

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054180.D
 Acq On : 12 Mar 2019 23:31
 Operator : JC/SP
 Sample : VN0312WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Quant Time: Mar 13 07:31:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1406744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2192616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1929920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	919286	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	779072	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	713629	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.09	98	2597437	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	900400	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	282968	21.224	ug/l	99
3) Chloromethane	2.06	50	273162	21.092	ug/l	99
4) Vinyl Chloride	2.19	62	306744	20.723	ug/l	100
5) Bromomethane	2.58	94	208228	20.311	ug/l	95
6) Chloroethane	2.71	64	177666	19.838	ug/l	98
7) Trichlorofluoromethane	3.02	101	391708	19.904	ug/l	100
8) Diethyl Ether	3.41	74	197461	22.018	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	309542	20.989	ug/l	98
10) Methyl Iodide	3.94	142	362118	18.270	ug/l	100
11) Tert butyl alcohol	4.82	59	107955	105.406	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	316196	21.636	ug/l	98
13) Acrolein	3.61	56	89659	92.384	ug/l	93
14) Allyl chloride	4.32	41	390637	20.833	ug/l	99
15) Acrylonitrile	4.99	53	466121	110.796	ug/l	99
16) Acetone	3.82	43	350992	82.054	ug/l	98
17) Carbon Disulfide	4.04	76	760466	20.757	ug/l	99
18) Methyl Acetate	4.33	43	200368	23.153	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	796951	22.000	ug/l	98
20) Methylene Chloride	4.54	84	301333	21.454	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	300784	21.480	ug/l	98
22) Diisopropyl ether	5.96	45	786942	21.028	ug/l	98
23) Vinyl Acetate	5.90	43	2949431	106.892	ug/l	100
24) 1,1-Dichloroethane	5.85	63	512016	21.308	ug/l	98
25) 2-Butanone	6.85	43	513696	102.319	ug/l	99
26) 2,2-Dichloropropane	6.82	77	363689	17.211	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	338783	21.687	ug/l	98
28) Bromochloromethane	7.19	49	201026	20.464	ug/l	97
29) Tetrahydrofuran	7.22	42	351579	108.914	ug/l	99
30) Chloroform	7.37	83	542927	21.653	ug/l	99
31) Cyclohexane	7.65	56	472250	20.292	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	477839	21.101	ug/l	99
36) 1,1-Dichloropropene	7.79	75	408457	20.229	ug/l	99
37) Ethyl Acetate	6.94	43	243829	21.016	ug/l	100
38) Carbon Tetrachloride	7.77	117	413335	19.520	ug/l	100

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 VN0312WBSD02

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	489456	19.701	ug/l	98
40) Benzene	8.04	78	1199375	20.757	ug/l	100
41) Methacrylonitrile	7.18	41	129784	19.592	ug/l	95
42) 1,2-Dichloroethane	8.13	62	403086	20.663	ug/l	99
43) Isopropyl Acetate	8.17	43	417676	20.510	ug/l	100
44) Trichloroethene	8.83	130	371838	20.715	ug/l	97
45) 1,2-Dichloropropane	9.12	63	296804	20.686	ug/l	100
46) Dibromomethane	9.21	93	199273	20.556	ug/l	99
47) Bromodichloromethane	9.40	83	398939	20.528	ug/l	96
48) Methyl methacrylate	9.20	41	221459	21.428	ug/l	99
49) 1,4-Dioxane	9.20	88	60835	416.149	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1150424	106.745	ug/l	100
52) Toluene	10.16	92	757076	20.664	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	383904	18.571	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	445850	19.687	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	281008	21.006	ug/l	99
56) Ethyl methacrylate	10.43	69	332861	20.867	ug/l	99
57) 1,3-Dichloropropane	10.71	76	458105	20.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	613444	99.505	ug/l	98
59) 2-Hexanone	10.75	43	740231	103.223	ug/l	99
60) Dibromochloromethane	10.90	129	298960	19.855	ug/l	98
61) 1,2-Dibromoethane	11.00	107	285715	21.017	ug/l	100
64) Tetrachloroethene	10.63	164	384530	20.608	ug/l	99
65) Chlorobenzene	11.43	112	876710	20.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	315138	20.471	ug/l	99
67) Ethyl Benzene	11.51	91	1426697	20.310	ug/l	100
68) m/p-Xylenes	11.62	106	1120820	40.824	ug/l	100
69) o-Xylene	11.95	106	552401	20.640	ug/l	98
70) Styrene	11.96	104	860086	20.490	ug/l	99
71) Bromoform	12.13	173	203572	18.883	ug/l	100
73) Isopropylbenzene	12.25	105	1472307	20.018	ug/l	100
74) N-amyl acetate	12.07	43	340367	20.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	320402	20.447	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	386586	28.597	ug/l #	100
77) Bromobenzene	12.53	156	390653	20.072	ug/l	98
78) n-propylbenzene	12.59	91	1599117	20.038	ug/l	100
79) 2-Chlorotoluene	12.67	91	957112	19.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1206058	19.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66316	16.769	ug/l	90
82) 4-Chlorotoluene	12.77	91	954452	19.920	ug/l	99
83) tert-Butylbenzene	12.99	119	1122290	19.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1221534	20.353	ug/l	99
85) sec-Butylbenzene	13.17	105	1461283	20.010	ug/l	100
86) p-Isopropyltoluene	13.29	119	1281881	20.009	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	669993	20.430	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	650615	20.195	ug/l	99
89) n-Butylbenzene	13.62	91	1009176	20.732	ug/l	99
90) Hexachloroethane	13.88	117	195882	18.465	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	661411	20.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49812	20.543	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

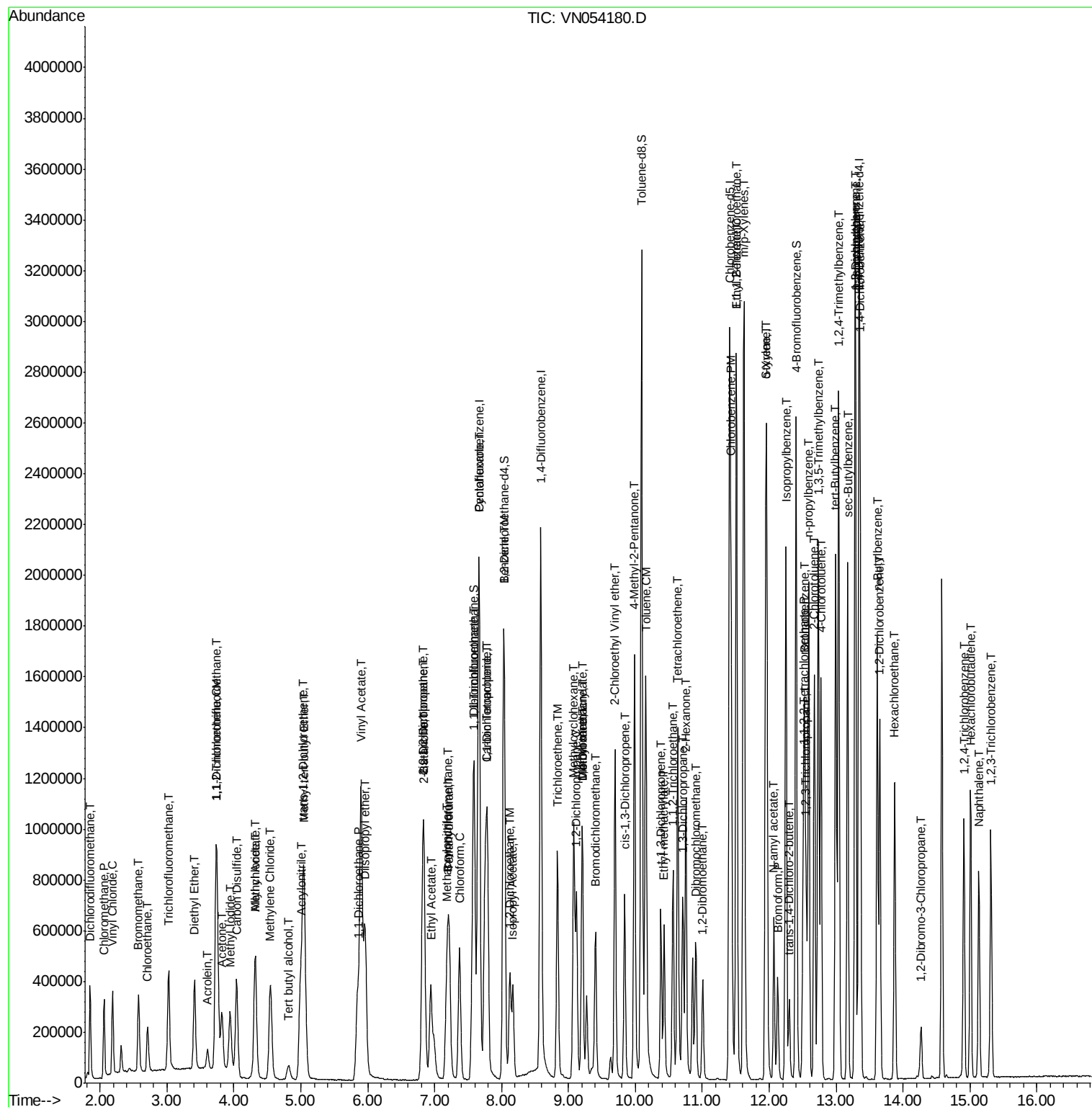
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	361582	20.258	ug/l	99
94) Hexachlorobutadiene	15.01	225	245916	20.138	ug/l	98
95) Naphthalene	15.13	128	742548	20.608	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	369626	21.699	ug/l	98

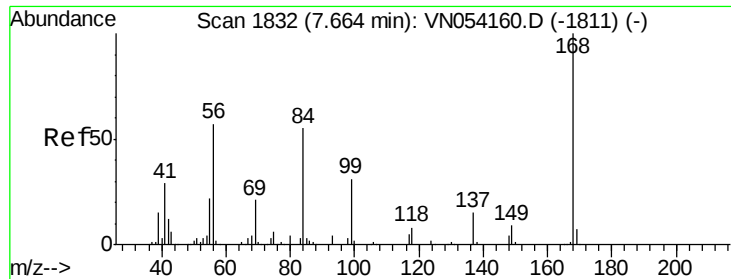
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

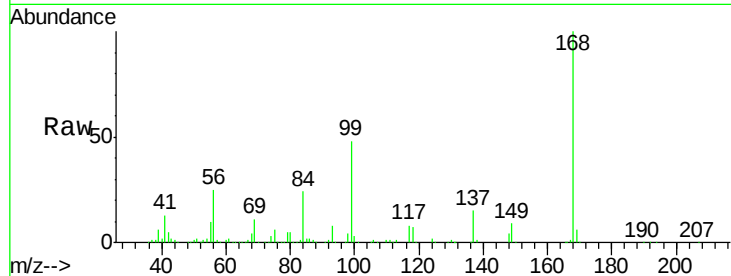
VN0312WBSD02

Tot Ion:168 Resp: 1406744

Ion Ratio Lower Upper

168 100

99 46.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

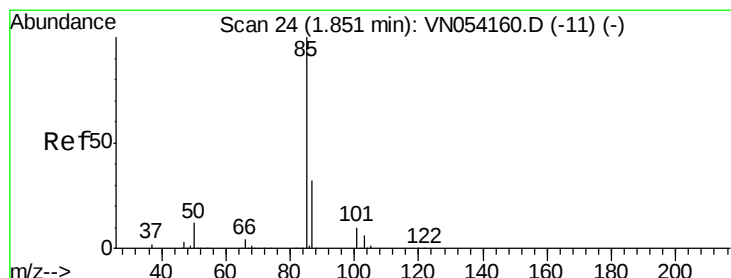
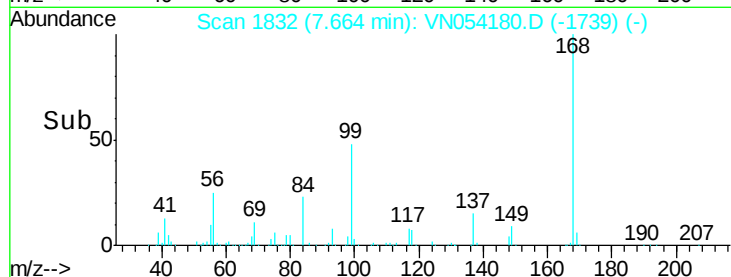
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.224 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054180.D

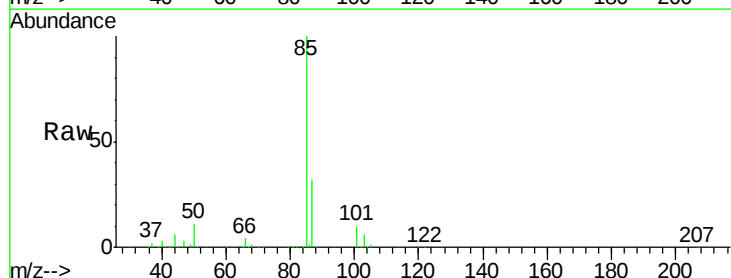
Acq: 12 Mar 2019 23:31

Tgt Ion: 85 Resp: 282968

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

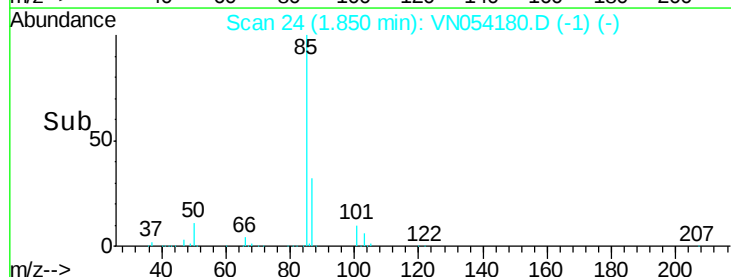
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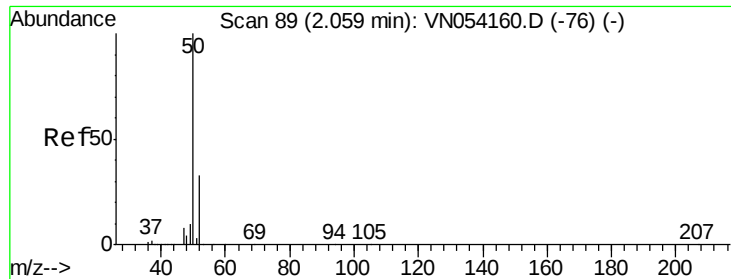
100000

50000

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Time-->





#3

Chloromethane

Concen: 21.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

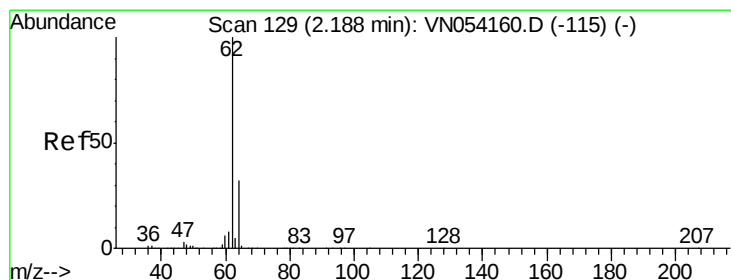
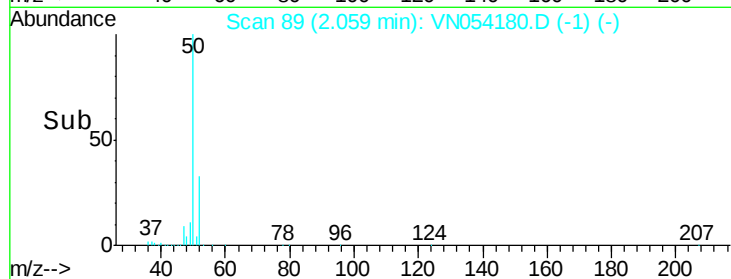
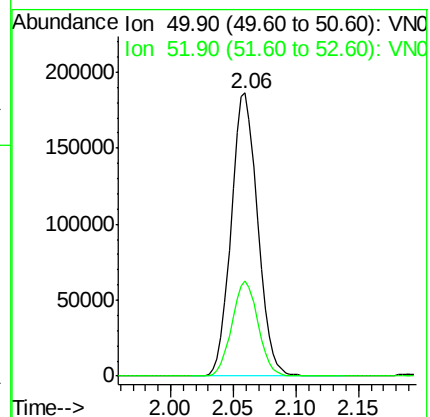
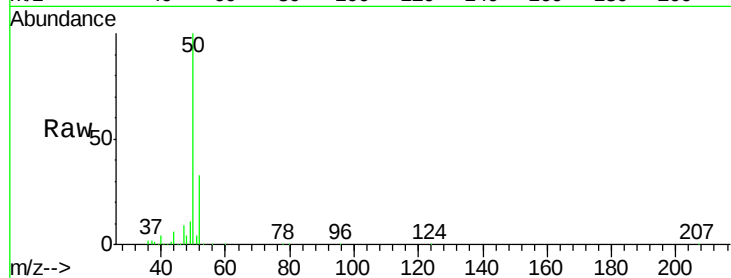
VN0312WBSD02

Tot Ion: 50 Resp: 273162

Ion Ratio Lower Upper

50 100

52 33.5 26.4 39.6



#4

Vinyl Chloride

Concen: 20.723 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054180.D

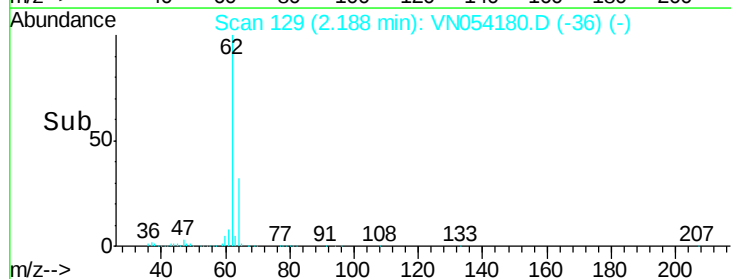
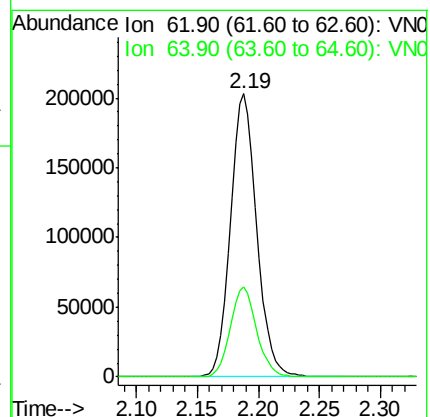
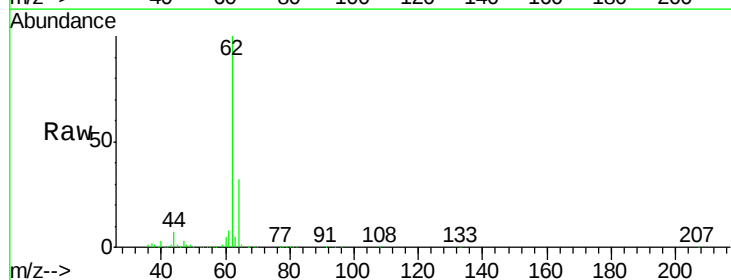
Acq: 12 Mar 2019 23:31

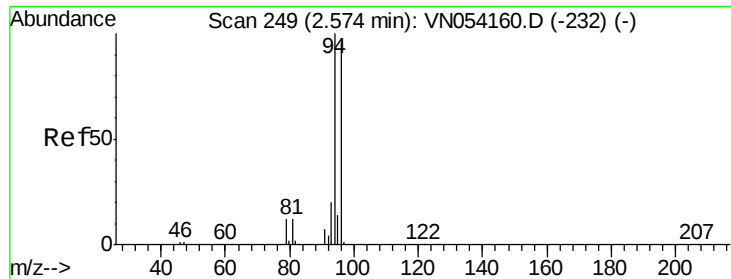
Tgt Ion: 62 Resp: 306744

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 20.311 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

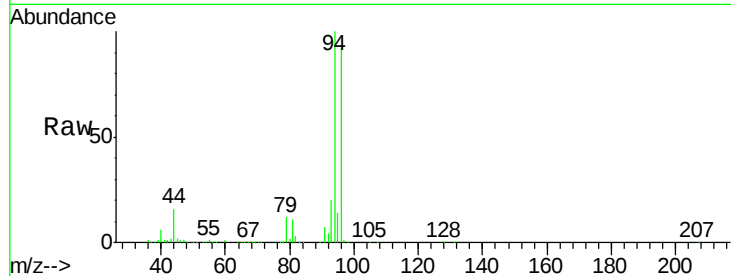
VN0312WBSD02

Tot Ion: 94 Resp: 208228

Ion Ratio Lower Upper

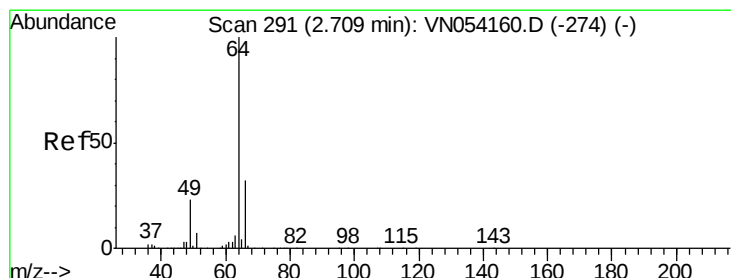
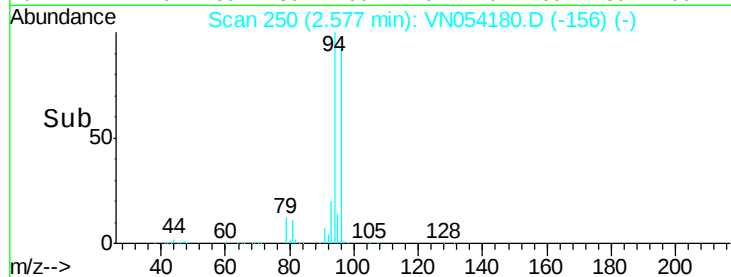
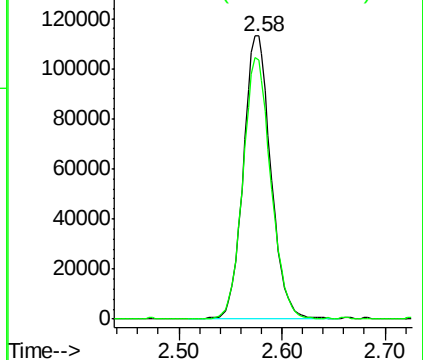
94 100

96 91.8 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: 19.838 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054180.D

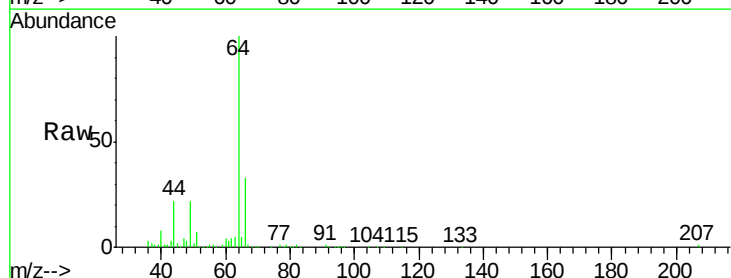
Acq: 12 Mar 2019 23:31

Tgt Ion: 64 Resp: 177666

Ion Ratio Lower Upper

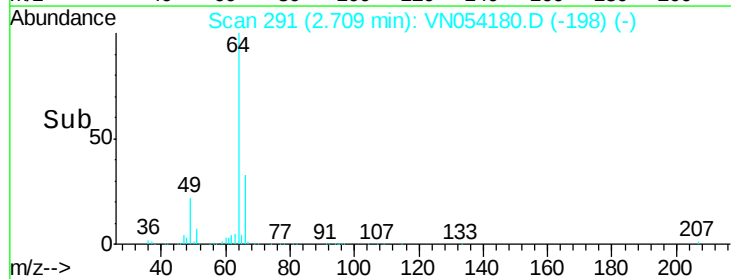
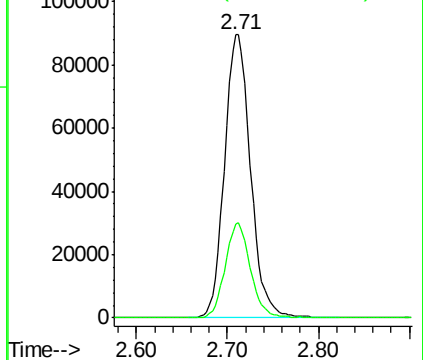
64 100

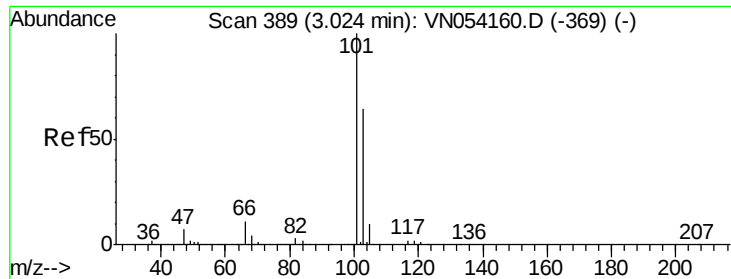
66 33.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



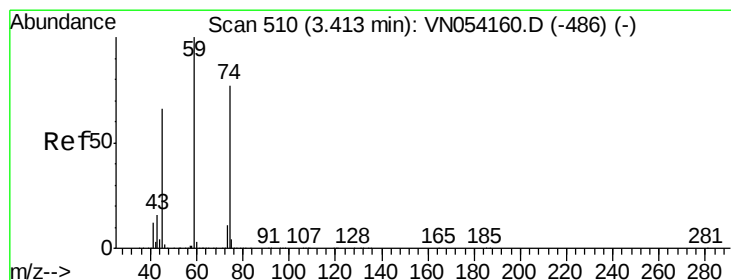
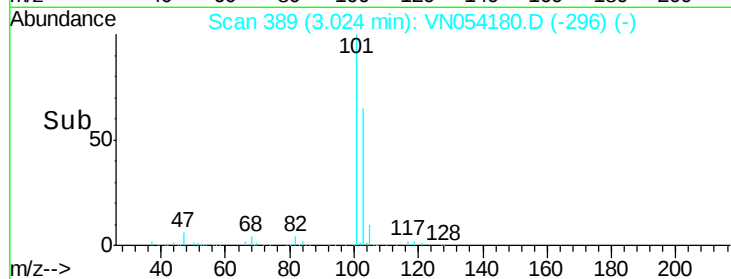
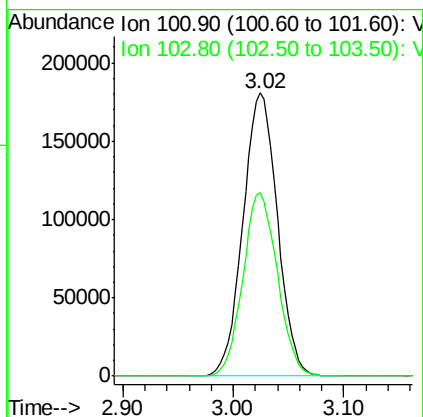
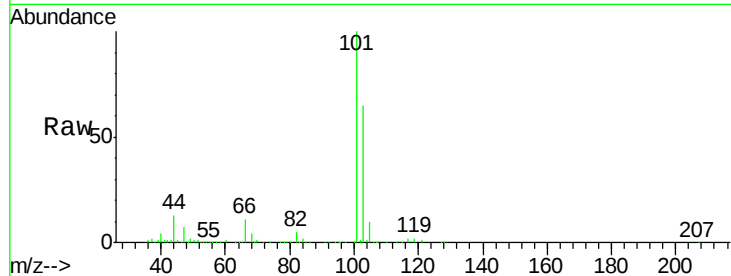


#7

Trichlorofluoromethane
 Concen: 19.904 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
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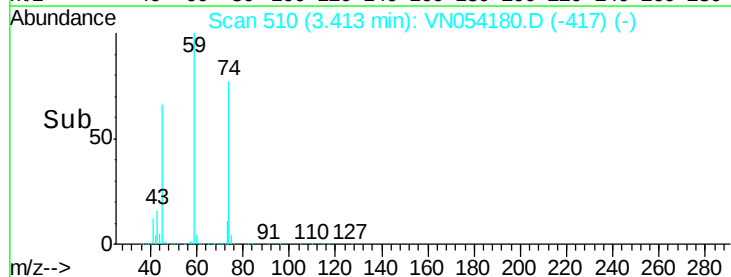
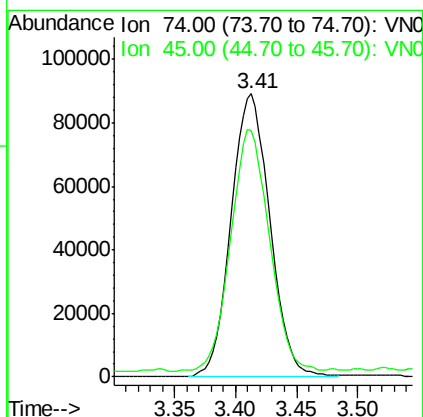
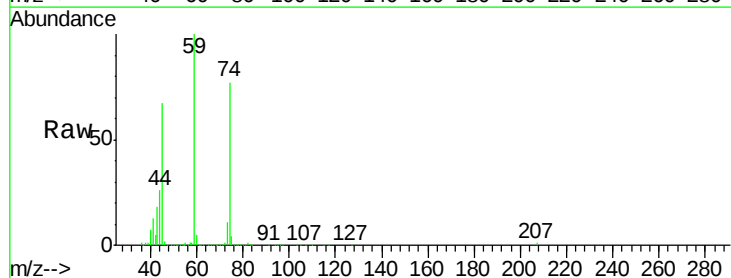
Tot Ion:101 Resp: 391708
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2

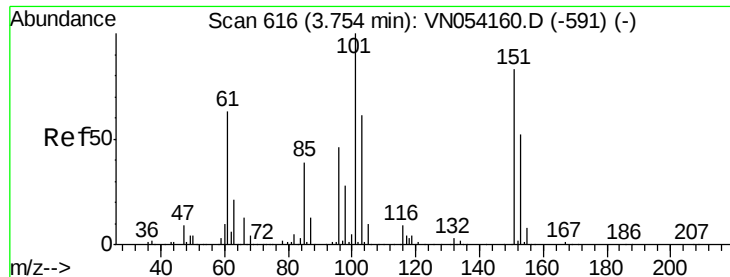


#8

Diethyl Ether
 Concen: 22.018 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion: 74 Resp: 197461
 Ion Ratio Lower Upper
 74 100
 45 85.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.989 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

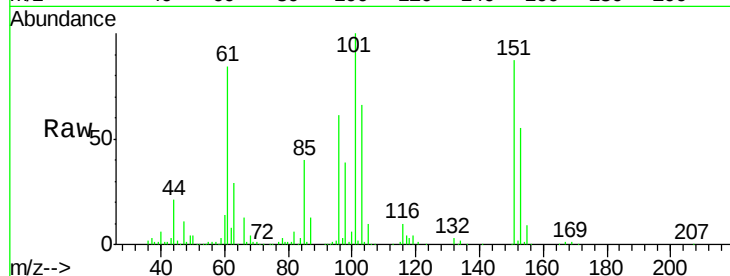
Tot Ion:101 Resp: 309542

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

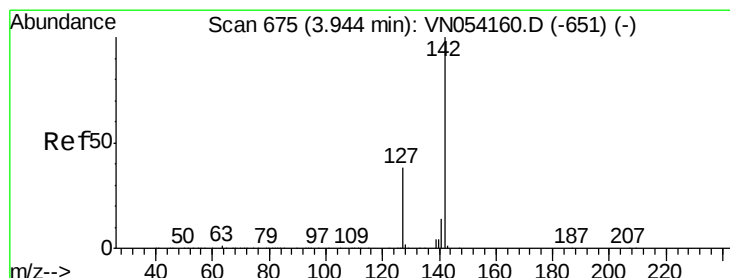
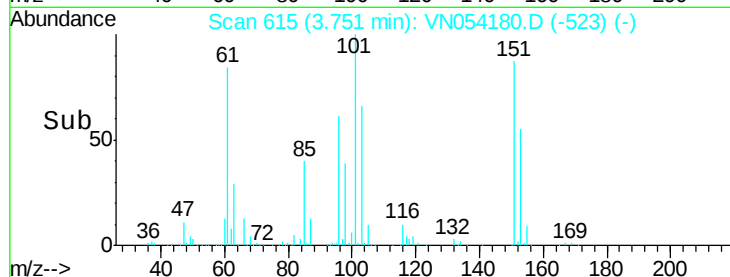
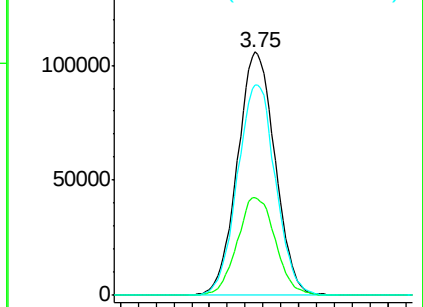
151 87.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.270 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

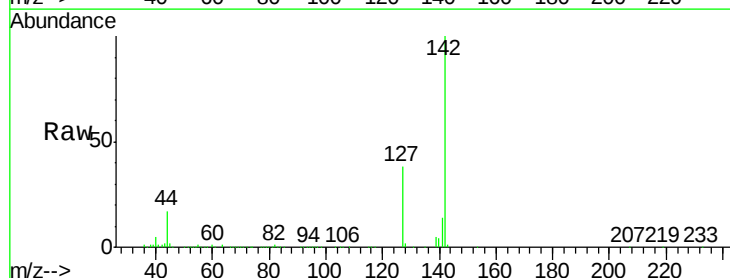
Tgt Ion:142 Resp: 362118

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

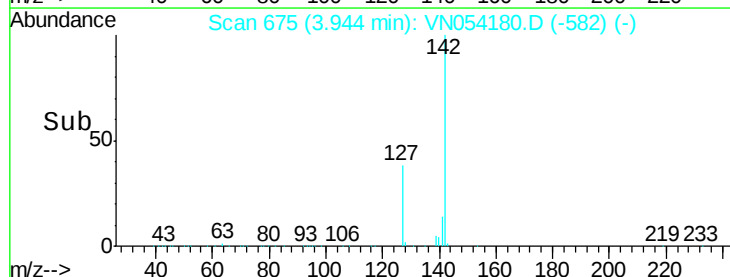
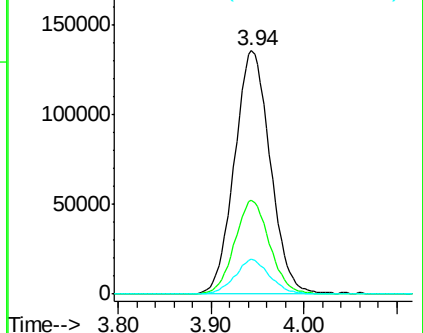
141 13.9 11.2 16.8

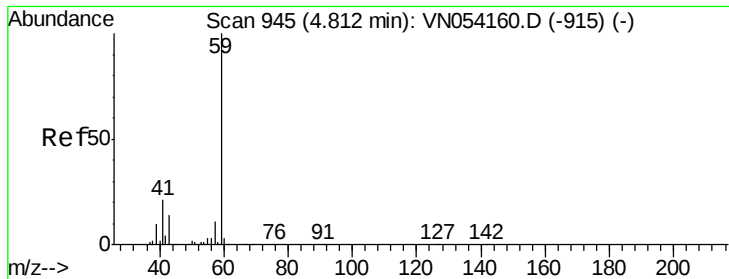


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



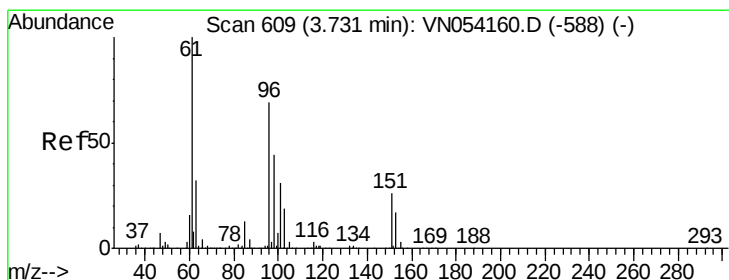
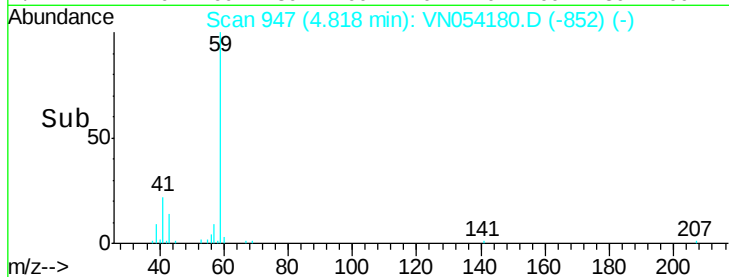
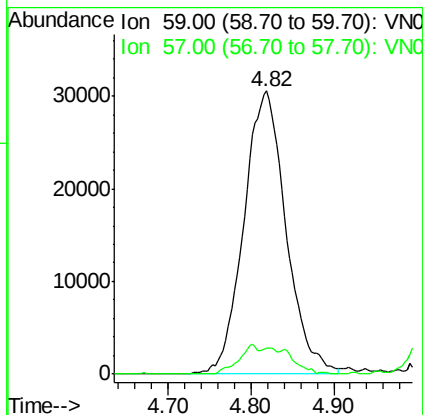
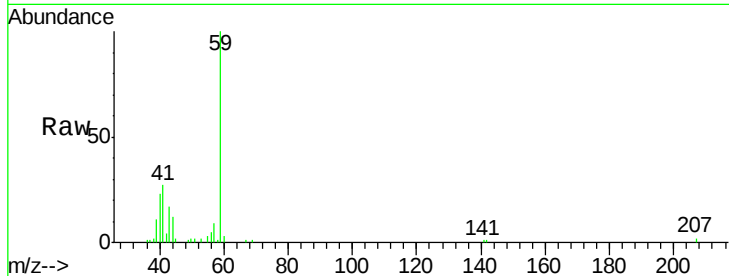


#11

Tert butyl alcohol
 Concen: 105.406 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

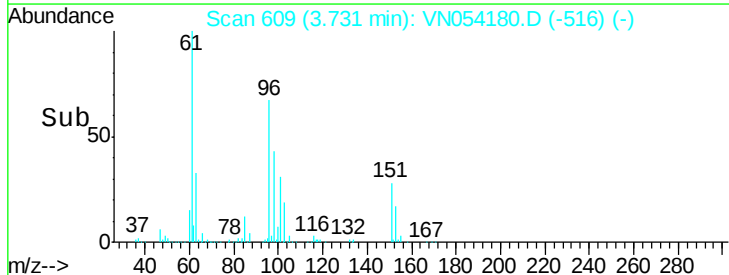
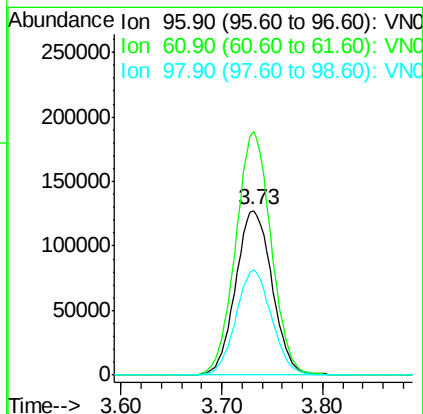
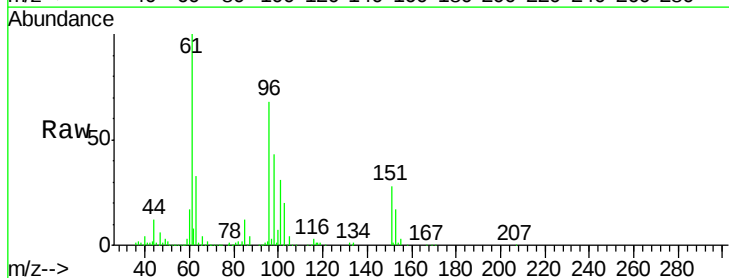
Tot Ion: 59 Resp: 107955
 Ion Ratio Lower Upper
 59 100
 57 5.2 9.0 13.6#

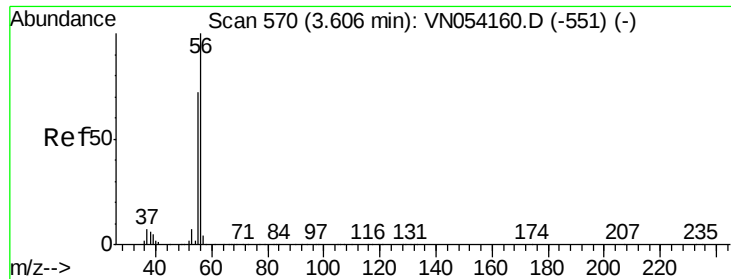


#12

1,1-Dichloroethene
 Concen: 21.636 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion: 96 Resp: 316196
 Ion Ratio Lower Upper
 96 100
 61 148.4 116.5 174.7
 98 64.0 51.0 76.4





#13

Acrolein

Concen: 92.384 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

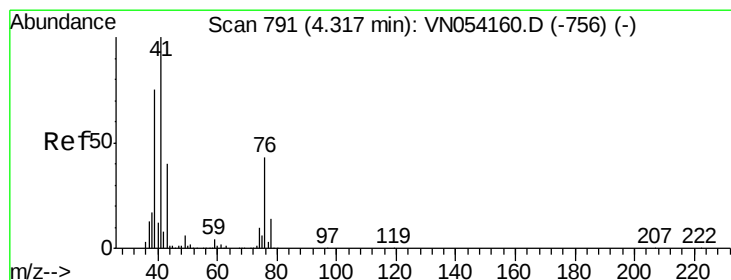
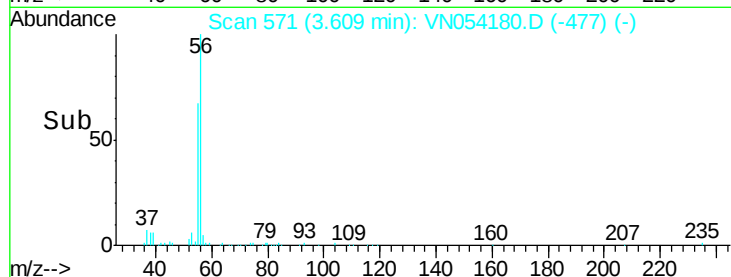
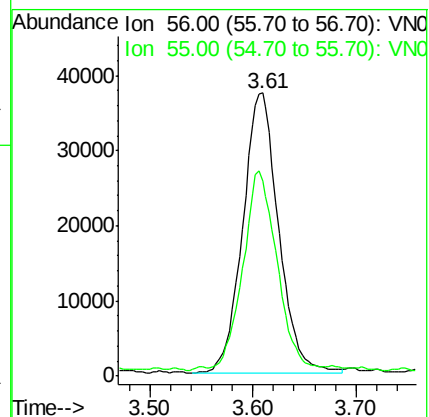
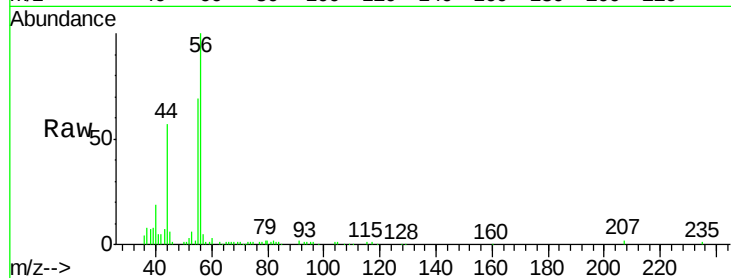
VN0312WBSD02

Tot Ion: 56 Resp: 89659

Ion Ratio Lower Upper

56 100

55 65.0 56.7 85.1



#14

Allyl chloride

Concen: 20.833 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

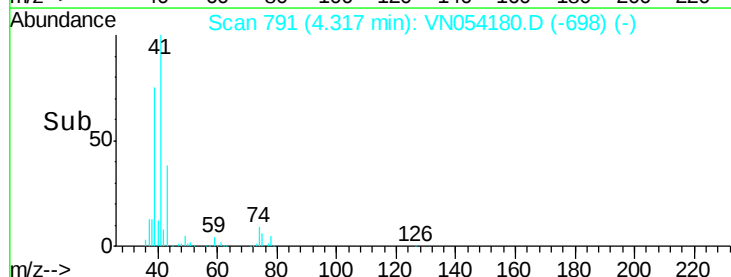
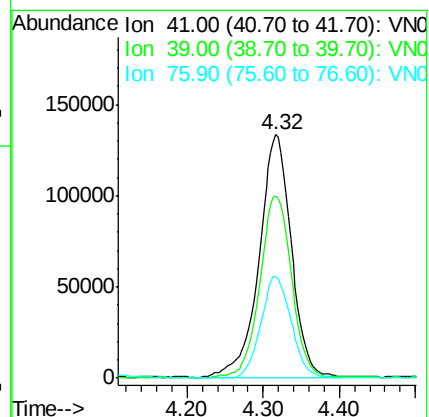
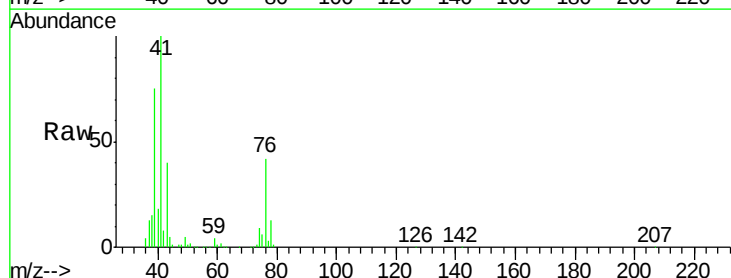
Tgt Ion: 41 Resp: 390637

Ion Ratio Lower Upper

41 100

39 73.5 58.2 87.4

76 39.7 31.7 47.5





#15

Acrylonitrile

Concen: 110.796 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

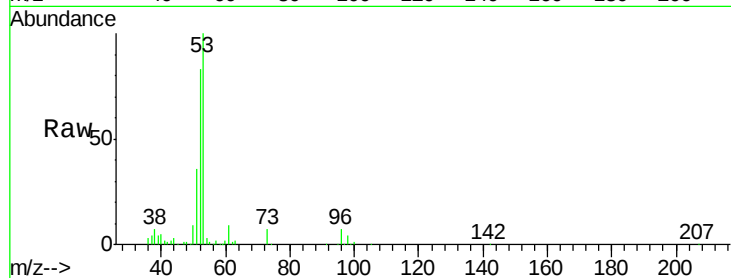
Tot Ion: 53 Resp: 466121

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

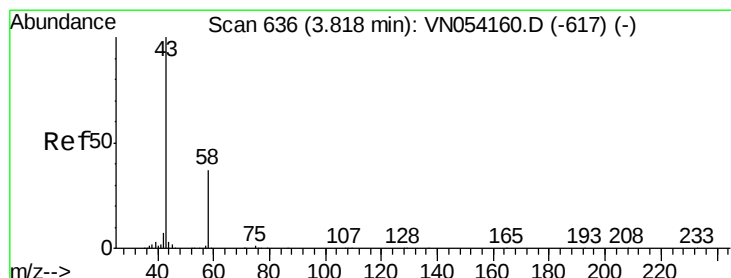
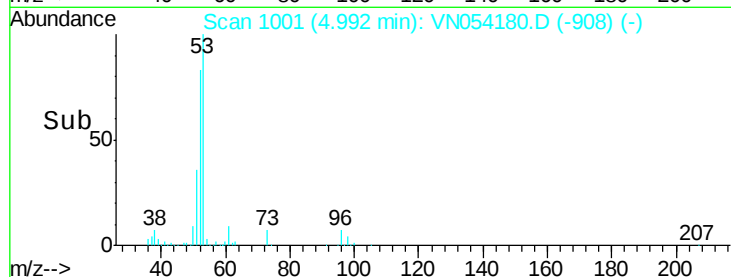
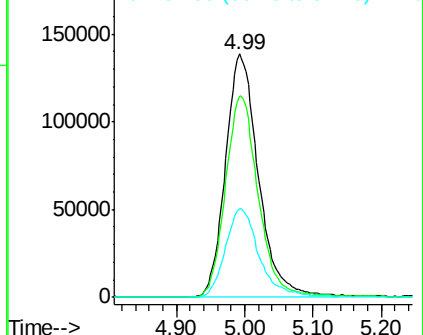
51 37.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.054 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054180.D

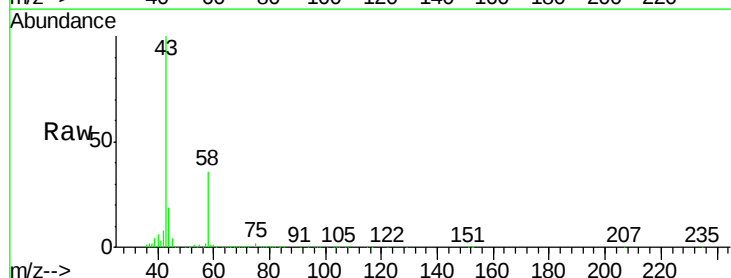
Acq: 12 Mar 2019 23:31

Tgt Ion: 43 Resp: 350992

Ion Ratio Lower Upper

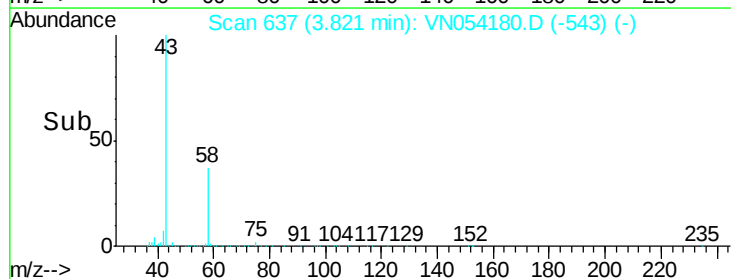
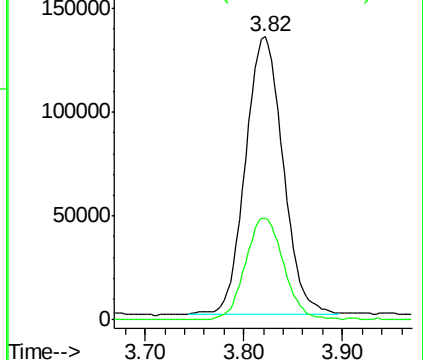
43 100

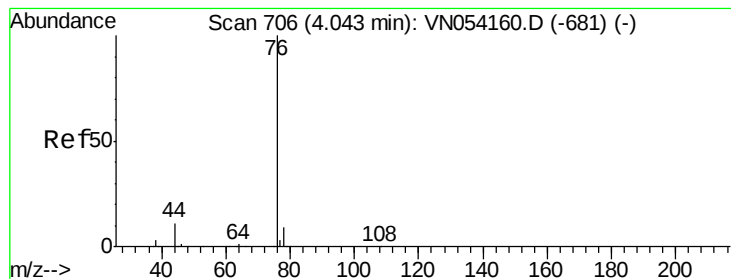
58 36.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.757 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

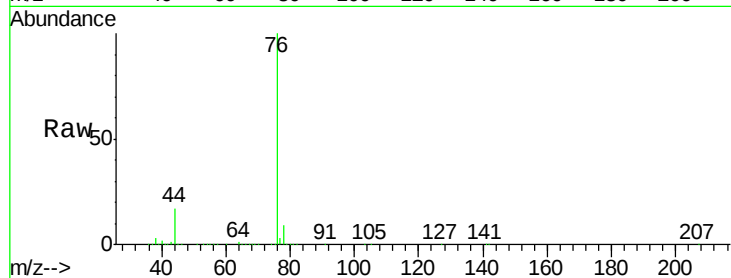
VN0312WBSD02

Tot Ion: 76 Resp: 760466

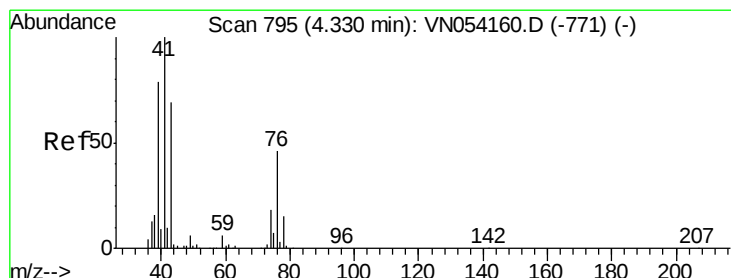
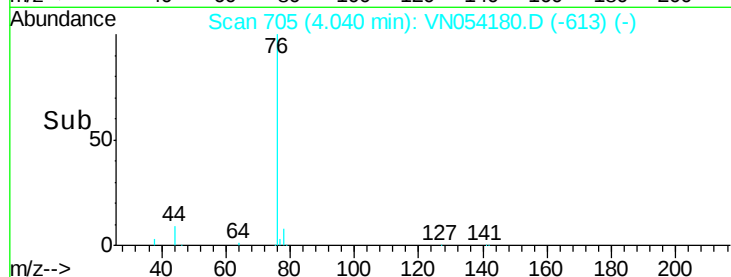
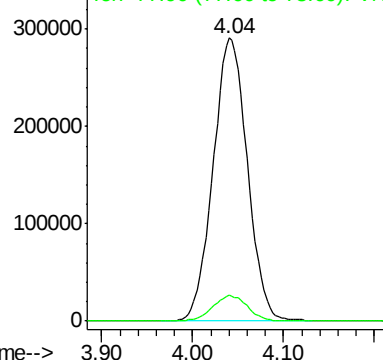
Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.153 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054180.D

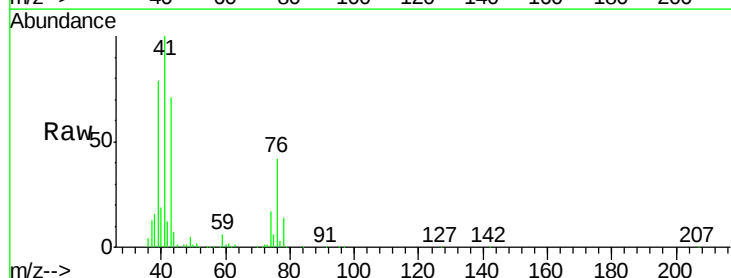
Acq: 12 Mar 2019 23:31

Tgt Ion: 43 Resp: 200368

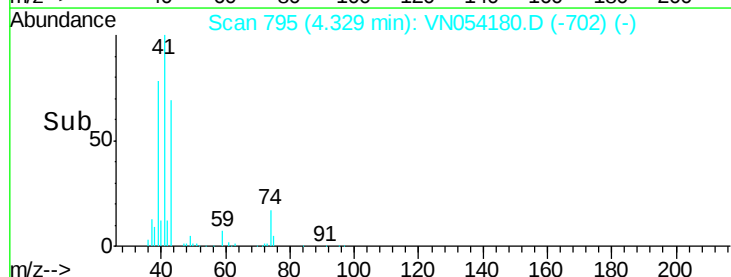
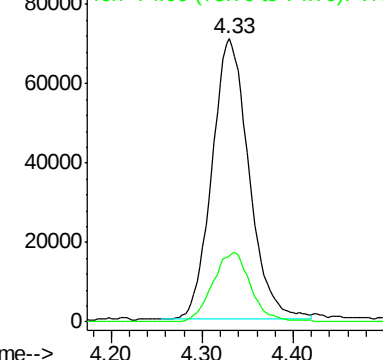
Ion Ratio Lower Upper

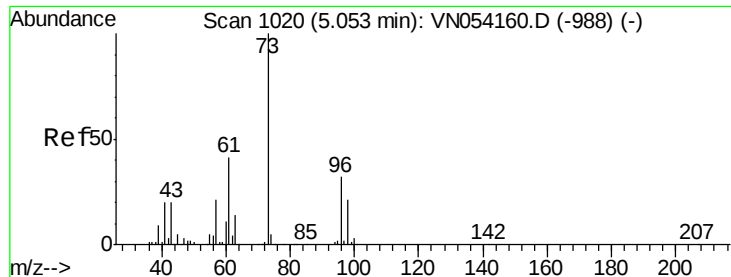
43 100

74 25.3 20.8 31.2



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

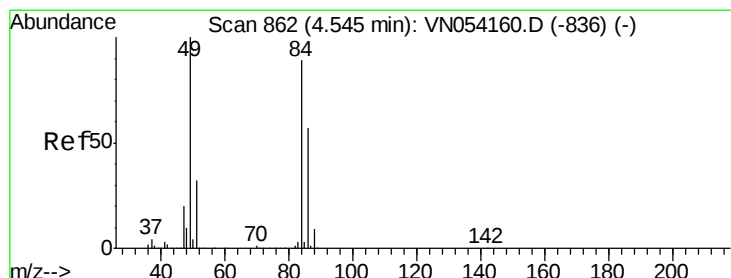
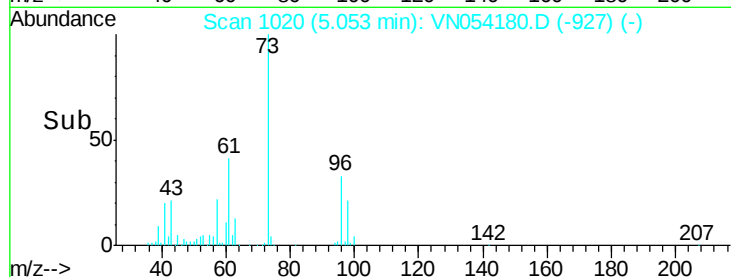
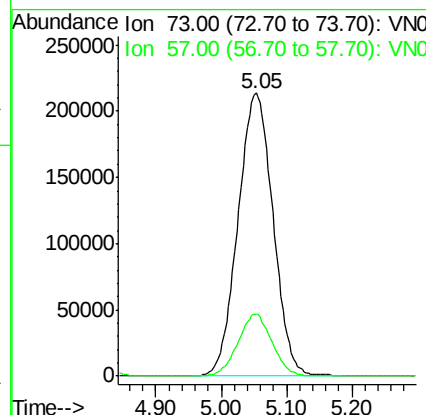
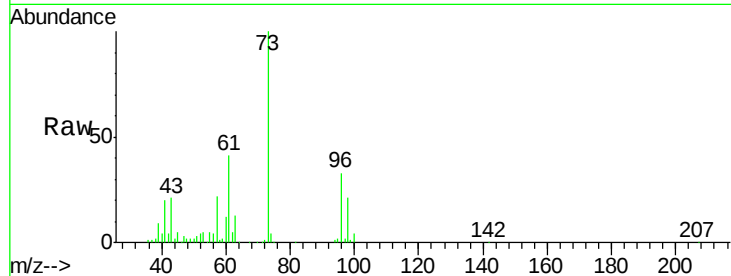




#19
Methvl tert-butvl Ether
Concen: 22.000 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

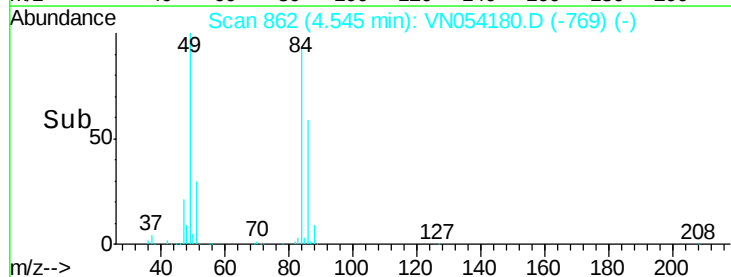
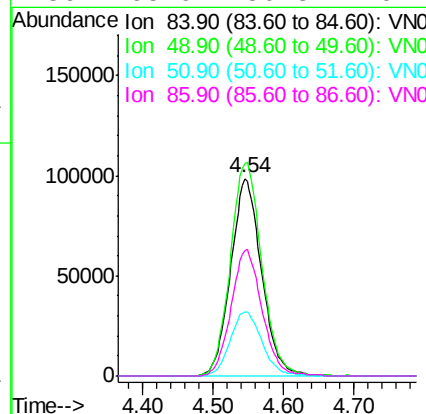
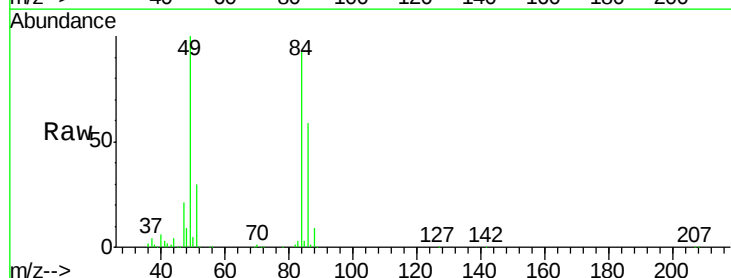
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 73 Resp: 796951
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2



#20
Methylene Chloride
Concen: 21.454 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 84 Resp: 301333
Ion Ratio Lower Upper
84 100
49 107.7 89.7 134.5
51 32.6 28.2 42.4
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.480 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

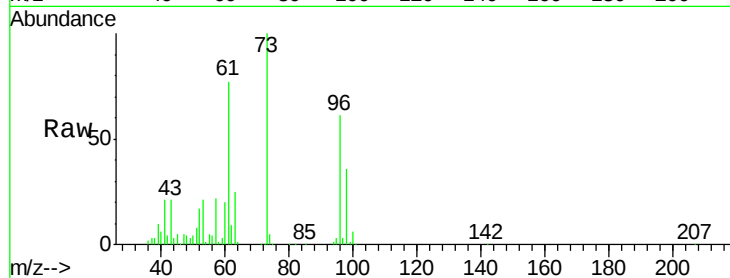
Tot Ion: 96 Resp: 300784

Ion Ratio Lower Upper

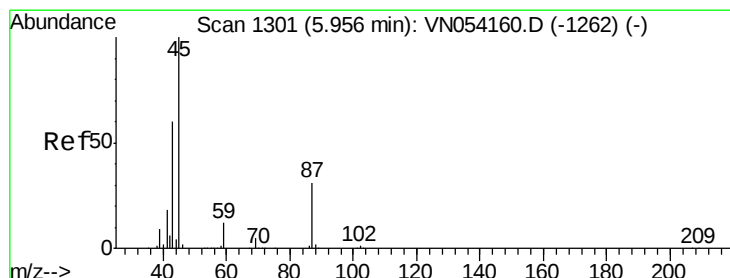
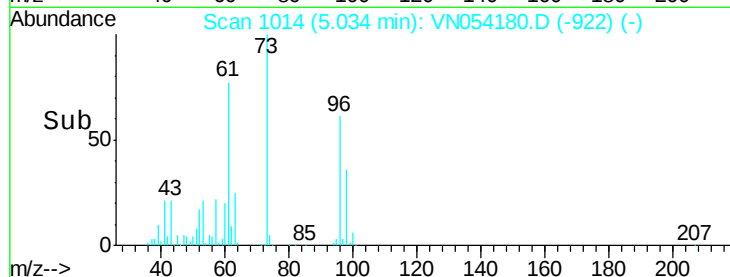
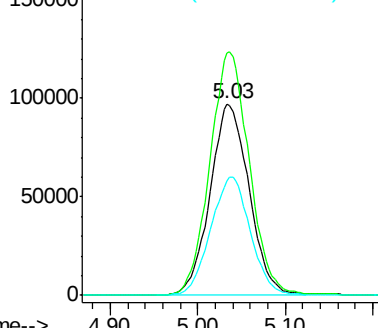
96 100

61 126.8 102.8 154.2

98 59.6 50.0 75.0



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



#22

Diisopropyl ether

Concen: 21.028 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion: 45 Resp: 786942

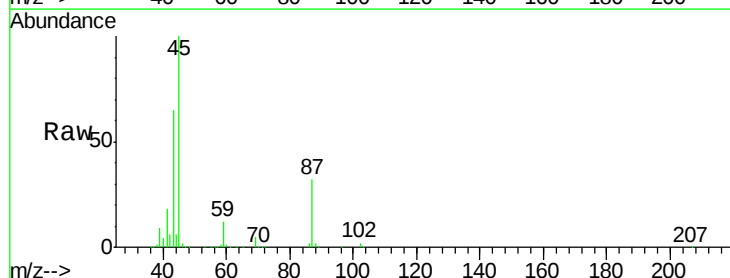
Ion Ratio Lower Upper

45 100

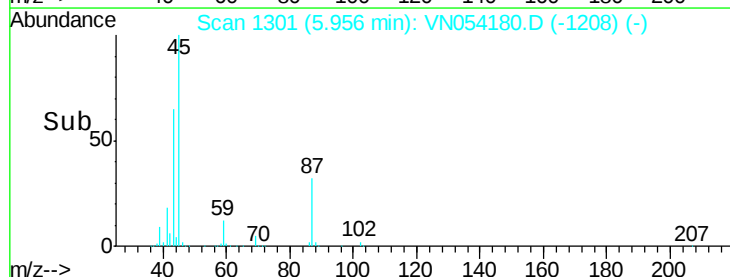
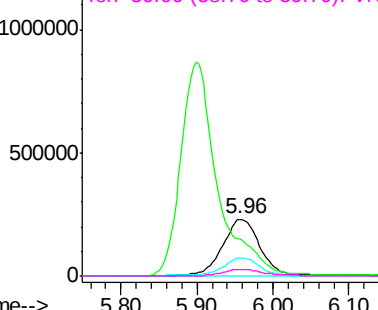
43 61.6 48.2 72.2

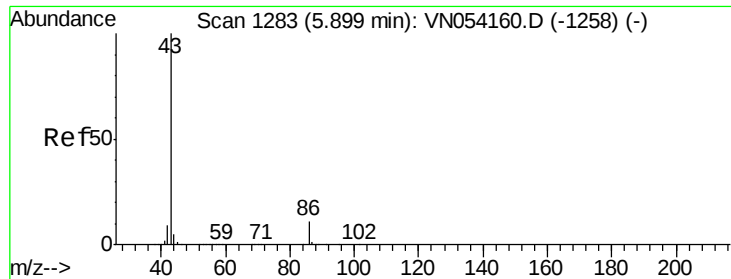
87 31.6 24.9 37.3

59 11.4 9.5 14.3



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





#23

Vinyl Acetate

Concen: 106.892 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

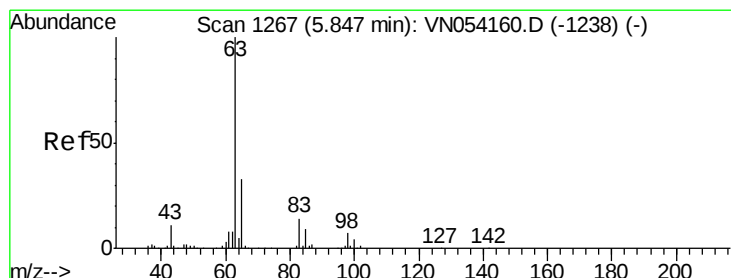
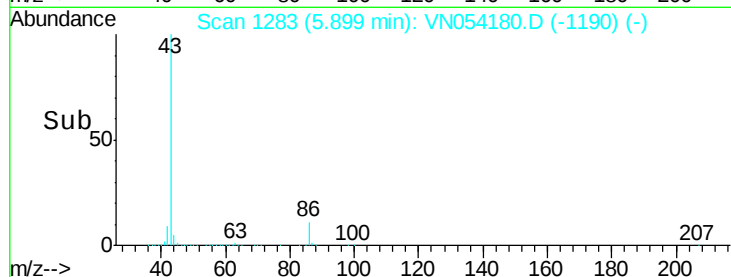
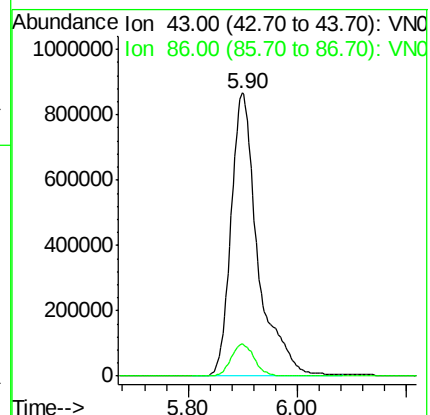
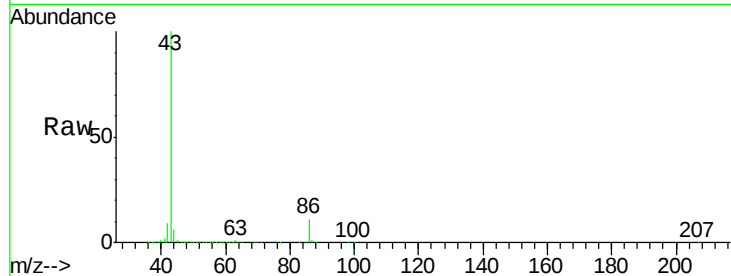
VN0312WBSD02

Tot Ion: 43 Resp: 2949431

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 21.308 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

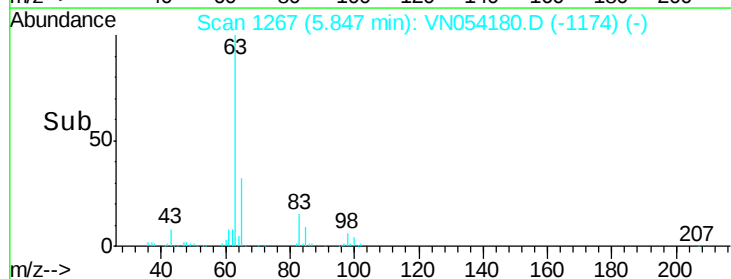
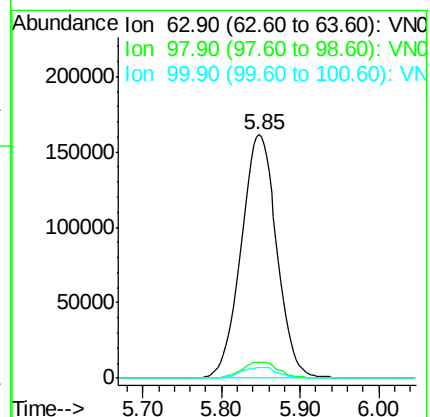
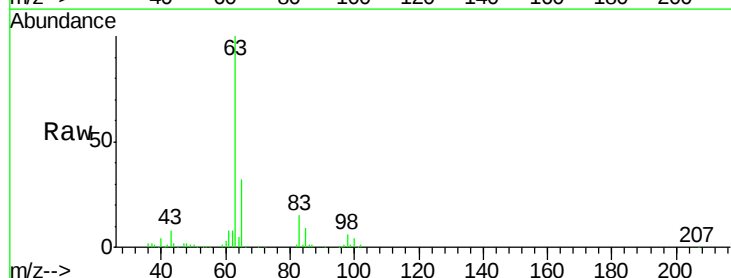
Tgt Ion: 63 Resp: 512016

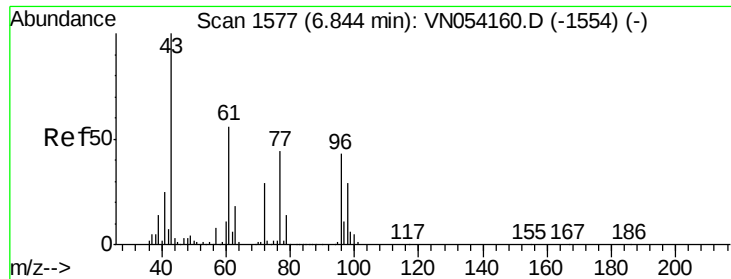
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.4 2.0 6.0

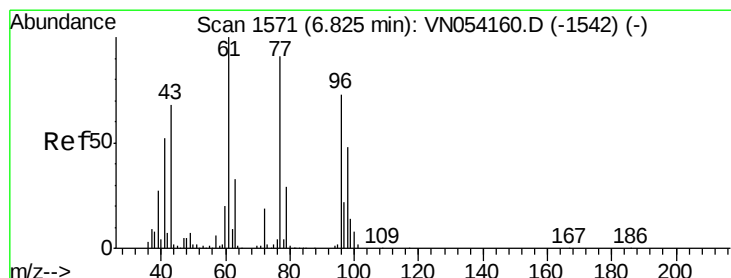
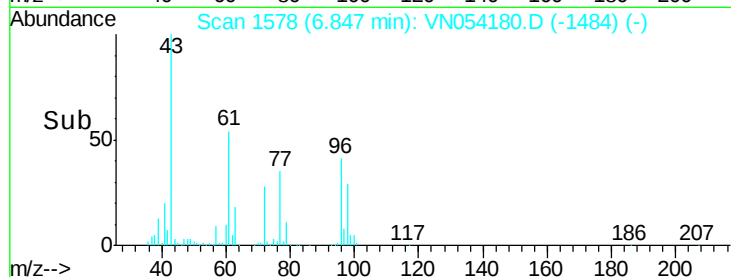
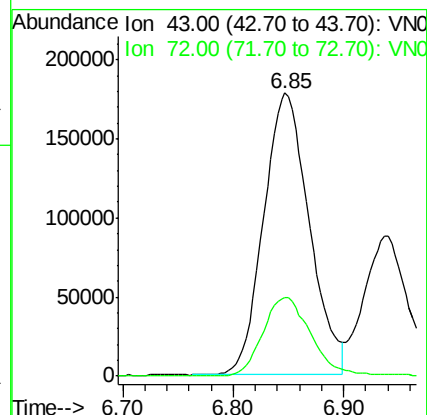
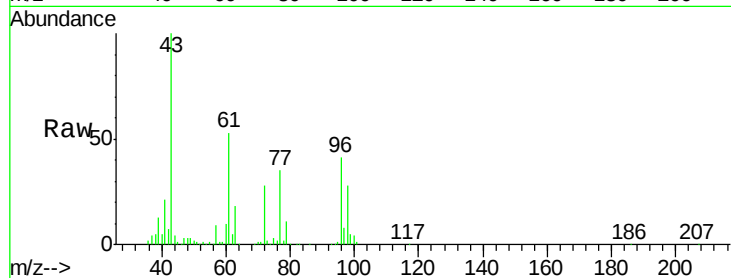




#25
2-Butanone
Concen: 102.319 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

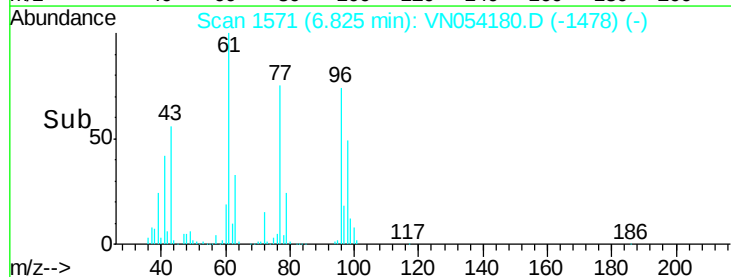
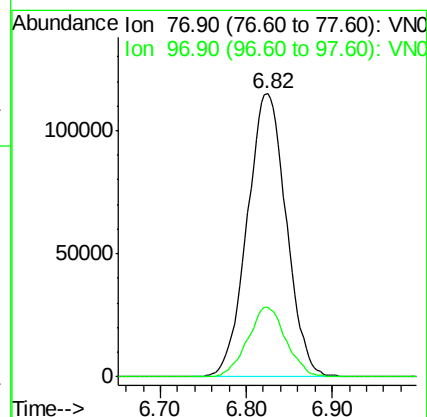
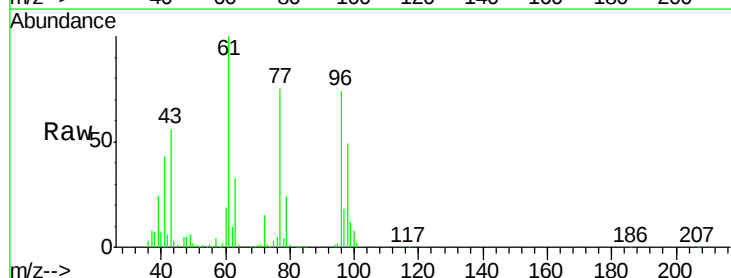
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 43 Resp: 513696
Ion Ratio Lower Upper
43 100
72 28.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 17.211 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 77 Resp: 363689
Ion Ratio Lower Upper
77 100
97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.687 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

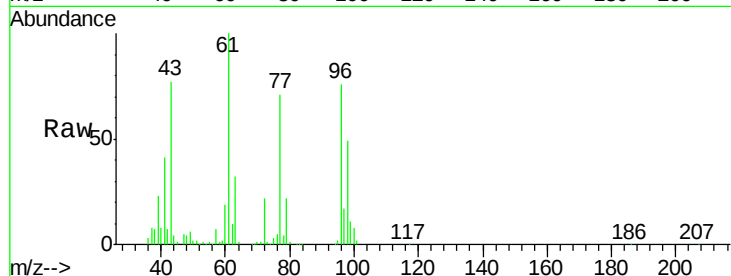
Tot Ion: 96 Resp: 338783

Ion Ratio Lower Upper

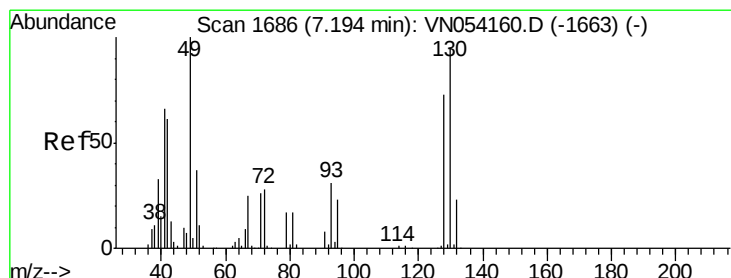
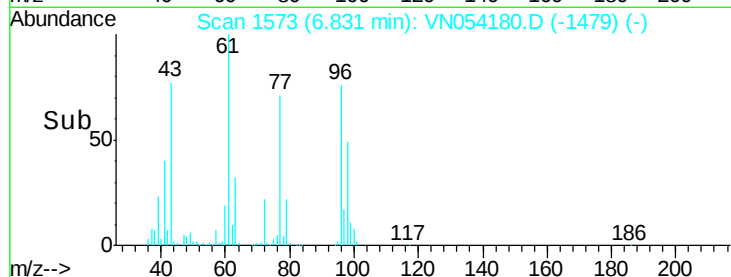
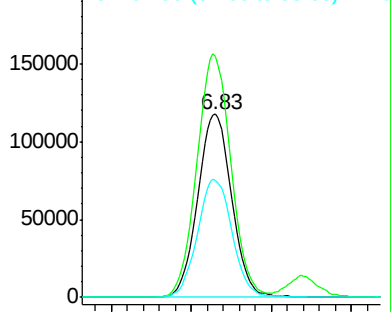
96 100

61 133.1 0.0 273.0

98 65.7 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: 20.464 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

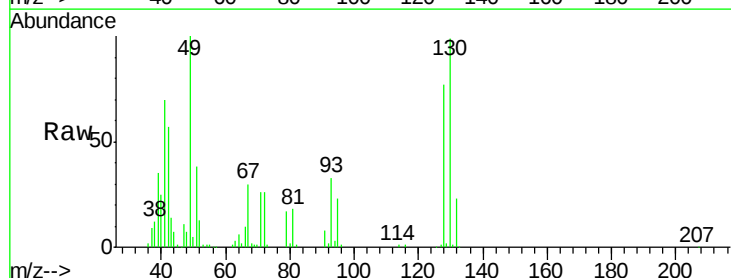
Tgt Ion: 49 Resp: 201026

Ion Ratio Lower Upper

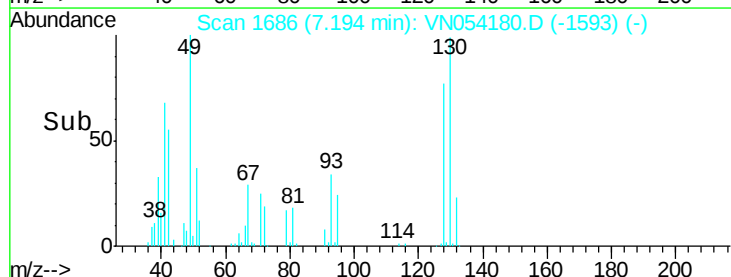
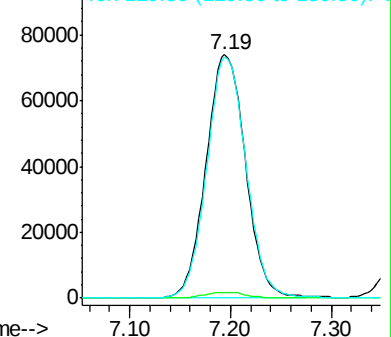
49 100

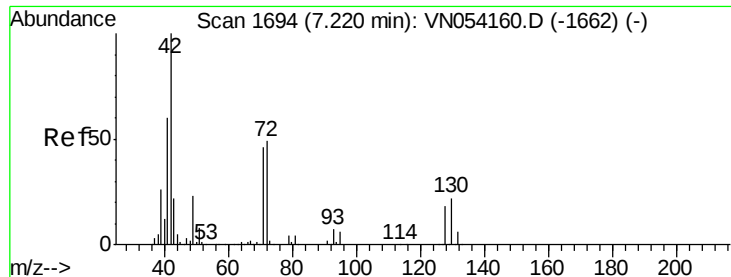
129 1.4 0.0 4.6

130 98.6 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

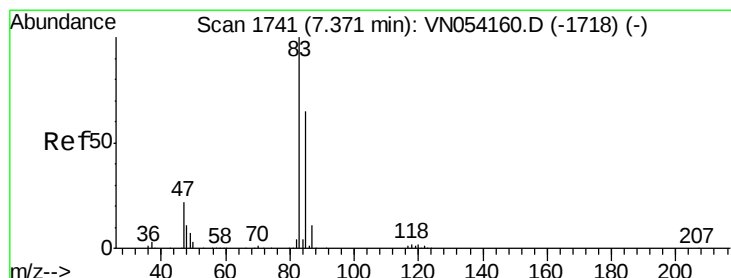
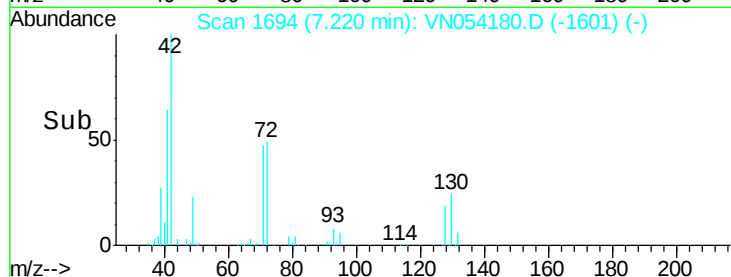
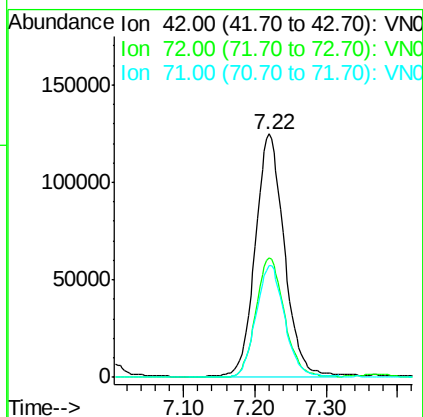
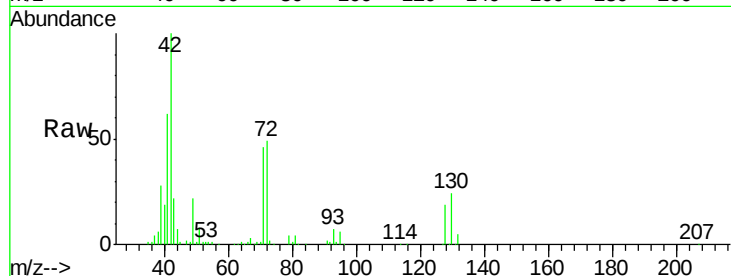




#29
Tetrahydrofuran
Concen: 108.914 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

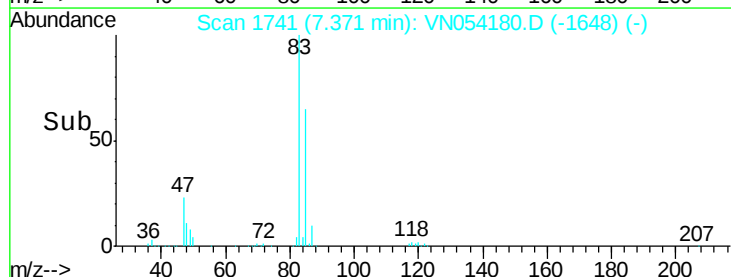
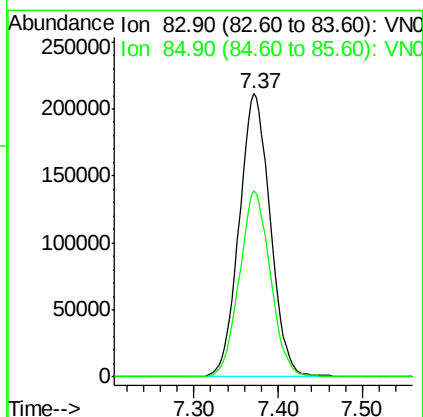
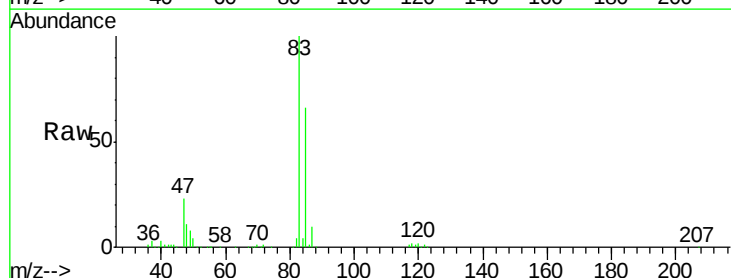
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

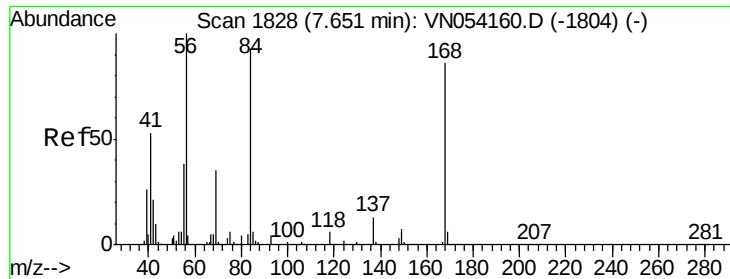
Tot Ion: 42 Resp: 351579
Ion Ratio Lower Upper
42 100
72 47.9 37.8 56.6
71 45.4 36.2 54.2



#30
Chloroform
Concen: 21.653 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 83 Resp: 542927
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.4

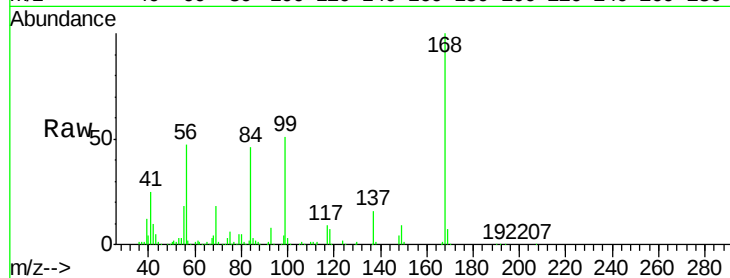




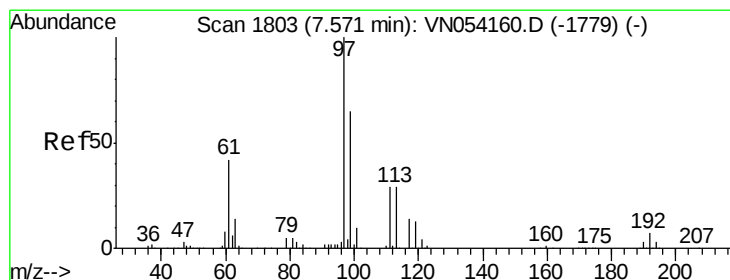
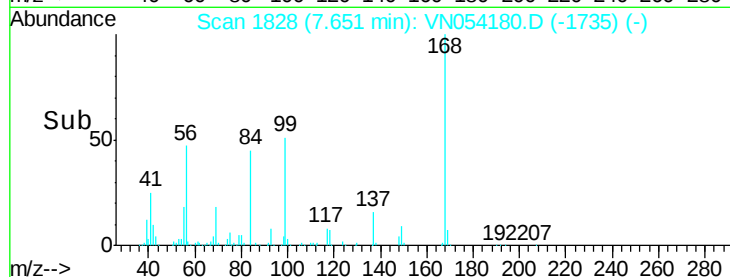
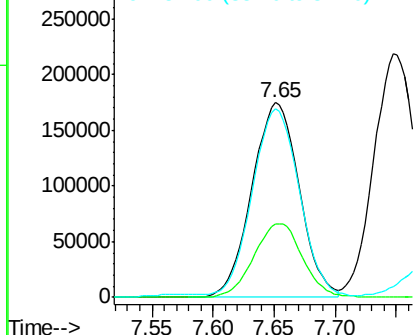
#31
Cyclohexane
Concen: 20.292 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 56 Resp: 472250
Ion Ratio Lower Upper
56 100
69 37.6 27.8 41.6
84 95.6 74.6 111.8

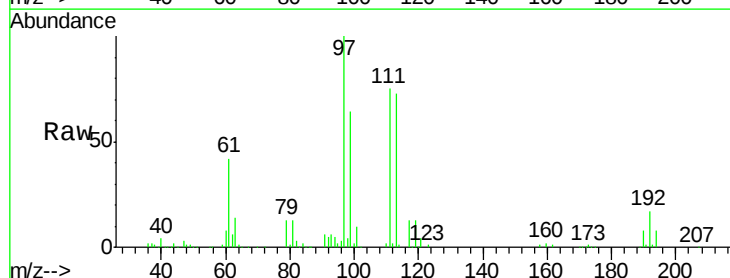


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

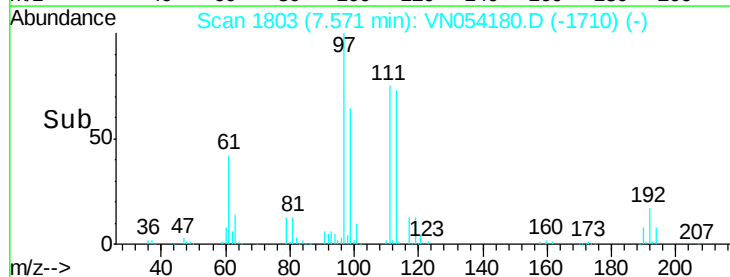
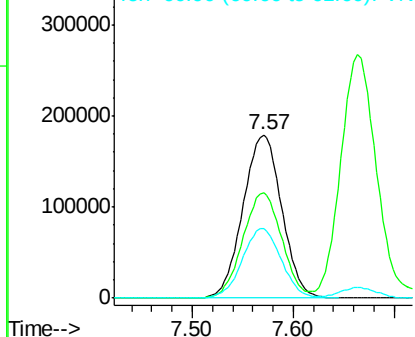


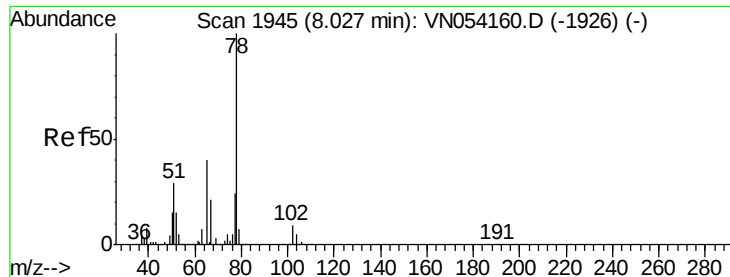
#32
1,1,1-Trichloroethane
Concen: 21.101 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 97 Resp: 477839
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 42.6 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.148 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

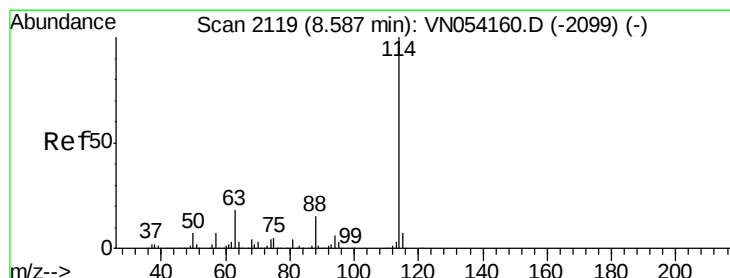
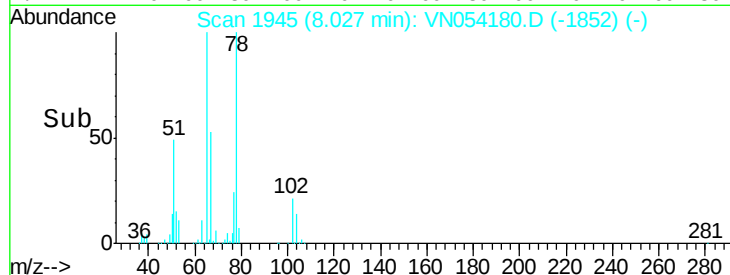
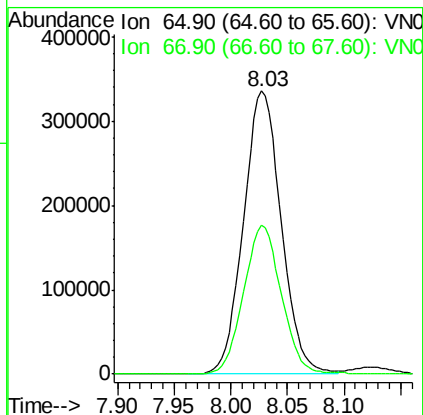
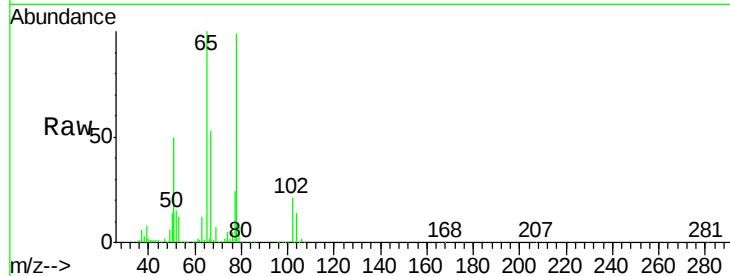
VN0312WBSD02

Tot Ion: 65 Resp: 779072

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

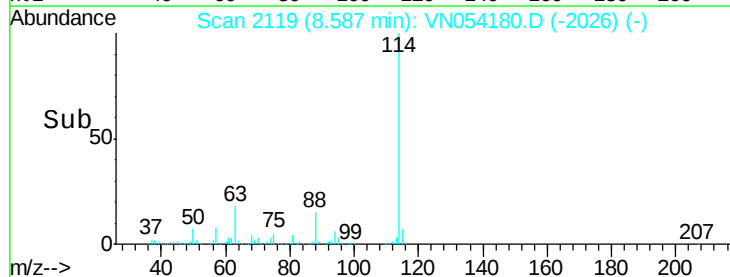
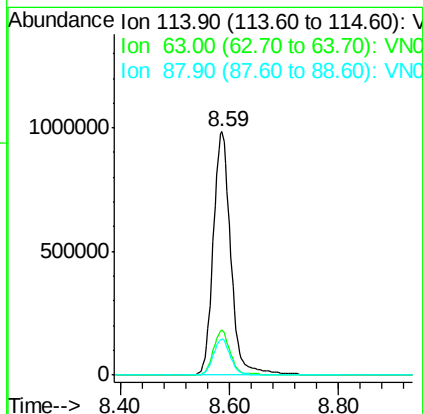
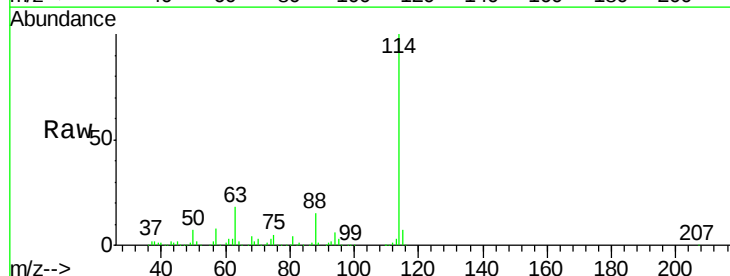
Tgt Ion: 114 Resp: 2192616

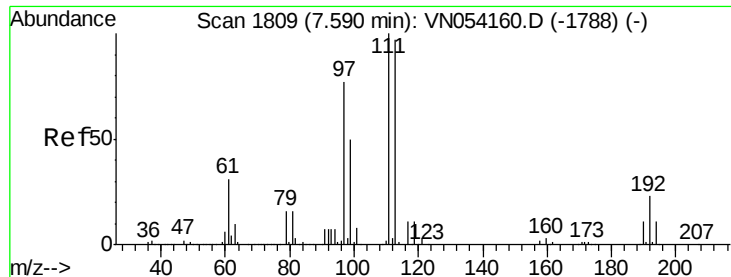
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

88 14.7 0.0 30.2

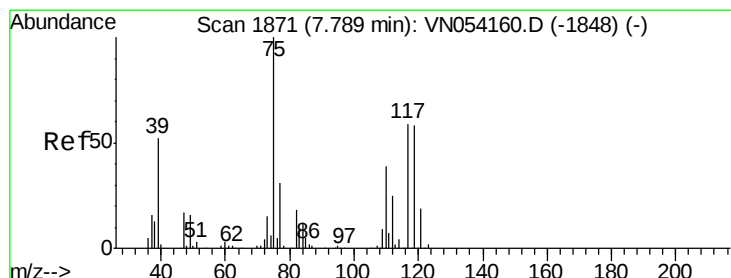
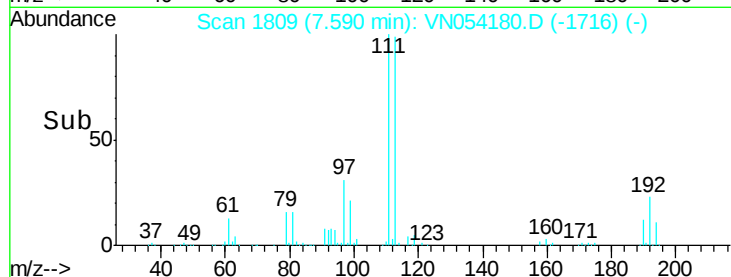
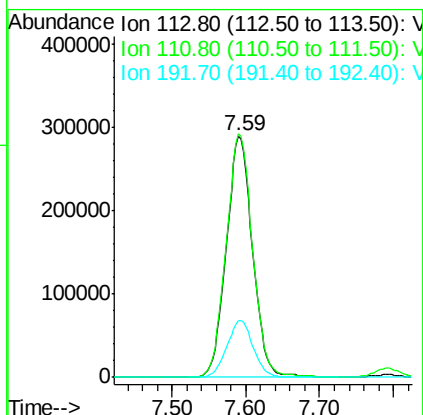
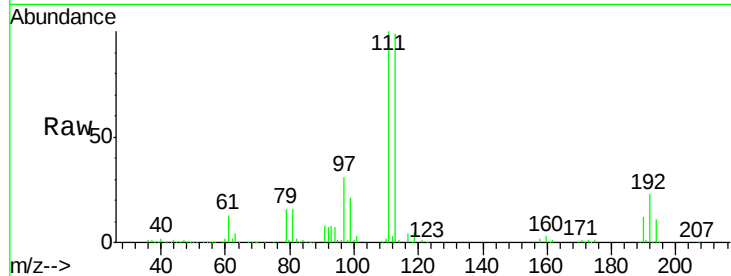




#35
 Dibromofluoromethane
 Concen: 50.464 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

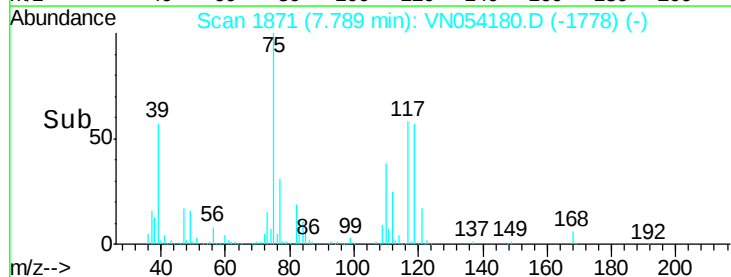
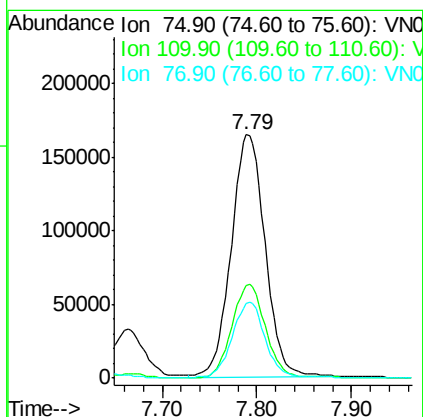
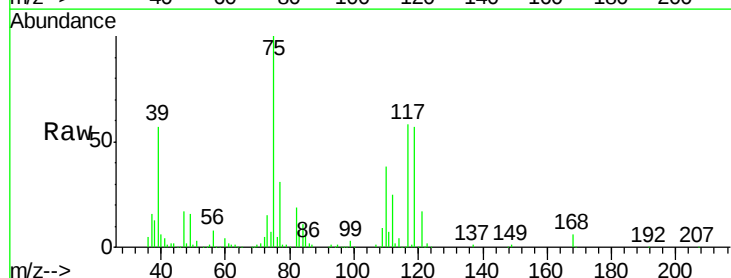
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

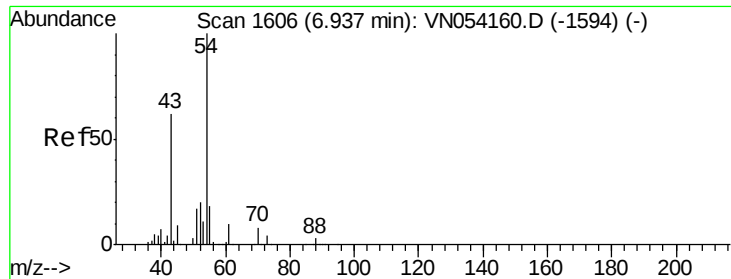
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	23.6	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.229 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.1	57.5
77	30.5	25.0	37.4

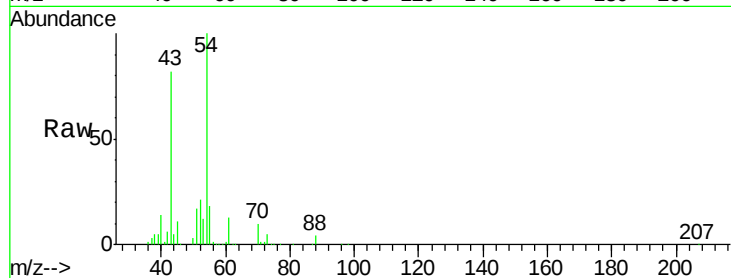




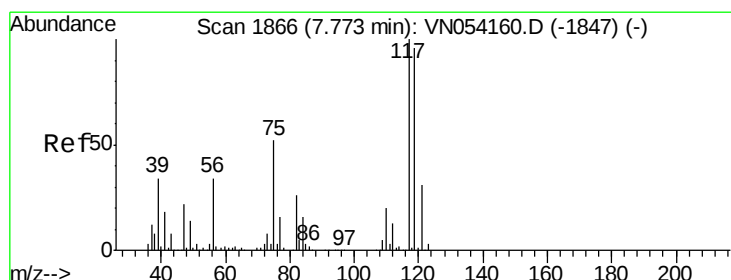
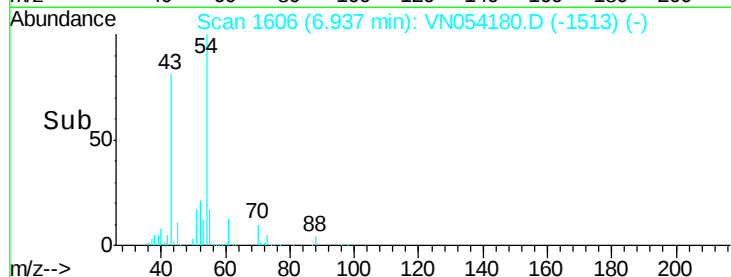
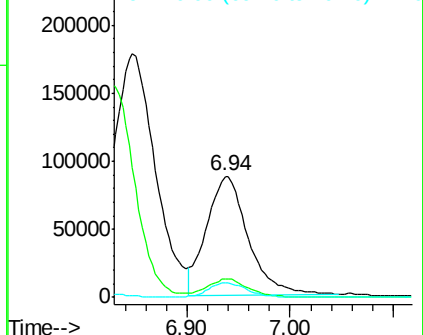
#37
Ethyl Acetate
Concen: 21.016 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 43 Resp: 243829
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 10.8 8.4 12.6

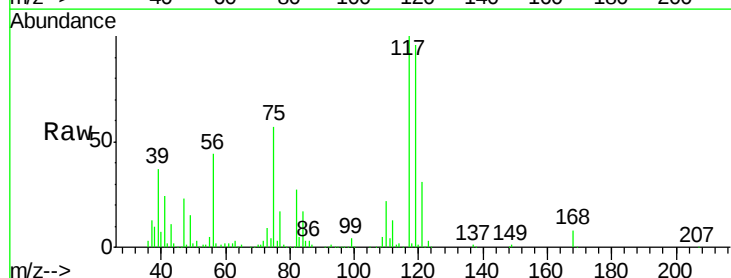


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

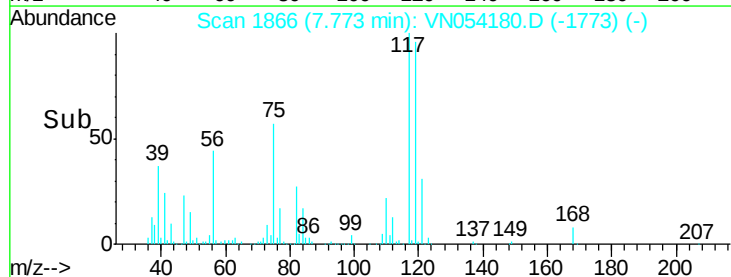
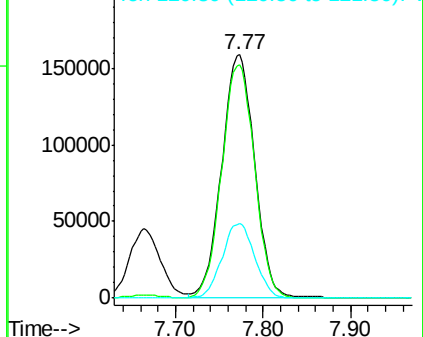


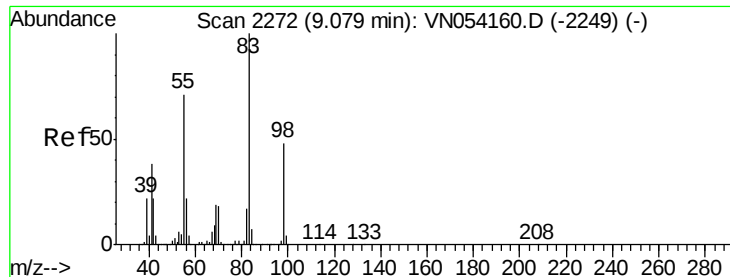
#38
Carbon Tetrachloride
Concen: 19.520 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 117 Resp: 413335
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 30.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

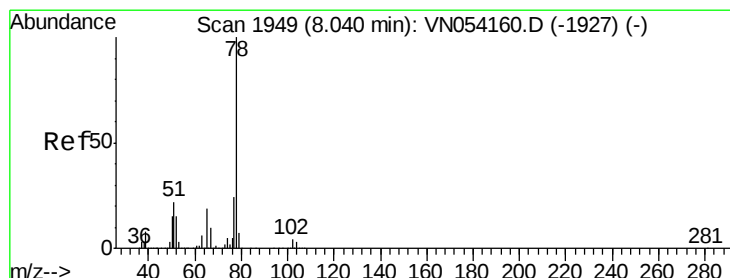
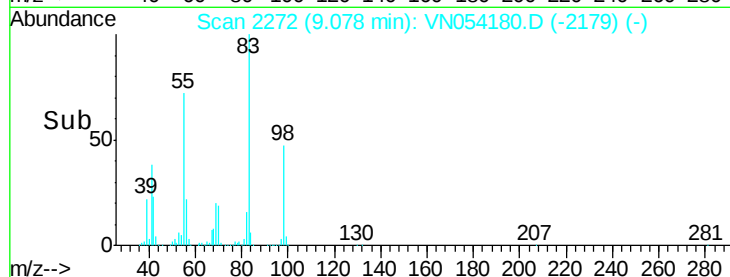
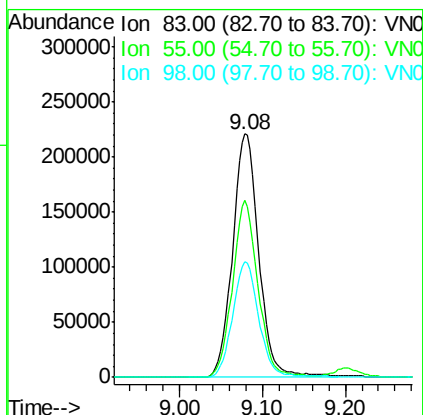
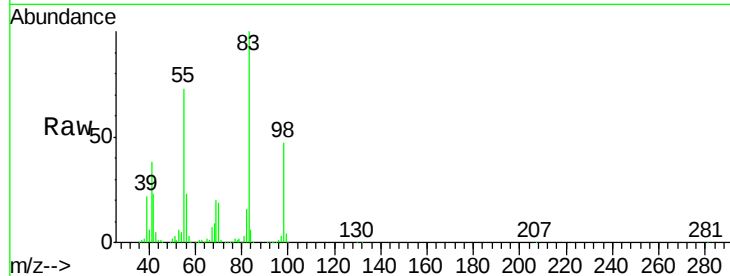




#39
Methvlcvclohexane
Concen: 19.701 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

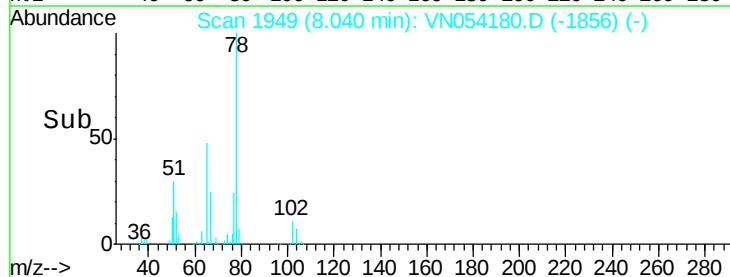
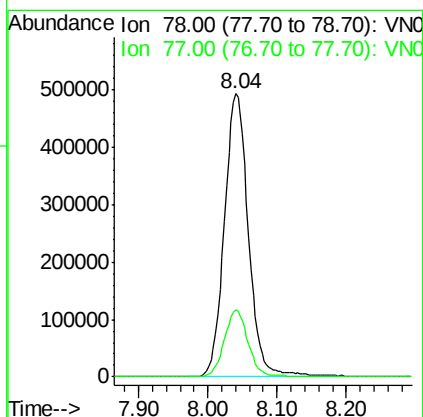
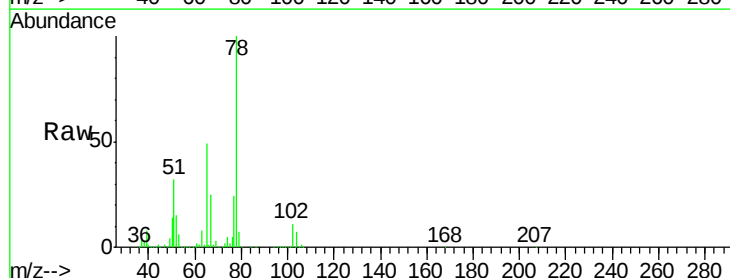
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

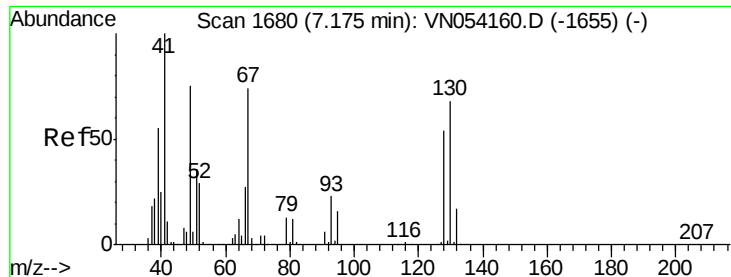
Tot Ion: 83 Resp: 489456
Ion Ratio Lower Upper
83 100
55 72.5 56.6 84.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 20.757 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 78 Resp: 1199375
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

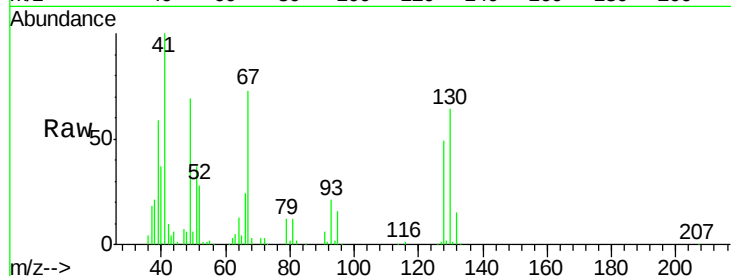




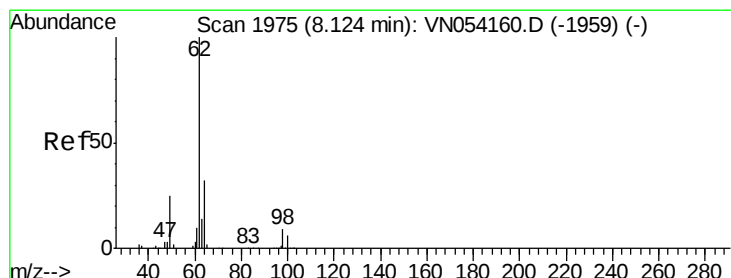
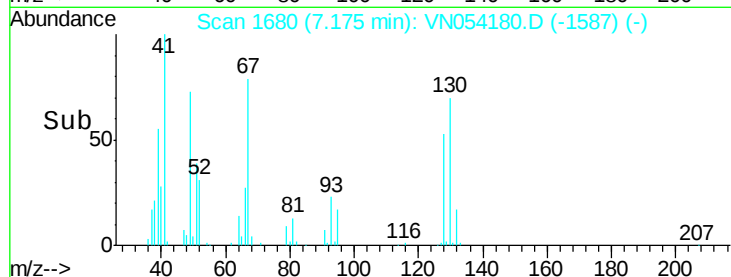
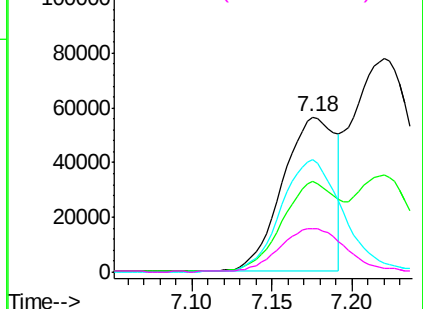
#41
Methacrylonitrile
Concen: 19.592 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion:	41	Resp:	129784
Ion	Ratio	Lower	Upper
41	100		
39	64.8	46.8	70.2
67	85.7	67.0	100.4
52	35.0	26.5	39.7

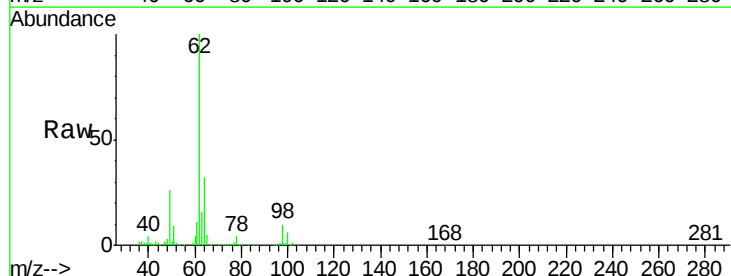


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

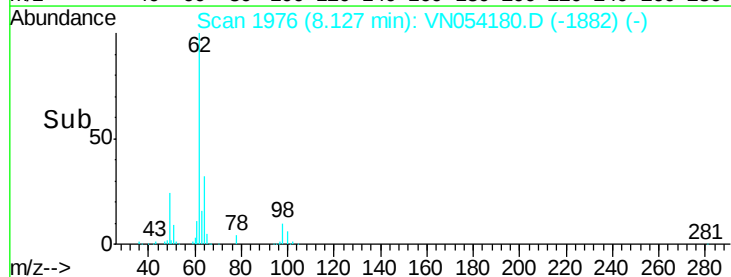
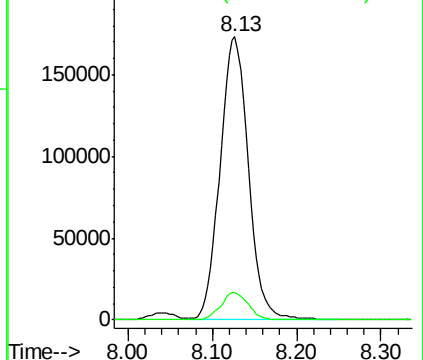


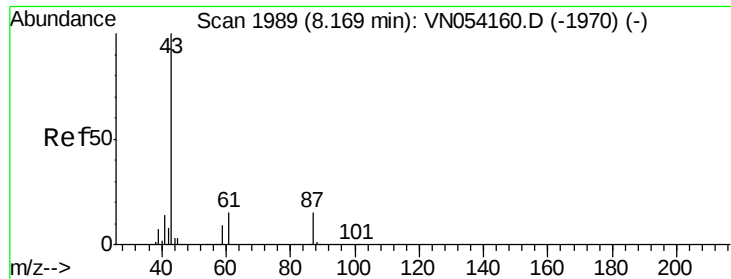
#42
1,2-Dichloroethane
Concen: 20.663 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:	62	Resp:	403086
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.510 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

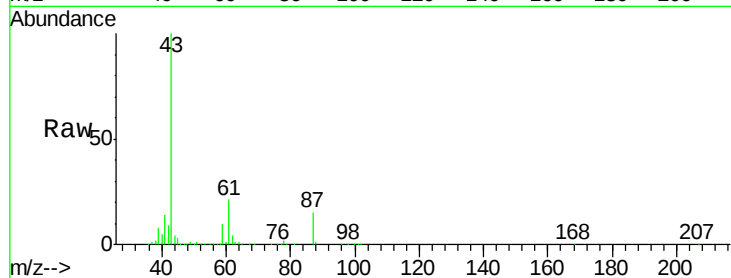
Tot Ion: 43 Resp: 417676

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.8

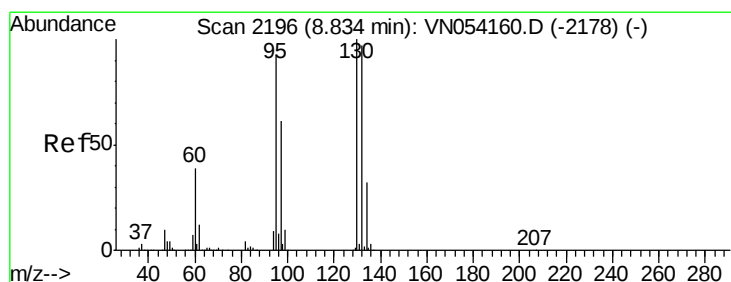
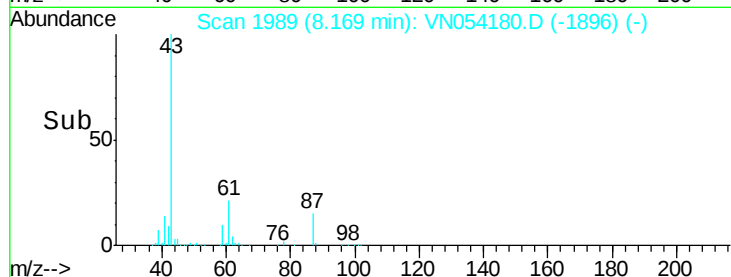
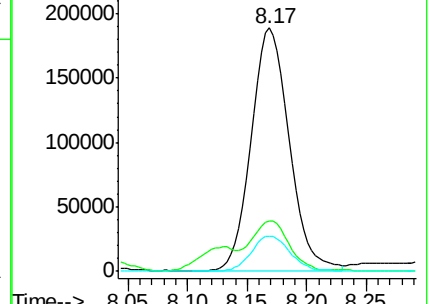
87 15.0 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.715 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054180.D

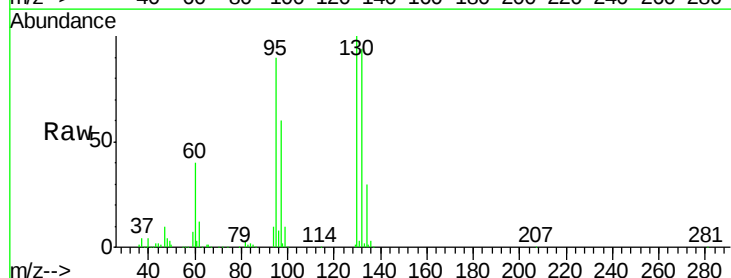
Acq: 12 Mar 2019 23:31

Tgt Ion: 130 Resp: 371838

Ion Ratio Lower Upper

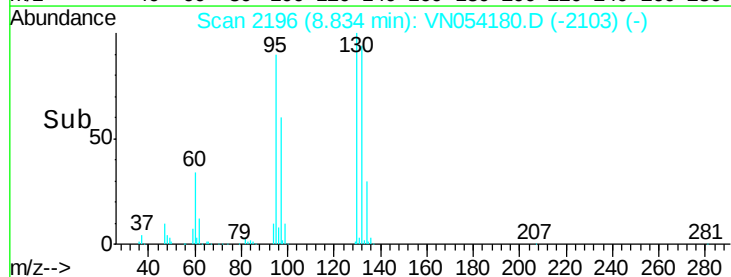
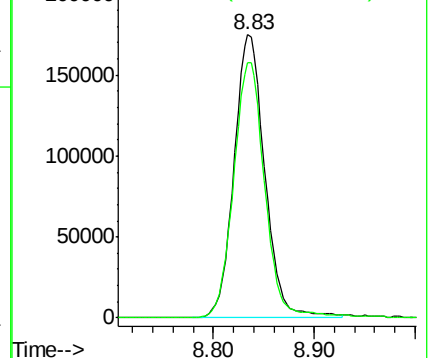
130 100

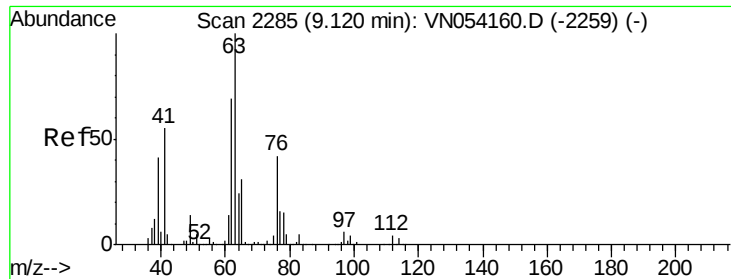
95 90.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.686 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

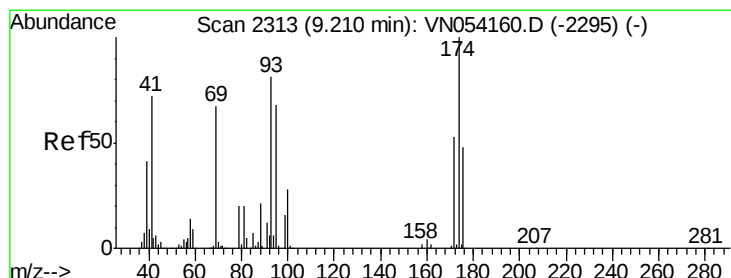
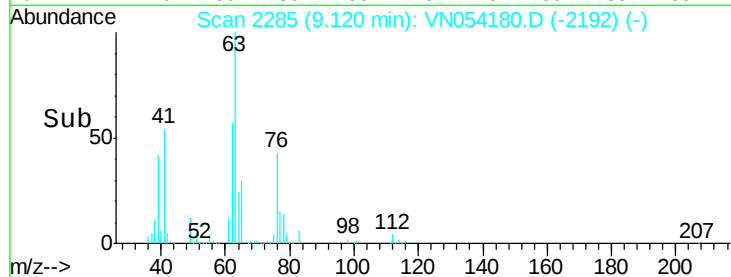
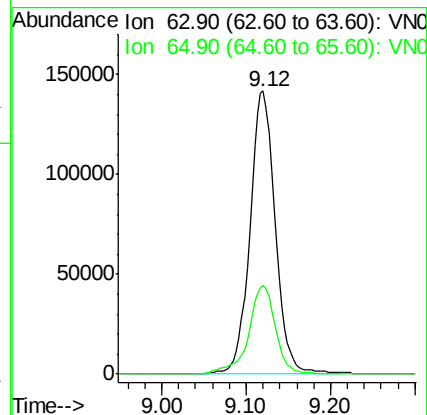
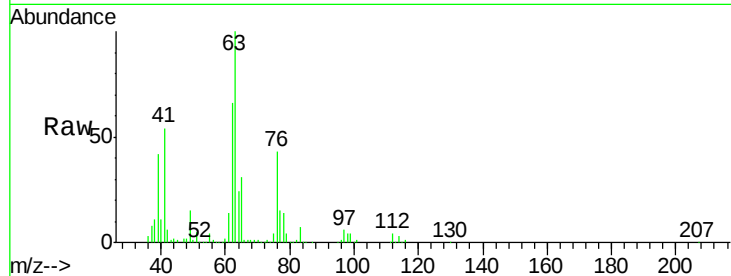
VN0312WBSD02

Tot Ion: 63 Resp: 296804

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.6



#46

Dibromomethane

Concen: 20.556 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

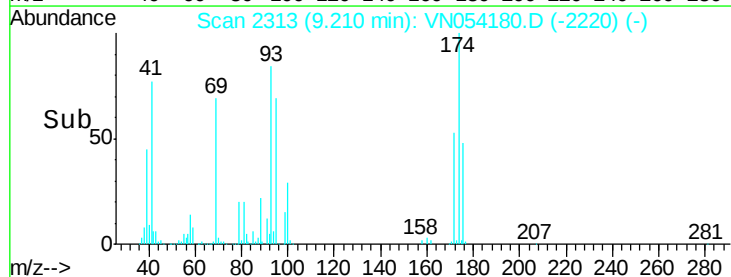
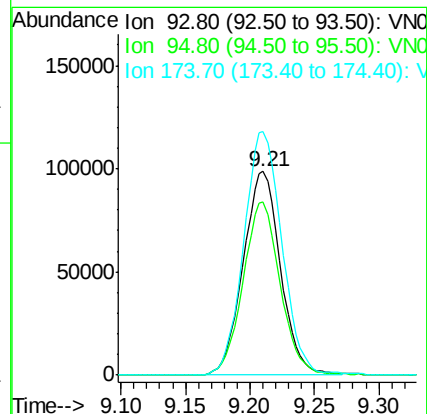
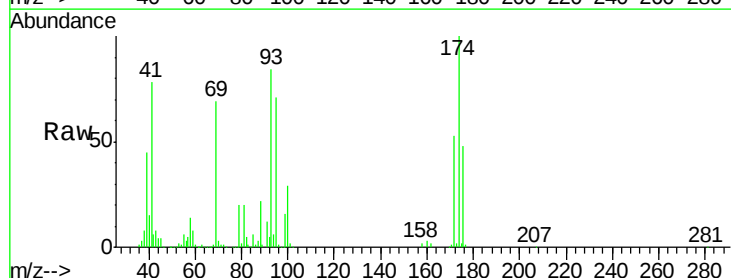
Tgt Ion: 93 Resp: 199273

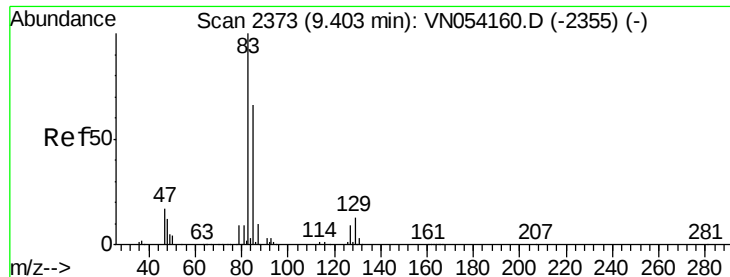
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 122.4 98.5 147.7

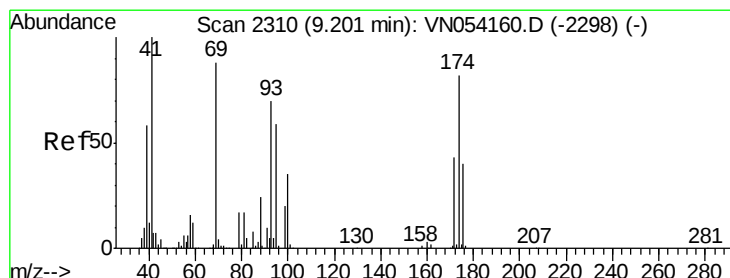
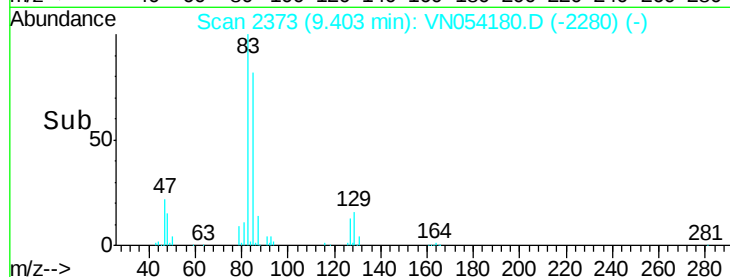
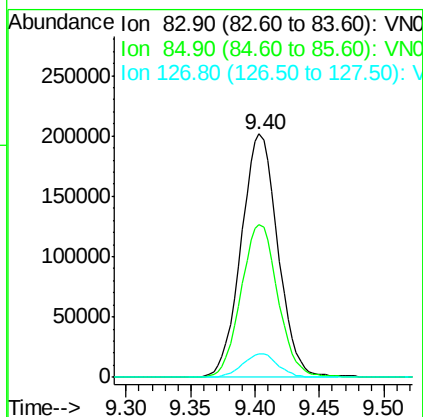
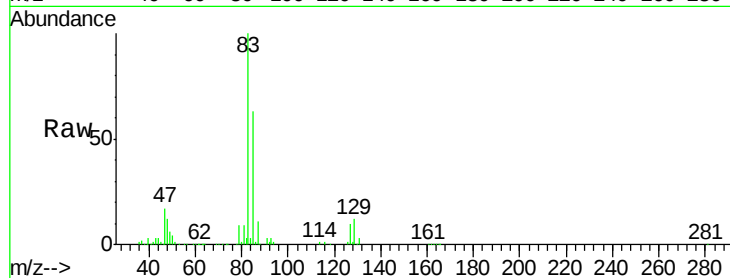




#47
Bromodichloromethane
Concen: 20.528 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

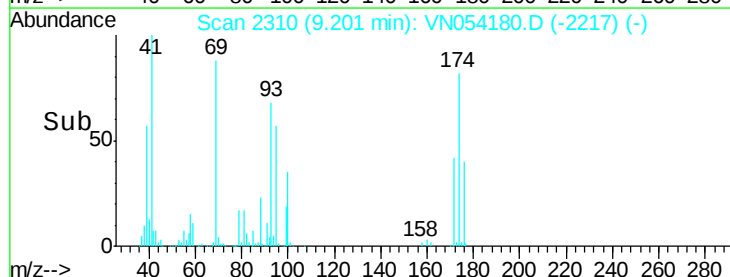
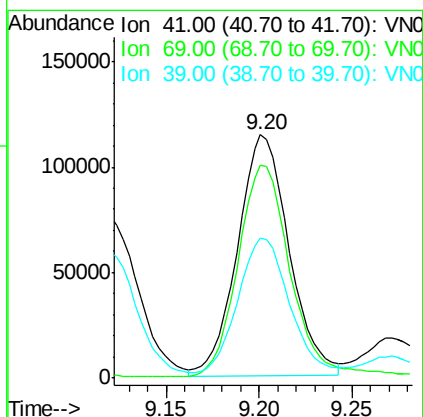
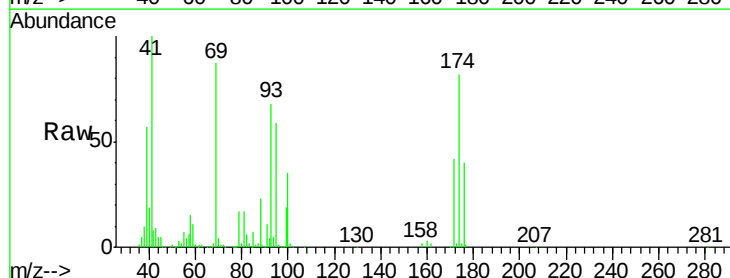
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 83 Resp: 398939
Ion Ratio Lower Upper
83 100
85 62.7 52.8 79.2
127 9.8 7.4 11.2



#48
Methyl methacrylate
Concen: 21.428 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 41 Resp: 221459
Ion Ratio Lower Upper
41 100
69 90.4 72.6 108.8
39 58.4 47.5 71.3

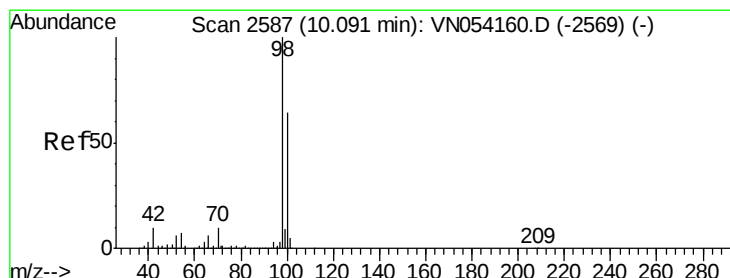
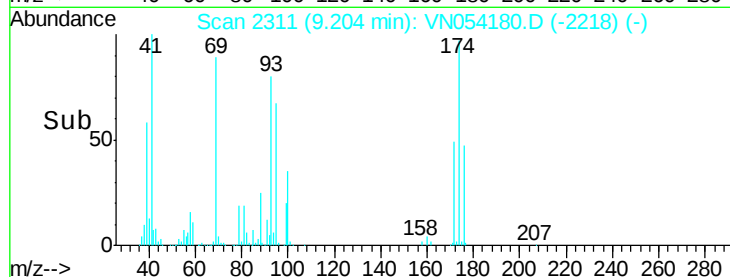
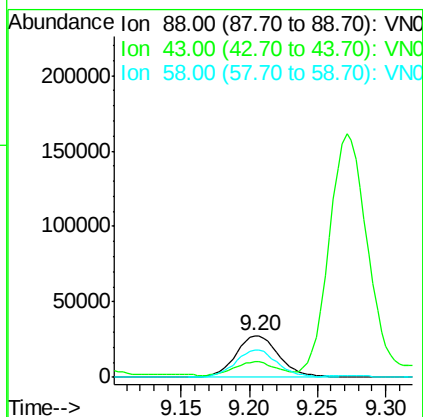
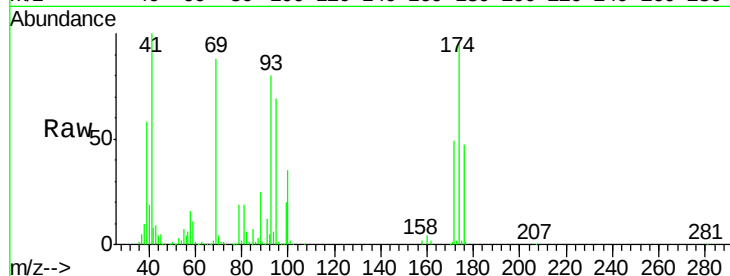




#49
1,4-Dioxane
Concen: 416.149 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

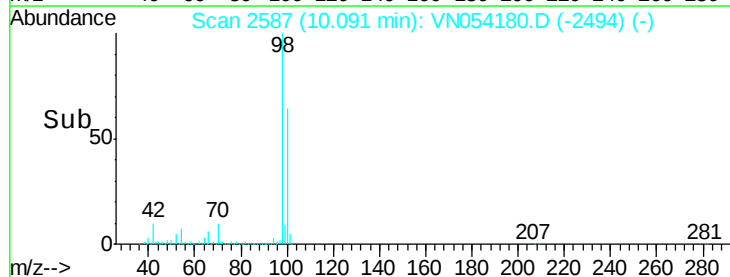
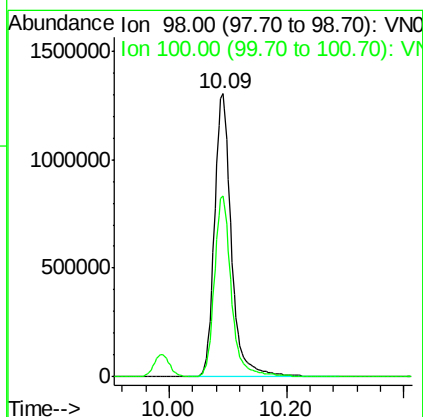
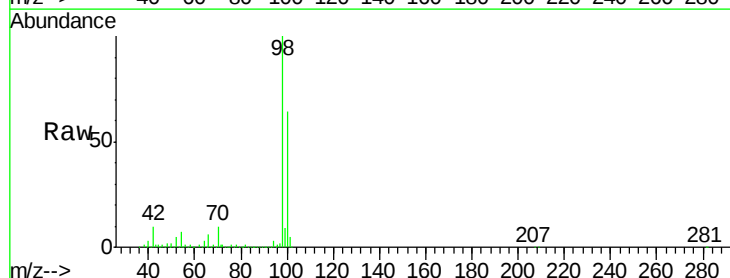
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 88 Resp: 60835
Ion Ratio Lower Upper
88 100
43 30.7 24.1 36.1
58 63.9 50.8 76.2



#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 98 Resp: 2597437
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 106.745 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

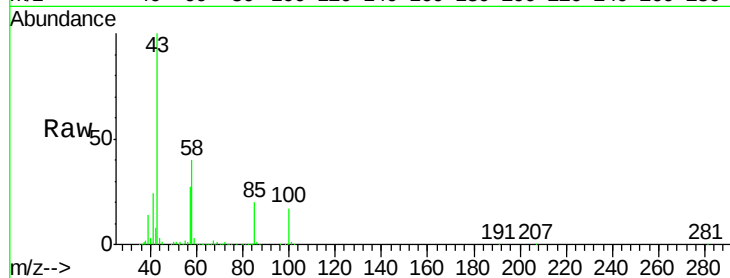
VN0312WBSD02

Tot Ion: 43 Resp: 1150424

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

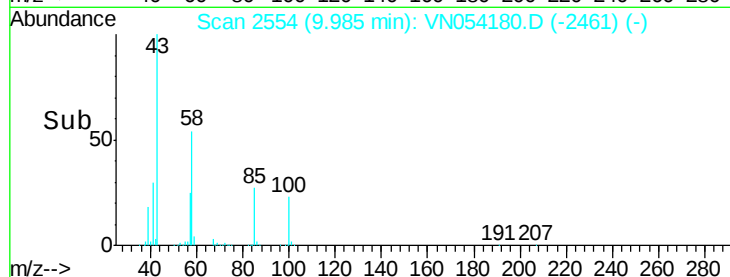
600000

400000

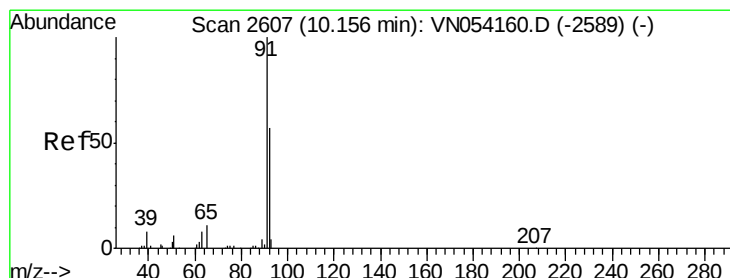
200000

0

Time-->



Time-->



#52

Toluene

Concen: 20.664 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054180.D

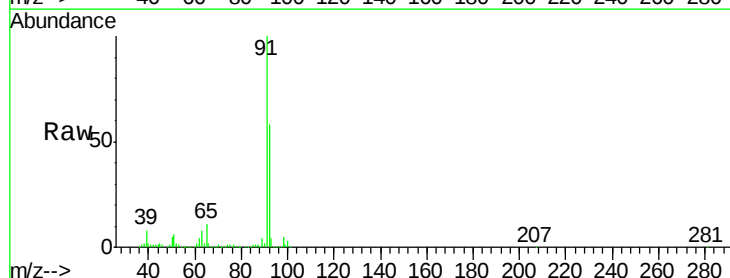
Acq: 12 Mar 2019 23:31

Tgt Ion: 92 Resp: 757076

Ion Ratio Lower Upper

92 100

91 173.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

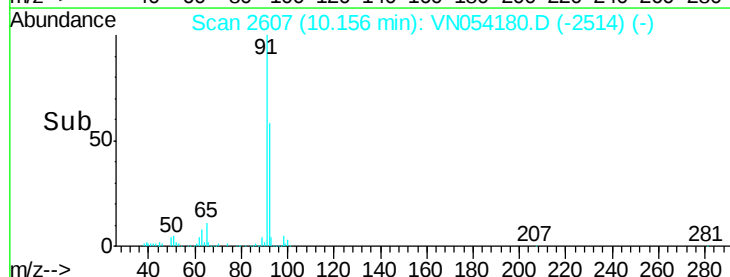
600000

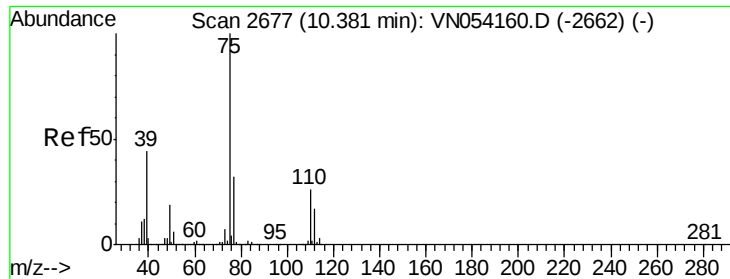
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.571 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

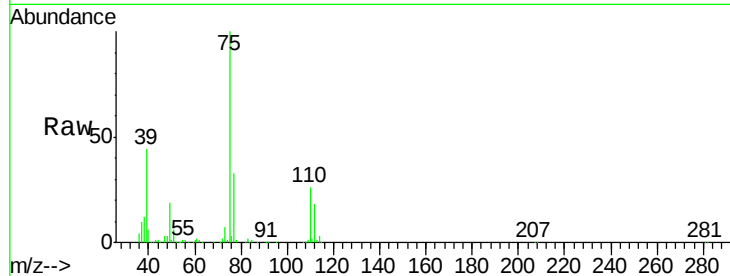
VN0312WBSD02

Tot Ion: 75 Resp: 383904

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

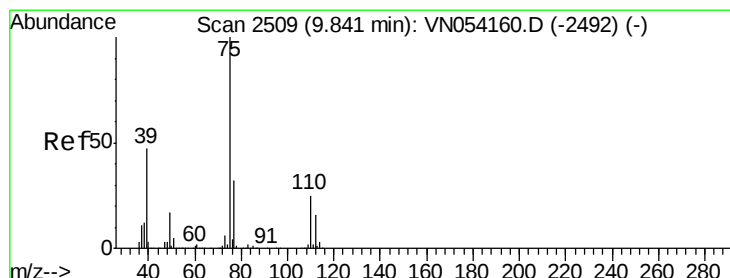
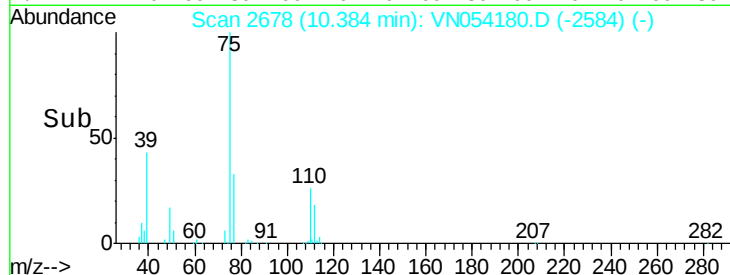
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.687 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

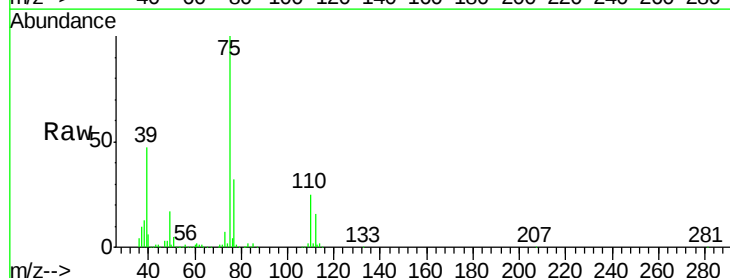
Tgt Ion: 75 Resp: 445850

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 46.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

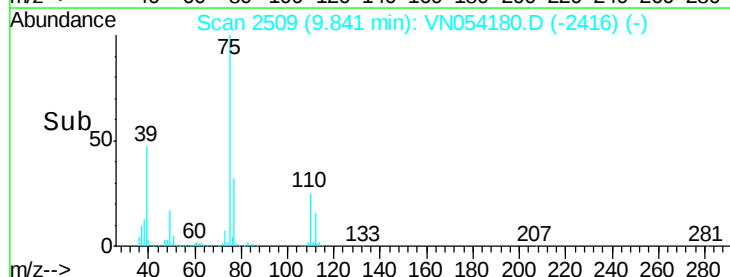
150000

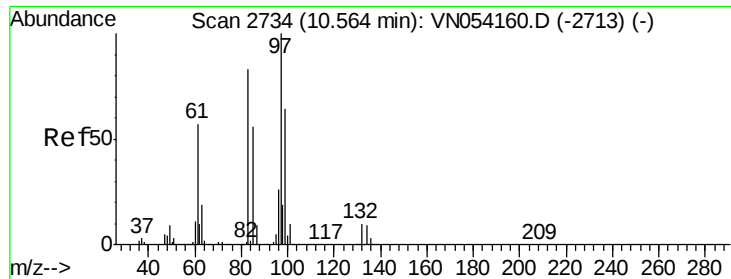
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.006 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

Tot Ion: 97 Resp: 281008

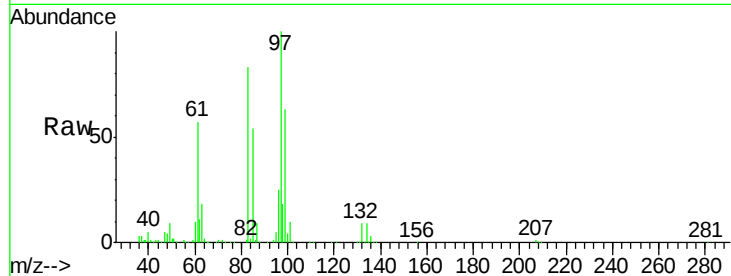
Ion Ratio Lower Upper

97 100

83 82.5 66.6 100.0

85 54.2 44.4 66.6

99 62.9 50.8 76.2

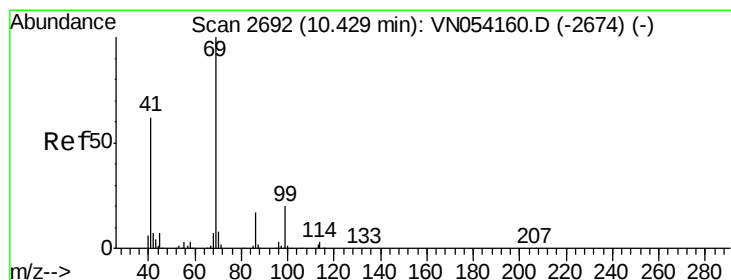
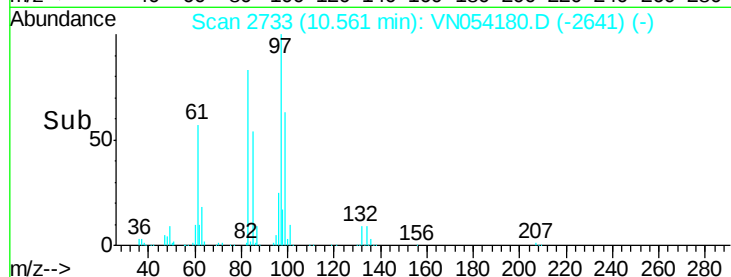
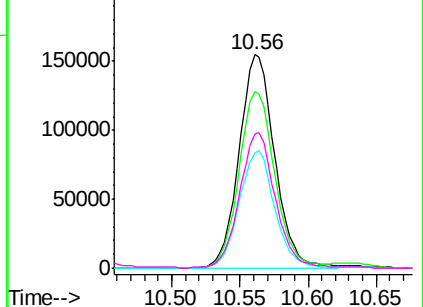


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.867 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

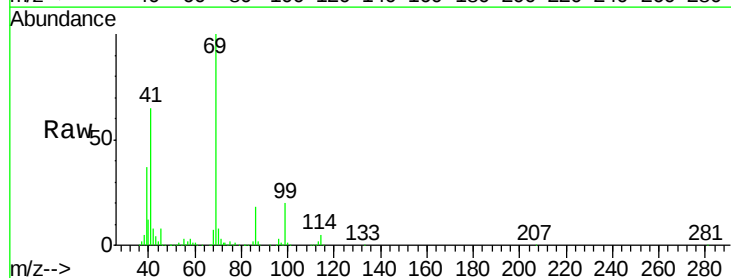
Tgt Ion: 69 Resp: 332861

Ion Ratio Lower Upper

69 100

41 62.5 49.4 74.2

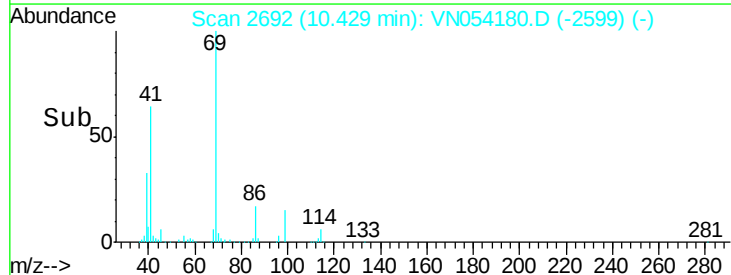
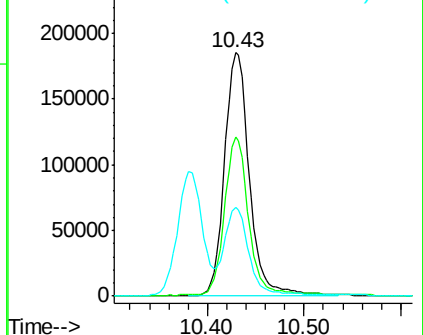
39 35.5 28.3 42.5

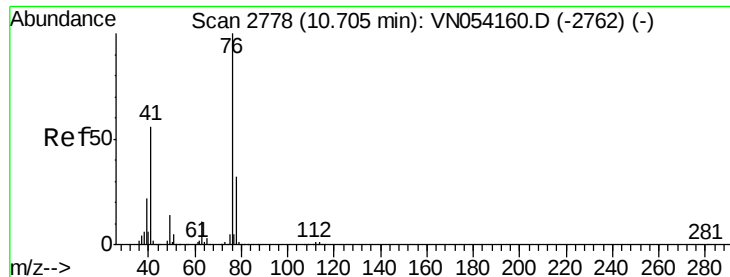


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.943 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

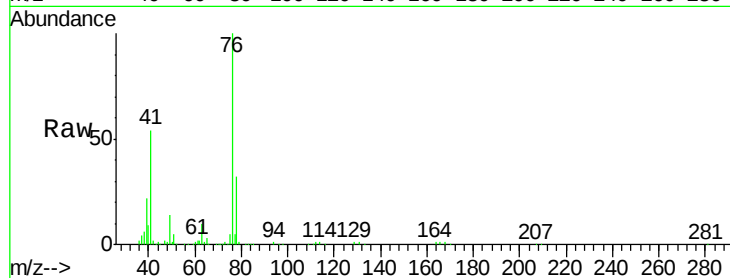
VN0312WBSD02

Tot Ion: 76 Resp: 458105

Ion Ratio Lower Upper

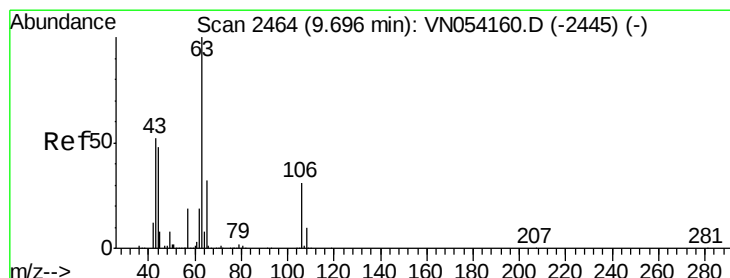
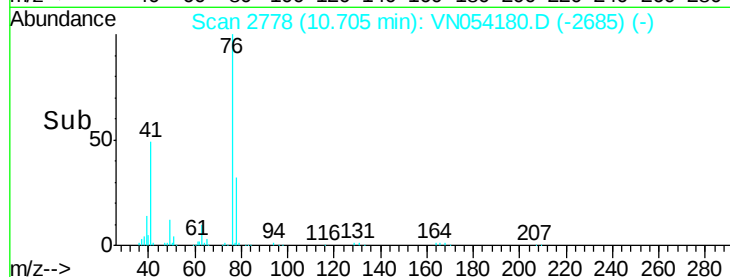
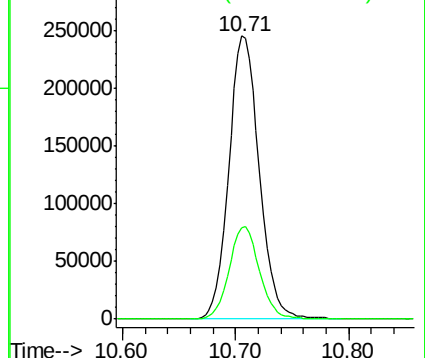
76 100

78 32.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.505 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054180.D

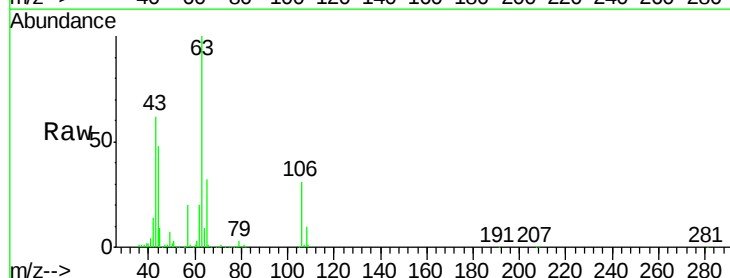
Acq: 12 Mar 2019 23:31

Tgt Ion: 63 Resp: 613444

Ion Ratio Lower Upper

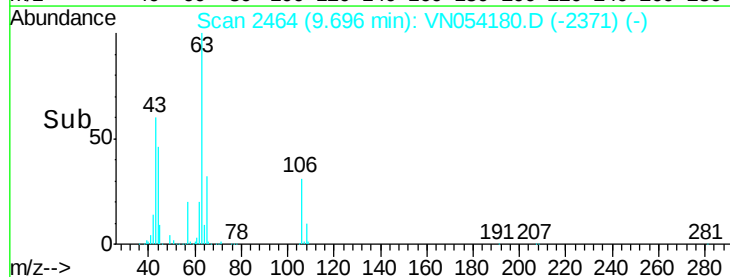
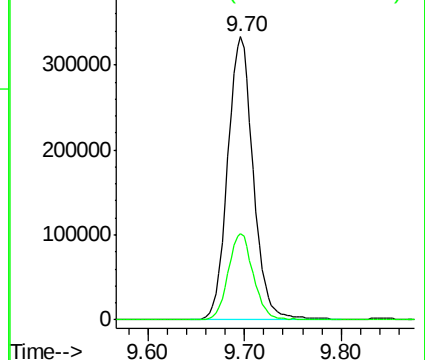
63 100

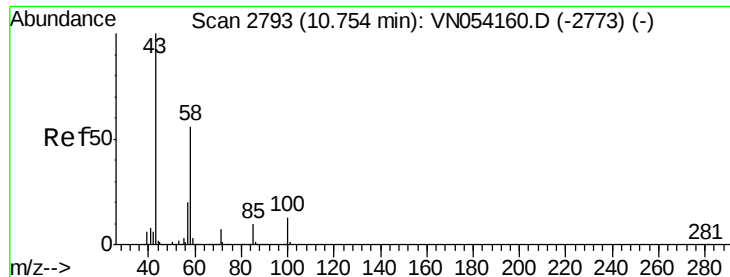
106 29.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

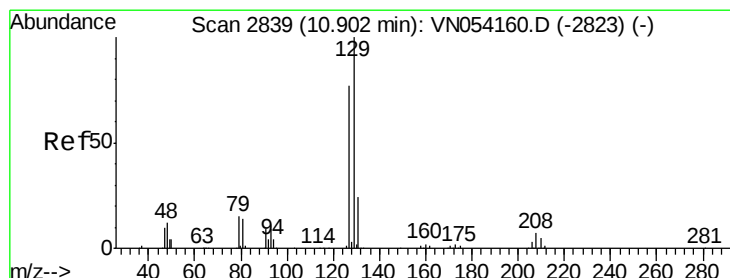
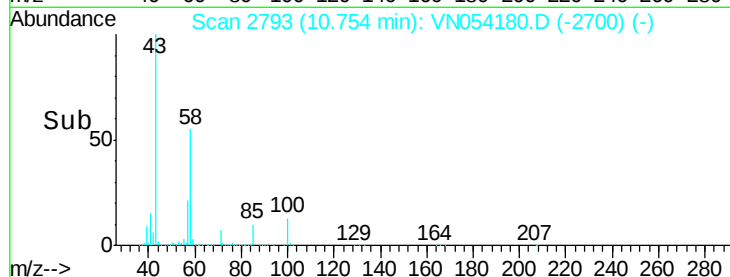
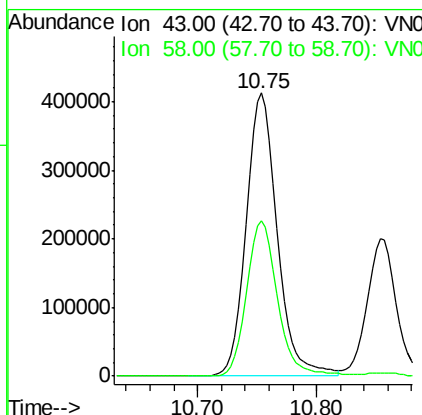
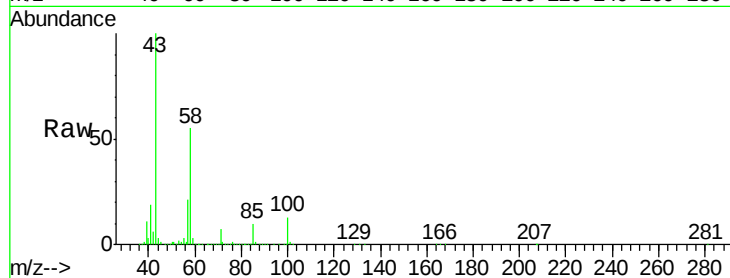




#59
2-Hexanone
Concen: 103.223 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

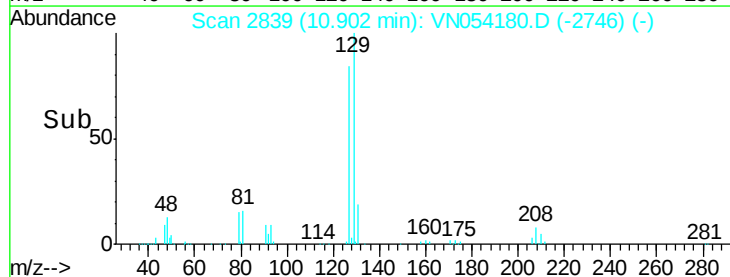
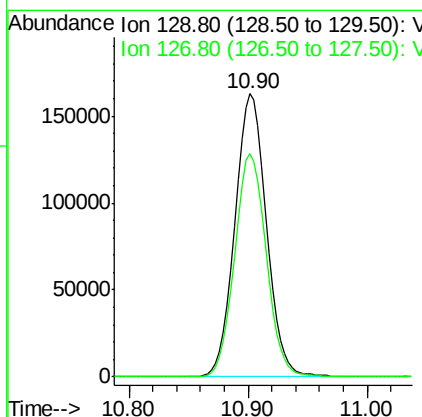
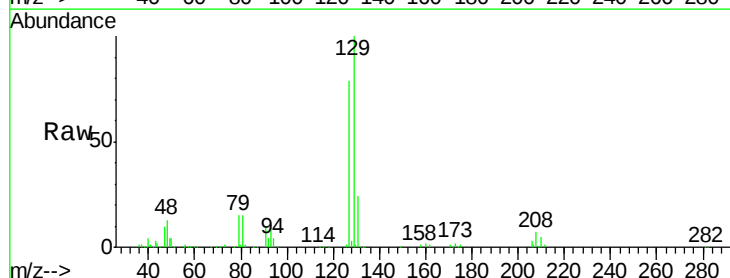
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 43 Resp: 740231
Ion Ratio Lower Upper
43 100
58 55.1 28.0 83.9



#60
Dibromochloromethane
Concen: 19.855 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 129 Resp: 298960
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.8

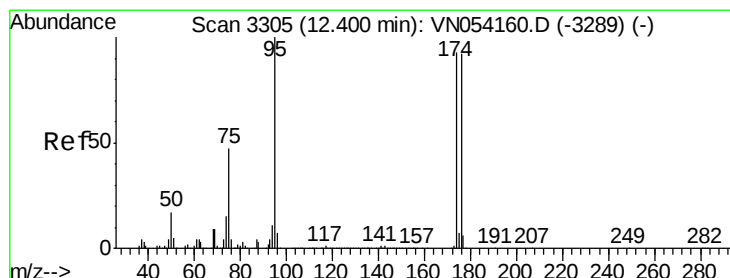
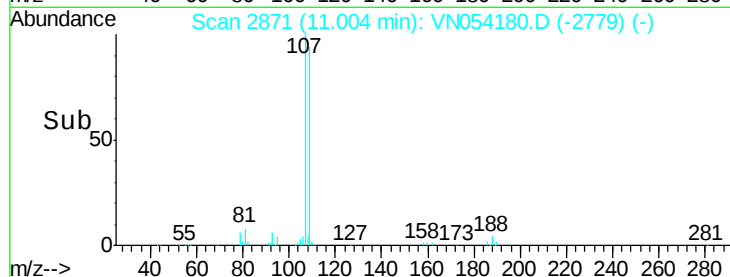
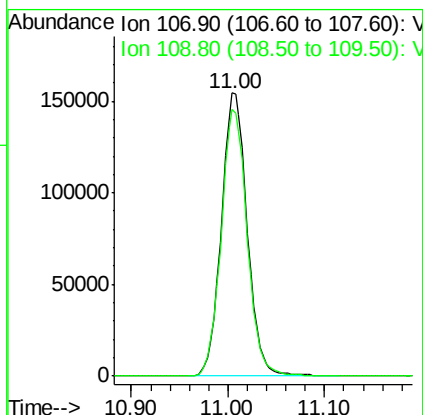
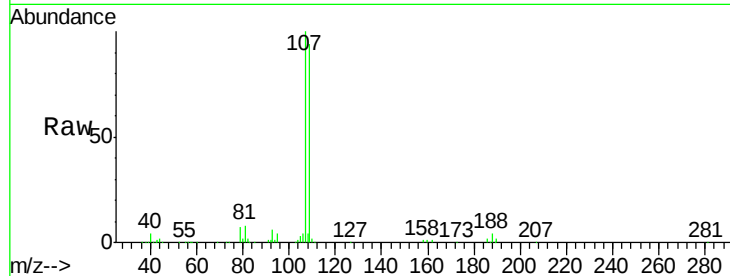




#61
 1,2-Dibromoethane
 Concen: 21.017 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

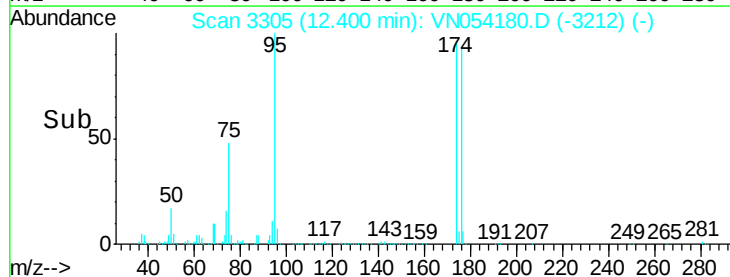
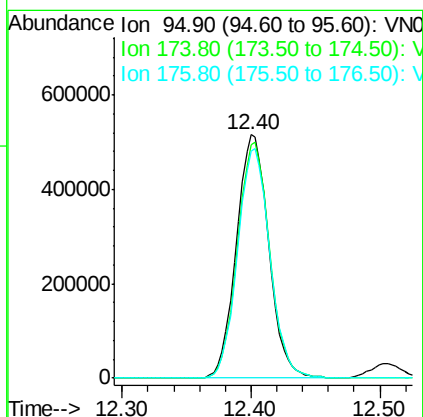
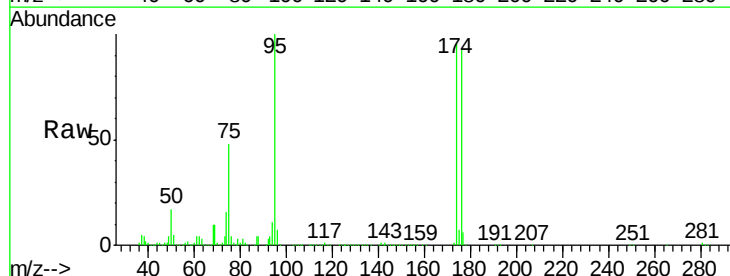
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Tot Ion:107 Resp: 285715
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.272 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion: 95 Resp: 900400
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 191.0
 176 94.2 0.0 187.4

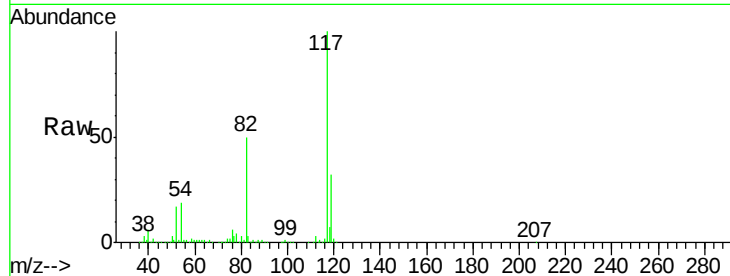




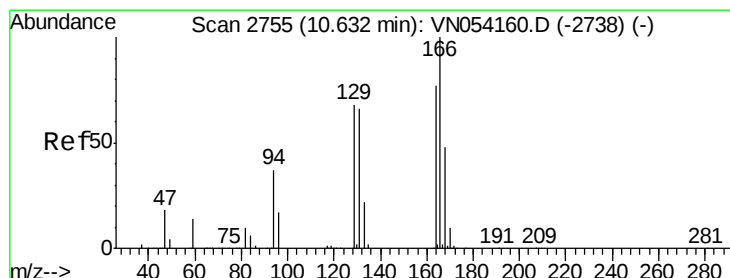
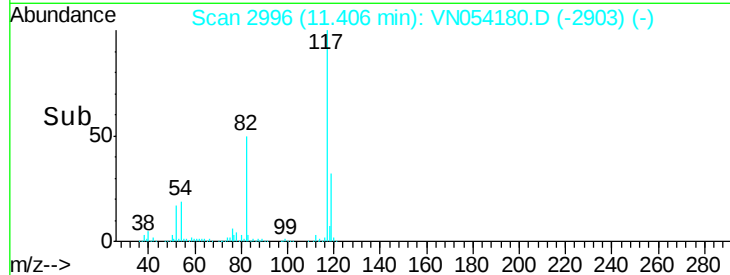
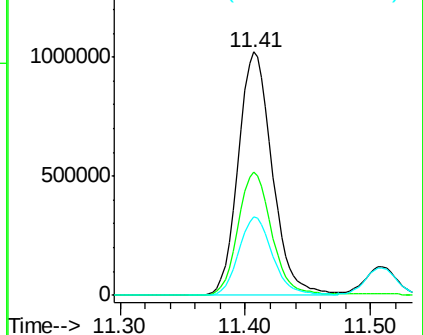
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD02

Tot Ion:117 Resp: 1929920
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 32.1 25.8 38.6

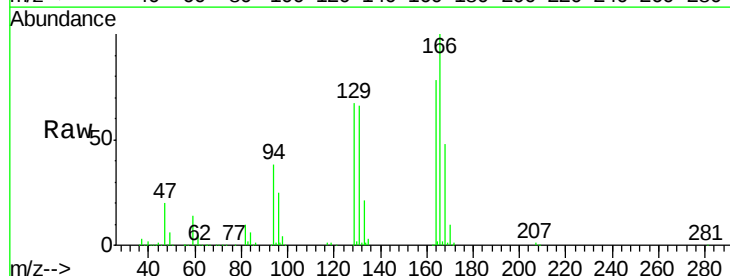


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

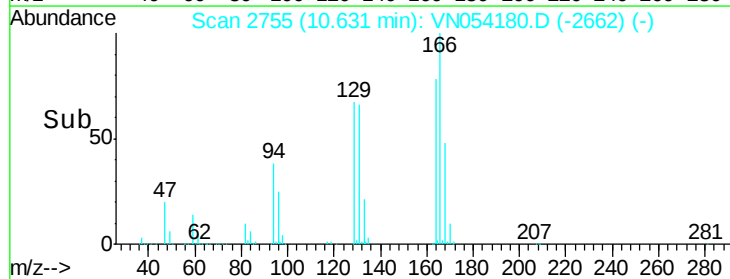
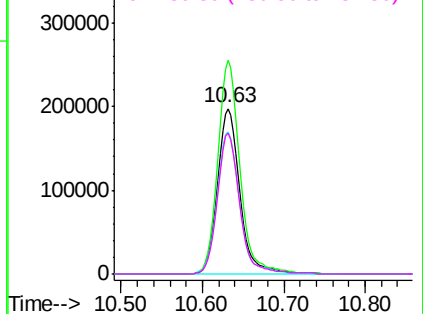


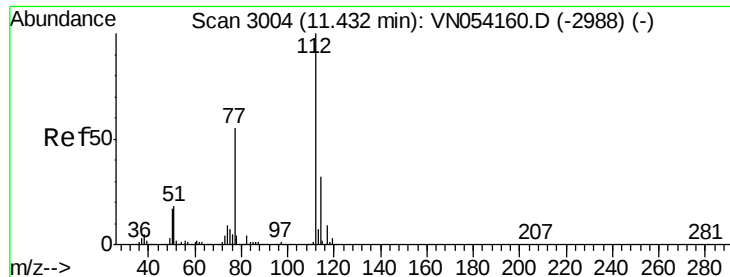
#64
Tetrachloroethene
Concen: 20.608 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:164 Resp: 384530
Ion Ratio Lower Upper
164 100
166 128.9 103.9 155.9
129 85.9 71.1 106.7
131 85.3 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.689 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

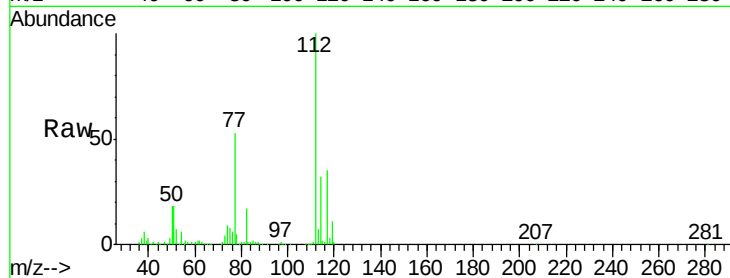
VN0312WBSD02

Tot Ion:112 Resp: 876710

Ion Ratio Lower Upper

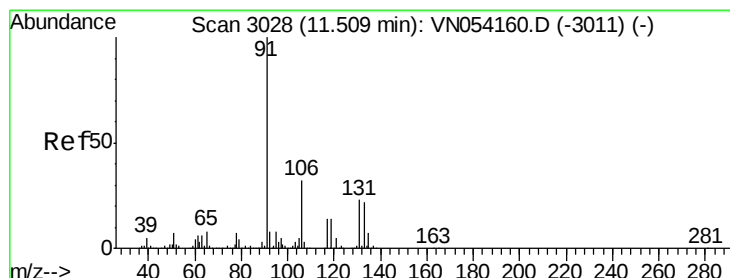
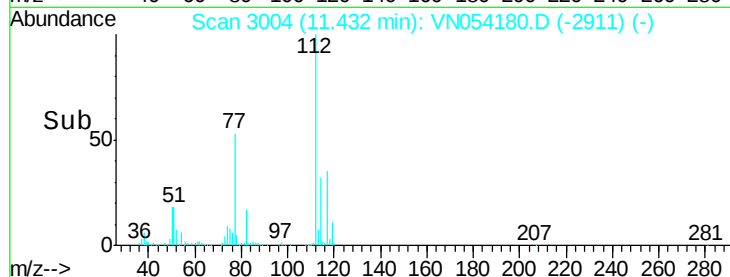
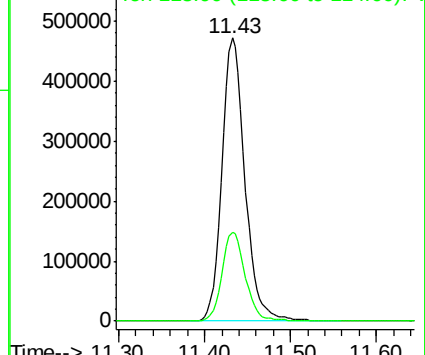
112 100

114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.471 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

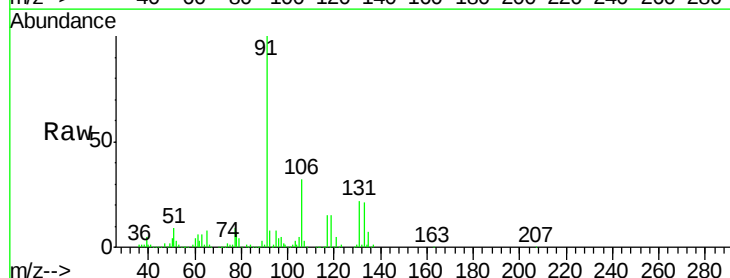
Tgt Ion:131 Resp: 315138

Ion Ratio Lower Upper

131 100

133 95.0 47.6 142.9

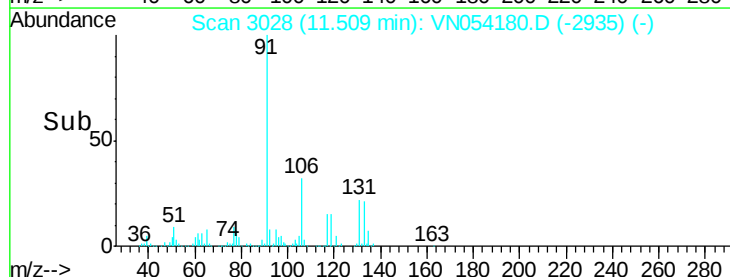
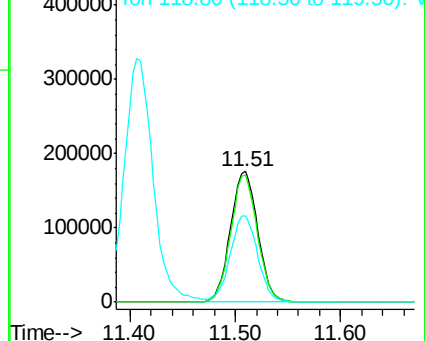
119 66.8 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

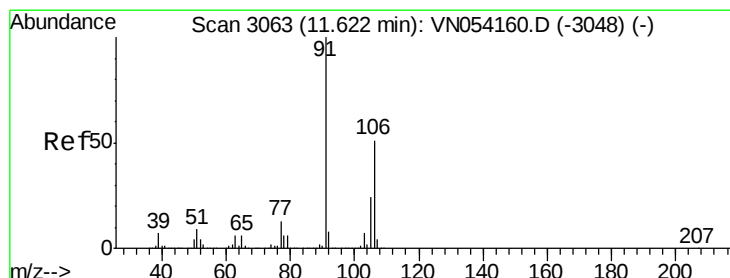
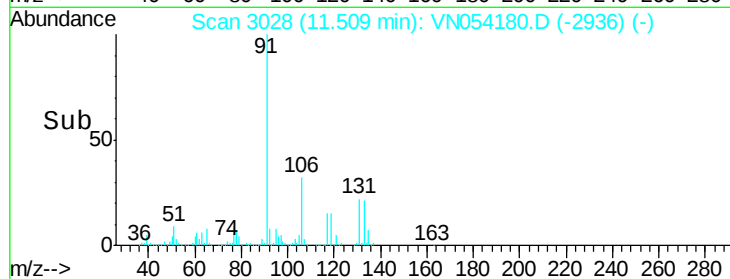
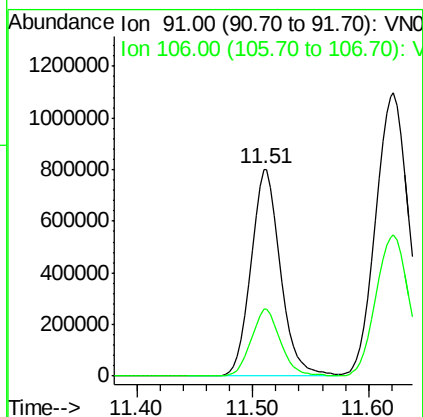
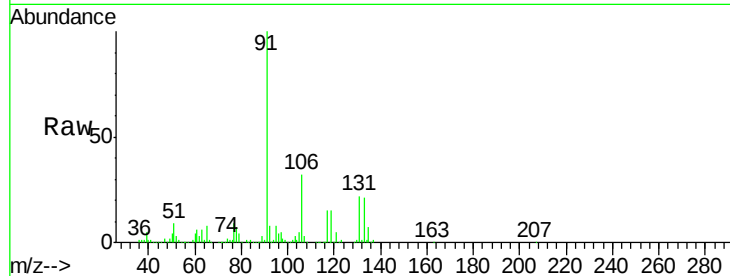




#67
Ethyl Benzene
Concen: 20.310 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

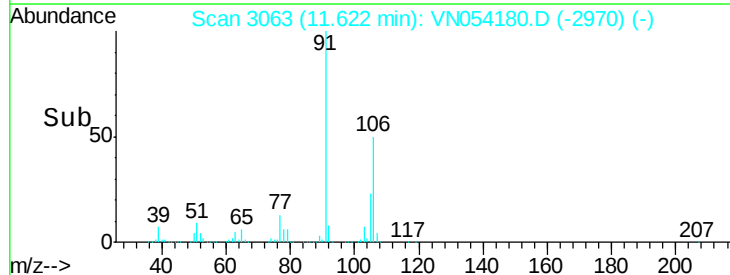
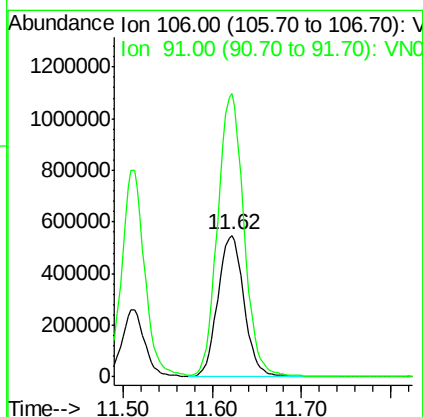
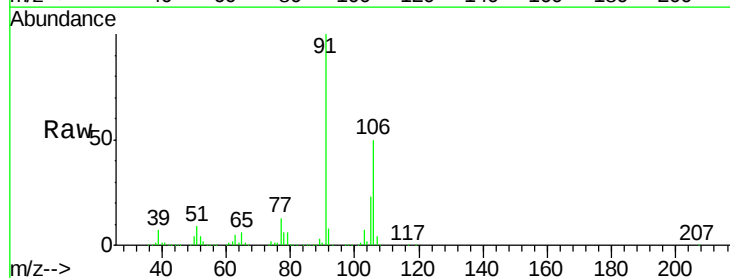
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

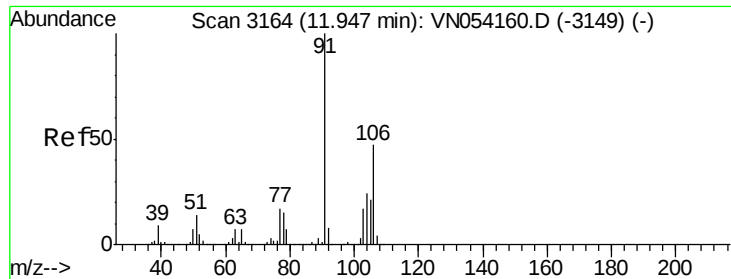
Tot Ion: 91 Resp: 1426697
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 40.824 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 106 Resp: 1120820
Ion Ratio Lower Upper
106 100
91 199.9 159.4 239.2

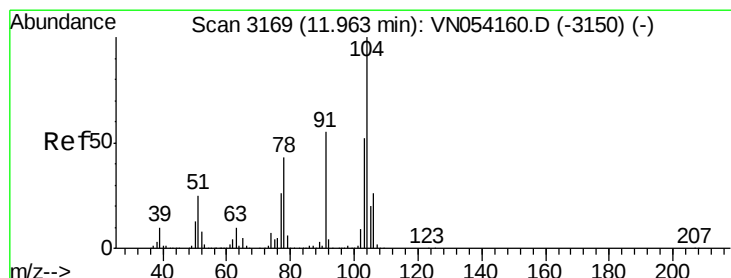
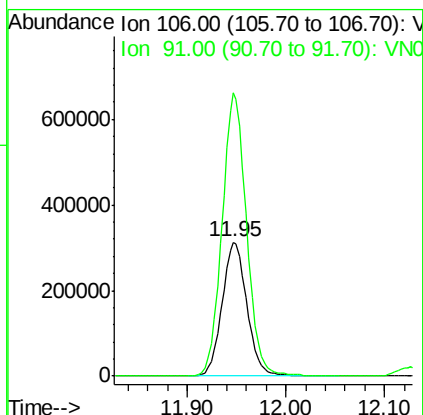
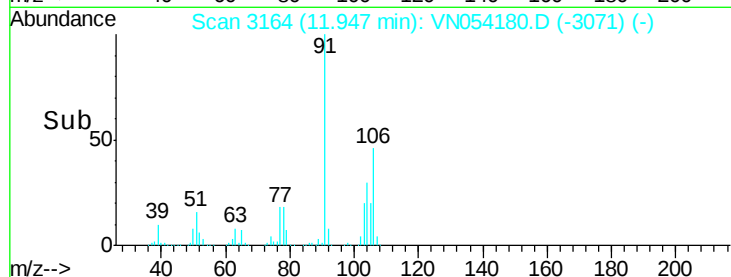
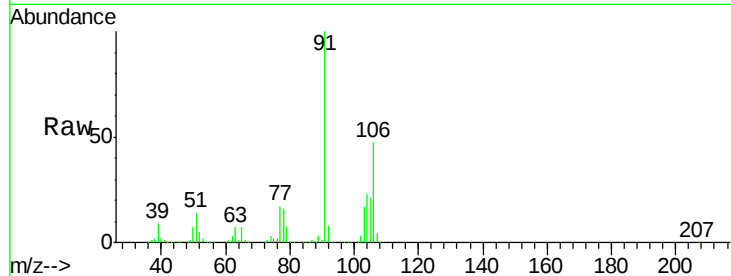




#69
o-Xylene
Concen: 20.640 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

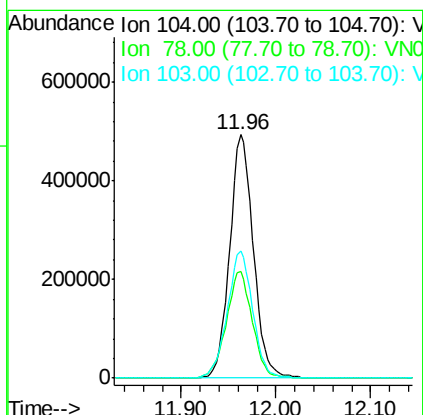
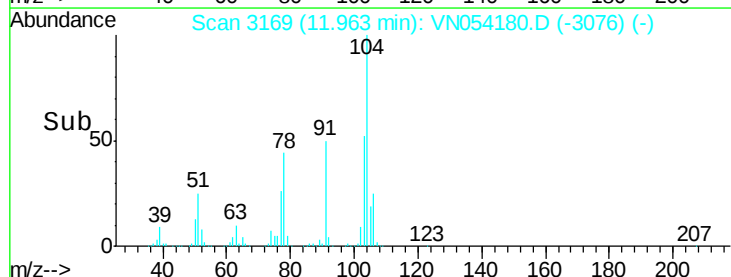
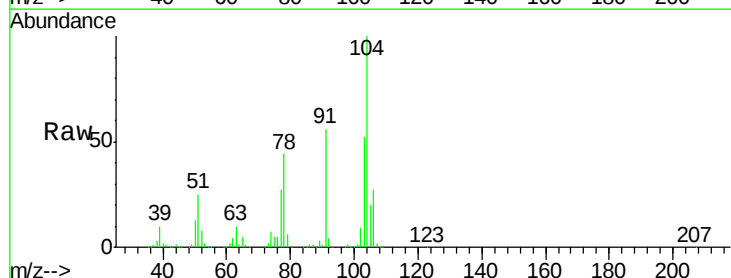
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

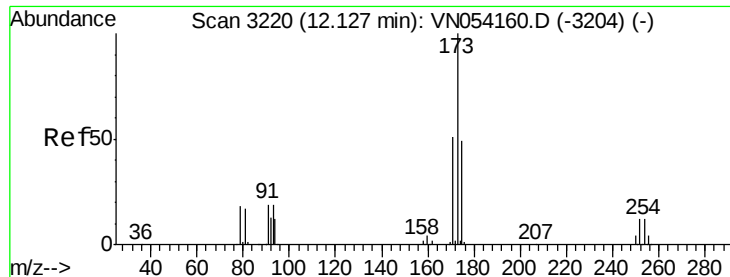
Tot Ion:106 Resp: 552401
Ion Ratio Lower Upper
106 100
91 208.4 105.7 317.1



#70
Styrene
Concen: 20.490 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:104 Resp: 860086
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.2 44.4 66.6





#71

Bromoform

Concen: 18.883 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

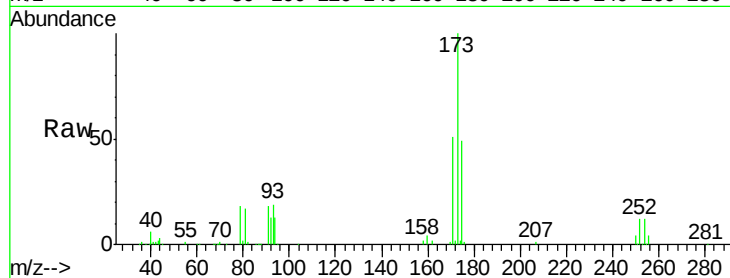
Tot Ion:173 Resp: 203572

Ion Ratio Lower Upper

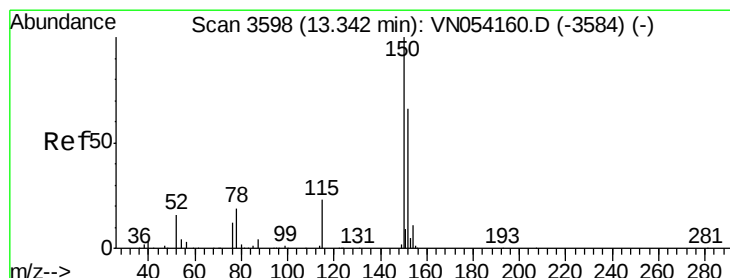
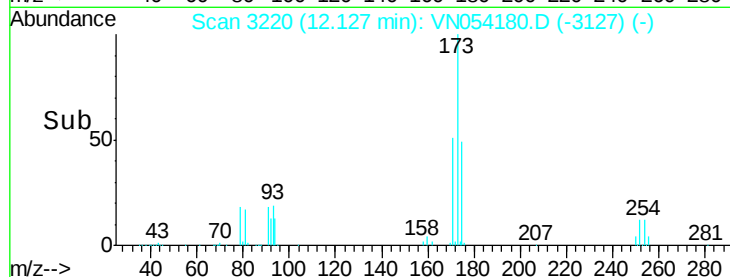
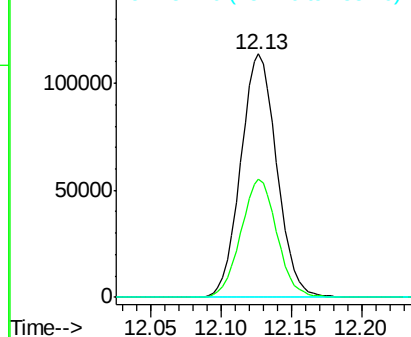
173 100

175 48.5 24.4 73.2

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

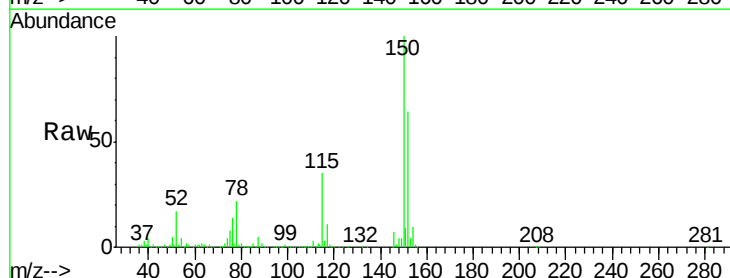
Tgt Ion:152 Resp: 919286

Ion Ratio Lower Upper

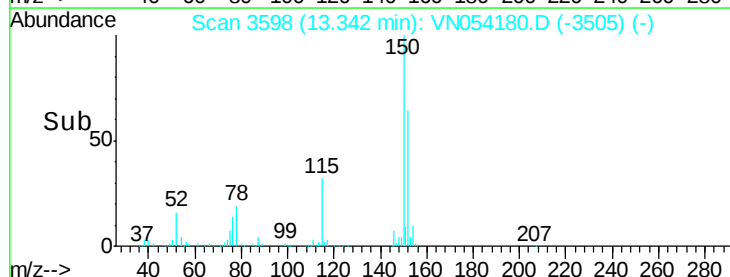
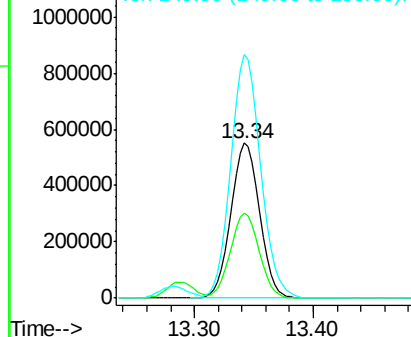
152 100

115 55.1 27.2 81.6

150 163.7 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: 20.018 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

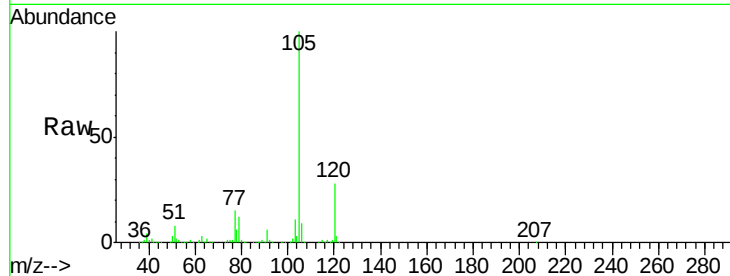
VN0312WBSD02

Tot Ion:105 Resp: 1472307

Ion Ratio Lower Upper

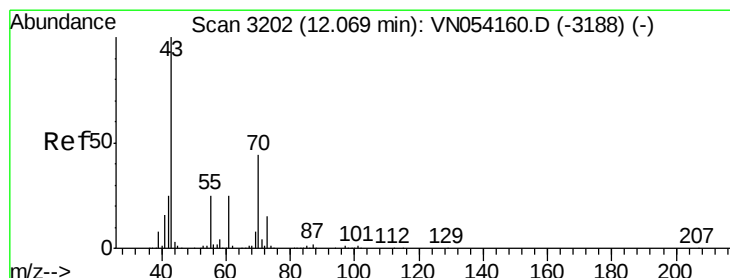
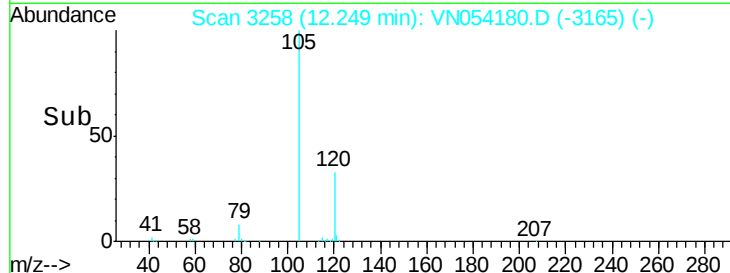
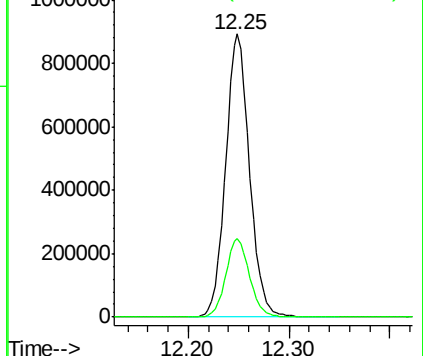
105 100

120 27.5 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: 20.849 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Tgt Ion: 43 Resp: 340367

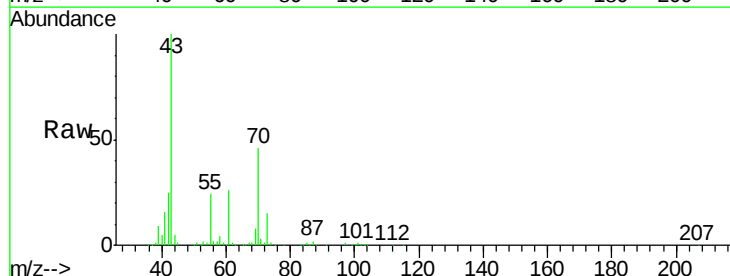
Ion Ratio Lower Upper

43 100

70 45.1 35.4 53.0

55 24.8 19.8 29.6

61 25.3 19.8 29.6

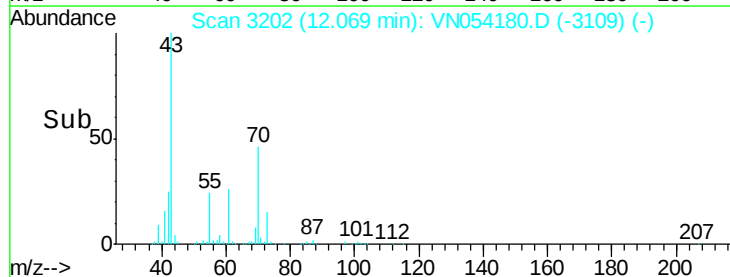
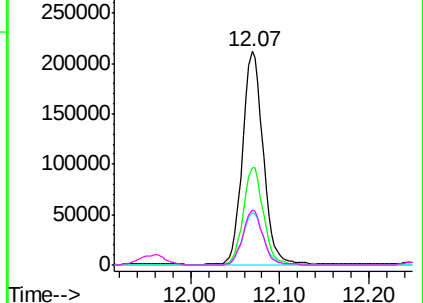


Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.447 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

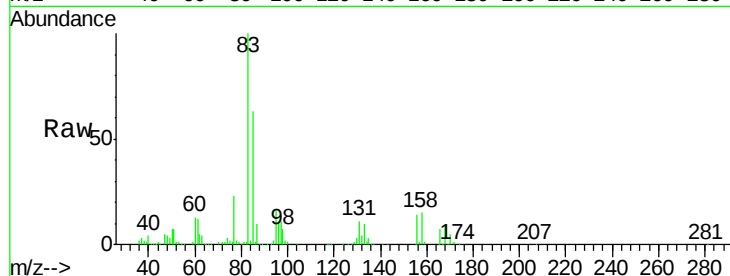
Tot Ion: 83 Resp: 320402

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

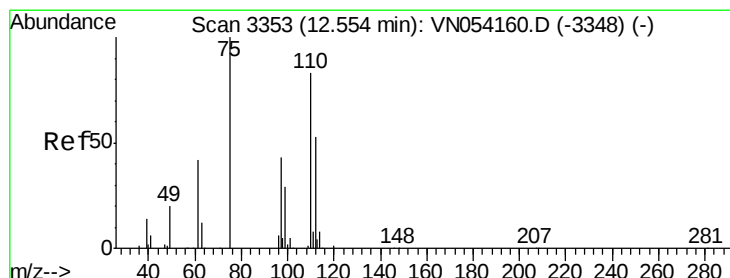
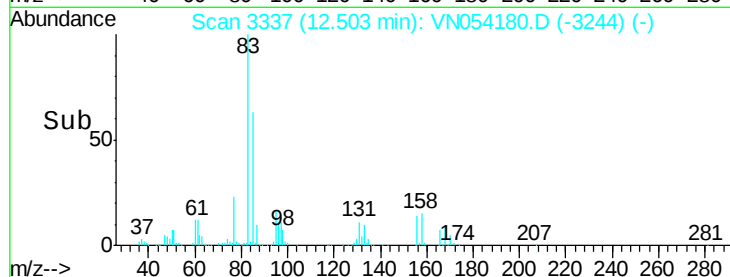
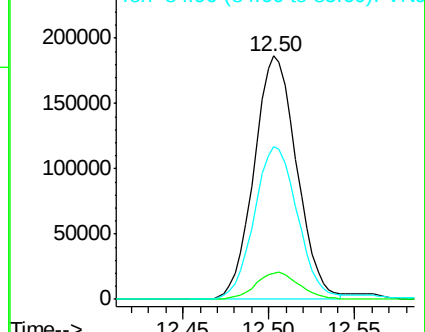
85 64.2 32.2 96.6



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: 28.597 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054180.D

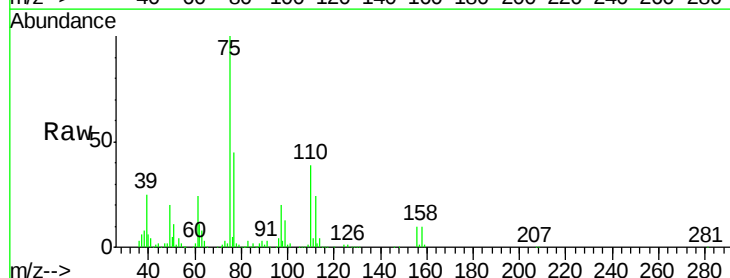
Acq: 12 Mar 2019 23:31

Tgt Ion: 75 Resp: 386586

Ion Ratio Lower Upper

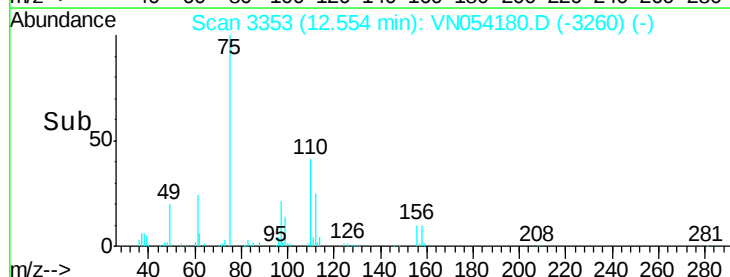
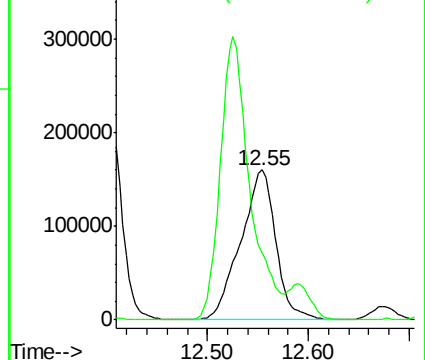
75 100

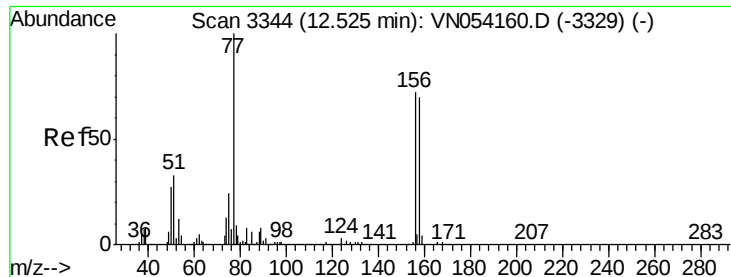
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.072 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

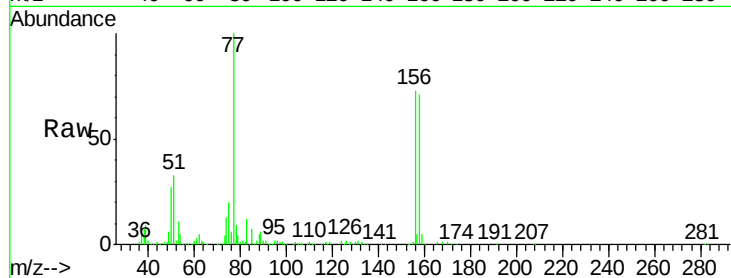
Tot Ion:156 Resp: 390653

Ion Ratio Lower Upper

156 100

77 158.7 81.5 244.4

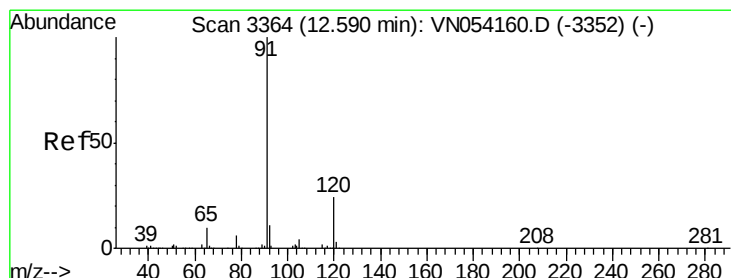
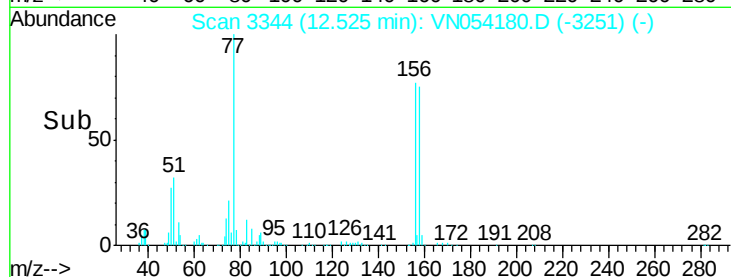
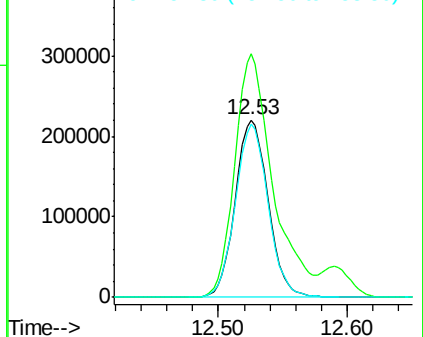
158 97.3 49.0 147.2



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: 20.038 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054180.D

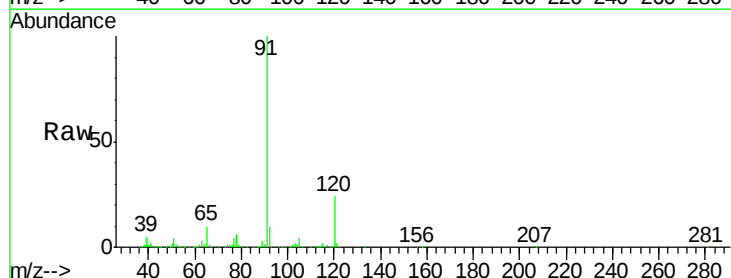
Acq: 12 Mar 2019 23:31

Tgt Ion: 91 Resp: 1599117

Ion Ratio Lower Upper

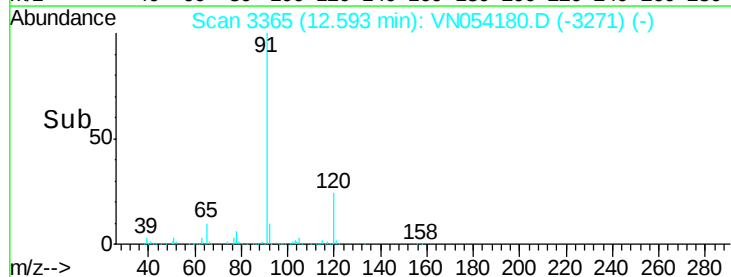
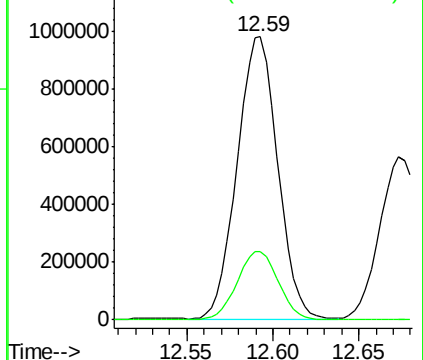
91 100

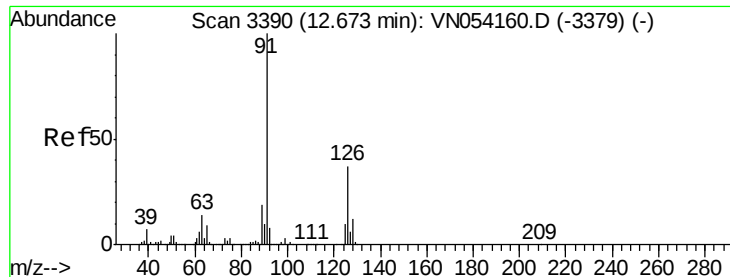
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.946 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

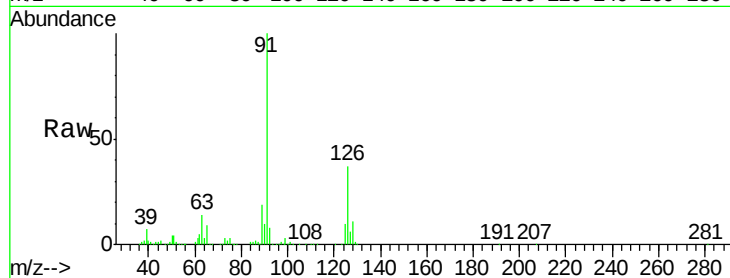
VN0312WBSD02

Tot Ion: 91 Resp: 957112

Ion Ratio Lower Upper

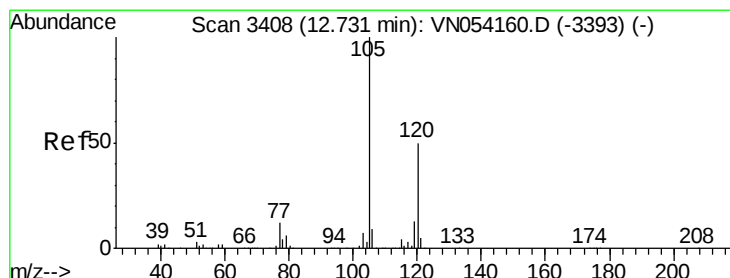
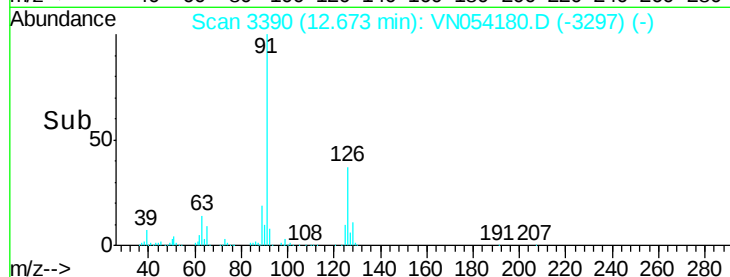
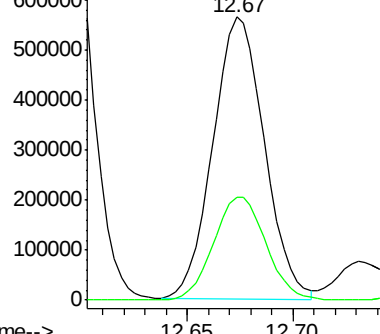
91 100

126 37.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.714 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054180.D

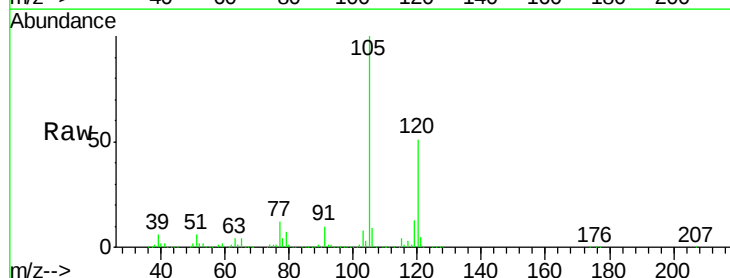
Acq: 12 Mar 2019 23:31

Tgt Ion:105 Resp: 1206058

Ion Ratio Lower Upper

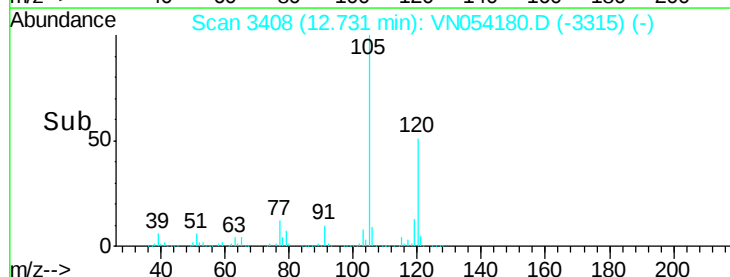
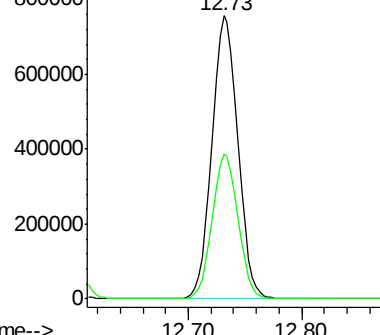
105 100

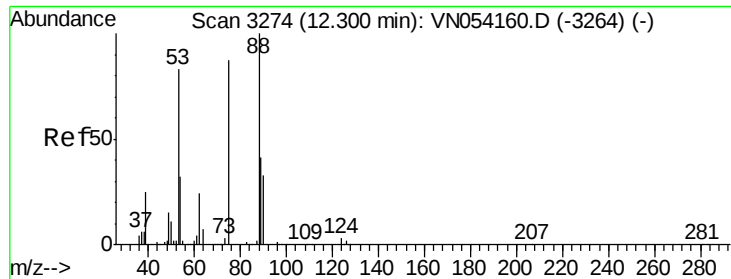
120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.769 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD02

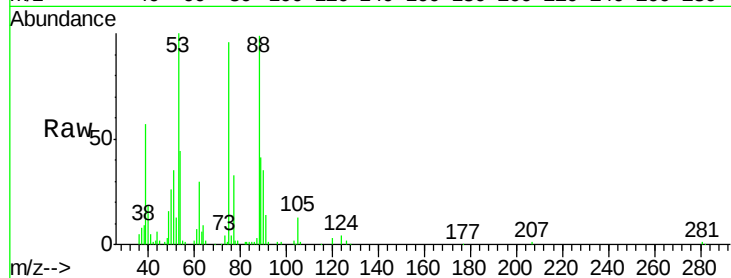
Tot Ion: 75 Resp: 66316

Ion Ratio Lower Upper

75 100

53 107.6 76.2 114.2

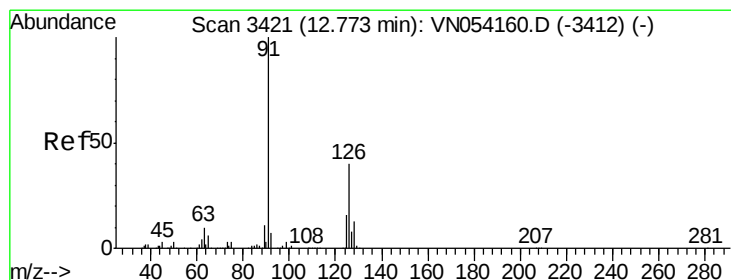
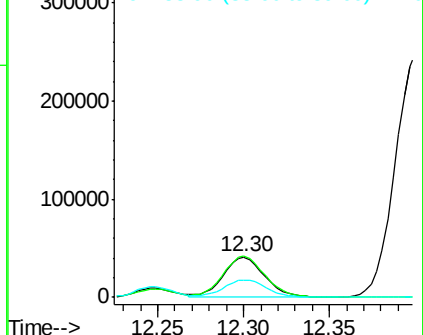
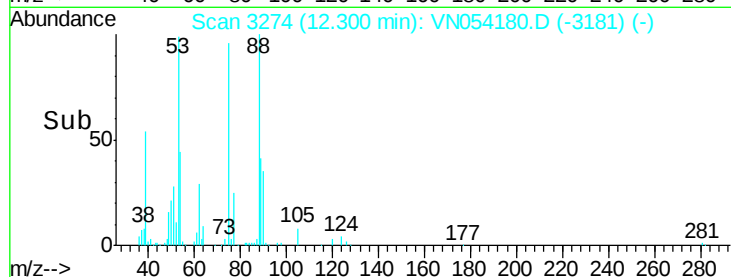
89 46.7 39.2 58.8



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: 19.920 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054180.D

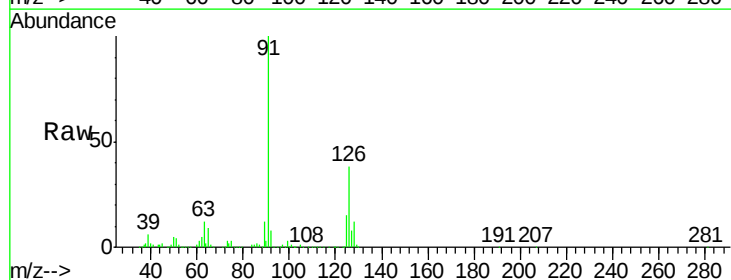
Acq: 12 Mar 2019 23:31

Tgt Ion: 91 Resp: 954452

Ion Ratio Lower Upper

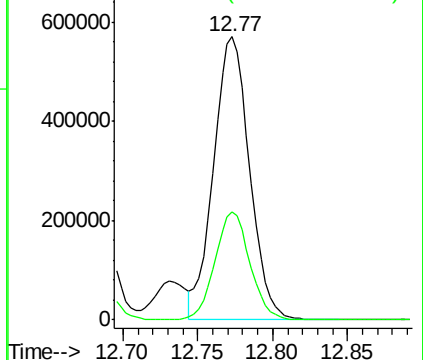
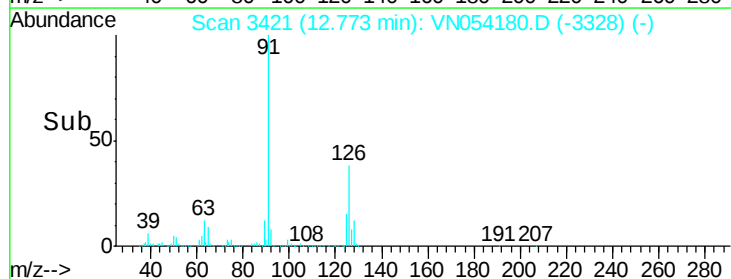
91 100

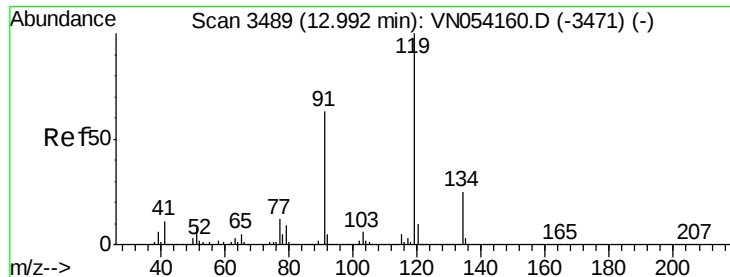
126 36.9 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

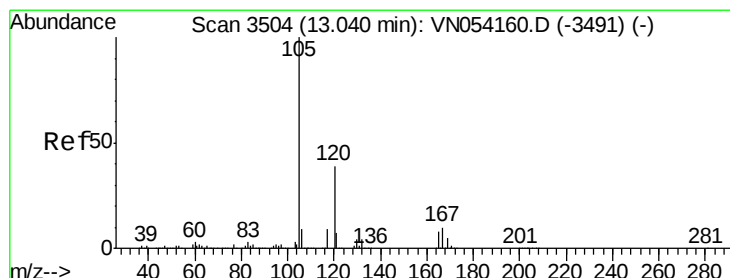
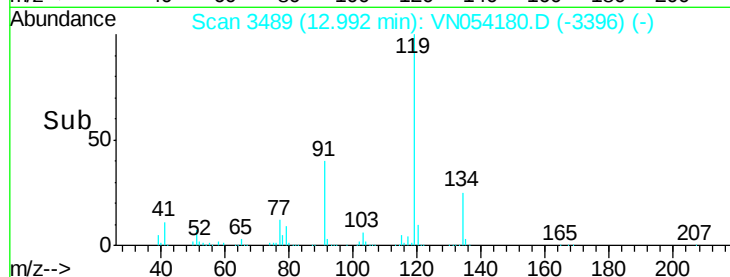
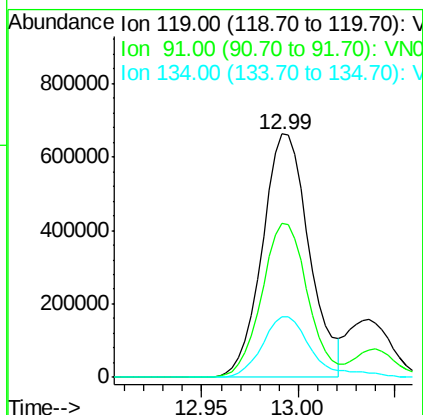
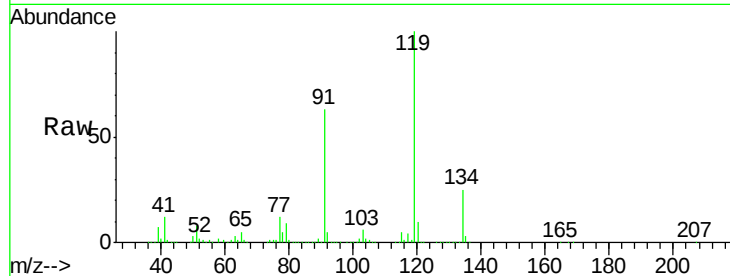




#83
tert-Butylbenzene
Concen: 19.931 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

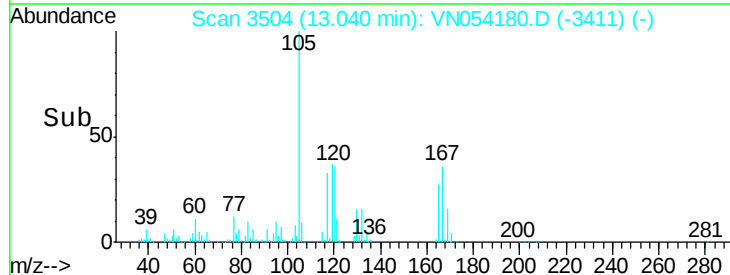
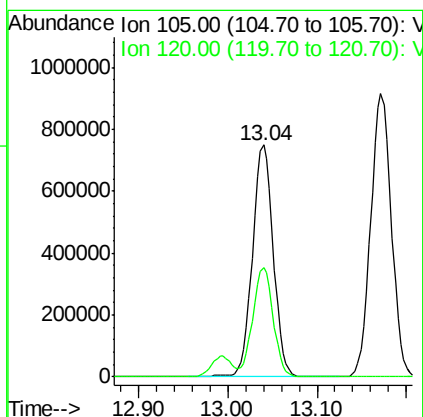
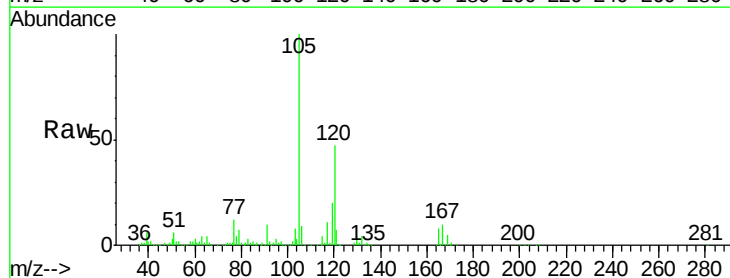
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

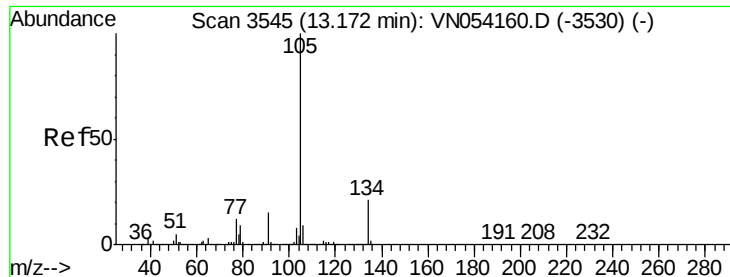
Tot Ion:119 Resp: 1122290
Ion Ratio Lower Upper
119 100
91 62.3 30.9 92.8
134 26.3 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.353 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion:105 Resp: 1221534
Ion Ratio Lower Upper
105 100
120 46.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.010 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

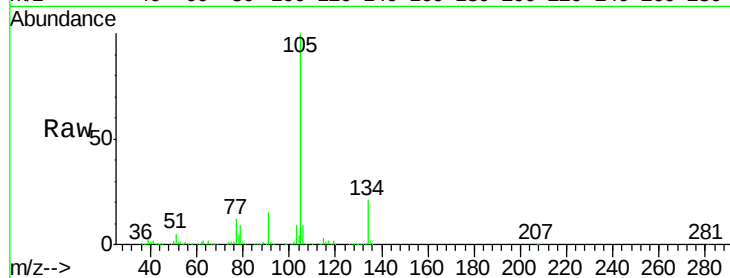
VN0312WBSD02

Tot Ion:105 Resp: 1461283

Ion Ratio Lower Upper

105 100

134 21.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1000000

800000

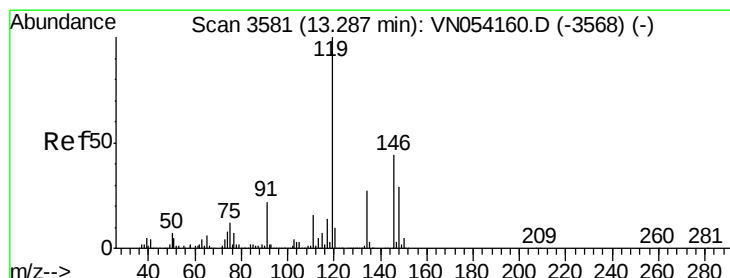
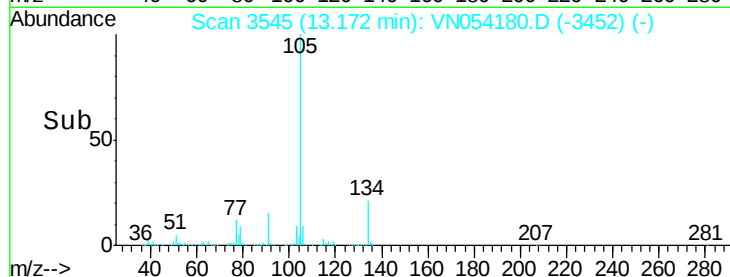
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.009 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

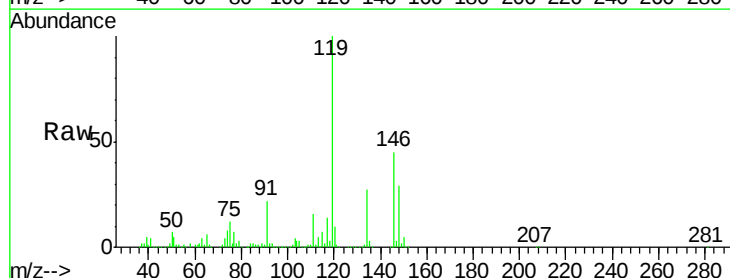
Tgt Ion:119 Resp: 1281881

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.1 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

13.29

1000000

800000

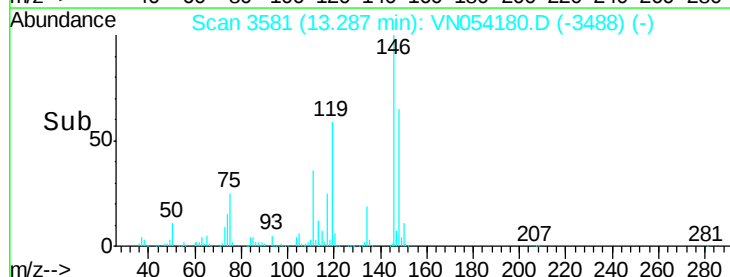
600000

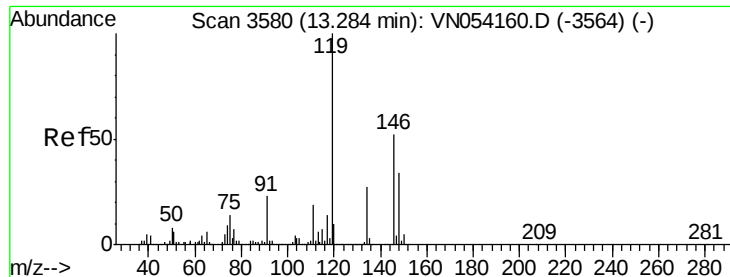
400000

200000

0

Time-->

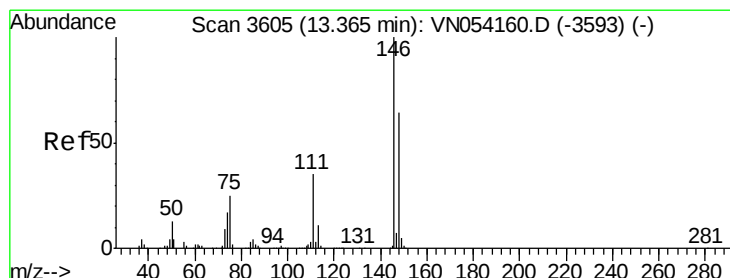
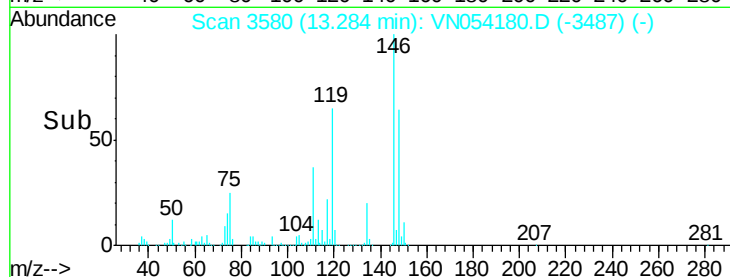
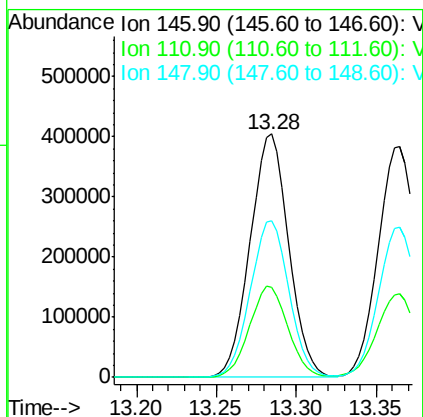
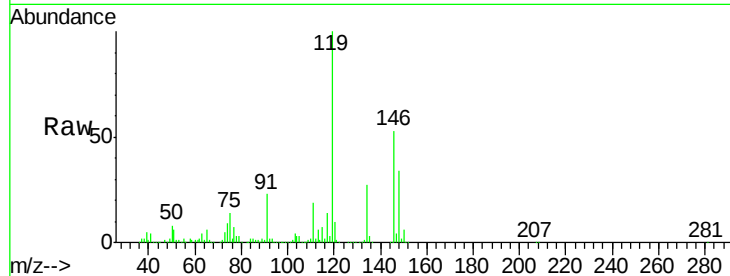




#87
 1,3-Dichlorobenzene
 Concen: 20.430 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

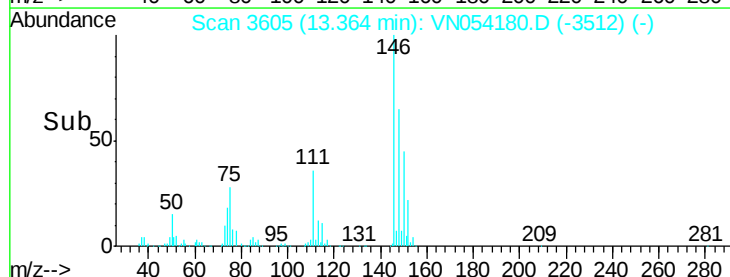
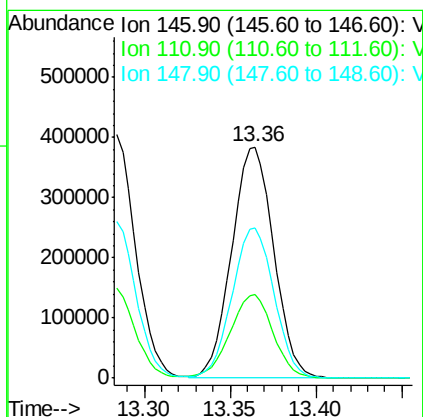
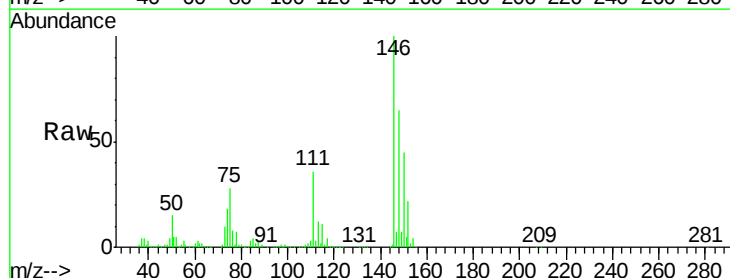
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

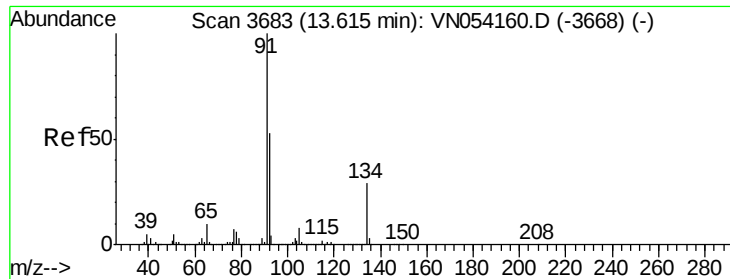
Tot Ion:146 Resp: 669993
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.195 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion:146 Resp: 650615
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 65.1 32.0 96.0

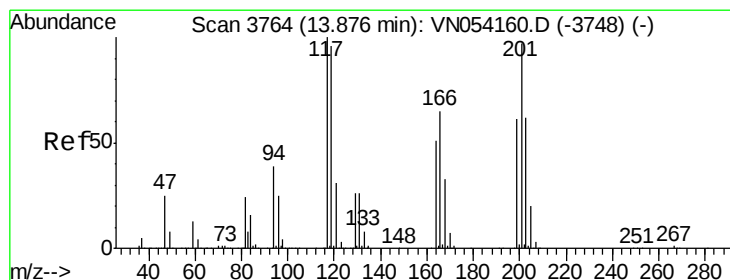
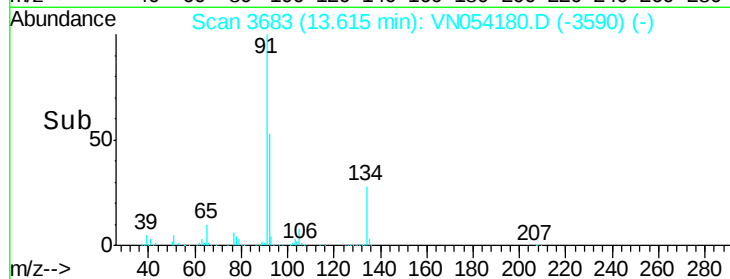
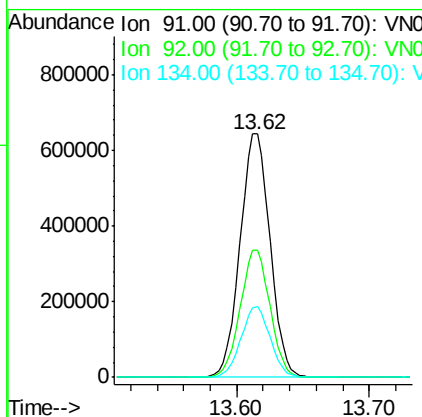
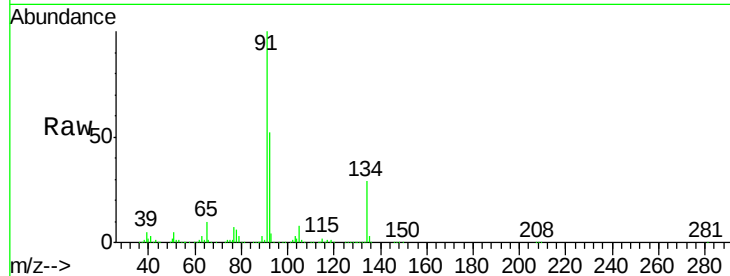




#89
n-Butylbenzene
Concen: 20.732 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

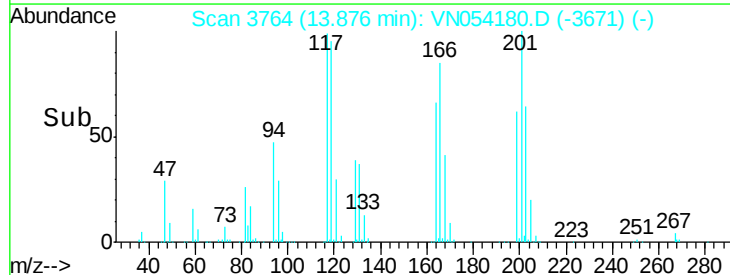
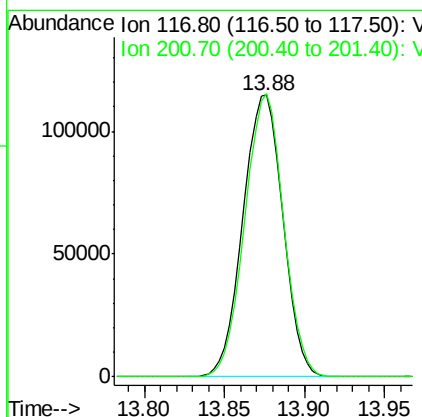
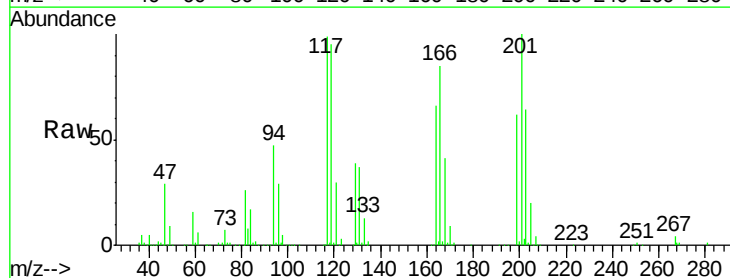
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD02

Tot Ion: 91 Resp: 1009176
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.6
134 28.5 14.3 42.9



#90
Hexachloroethane
Concen: 18.465 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054180.D
Acq: 12 Mar 2019 23:31

Tgt Ion: 117 Resp: 195882
Ion Ratio Lower Upper
117 100
201 97.4 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.631 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD02

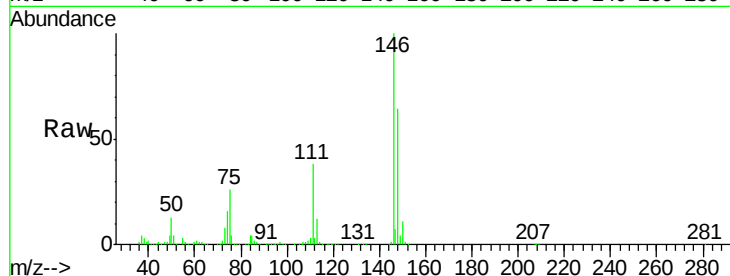
Tot Ion:146 Resp: 661411

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

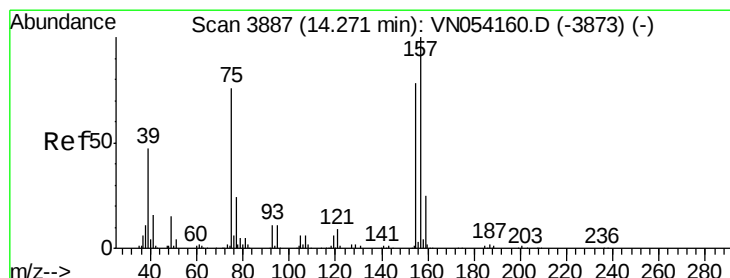
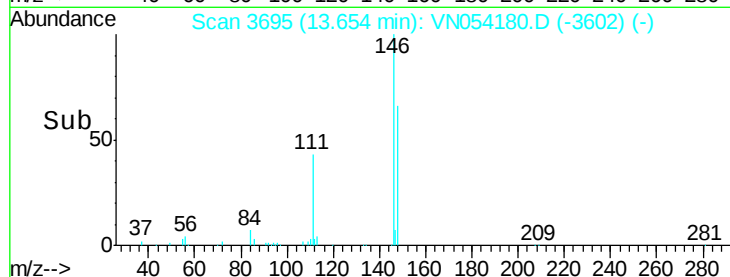
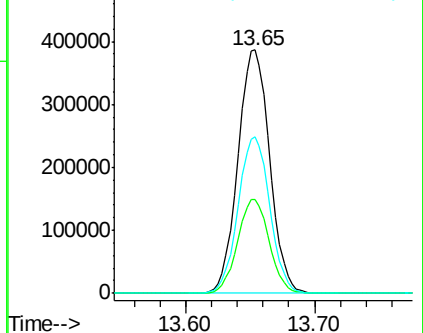
148 64.1 32.4 97.0



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: 20.543 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

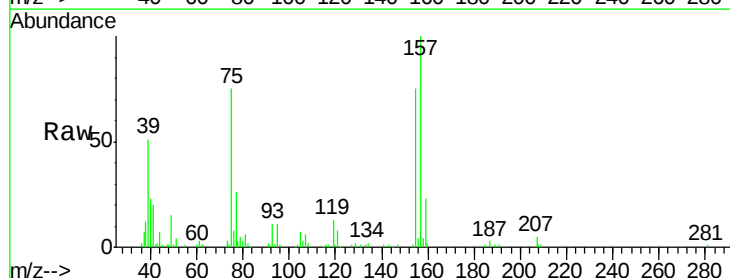
Tgt Ion: 75 Resp: 49812

Ion Ratio Lower Upper

75 100

155 99.0 50.1 150.3

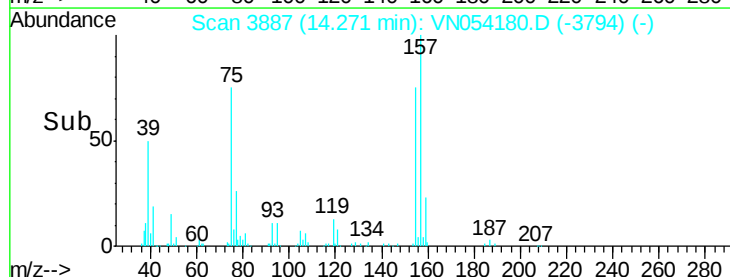
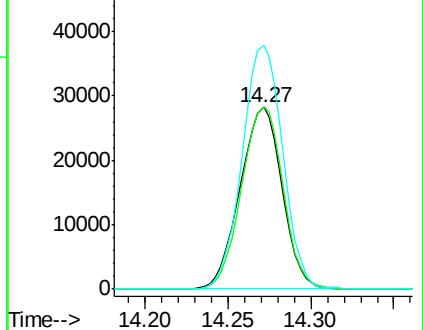
157 129.8 63.1 189.3

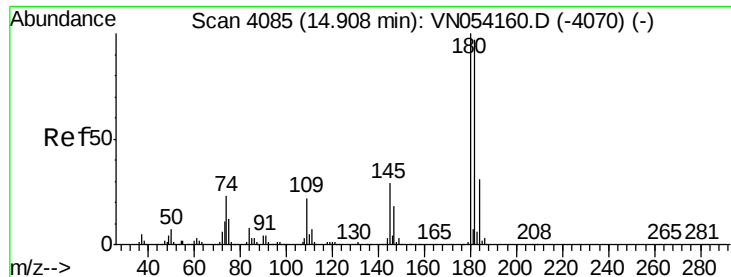


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

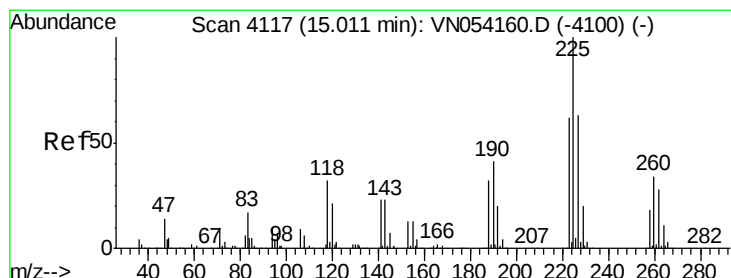
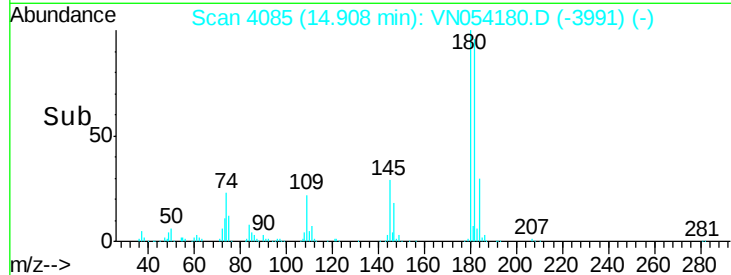
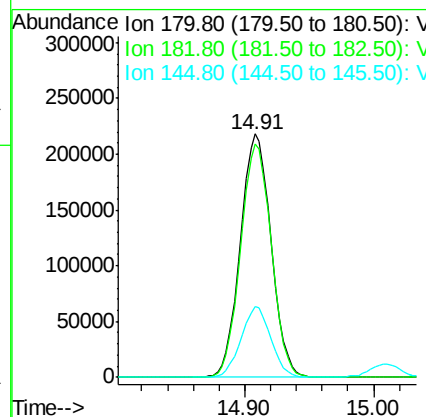
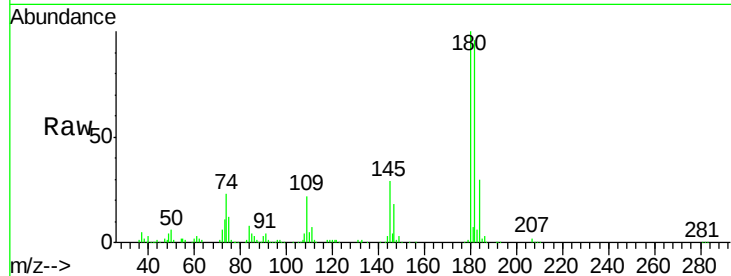




#93
 1,2,4-Trichlorobenzene
 Concen: 20.258 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

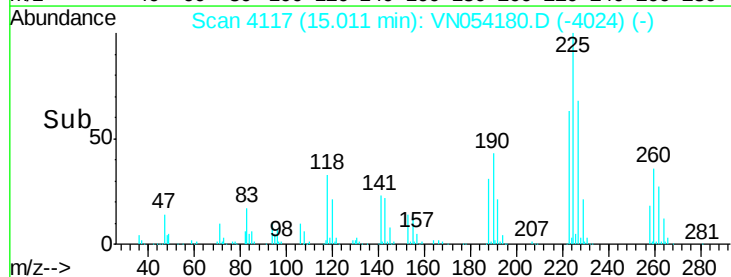
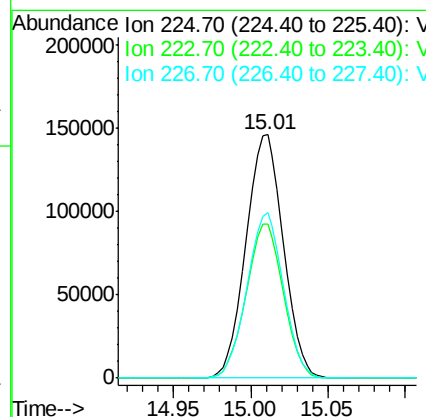
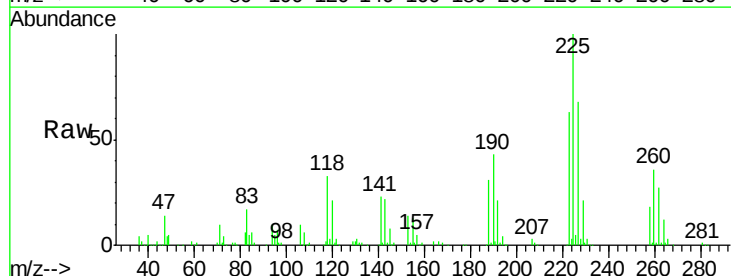
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

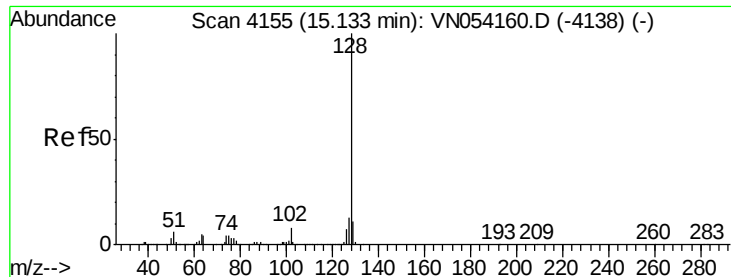
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	27.9	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 20.138 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054180.D
 Acq: 12 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.5
227	66.2	31.9	95.9





#95

Naphthalene

Concen: 20.608 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD02

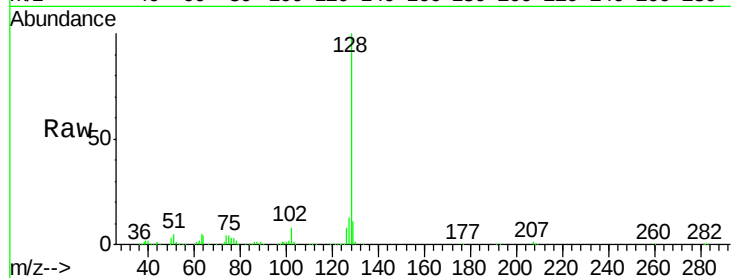
Tot Ion:128 Resp: 742548

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

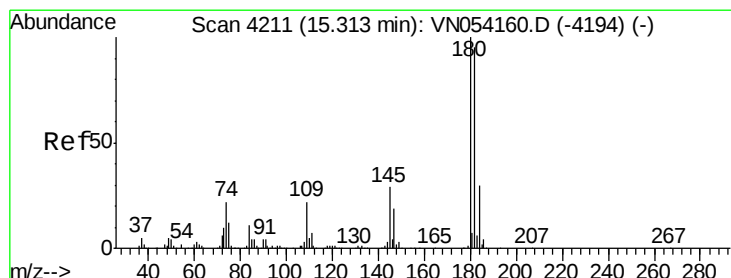
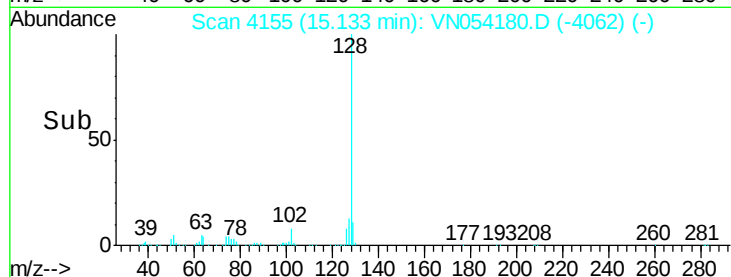
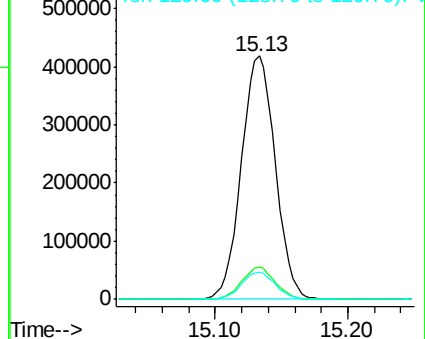
129 11.0 8.7 13.1



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: 21.699 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054180.D

Acq: 12 Mar 2019 23:31

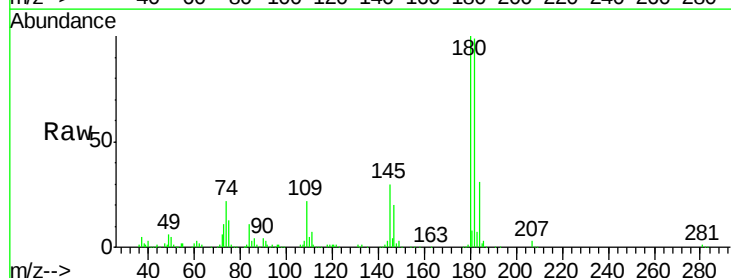
Tgt Ion:180 Resp: 369626

Ion Ratio Lower Upper

180 100

182 97.3 47.5 142.6

145 30.1 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

