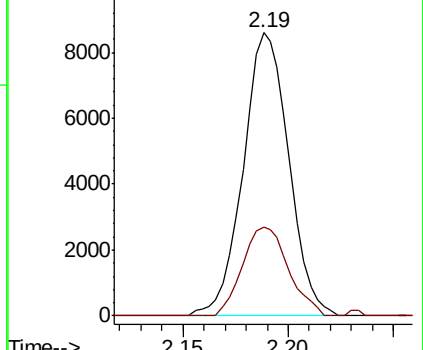
62 100

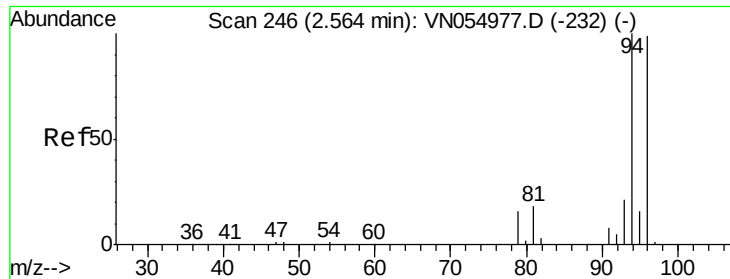
64 31.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

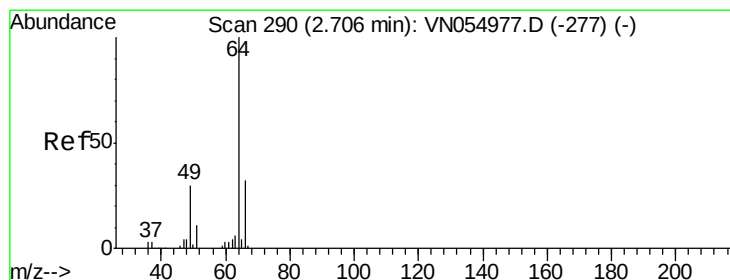
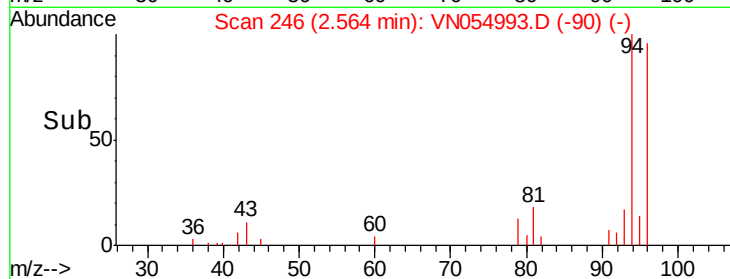
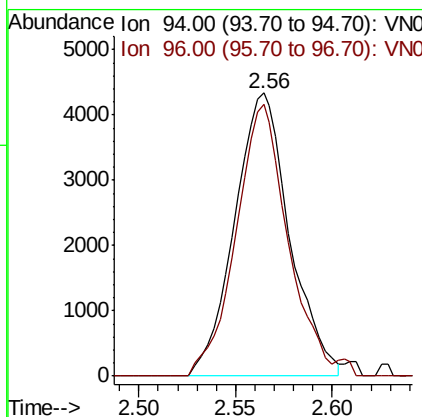
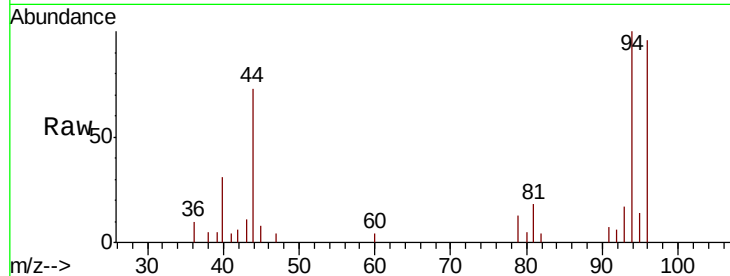




#5
Bromomethane
Concen: 3.126 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

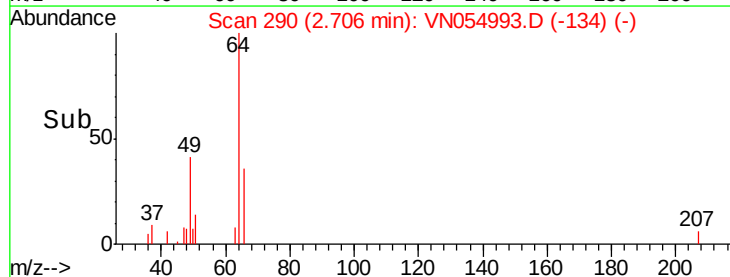
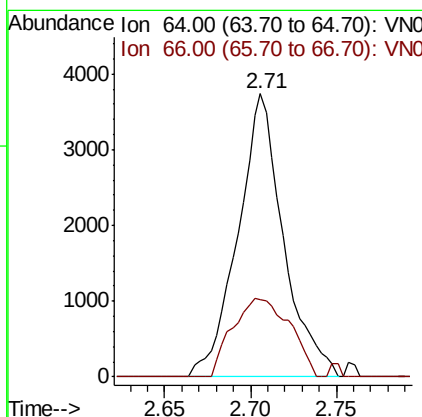
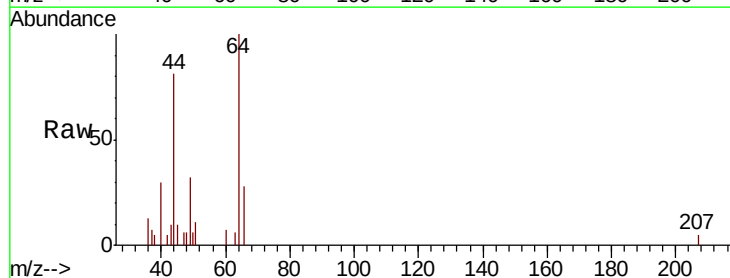
Instrument :
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ClientSampleId :

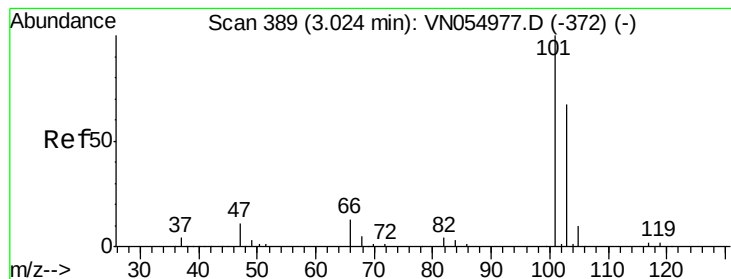
Tot Ion: 94 Resp: 8600
Ion Ratio Lower Upper
94 100
96 95.9 79.1 118.7



#6
Chloroethane
Concen: 2.577 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 64 Resp: 6863
Ion Ratio Lower Upper
64 100
66 27.5 25.7 38.5



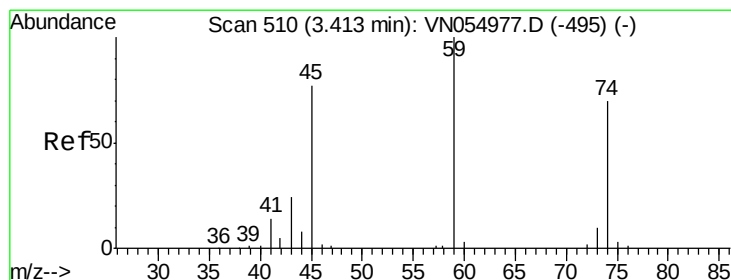
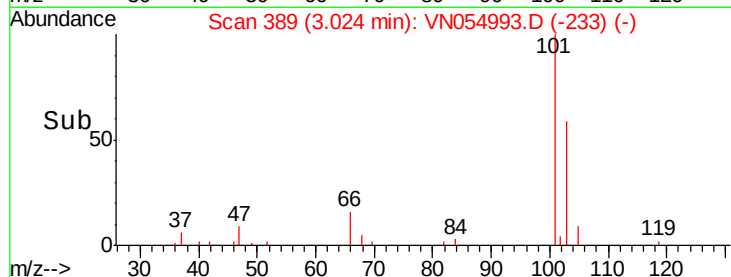
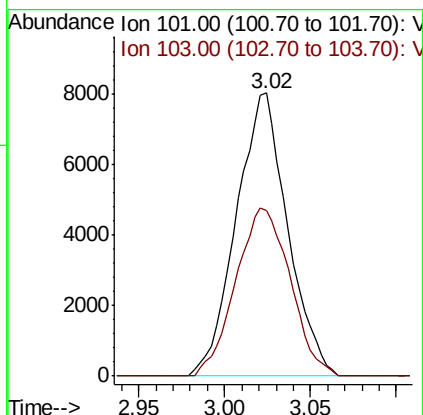
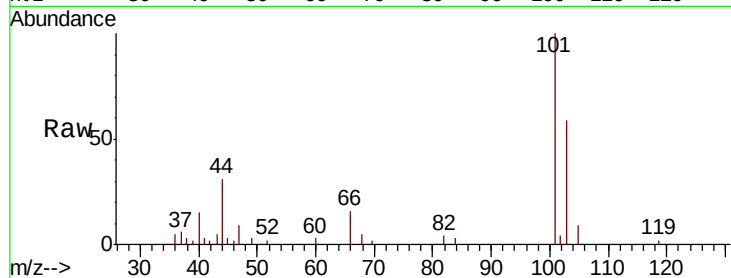


#7

Trichlorofluoromethane
Concen: 2.743 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampled :

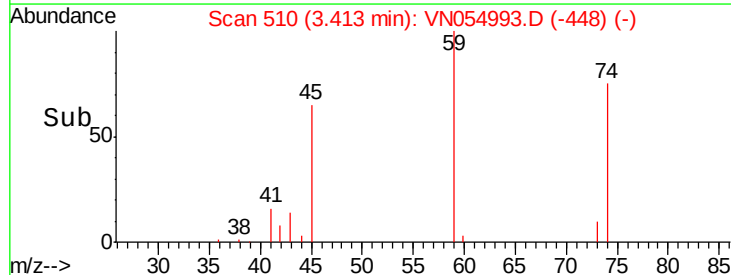
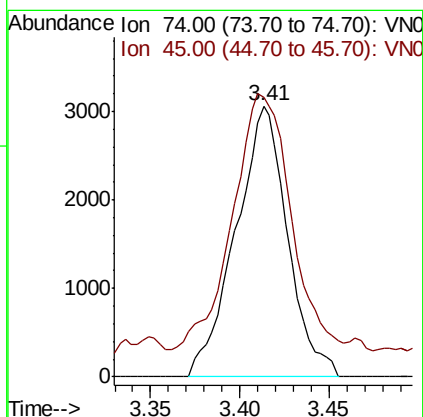
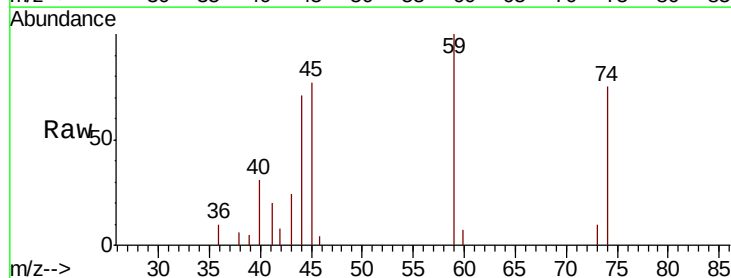
Tot Ion:101 Resp: 16666
Ion Ratio Lower Upper
101 100
103 58.6 53.4 80.0

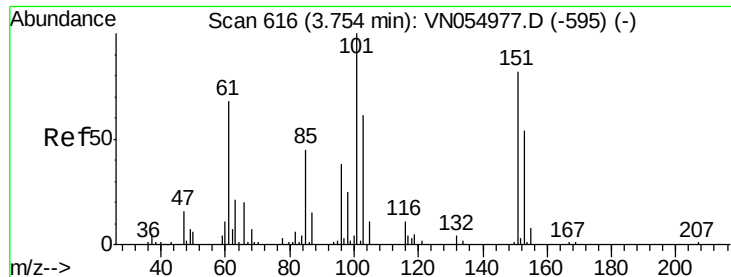


#8

Diethyl Ether
Concen: 3.186 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 74 Resp: 6216
Ion Ratio Lower Upper
74 100
45 107.6 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.713 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

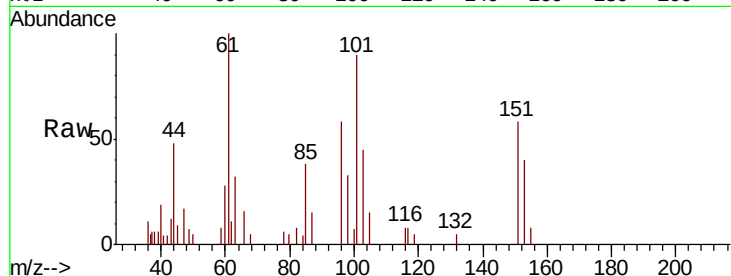
Tot Ion:101 Resp: 9013

Ion Ratio Lower Upper

101 100

85 26.2 0.0 91.4

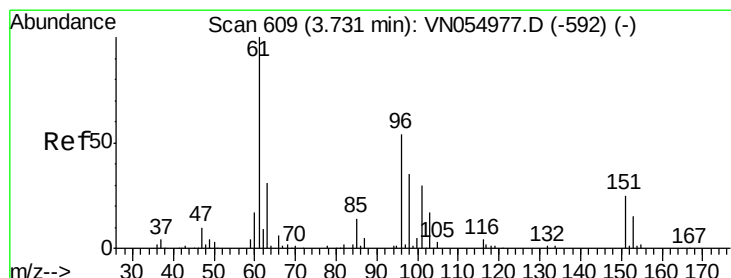
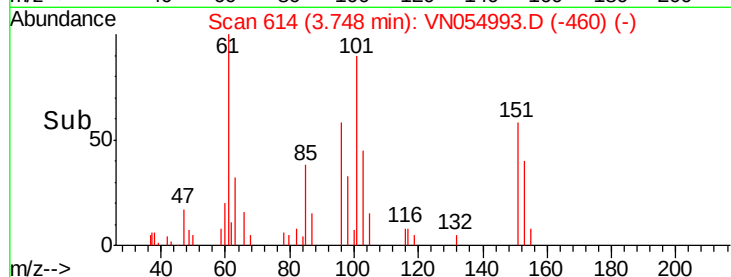
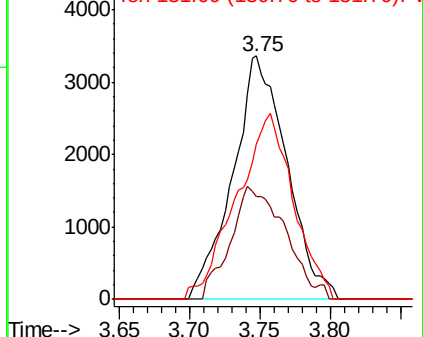
151 78.8 0.0 165.6



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: 2.711 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

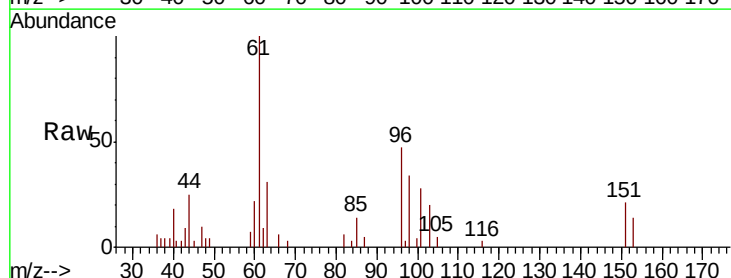
Tgt Ion: 96 Resp: 8327

Ion Ratio Lower Upper

96 100

61 203.6 148.4 222.6

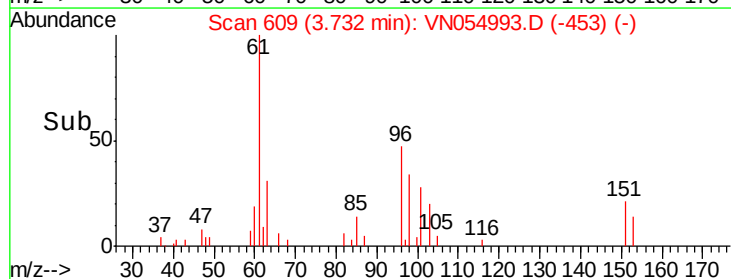
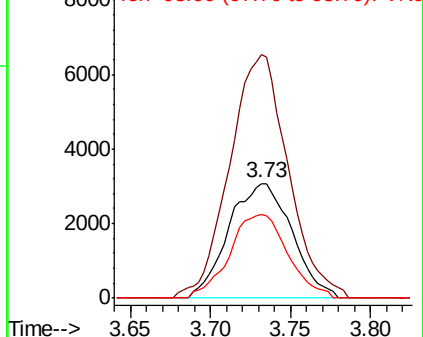
98 72.6 52.2 78.2

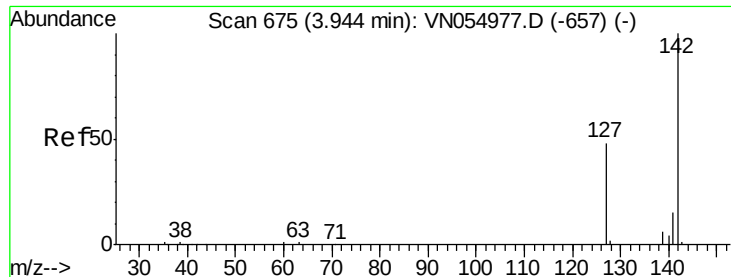


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

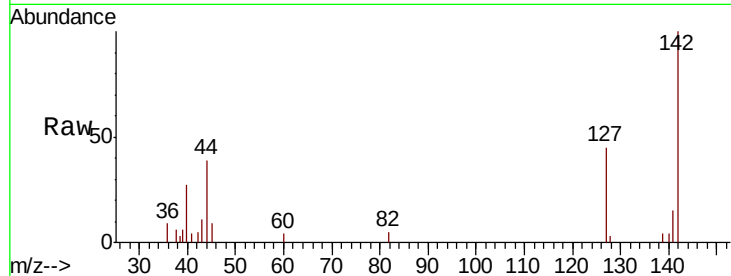




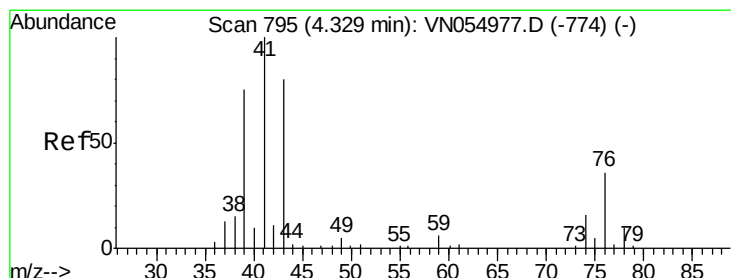
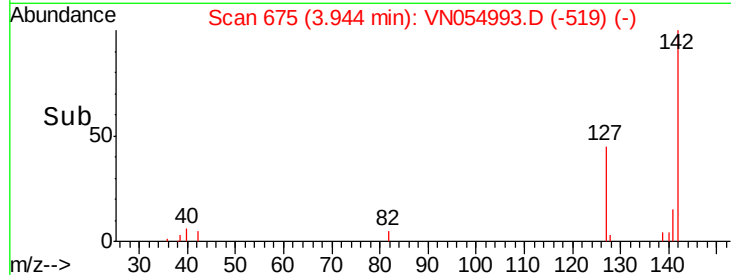
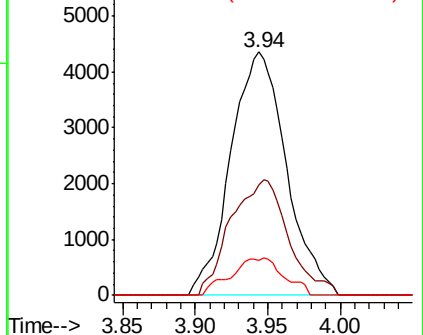
#11
Methvl Iodide
Concen: 2.493 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 11589
Ion Ratio Lower Upper
142 100
127 45.2 23.8 71.5
141 14.6 7.3 22.0

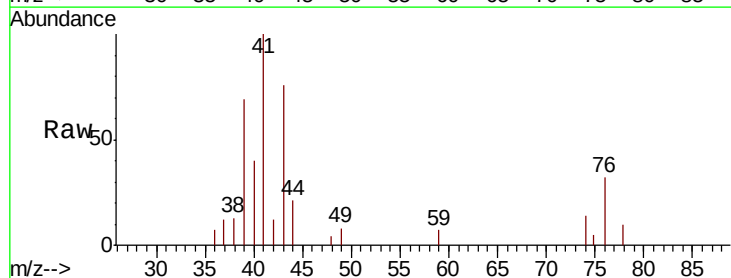


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

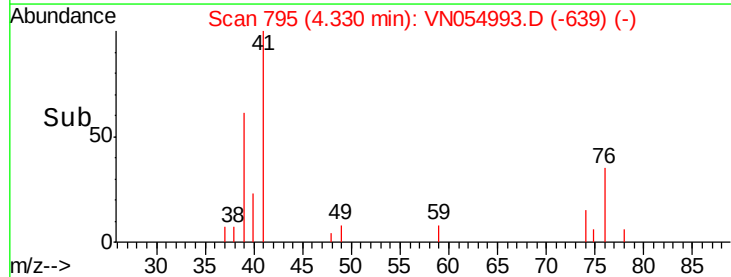
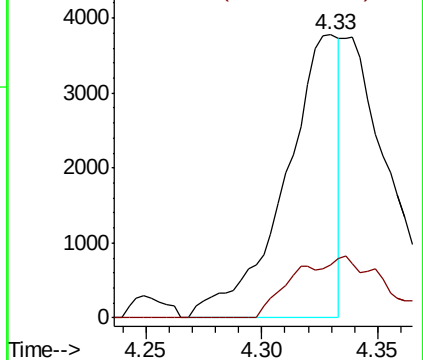


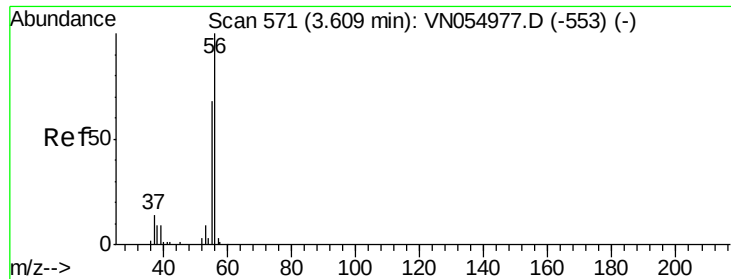
#12
Methyl Acetate
Concen: 1.617 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 43 Resp: 6110
Ion Ratio Lower Upper
43 100
74 16.6 16.2 24.4



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





#13

Acrolein

Concen: 15.214 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

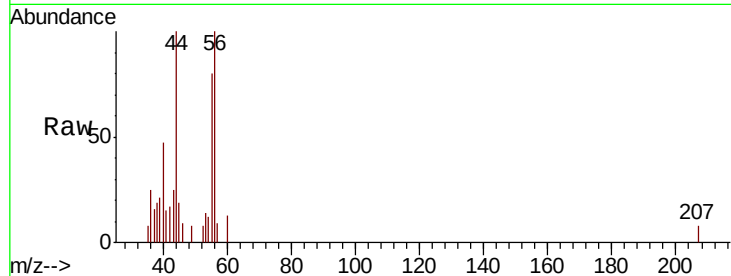
ClientSampled :

Tot Ion: 56 Resp: 5037

Ion Ratio Lower Upper

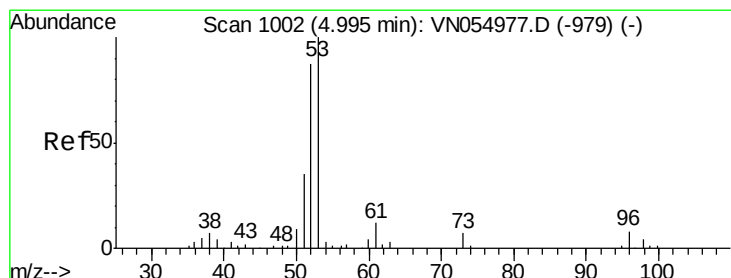
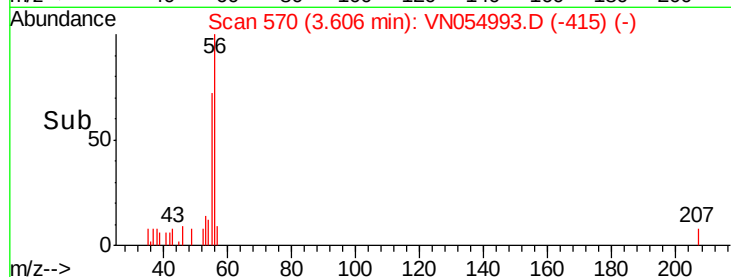
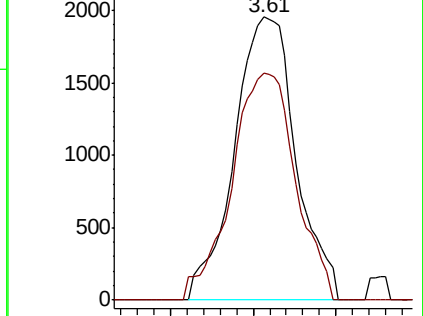
56 100

55 82.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 13.188 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

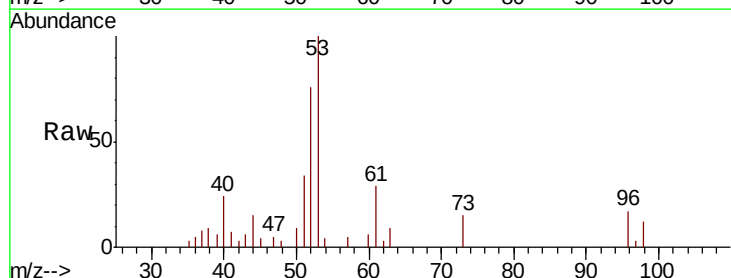
Tgt Ion: 53 Resp: 20411

Ion Ratio Lower Upper

53 100

52 81.0 42.3 126.8

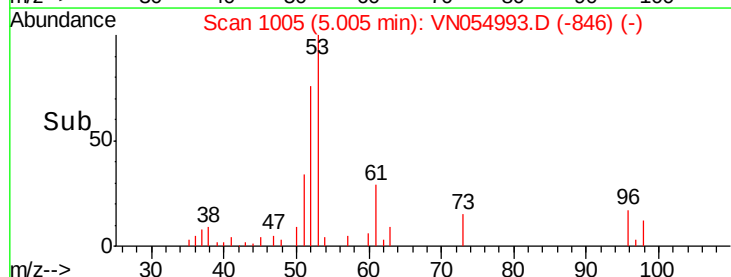
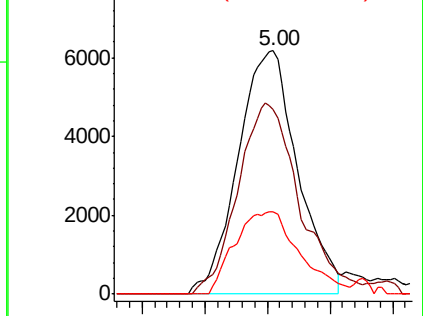
51 16.0 18.6 56.0#

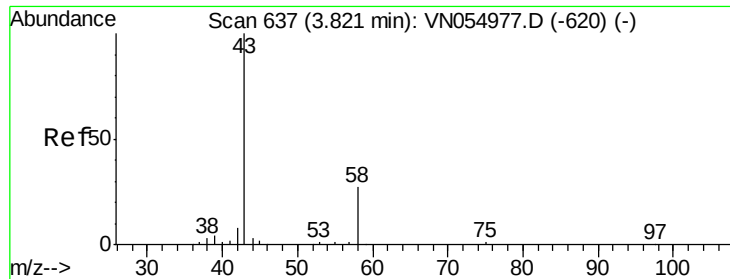


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 13.210 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

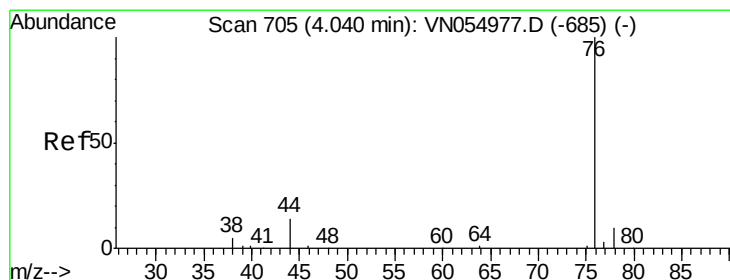
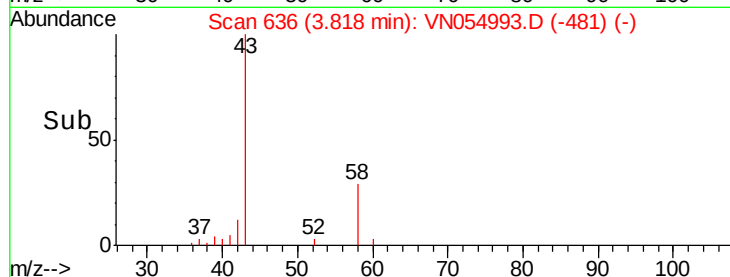
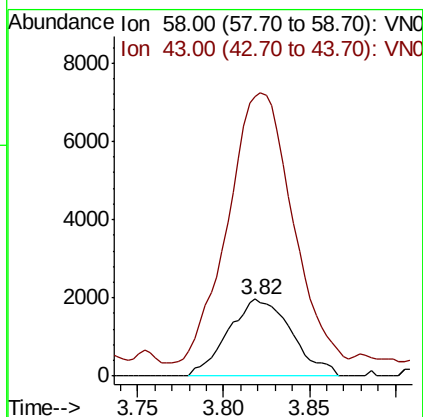
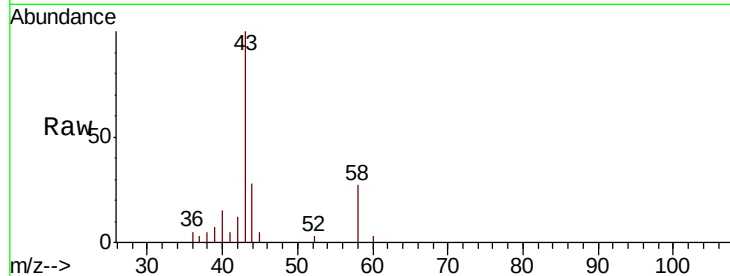
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 5059

Ion Ratio Lower Upper

58 100

43 332.4 297.2 445.8



#16

Carbon Disulfide

Concen: 2.555 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054993.D

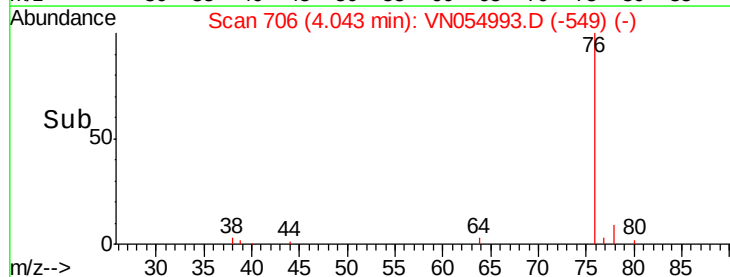
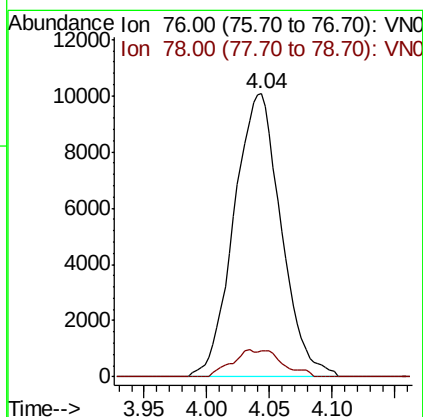
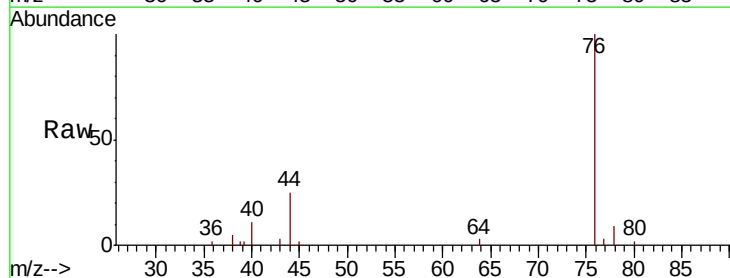
Acq: 12 Apr 2019 12:09

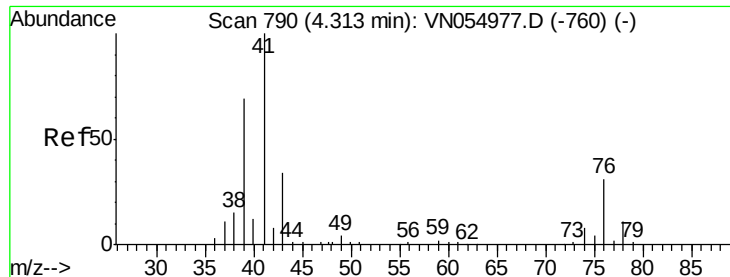
Tgt Ion: 76 Resp: 26320

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6

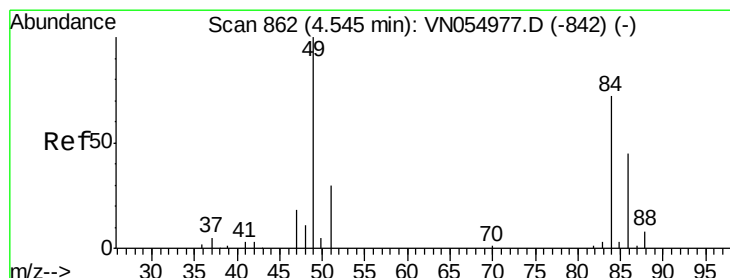
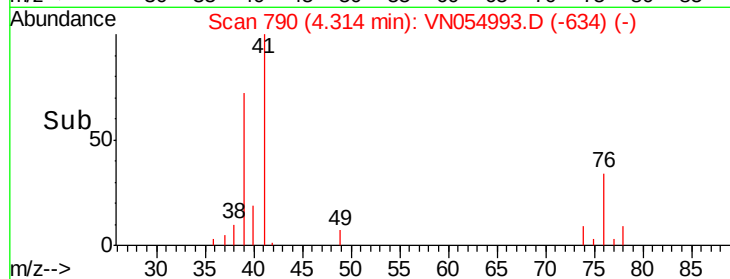
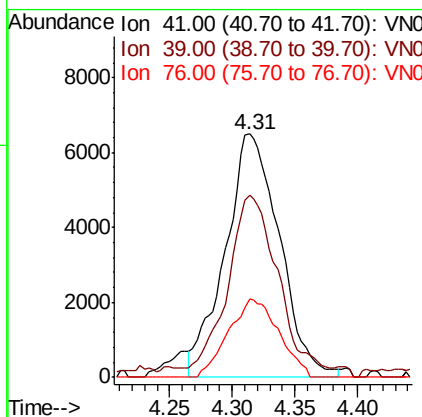
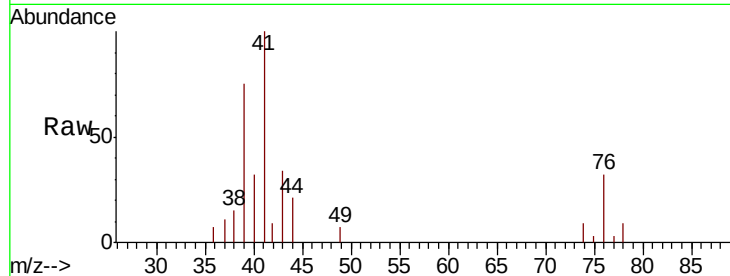




#17
Allvl chloride
Concen: 2.596 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

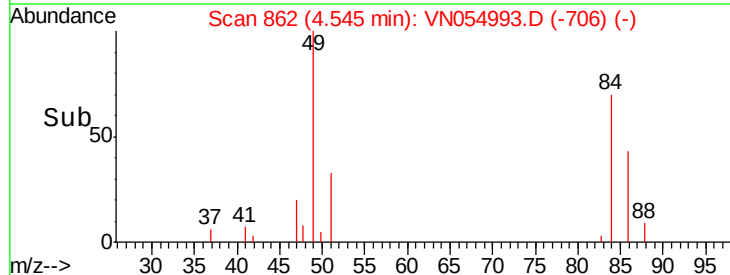
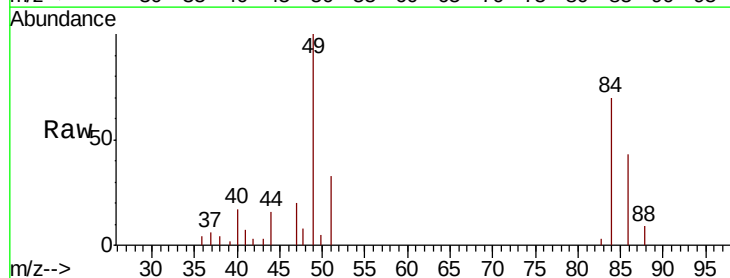
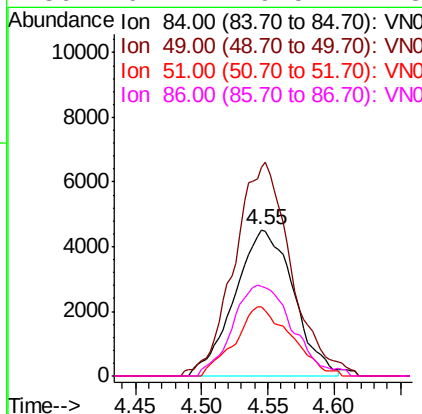
Instrument :
MSVOA_N
ClientSampleId :

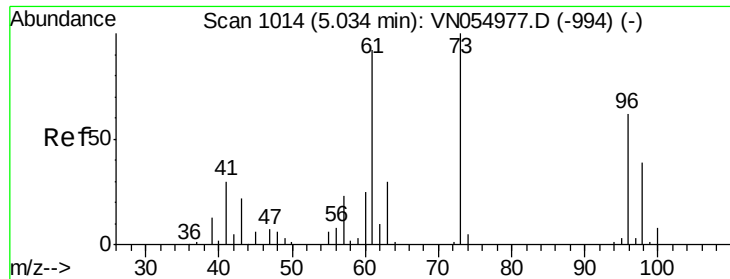
Tot Ion: 41 Resp: 19636
Ion Ratio Lower Upper
41 100
39 73.3 34.3 102.9
76 33.3 15.8 47.3



#18
Methylene Chloride
Concen: 3.090 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 84 Resp: 14028
Ion Ratio Lower Upper
84 100
49 138.5 111.0 166.4
51 46.9 33.4 50.2
86 61.4 49.5 74.3

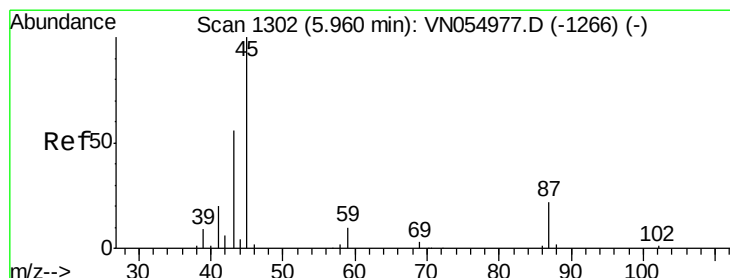
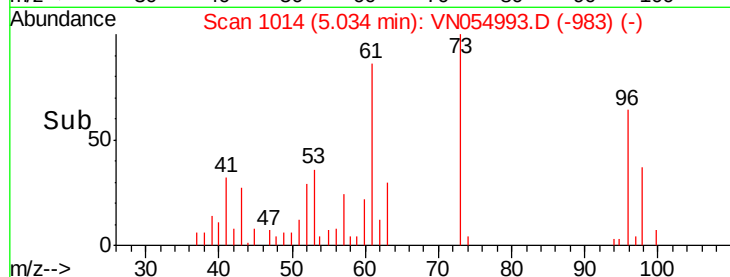
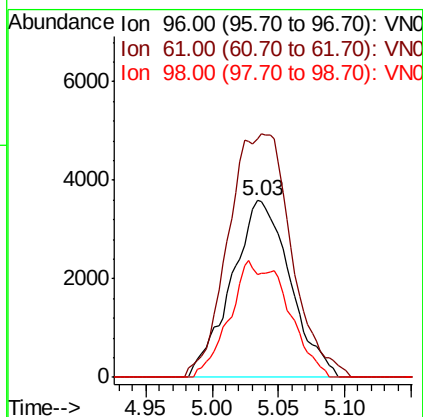
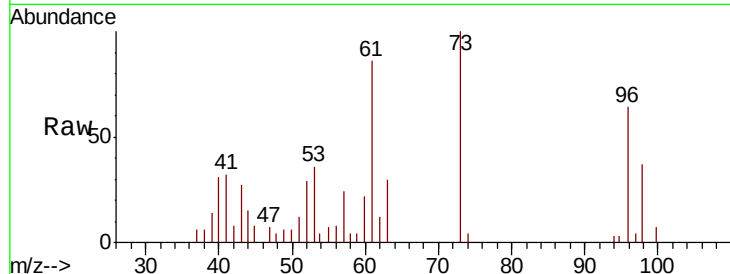




#19
trans-1,2-Dichloroethene
Concen: 2.765 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

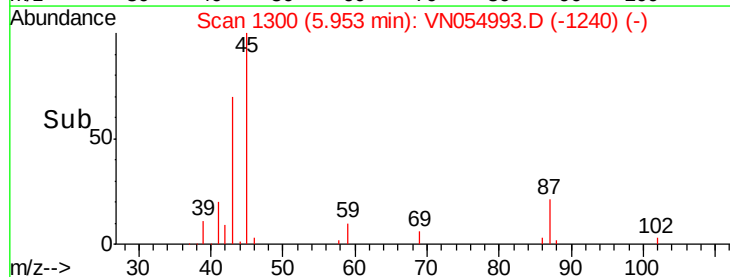
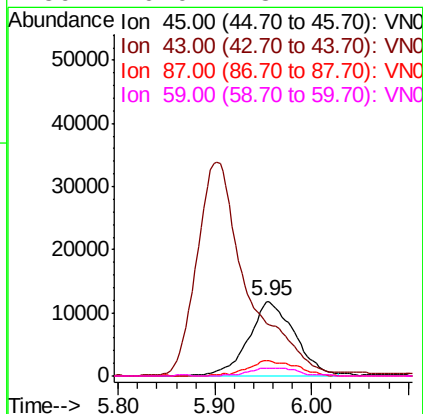
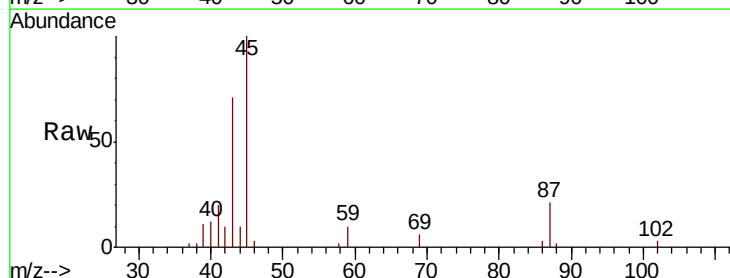
Instrument :
MSVOA_N
ClientSampleId :

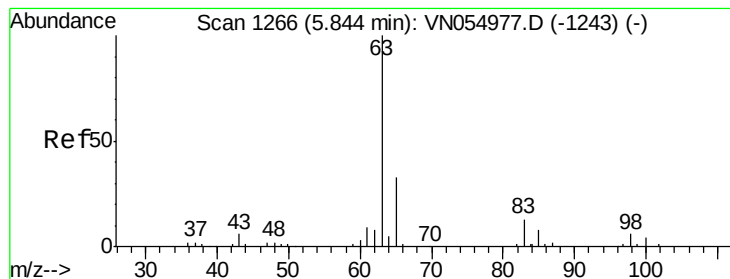
Tot Ion: 96 Resp: 11054
Ion Ratio Lower Upper
96 100
61 129.9 117.2 175.8
98 58.5 49.4 74.2



#20
Diisopropyl ether
Concen: 2.560 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 45 Resp: 39226
Ion Ratio Lower Upper
45 100
43 65.8 45.8 68.8
87 20.9 18.2 27.4
59 10.0 8.2 12.2





#21

1,1-Dichloroethane

Concen: 2.682 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

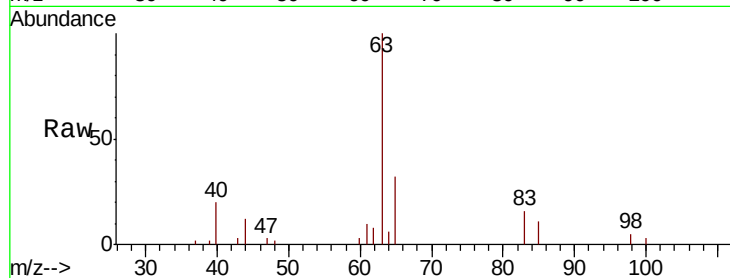
Tot Ion: 63 Resp: 21951

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.7

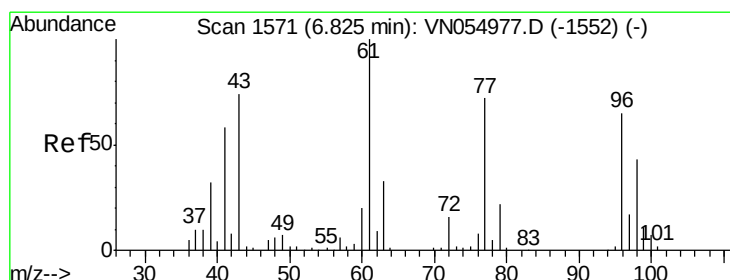
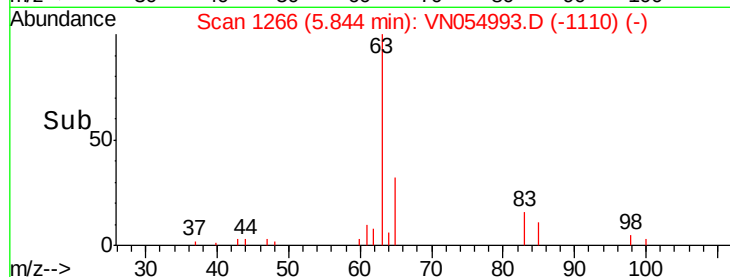
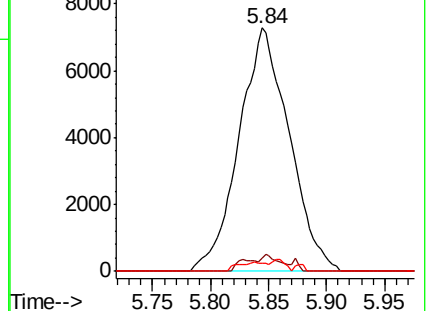
100 3.1 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.731 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

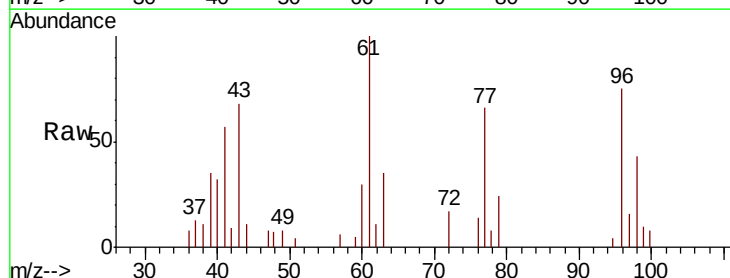
Tgt Ion: 96 Resp: 12693

Ion Ratio Lower Upper

96 100

61 152.7 125.0 187.6

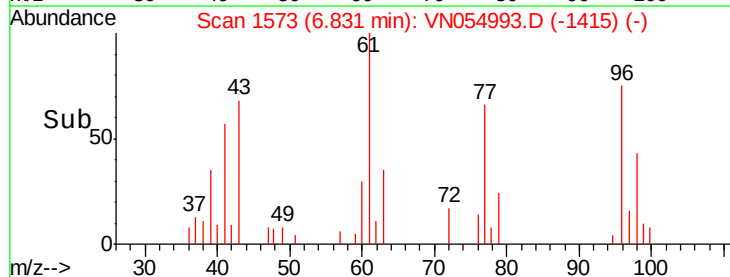
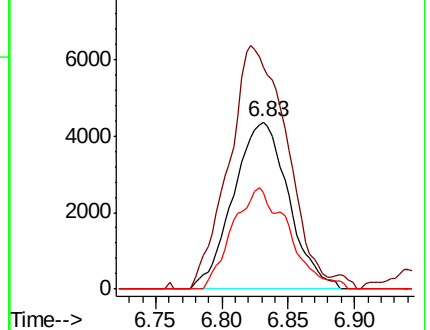
98 43.6 52.2 78.2#

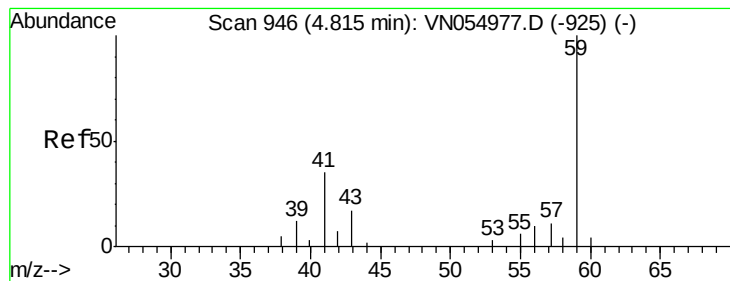


Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)



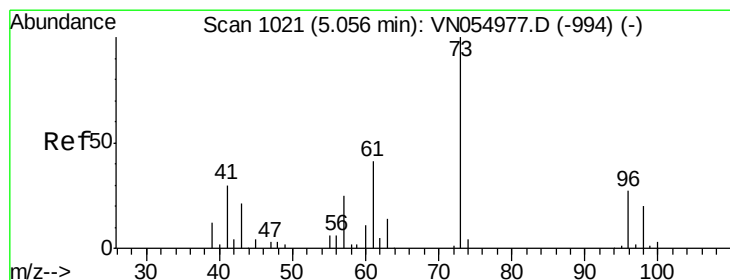
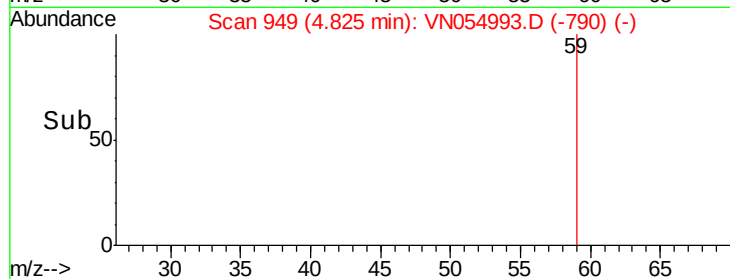
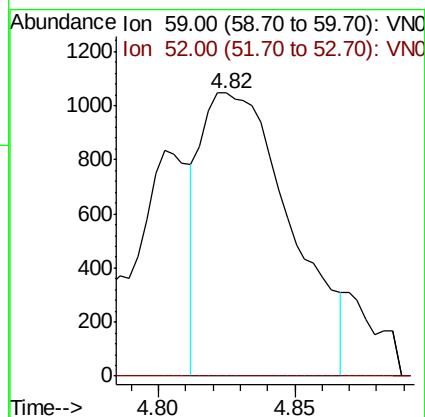
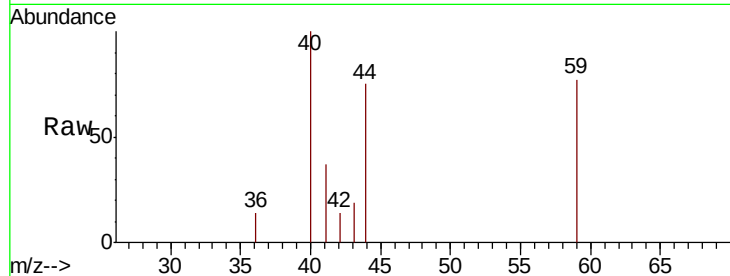


#23

tert-Butyl Alcohol
 Concen: 9.632 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampled :

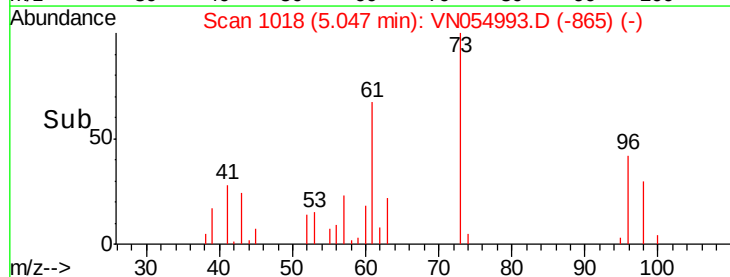
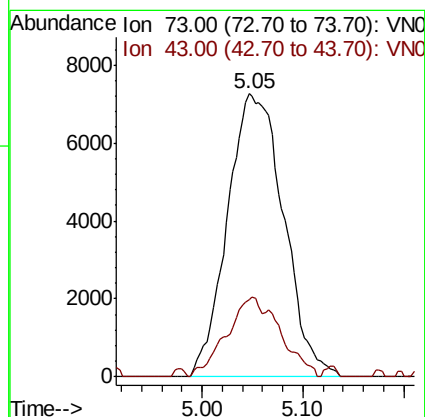
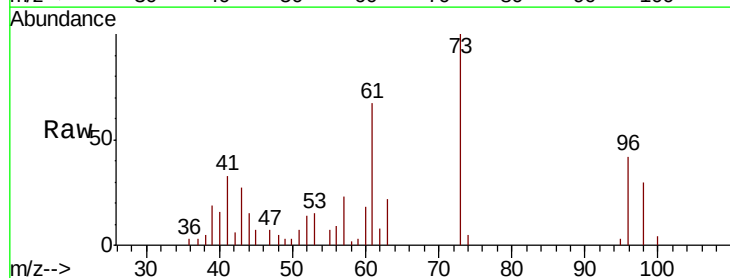
Tot Ion: 59 Resp: 2377
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

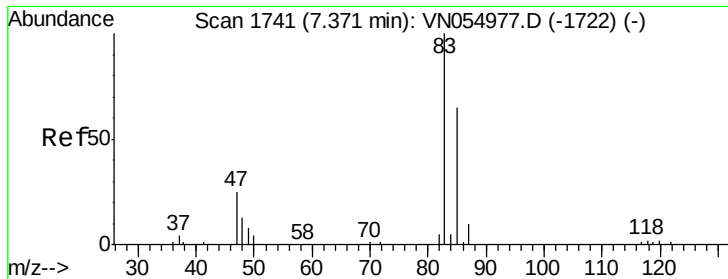


#24

Methyl tert-Butyl Ether
 Concen: 2.720 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 73 Resp: 28050
 Ion Ratio Lower Upper
 73 100
 43 13.7 8.0 12.0#

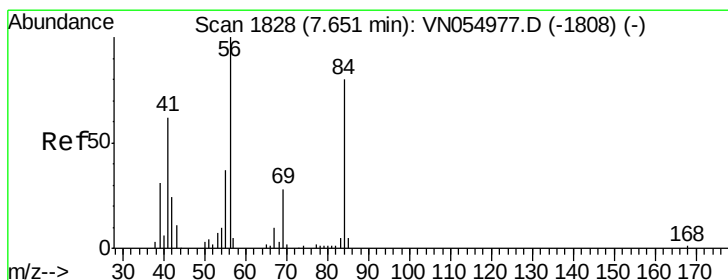
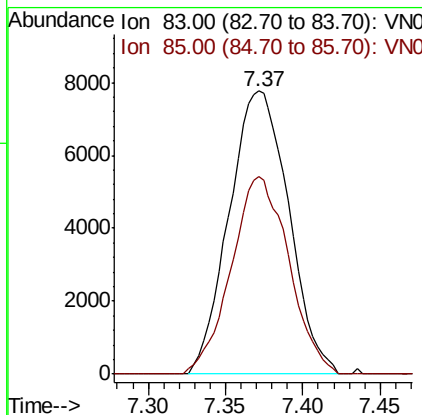
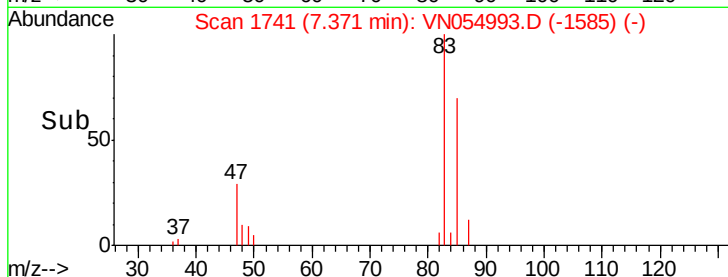
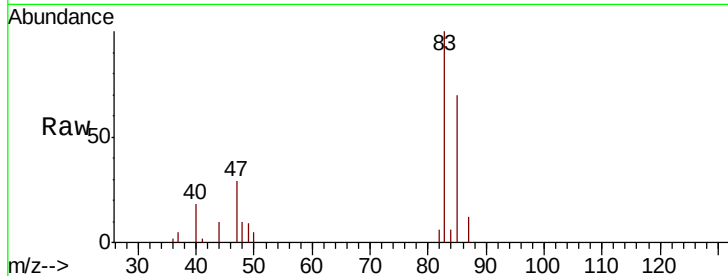




#25
Chloroform
Concen: 2.653 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

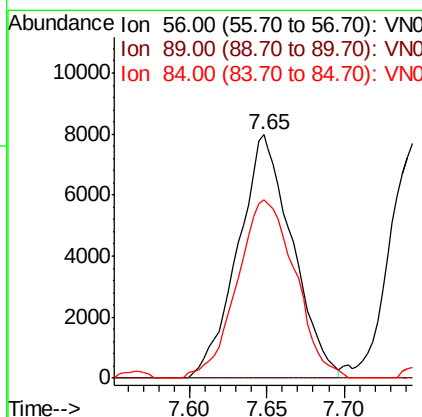
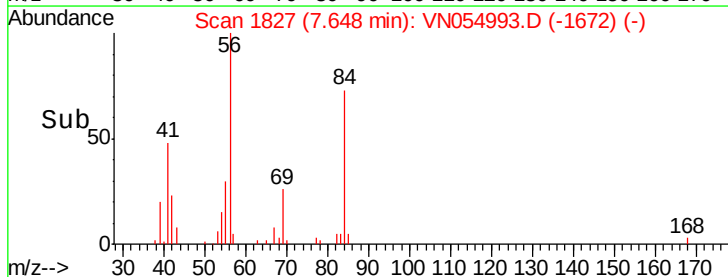
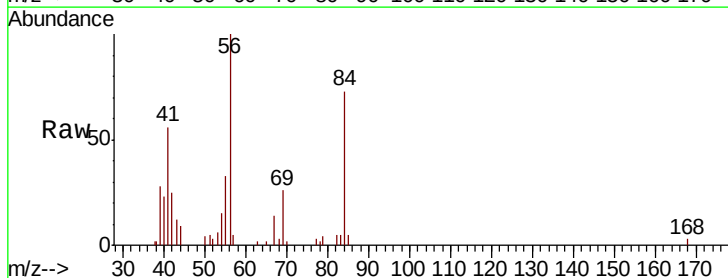
Instrument :
MSVOA_N
ClientSampled :

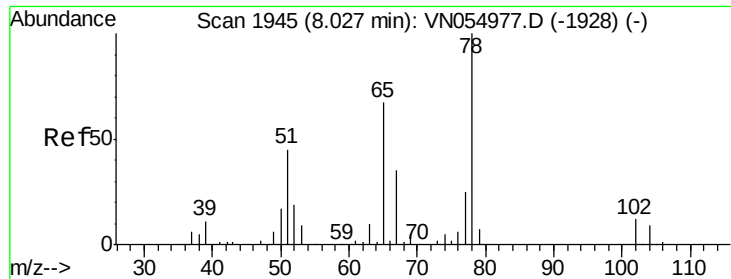
Tot Ion: 83 Resp: 20794
Ion Ratio Lower Upper
83 100
85 69.9 51.8 77.8



#26
Cyclohexane
Concen: 2.565 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 56 Resp: 19474
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.1 63.5 95.3

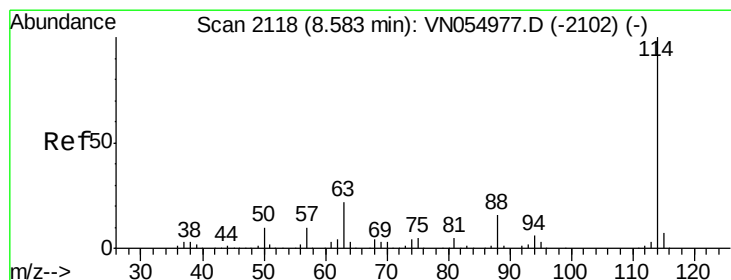
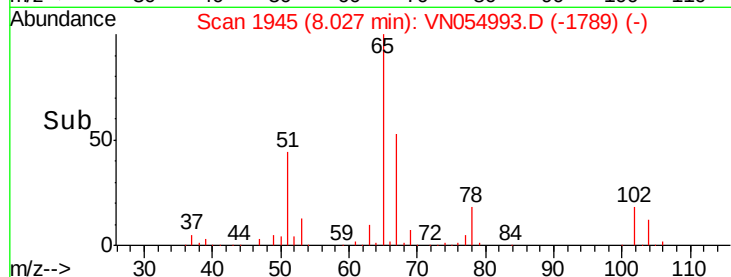
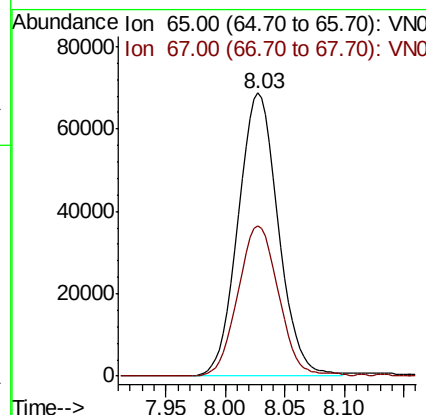
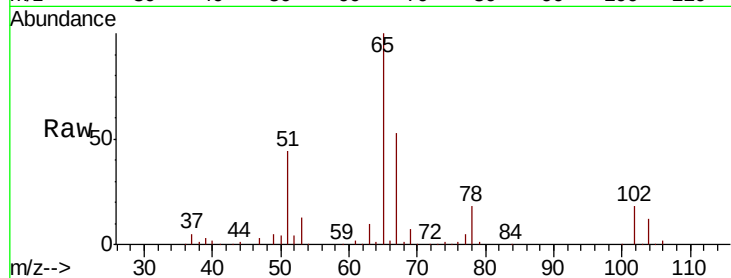




#27
 1,2-Dichloroethane-d4
 Concen: 2.565 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

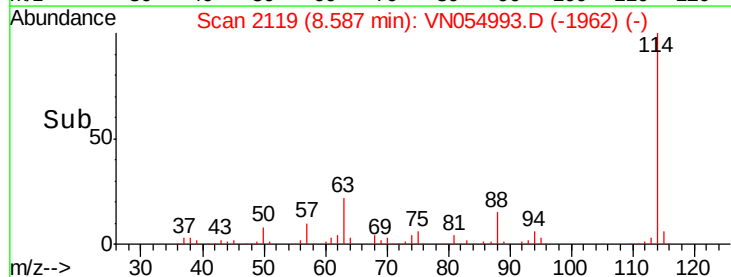
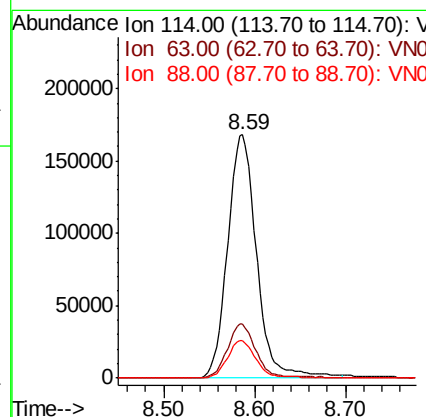
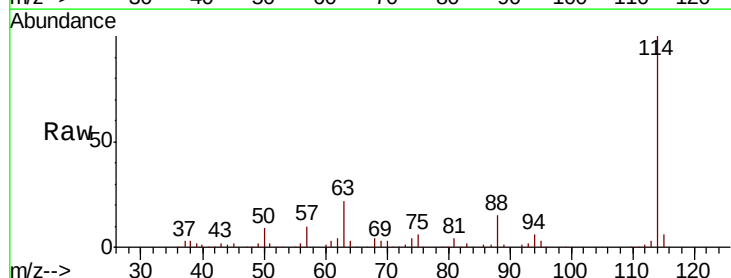
Instrument :
 MSVOA_N
 ClientSampled :

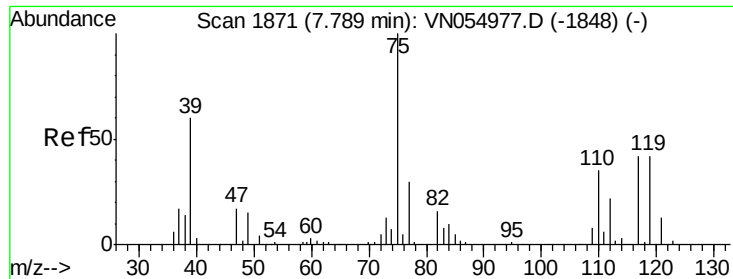
Tot Ion: 65 Resp: 160863
 Ion Ratio Lower Upper
 65 100
 67 53.6 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 114 Resp: 372739
 Ion Ratio Lower Upper
 114 100
 63 21.6 17.0 25.4
 88 14.7 12.3 18.5

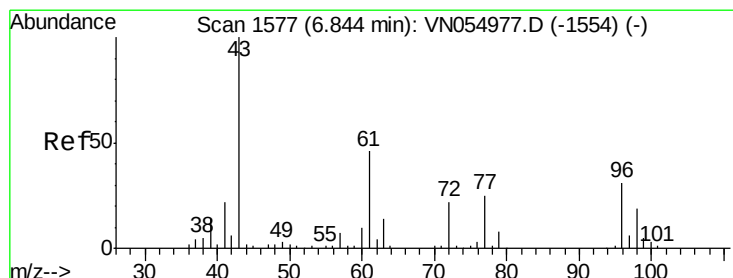
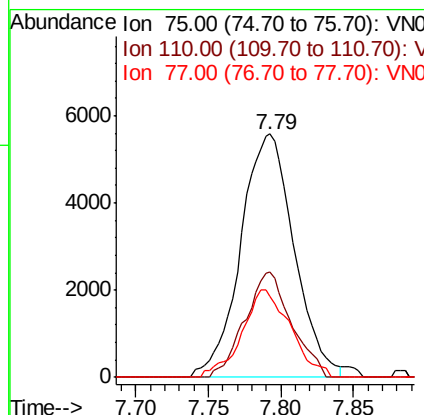
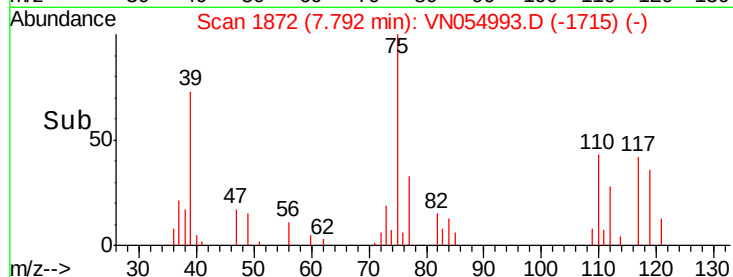
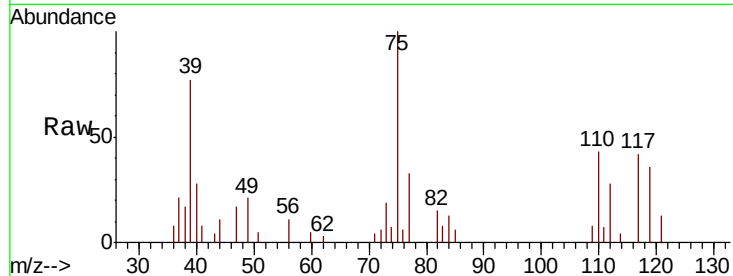




#29
 1,1-Dichloropropene
 Concen: 2.462 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

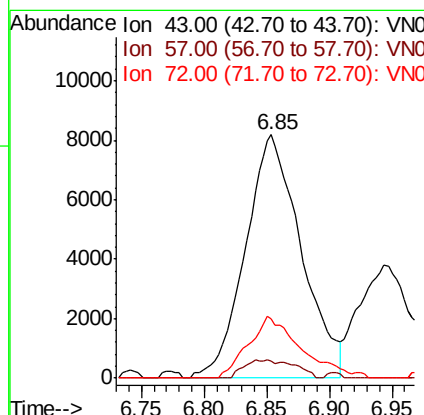
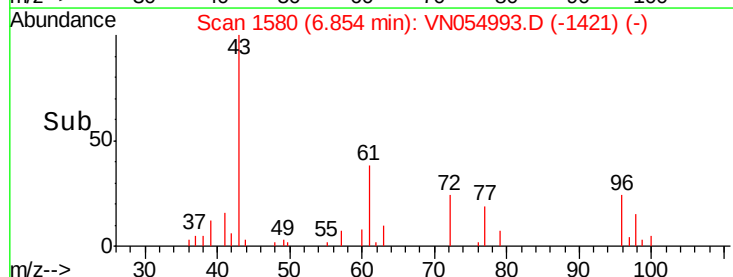
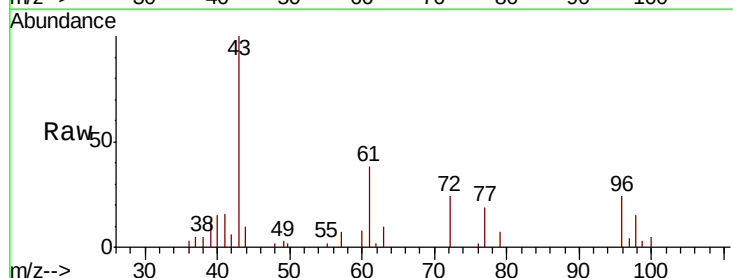
Instrument :
 MSVOA_N
 ClientSampleId :

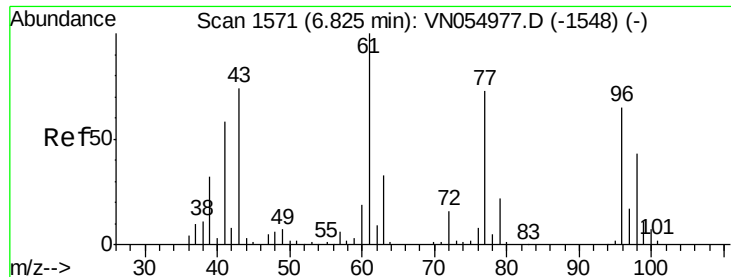
Tot Ion: 75 Resp: 14289
 Ion Ratio Lower Upper
 75 100
 110 37.6 0.0 68.4
 77 32.6 0.0 58.6



#30
 2-Butanone
 Concen: 13.128 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 43 Resp: 25297
 Ion Ratio Lower Upper
 43 100
 57 2.8 6.0 9.0#
 72 21.5 18.6 27.8

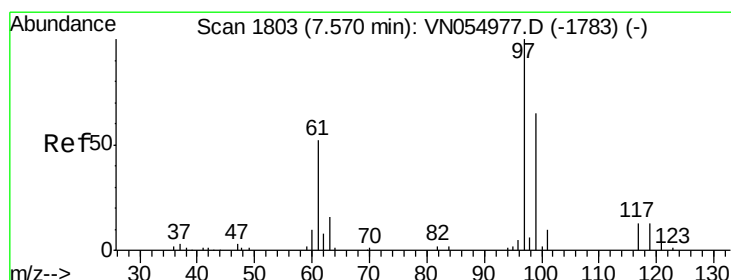
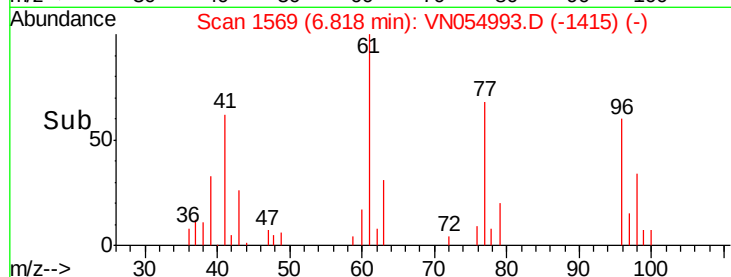
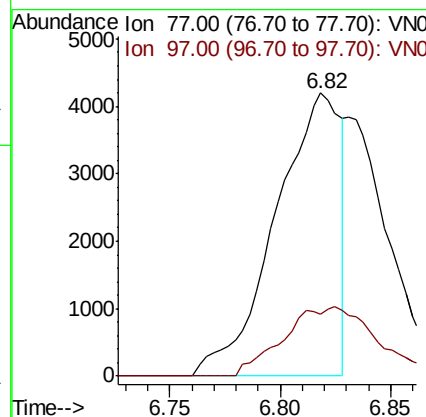
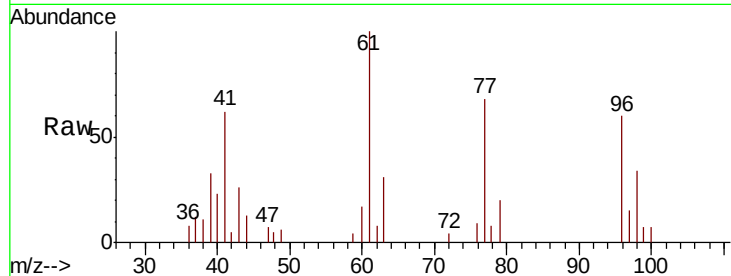




#31
 2,2-Dichloropropane
 Concen: 1.609 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

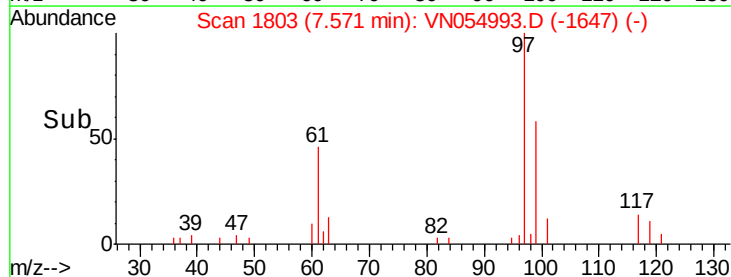
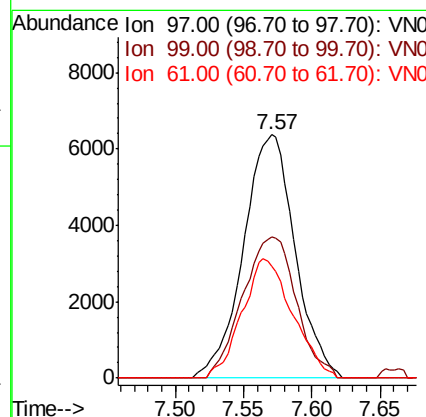
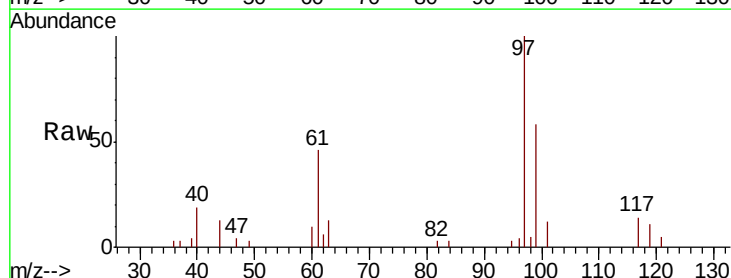
Instrument :
 MSVOA_N
 ClientSampled :

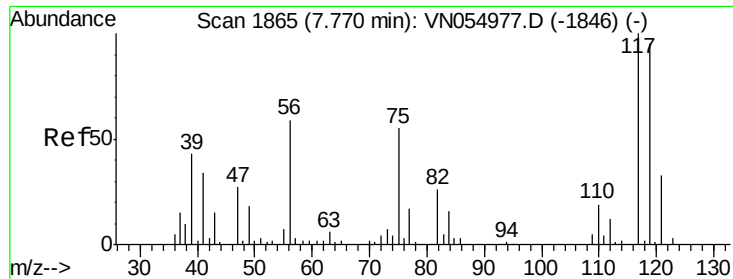
Tot Ion: 77 Resp: 8595
 Ion Ratio Lower Upper
 77 100
 97 15.3 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 2.726 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 97 Resp: 16726
 Ion Ratio Lower Upper
 97 100
 99 60.3 51.2 76.8
 61 48.0 40.6 60.8

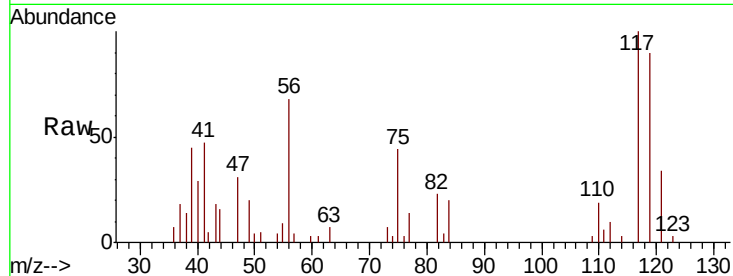




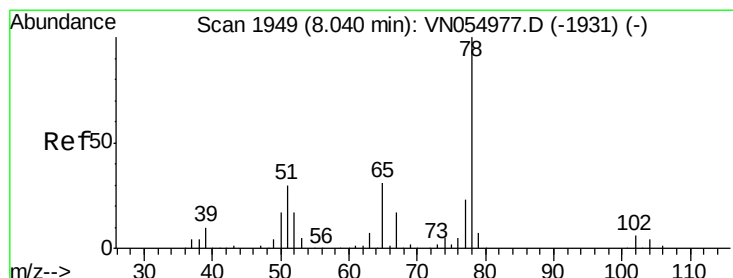
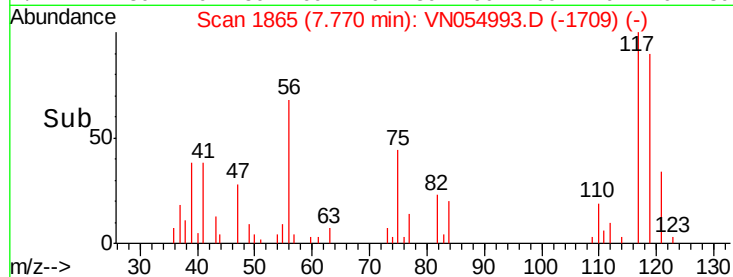
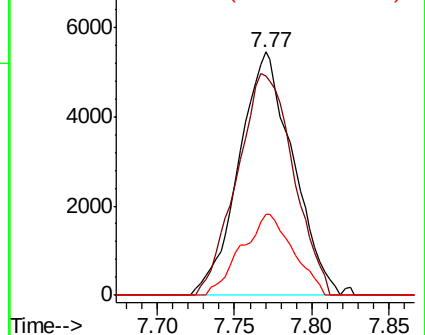
#33
Carbon Tetrachloride
Concen: 2.490 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 13227
Ion Ratio Lower Upper
117 100
119 90.1 76.1 114.1
121 33.5 26.2 39.4

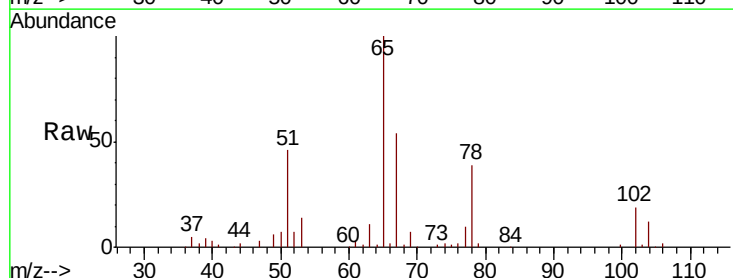


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

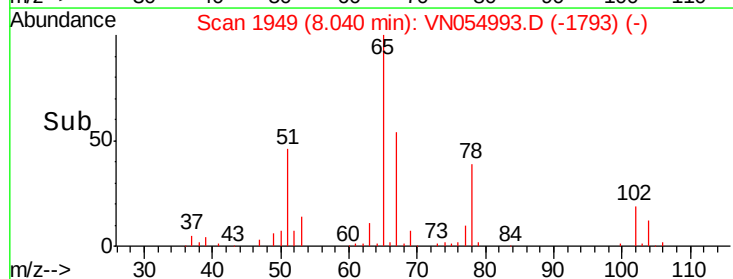
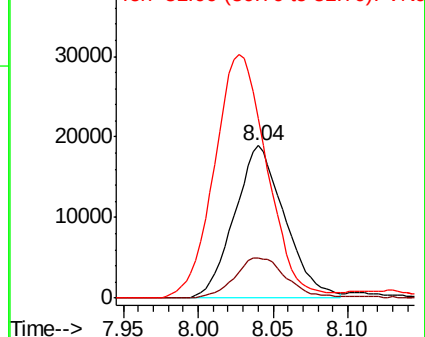


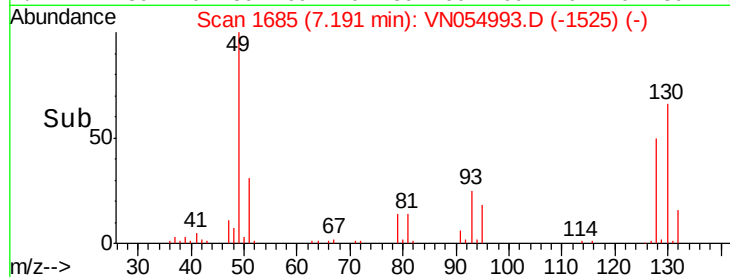
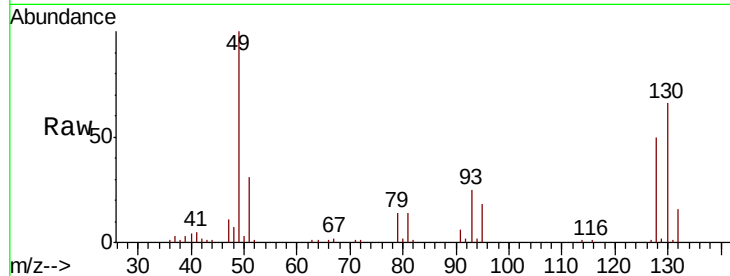
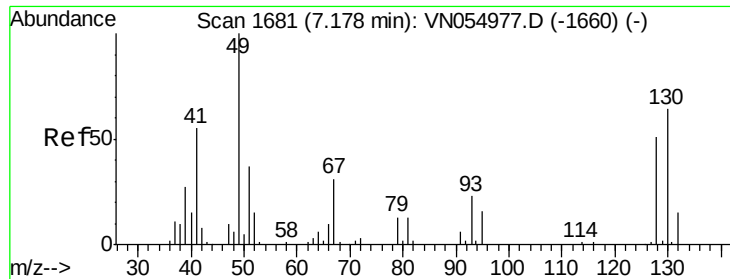
#34
Benzene
Concen: 2.570 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 78 Resp: 44205
Ion Ratio Lower Upper
78 100
77 26.0 18.2 27.4
51 114.0 23.7 35.5#



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

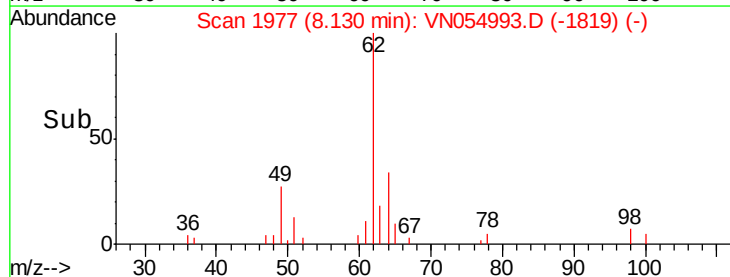
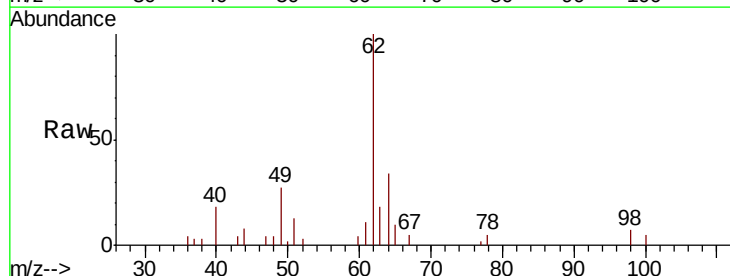
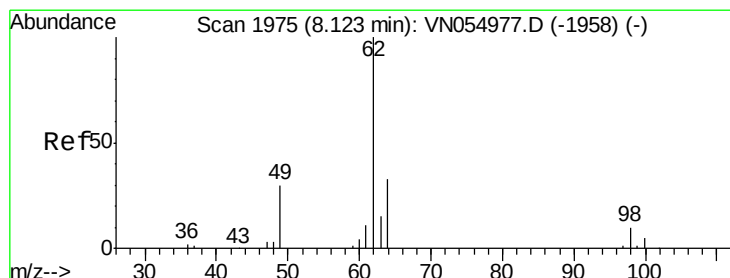
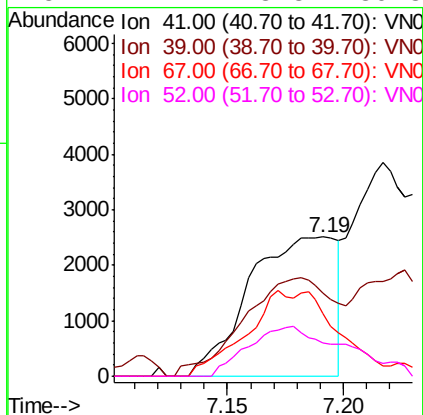




#35
Methacrylonitrile
Concen: 2.898 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

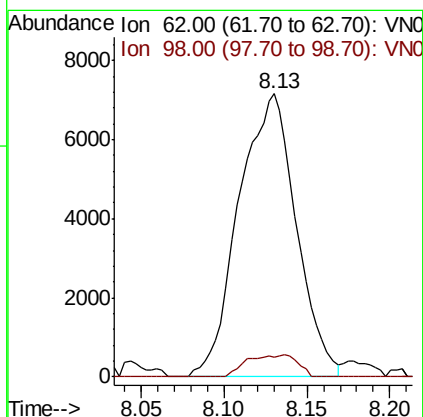
Instrument :
MSVOA_N
ClientSampled :

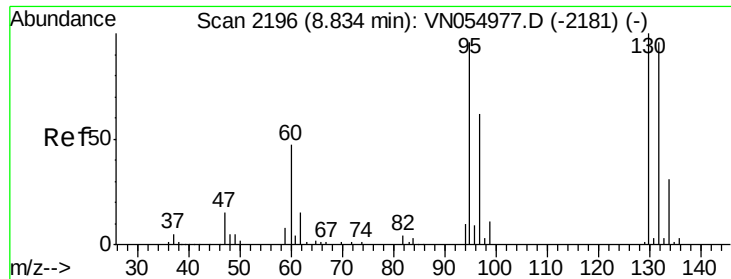
Tot Ion: 41 Resp: 6581
Ion Ratio Lower Upper
41 100
39 51.5 24.2 72.6
67 44.9 28.1 84.2
52 24.2 13.3 39.8



#36
1,2-Dichloroethane
Concen: 2.938 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 62 Resp: 17273
Ion Ratio Lower Upper
62 100
98 2.4 6.9 10.3#

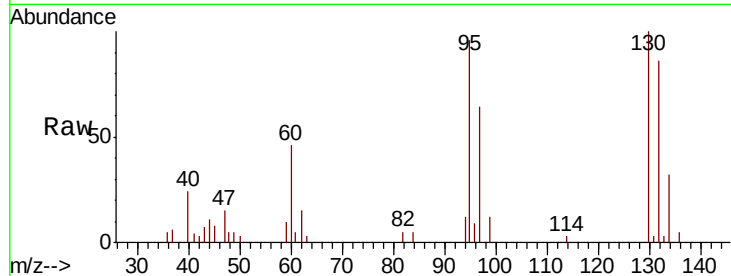




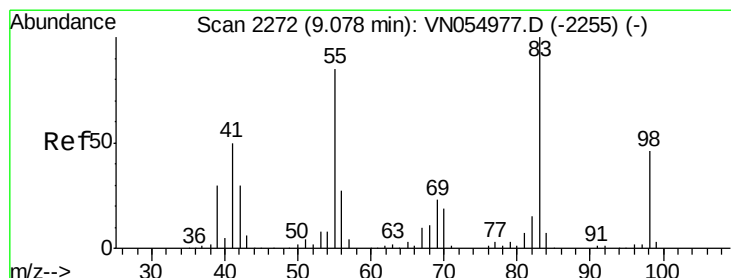
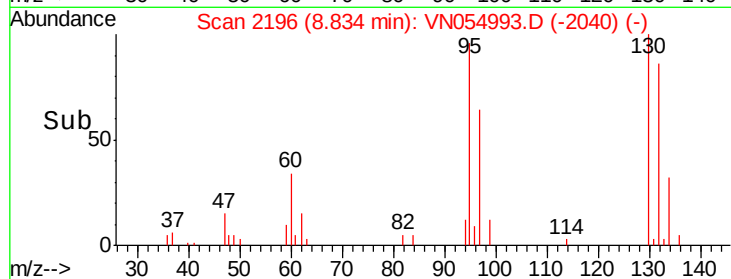
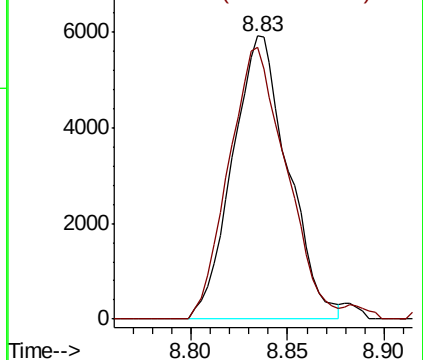
#37
 Trichloroethene
 Concen: 2.708 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 11876
 Ion Ratio Lower Upper
 130 100
 95 96.1 76.6 115.0

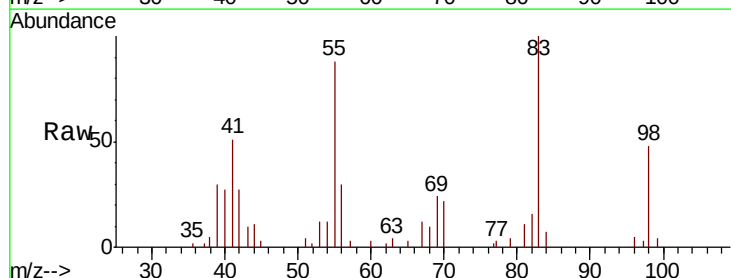


Abundance Ion 129.90 (129.60 to 130.60): VN054977.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN054977.D (-2181) (-)

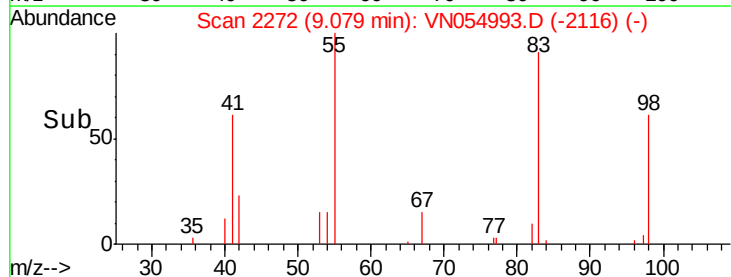
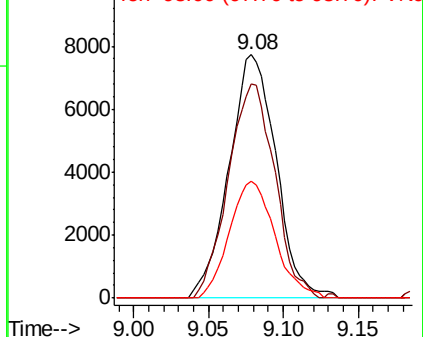


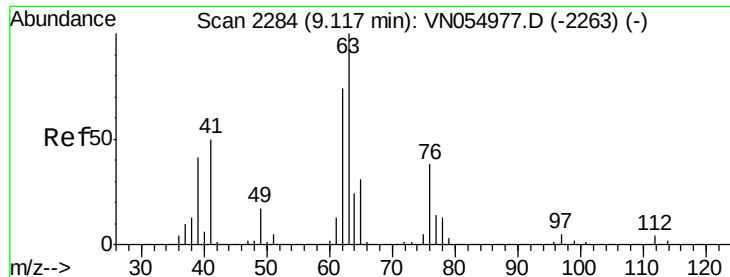
#38
 Methylcyclohexane
 Concen: 2.513 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 83 Resp: 16919
 Ion Ratio Lower Upper
 83 100
 55 86.6 41.9 125.6
 98 46.4 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN054977.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-2255) (-)





#39

1,2-Dichloropropane

Concen: 2.868 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

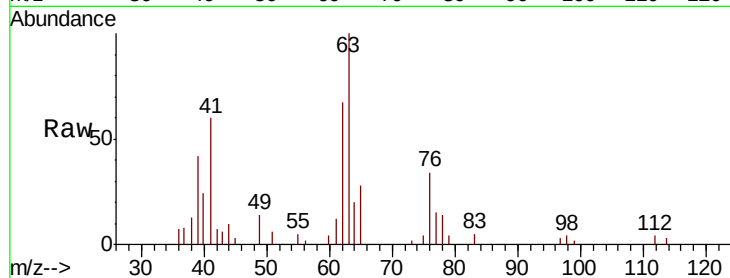
ClientSampleId :

Tot Ion: 63 Resp: 13621

Ion Ratio Lower Upper

63 100

65 27.8 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2263) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2263) (-)

9.12

8000

6000

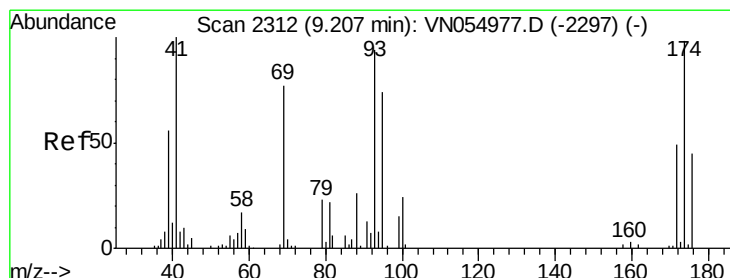
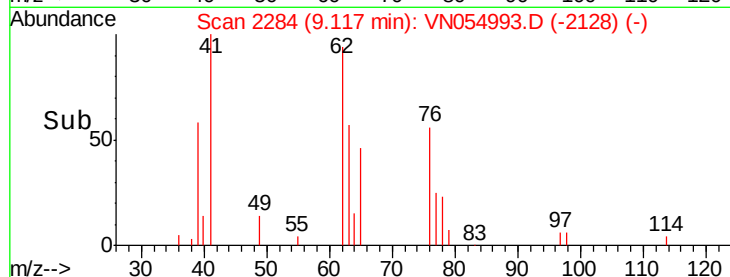
4000

2000

0

9.05 9.10 9.15 9.20

Time-->



#40

Dibromomethane

Concen: 2.734 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

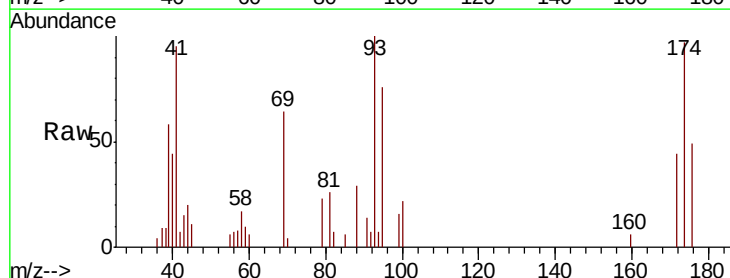
Tgt Ion: 93 Resp: 7340

Ion Ratio Lower Upper

93 100

95 87.5 0.0 160.8

174 104.6 0.0 206.4



Abundance Ion 93.00 (92.70 to 93.70): VN054977.D (-2297) (-)

Ion 95.00 (94.70 to 95.70): VN054977.D (-2297) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-2297) (-)

9.21

5000

4000

3000

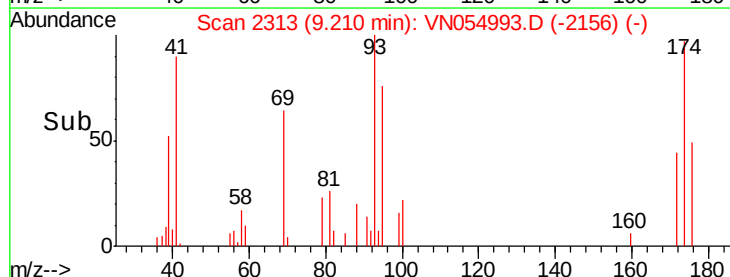
2000

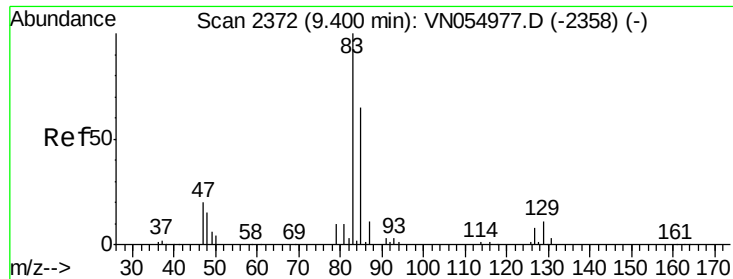
1000

0

9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 2.572 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

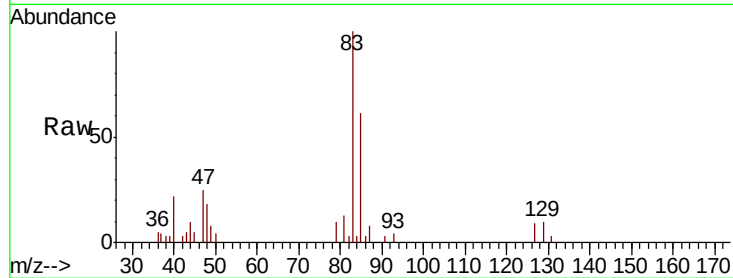
Tot Ion: 83 Resp: 14252

Ion Ratio Lower Upper

83 100

85 61.2 52.0 78.0

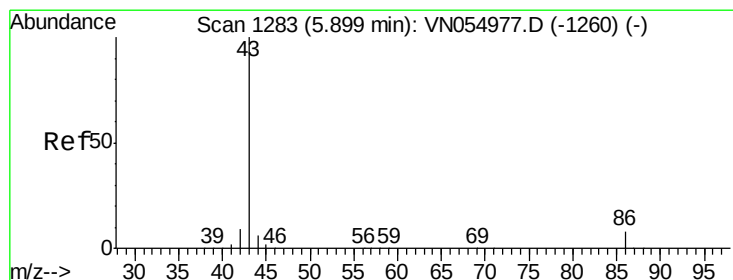
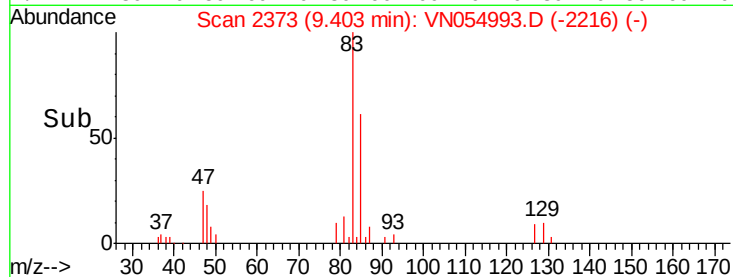
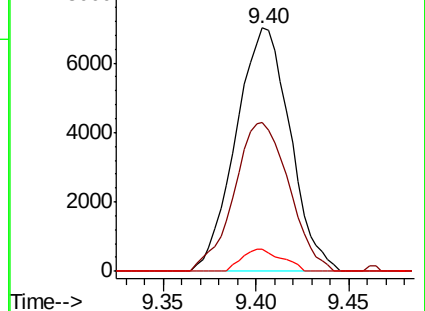
127 9.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 12.420 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054993.D

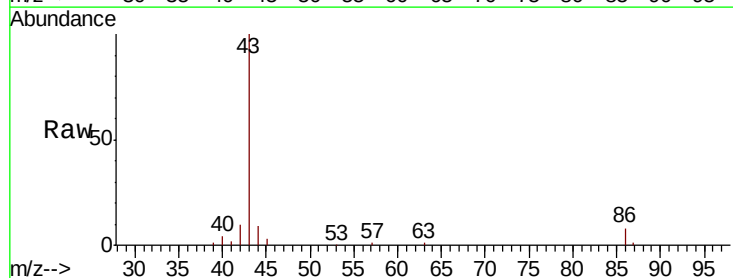
Acq: 12 Apr 2019 12:09

Tgt Ion: 43 Resp: 120995

Ion Ratio Lower Upper

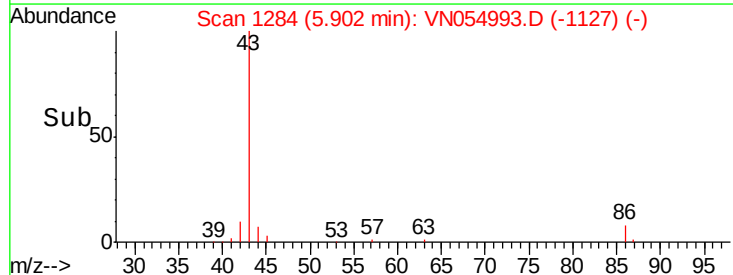
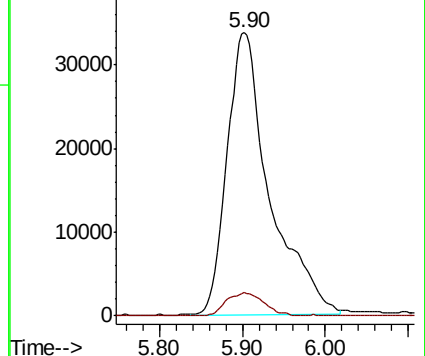
43 100

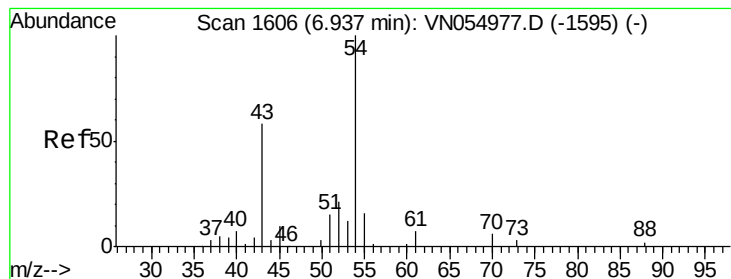
86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 2.977 ug/l

RT: 6.94 min Scan# 1608

Delta R.T. 0.01 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

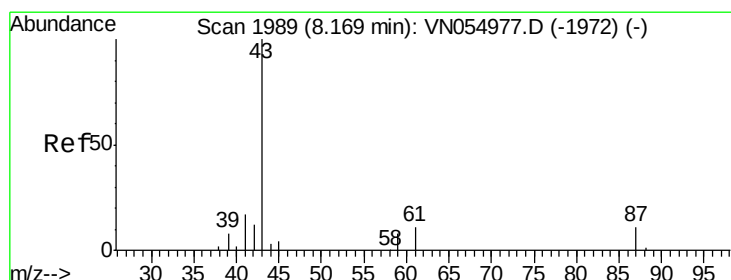
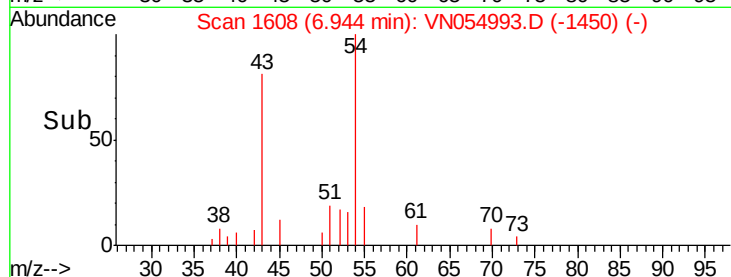
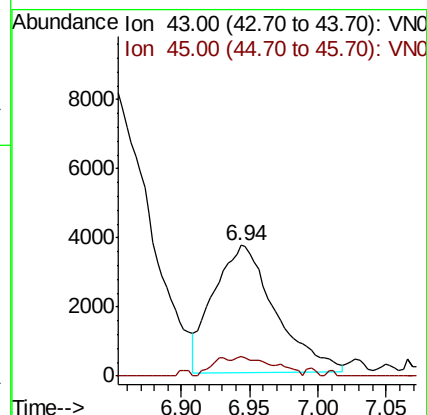
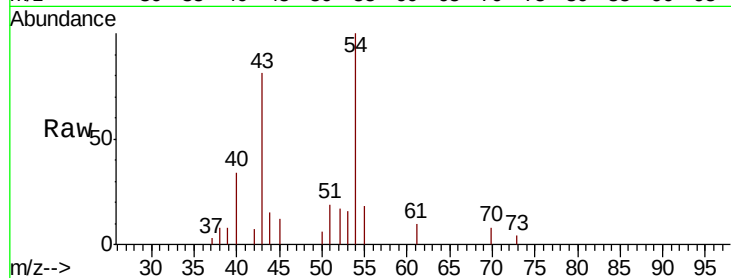
ClientSampled :

Tot Ion: 43 Resp: 11688

Ion Ratio Lower Upper

43 100

45 1.2 10.6 15.8#



#44

Isopropyl Acetate

Concen: 2.639 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054993.D

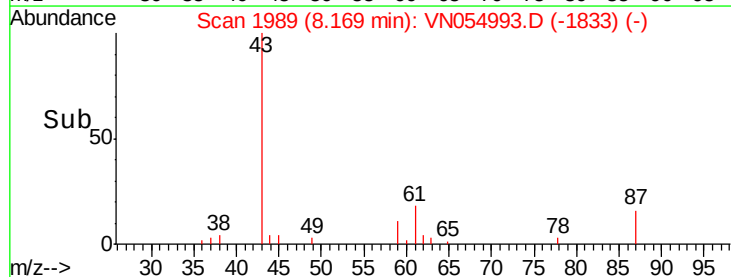
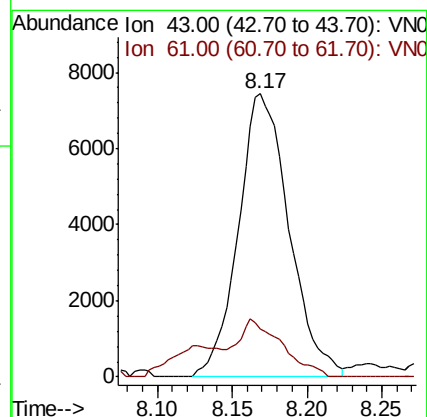
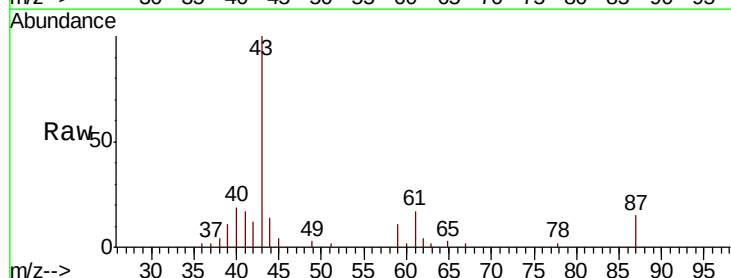
Acq: 12 Apr 2019 12:09

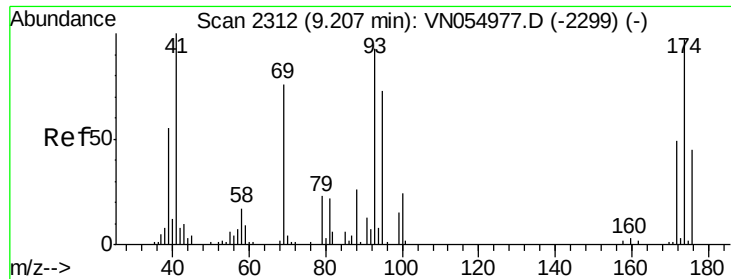
Tgt Ion: 43 Resp: 17556

Ion Ratio Lower Upper

43 100

61 16.0 14.8 22.2

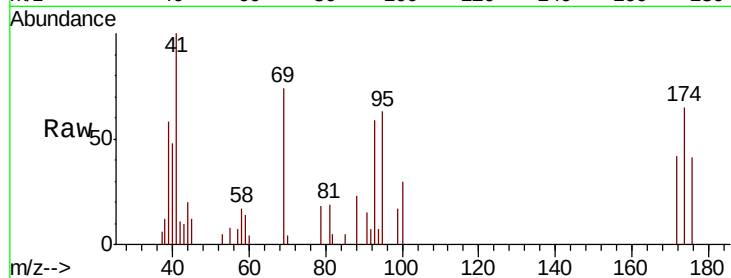




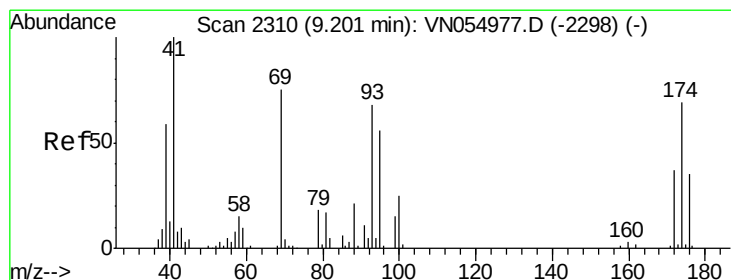
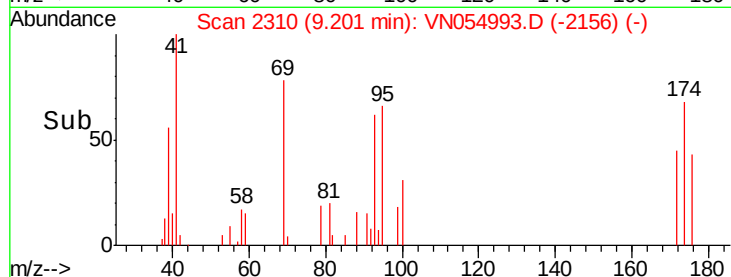
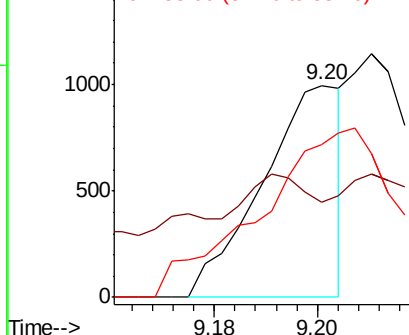
#45
 1,4-Dioxane
 Concen: 28.869 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 1064
 Ion Ratio Lower Upper
 88 100
 43 8.3 34.5 51.7#
 58 147.4 60.3 90.5#

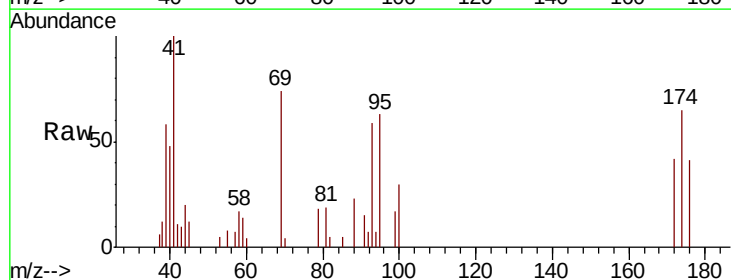


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

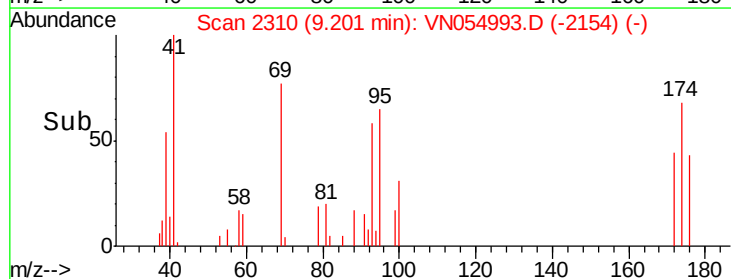
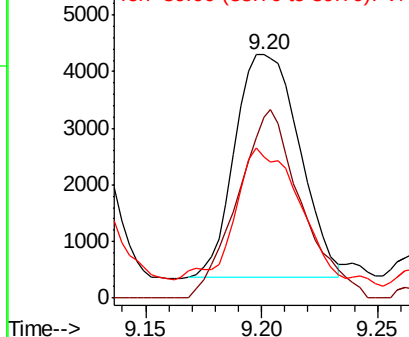


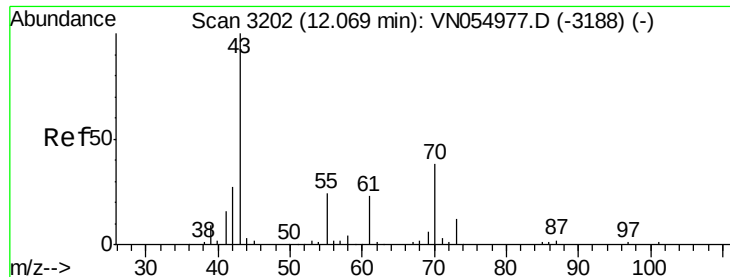
#46
 Methyl methacrylate
 Concen: 2.221 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion: 41 Resp: 7645
 Ion Ratio Lower Upper
 41 100
 69 80.9 37.3 111.9
 39 53.3 29.4 88.2



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





#47

n-amvl Acetate

Concen: 1.949 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

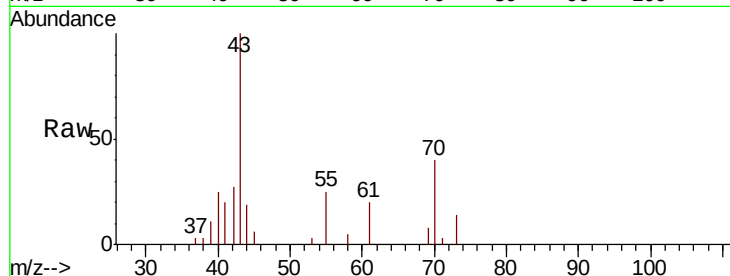
ClientSampleId :

Tot Ion: 43 Resp: 9548

Ion Ratio Lower Upper

43 100

55 23.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

6000

5000

4000

3000

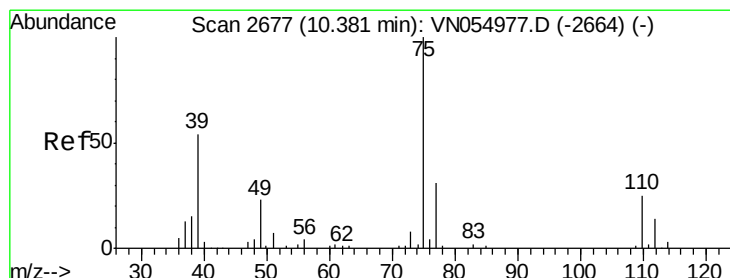
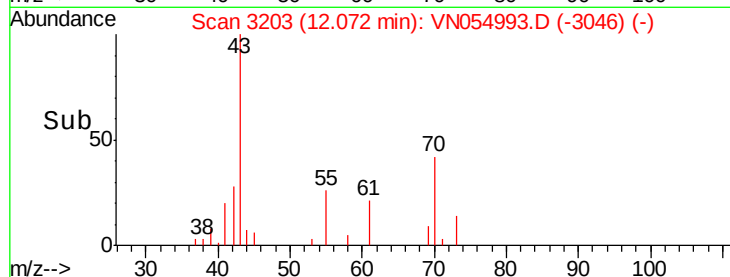
2000

1000

0

12.05 12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 2.159 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054993.D

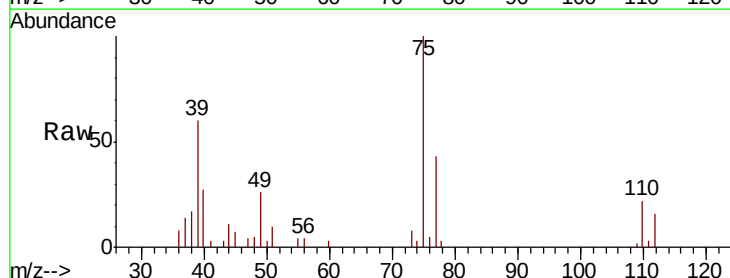
Acq: 12 Apr 2019 12:09

Tgt Ion: 75 Resp: 10984

Ion Ratio Lower Upper

75 100

77 38.2 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

6000

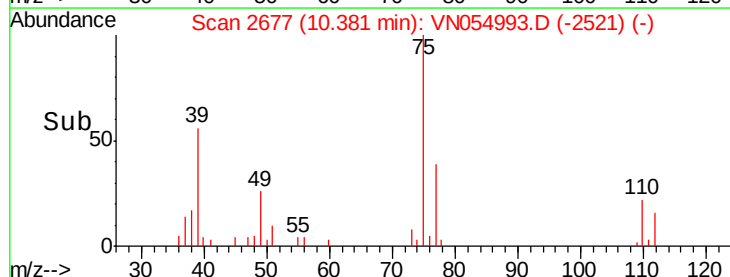
4000

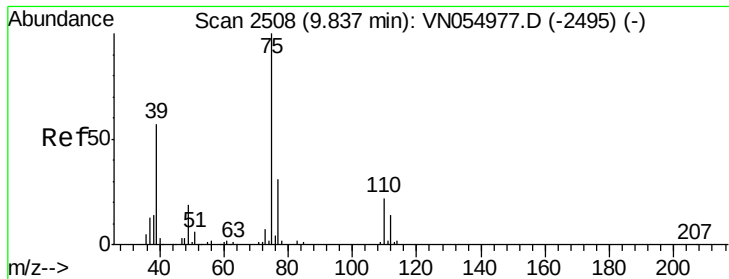
2000

0

10.35 10.40 10.45

Time-->



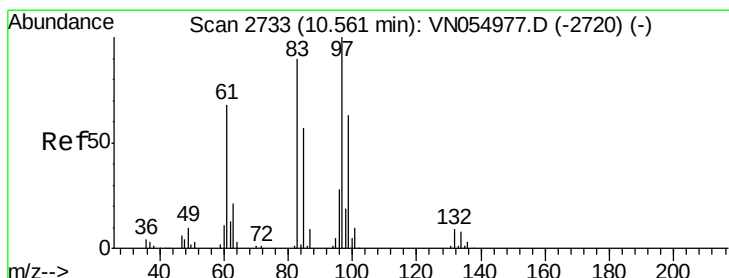
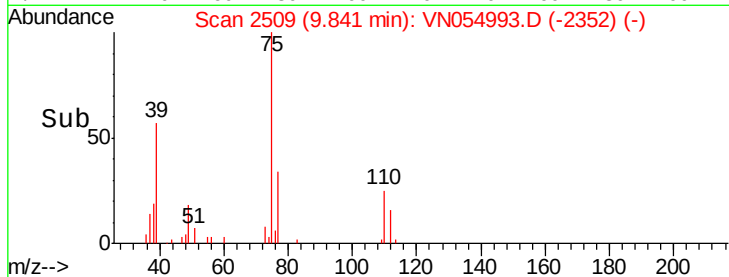
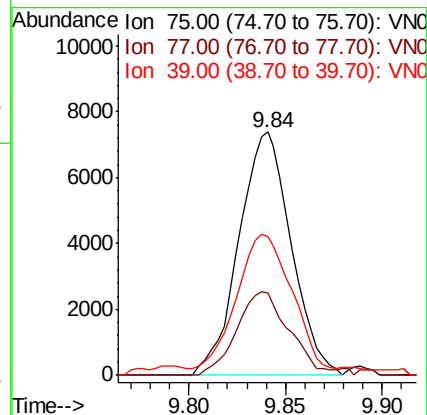
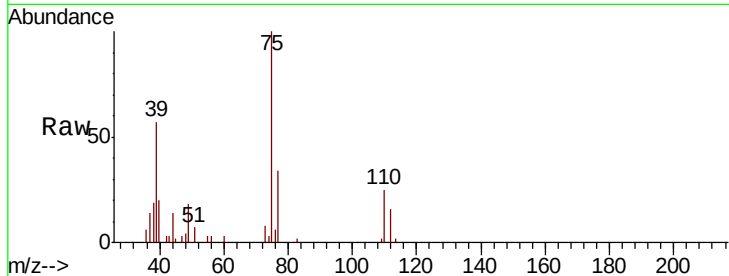


#49

cis-1,3-Dichloropropene
 Concen: 2.205 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampled :

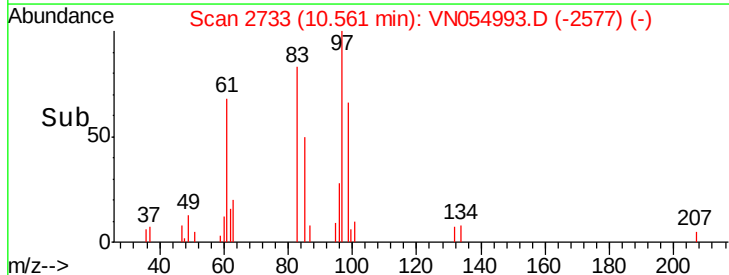
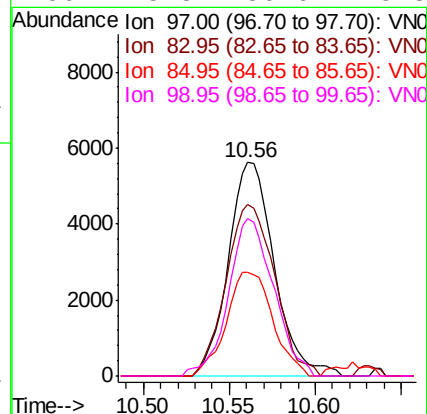
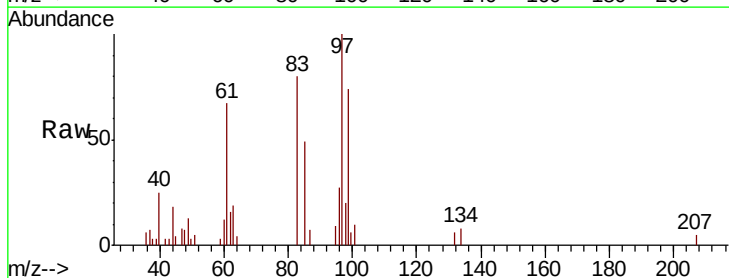
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.7	37.1
39	53.8	45.3	67.9

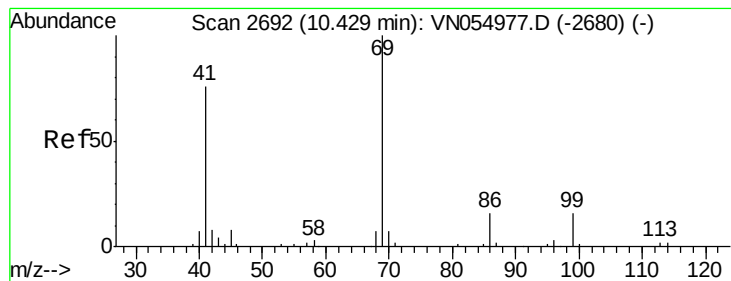


#50

1,1,2-Trichloroethane
 Concen: 2.868 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.4	72.1	108.1
85	48.6	45.4	68.0
99	73.8	50.6	75.8





#51

Ethyl methacrylate

Concen: 2.518 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

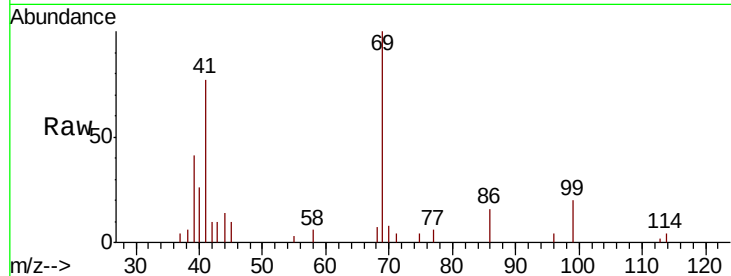
Tot Ion: 69 Resp: 10947

Ion Ratio Lower Upper

69 100

41 73.1 37.9 113.7

39 35.2 19.8 59.4



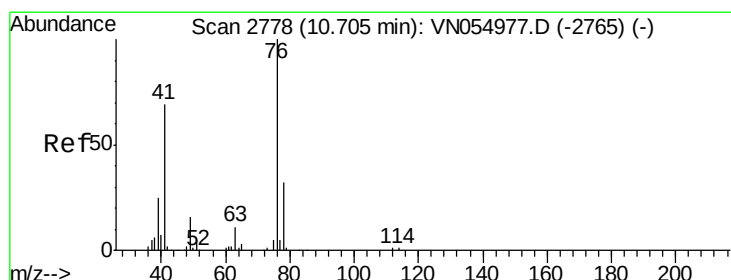
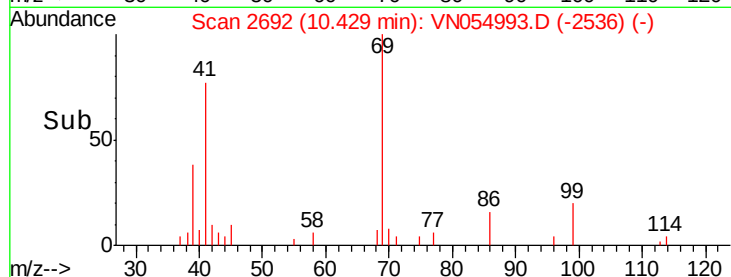
Abundance Ion 69.00 (68.70 to 69.70): VN054977.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN054977.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-2680) (-)

10.43

Time-->



#52

1,3-Dichloropropane

Concen: 2.776 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054993.D

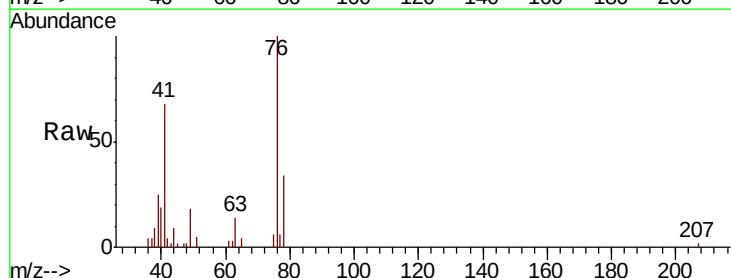
Acq: 12 Apr 2019 12:09

Tgt Ion: 76 Resp: 17739

Ion Ratio Lower Upper

76 100

78 31.8 0.0 64.4

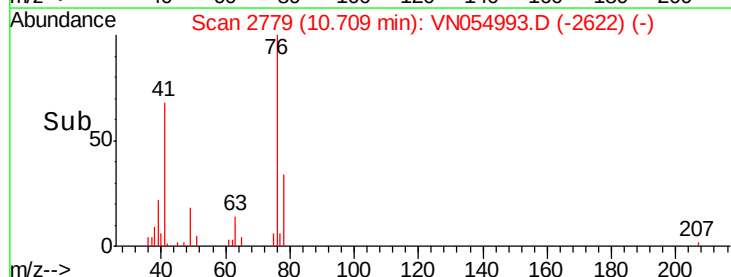


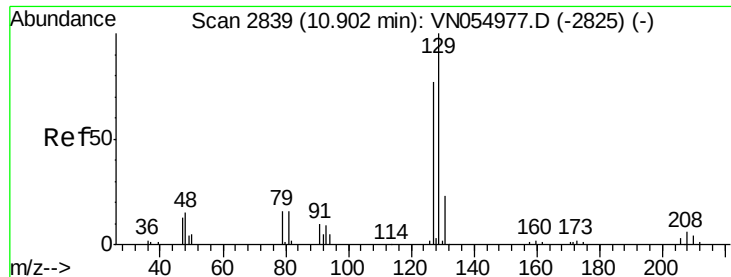
Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-2765) (-)

10.71

Time-->

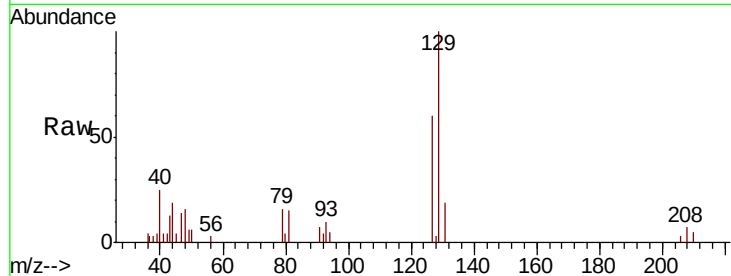




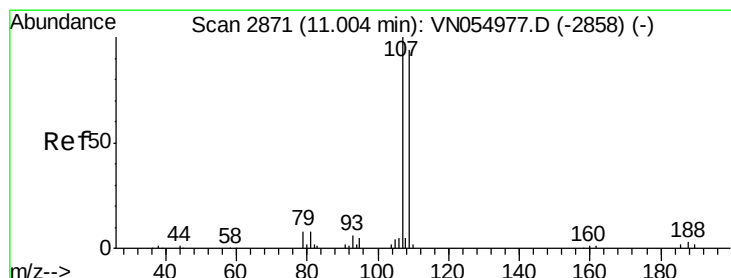
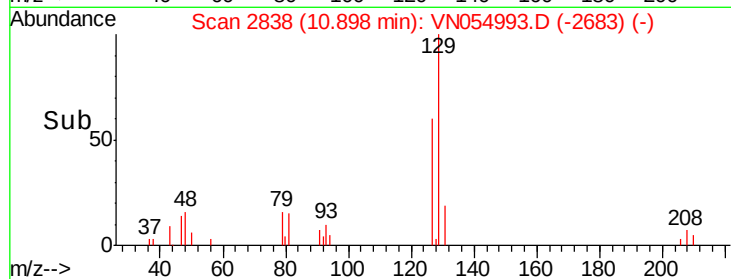
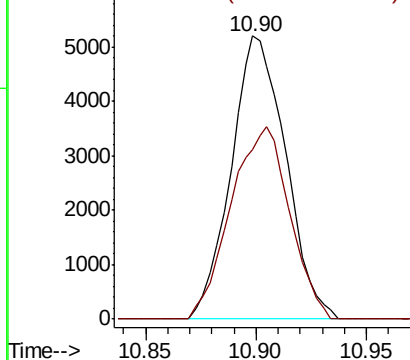
#53
Dibromochloromethane
Concen: 2.372 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:129 Resp: 8909
Ion Ratio Lower Upper
129 100
127 73.2 37.8 113.3

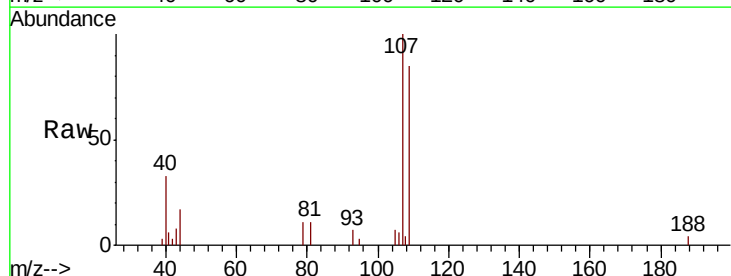


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

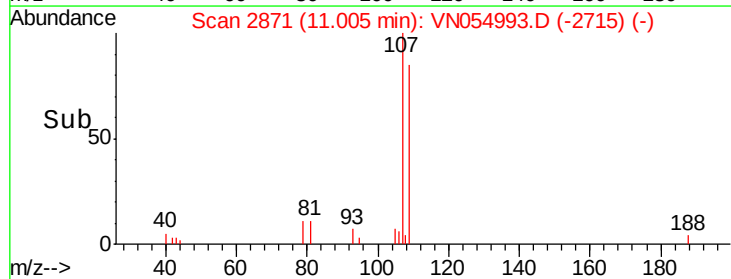
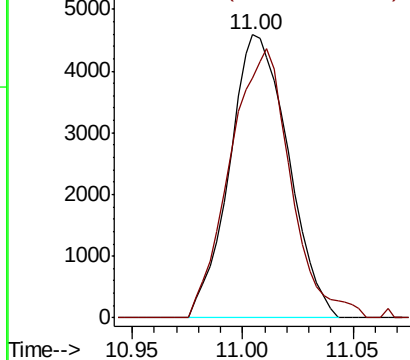


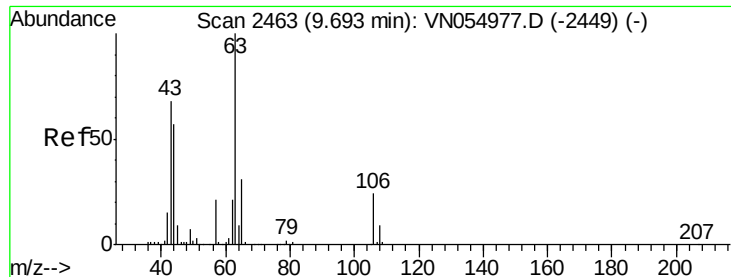
#54
1,2-Dibromoethane
Concen: 2.482 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion:107 Resp: 8496
Ion Ratio Lower Upper
107 100
109 97.8 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 11.164 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.01 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

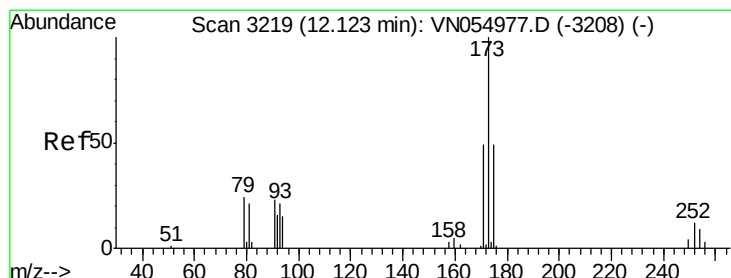
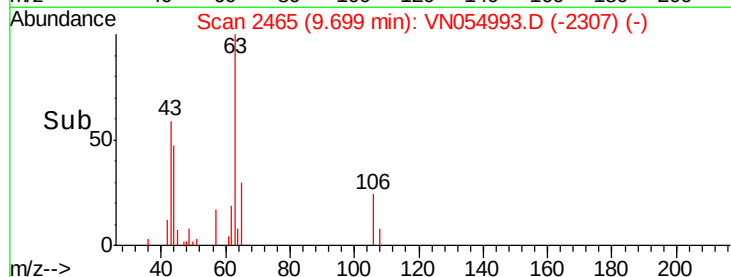
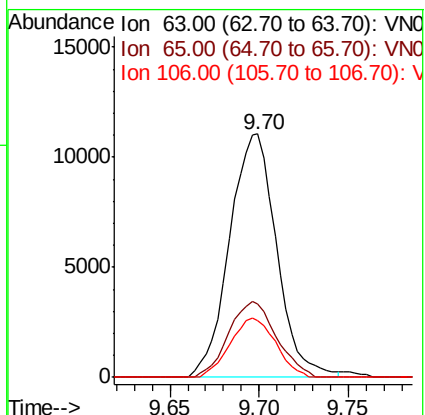
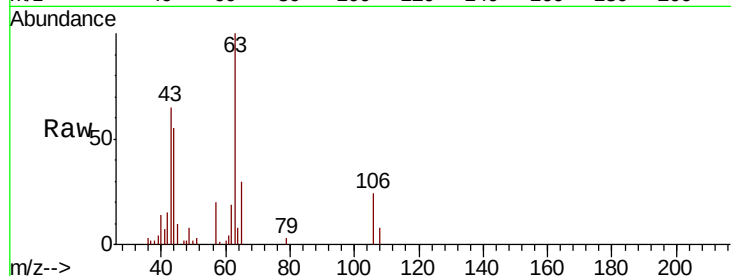
Tot Ion: 63 Resp: 20288

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.0

106 23.6 19.8 29.6



#56

Bromoform

Concen: 2.032 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

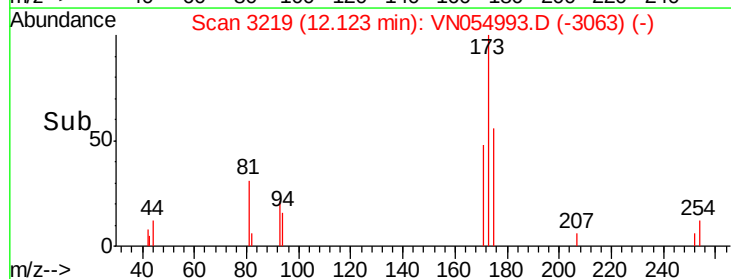
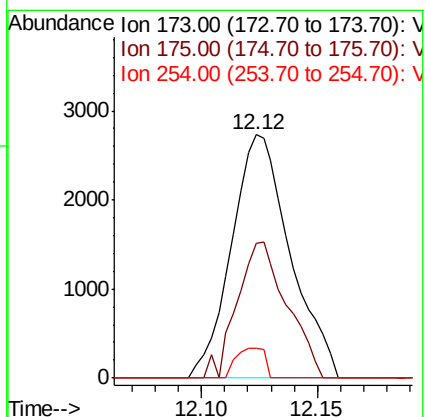
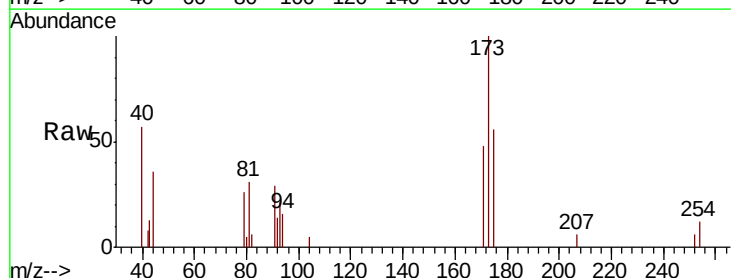
Tgt Ion: 173 Resp: 4797

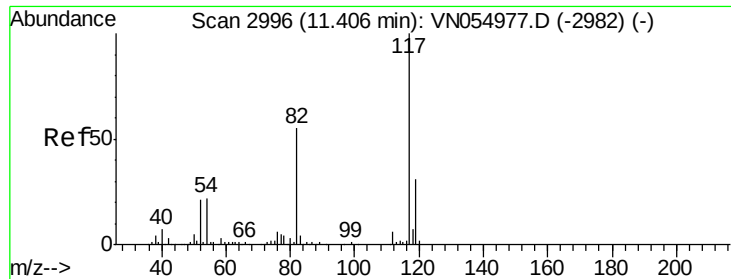
Ion Ratio Lower Upper

173 100

175 46.2 38.6 57.8

254 6.0 6.8 10.2#

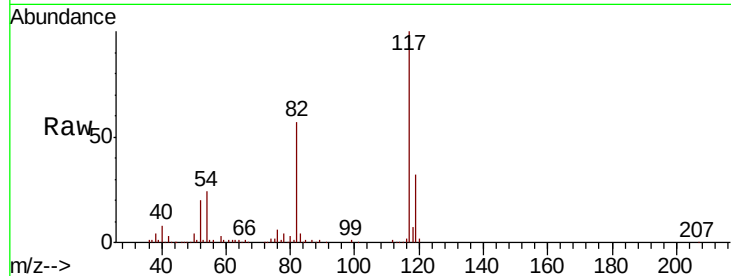




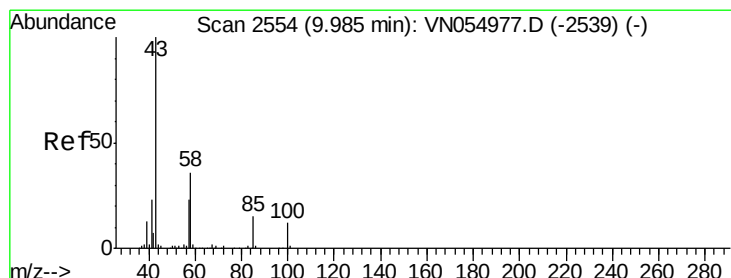
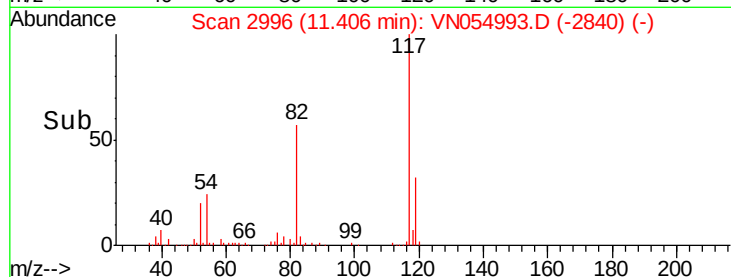
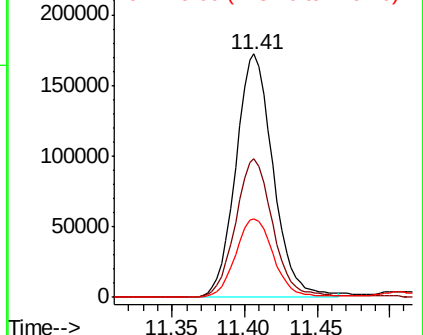
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.2	67.8
119	32.7	25.4	38.2

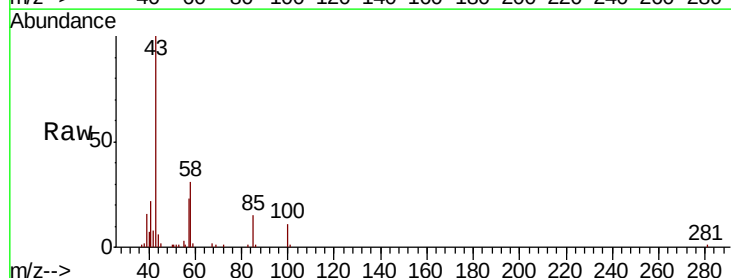


Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-2982) (-)
Ion 82.00 (81.70 to 82.70): VN054977.D (-2982) (-)
Ion 119.00 (118.70 to 119.70): VN054977.D (-2982) (-)

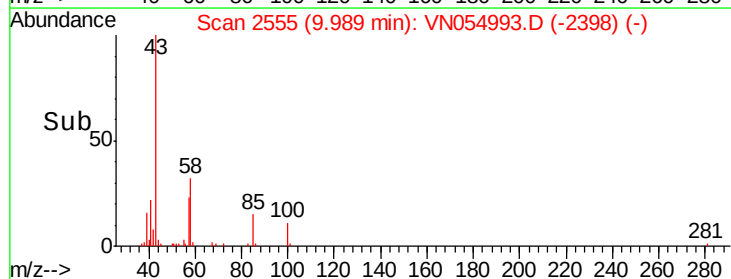
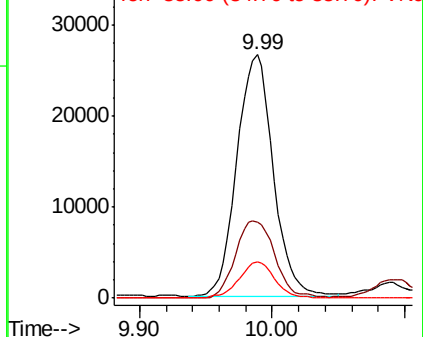


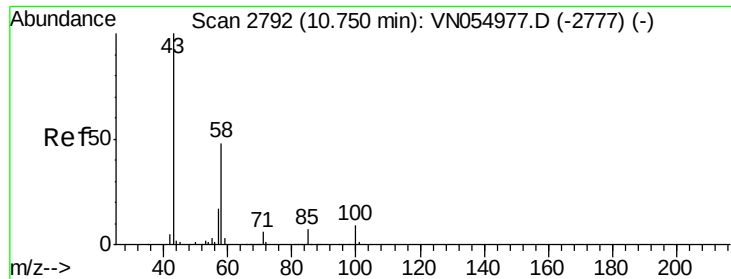
#58
4-Methyl-2-Pentanone
Concen: 14.202 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.7	43.1
85	14.5	11.8	17.6



Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-2539) (-)
Ion 58.00 (57.70 to 58.70): VN054977.D (-2539) (-)
Ion 85.00 (84.70 to 85.70): VN054977.D (-2539) (-)

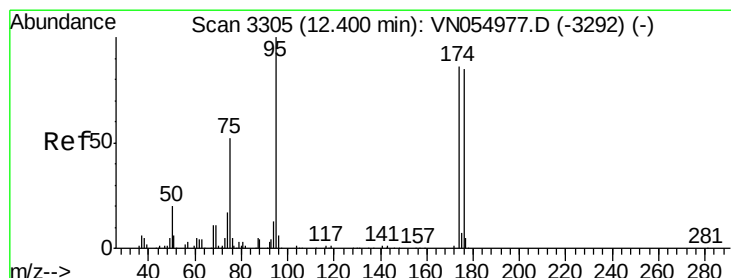
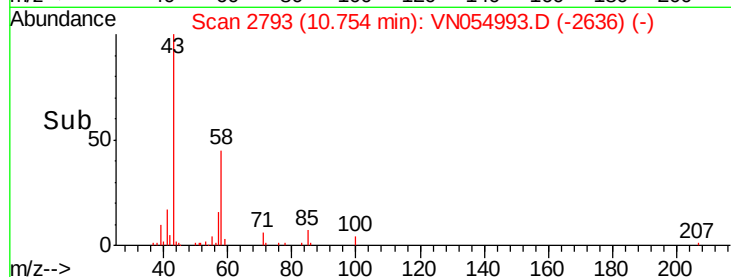
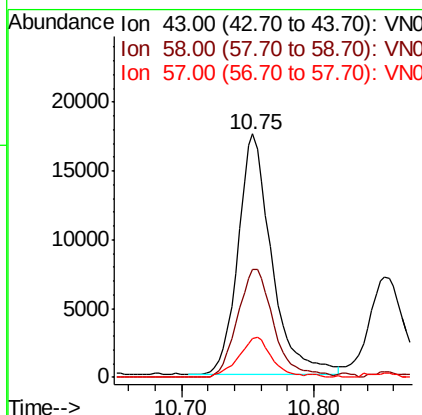
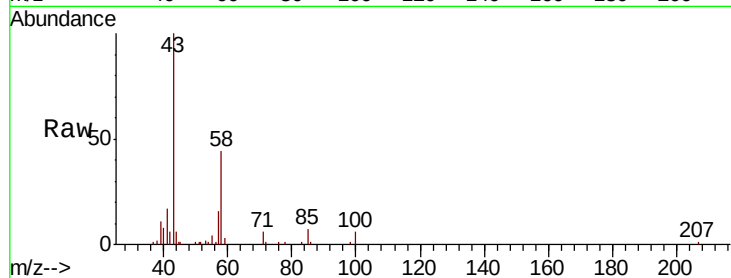




#59
2-Hexanone
Concen: 13.726 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

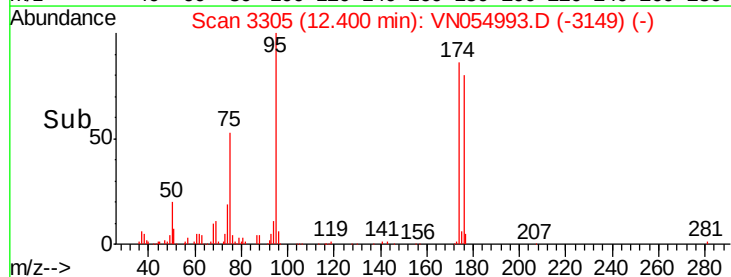
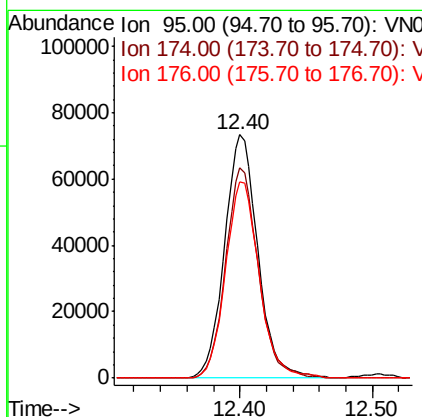
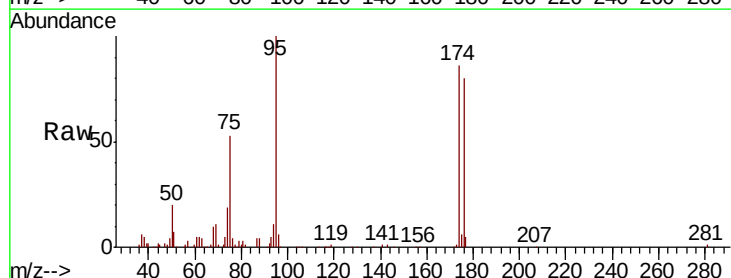
Instrument :
MSVOA_N
ClientSampled :

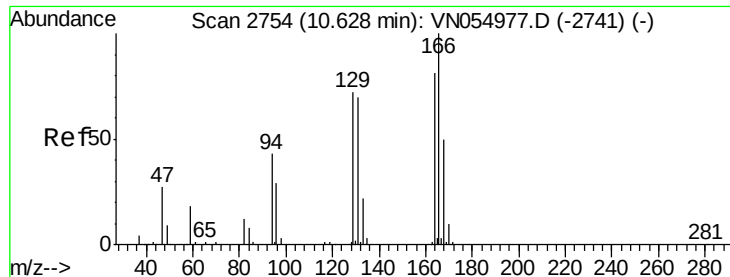
Tot Ion: 43 Resp: 31026
Ion Ratio Lower Upper
43 100
58 48.1 38.8 58.2
57 16.3 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 13.726 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 95 Resp: 128011
Ion Ratio Lower Upper
95 100
174 84.5 69.4 104.2
176 81.6 67.4 101.2





#61

Tetrachloroethene

Concen: 2.810 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 11282

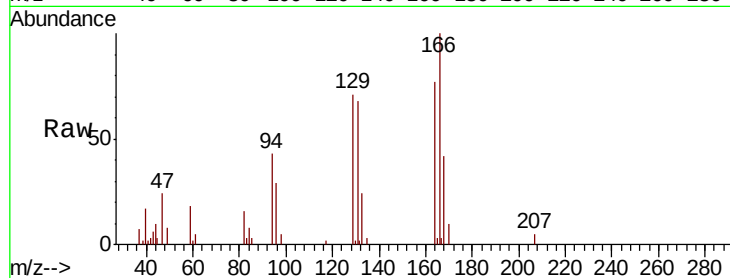
Ion Ratio Lower Upper

164 100

166 128.2 99.0 148.4

129 92.2 71.4 107.0

131 88.8 68.8 103.2

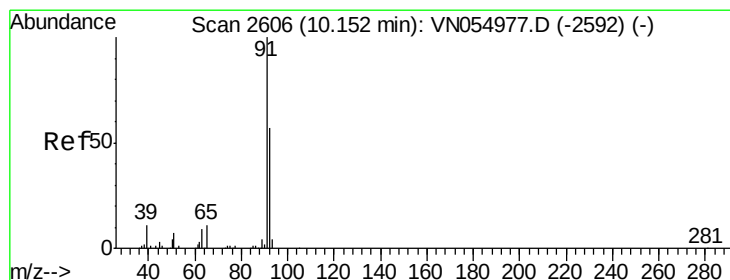
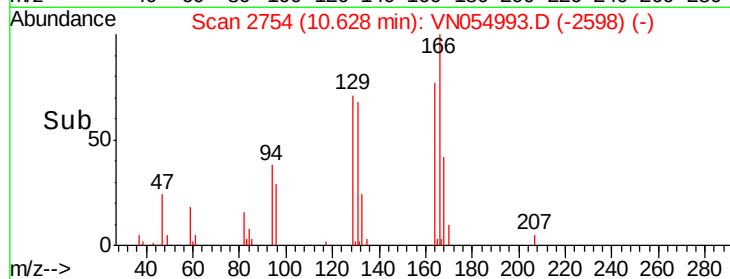
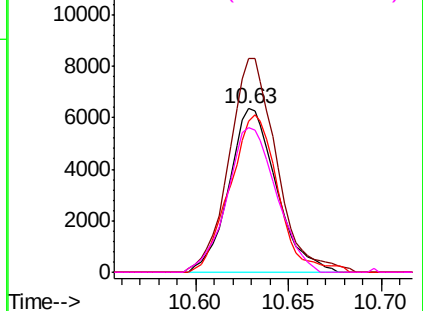


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.863 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054993.D

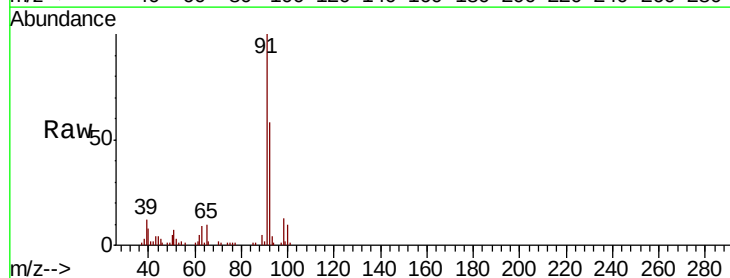
Acq: 12 Apr 2019 12:09

Tgt Ion: 91 Resp: 48668

Ion Ratio Lower Upper

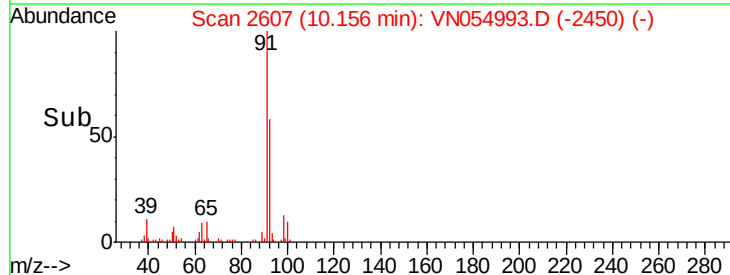
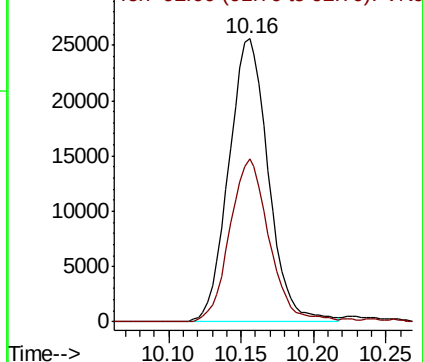
91 100

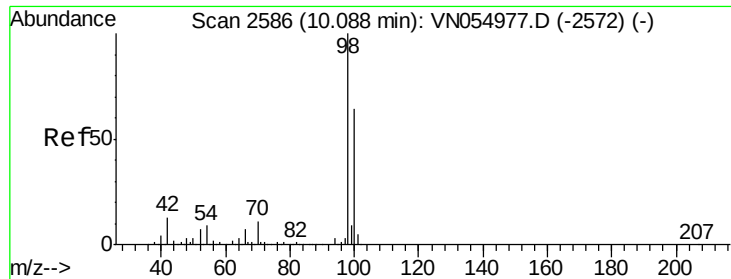
92 57.2 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 2.863 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

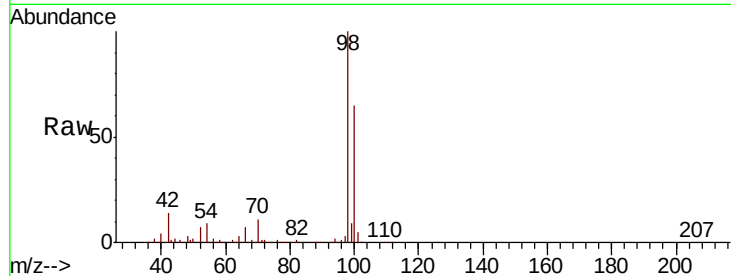
ClientSampled :

Tot Ion: 98 Resp: 458740

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-2572) (-)

10.09

250000

200000

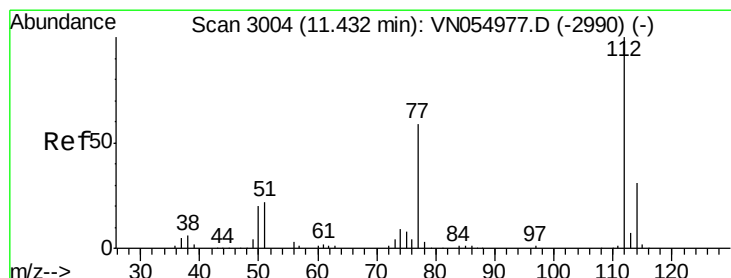
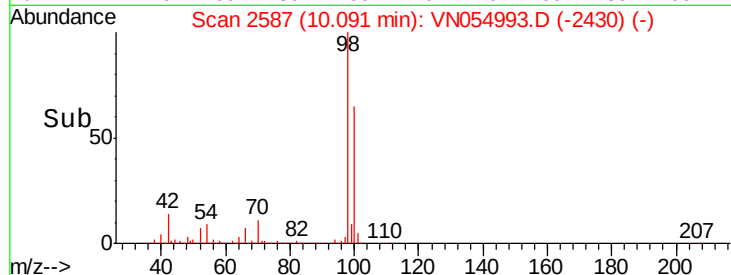
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 2.788 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054993.D

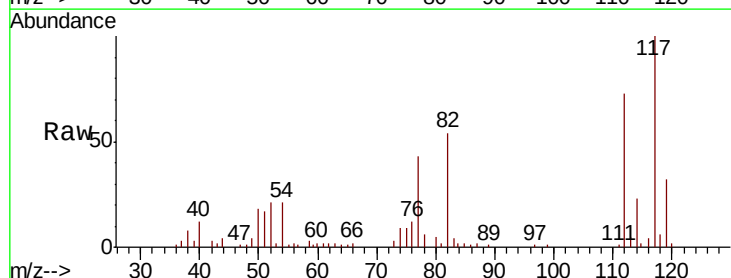
Acq: 12 Apr 2019 12:09

Tgt Ion: 112 Resp: 28611

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN054977.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054977.D (-2990) (-)

11.43

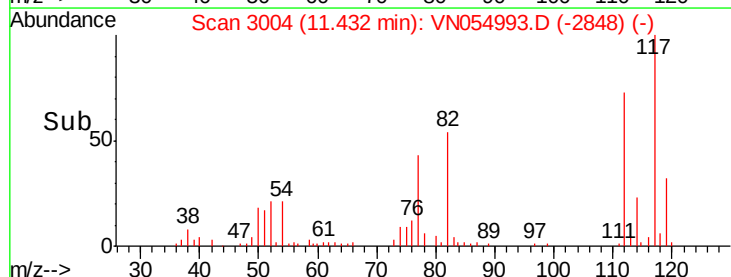
15000

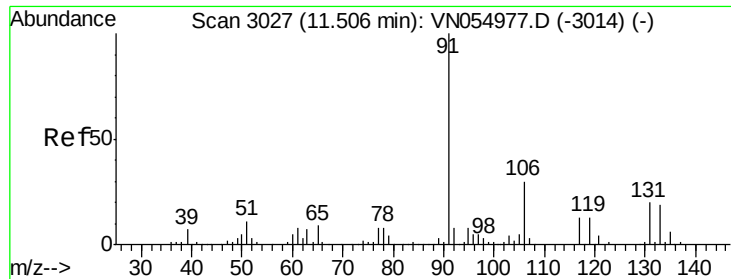
10000

5000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.637 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

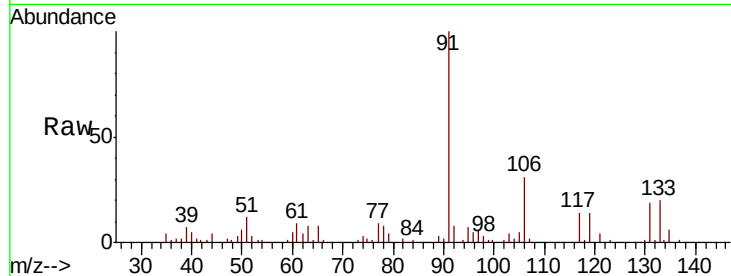
Tot Ion:131 Resp: 9624

Ion Ratio Lower Upper

131 100

133 98.3 0.0 187.8

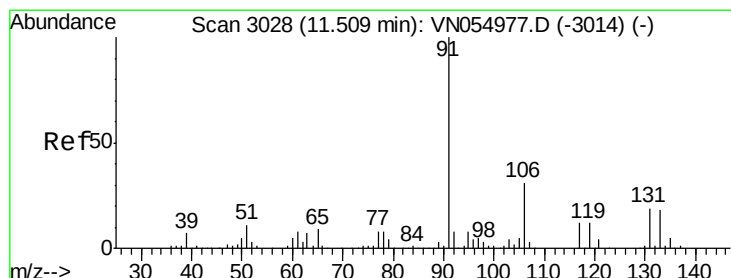
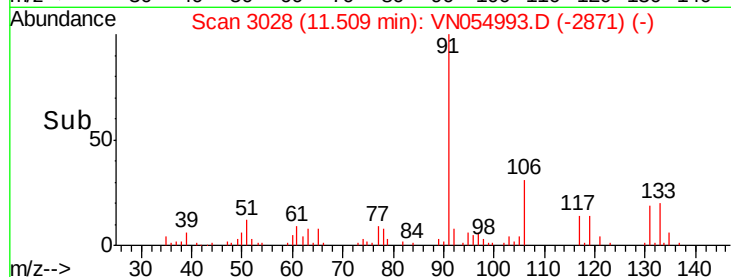
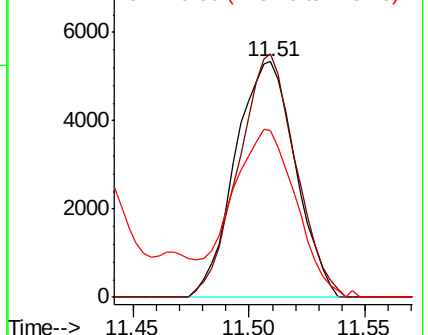
119 77.1 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.630 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054993.D

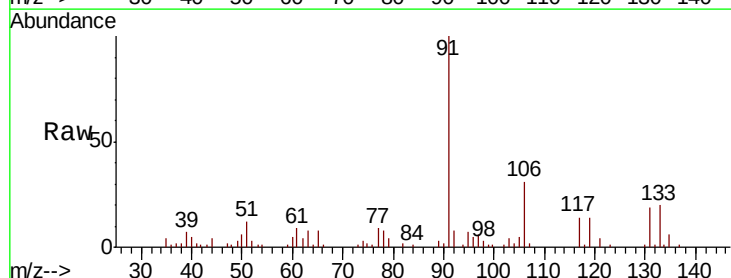
Acq: 12 Apr 2019 12:09

Tgt Ion: 91 Resp: 47937

Ion Ratio Lower Upper

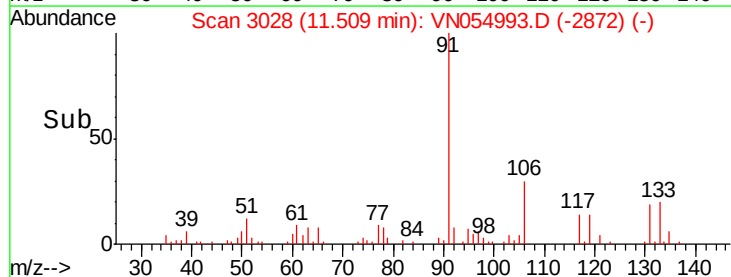
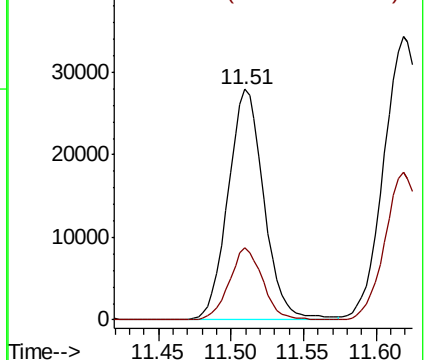
91 100

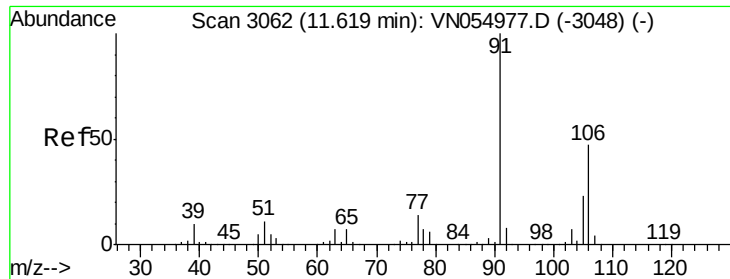
106 31.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

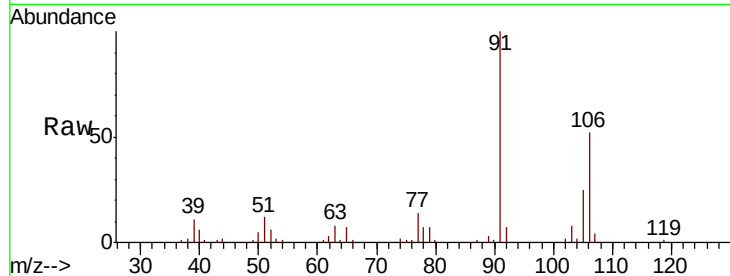




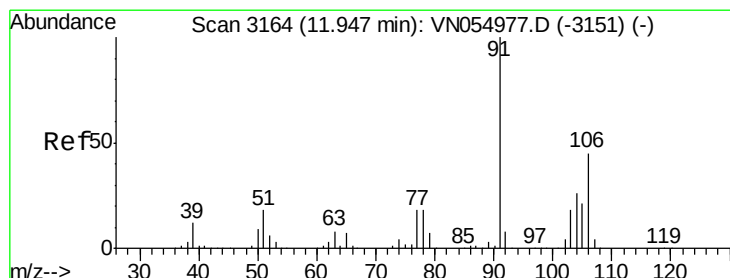
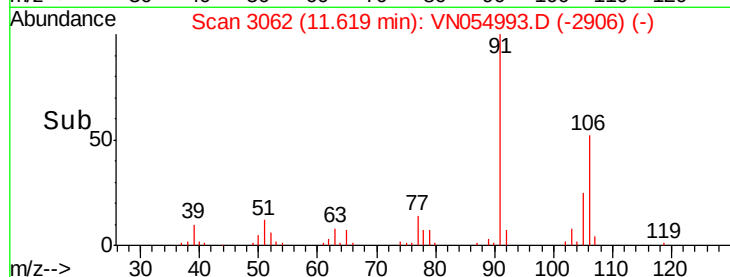
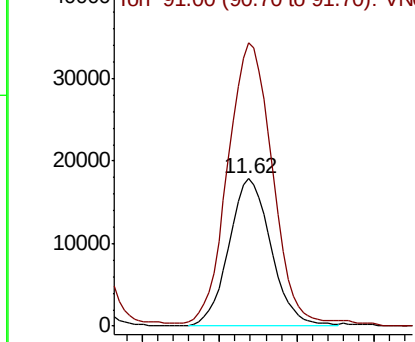
#67
m/p-Xylenes
Concen: 5.003 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 33890
Ion Ratio Lower Upper
106 100
91 198.5 167.4 251.2

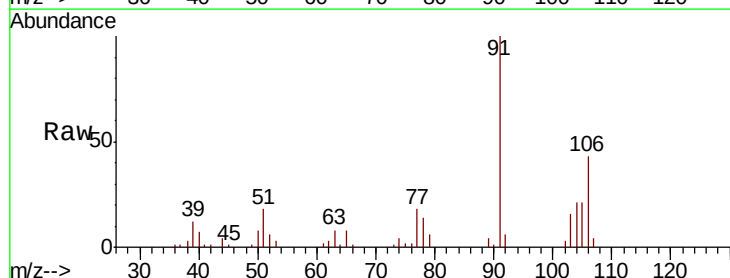


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

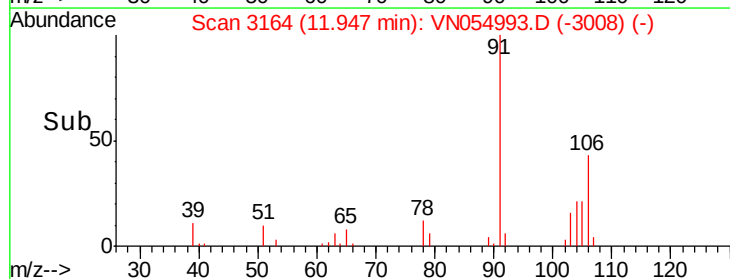
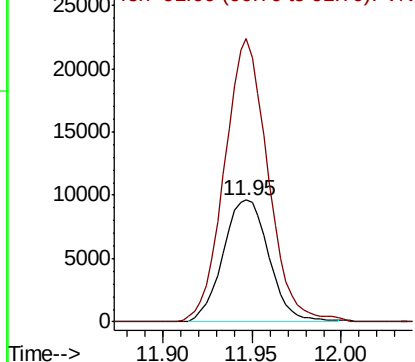


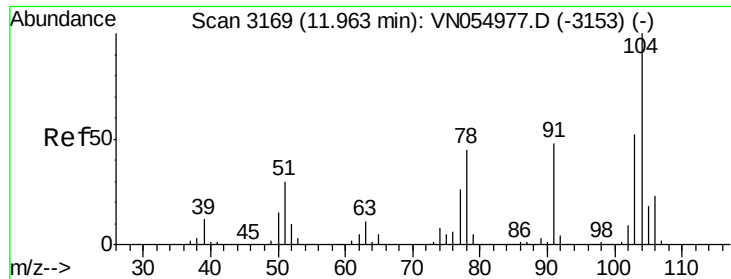
#68
o-Xylene
Concen: 2.570 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion:106 Resp: 17205
Ion Ratio Lower Upper
106 100
91 219.8 110.3 330.8



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

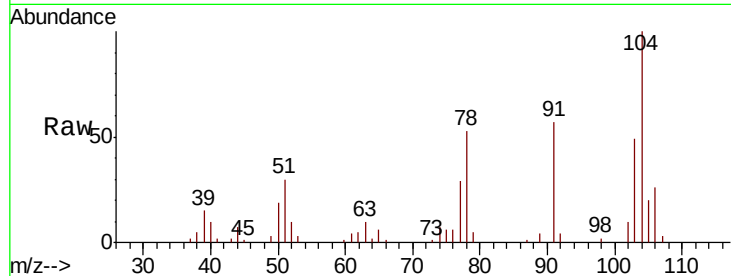




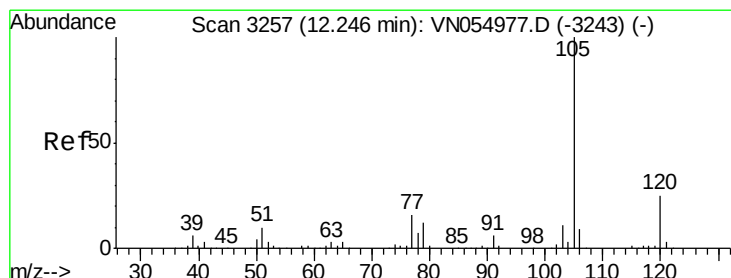
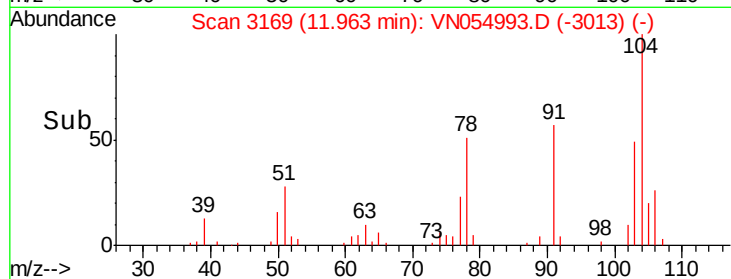
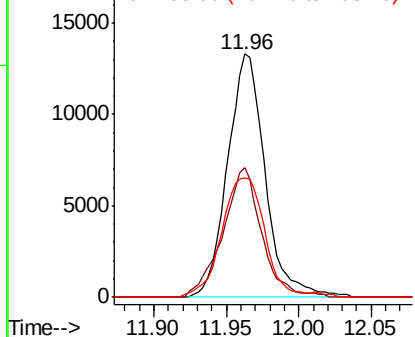
#69
Stvrene
Concen: 2.304 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:104 Resp: 23945
Ion Ratio Lower Upper
104 100
78 54.4 41.2 61.8
103 56.1 44.6 67.0

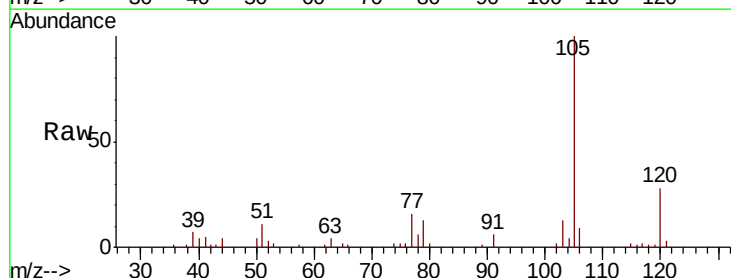


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

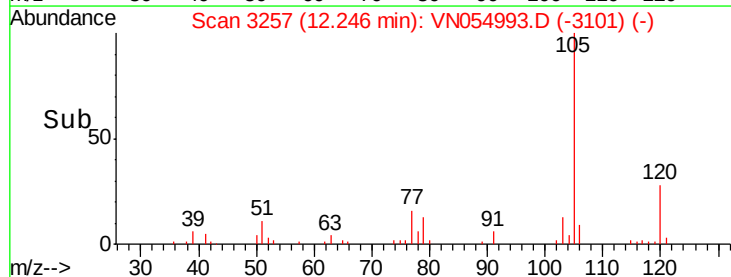
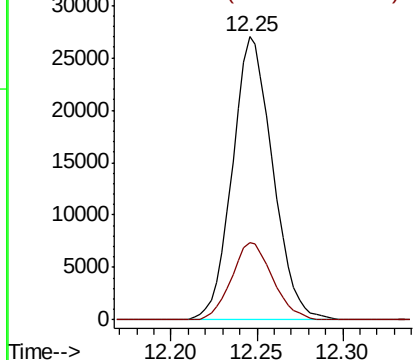


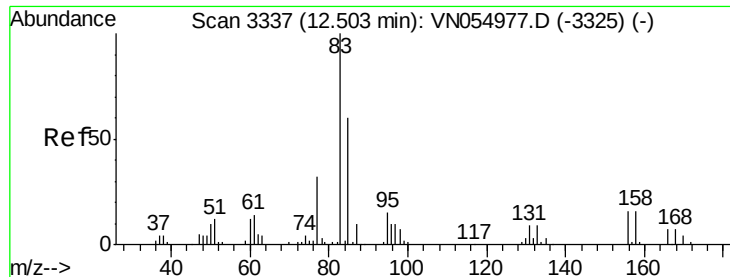
#70
Isopropylbenzene
Concen: 2.458 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion:105 Resp: 43994
Ion Ratio Lower Upper
105 100
120 27.7 18.3 33.9



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

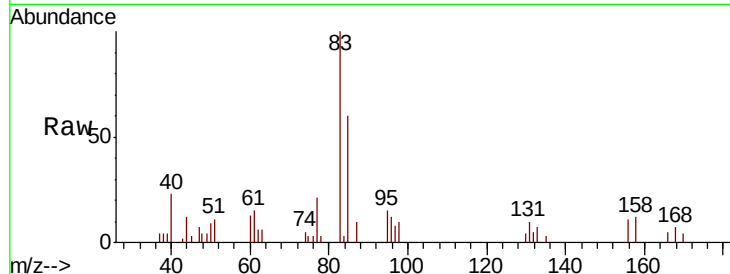




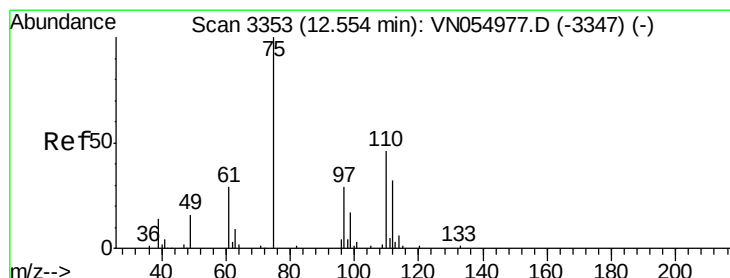
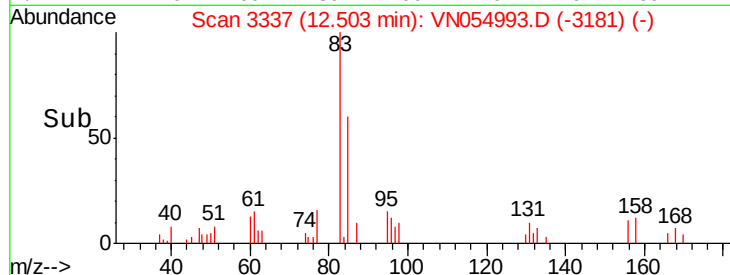
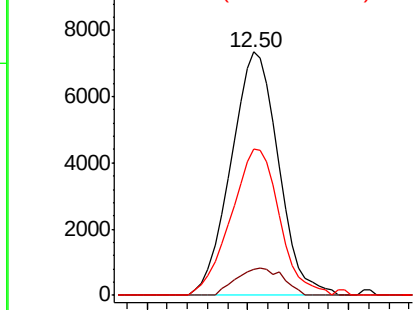
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.952 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	83	Resp	12086
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.6	13.8
85	61.6	30.9	92.5

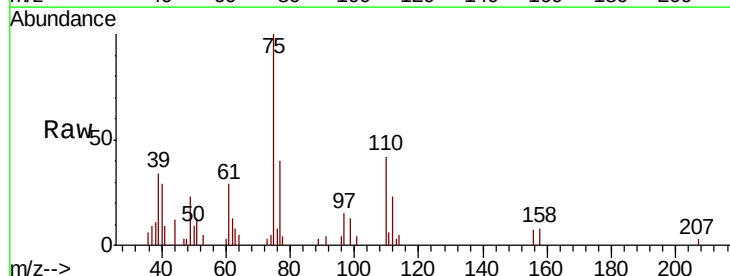


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

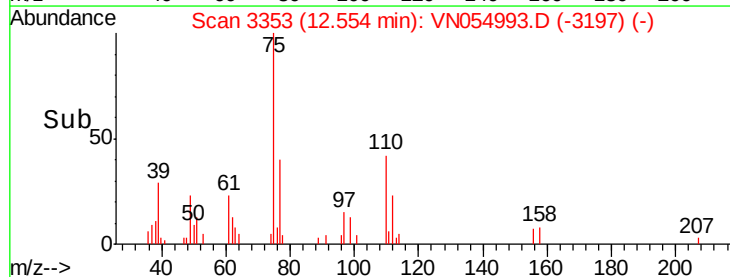
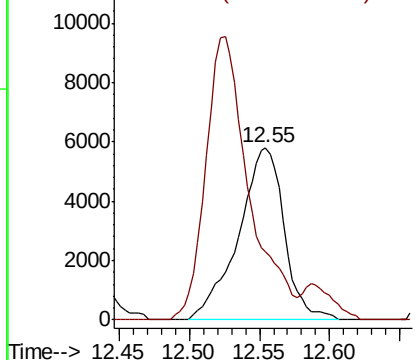


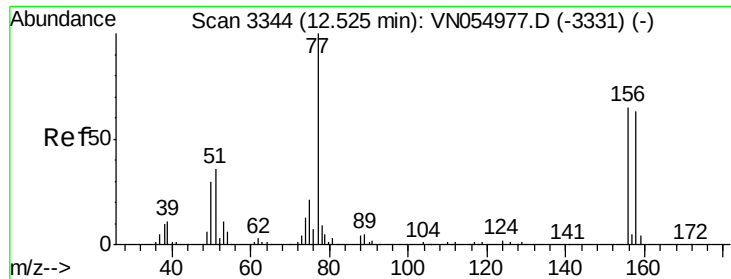
#72
 1,2,3-Trichloropropane
 Concen: 3.897 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion	75	Resp	13176
Ion Ratio	Lower	Upper	
75	100		
77	154.5	0.0	466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 2.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

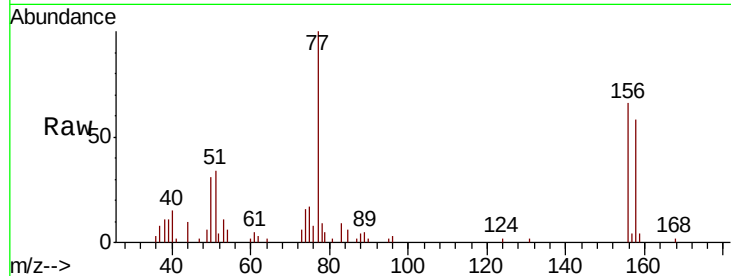
Tot Ion:156 Resp: 10920

Ion Ratio Lower Upper

156 100

77 186.4 0.0 383.2

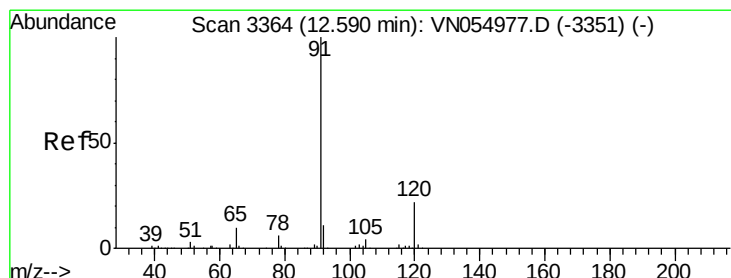
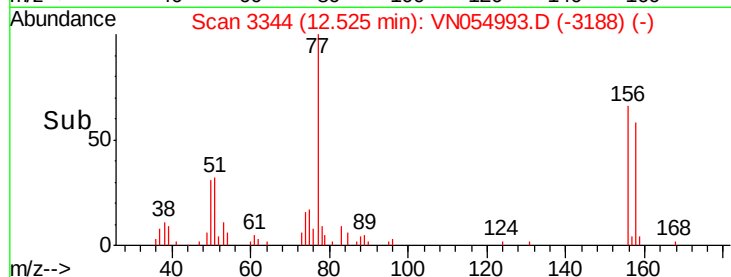
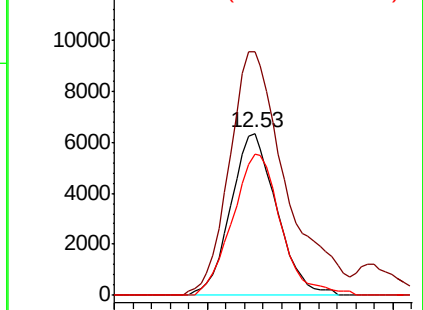
158 92.3 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.210 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054993.D

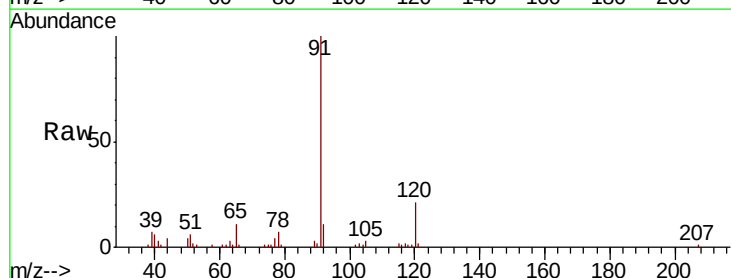
Acq: 12 Apr 2019 12:09

Tgt Ion: 91 Resp: 44272

Ion Ratio Lower Upper

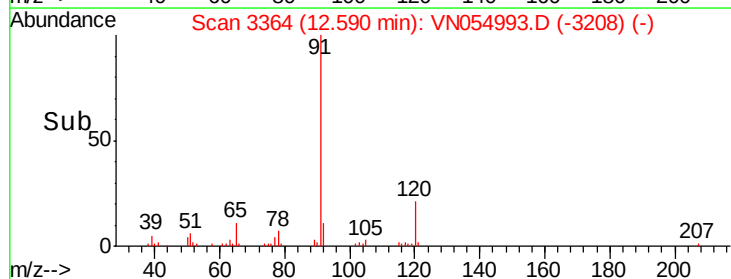
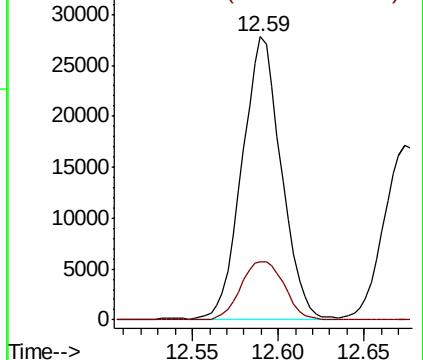
91 100

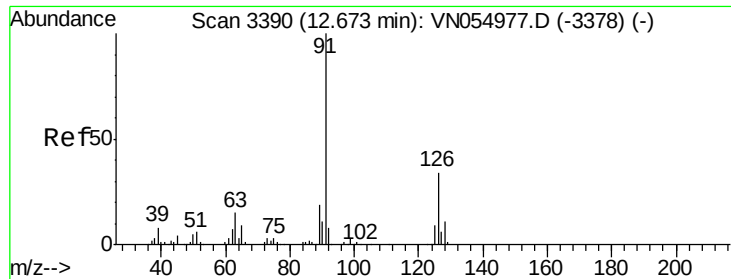
120 22.6 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.467 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

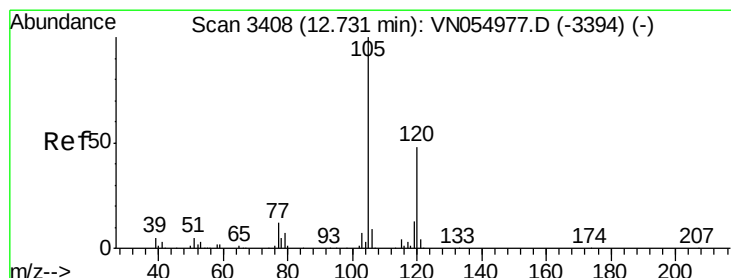
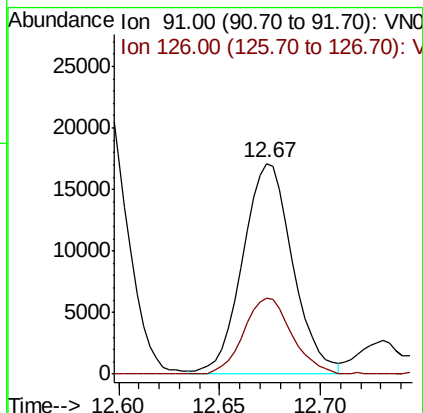
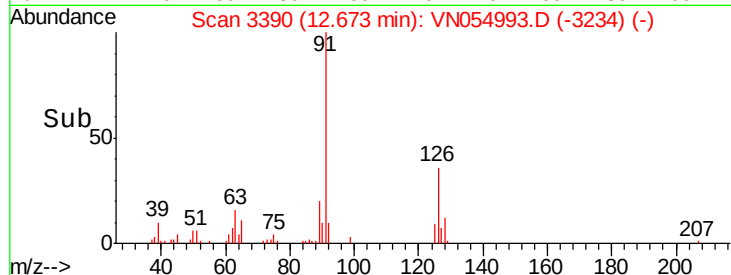
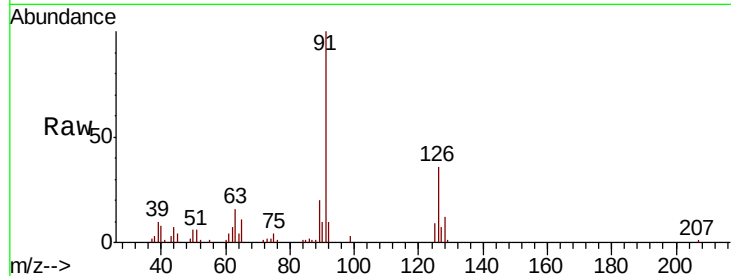
ClientSampled :

Tot Ion: 91 Resp: 29808

Ion Ratio Lower Upper

91 100

126 34.4 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 2.395 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054993.D

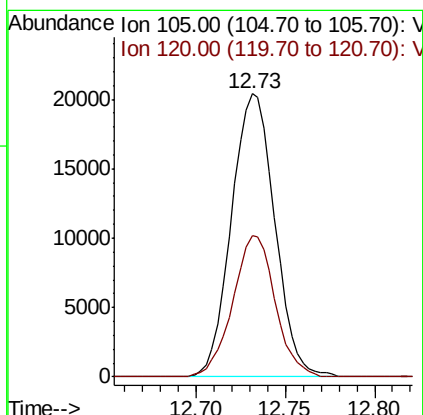
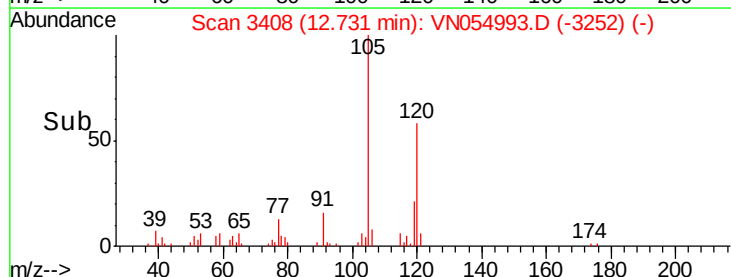
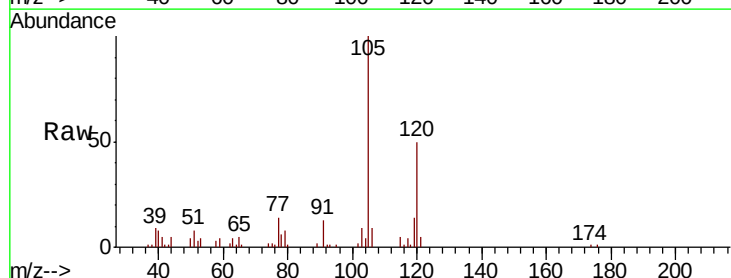
Acq: 12 Apr 2019 12:09

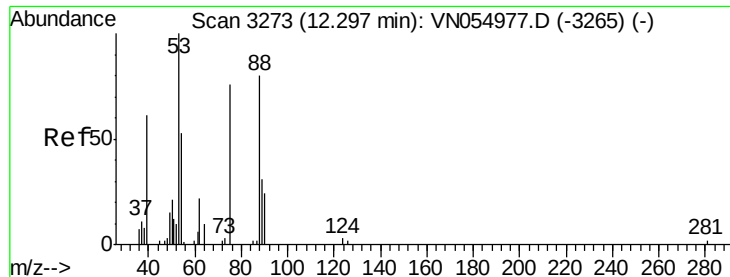
Tgt Ion: 105 Resp: 34649

Ion Ratio Lower Upper

105 100

120 48.8 0.0 94.8

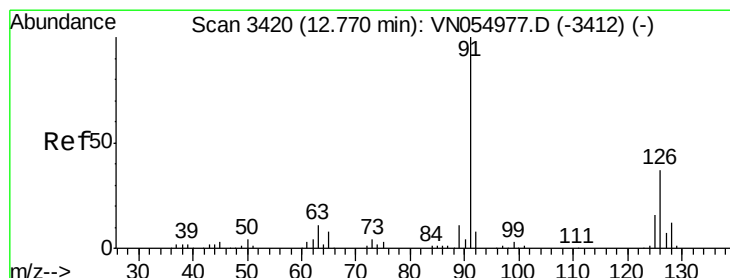
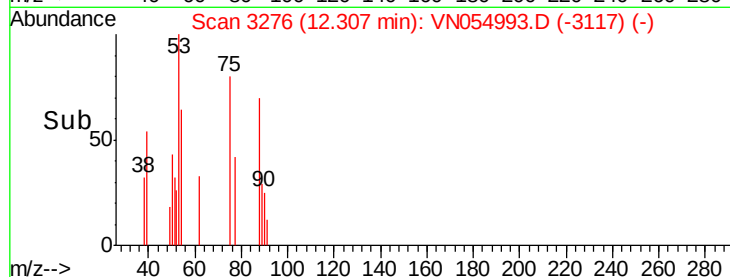
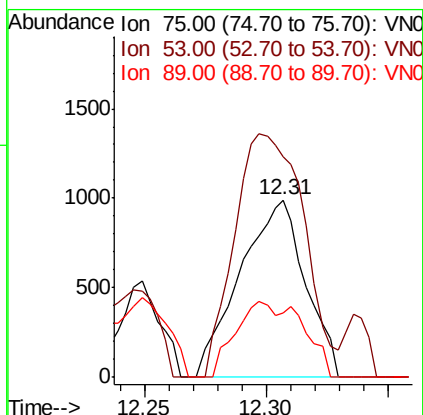
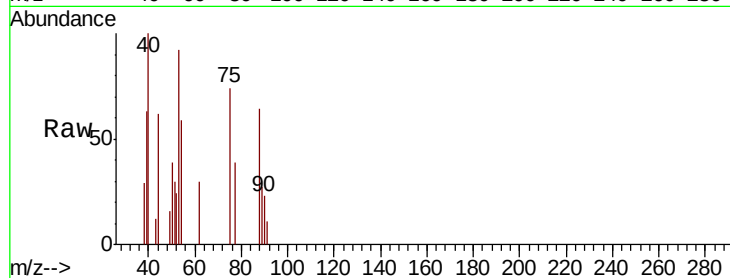




#77
t-1,4-Dichloro-2-butene
Concen: 2.163 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.01 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

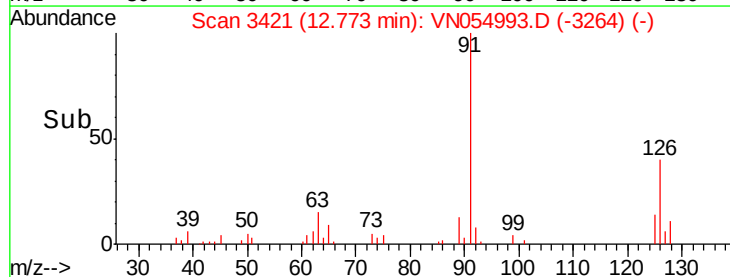
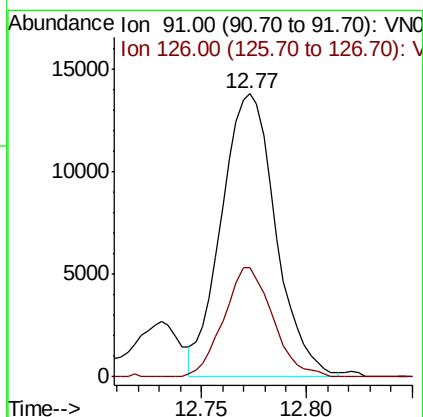
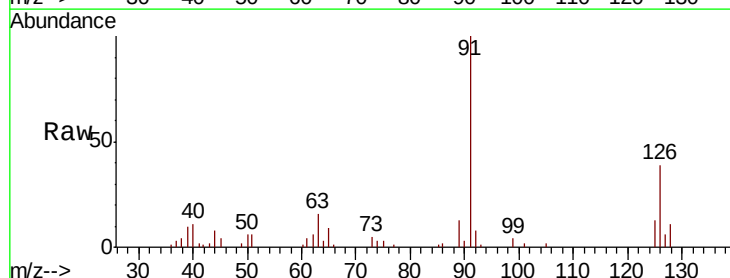
Instrument :
MSVOA_N
ClientSampleId :

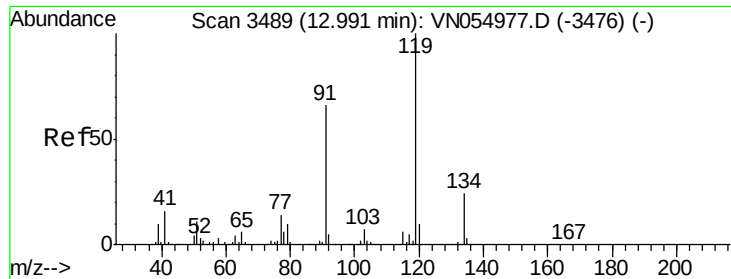
Tot Ion: 75 Resp: 1843
Ion Ratio Lower Upper
75 100
53 124.5 64.3 192.7
89 36.5 21.6 65.0



#78
4-Chlorotoluene
Concen: 2.151 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion: 91 Resp: 24764
Ion Ratio Lower Upper
91 100
126 34.8 0.0 66.6

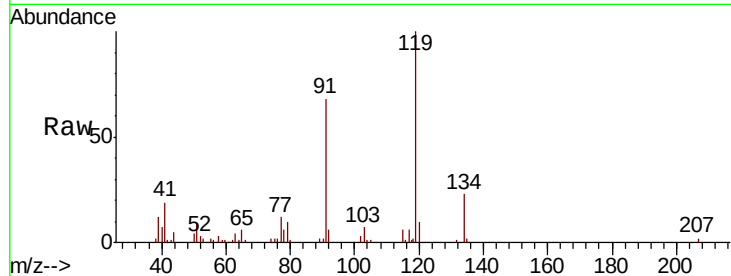




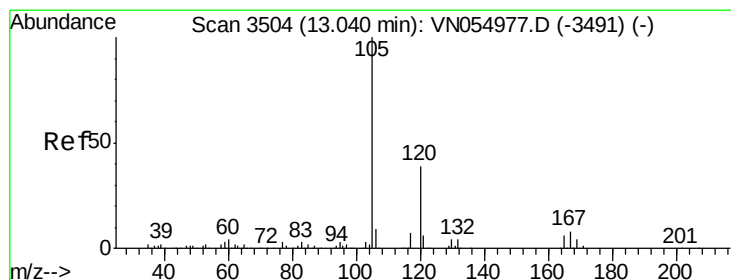
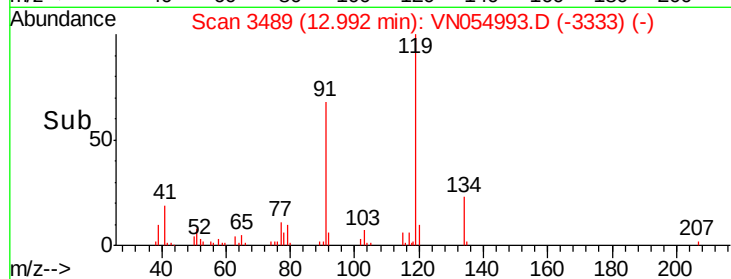
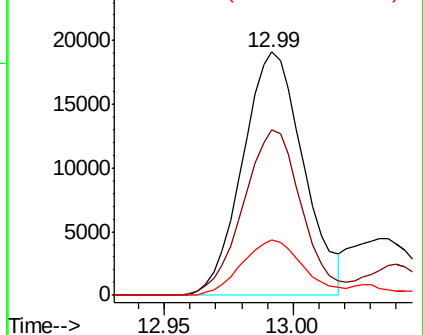
#79
tert-butylbenzene
Concen: 2.513 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 31466
Ion Ratio Lower Upper
119 100
91 65.6 0.0 132.6
134 23.1 0.0 47.6

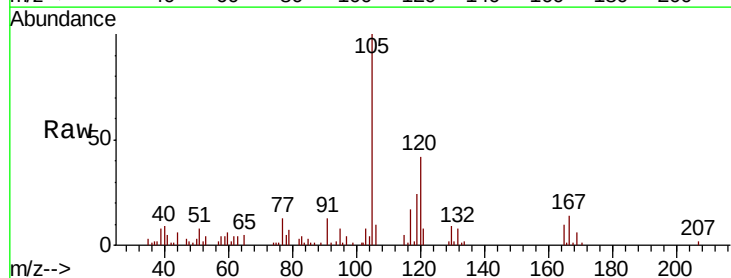


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

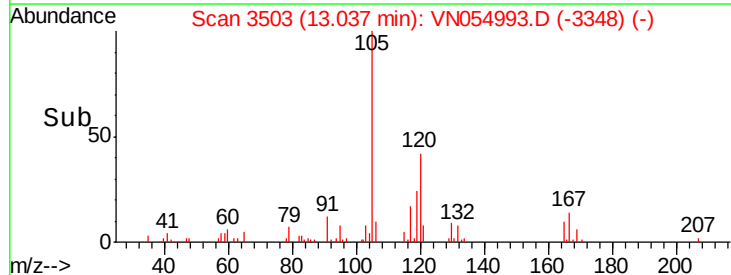
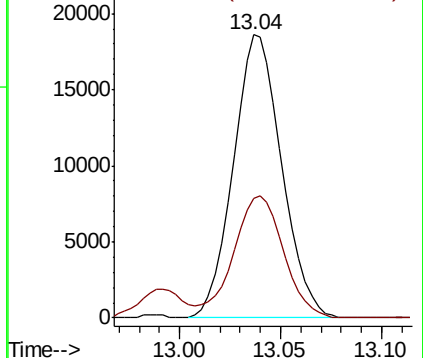


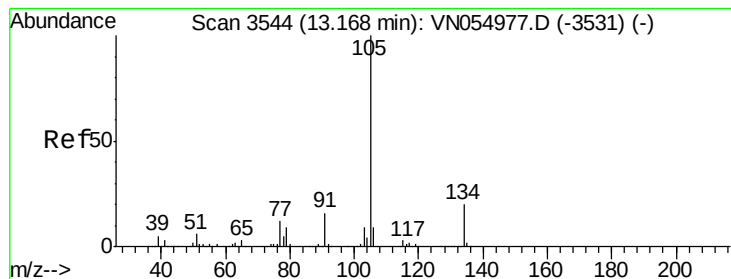
#80
1,2,4-Trimethylbenzene
Concen: 2.192 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054993.D
Acq: 12 Apr 2019 12:09

Tgt Ion:105 Resp: 31155
Ion Ratio Lower Upper
105 100
120 44.5 0.0 91.4



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





#81

sec-Butylbenzene

Concen: 2.272 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

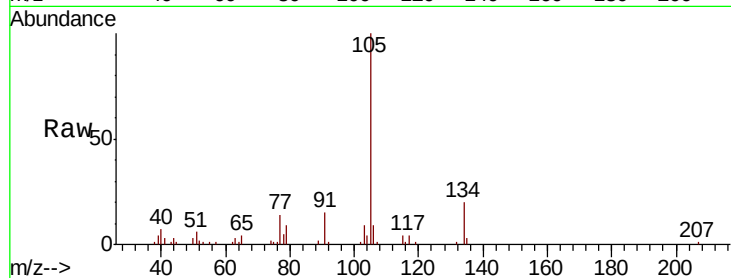
ClientSampled :

Tot Ion:105 Resp: 38006

Ion Ratio Lower Upper

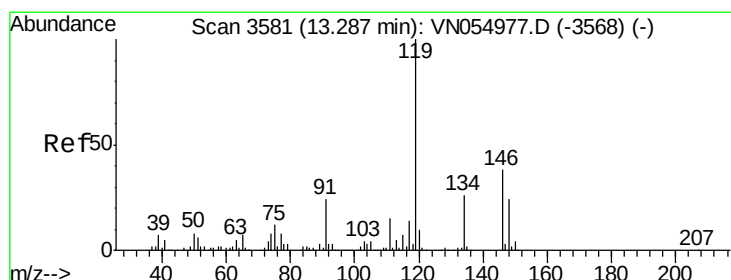
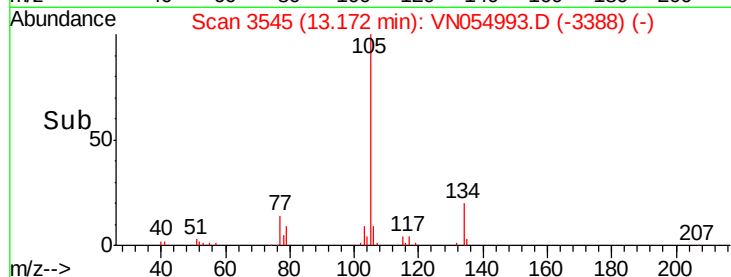
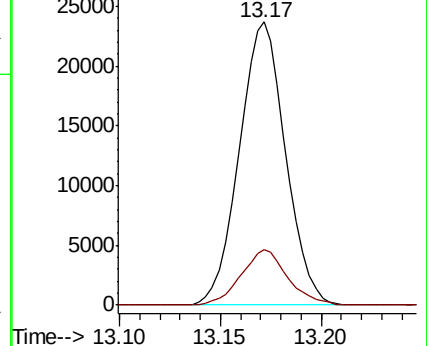
105 100

134 19.6 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.154 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

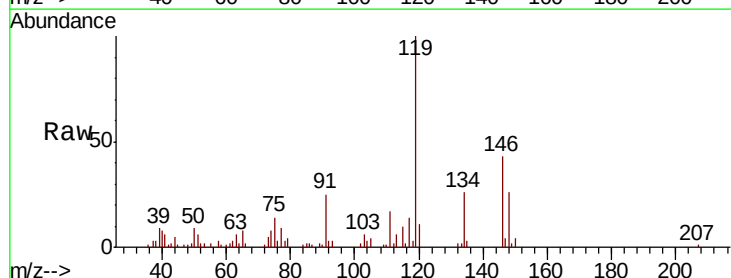
Tgt Ion:119 Resp: 30412

Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.2

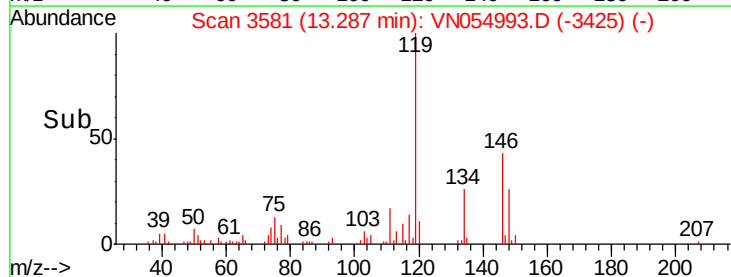
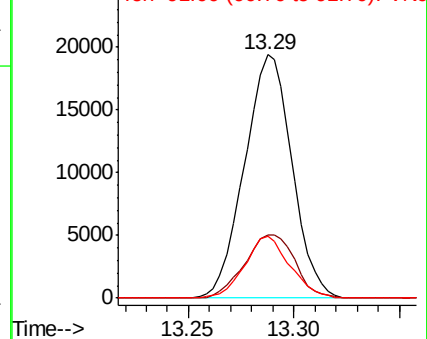
91 24.2 0.0 47.8

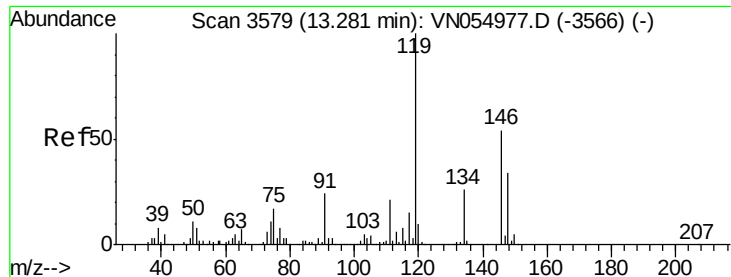


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

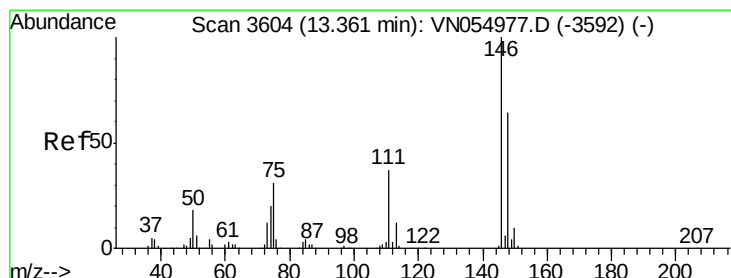
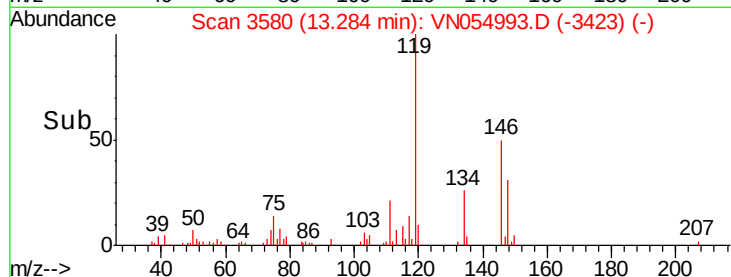
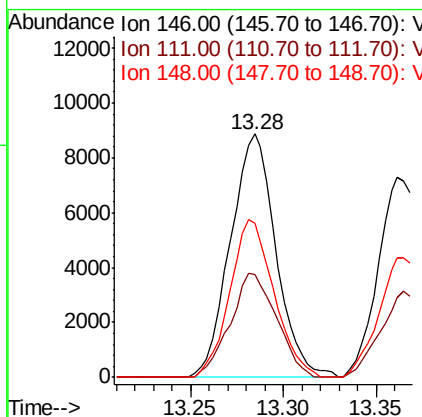
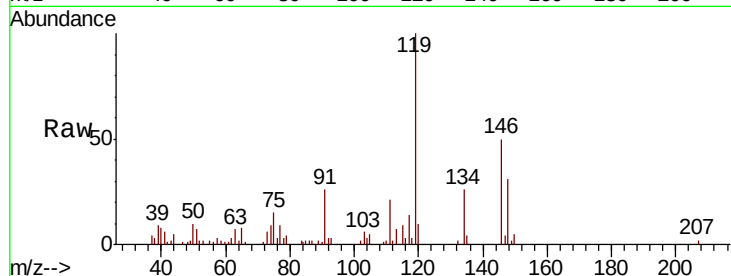




#83
 1,3-Dichlorobenzene
 Concen: 2.138 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

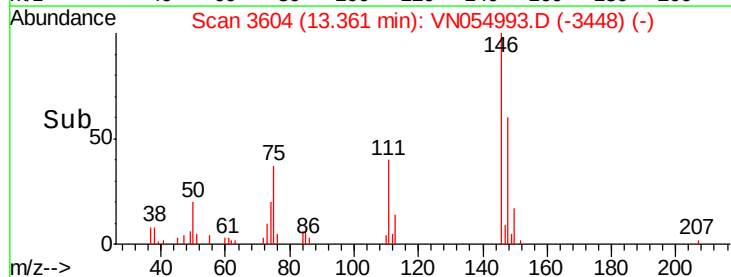
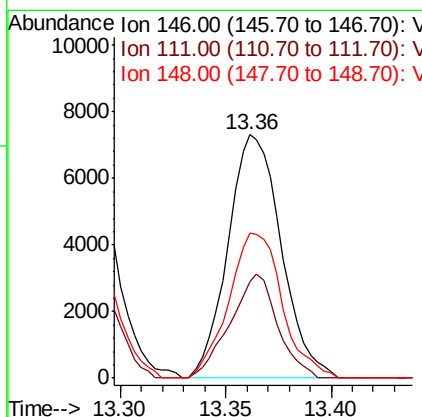
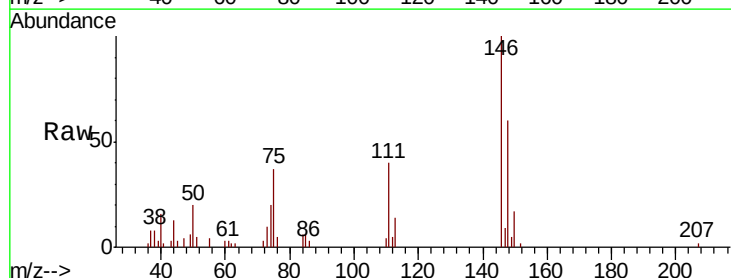
Instrument :
 MSVOA_N
 ClientSampled :

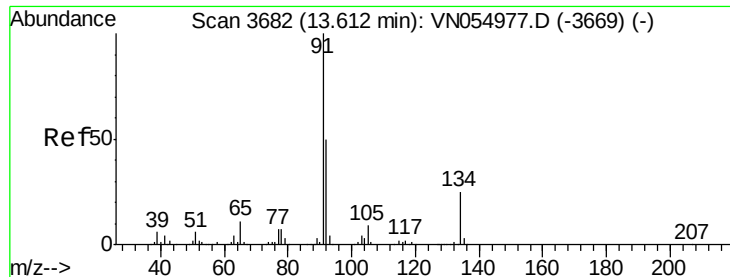
Tot Ion:146 Resp: 15130
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.1 57.5
 148 62.6 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 1.903 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion:146 Resp: 12798
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.2
 148 60.2 32.5 97.4





#85

n-Butylbenzene

Concen: 1.782 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

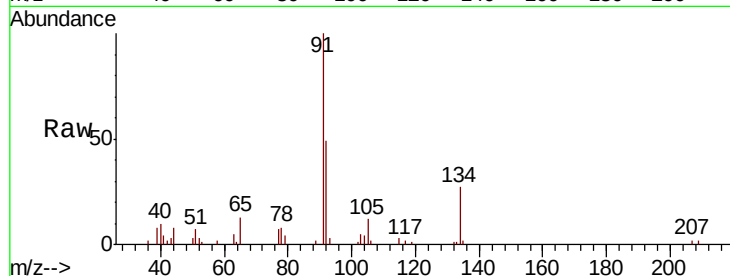
Tot Ion: 91 Resp: 20045

Ion Ratio Lower Upper

91 100

92 49.4 0.0 101.4

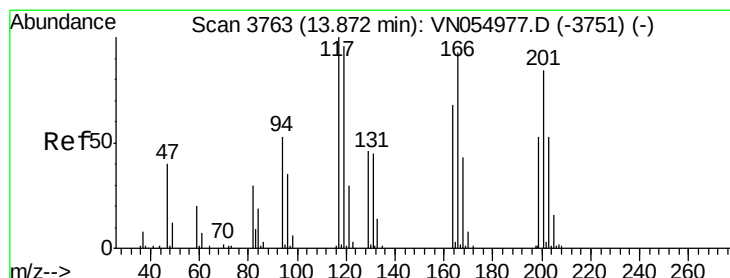
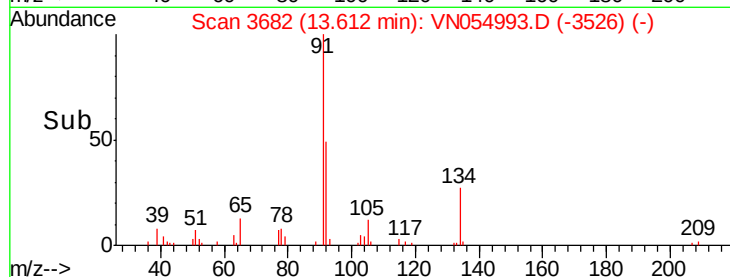
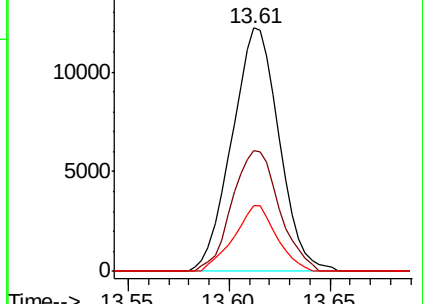
134 24.4 0.0 49.8



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

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

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



#86

Hexachloroethane

Concen: 2.202 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054993.D

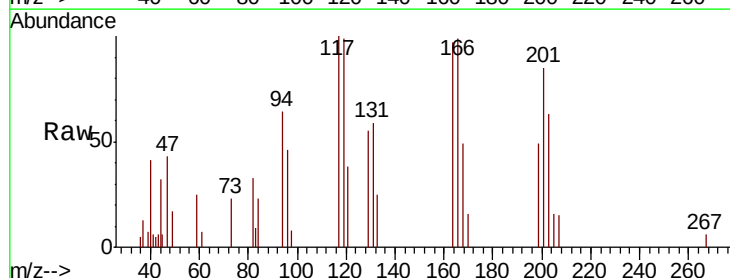
Acq: 12 Apr 2019 12:09

Tgt Ion: 117 Resp: 4977

Ion Ratio Lower Upper

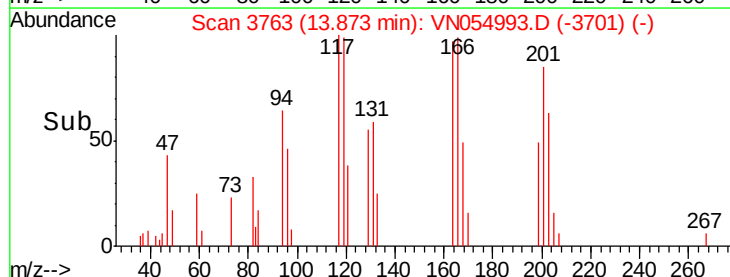
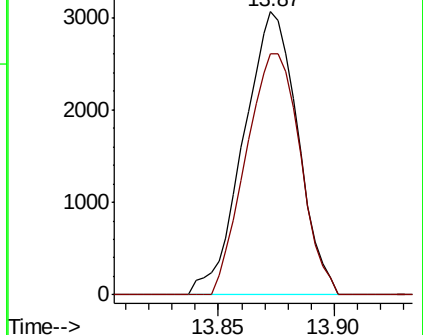
117 100

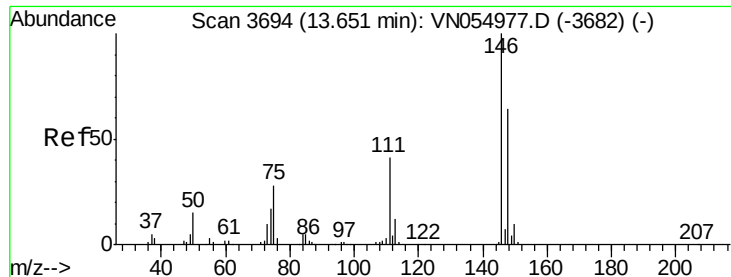
201 85.4 42.8 128.3



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

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

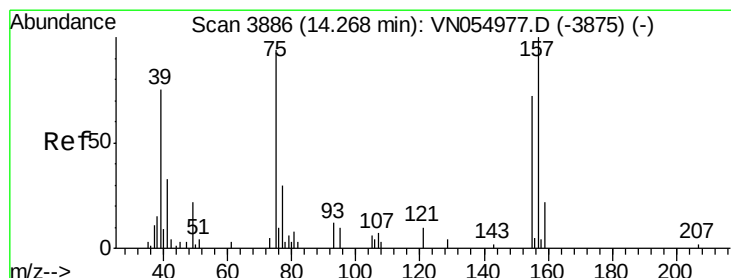
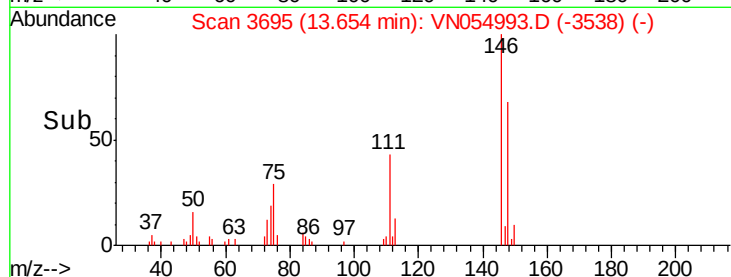
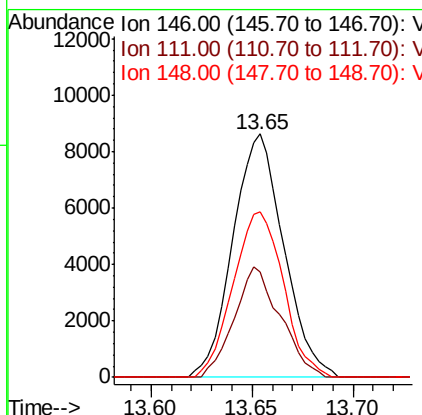
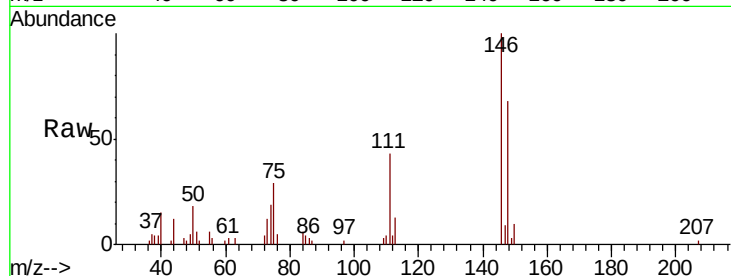




#87
 1,2-Dichlorobenzene
 Concen: 2.198 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

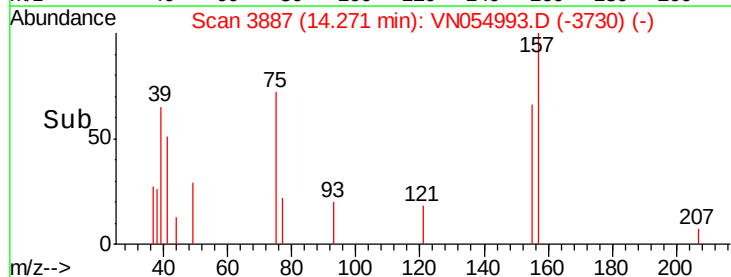
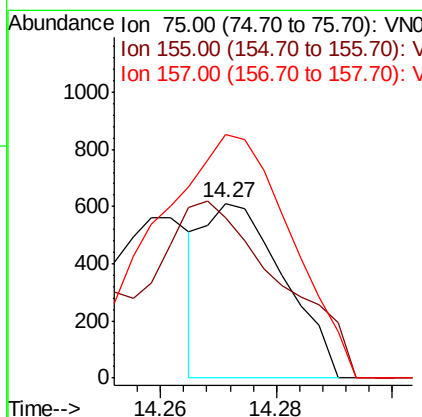
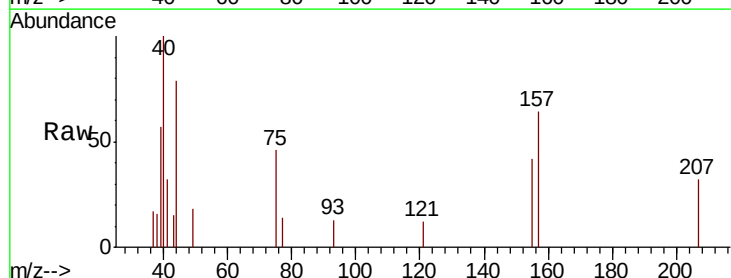
Instrument :
 MSVOA_N
 ClientSampled :

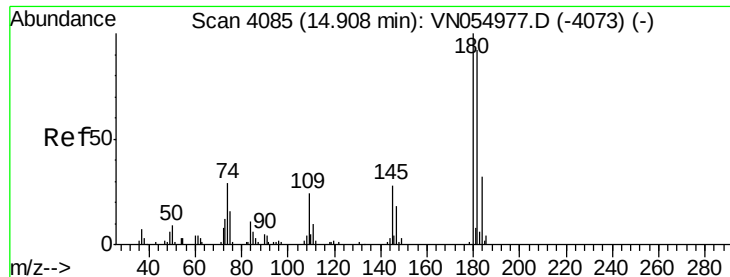
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	67.2	32.5	97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.068 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	149.6	61.8	92.8#
157	236.1	82.7	124.1#

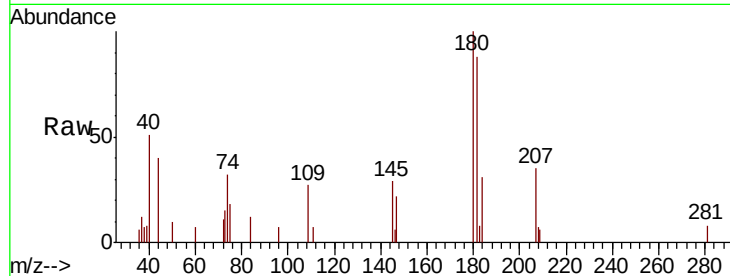




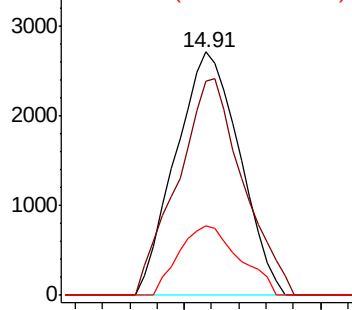
#89
 1,2,4-Trichlorobenzene
 Concen: 1.423 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

Instrument :
 MSVOA_N
 ClientSampled :

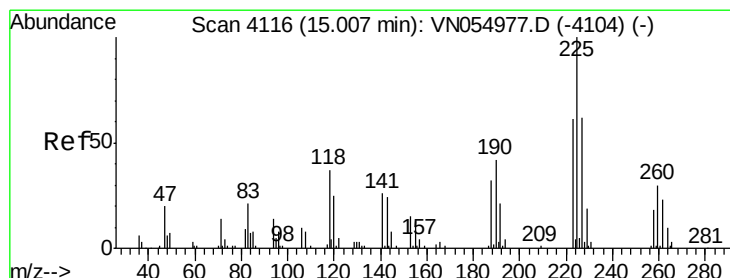
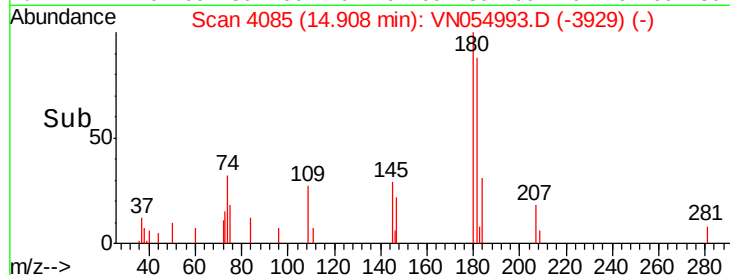
Tot Ion:180 Resp: 4408
 Ion Ratio Lower Upper
 180 100
 182 91.0 73.2 109.8
 145 27.1 23.2 34.8



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

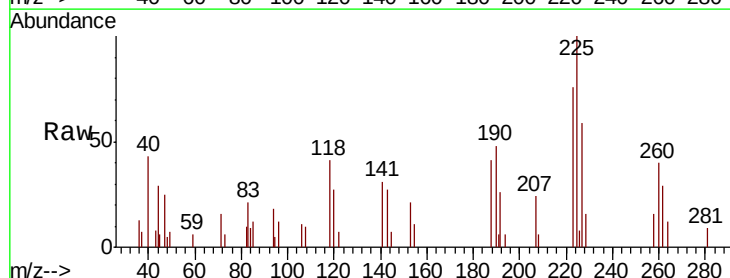


Time-->

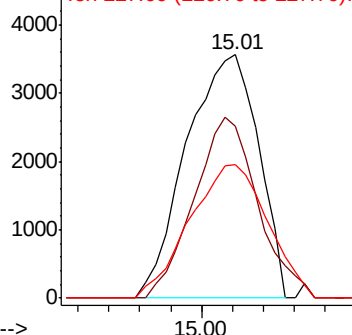


#90
 Hexachlorobutadiene
 Concen: 2.543 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054993.D
 Acq: 12 Apr 2019 12:09

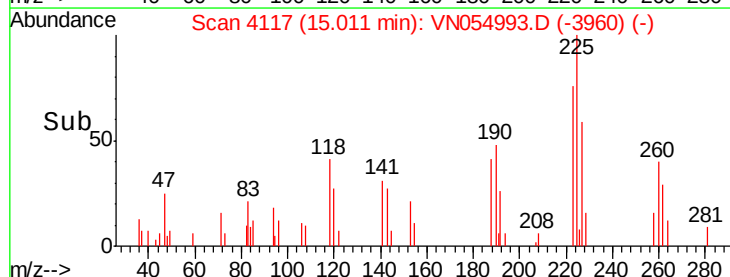
Tgt Ion:225 Resp: 5746
 Ion Ratio Lower Upper
 225 100
 223 66.1 0.0 126.0
 227 59.6 0.0 125.4

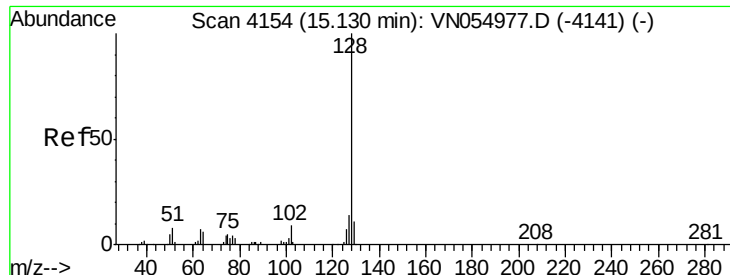


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time-->





#91

Naphthalene

Concen: 1.591 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

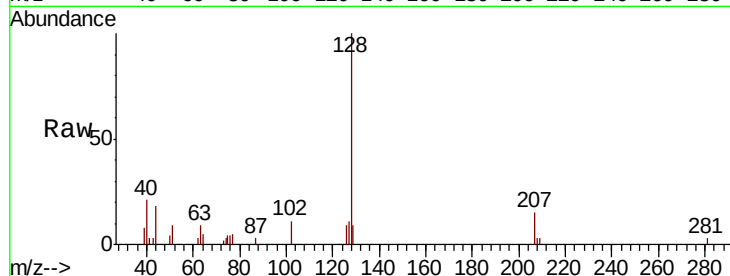
Tot Ion:128 Resp: 10326

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

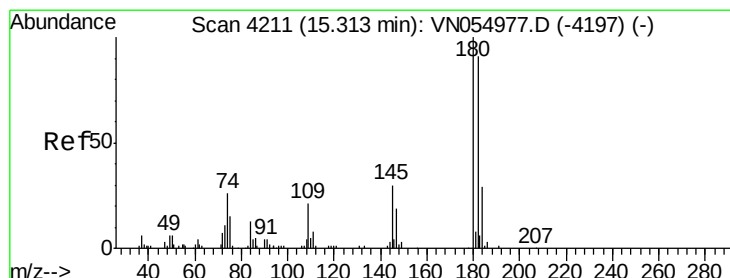
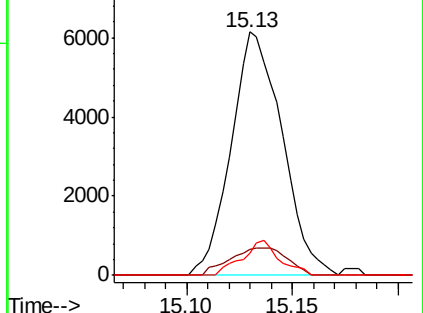
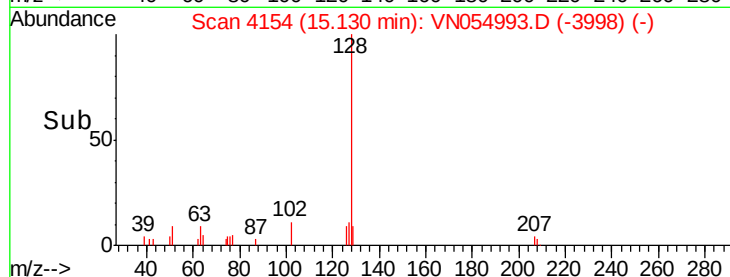
129 10.4 9.0 13.6



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: 1.821 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054993.D

Acq: 12 Apr 2019 12:09

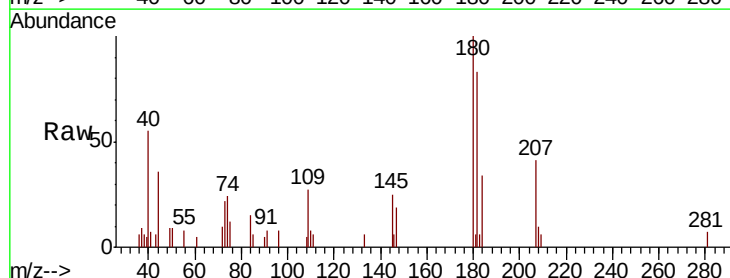
Tgt Ion:180 Resp: 5642

Ion Ratio Lower Upper

180 100

182 83.8 0.0 188.2

145 30.3 0.0 61.2



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

