

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054819.D
 Acq On : 30 Mar 2019 23:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Mar 31 04:42:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	418748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	721143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	305101	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	237925	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	882564	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	295736	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200405	47.314	ug/l	97
3) Chloromethane	2.06	50	283243	48.363	ug/l	99
4) Vinyl Chloride	2.19	62	260167	49.468	ug/l	99
5) Bromomethane	2.57	94	123863	44.681	ug/l	98
6) Chloroethane	2.71	64	143425	48.838	ug/l	100
7) Trichlorofluoromethane	3.02	101	329225	50.917	ug/l	99
8) Diethyl Ether	3.41	74	112949	54.249	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167223	49.128	ug/l	93
10) Methyl Iodide	3.94	142	185836	39.881	ug/l #	89
11) Tert butyl alcohol	4.83	59	108071	367.456	ug/l	100
12) 1,1-Dichloroethene	3.73	96	171879	52.217	ug/l #	75
13) Acrolein	3.61	56	75853	288.496	ug/l	97
14) Allyl chloride	4.31	41	413818	51.040	ug/l #	91
15) Acrylonitrile	5.00	53	511200	312.711	ug/l	100
16) Acetone	3.82	43	360806	268.039	ug/l #	82
17) Carbon Disulfide	4.04	76	453143	42.445	ug/l	99
18) Methyl Acetate	4.33	43	237644	68.113	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	668294	58.042	ug/l	95
20) Methylene Chloride	4.55	84	249171	52.477	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	229276	53.030	ug/l	87
22) Diisopropyl ether	5.96	45	903194	56.324	ug/l #	94
23) Vinyl Acetate	5.90	43	3409220	305.506	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	462698	54.091	ug/l	99
25) 2-Butanone	6.85	43	660598	331.995	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	224736	37.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	267832	54.837	ug/l	91
28) Bromochloromethane	7.19	49	240703	56.274	ug/l #	71
29) Tetrahydrofuran	7.22	42	452056	327.102	ug/l #	83
30) Chloroform	7.37	83	452030	55.419	ug/l	99
31) Cyclohexane	7.65	56	420407	54.107	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	373170	55.207	ug/l	96
36) 1,1-Dichloropropene	7.79	75	332550	49.489	ug/l	96
37) Ethyl Acetate	6.94	43	294107	59.685	ug/l #	94
38) Carbon Tetrachloride	7.77	117	322062	49.346	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348412	47.162	ug/l	88
40) Benzene	8.04	78	1012396	52.654	ug/l	99
41) Methacrylonitrile	7.18	41	164256	59.338	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	365207	53.196	ug/l	97
43) Isopropyl Acetate	8.17	43	499005	62.323	ug/l #	94
44) Trichloroethene	8.84	130	253156	50.720	ug/l	90
45) 1,2-Dichloropropane	9.12	63	285242	52.027	ug/l	98
46) Dibromomethane	9.21	93	166389	53.950	ug/l	89
47) Bromodichloromethane	9.40	83	349471	54.522	ug/l	97
48) Methyl methacrylate	9.20	41	251547	57.956	ug/l	89
49) 1,4-Dioxane	9.21	88	58378	1355.566	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1466177	325.699	ug/l	92
52) Toluene	10.16	92	602917	52.697	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	320425	53.143	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	382788	53.147	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232237	54.590	ug/l	97
56) Ethyl methacrylate	10.43	69	330789	59.274	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	403291	55.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638632	265.013	ug/l	89
59) 2-Hexanone	10.75	43	930390	322.854	ug/l	90
60) Dibromochloromethane	10.90	129	244981	56.848	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227828	56.038	ug/l	100
64) Tetrachloroethene	10.63	164	241028	50.307	ug/l	96
65) Chlorobenzene	11.43	112	619978	50.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	242055	52.902	ug/l	99
67) Ethyl Benzene	11.51	91	1126337	51.059	ug/l	97
68) m/p-Xylenes	11.62	106	828141	101.446	ug/l	94
69) o-Xylene	11.95	106	403588	50.417	ug/l	94
70) Styrene	11.96	104	680130	53.138	ug/l	97
71) Bromoform	12.13	173	156519	58.391	ug/l #	100
73) Isopropylbenzene	12.25	105	1076578	48.671	ug/l	98
74) N-amyl acetate	12.07	43	400375	58.100	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	293138	60.475	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	347750	73.968	ug/l #	100
77) Bromobenzene	12.53	156	268017	50.205	ug/l	84
78) n-propylbenzene	12.59	91	1186673	48.811	ug/l	96
79) 2-Chlorotoluene	12.68	91	723974	48.134	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	871477	48.016	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	61422	50.819	ug/l	85
82) 4-Chlorotoluene	12.77	91	718546	49.185	ug/l	96
83) tert-Butylbenzene	12.99	119	752633	53.673	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	866774	50.128	ug/l	96
85) sec-Butylbenzene	13.17	105	947651	48.064	ug/l	96
86) p-Isopropyltoluene	13.29	119	826411	47.523	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	441083	49.350	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	429778	49.026	ug/l	98
89) n-Butylbenzene	13.62	91	663865	46.791	ug/l	97
90) Hexachloroethane	13.88	117	147110	49.826	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441791	48.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45154	59.714	ug/l	86

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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

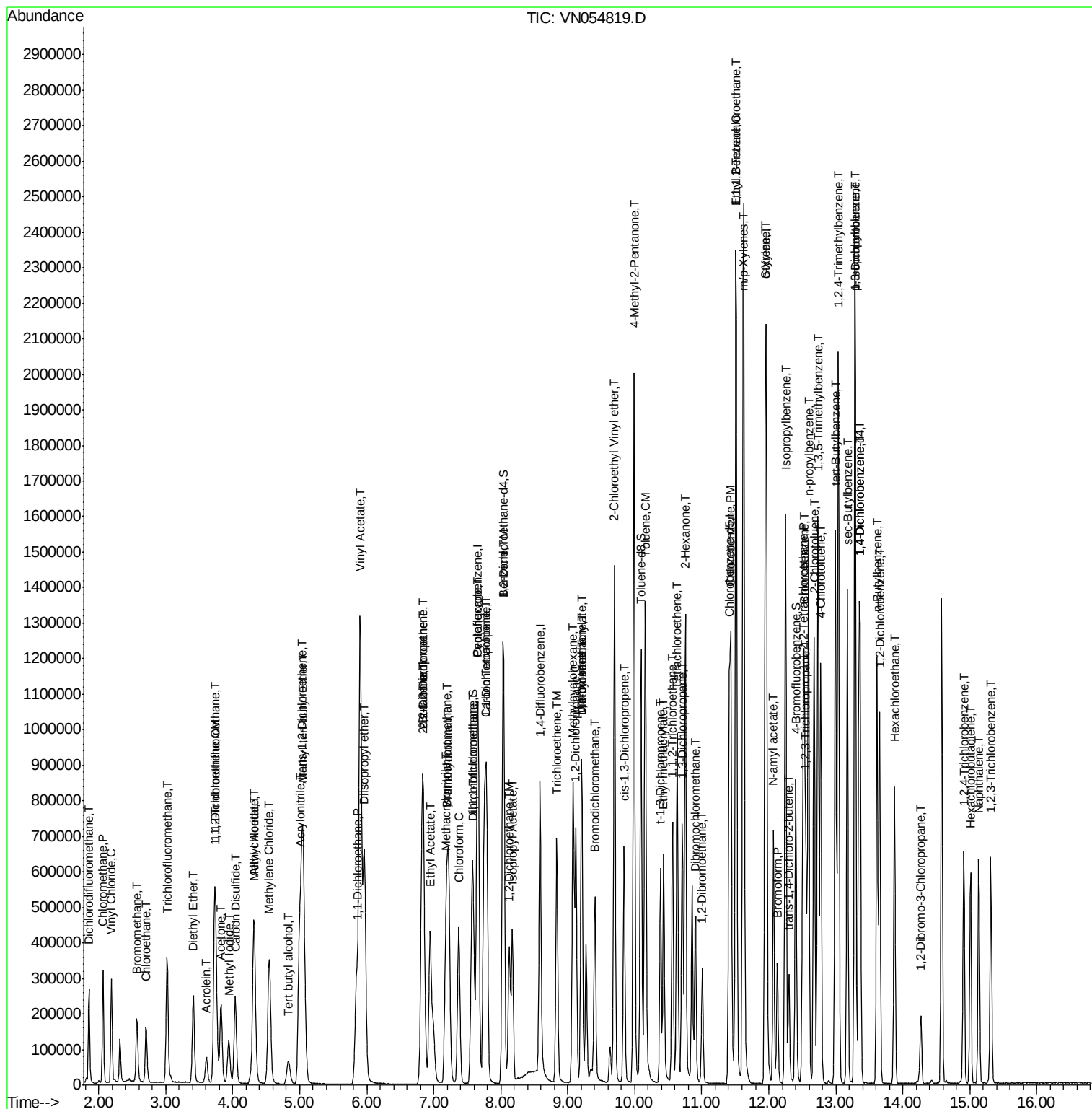
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212882	48.952	ug/l	99
94) Hexachlorobutadiene	15.01	225	120511	46.651	ug/l	99
95) Naphthalene	15.13	128	532356	54.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	217551	49.534	ug/l	98

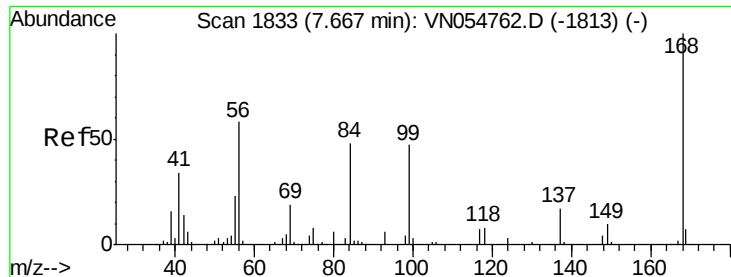
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

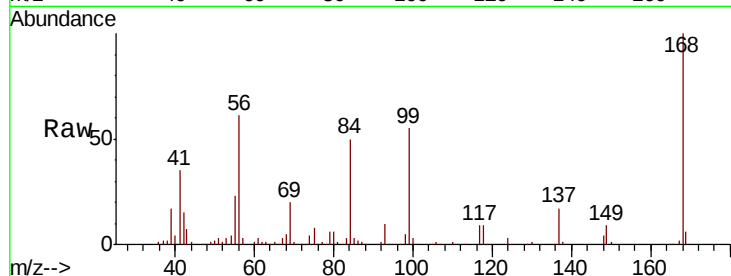
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Tot Ion:168 Resp: 418748

Ion Ratio Lower Upper

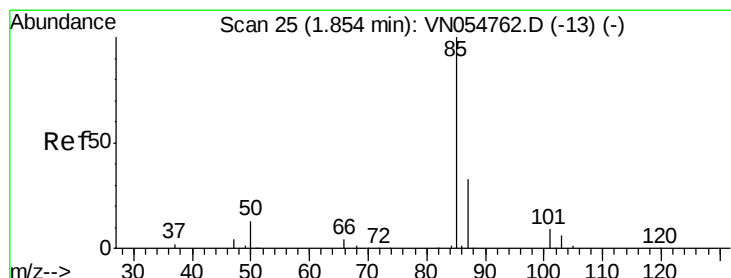
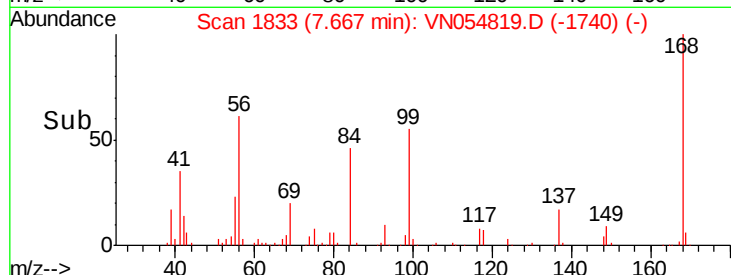
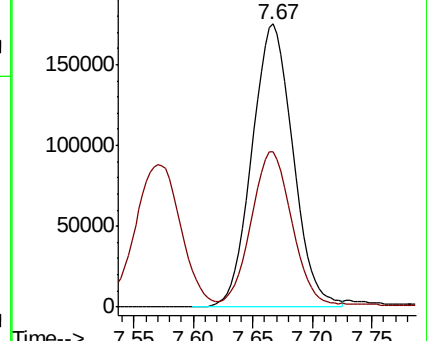
168 100

99 53.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 47.314 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054819.D

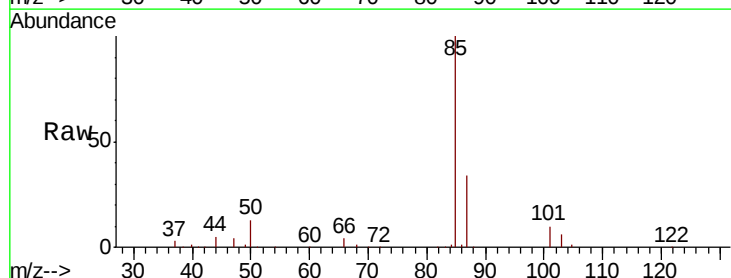
Acq: 30 Mar 2019 23:04

Tgt Ion: 85 Resp: 200405

Ion Ratio Lower Upper

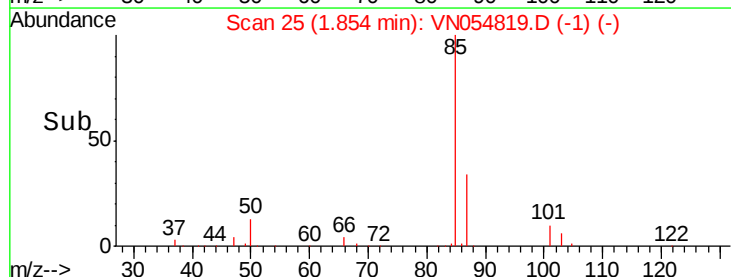
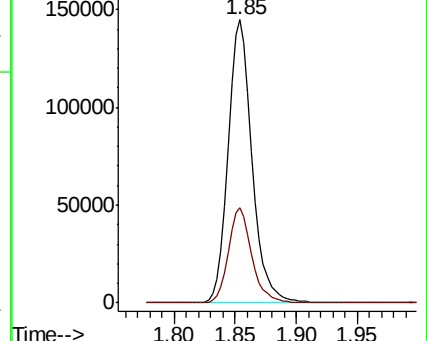
85 100

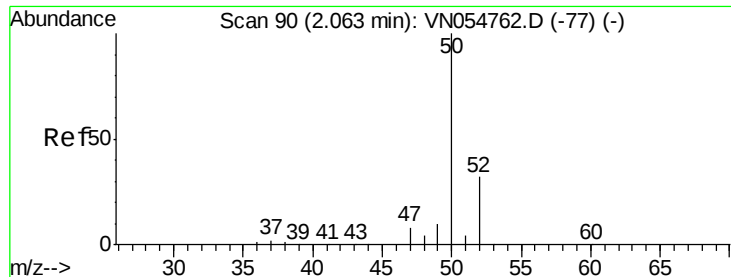
87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 48.363 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

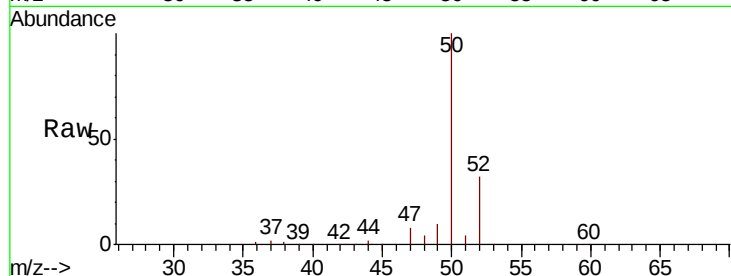
BFB

Tot Ion: 50 Resp: 283243

Ion Ratio Lower Upper

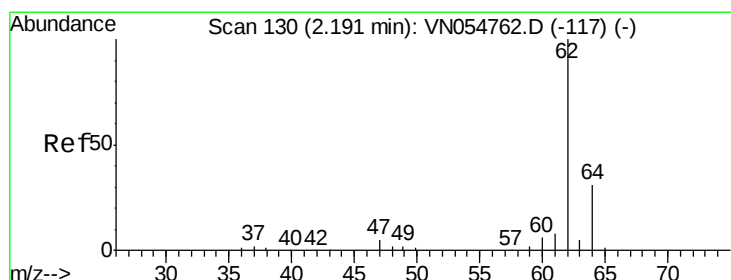
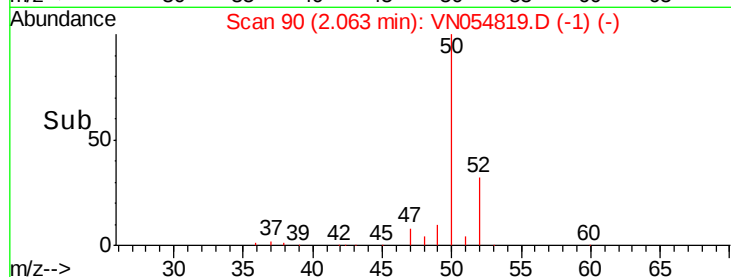
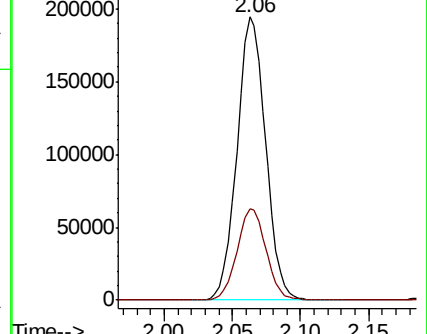
50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.468 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054819.D

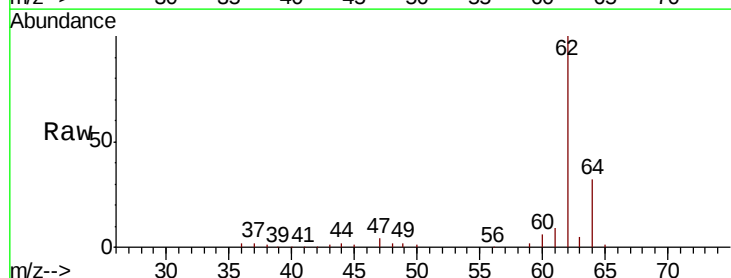
Acq: 30 Mar 2019 23:04

Tgt Ion: 62 Resp: 260167

Ion Ratio Lower Upper

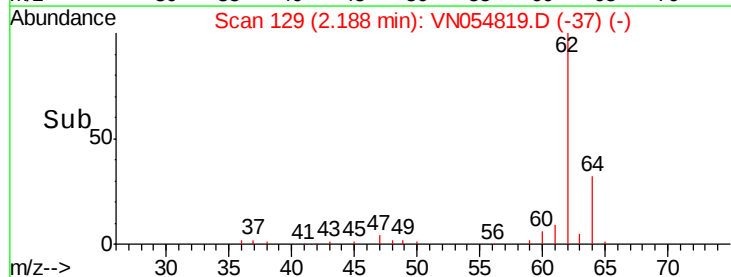
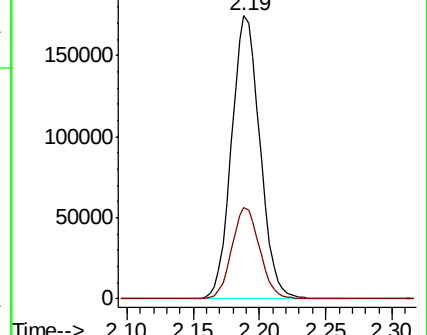
62 100

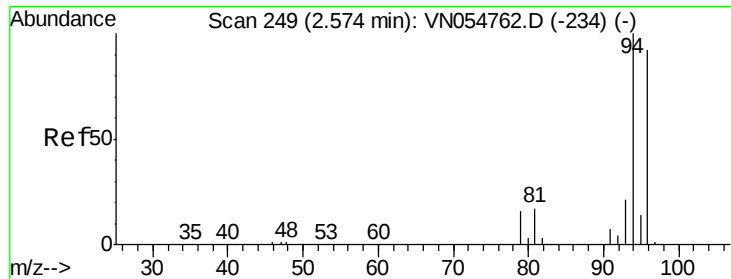
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.681 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

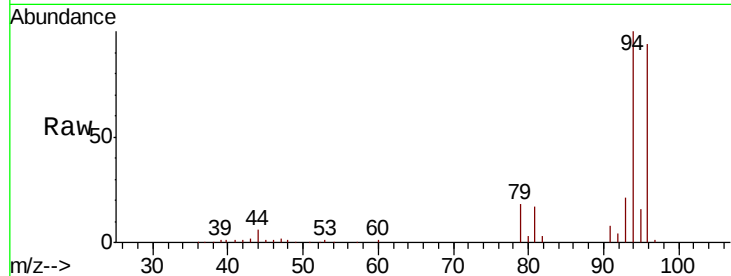
BFB

Tot Ion: 94 Resp: 123863

Ion Ratio Lower Upper

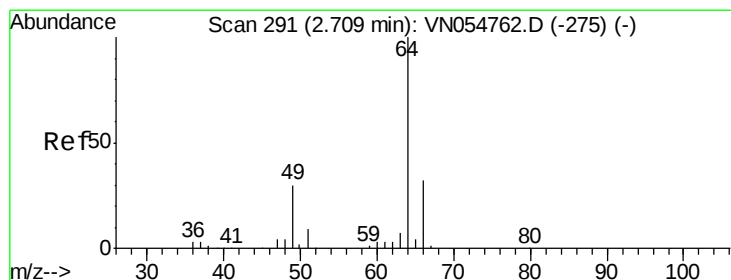
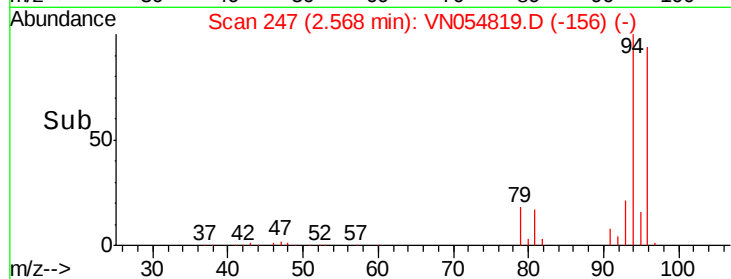
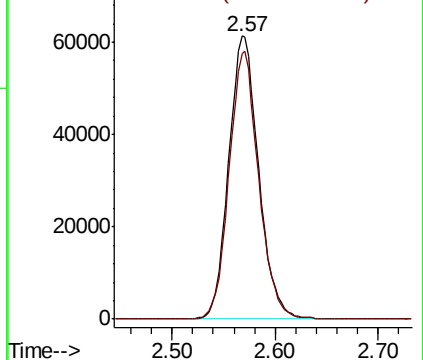
94 100

96 93.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.838 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054819.D

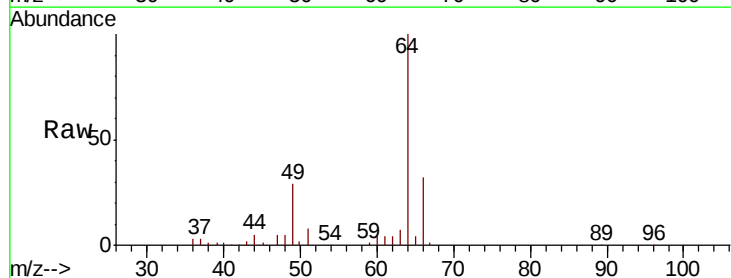
Acq: 30 Mar 2019 23:04

Tgt Ion: 64 Resp: 143425

Ion Ratio Lower Upper

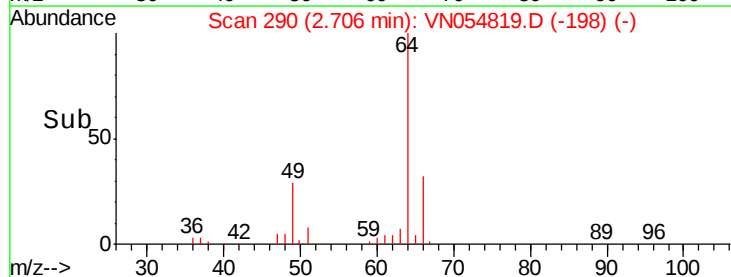
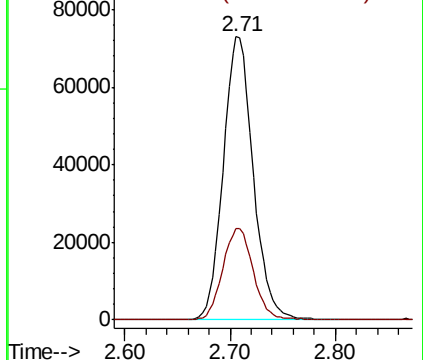
64 100

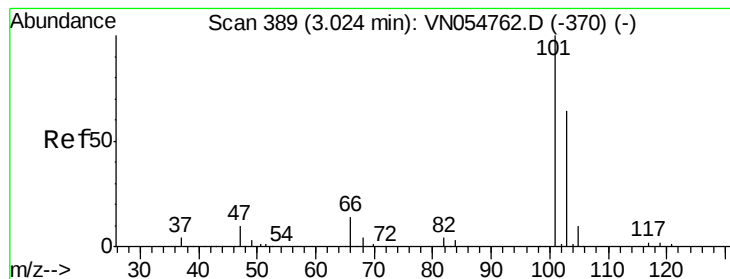
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



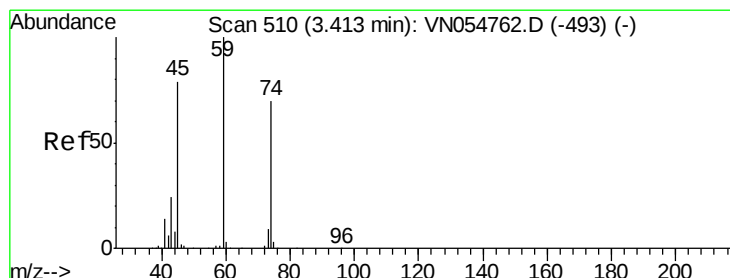
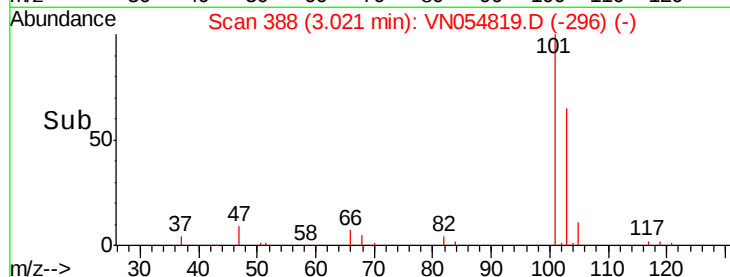
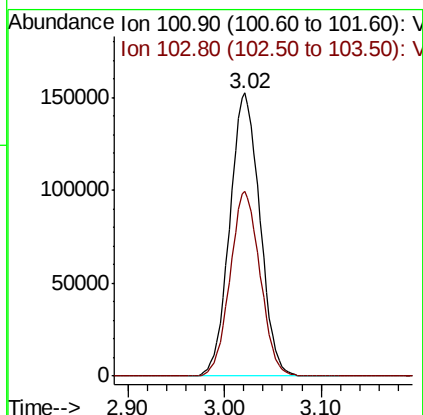
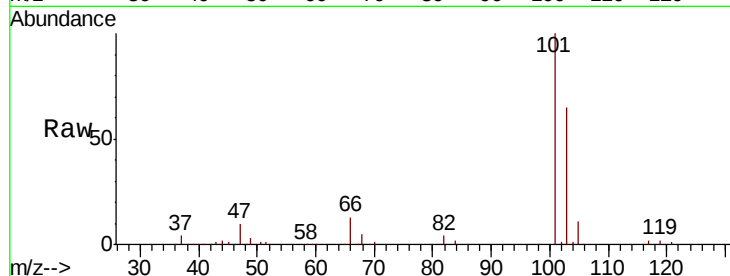


#7

Trichlorofluoromethane
 Concen: 50.917 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
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 ClientSampled :
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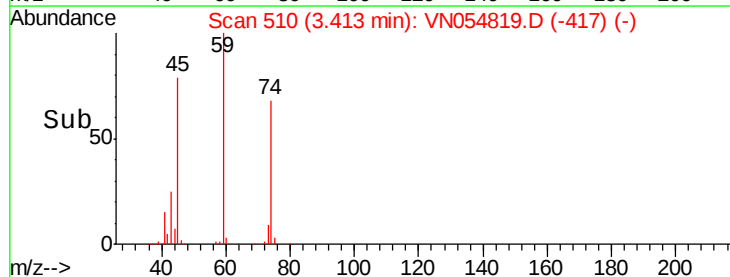
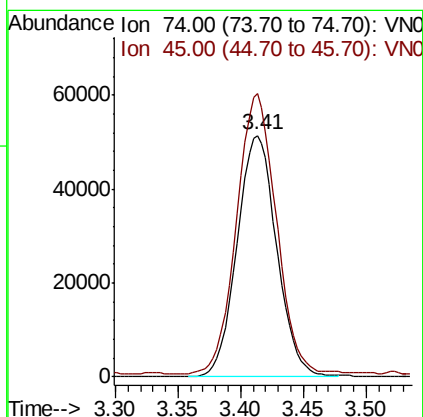
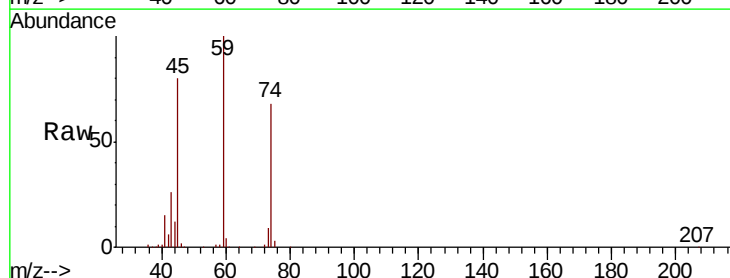
Tot Ion:101 Resp: 329225
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

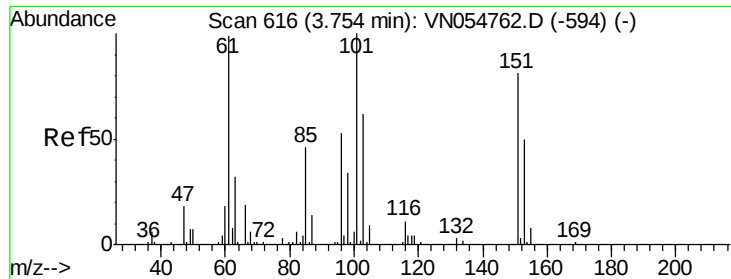


#8

Diethyl Ether
 Concen: 54.249 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 74 Resp: 112949
 Ion Ratio Lower Upper
 74 100
 45 116.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.128 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

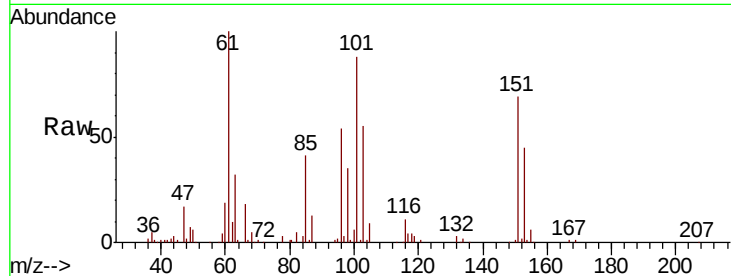
Tot Ion:101 Resp: 167223

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

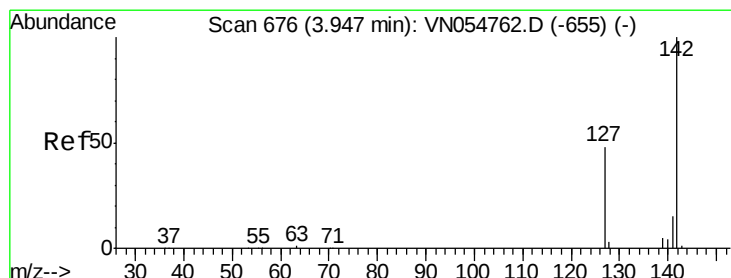
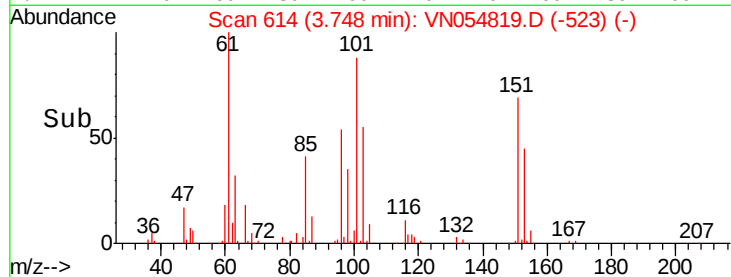
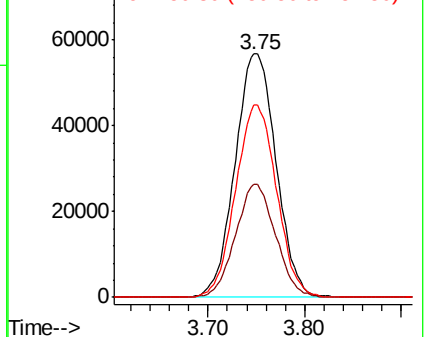
151 78.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.881 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

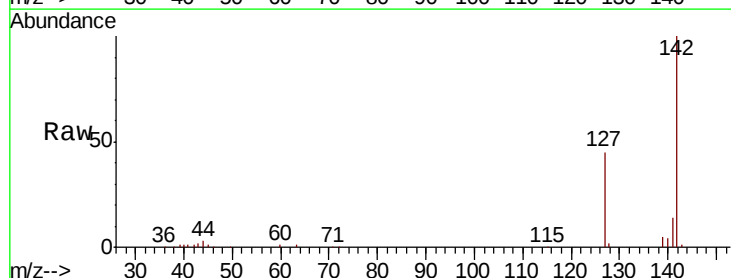
Tgt Ion:142 Resp: 185836

Ion Ratio Lower Upper

142 100

127 46.9 30.3 45.5#

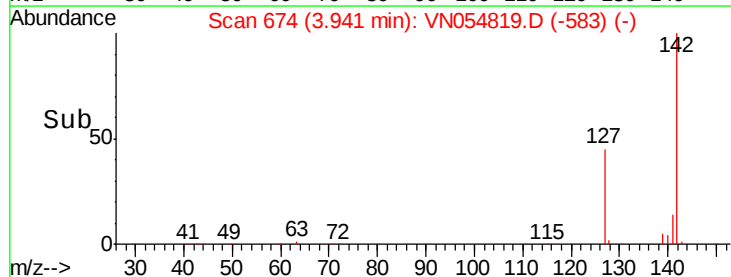
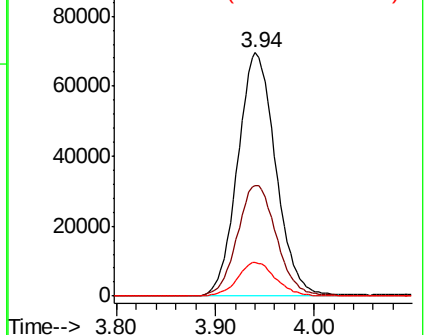
141 14.0 11.2 16.8

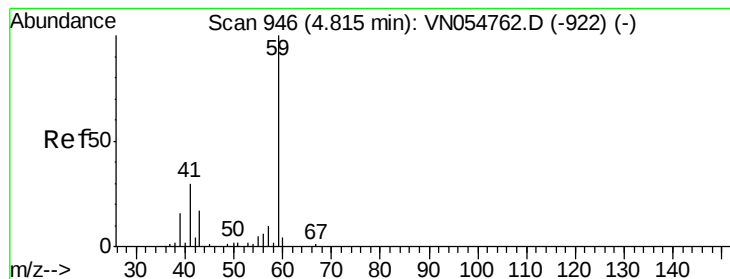


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



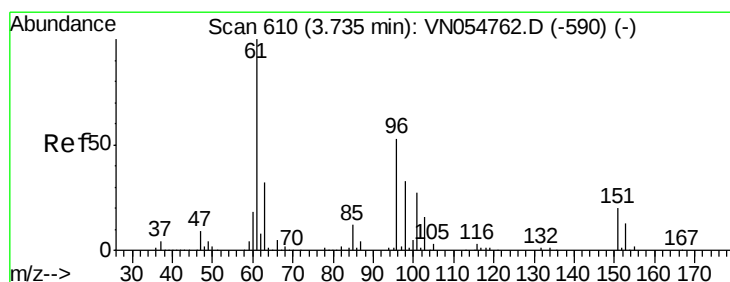
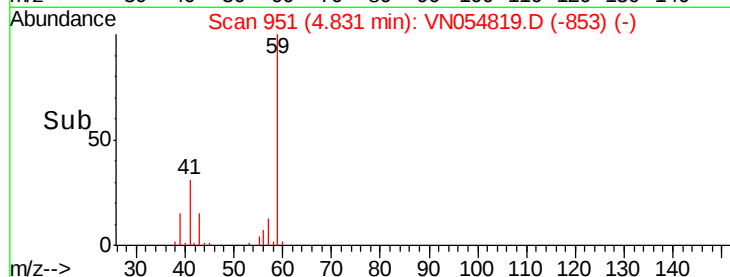
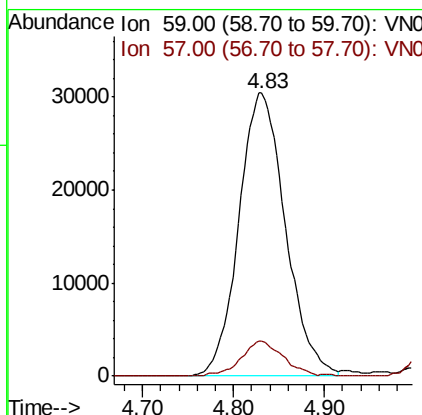
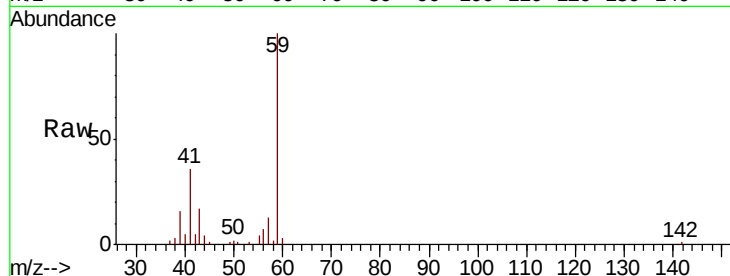


#11

Tert butyl alcohol
 Concen: 367.456 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

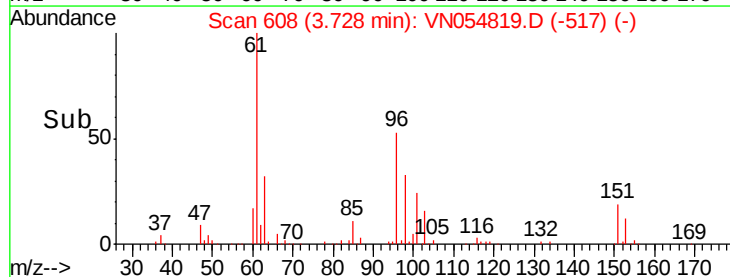
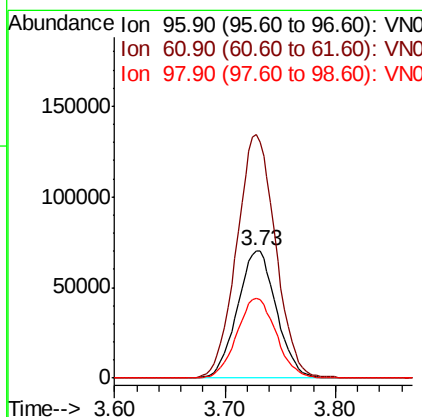
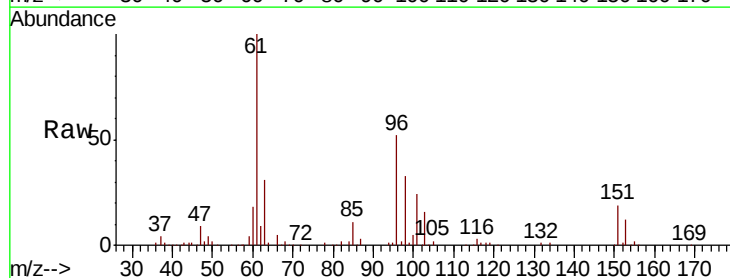
Tot Ion: 59 Resp: 108071
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.6

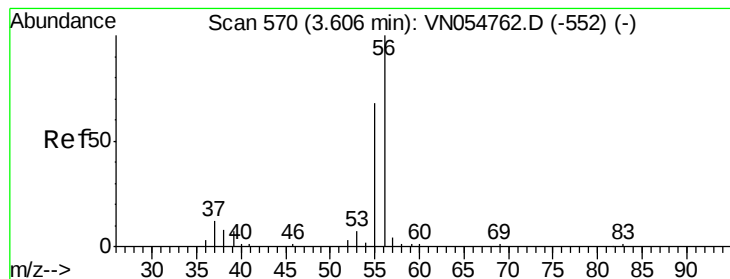


#12

1,1-Dichloroethene
 Concen: 52.217 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 96 Resp: 171879
 Ion Ratio Lower Upper
 96 100
 61 190.4 116.5 174.7#
 98 62.9 51.0 76.4





#13

Acrolein

Concen: 288.496 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

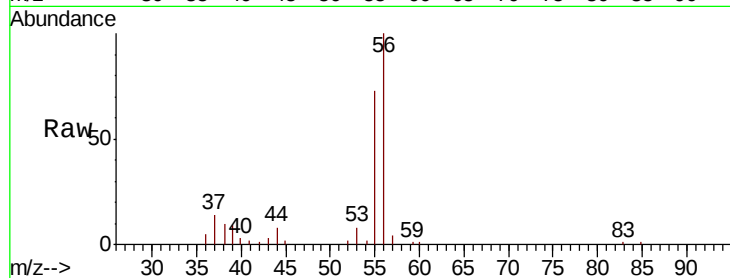
BFB

Tot Ion: 56 Resp: 75853

Ion Ratio Lower Upper

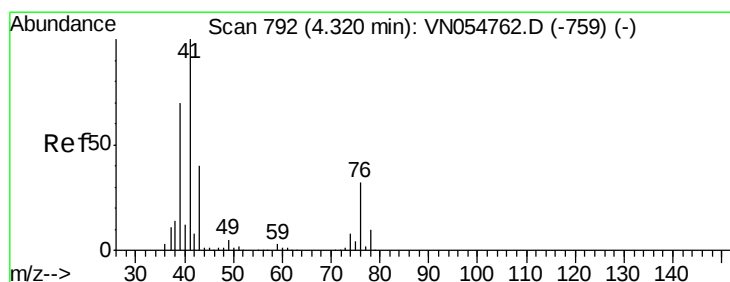
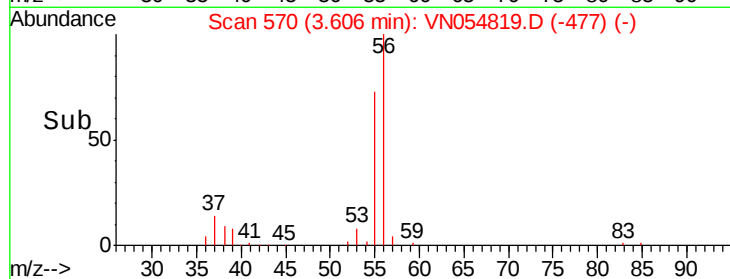
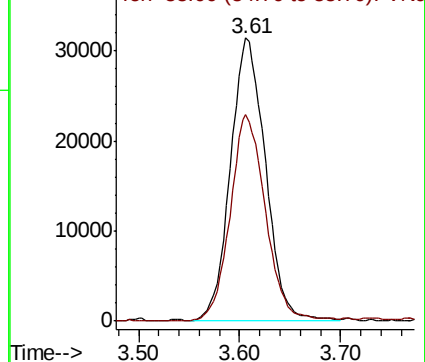
56 100

55 73.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.040 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

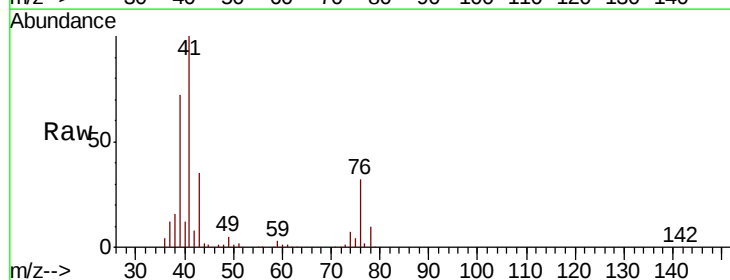
Tgt Ion: 41 Resp: 413818

Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

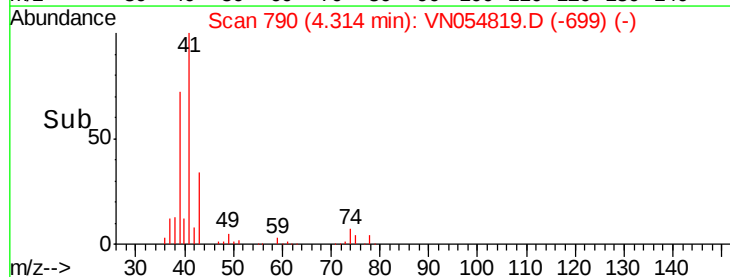
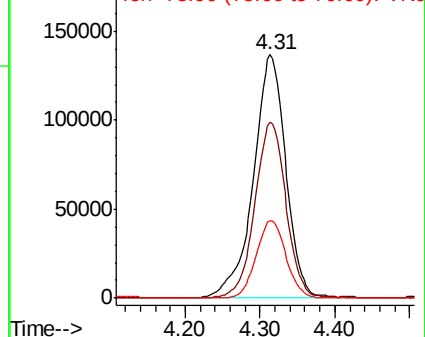
76 29.3 31.7 47.5#

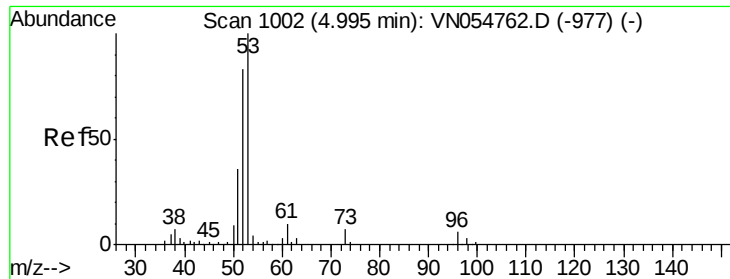


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

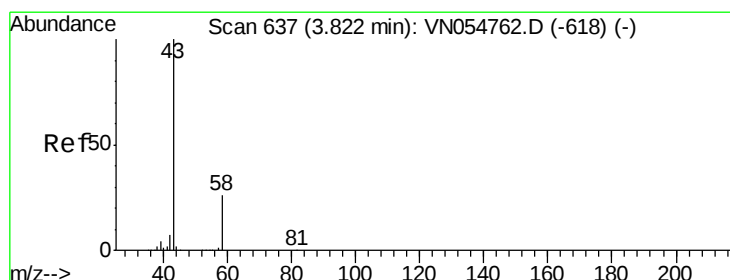
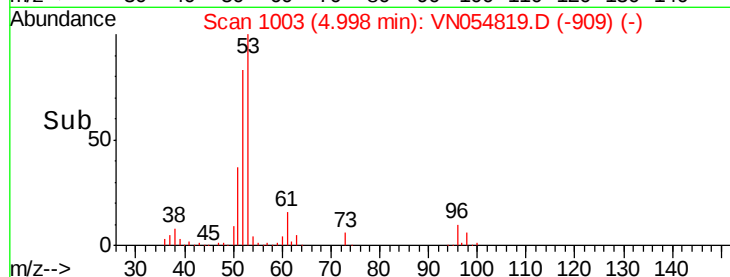
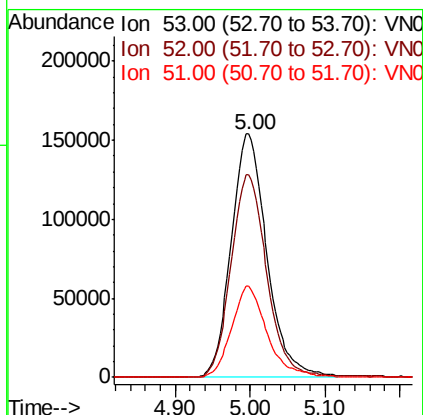
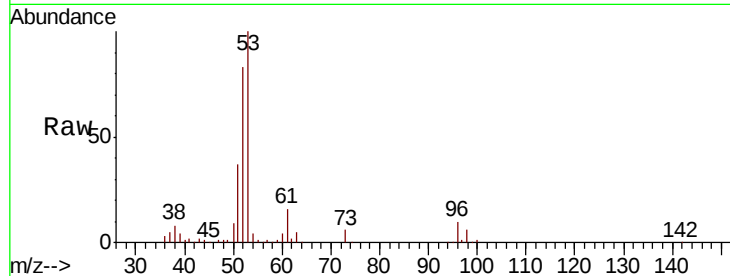




#15
 Acrylonitrile
 Concen: 312.711 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

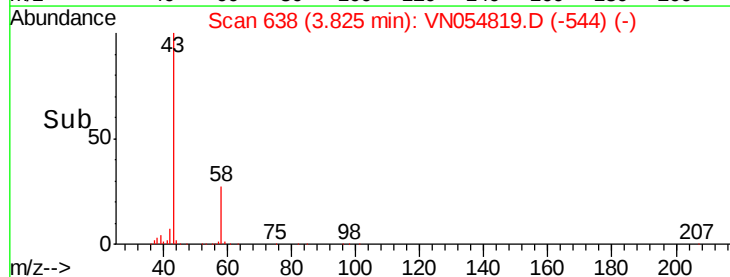
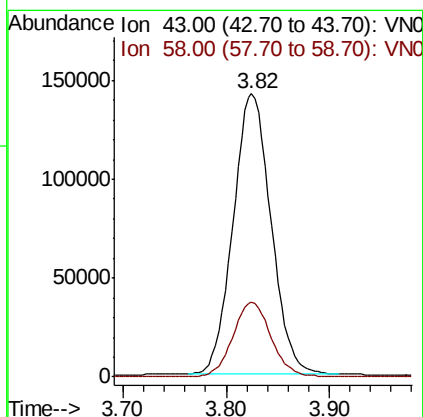
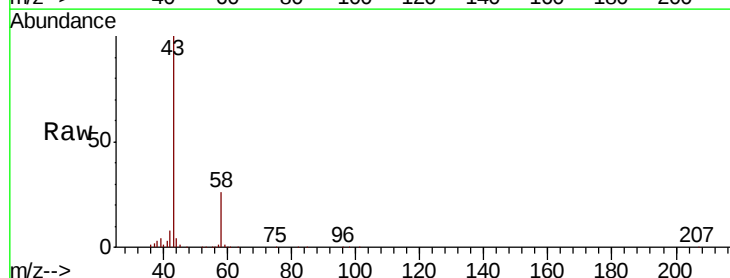
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

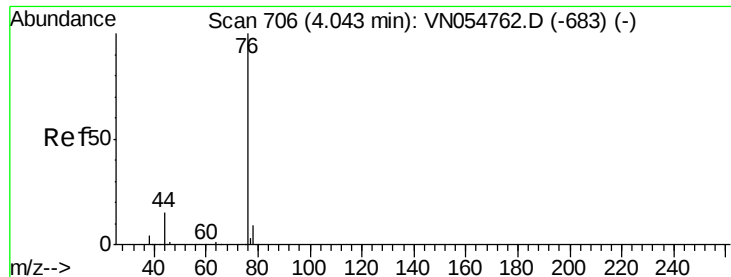
Tot Ion: 53 Resp: 511200
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.4 99.6
 51 37.2 29.6 44.4



#16
 Acetone
 Concen: 268.039 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 360806
 Ion Ratio Lower Upper
 43 100
 58 26.5 29.9 44.9#





#17

Carbon Disulfide

Concen: 42.445 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

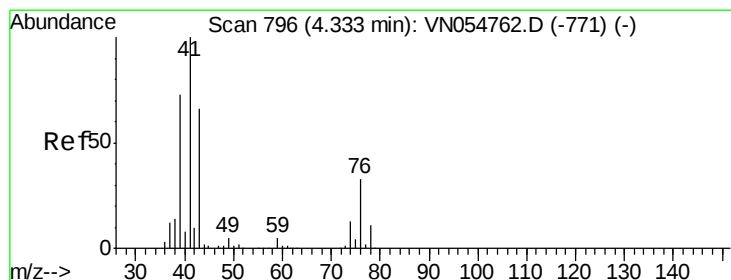
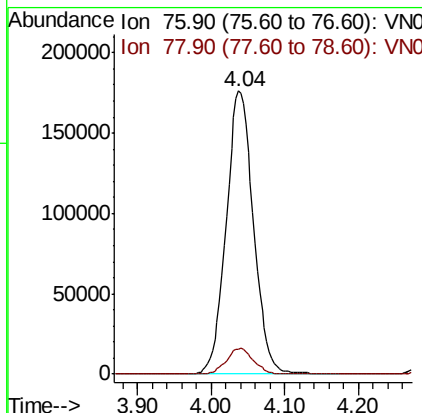
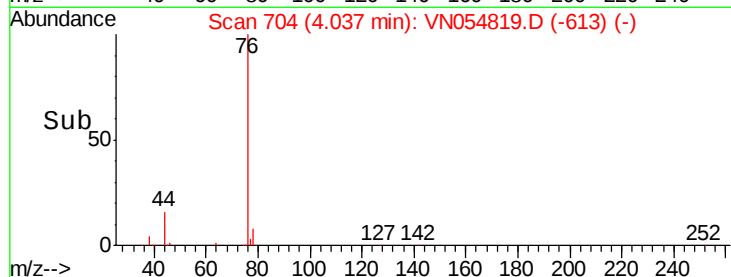
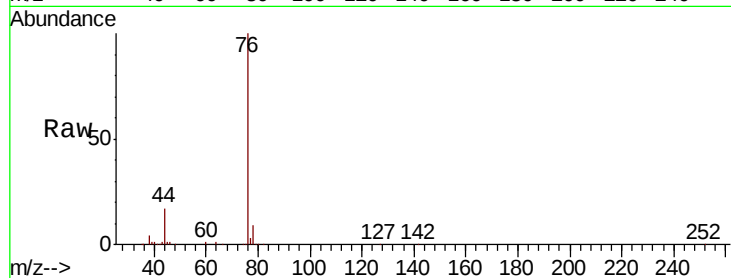
BFB

Tot Ion: 76 Resp: 453143

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



#18

Methyl Acetate

Concen: 68.113 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054819.D

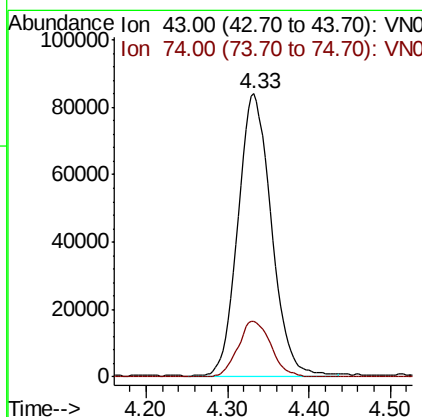
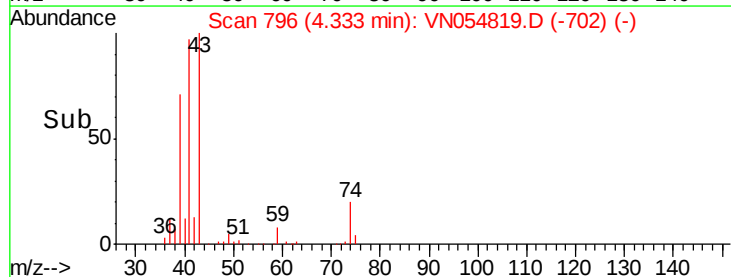
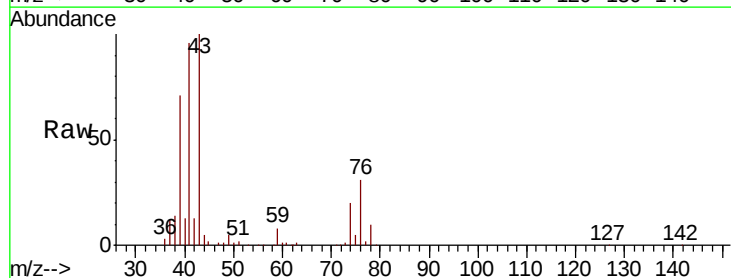
Acq: 30 Mar 2019 23:04

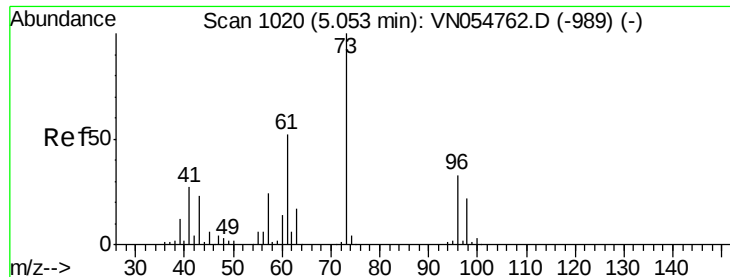
Tgt Ion: 43 Resp: 237644

Ion Ratio Lower Upper

43 100

74 19.7 20.8 31.2#



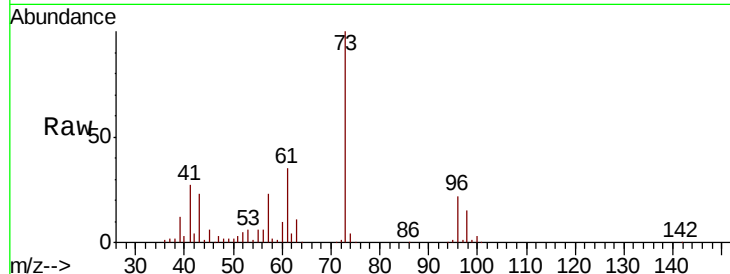


#19

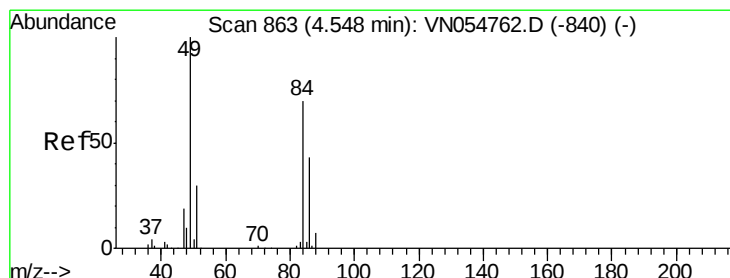
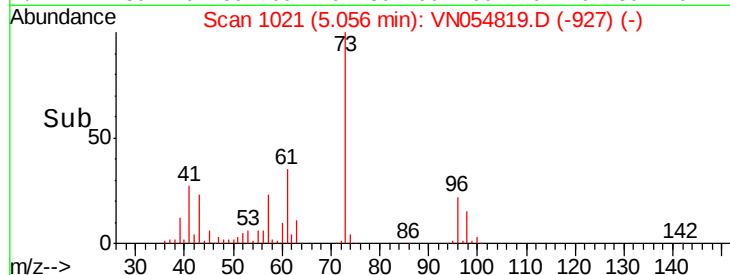
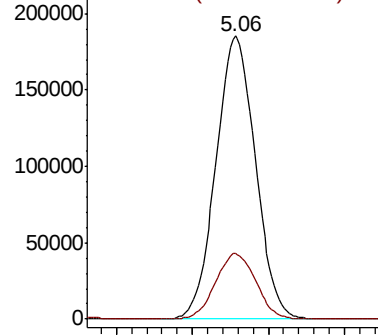
Methyl tert-butyl Ether
 Concen: 58.042 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion: 73 Resp: 668294
 Ion Ratio Lower Upper
 73 100
 57 23.2 16.8 25.2



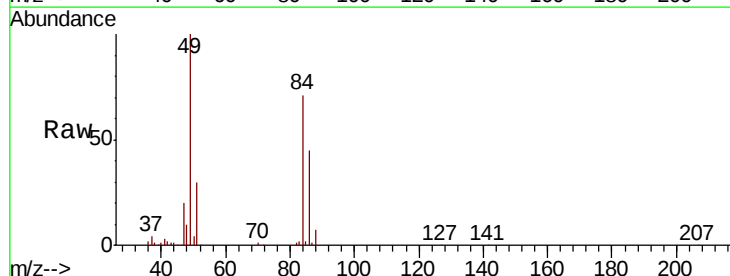
Abundance Ion 73.00 (72.70 to 73.70): VN054762.D (-989) (-)
 Ion 57.00 (56.70 to 57.70): VN054762.D (-989) (-)



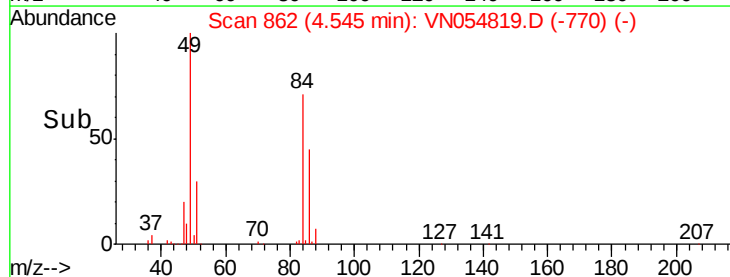
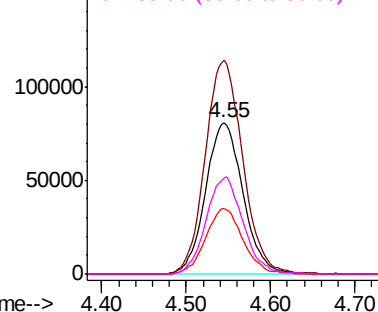
#20

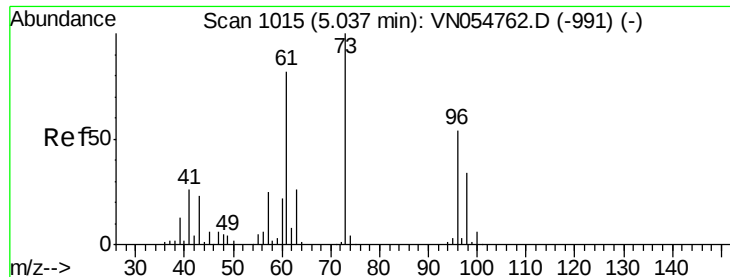
Methylene Chloride
 Concen: 52.477 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 84 Resp: 249171
 Ion Ratio Lower Upper
 84 100
 49 141.0 89.7 134.5#
 51 42.9 28.2 42.4#
 86 63.7 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN054762.D (-840) (-)
 Ion 48.90 (48.60 to 49.60): VN054762.D (-840) (-)
 Ion 50.90 (50.60 to 51.60): VN054762.D (-840) (-)
 Ion 85.90 (85.60 to 86.60): VN054762.D (-840) (-)

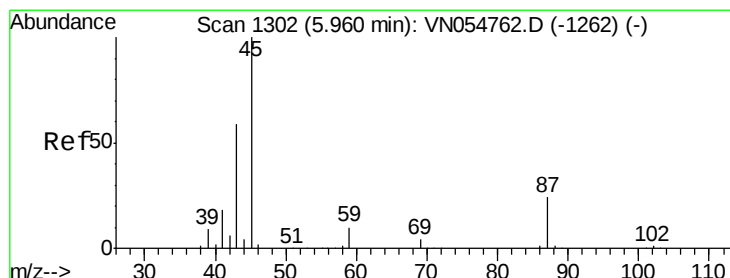
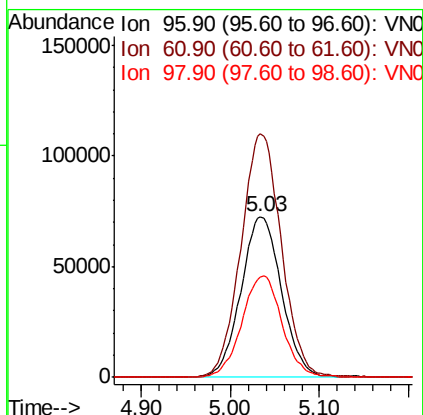
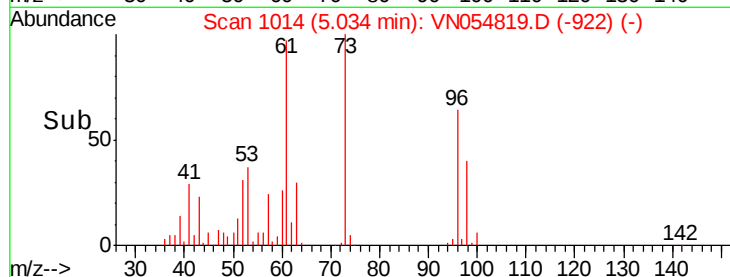
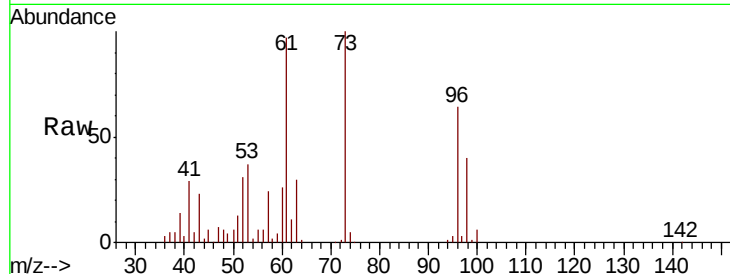




#21
trans-1,2-Dichloroethene
Concen: 53.030 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

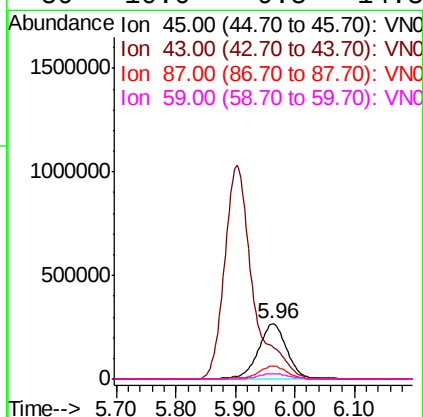
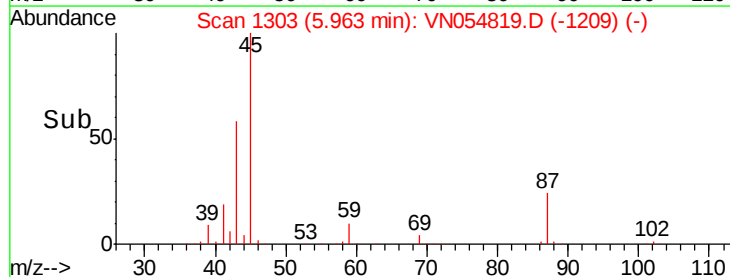
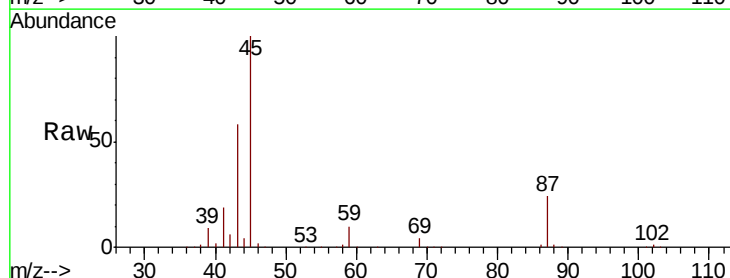
Instrument :
MSVOA_N
ClientSampled :
BFB

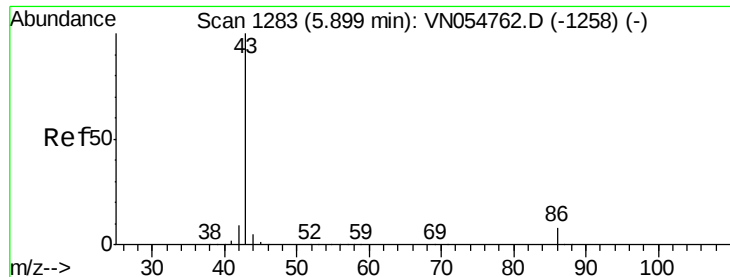
Tot Ion: 96 Resp: 229276
Ion Ratio Lower Upper
96 100
61 151.6 102.8 154.2
98 62.5 50.0 75.0



#22
Diisopropyl ether
Concen: 56.324 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 45 Resp: 903194
Ion Ratio Lower Upper
45 100
43 58.2 48.2 72.2
87 23.4 24.9 37.3#
59 10.0 9.5 14.3





#23

Vinyl Acetate

Concen: 305.506 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

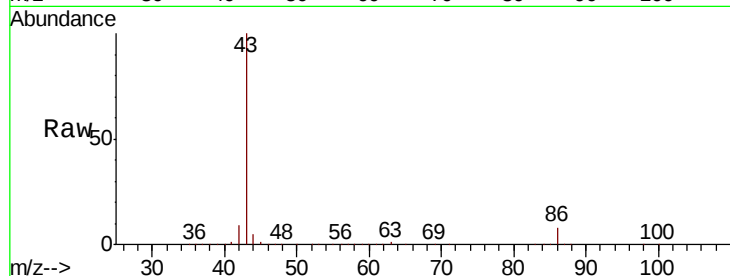
BFB

Tot Ion: 43 Resp: 3409220

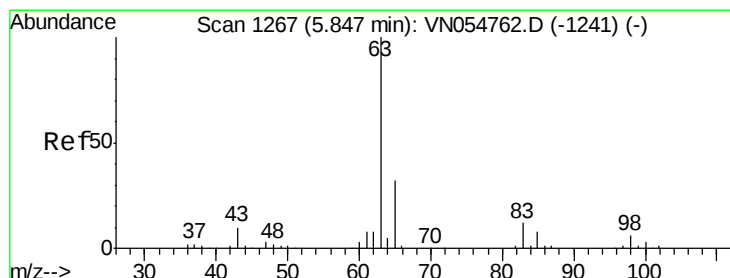
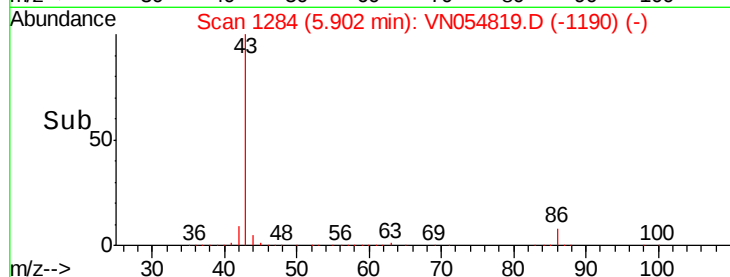
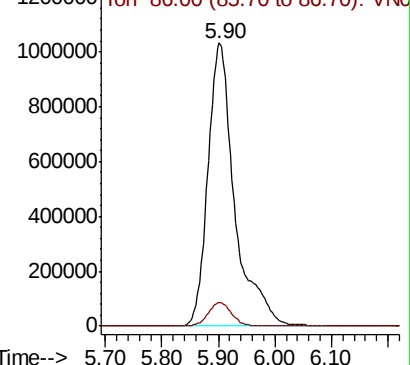
Ion Ratio Lower Upper

43 100

86 8.3 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054819.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 54.091 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

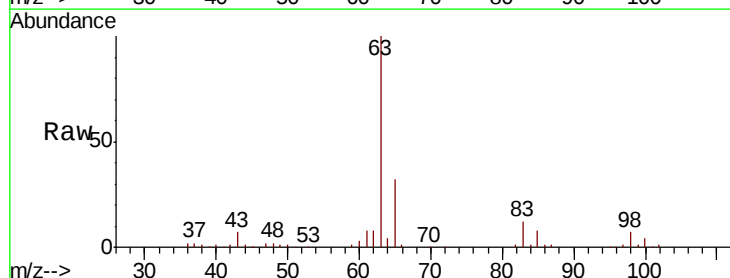
Tgt Ion: 63 Resp: 462698

Ion Ratio Lower Upper

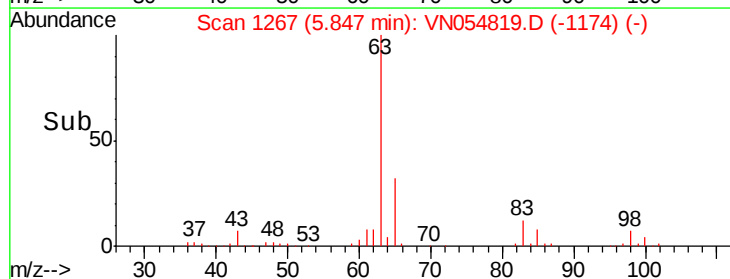
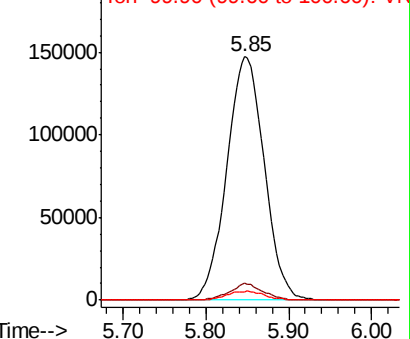
63 100

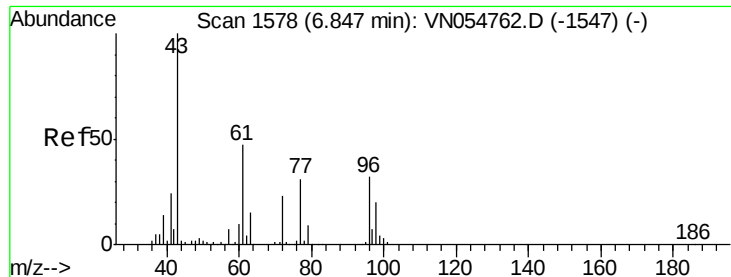
98 6.8 3.5 10.5

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054819.D (-1174) (-)

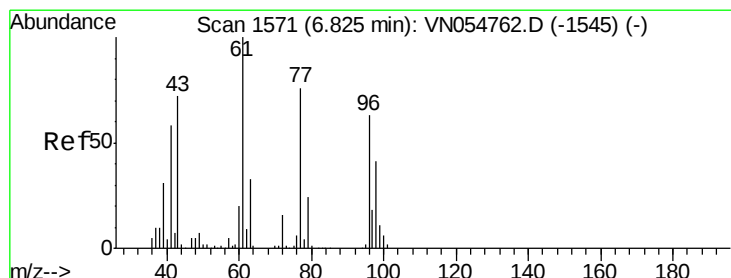
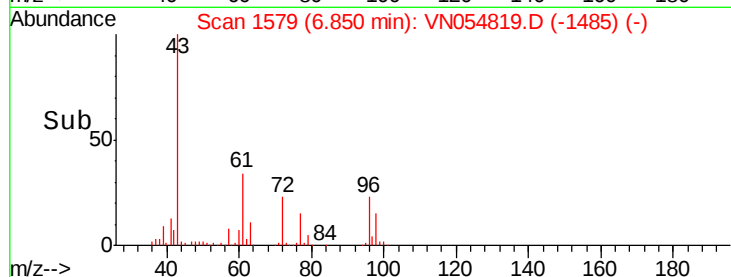
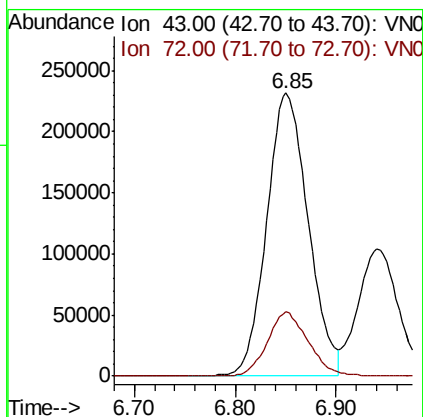
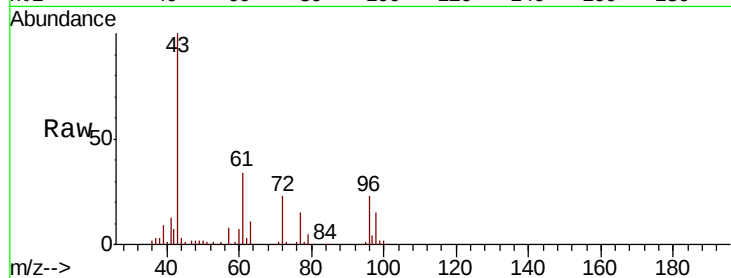




#25
2-Butanone
Concen: 331.995 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

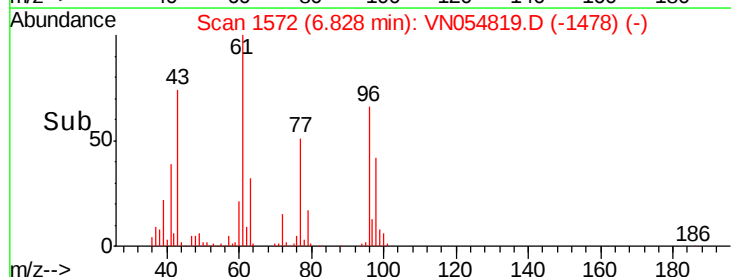
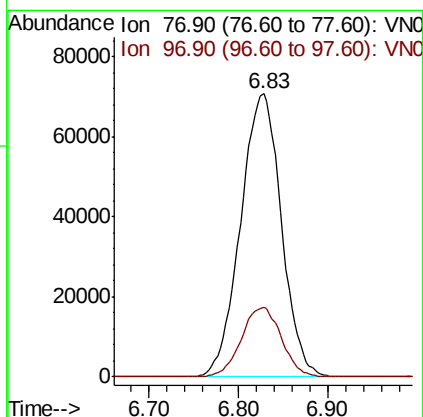
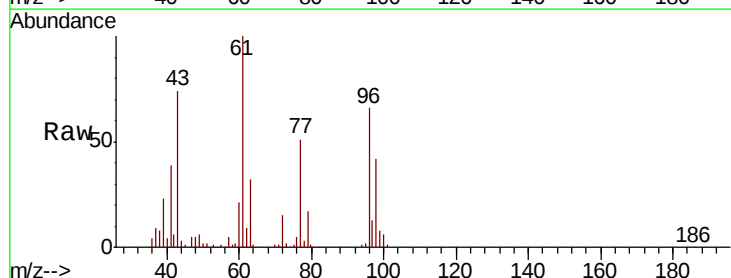
Instrument :
MSVOA_N
ClientSampled :
BFB

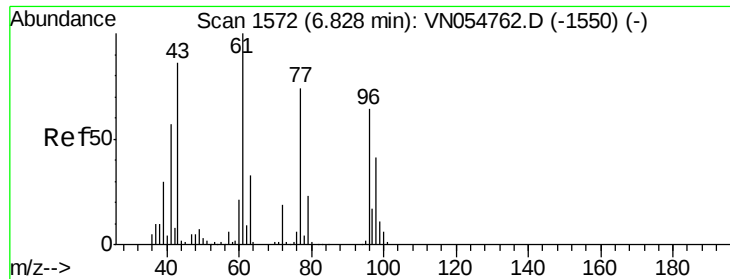
Tot Ion: 43 Resp: 660598
Ion Ratio Lower Upper
43 100
72 22.7 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 37.485 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 77 Resp: 224736
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.837 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

BFB

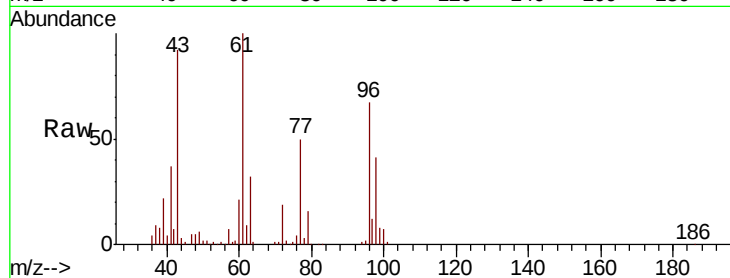
Tot Ion: 96 Resp: 267832

Ion Ratio Lower Upper

96 100

61 151.2 0.0 273.0

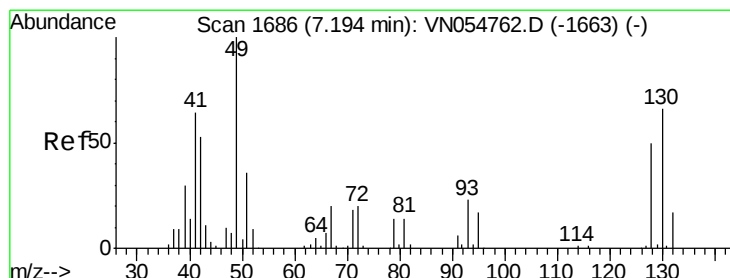
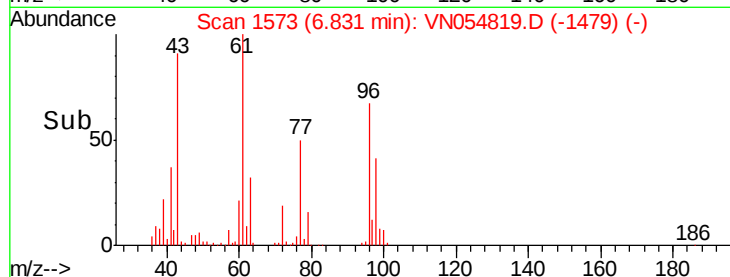
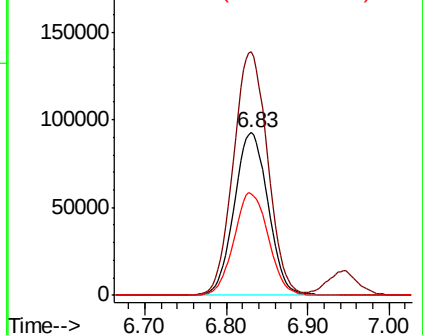
98 63.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 56.274 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

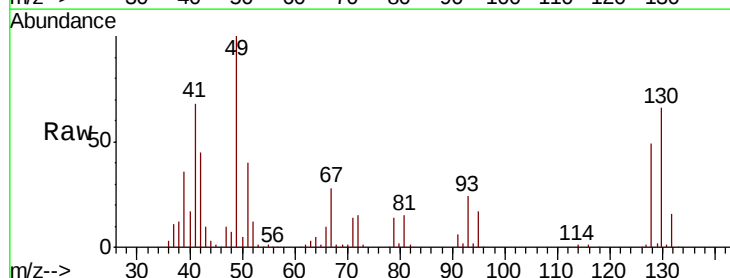
Tgt Ion: 49 Resp: 240703

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

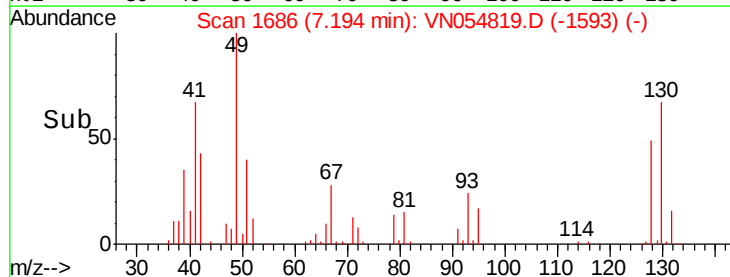
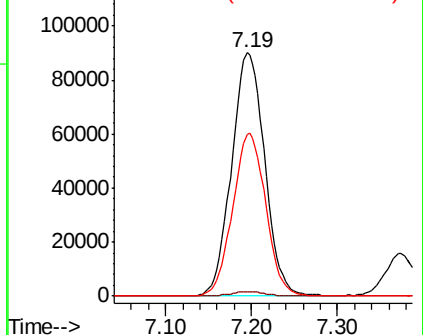
130 66.7 76.7 115.1#

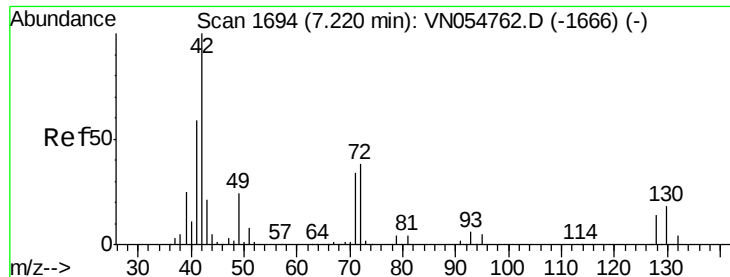


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 327.102 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

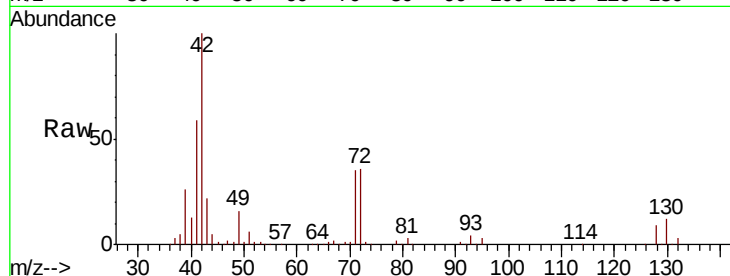
Tot Ion: 42 Resp: 452056

Ion Ratio Lower Upper

42 100

72 36.1 37.8 56.6#

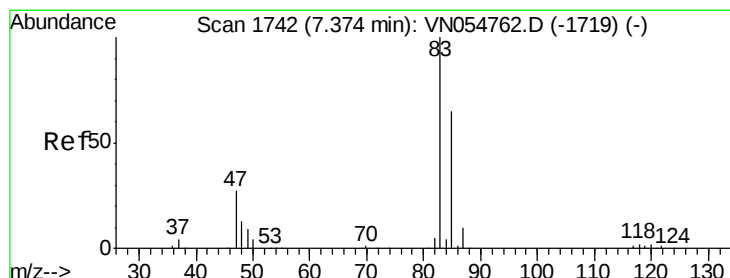
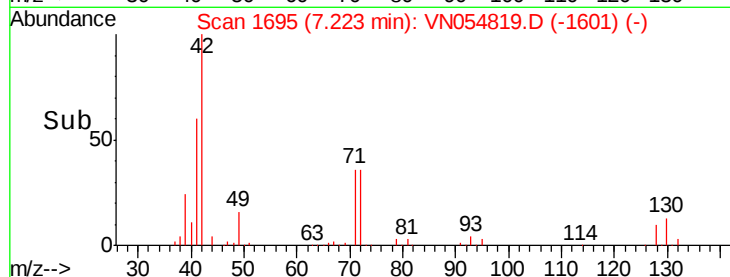
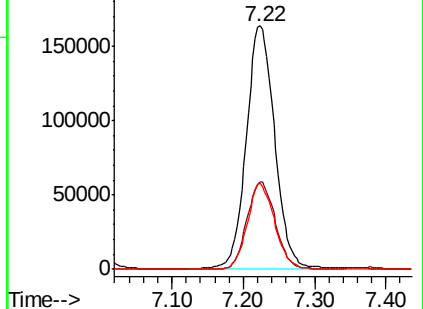
71 34.0 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 55.419 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054819.D

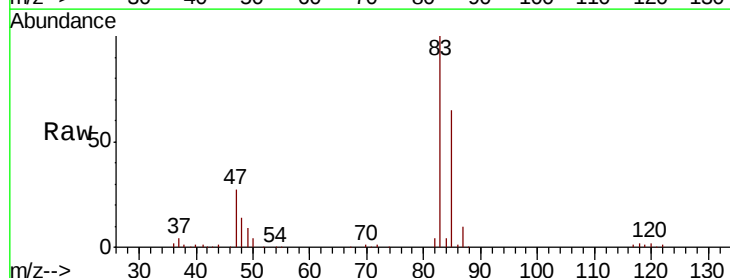
Acq: 30 Mar 2019 23:04

Tgt Ion: 83 Resp: 452030

Ion Ratio Lower Upper

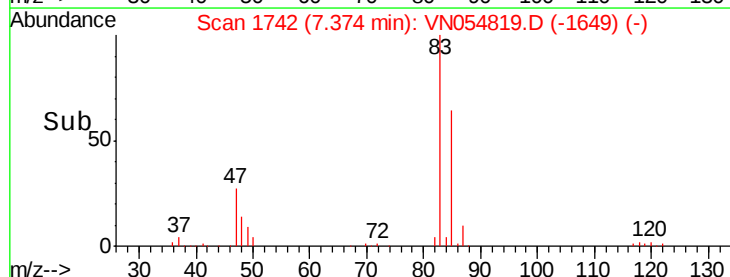
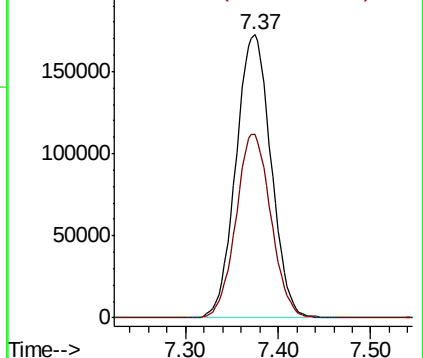
83 100

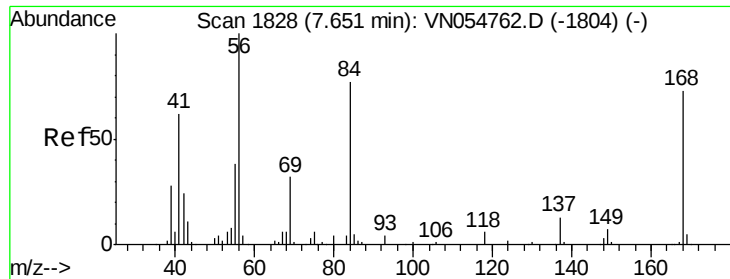
85 64.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 54.107 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

BFB

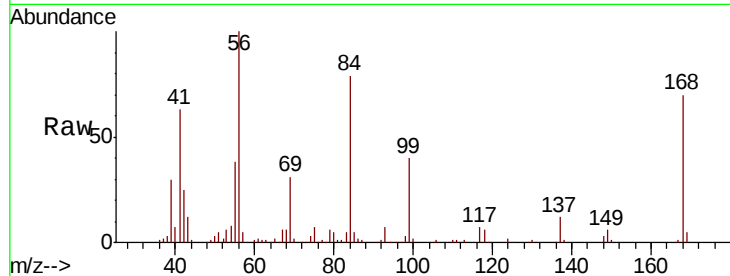
Tot Ion: 56 Resp: 420407

Ion Ratio Lower Upper

56 100

69 31.4 27.8 41.6

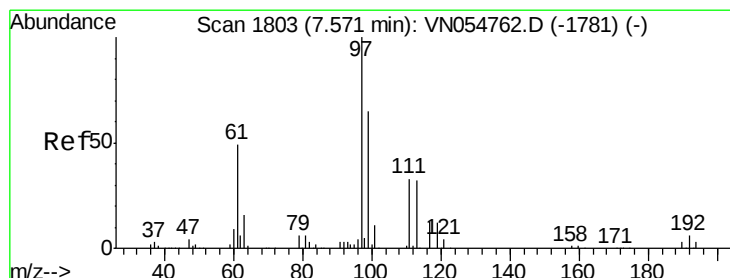
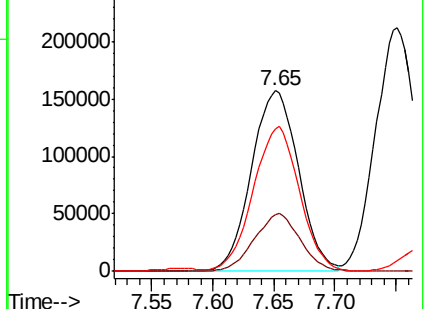
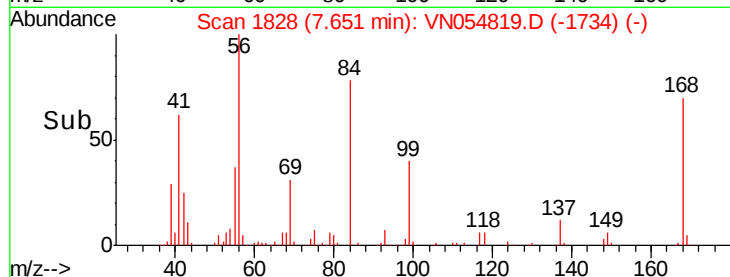
84 77.7 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054819.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN054819.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN054819.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 55.207 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

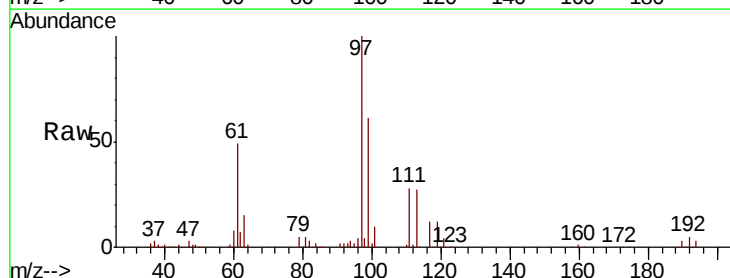
Tgt Ion: 97 Resp: 373170

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

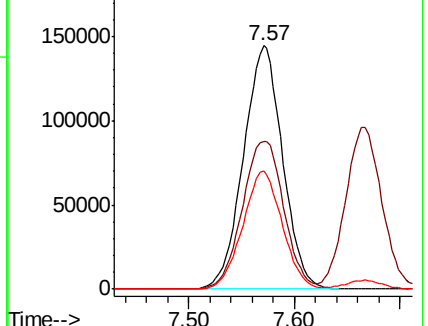
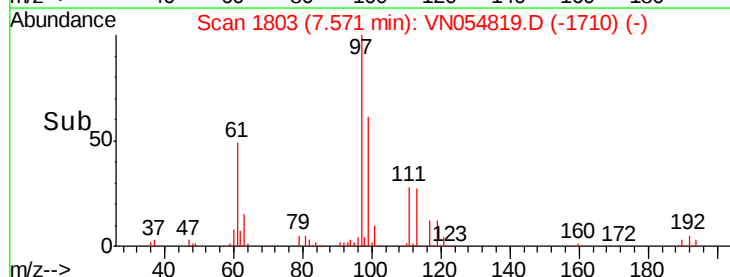
61 49.0 33.6 50.4

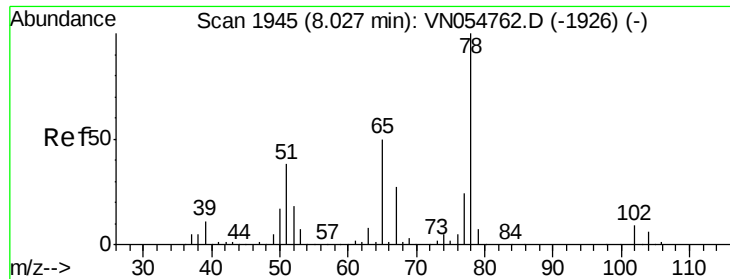


Abundance Ion 96.90 (96.60 to 97.60): VN054819.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN054819.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN054819.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 54.050 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

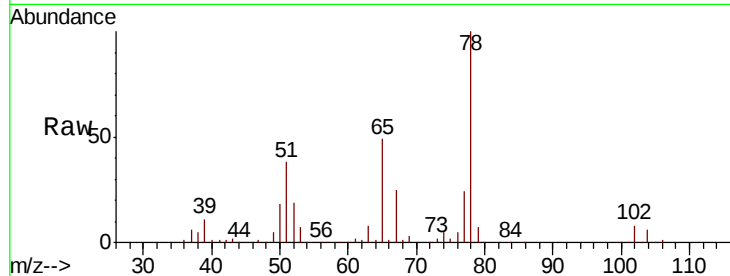
BFB

Tot Ion: 65 Resp: 305101

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054819.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054819.D (-1852) (-)

8.03

150000

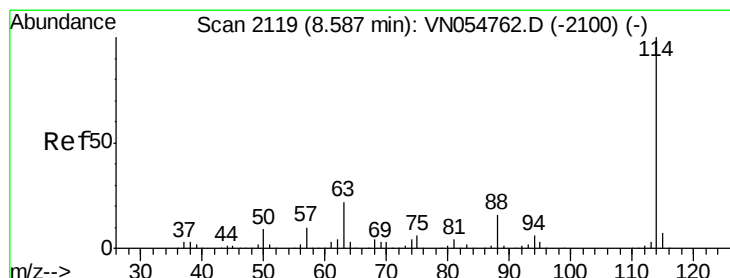
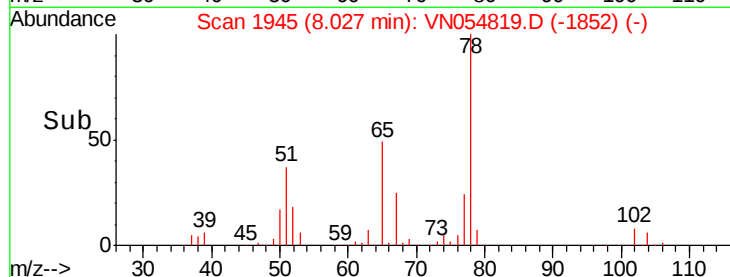
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

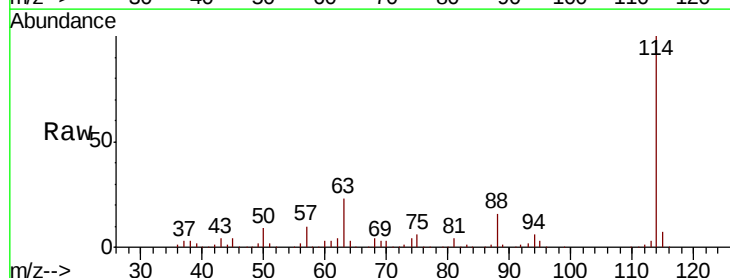
Tgt Ion: 114 Resp: 721143

Ion Ratio Lower Upper

114 100

63 23.1 0.0 35.2

88 16.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054819.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054819.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054819.D (-2026) (-)

8.59

400000

300000

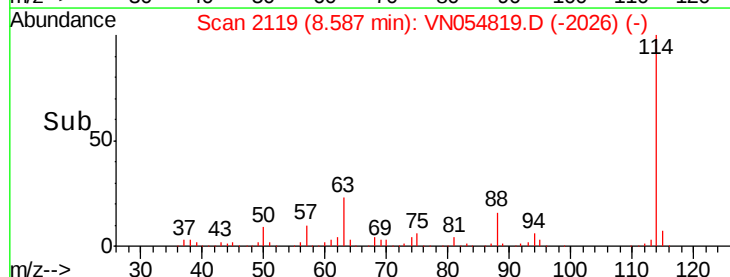
200000

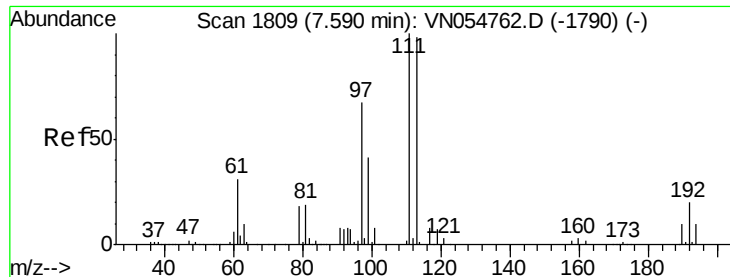
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 49.487 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

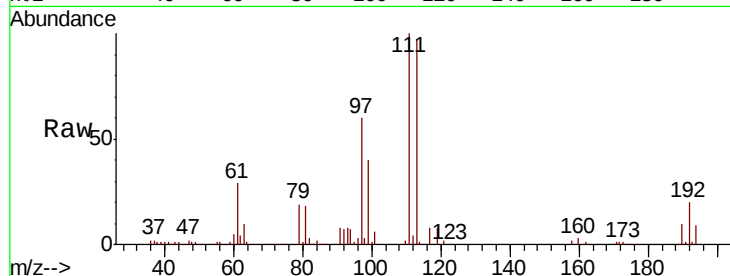
Tot Ion:113 Resp: 237925

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

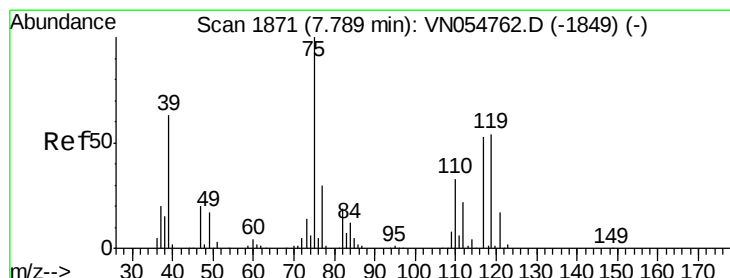
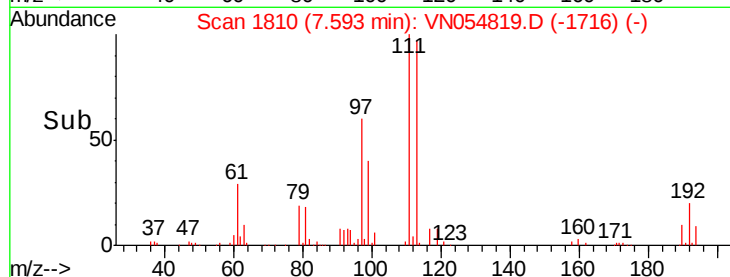
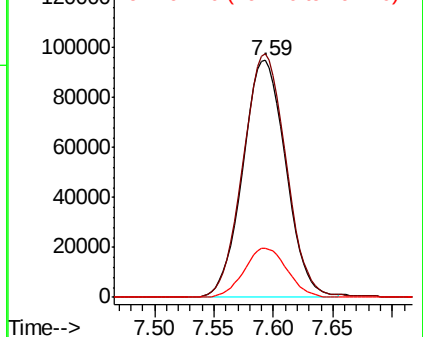
192 20.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.489 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

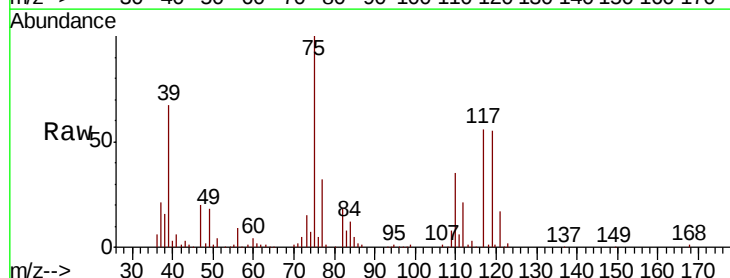
Tgt Ion: 75 Resp: 332550

Ion Ratio Lower Upper

75 100

110 34.4 19.1 57.5

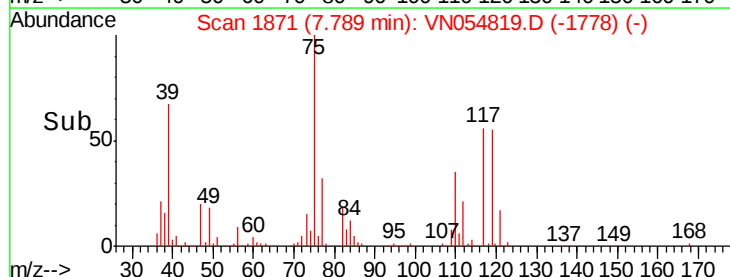
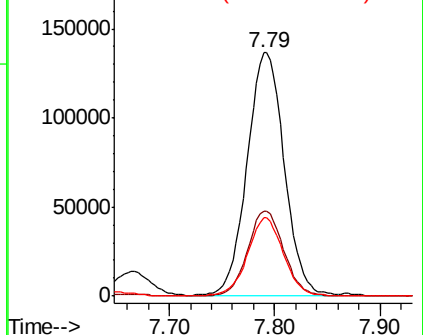
77 31.7 25.0 37.4

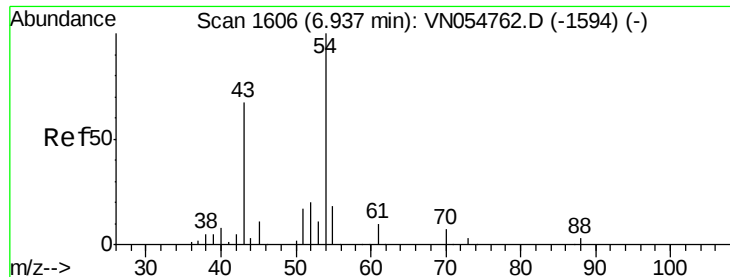


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

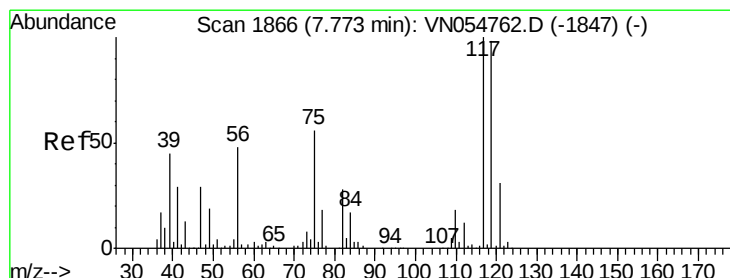
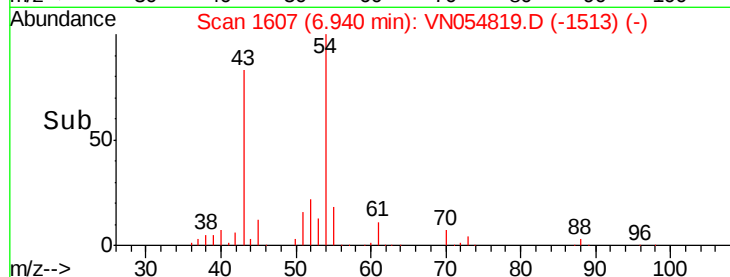
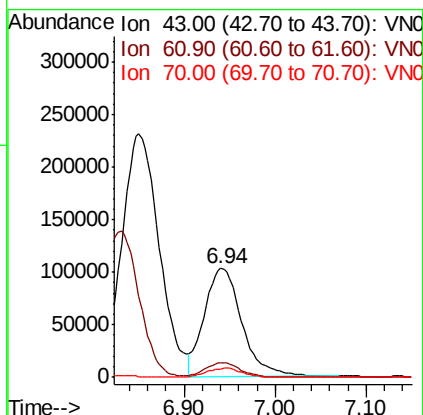
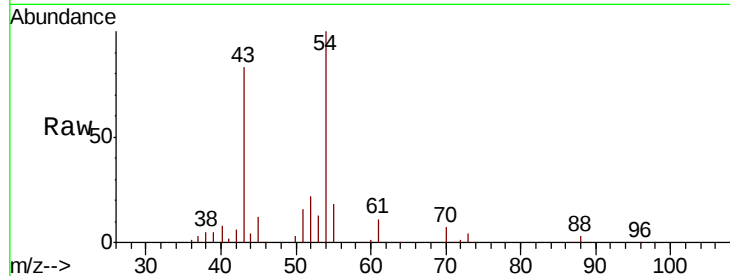




#37
Ethyl Acetate
Concen: 59.685 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

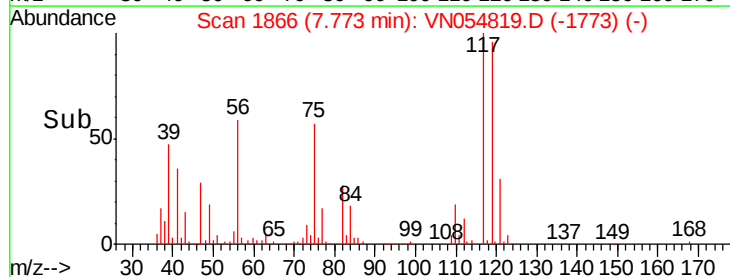
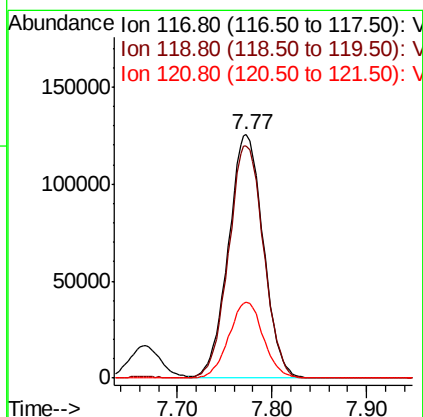
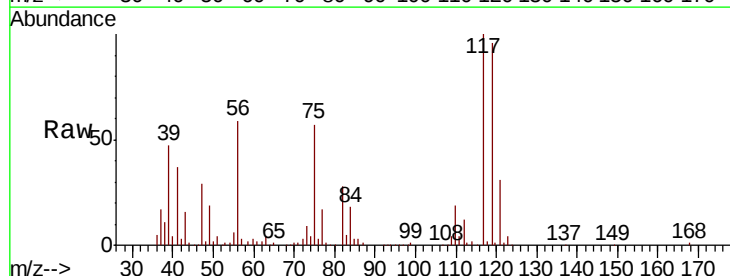
Instrument :
MSVOA_N
ClientSampled :
BFB

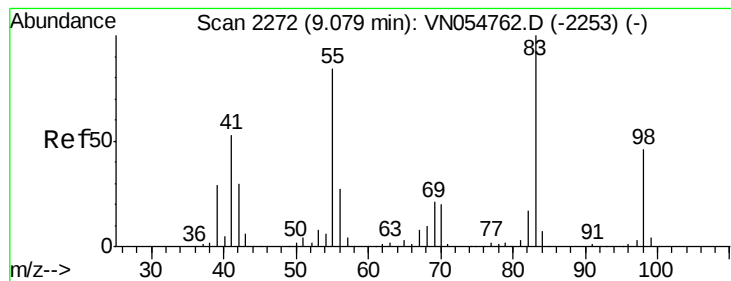
Tot Ion: 43 Resp: 294107
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 8.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 49.346 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 117 Resp: 322062
Ion Ratio Lower Upper
117 100
119 95.5 76.3 114.5
121 31.0 24.6 36.8

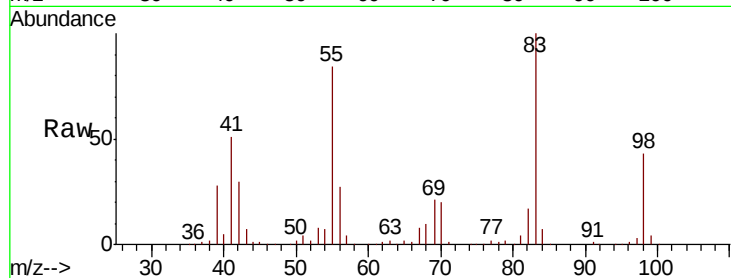




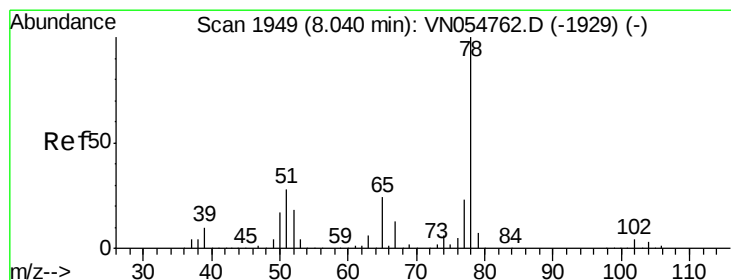
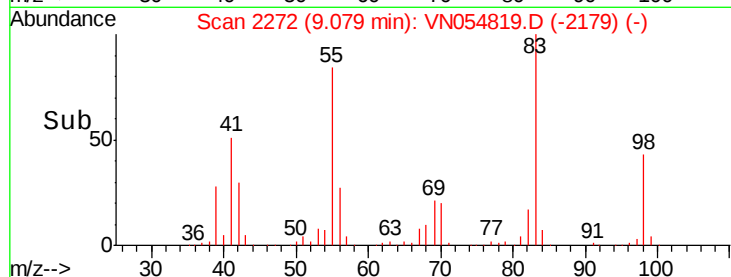
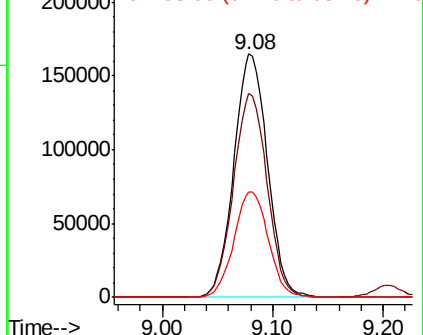
#39
Methvlcvclohexane
Concen: 47.162 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 83 Resp: 348412
Ion Ratio Lower Upper
83 100
55 83.9 56.6 84.8
98 43.3 38.4 57.6

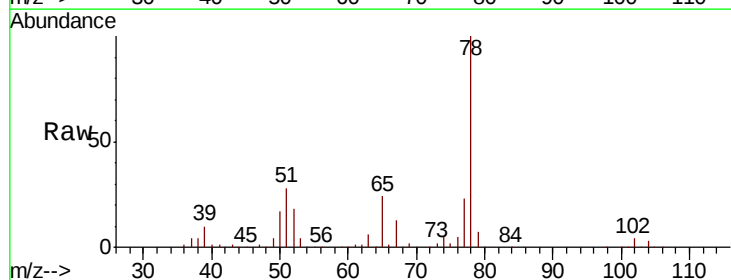


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

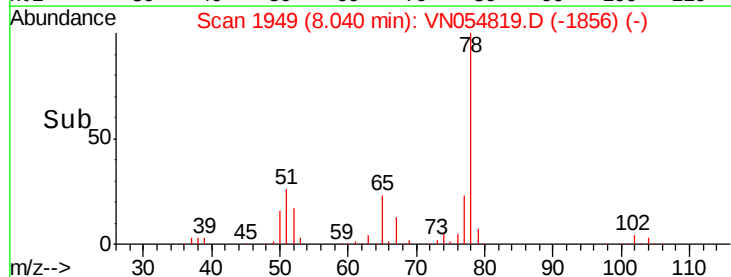
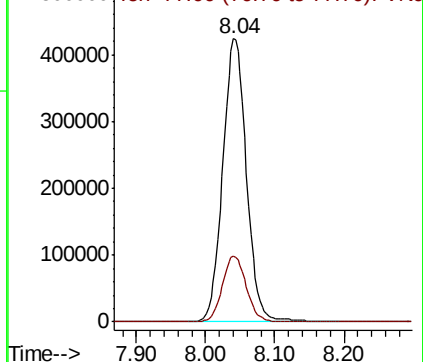


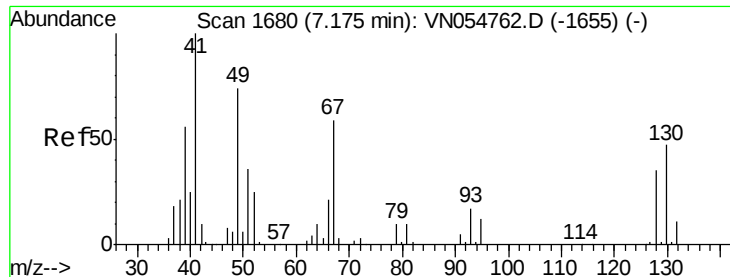
#40
Benzene
Concen: 52.654 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 78 Resp: 1012396
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

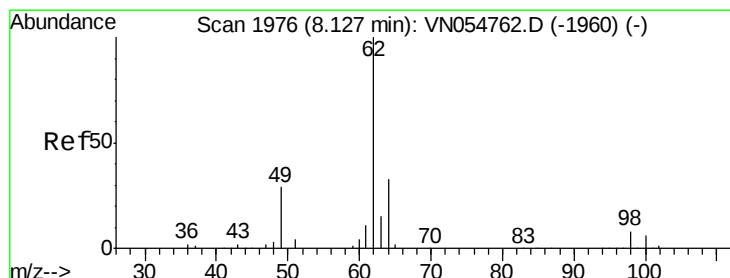
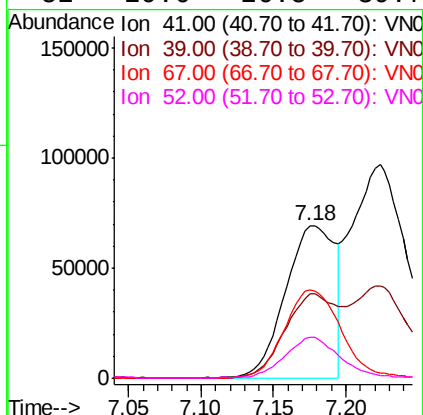
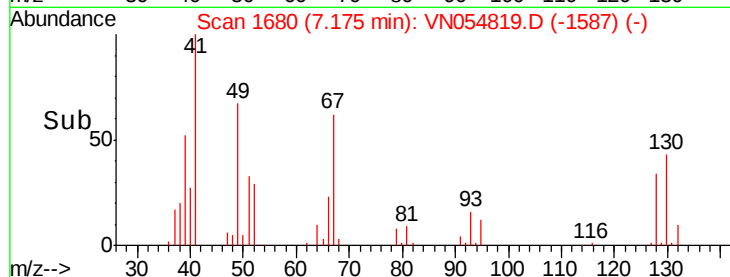
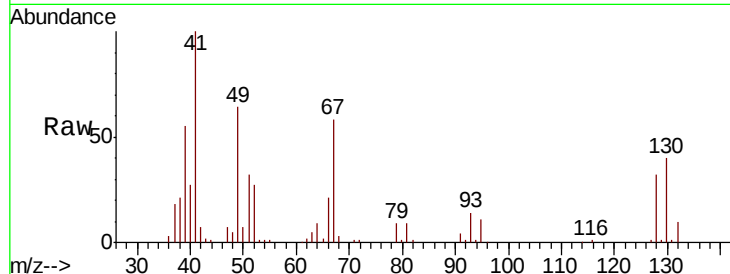




#41
Methacrylonitrile
Concen: 59.338 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

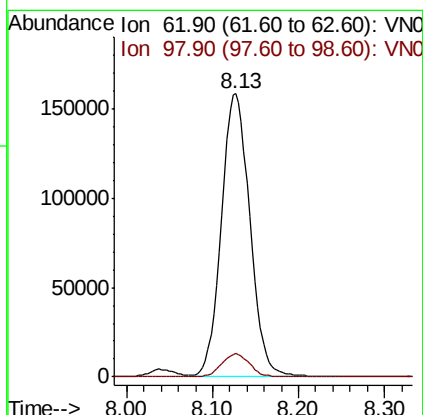
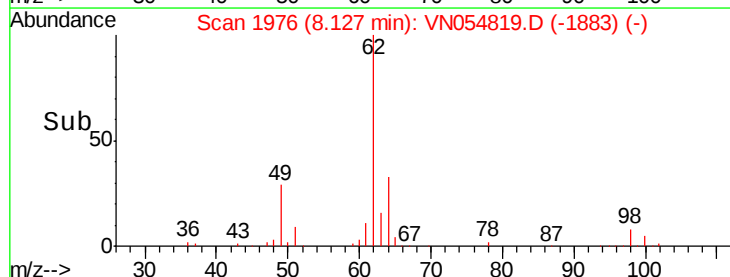
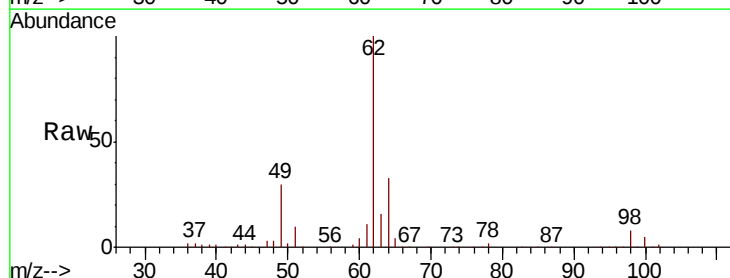
Instrument :
MSVOA_N
ClientSampled :
BFB

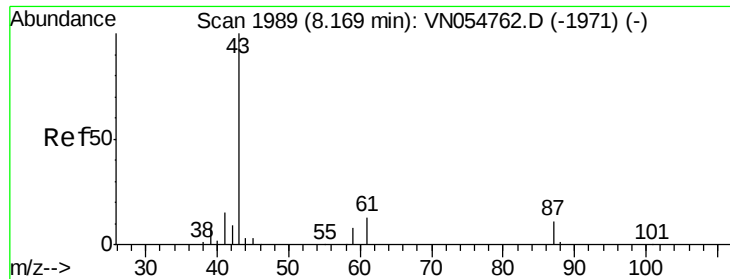
Tot Ion: 41 Resp: 164256
Ion Ratio Lower Upper
41 100
39 58.5 46.8 70.2
67 66.8 67.0 100.4#
52 29.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 53.196 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 62 Resp: 365207
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 62.323 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

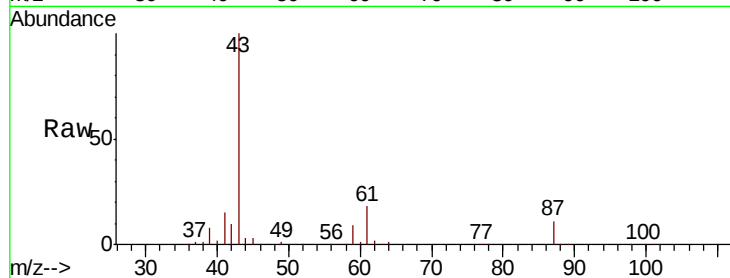
Tot Ion: 43 Resp: 499005

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

87 11.2 12.0 18.0#

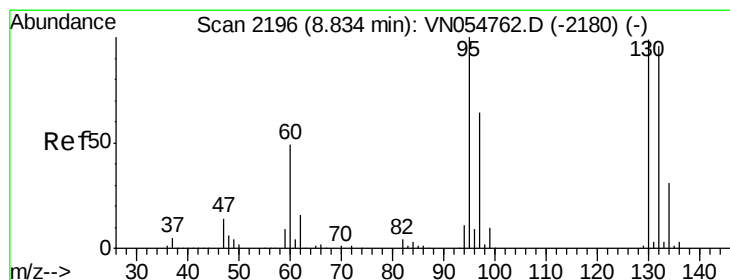
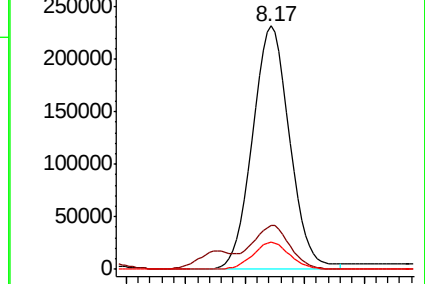
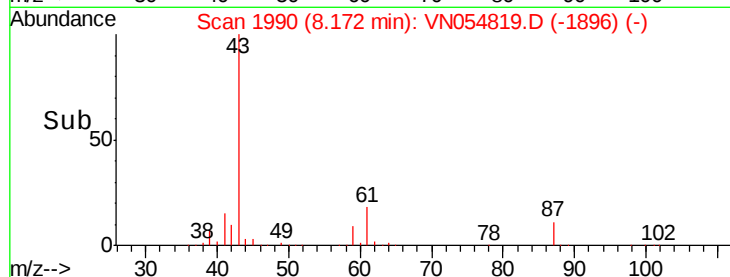


Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 50.720 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054819.D

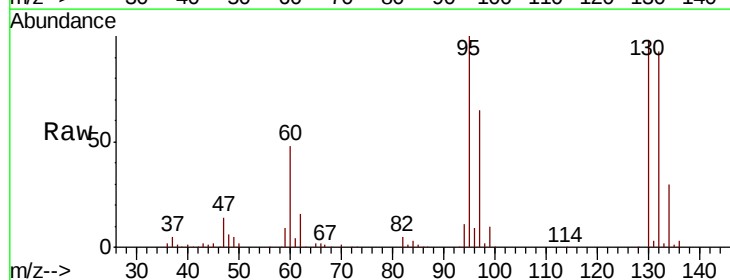
Acq: 30 Mar 2019 23:04

Tgt Ion:130 Resp: 253156

Ion Ratio Lower Upper

130 100

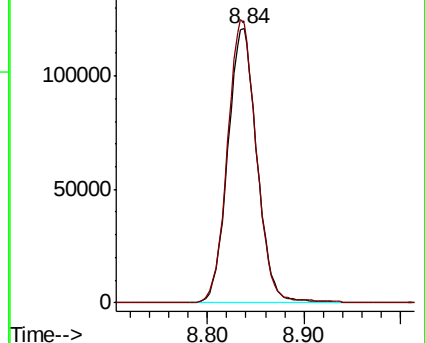
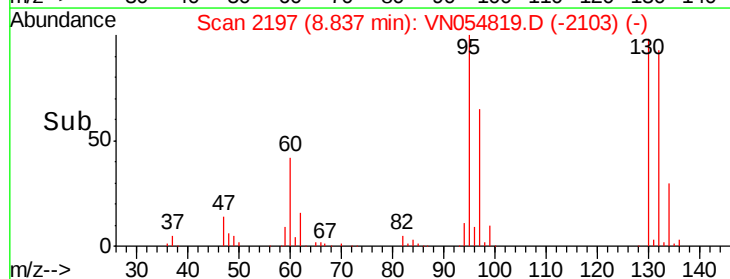
95 102.0 0.0 185.2

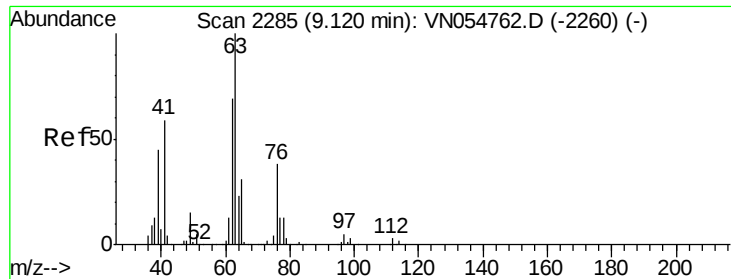


Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 52.027 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

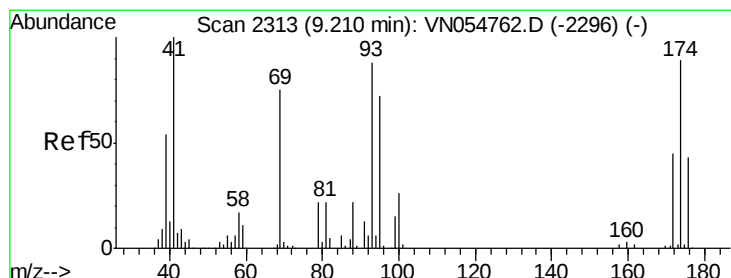
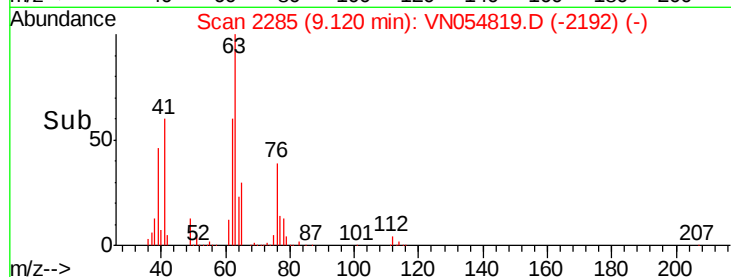
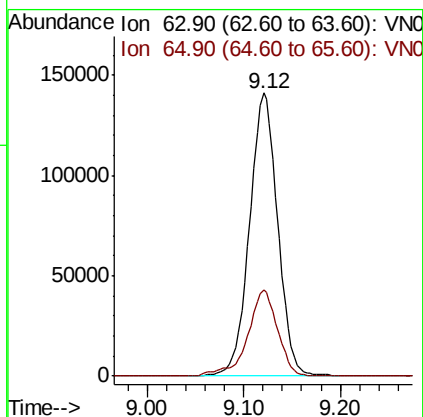
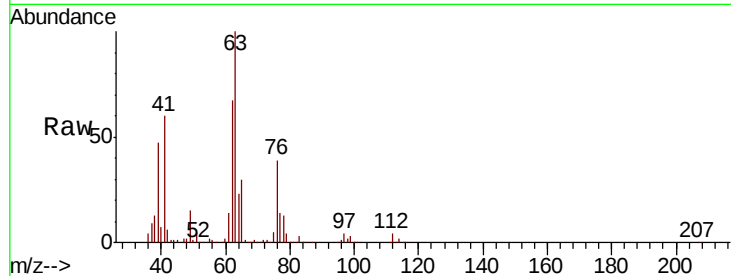
BFB

Tot Ion: 63 Resp: 285242

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6



#46

Dibromomethane

Concen: 53.950 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

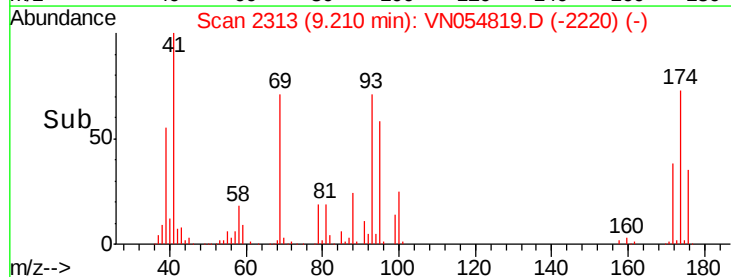
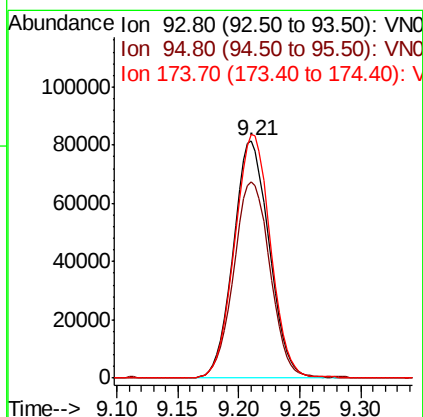
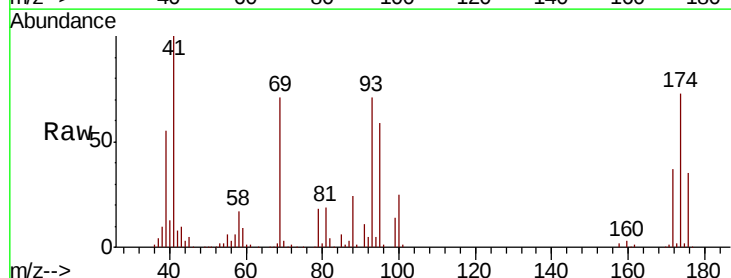
Tgt Ion: 93 Resp: 166389

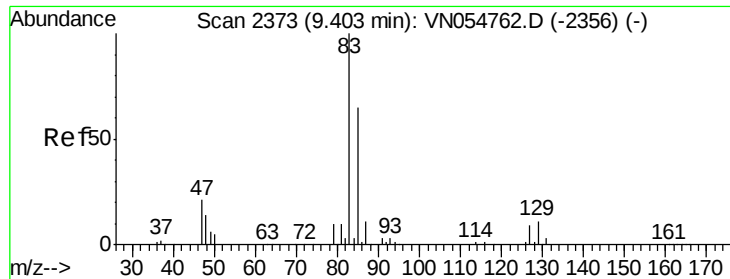
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 102.8 98.5 147.7





#47

Bromodichloromethane

Concen: 54.522 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

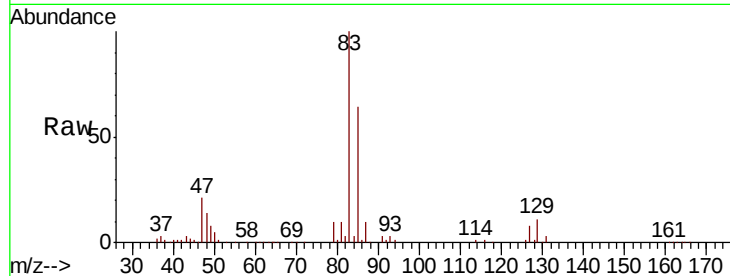
Tot Ion: 83 Resp: 349471

Ion Ratio Lower Upper

83 100

85 63.8 52.8 79.2

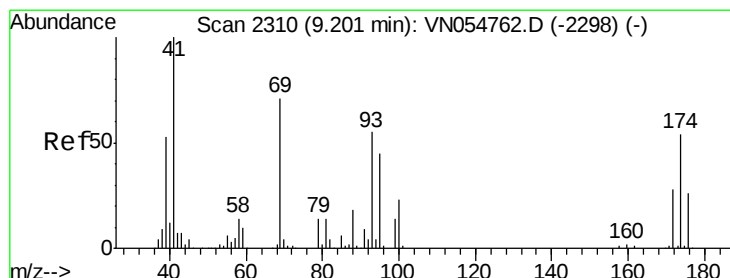
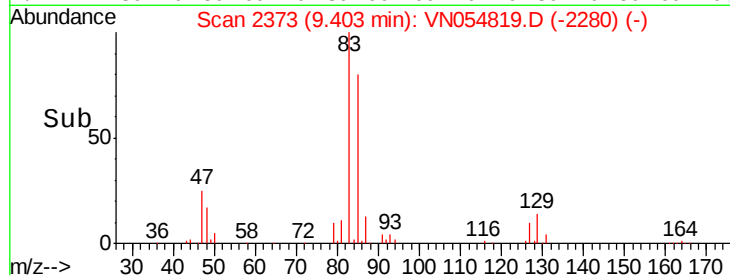
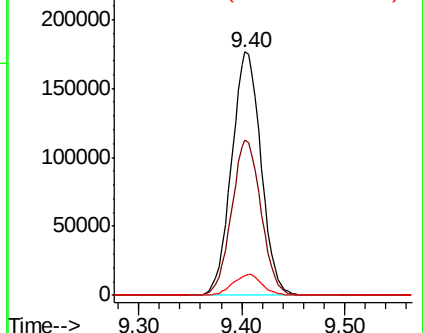
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 57.956 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

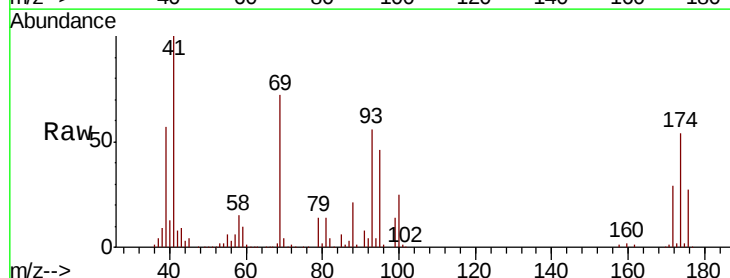
Tgt Ion: 41 Resp: 251547

Ion Ratio Lower Upper

41 100

69 74.3 72.6 108.8

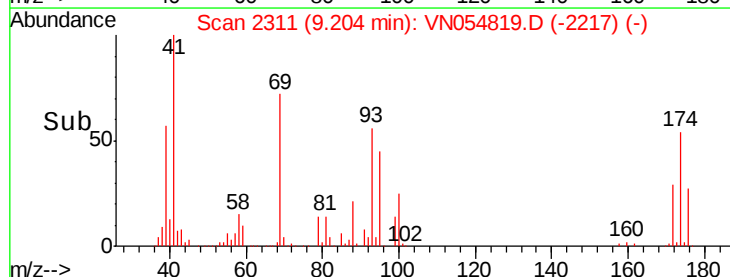
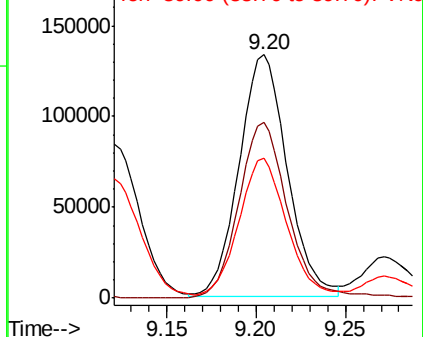
39 57.4 47.5 71.3

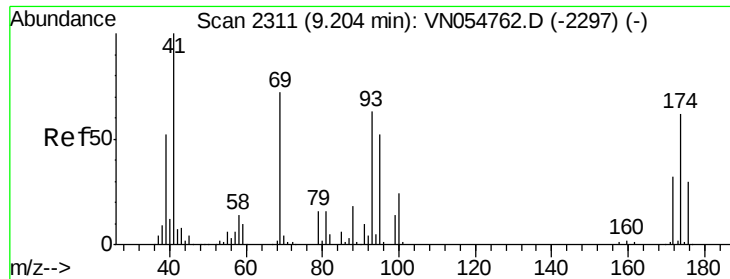


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1355.566 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

BFB

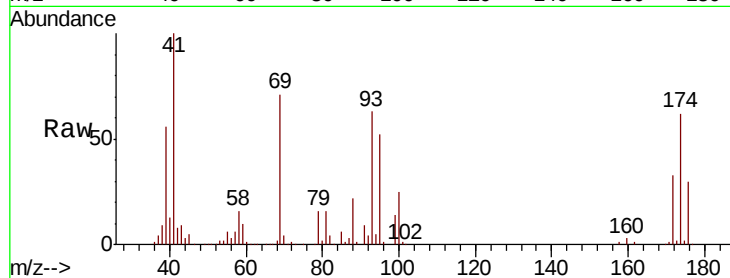
Tot Ion: 88 Resp: 58378

Ion Ratio Lower Upper

88 100

43 37.0 24.1 36.1#

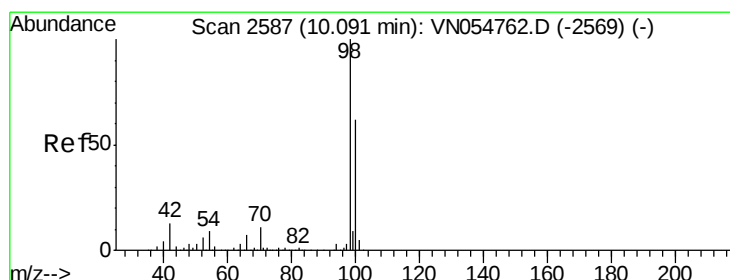
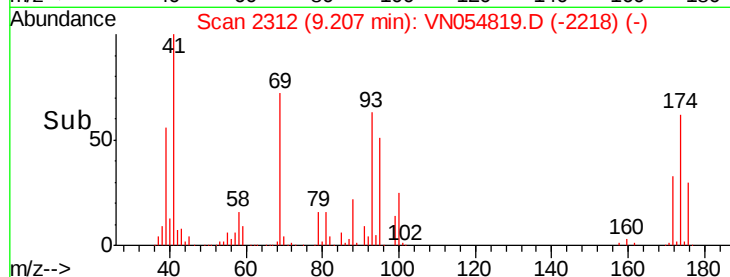
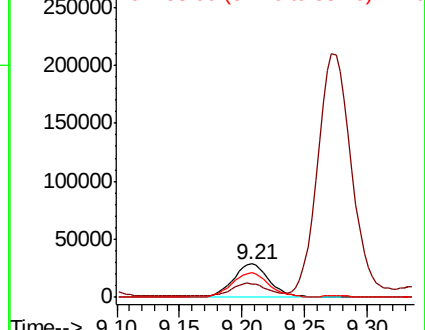
58 74.1 50.8 76.2



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



#50

Toluene-d8

Concen: 49.376 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054819.D

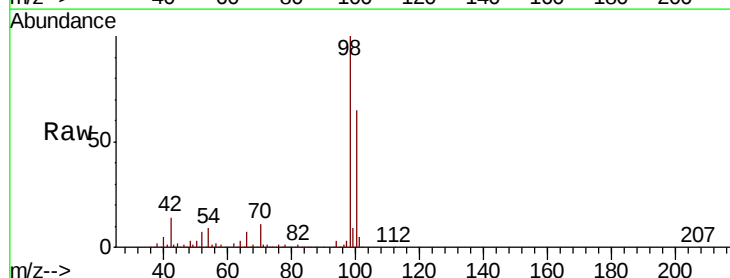
Acq: 30 Mar 2019 23:04

Tgt Ion: 98 Resp: 882564

Ion Ratio Lower Upper

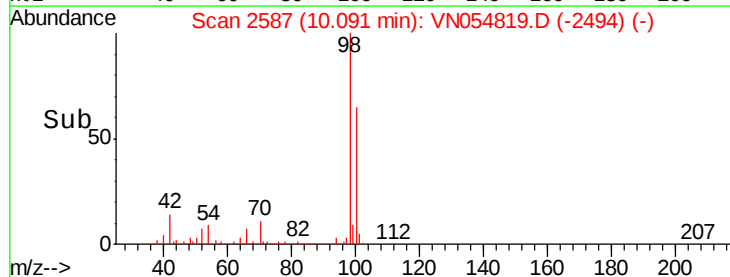
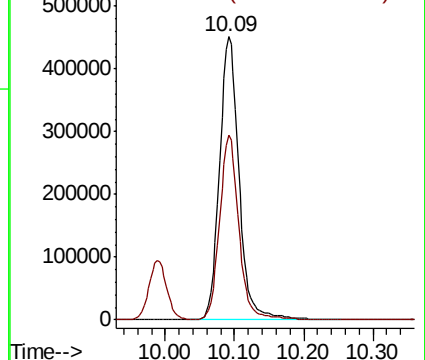
98 100

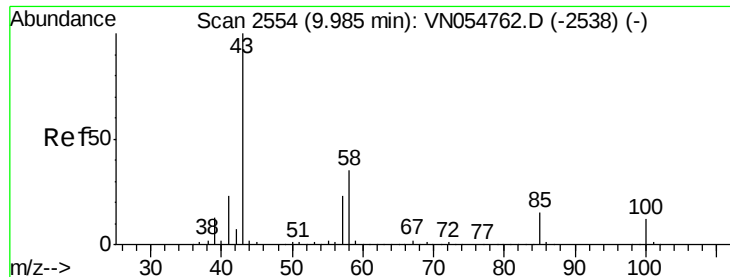
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 325.699 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

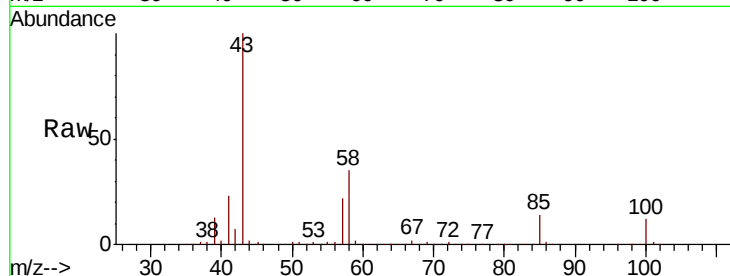
BFB

Tot Ion: 43 Resp: 1466177

Ion Ratio Lower Upper

43 100

58 34.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

800000

600000

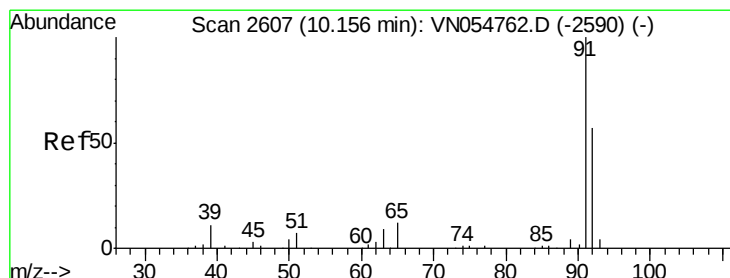
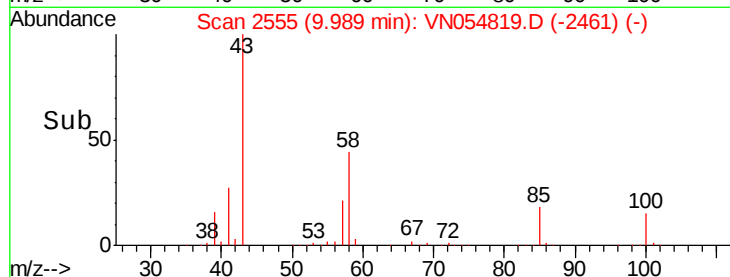
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 52.697 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054819.D

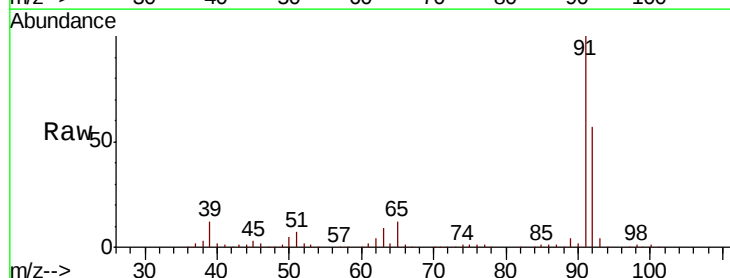
Acq: 30 Mar 2019 23:04

Tgt Ion: 92 Resp: 602917

Ion Ratio Lower Upper

92 100

91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

600000

500000

400000

300000

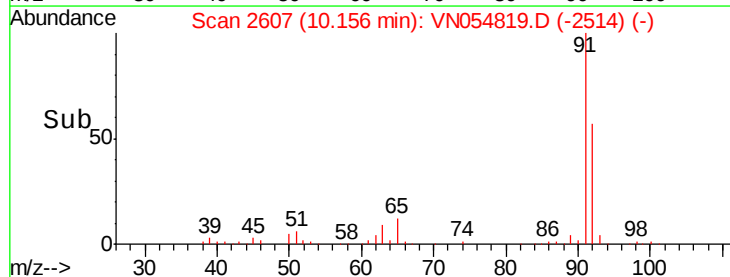
200000

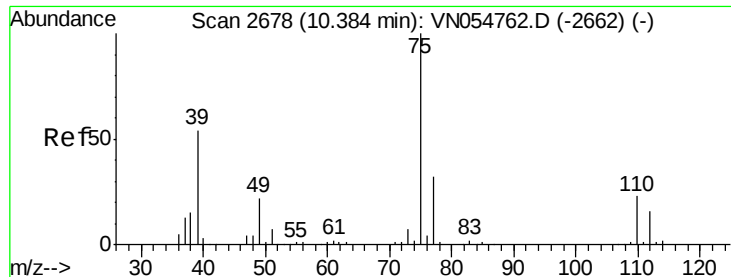
100000

0

10.00 10.10 10.16 10.20 10.30

Time-->

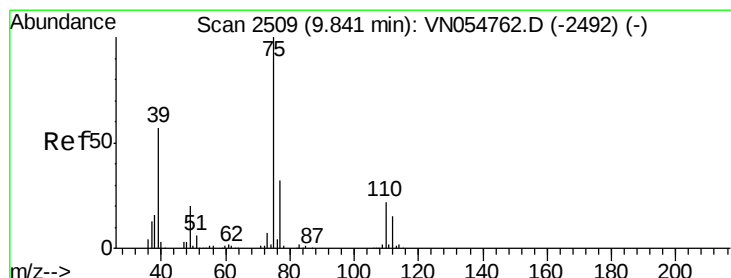
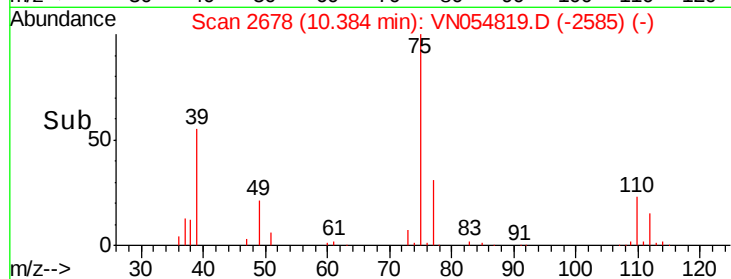
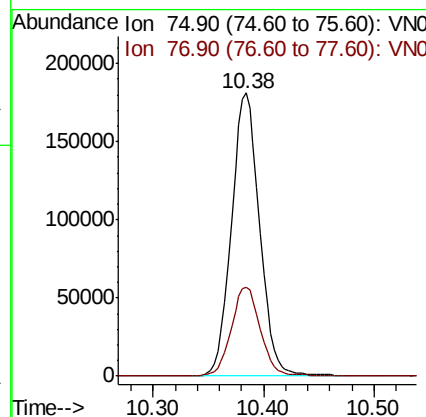
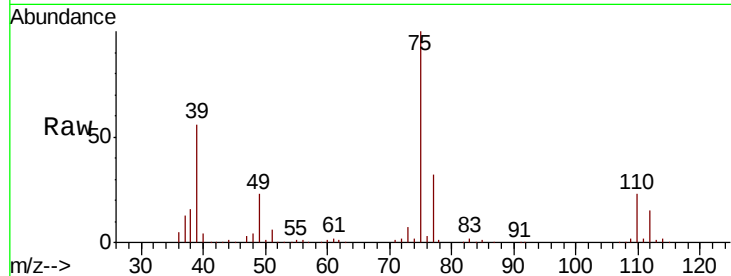




#53
 t-1,3-Dichloropropene
 Concen: 53.143 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

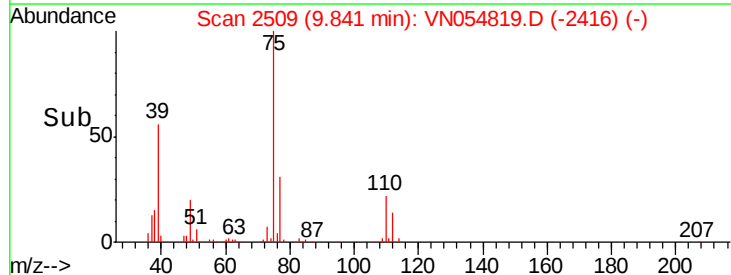
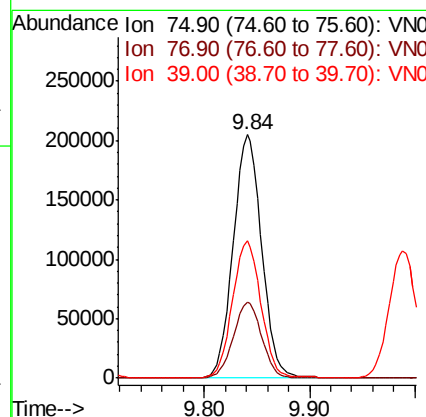
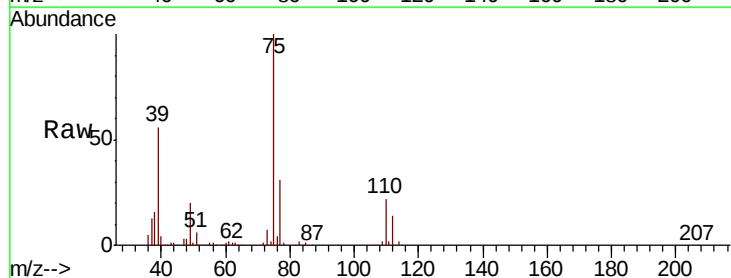
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion: 75 Resp: 320425
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.147 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 75 Resp: 382788
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 56.0 37.2 55.8#

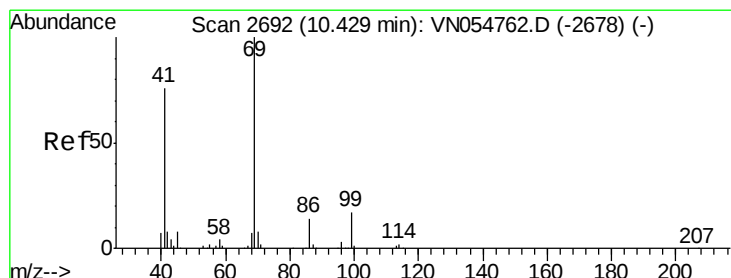
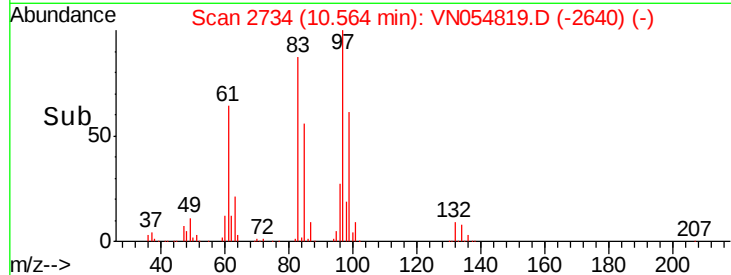
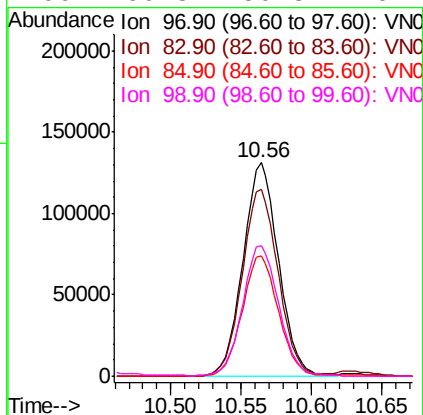
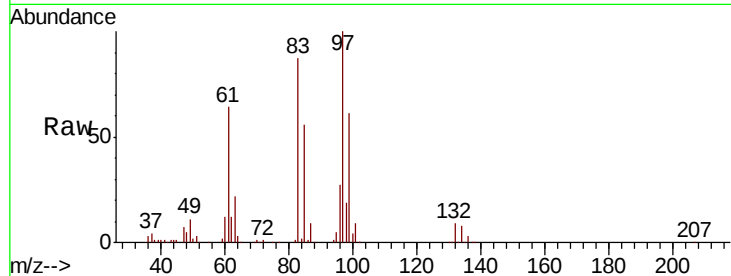




#55
 1,1,2-Trichloroethane
 Concen: 54.590 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

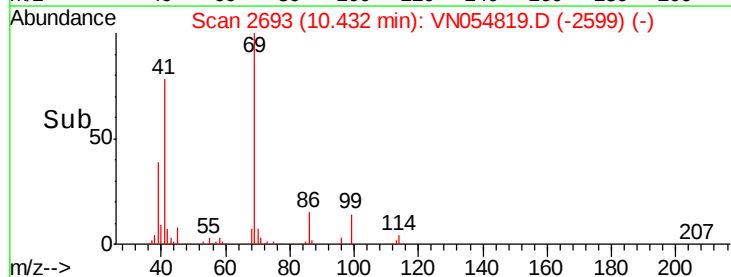
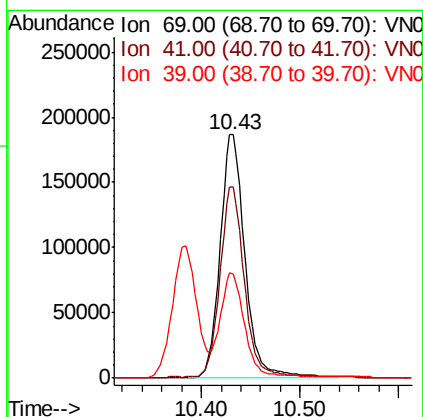
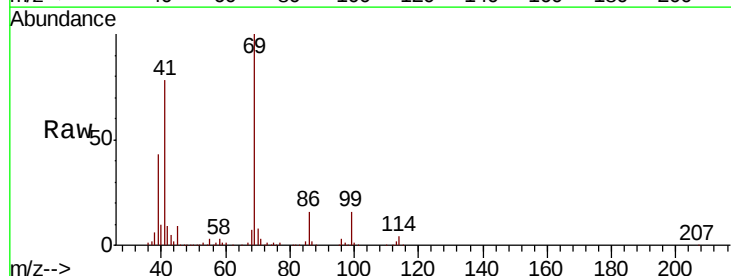
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

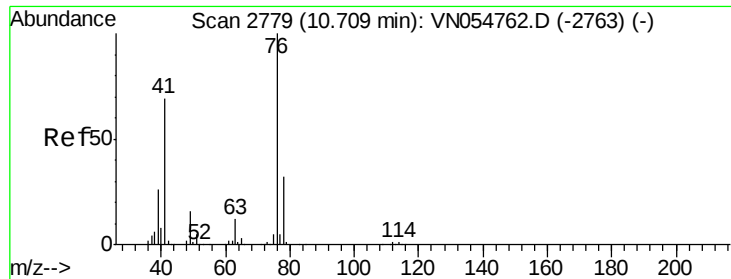
Tot Ion:	97	Resp:	232237
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.3	44.4	66.6
99	60.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 59.274 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion:	69	Resp:	330789
Ion	Ratio	Lower	Upper
69	100		
41	75.4	49.4	74.2#
39	42.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 55.140 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

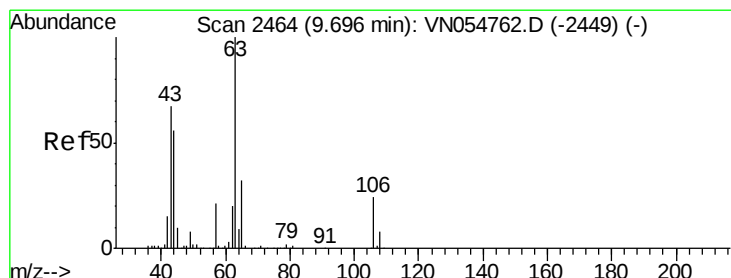
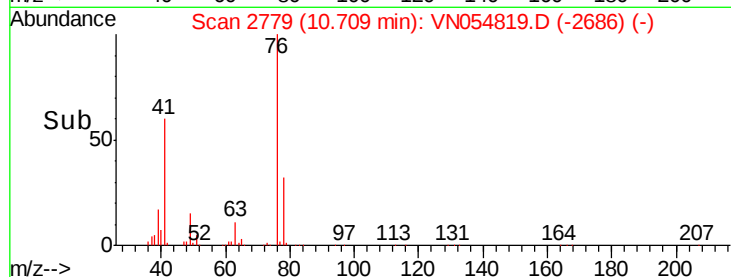
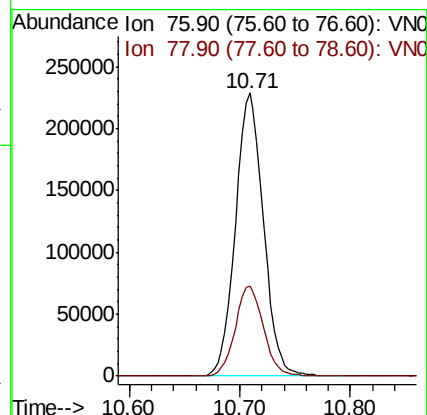
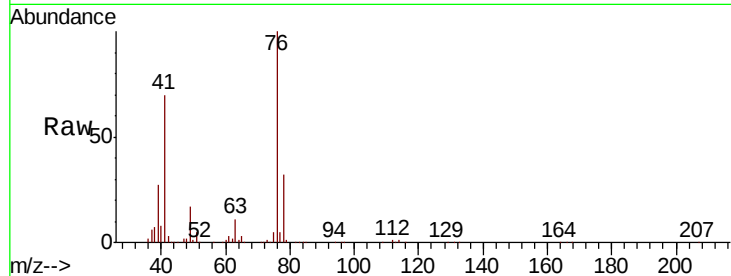
BFB

Tot Ion: 76 Resp: 403291

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 265.013 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054819.D

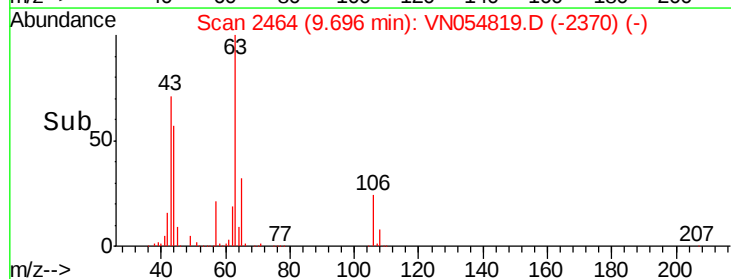
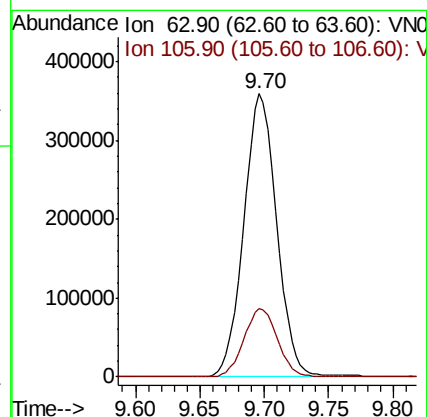
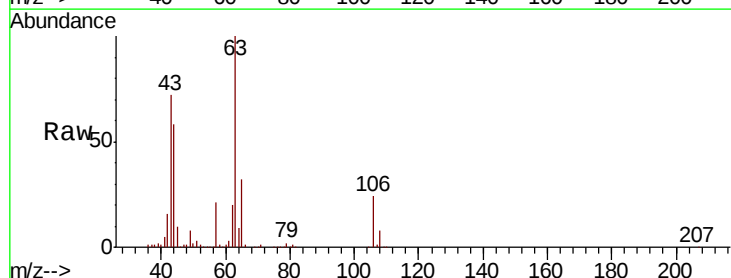
Acq: 30 Mar 2019 23:04

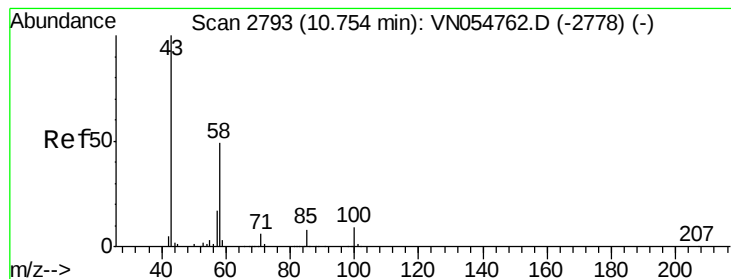
Tgt Ion: 63 Resp: 638632

Ion Ratio Lower Upper

63 100

106 24.6 24.4 36.6





#59

2-Hexanone

Concen: 322.854 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

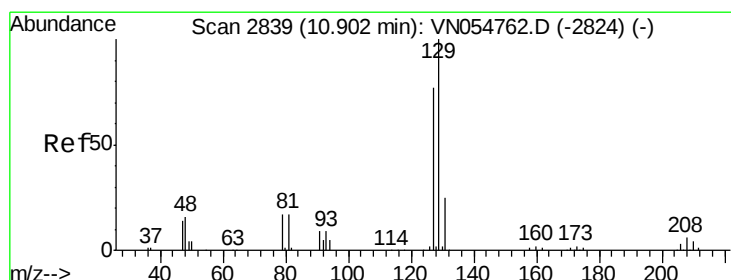
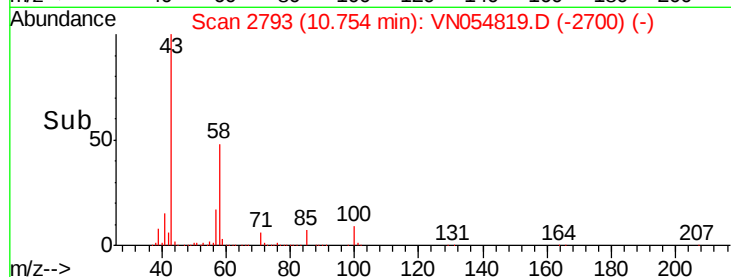
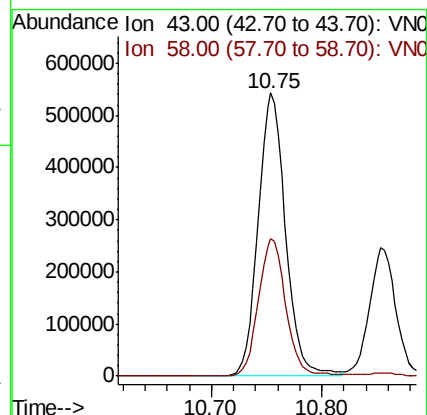
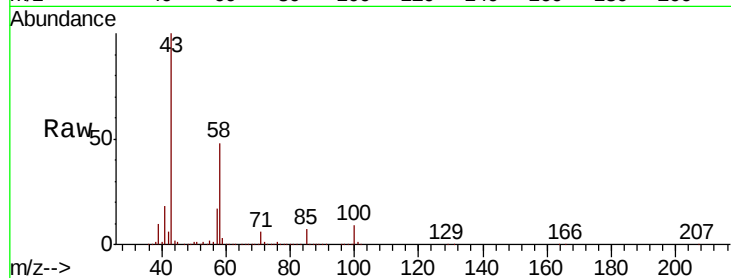
BFB

Tot Ion: 43 Resp: 930390

Ion Ratio Lower Upper

43 100

58 48.8 28.0 83.9



#60

Dibromochloromethane

Concen: 56.848 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN054819.D

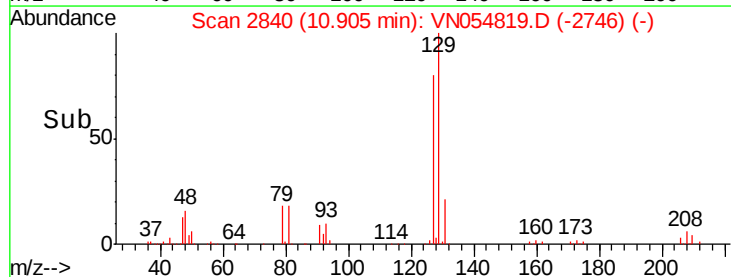
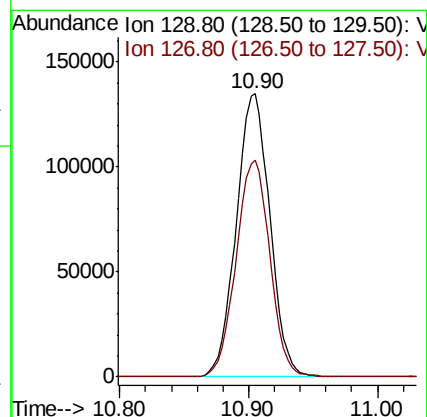
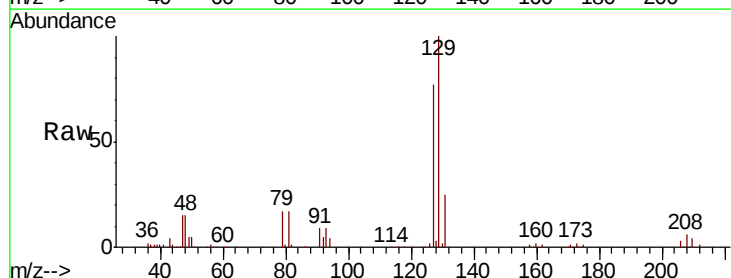
Acq: 30 Mar 2019 23:04

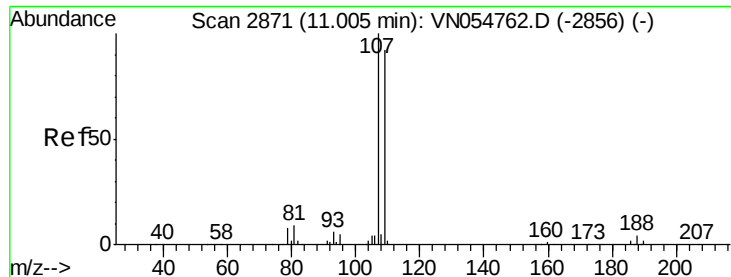
Tgt Ion: 129 Resp: 244981

Ion Ratio Lower Upper

129 100

127 76.8 38.6 115.8

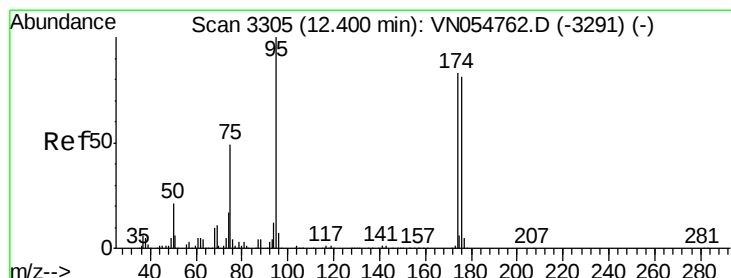
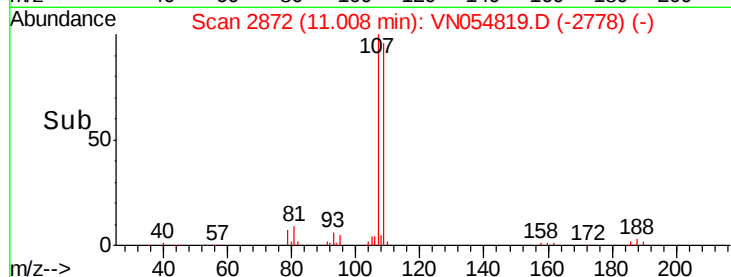
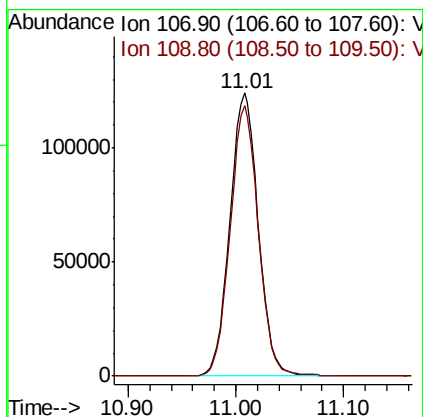
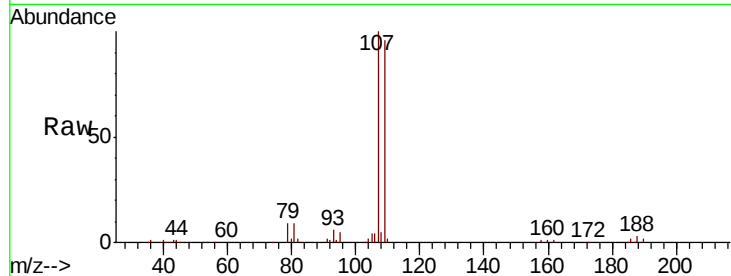




#61
 1,2-Dibromoethane
 Concen: 56.038 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

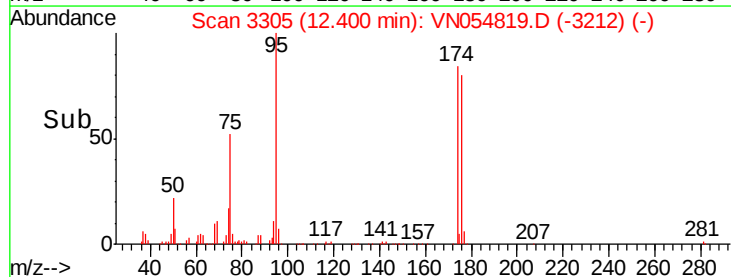
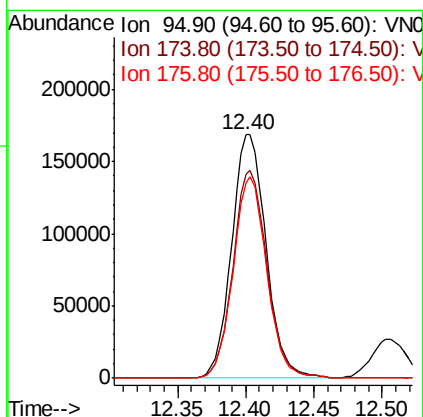
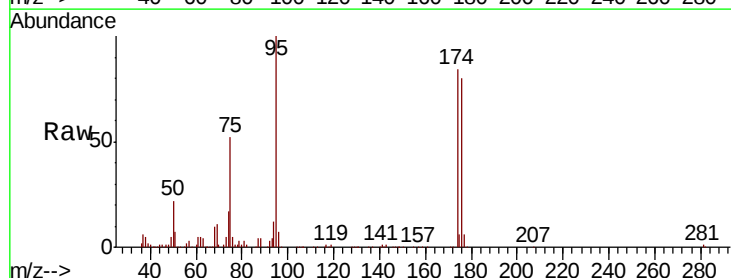
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

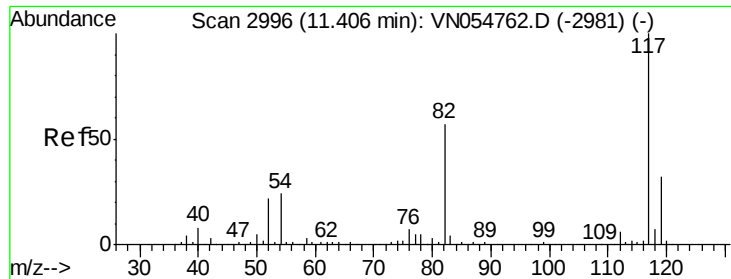
Tot Ion: 107 Resp: 227828
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.749 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 95 Resp: 295736
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 191.0
 176 80.9 0.0 187.4

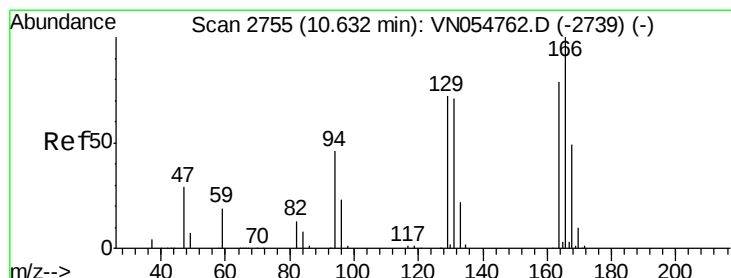
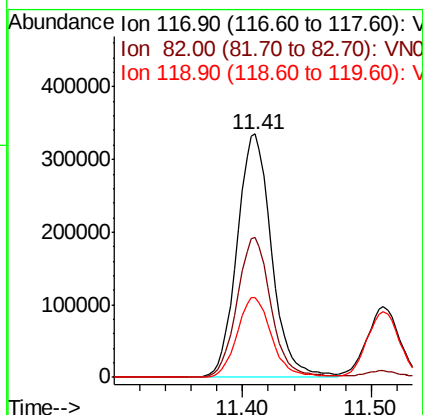
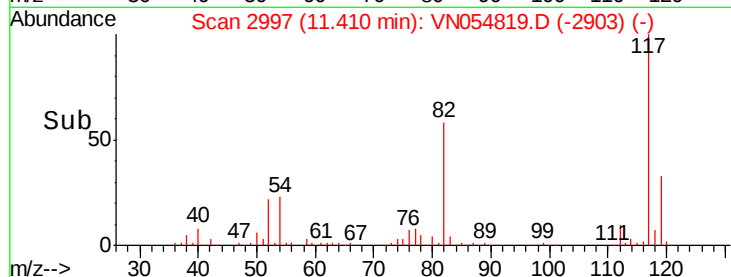
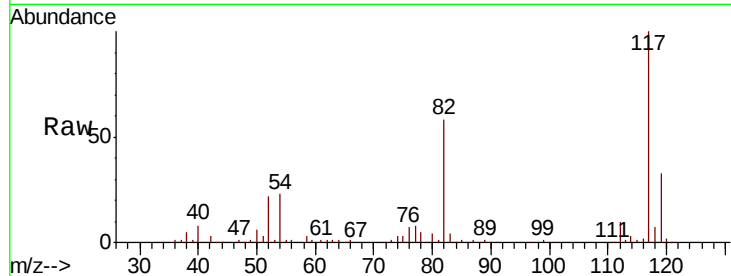




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

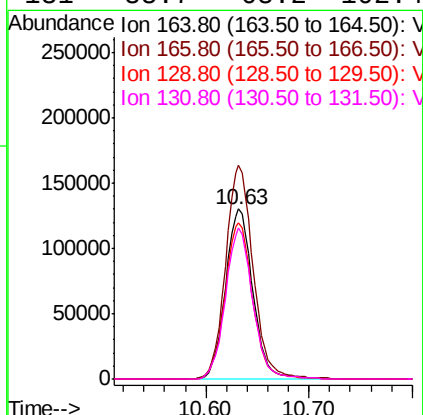
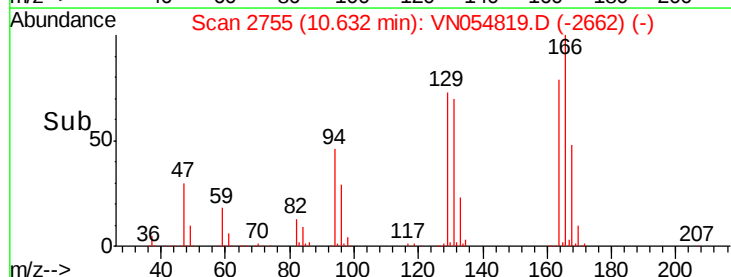
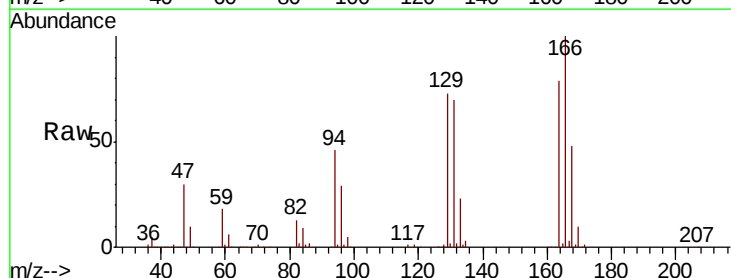
Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:117 Resp: 624361
Ion Ratio Lower Upper
117 100
82 57.6 40.0 60.0
119 32.9 25.8 38.6



#64
Tetrachloroethene
Concen: 50.307 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:164 Resp: 241028
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 92.2 71.1 106.7
131 88.7 68.2 102.4

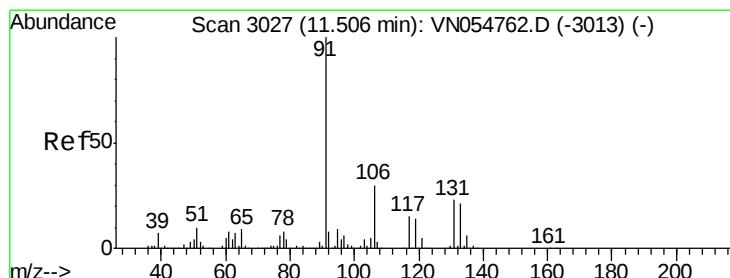
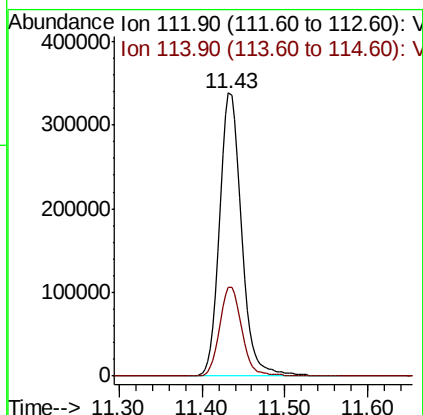
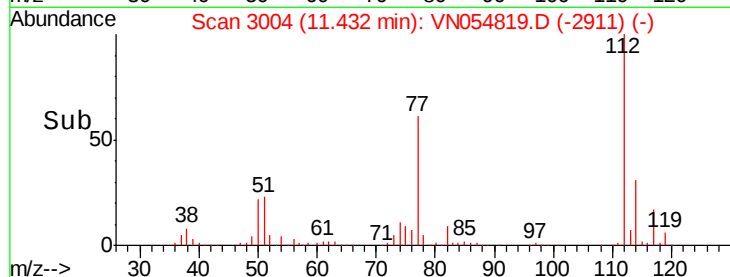
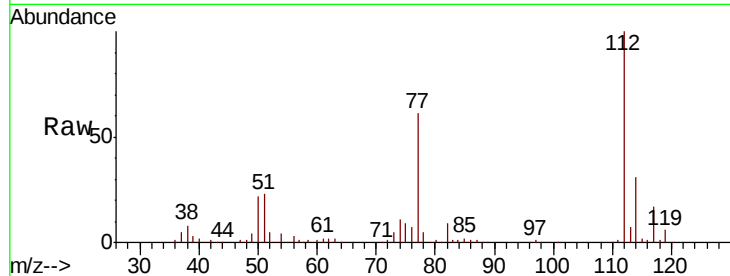




#65
Chlorobenzene
Concen: 50.717 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

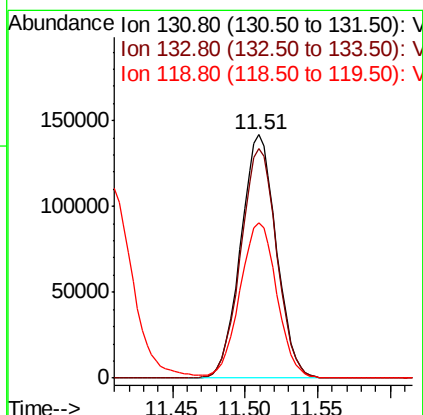
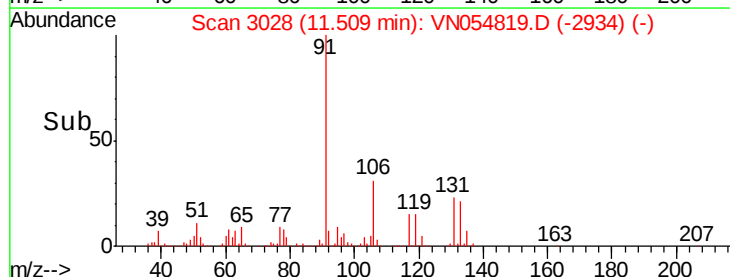
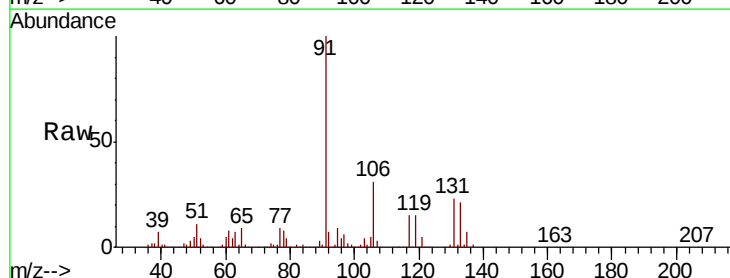
Instrument :
MSVOA_N
ClientSampled :
BFB

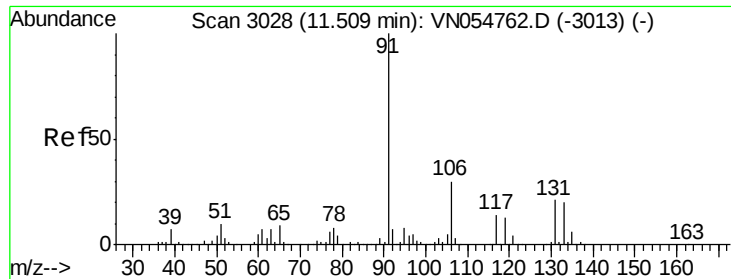
Tot Ion:112 Resp: 619978
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.902 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:131 Resp: 242055
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.4 32.4 97.0

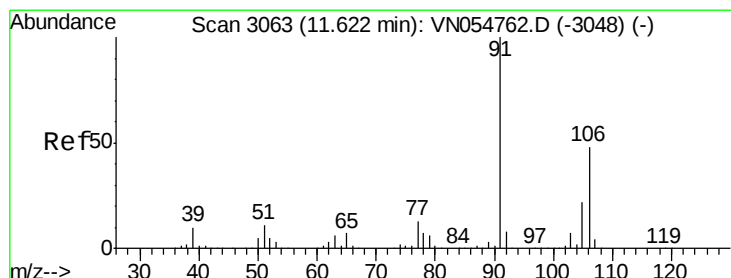
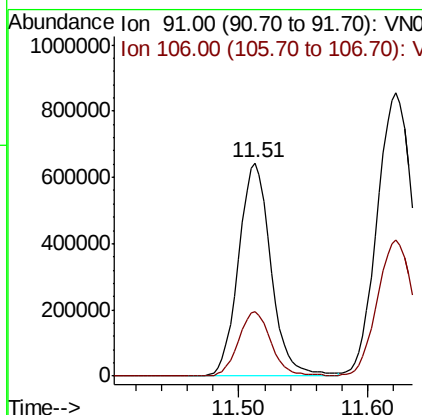
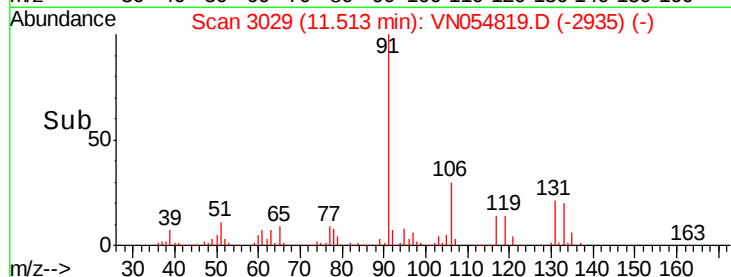
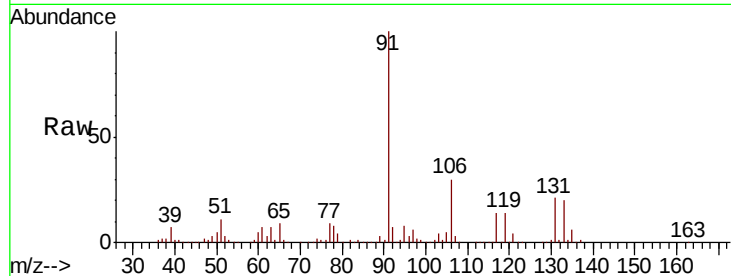




#67
Ethyl Benzene
Concen: 51.059 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

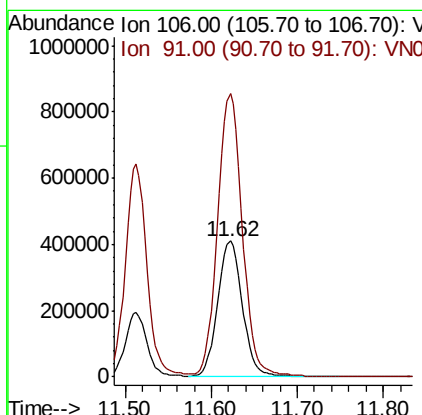
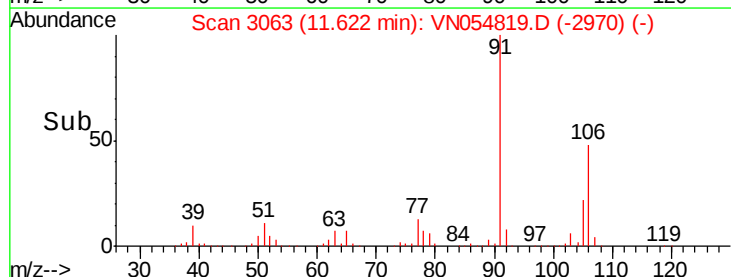
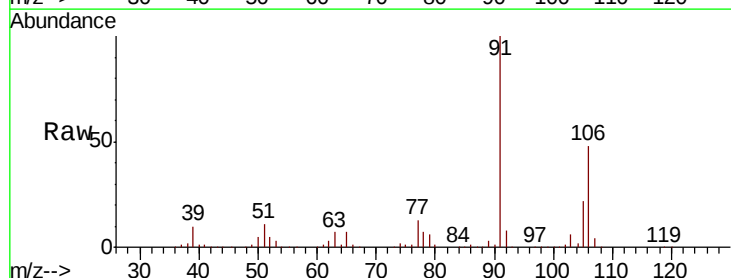
Instrument :
MSVOA_N
ClientSampled :
BFB

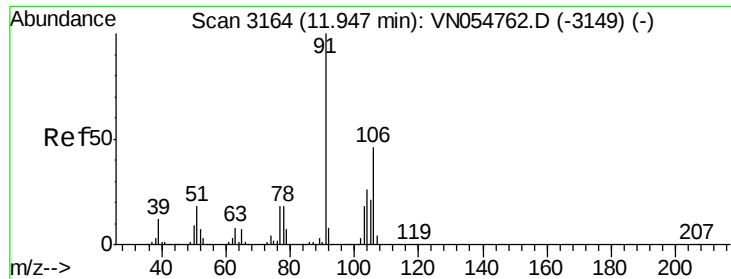
Tot Ion: 91 Resp: 1126337
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 101.446 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 106 Resp: 828141
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2

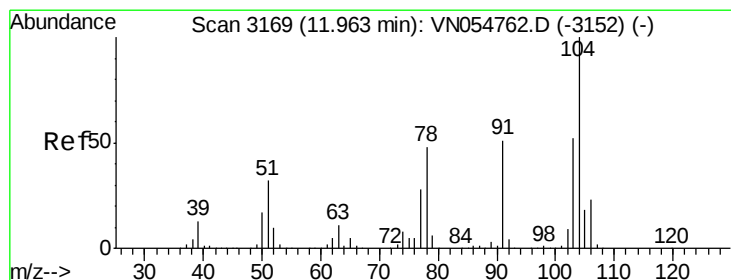
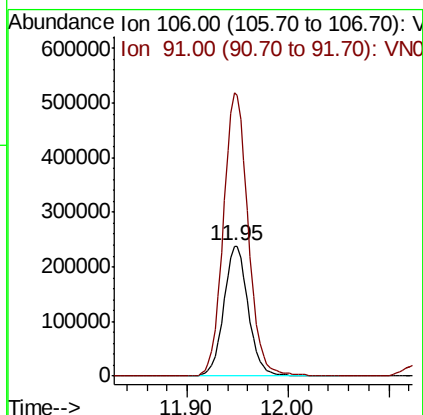
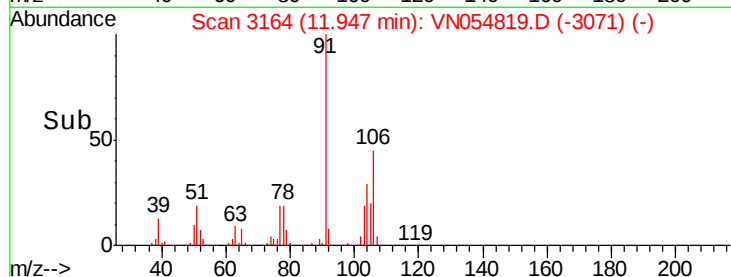
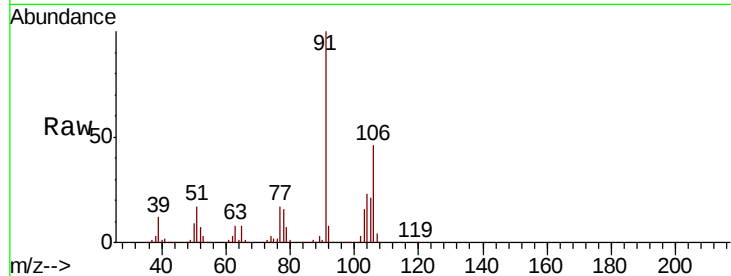




#69
o-Xylene
Concen: 50.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

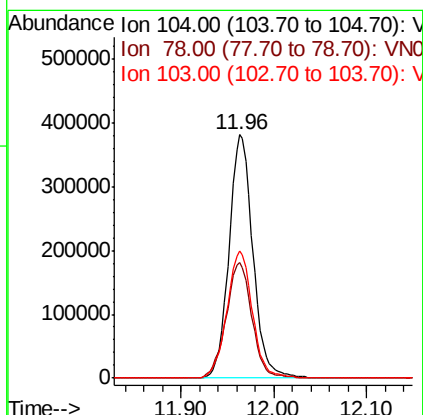
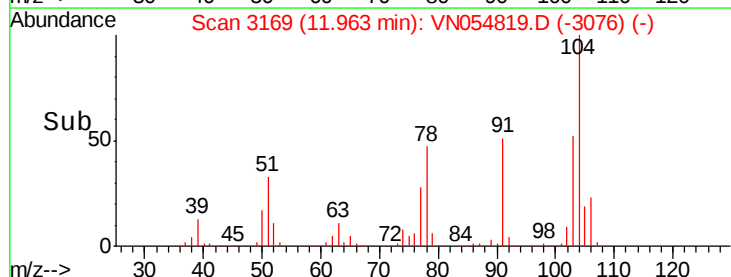
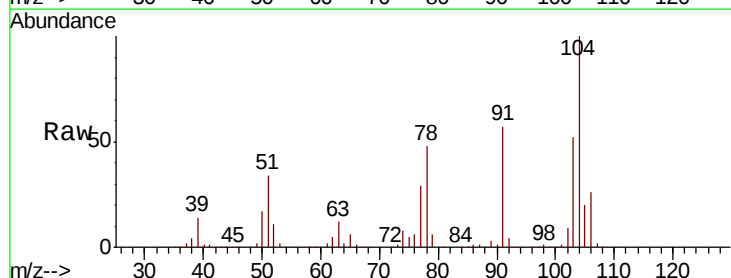
Instrument :
MSVOA_N
ClientSampled :
BFB

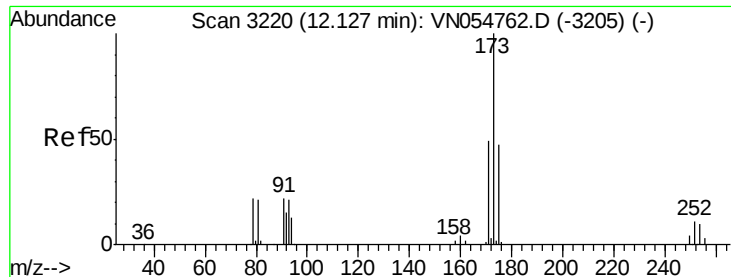
Tot Ion:106 Resp: 403588
Ion Ratio Lower Upper
106 100
91 221.2 105.7 317.1



#70
Styrene
Concen: 53.138 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:104 Resp: 680130
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 58.391 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

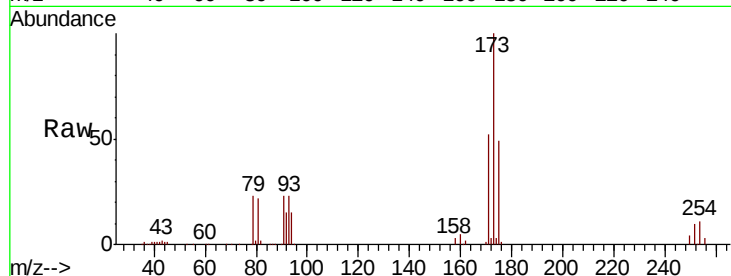
Tot Ion:173 Resp: 156519

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.2

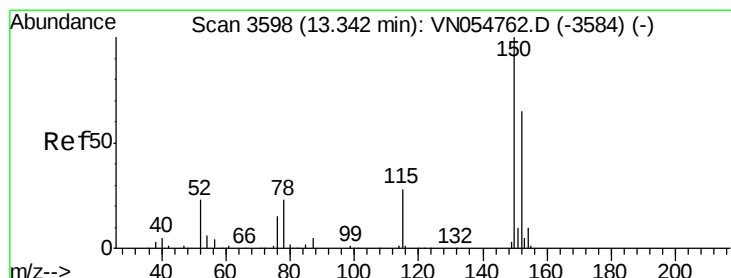
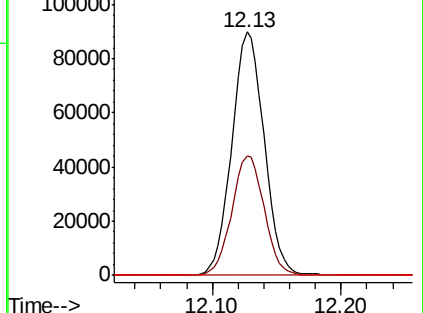
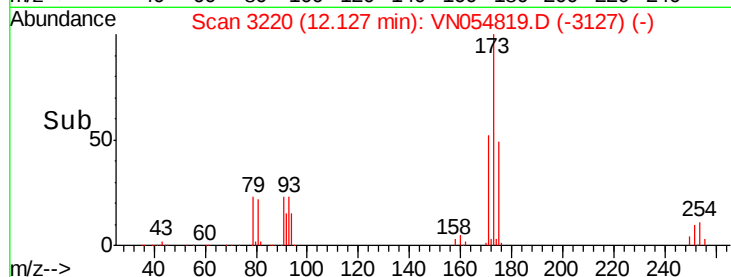
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

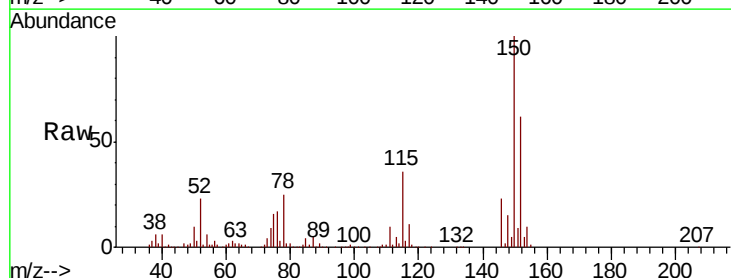
Tgt Ion:152 Resp: 270622

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

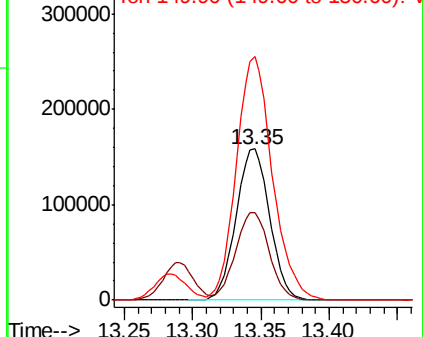
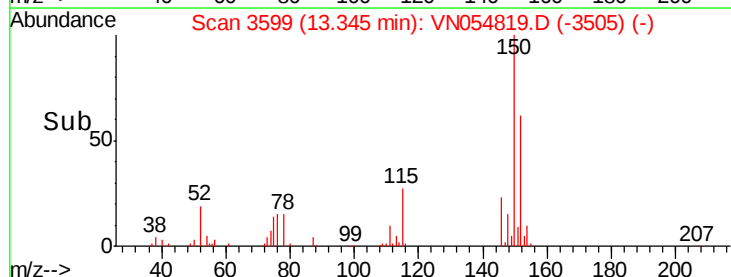
150 172.7 0.0 349.2

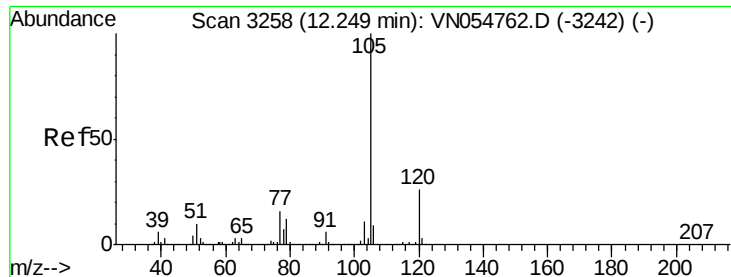


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

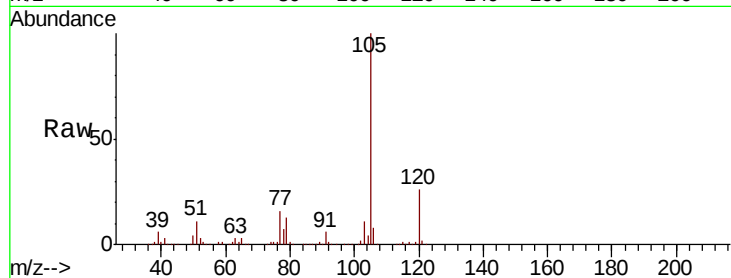
BFB

Tot Ion:105 Resp: 1076578

Ion Ratio Lower Upper

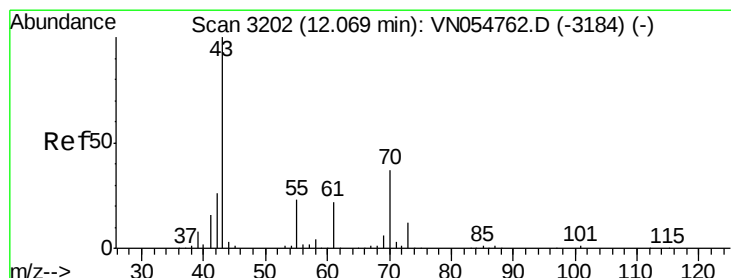
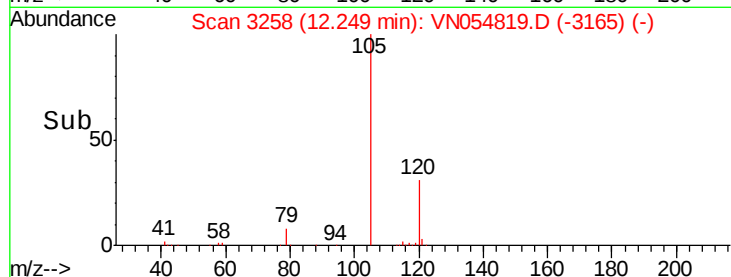
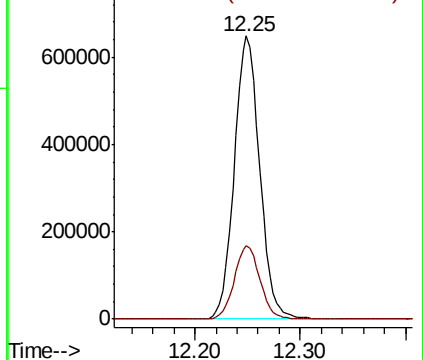
105 100

120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.100 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 400375

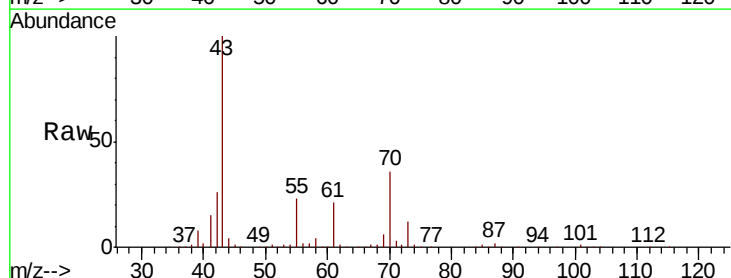
Ion Ratio Lower Upper

43 100

70 36.4 35.4 53.0

55 23.0 19.8 29.6

61 21.4 19.8 29.6

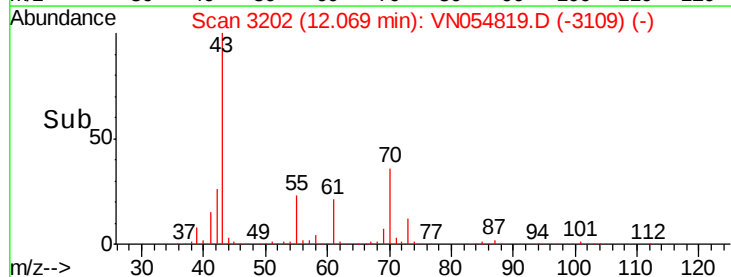
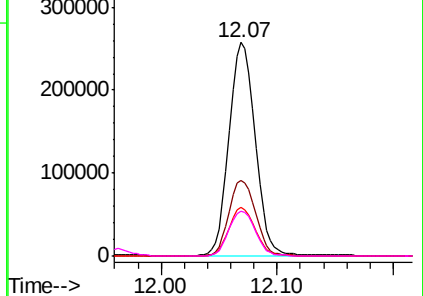


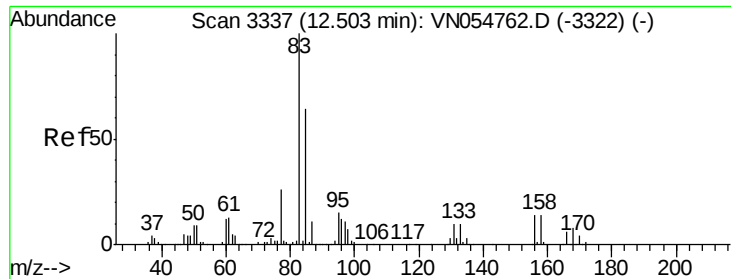
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 60.475 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

BFB

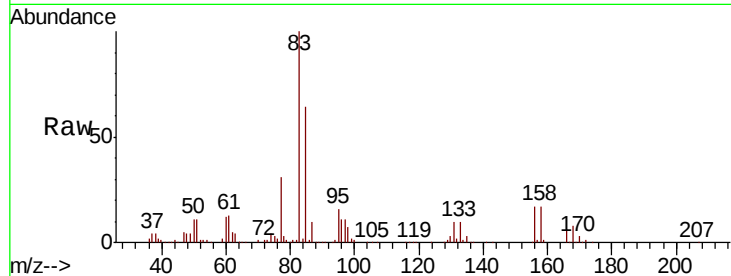
Tot Ion: 83 Resp: 293138

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

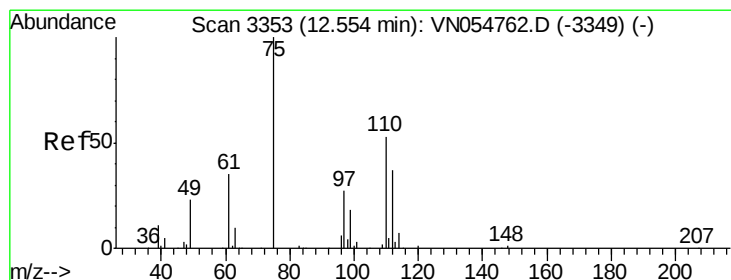
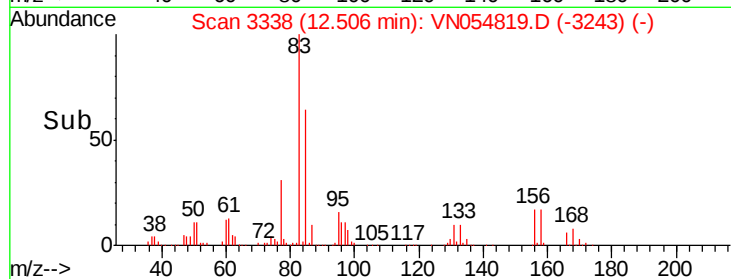
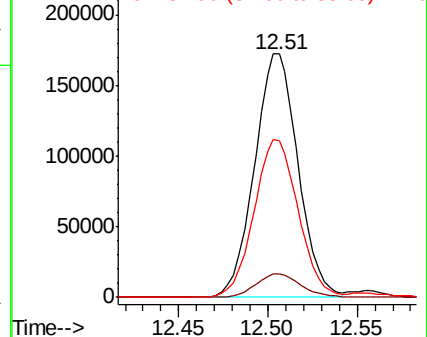
85 65.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.968 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054819.D

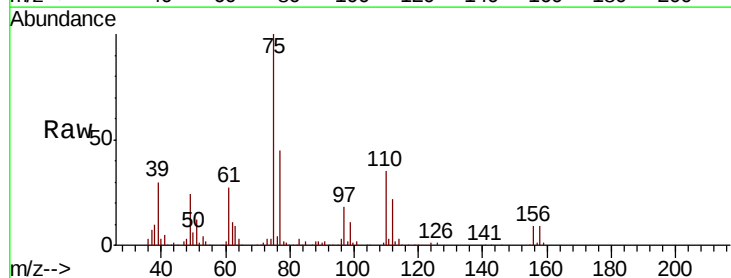
Acq: 30 Mar 2019 23:04

Tgt Ion: 75 Resp: 347750

Ion Ratio Lower Upper

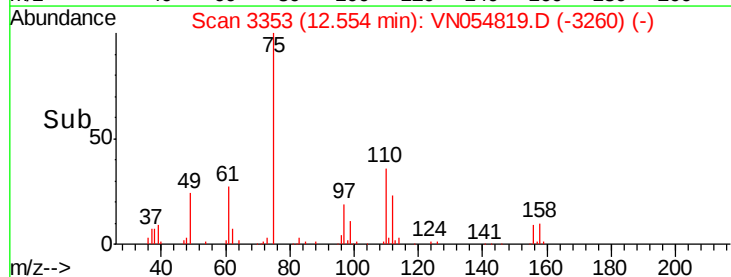
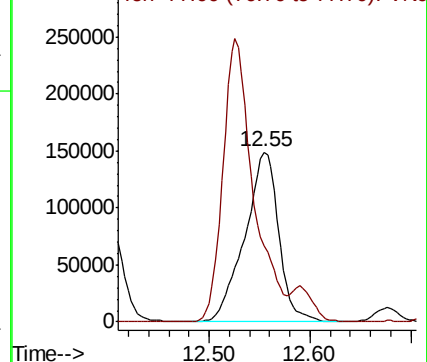
75 100

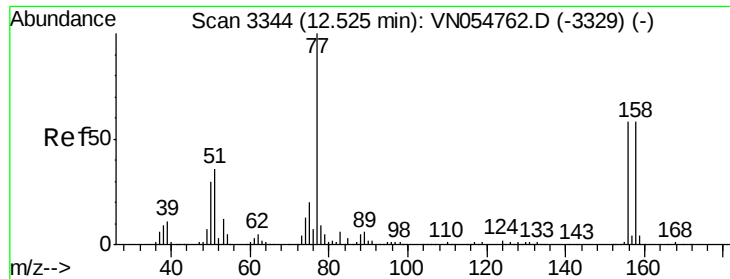
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

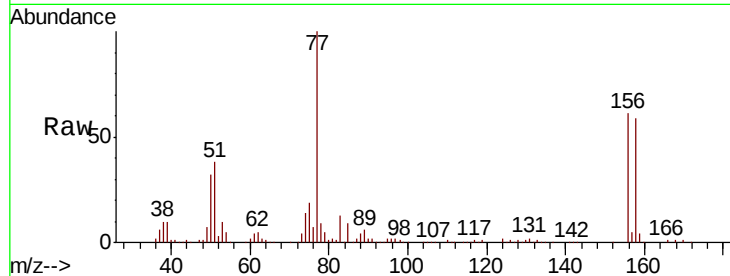
Tot Ion:156 Resp: 268017

Ion Ratio Lower Upper

156 100

77 196.2 81.5 244.4

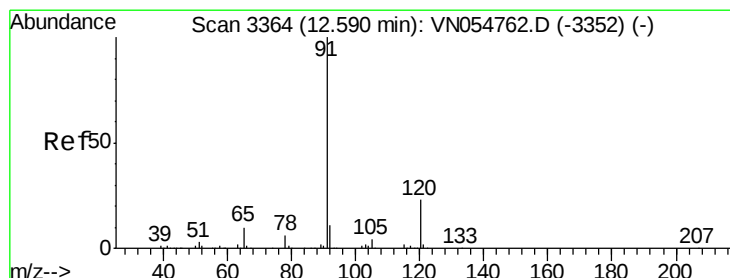
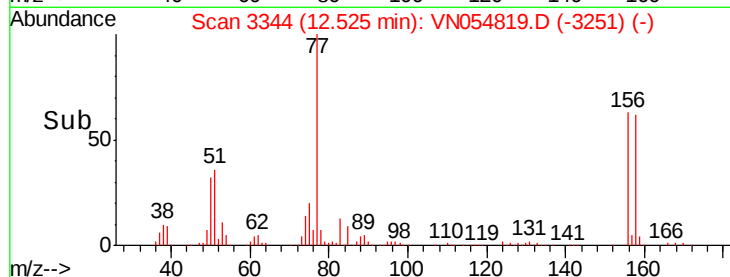
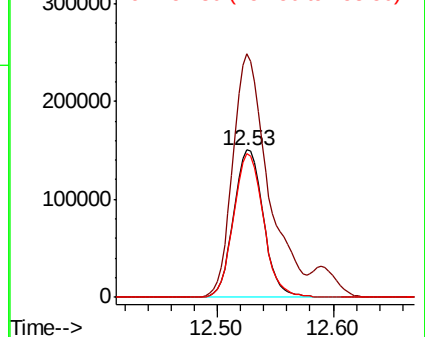
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.811 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054819.D

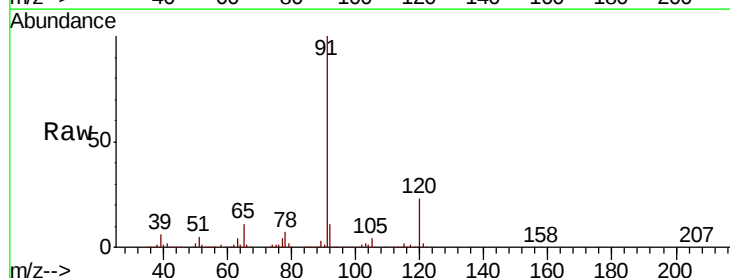
Acq: 30 Mar 2019 23:04

Tgt Ion: 91 Resp: 1186673

Ion Ratio Lower Upper

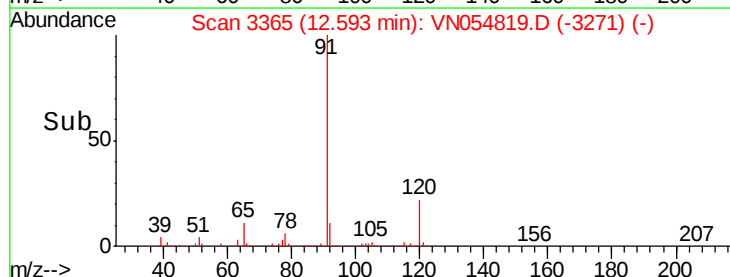
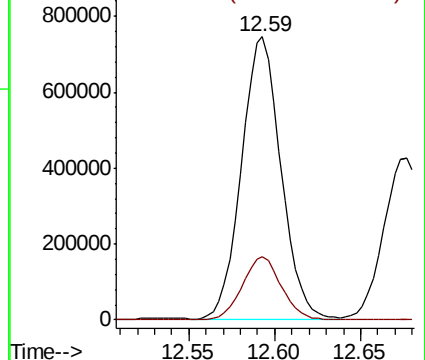
91 100

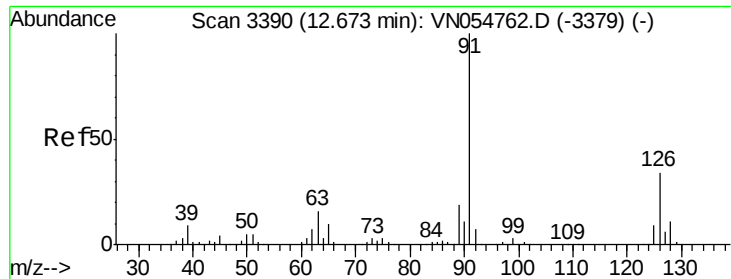
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

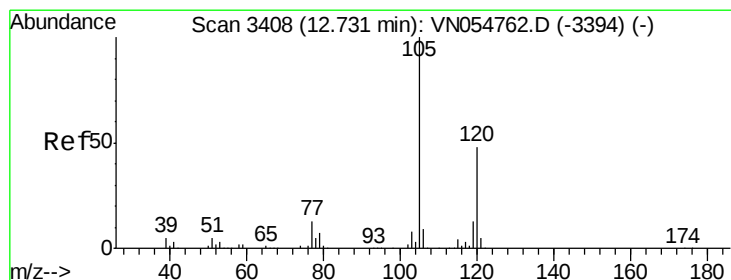
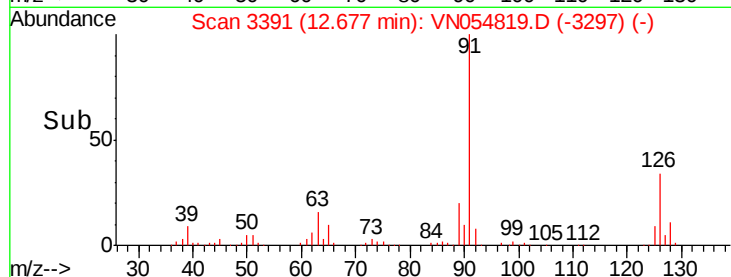
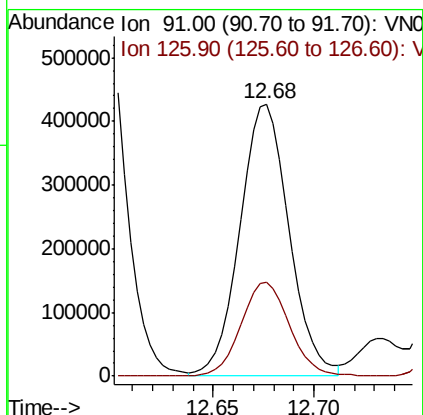
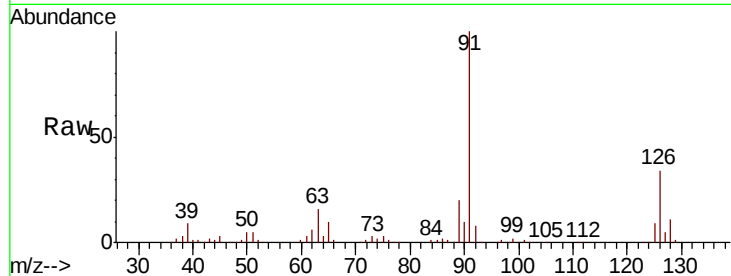




#79
 2-Chlorotoluene
 Concen: 48.134 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

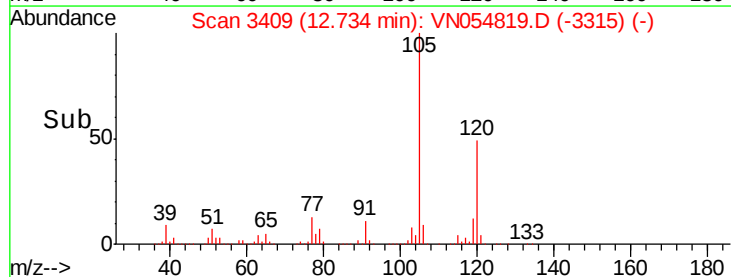
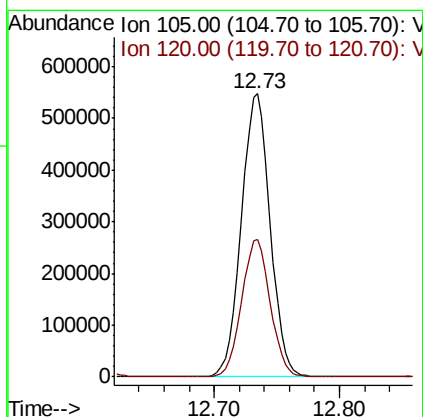
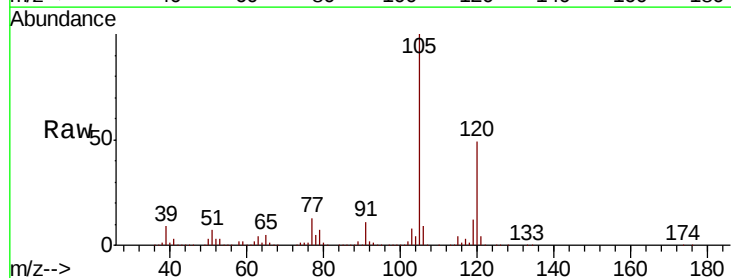
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

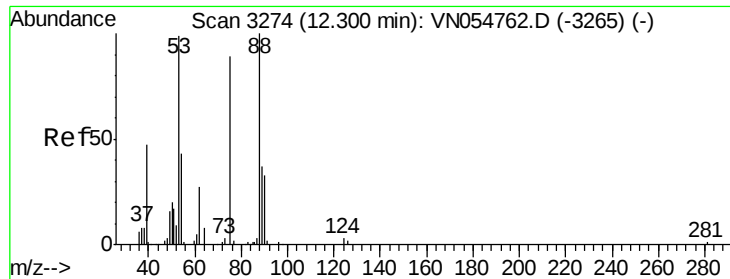
Tot Ion: 91 Resp: 723974
 Ion Ratio Lower Upper
 91 100
 126 34.4 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.016 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 105 Resp: 871477
 Ion Ratio Lower Upper
 105 100
 120 48.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.819 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

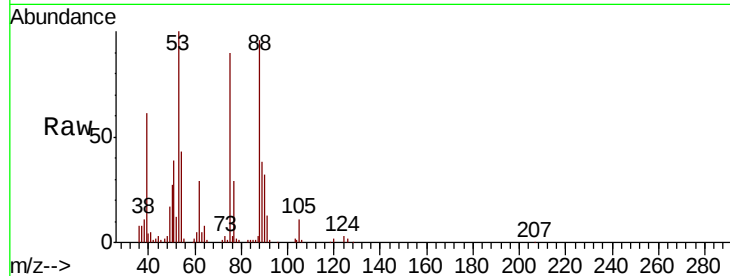
Tot Ion: 75 Resp: 61422

Ion Ratio Lower Upper

75 100

53 113.7 76.2 114.2

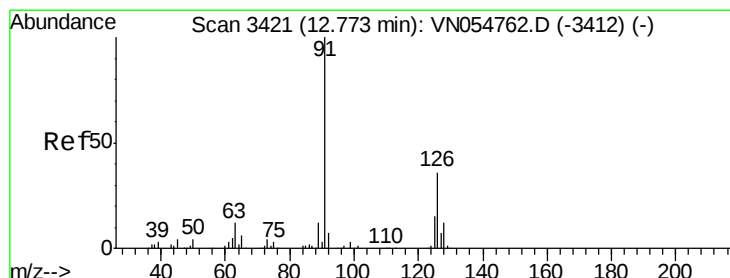
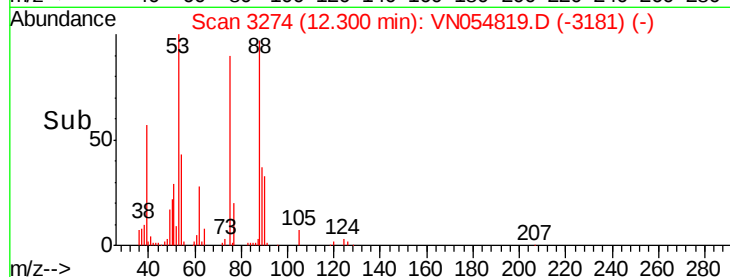
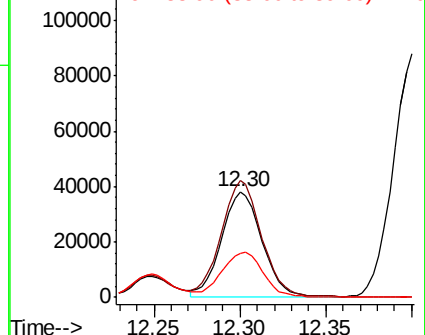
89 44.8 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.185 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054819.D

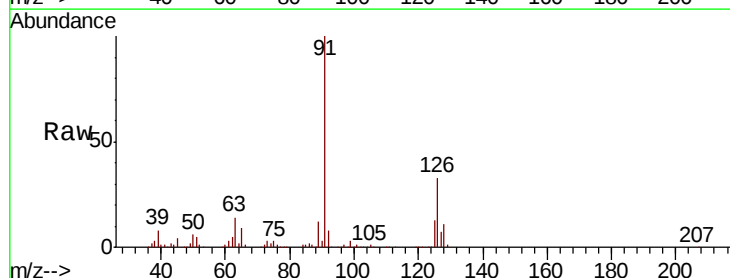
Acq: 30 Mar 2019 23:04

Tgt Ion: 91 Resp: 718546

Ion Ratio Lower Upper

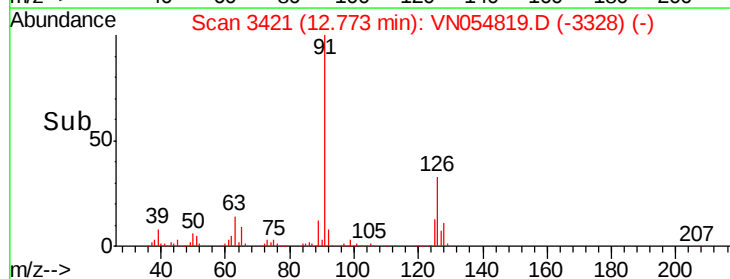
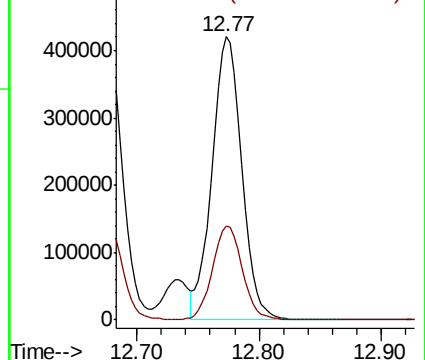
91 100

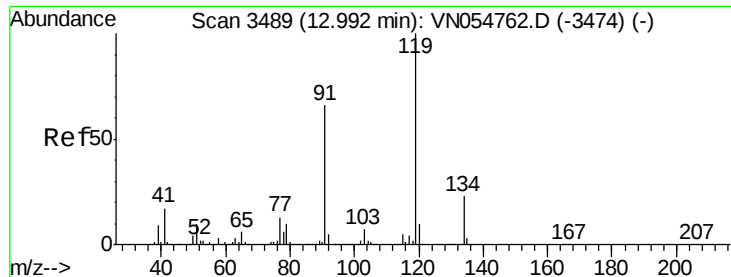
126 33.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

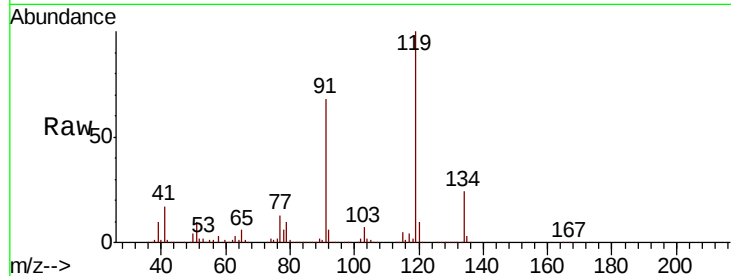




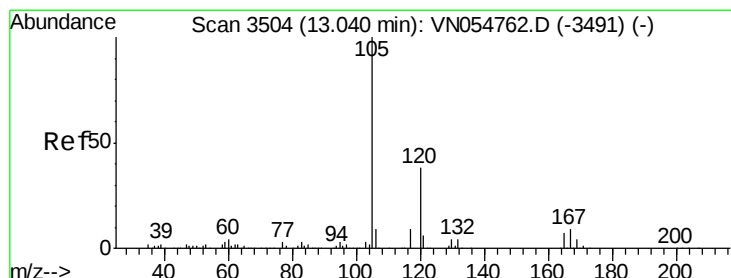
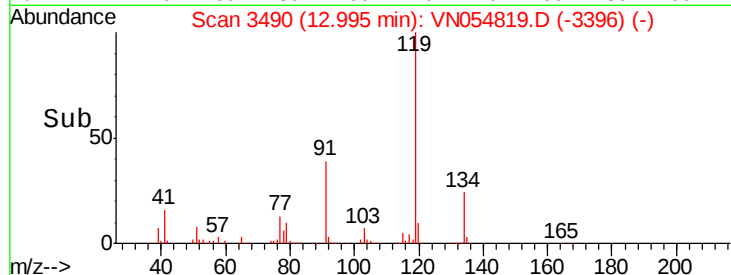
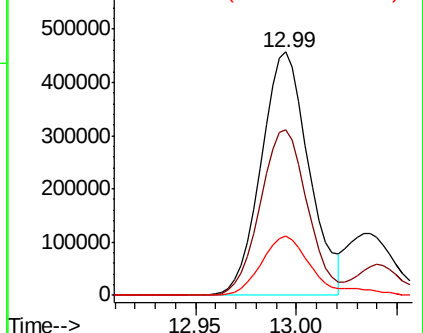
#83
tert-Butylbenzene
Concen: 53.673 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:119 Resp: 752633
Ion Ratio Lower Upper
119 100
91 67.7 30.9 92.8
134 26.1 13.2 39.6

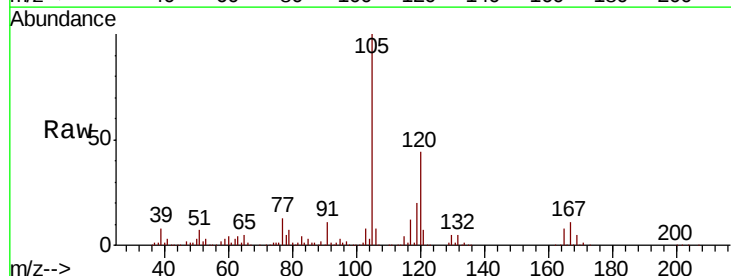


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

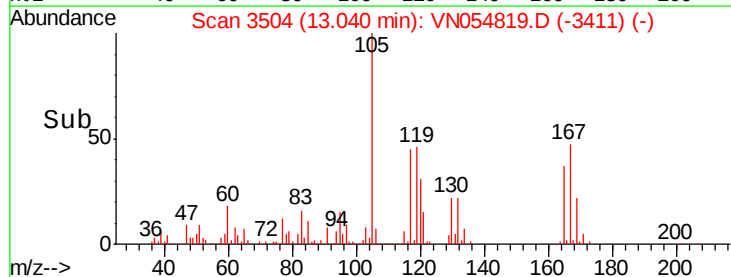
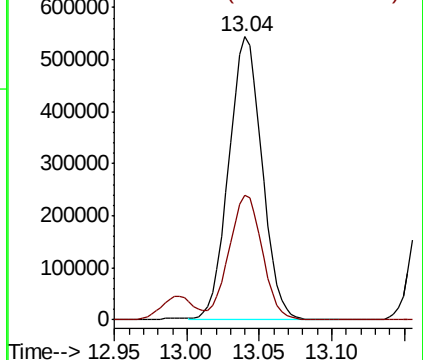


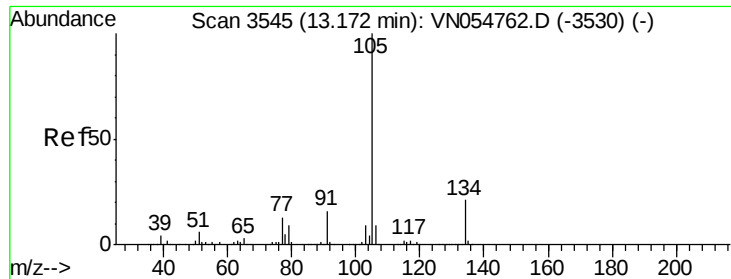
#84
1,2,4-Trimethylbenzene
Concen: 50.128 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:105 Resp: 866774
Ion Ratio Lower Upper
105 100
120 44.3 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 48.064 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

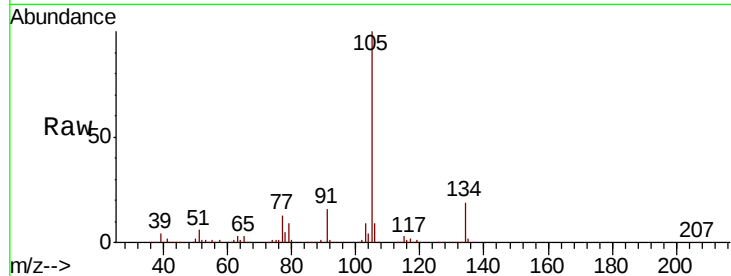
BFB

Tot Ion:105 Resp: 947651

Ion Ratio Lower Upper

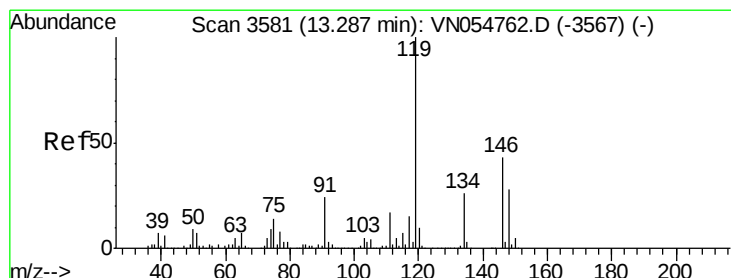
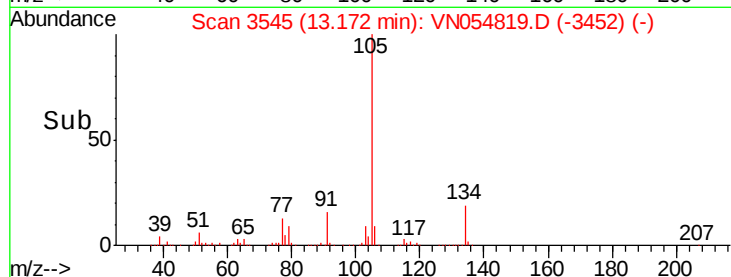
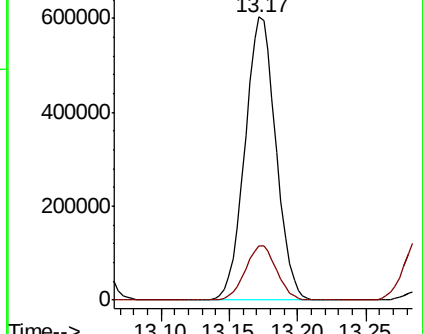
105 100

134 19.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.523 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

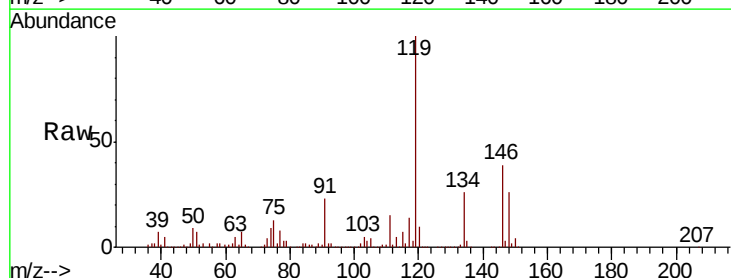
Tgt Ion:119 Resp: 826411

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

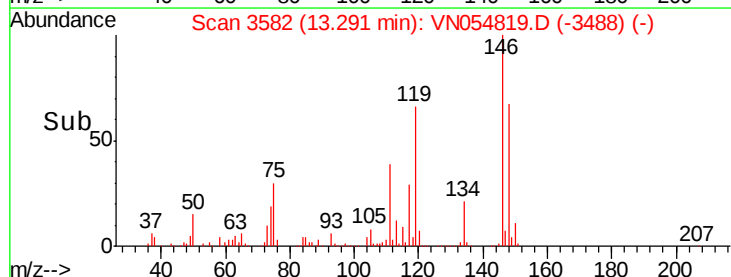
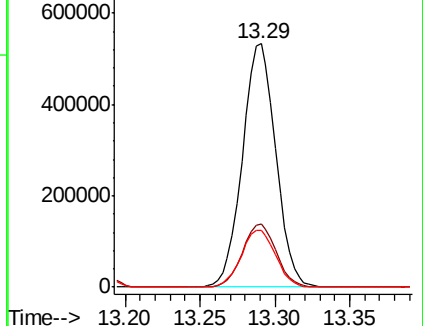
91 23.9 11.1 33.3

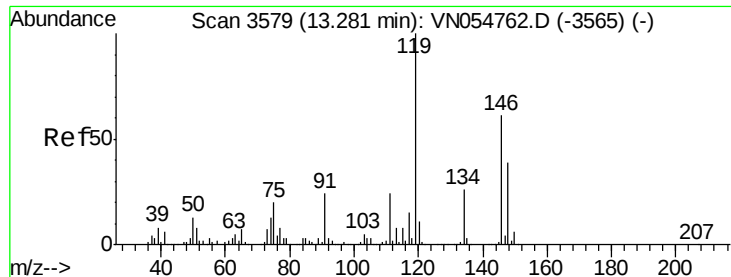


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

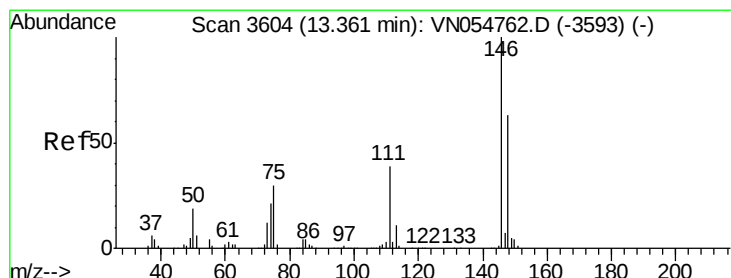
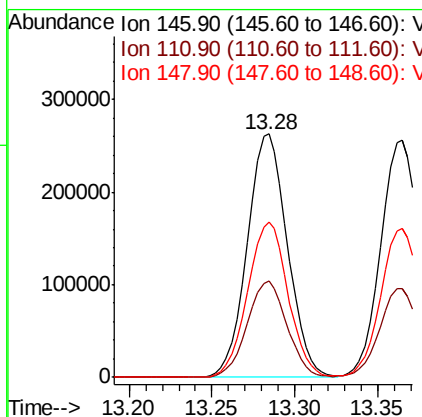
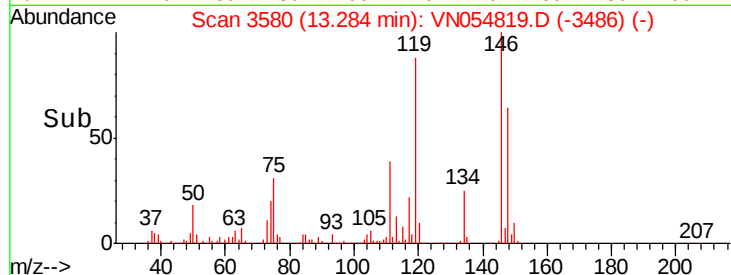
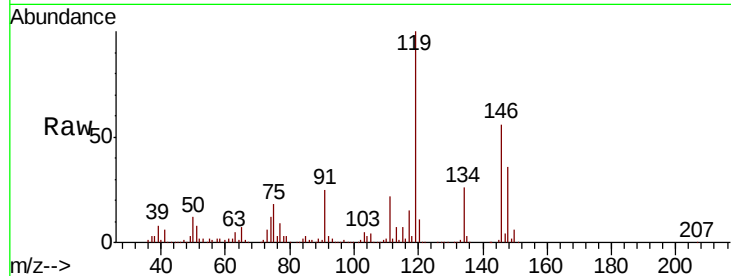




#87
 1,3-Dichlorobenzene
 Concen: 49.350 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

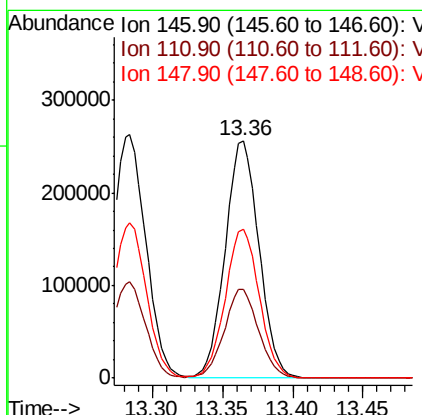
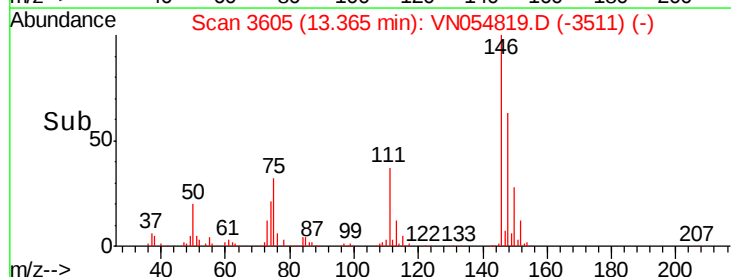
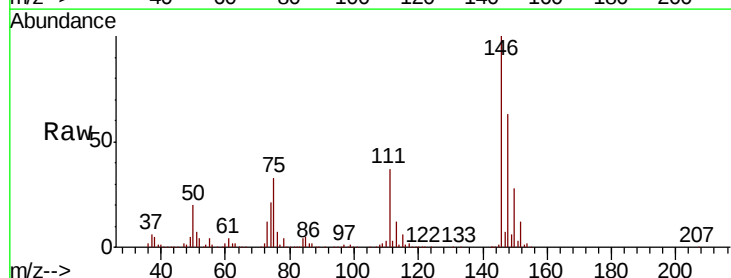
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

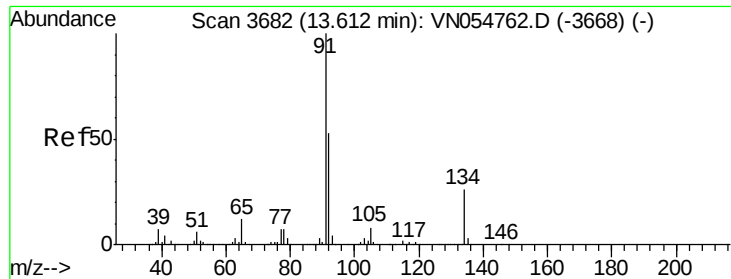
Tot Ion:146 Resp: 441083
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.8 56.3
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion:146 Resp: 429778
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.1
 148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 46.791 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

BFB

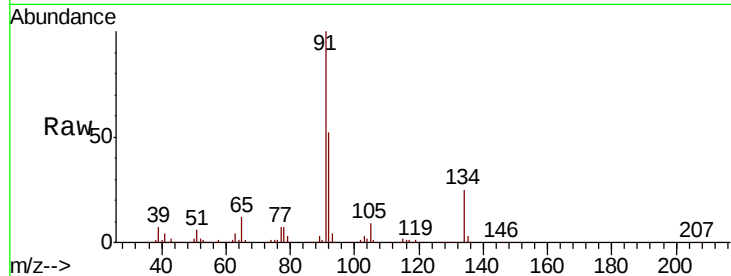
Tot Ion: 91 Resp: 663865

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

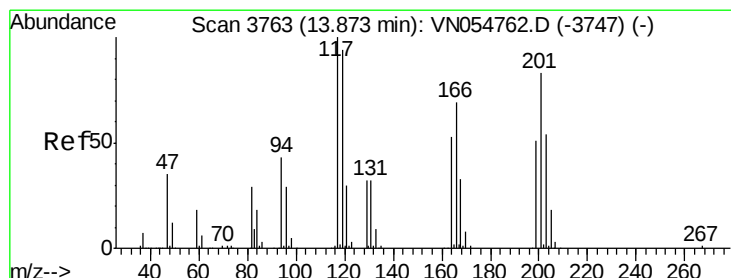
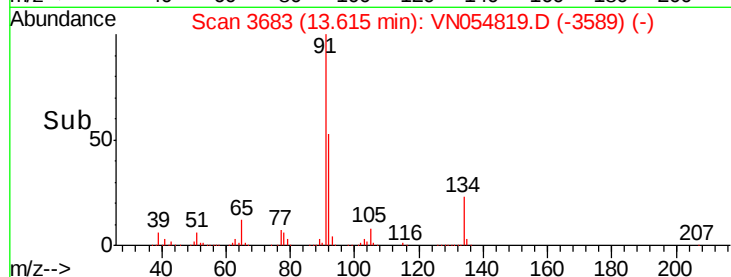
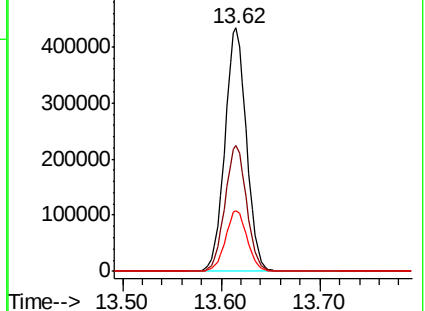
134 25.0 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)



#90

Hexachloroethane

Concen: 49.826 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054819.D

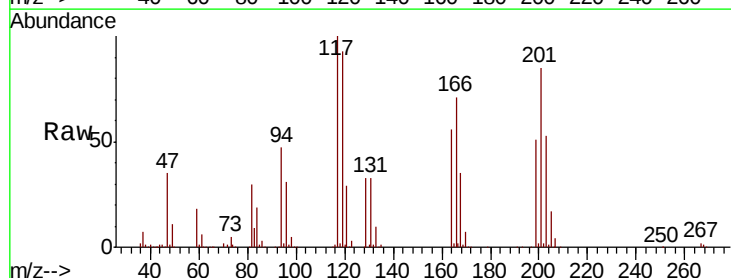
Acq: 30 Mar 2019 23:04

Tgt Ion: 117 Resp: 147110

Ion Ratio Lower Upper

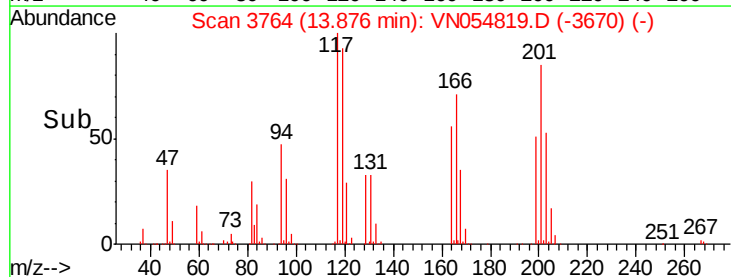
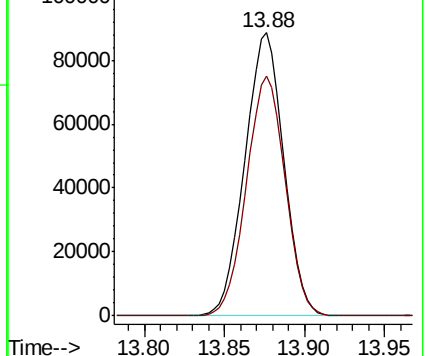
117 100

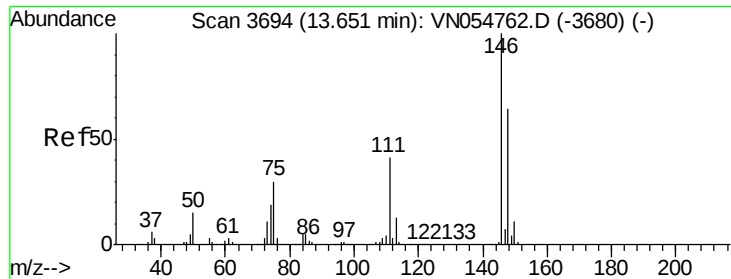
201 84.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)





#91

1,2-Dichlorobenzene

Concen: 48.977 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

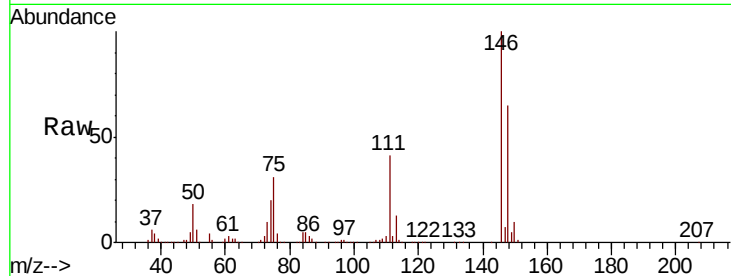
Tot Ion:146 Resp: 441791

Ion Ratio Lower Upper

146 100

111 40.6 19.1 57.3

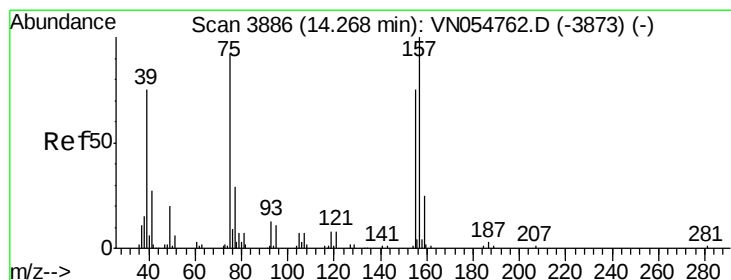
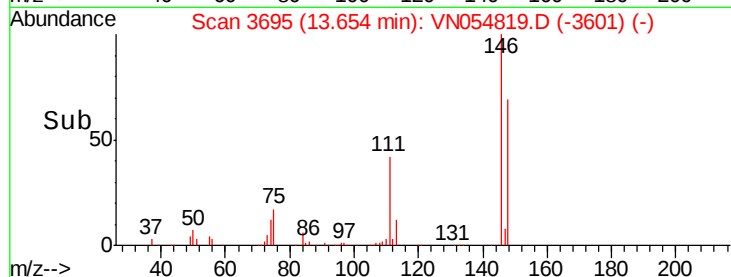
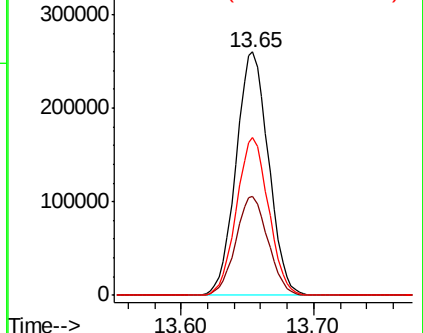
148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.714 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

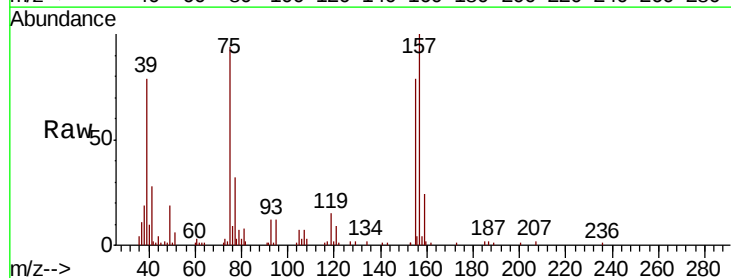
Tgt Ion: 75 Resp: 45154

Ion Ratio Lower Upper

75 100

155 87.3 50.1 150.3

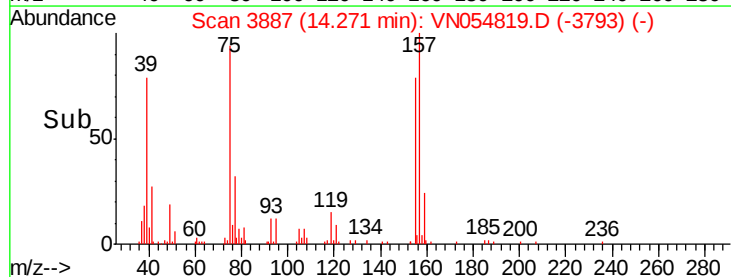
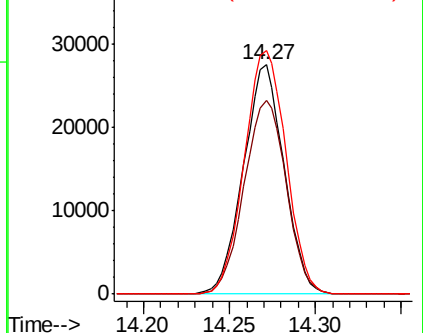
157 108.8 63.1 189.3

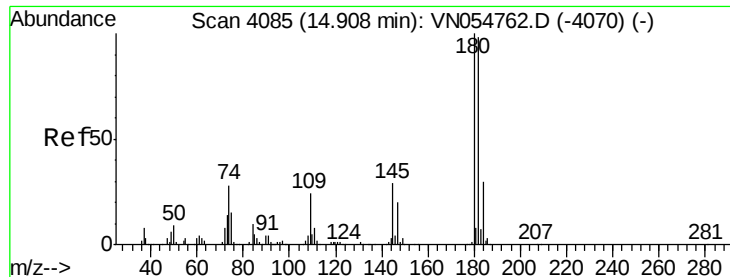


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

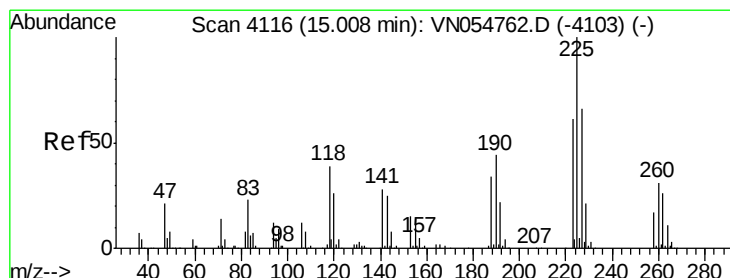
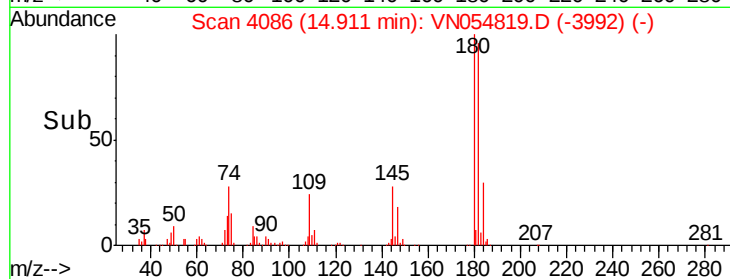
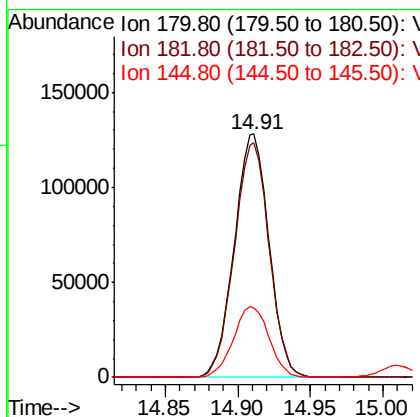
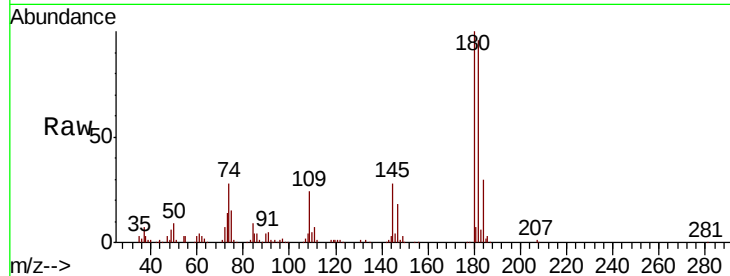




#93
 1,2,4-Trichlorobenzene
 Concen: 48.952 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

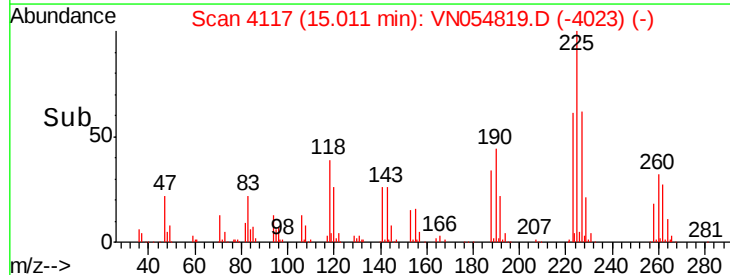
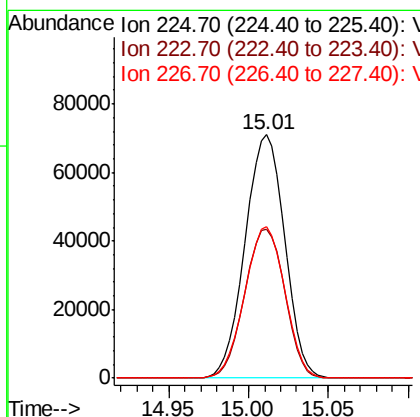
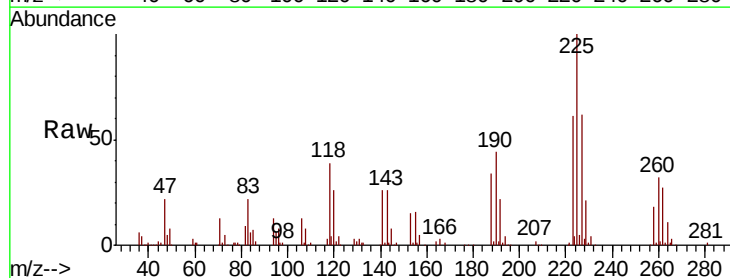
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	30.0	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 46.651 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	62.7	31.9	95.9





#95

Naphthalene

Concen: 54.581 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

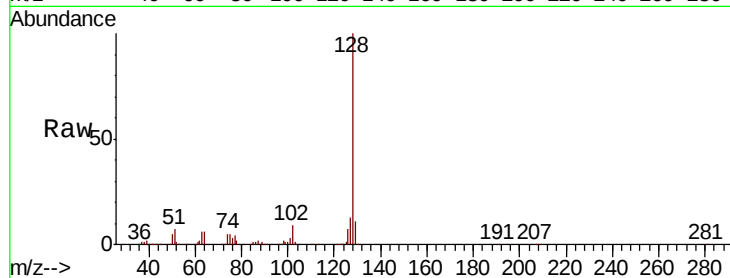
Tot Ion:128 Resp: 532356

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

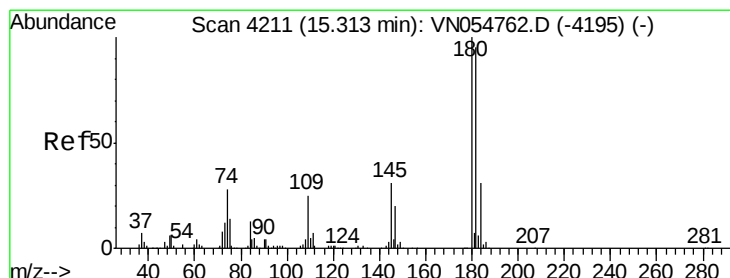
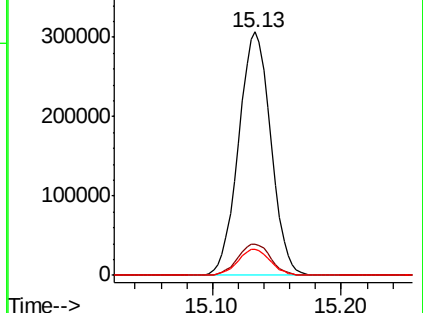
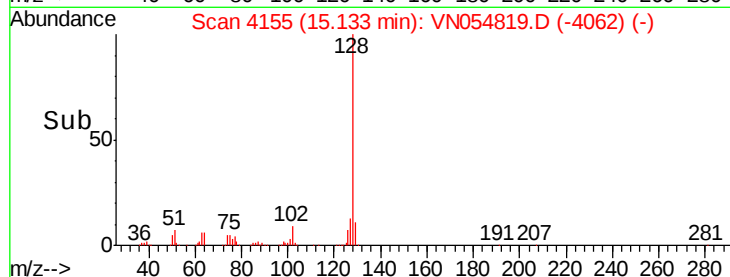
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.534 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

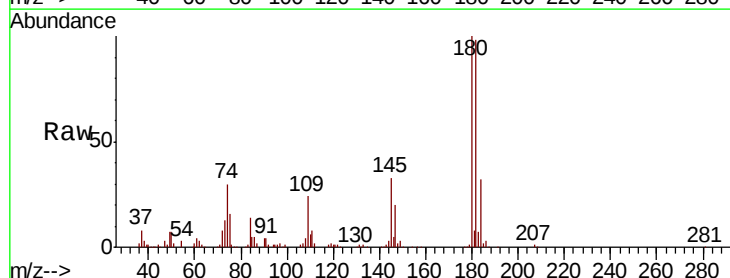
Tgt Ion:180 Resp: 217551

Ion Ratio Lower Upper

180 100

182 96.4 47.5 142.6

145 32.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

