

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054169.D
 Acq On : 12 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Quant Time: Mar 13 07:26:30 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	1528265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2262978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1958672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	904817	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	797266	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.59	113	725867	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.09	98	2634931	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	902146	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	318000	21.955	ug/l	99
3) Chloromethane	2.06	50	288699	20.520	ug/l	100
4) Vinyl Chloride	2.19	62	330631	20.560	ug/l	99
5) Bromomethane	2.58	94	227736	20.448	ug/l	95
6) Chloroethane	2.71	64	191331	19.665	ug/l	99
7) Trichlorofluoromethane	3.02	101	425321	19.893	ug/l	99
8) Diethyl Ether	3.41	74	210165	21.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	346047	21.599	ug/l	99
10) Methyl Iodide	3.94	142	420346	19.418	ug/l	99
11) Tert butyl alcohol	4.81	59	110360	99.186	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	343916	21.661	ug/l	98
13) Acrolein	3.61	56	97230	92.219	ug/l	96
14) Allyl chloride	4.32	41	433162	21.264	ug/l	100
15) Acrylonitrile	4.99	53	485701	106.270	ug/l	99
16) Acetone	3.82	43	398658	85.787	ug/l	98
17) Carbon Disulfide	4.04	76	827406	20.789	ug/l	99
18) Methyl Acetate	4.33	43	209019	22.232	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	854740	21.719	ug/l	100
20) Methylene Chloride	4.54	84	324053	21.237	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	323617	21.273	ug/l	95
22) Diisopropyl ether	5.96	45	848948	20.881	ug/l	98
23) Vinyl Acetate	5.90	43	3178037	106.019	ug/l	100
24) 1,1-Dichloroethane	5.85	63	555206	21.268	ug/l	99
25) 2-Butanone	6.85	43	553080	101.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	467379	20.359	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	371588	21.895	ug/l	99
28) Bromochloromethane	7.19	49	219254	20.545	ug/l	98
29) Tetrahydrofuran	7.22	42	361404	103.056	ug/l	99
30) Chloroform	7.37	83	587789	21.578	ug/l	99
31) Cyclohexane	7.65	56	523480	20.730	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	526495	21.401	ug/l	100
36) 1,1-Dichloropropene	7.79	75	441265	21.174	ug/l	99
37) Ethyl Acetate	6.94	43	251008	20.962	ug/l	99
38) Carbon Tetrachloride	7.77	117	452346	20.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	543055	21.179	ug/l	99
40) Benzene	8.04	78	1309297	21.955	ug/l	99
41) Methacrylonitrile	7.18	41	138432	20.247	ug/l	97
42) 1,2-Dichloroethane	8.13	62	436960	21.703	ug/l	99
43) Isopropyl Acetate	8.17	43	448479	21.337	ug/l	99
44) Trichloroethene	8.83	130	405275	21.876	ug/l	99
45) 1,2-Dichloropropane	9.12	63	320666	21.655	ug/l	97
46) Dibromomethane	9.21	93	215525	21.541	ug/l	99
47) Bromodichloromethane	9.40	83	430074	21.442	ug/l	99
48) Methyl methacrylate	9.20	41	221924	20.806	ug/l	97
49) 1,4-Dioxane	9.20	88	61832	409.818	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1175800	105.708	ug/l	99
52) Toluene	10.16	92	816975	21.606	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	418377	19.498	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	493618	21.118	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	301163	21.812	ug/l	96
56) Ethyl methacrylate	10.43	69	340768	20.699	ug/l	99
57) 1,3-Dichloropropane	10.71	76	485805	21.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	622011	98.053	ug/l	100
59) 2-Hexanone	10.75	43	753027	101.743	ug/l	99
60) Dibromochloromethane	10.90	129	327552	21.077	ug/l	100
61) 1,2-Dibromoethane	11.00	107	301569	21.493	ug/l	100
64) Tetrachloroethene	10.63	164	410722	21.688	ug/l	99
65) Chlorobenzene	11.43	112	937700	21.803	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342113	21.898	ug/l	99
67) Ethyl Benzene	11.51	91	1535348	21.536	ug/l	99
68) m/p-Xylenes	11.62	106	1215405	43.619	ug/l	100
69) o-Xylene	11.95	106	595092	21.908	ug/l	100
70) Styrene	11.96	104	924639	21.705	ug/l	99
71) Bromoform	12.13	173	217917	19.788	ug/l	100
73) Isopropylbenzene	12.25	105	1590208	21.967	ug/l	99
74) N-amyl acetate	12.07	43	334741	20.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	335494	21.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	416645	31.313	ug/l #	100
77) Bromobenzene	12.53	156	417171	21.778	ug/l	98
78) n-propylbenzene	12.59	91	1732026	22.050	ug/l	100
79) 2-Chlorotoluene	12.67	91	1040694	22.035	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1305156	21.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72808	18.705	ug/l	93
82) 4-Chlorotoluene	12.77	91	1016579	21.556	ug/l	99
83) tert-Butylbenzene	12.99	119	1216633	21.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1299054	21.991	ug/l	100
85) sec-Butylbenzene	13.17	105	1582368	22.015	ug/l	100
86) p-Isopropyltoluene	13.29	119	1374059	21.791	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	710991	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	690066	21.763	ug/l	99
89) n-Butylbenzene	13.62	91	1053915	21.997	ug/l	100
90) Hexachloroethane	13.88	117	215505	20.640	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	704906	22.339	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50395	21.115	ug/l	99

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

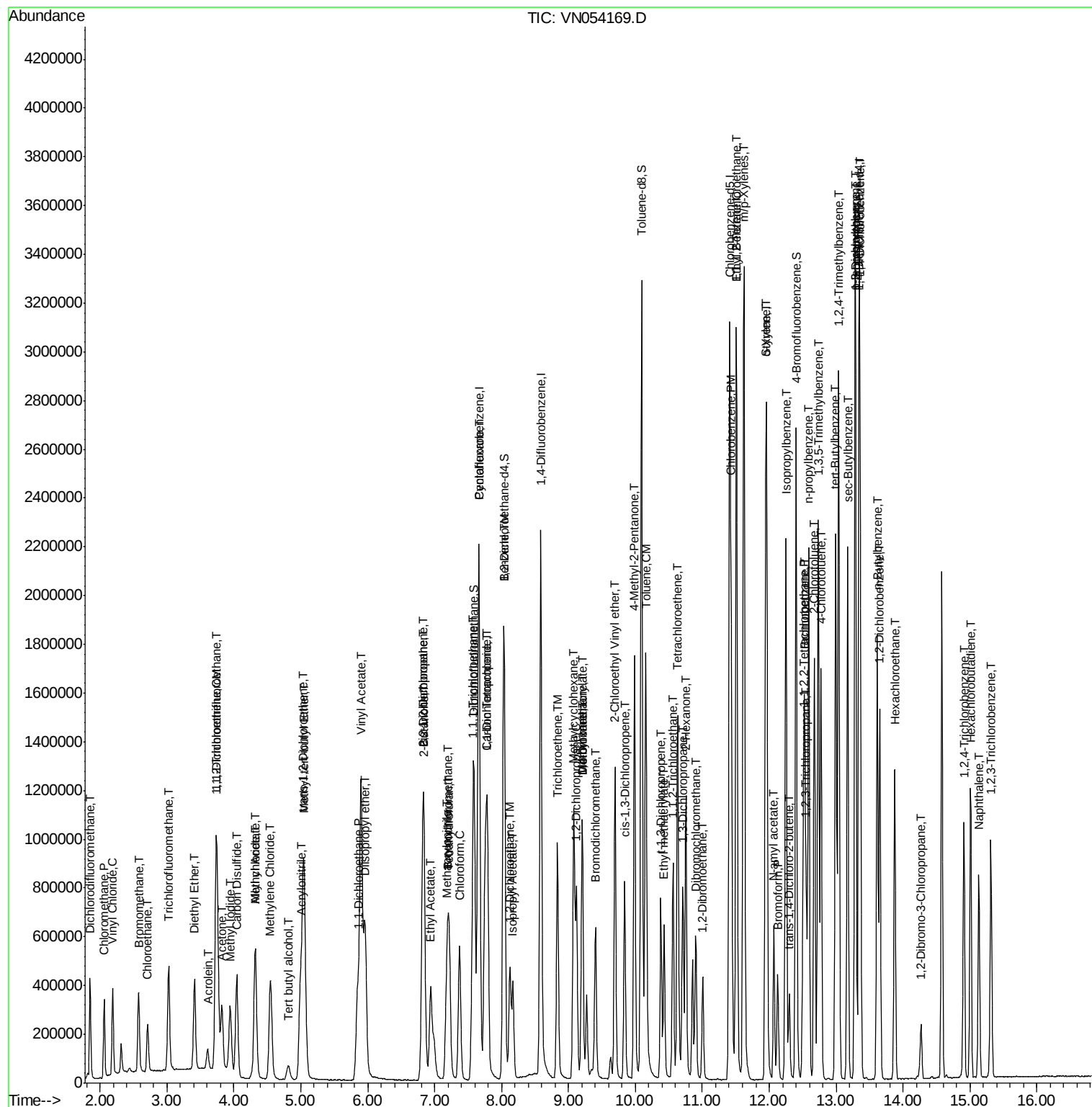
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	380209	21.470	ug/l	98
94) Hexachlorobutadiene	15.01	225	262536	21.843	ug/l	98
95) Naphthalene	15.13	128	741771	20.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	378966	22.604	ug/l	99

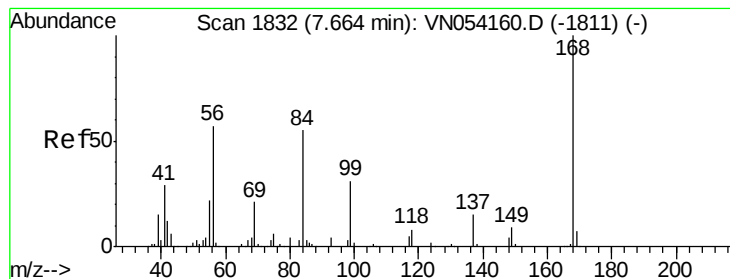
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

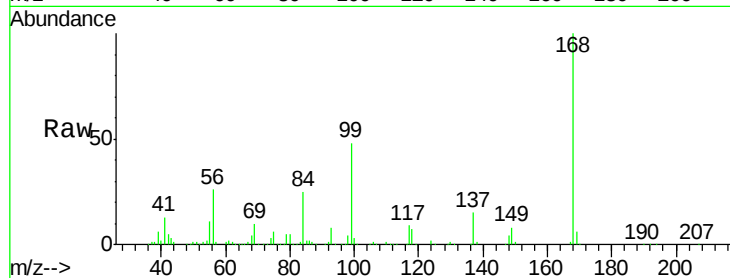
VN0312WBSD01

Tot Ion:168 Resp: 1528265

Ion Ratio Lower Upper

168 100

99 48.3 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

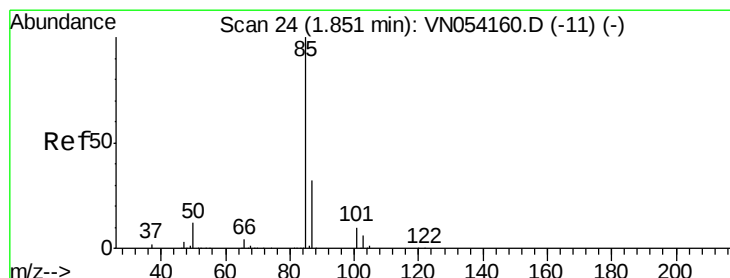
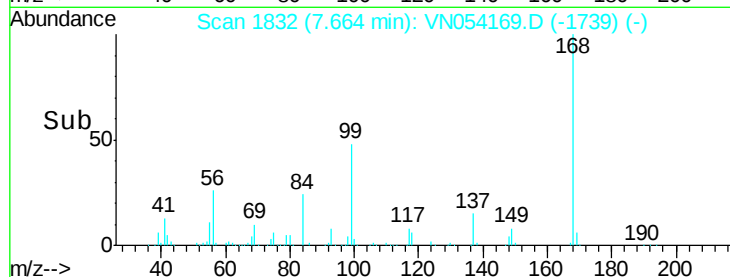
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.955 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054169.D

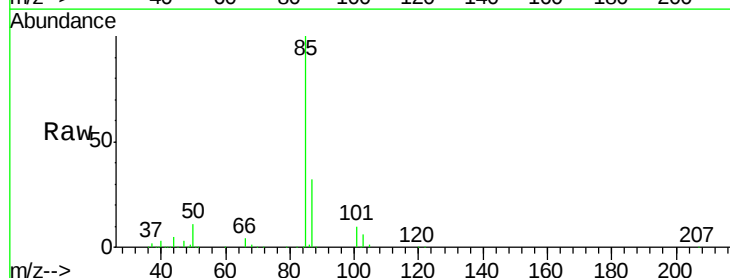
Acq: 12 Mar 2019 17:49

Tgt Ion: 85 Resp: 318000

Ion Ratio Lower Upper

85 100

87 32.5 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

250000

200000

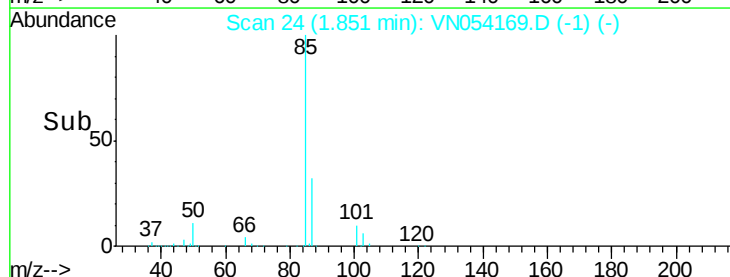
150000

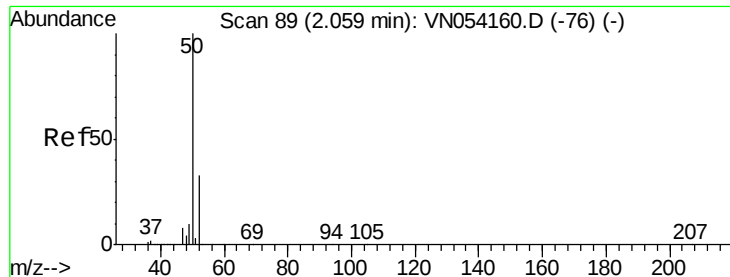
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.520 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

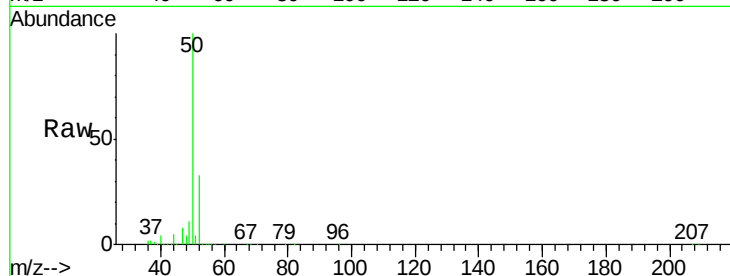
VN0312WBSD01

Tot Ion: 50 Resp: 288699

Ion Ratio Lower Upper

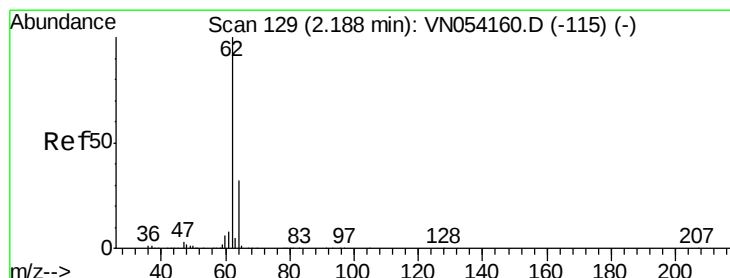
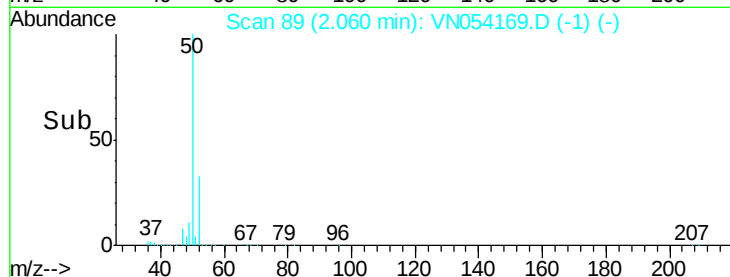
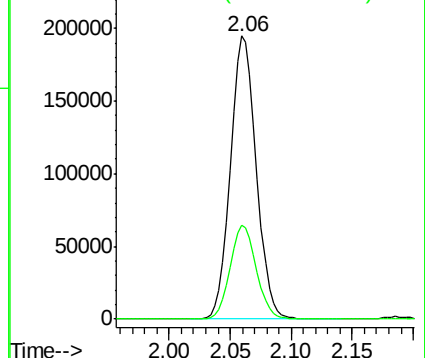
50 100

52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.560 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054169.D

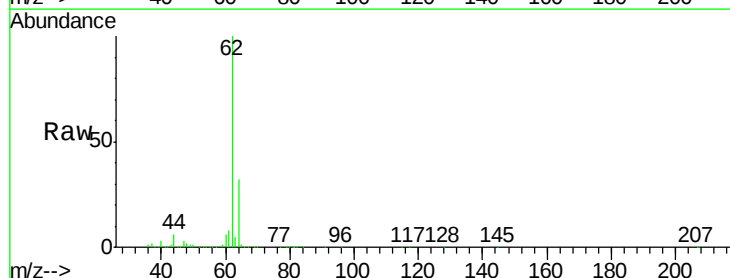
Acq: 12 Mar 2019 17:49

Tgt Ion: 62 Resp: 330631

Ion Ratio Lower Upper

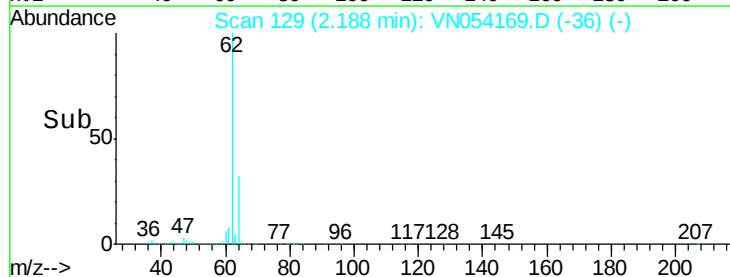
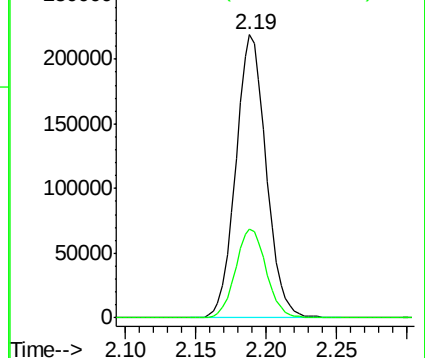
62 100

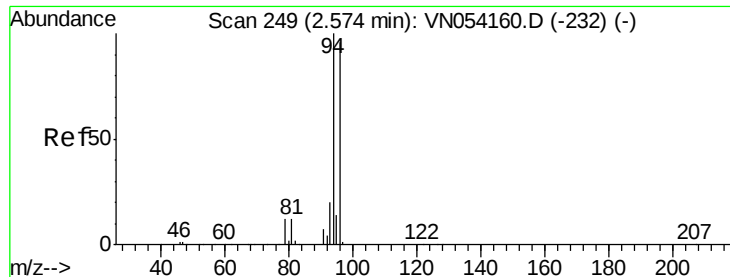
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.448 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

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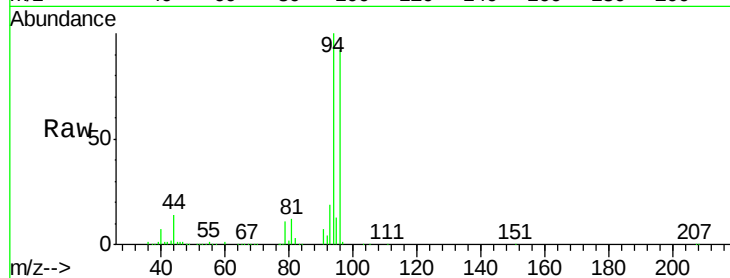
VN0312WBSD01

Tot Ion: 94 Resp: 227736

Ion Ratio Lower Upper

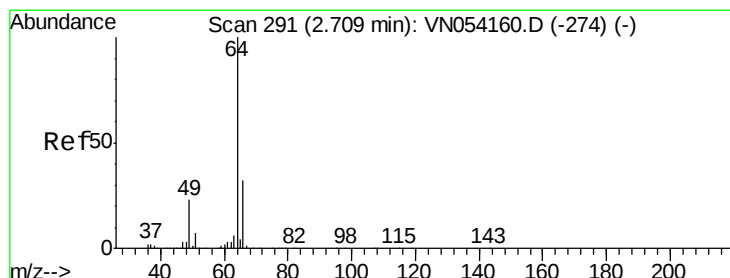
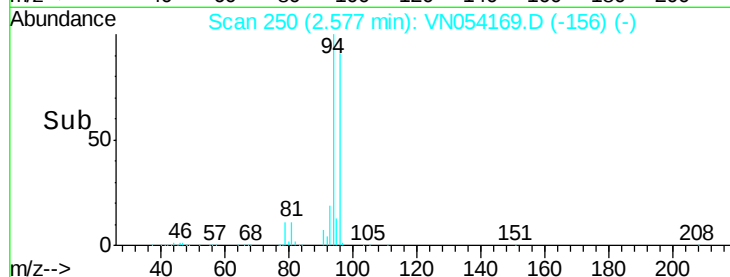
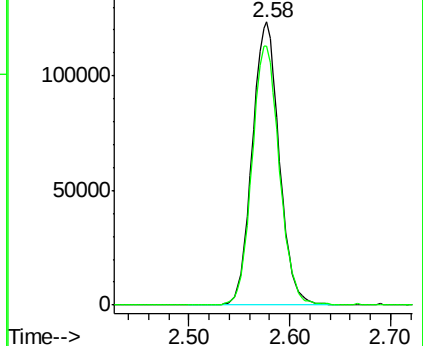
94 100

96 91.5 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: 19.665 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054169.D

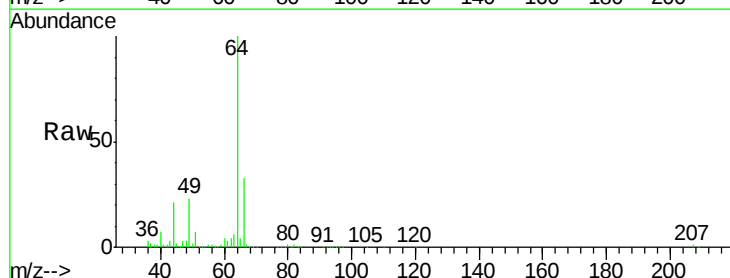
Acq: 12 Mar 2019 17:49

Tgt Ion: 64 Resp: 191331

Ion Ratio Lower Upper

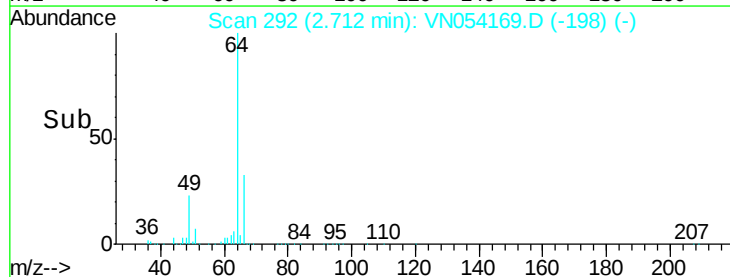
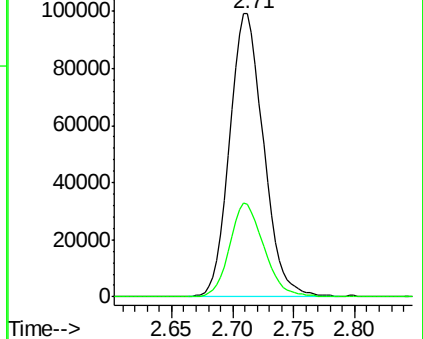
64 100

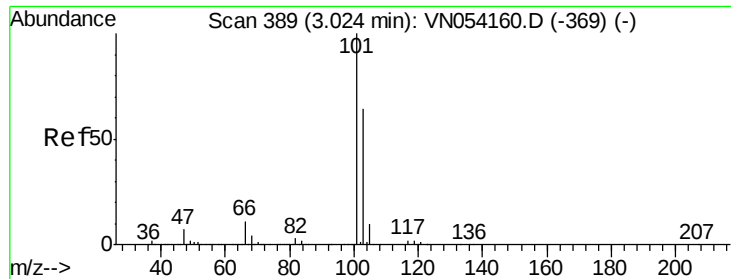
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



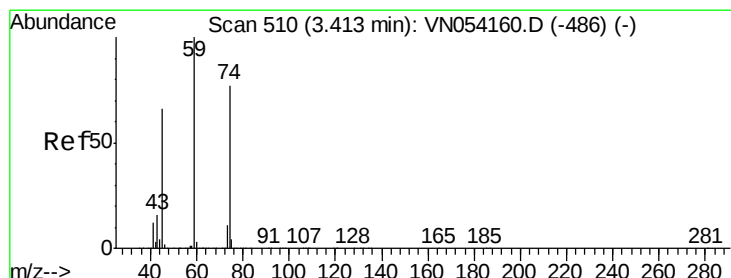
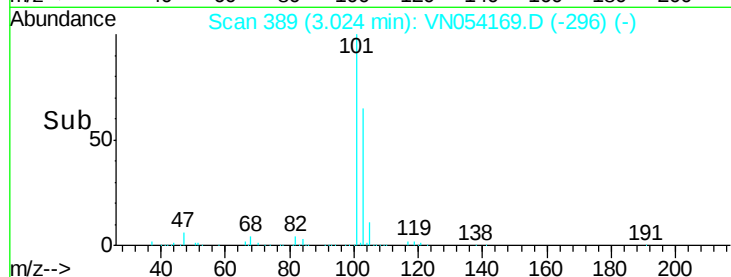
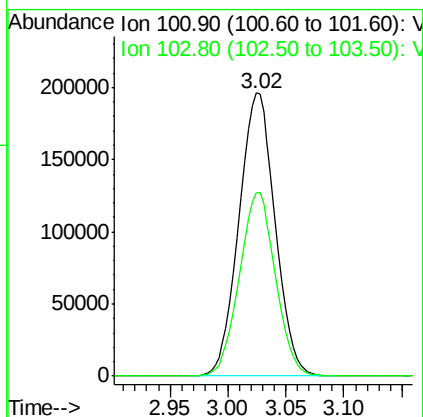
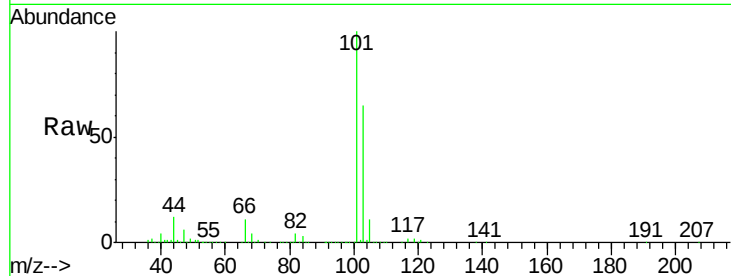


#7

Trichlorofluoromethane
 Concen: 19.893 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

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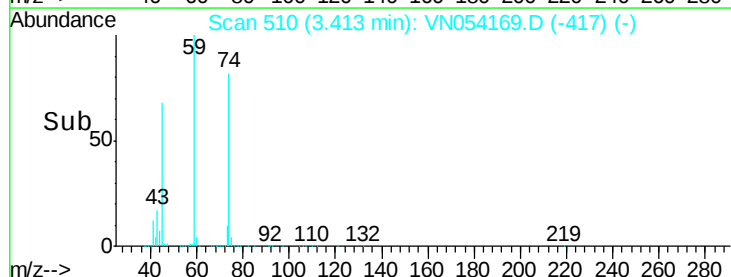
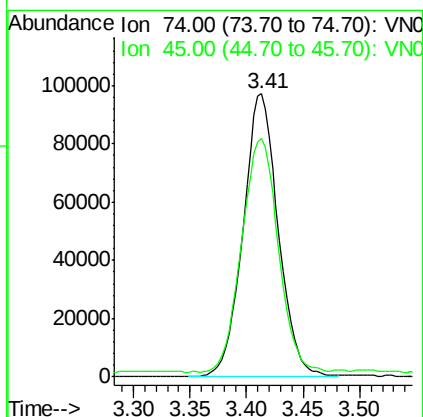
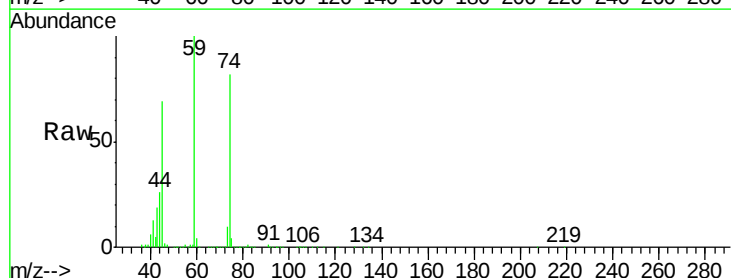
Tot Ion:101 Resp: 425321
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

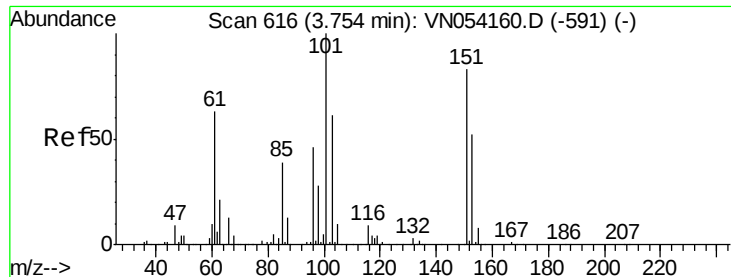


#8

Diethyl Ether
 Concen: 21.571 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 74 Resp: 210165
 Ion Ratio Lower Upper
 74 100
 45 85.6 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.599 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054169.D

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VN0312WBSD01

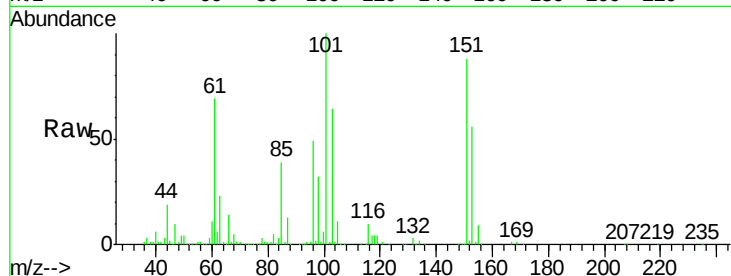
Tot Ion:101 Resp: 346047

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

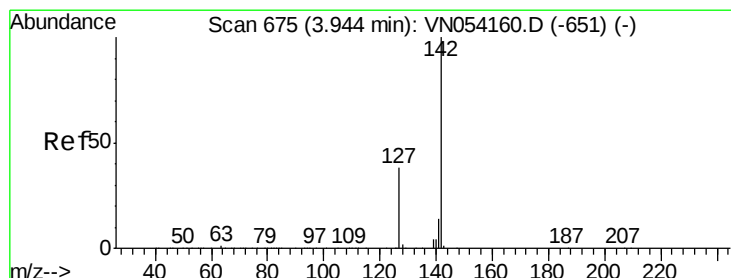
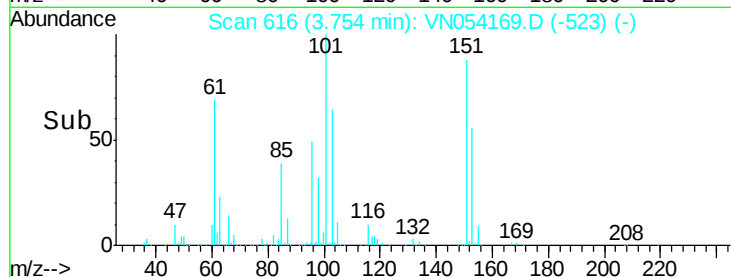
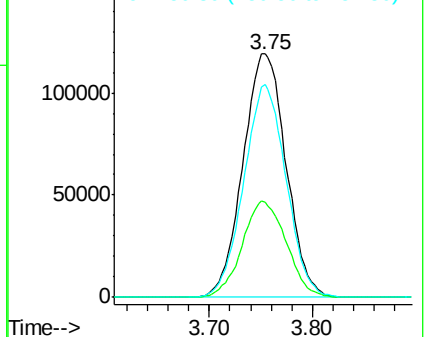
151 86.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.418 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

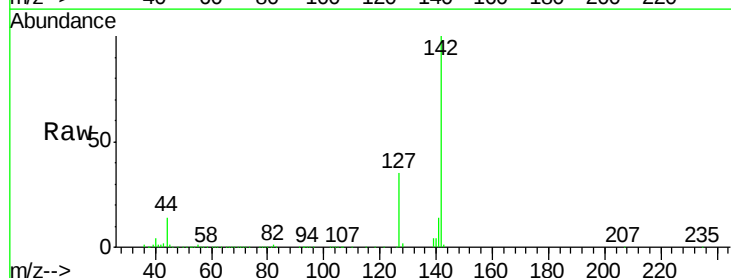
Tgt Ion:142 Resp: 420346

Ion Ratio Lower Upper

142 100

127 36.9 30.3 45.5

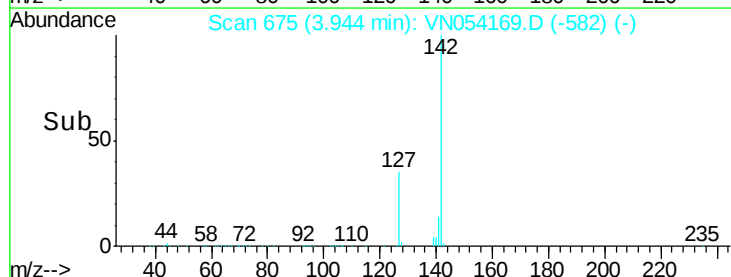
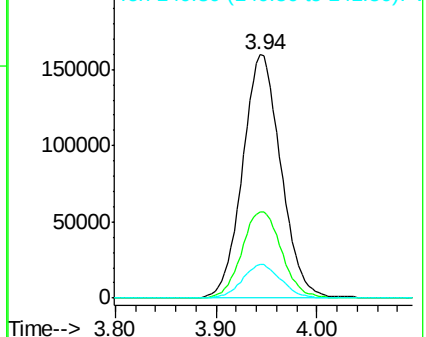
141 13.9 11.2 16.8

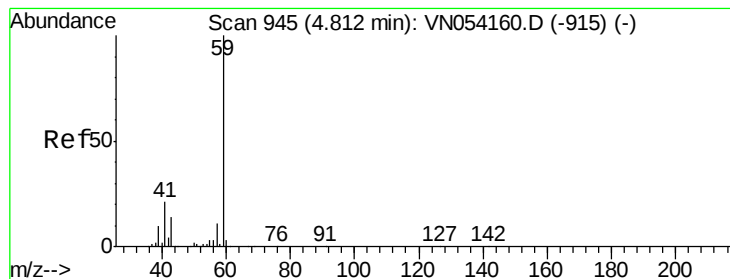


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



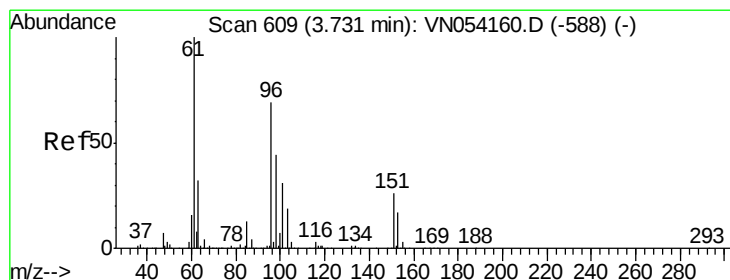
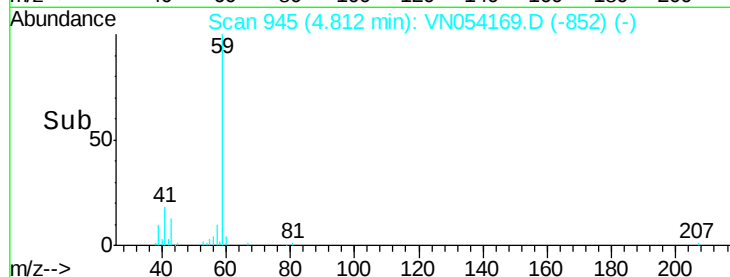
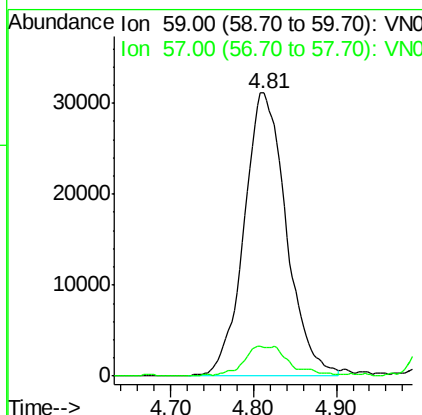
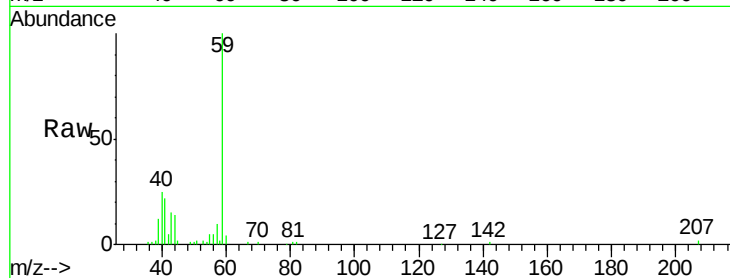


#11

Tert butyl alcohol
 Concen: 99.186 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

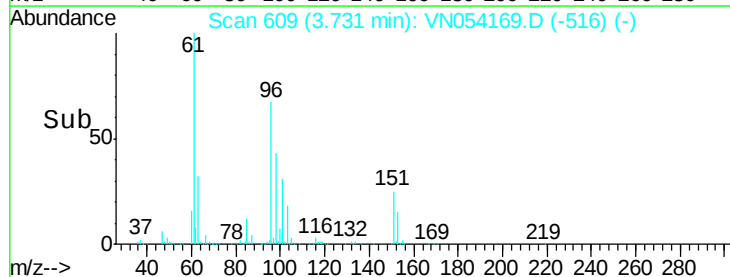
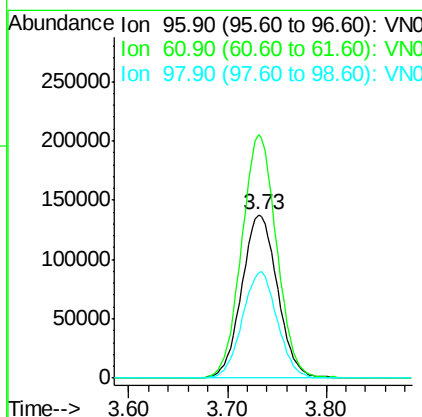
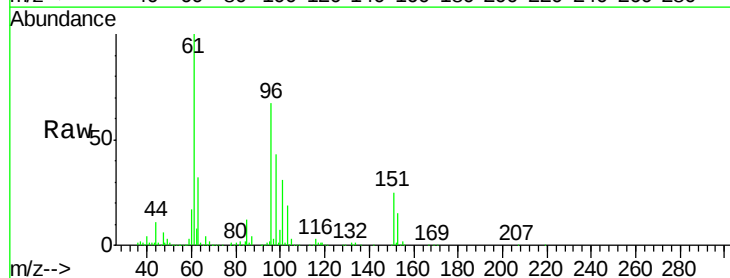
Tot Ion: 59 Resp: 110360
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.0 13.6#

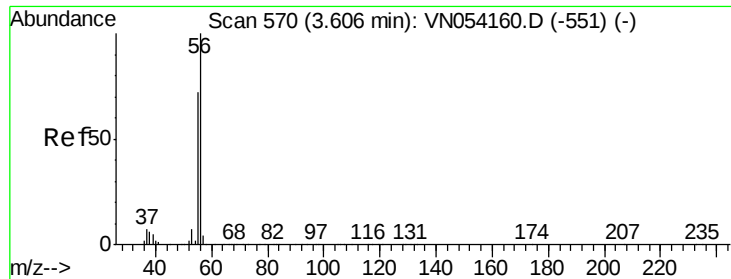


#12

1,1-Dichloroethene
 Concen: 21.661 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 96 Resp: 343916
 Ion Ratio Lower Upper
 96 100
 61 149.4 116.5 174.7
 98 64.7 51.0 76.4





#13

Acrolein

Concen: 92.219 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

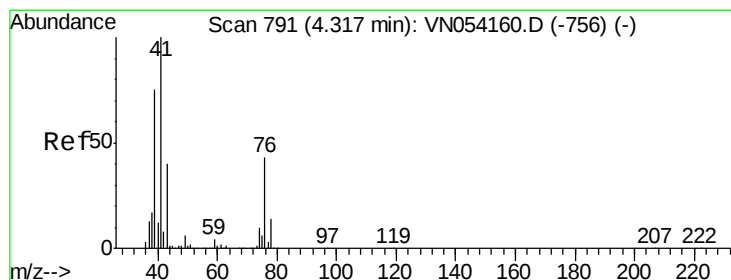
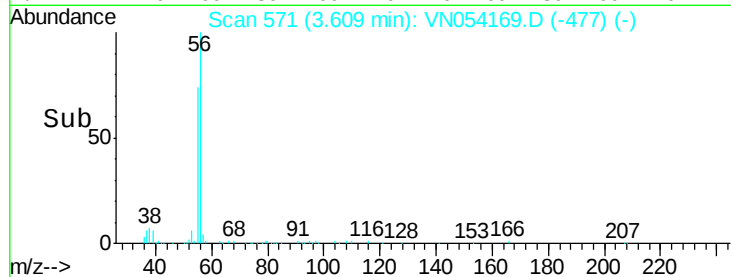
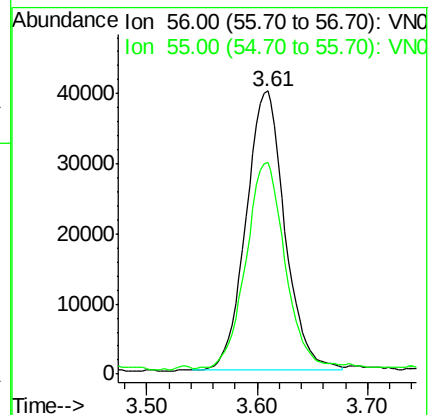
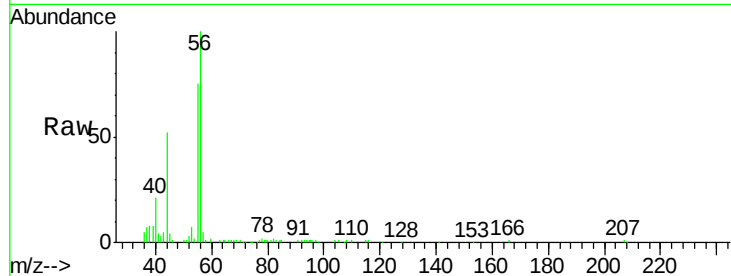
VN0312WBSD01

Tot Ion: 56 Resp: 97230

Ion Ratio Lower Upper

56 100

55 74.5 56.7 85.1



#14

Allyl chloride

Concen: 21.264 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

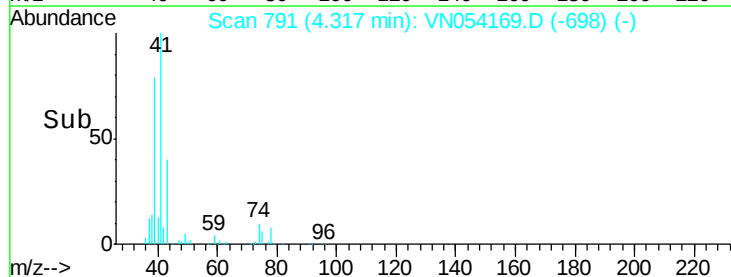
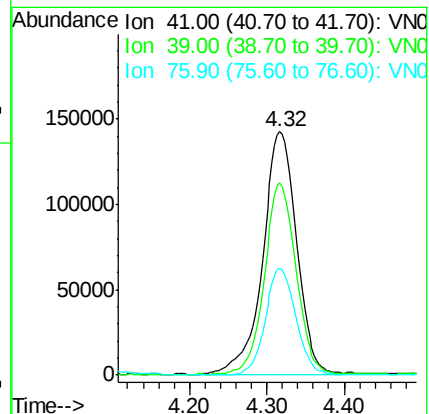
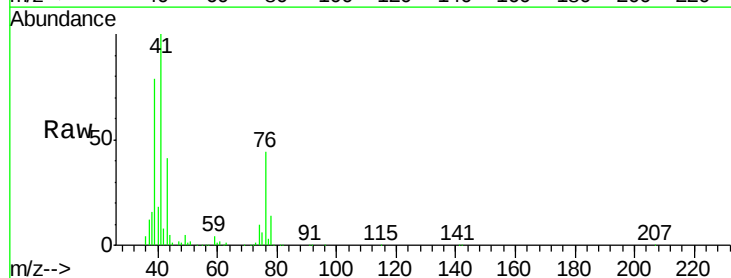
Tgt Ion: 41 Resp: 433162

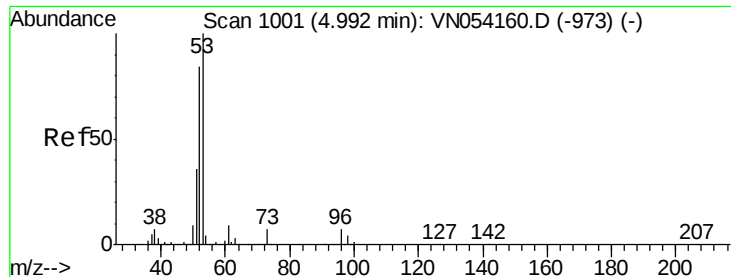
Ion Ratio Lower Upper

41 100

39 73.0 58.2 87.4

76 39.3 31.7 47.5

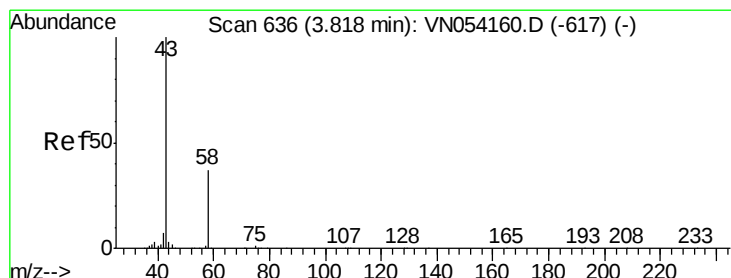
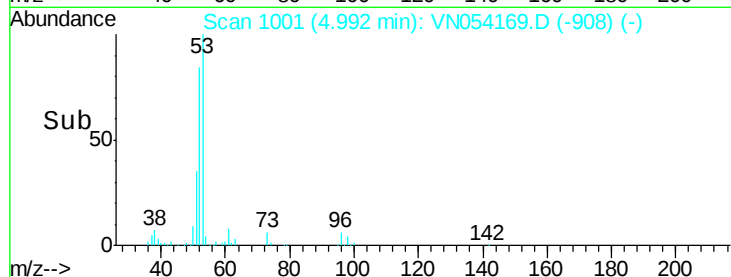
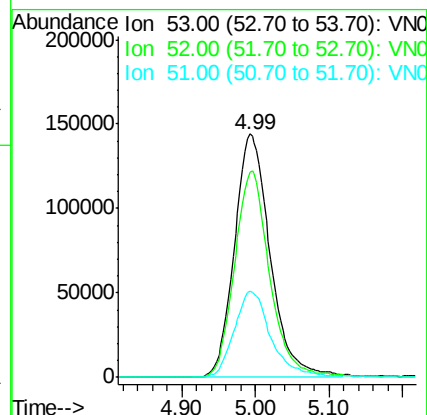
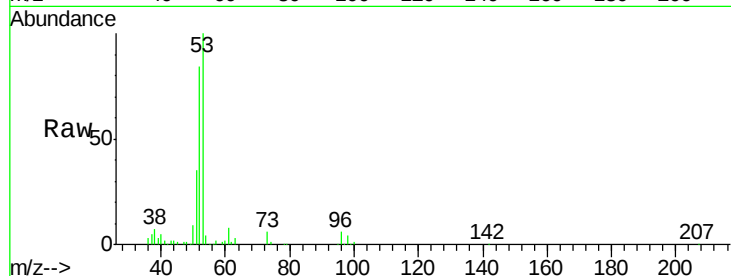




#15
 Acrylonitrile
 Concen: 106.270 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

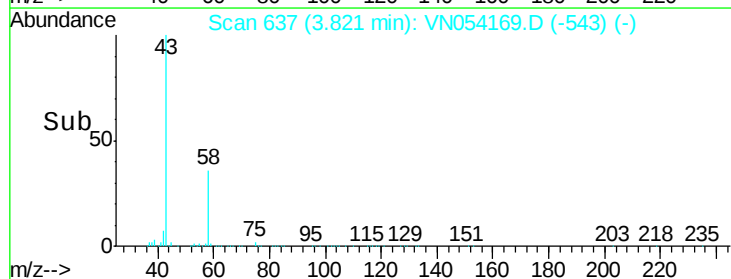
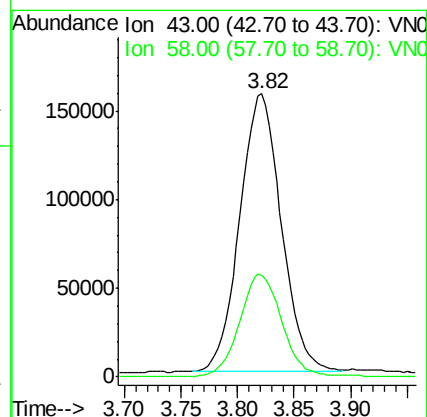
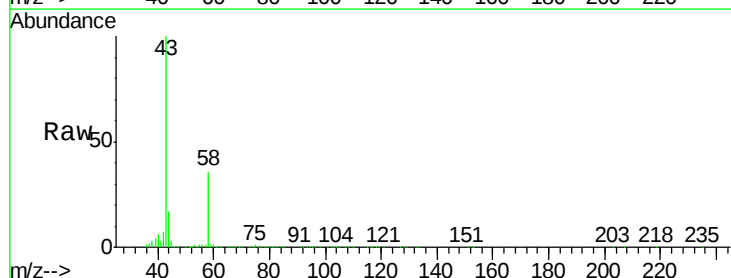
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

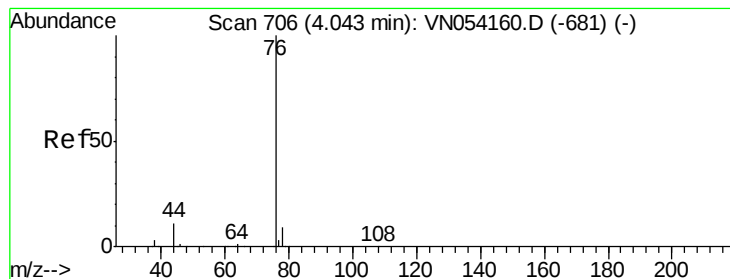
Tot Ion: 53 Resp: 485701
 Ion Ratio Lower Upper
 53 100
 52 82.6 66.4 99.6
 51 36.5 29.6 44.4



#16
 Acetone
 Concen: 85.787 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 43 Resp: 398658
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.9 44.9





#17

Carbon Disulfide

Concen: 20.789 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

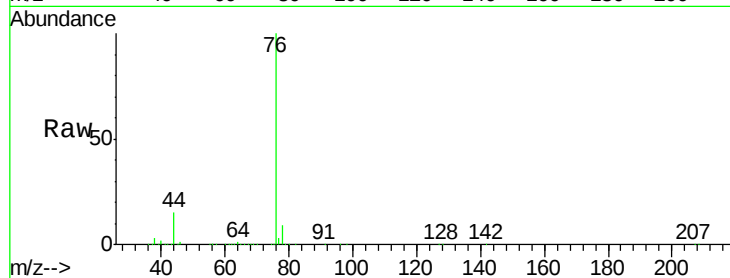
VN0312WBSD01

Tot Ion: 76 Resp: 827406

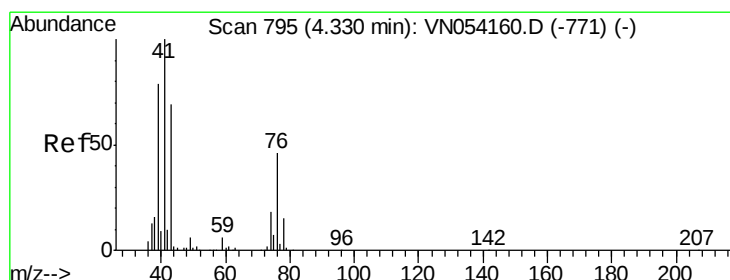
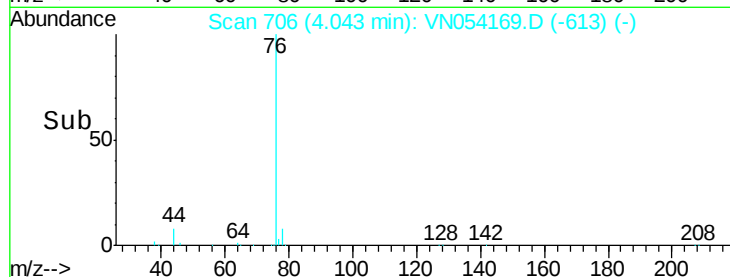
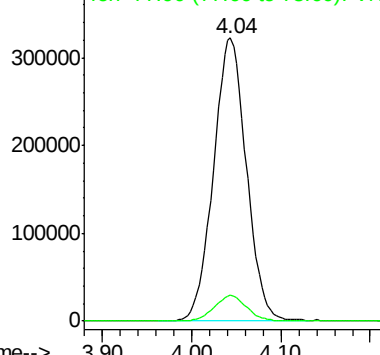
Ion Ratio Lower Upper

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: 22.232 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054169.D

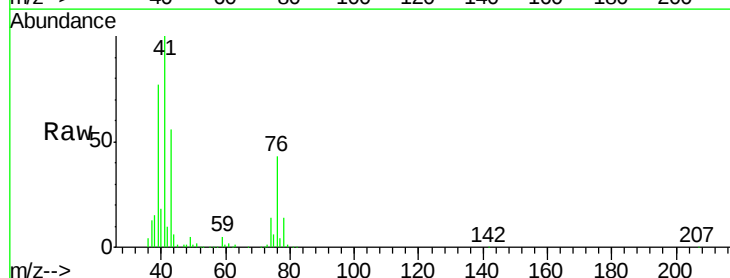
Acq: 12 Mar 2019 17:49

Tgt Ion: 43 Resp: 209019

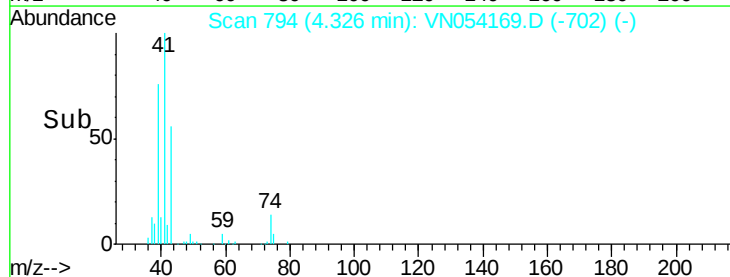
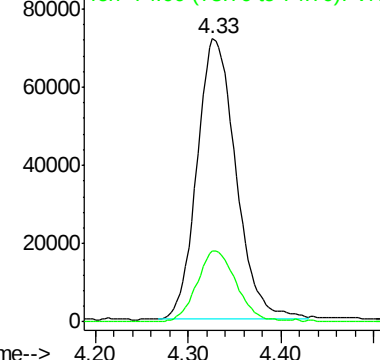
Ion Ratio Lower Upper

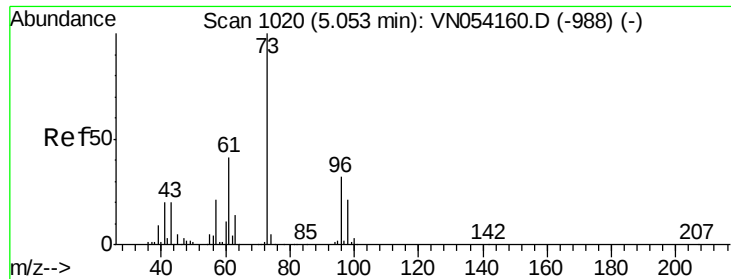
43 100

74 25.7 20.8 31.2



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



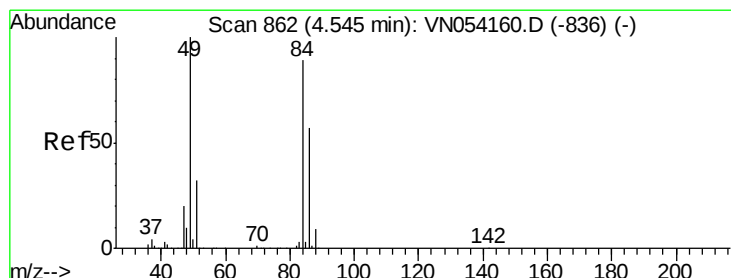
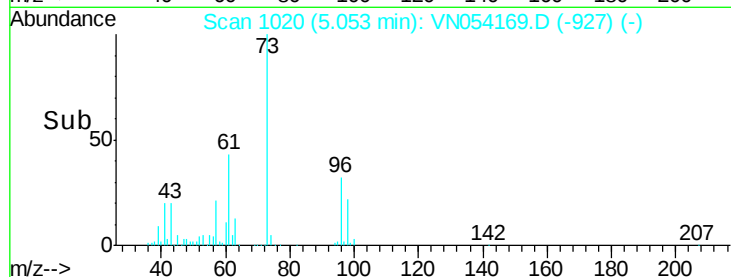
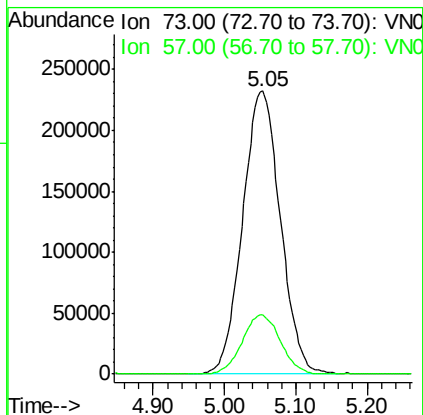
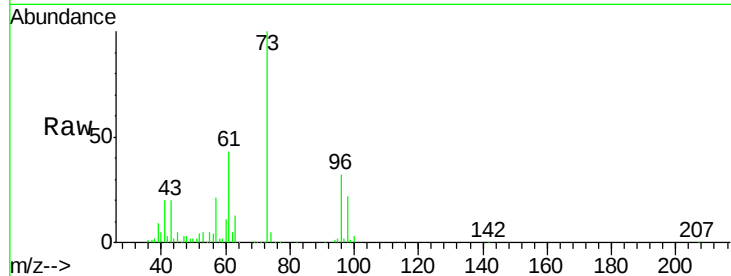


#19

Methyl tert-butyl Ether
 Concen: 21.719 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0312WBSD01

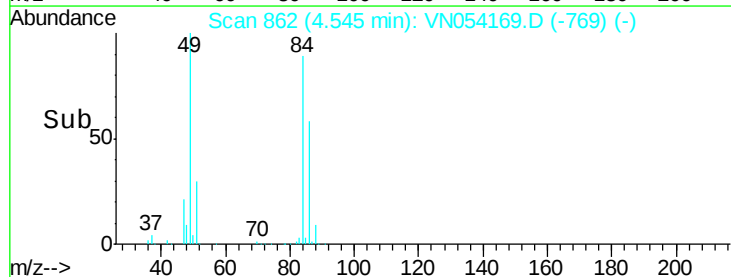
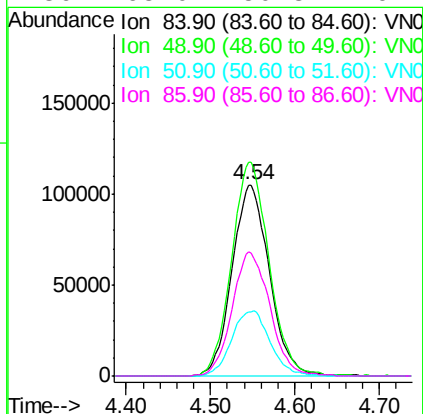
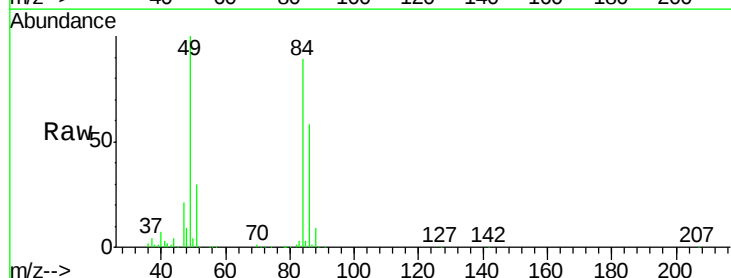
Tot Ion: 73 Resp: 854740
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.8 25.2

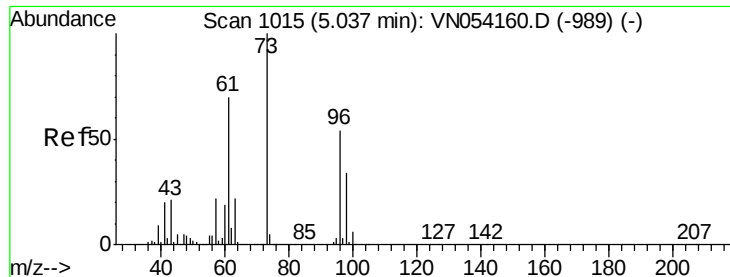


#20

Methylene Chloride
 Concen: 21.237 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 84 Resp: 324053
 Ion Ratio Lower Upper
 84 100
 49 111.5 89.7 134.5
 51 33.4 28.2 42.4
 86 65.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.273 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

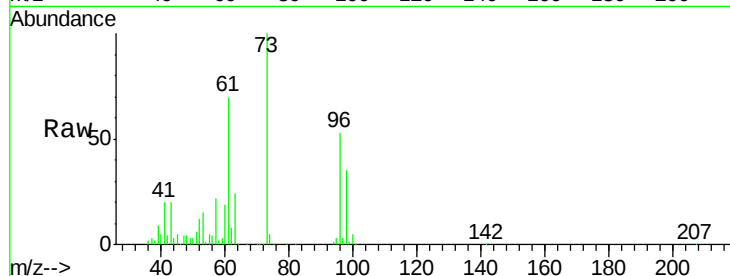
Tot Ion: 96 Resp: 323617

Ion Ratio Lower Upper

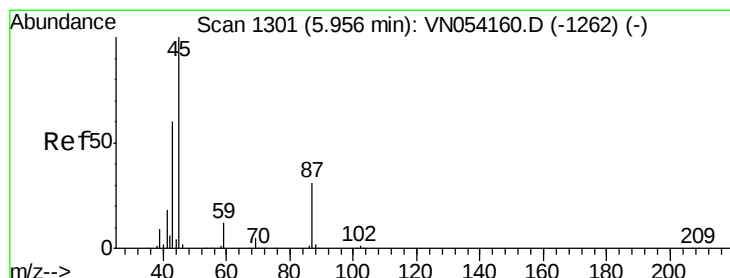
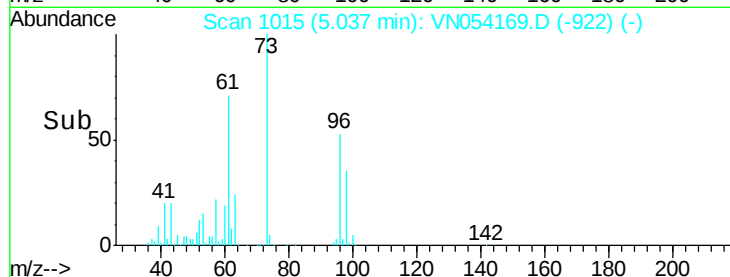
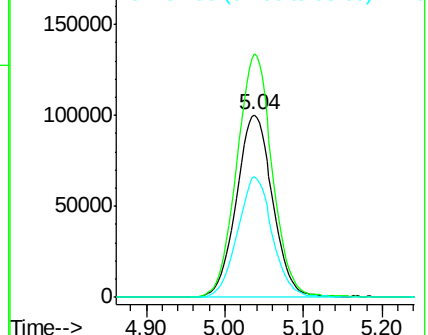
96 100

61 133.5 102.8 154.2

98 66.2 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: 20.881 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion: 45 Resp: 848948

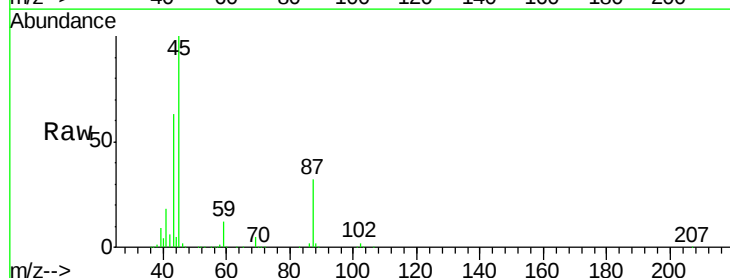
Ion Ratio Lower Upper

45 100

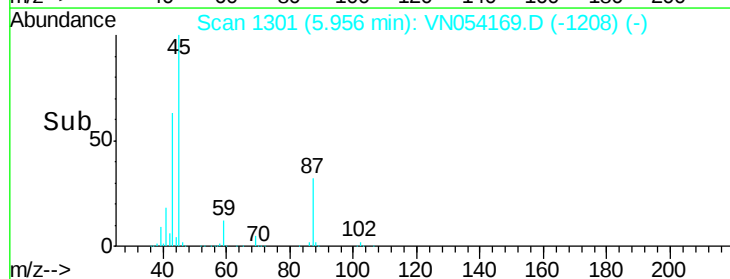
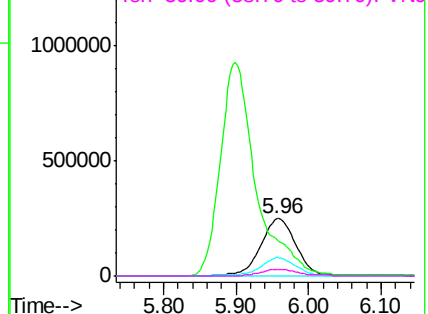
43 62.2 48.2 72.2

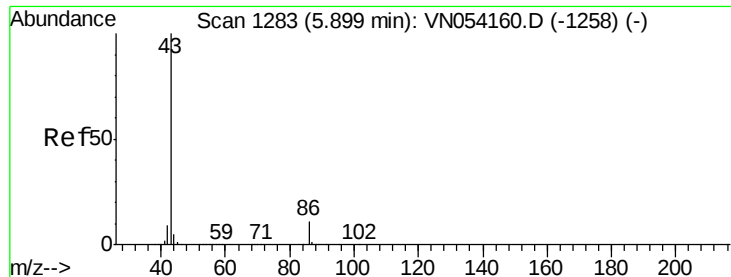
87 31.8 24.9 37.3

59 11.1 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: 106.019 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

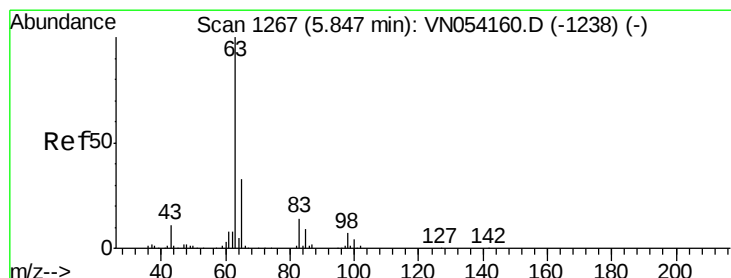
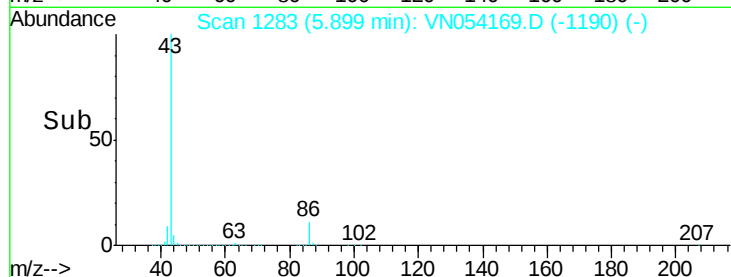
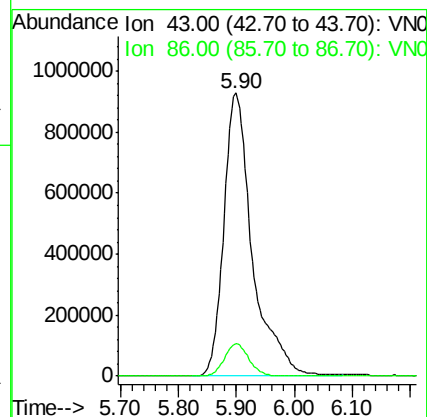
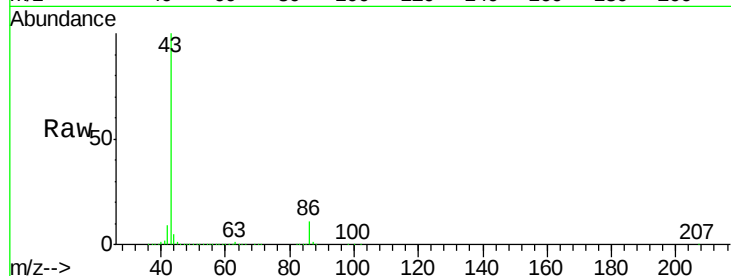
VN0312WBSD01

Tot Ion: 43 Resp: 3178037

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 21.268 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

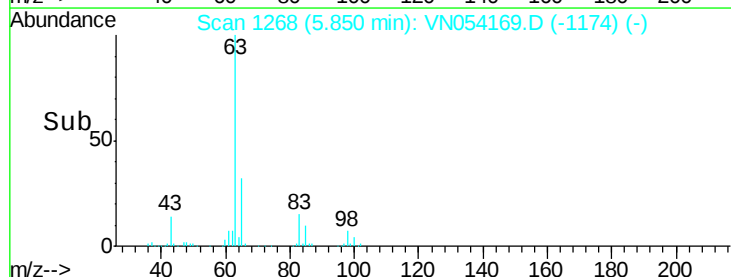
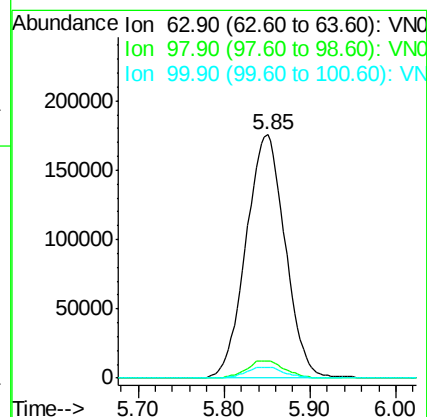
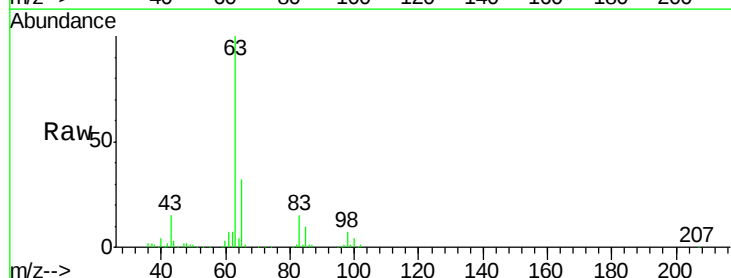
Tgt Ion: 63 Resp: 555206

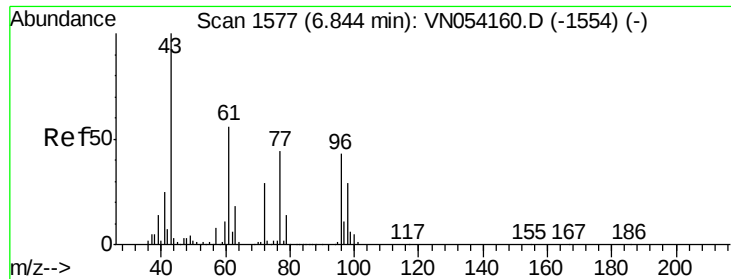
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.5 2.0 6.0

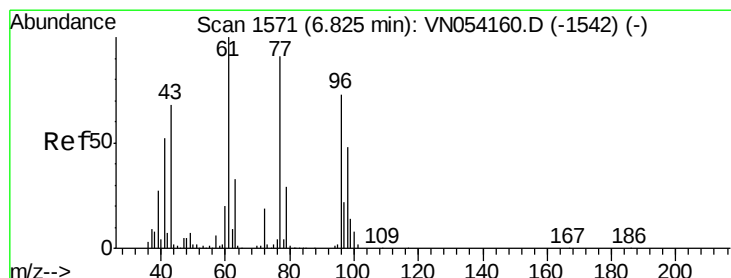
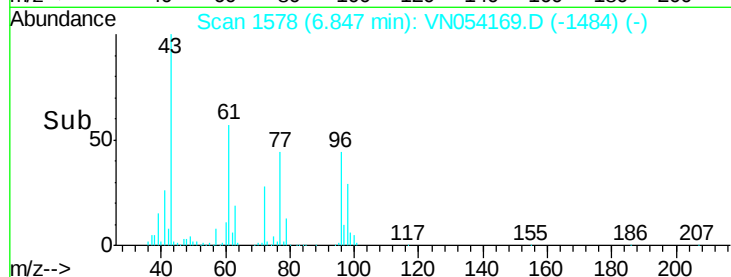
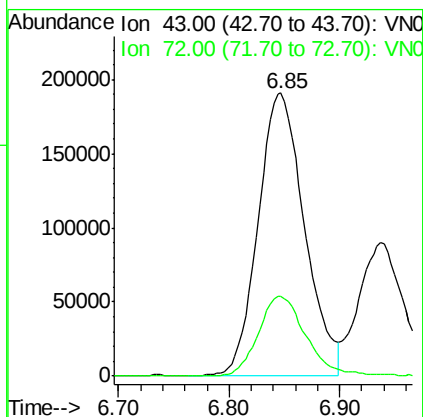
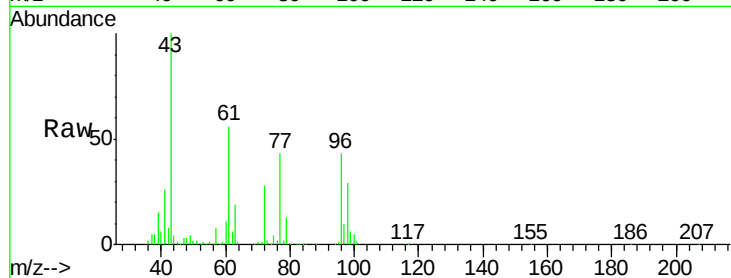




#25
2-Butanone
Concen: 101.403 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

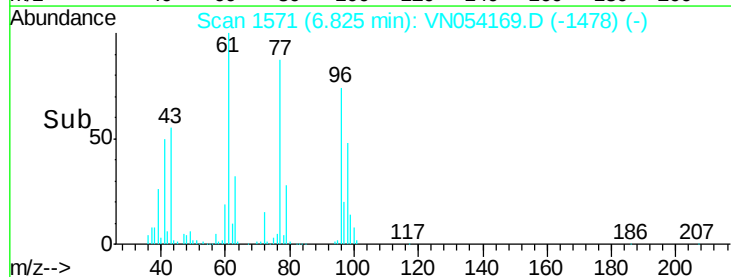
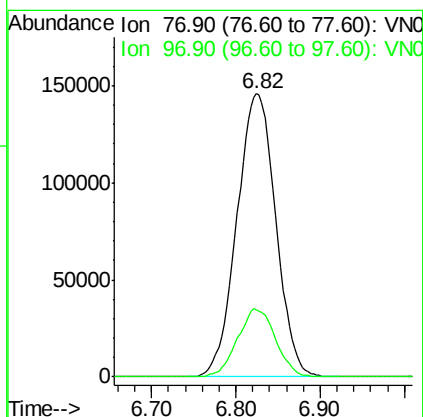
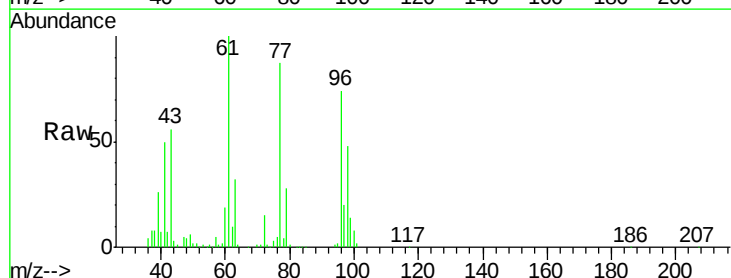
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

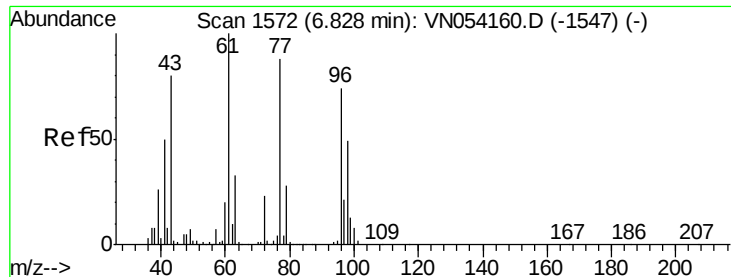
Tot Ion: 43 Resp: 553080
Ion Ratio Lower Upper
43 100
72 28.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 20.359 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 77 Resp: 467379
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.895 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

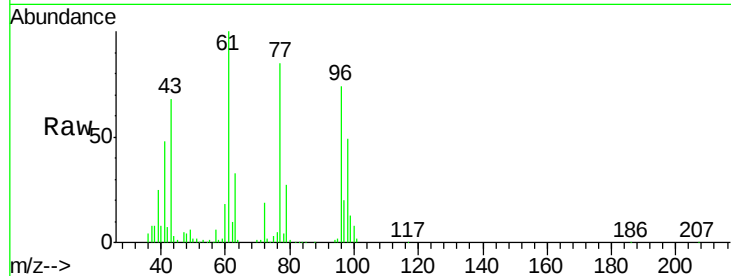
Tot Ion: 96 Resp: 371588

Ion Ratio Lower Upper

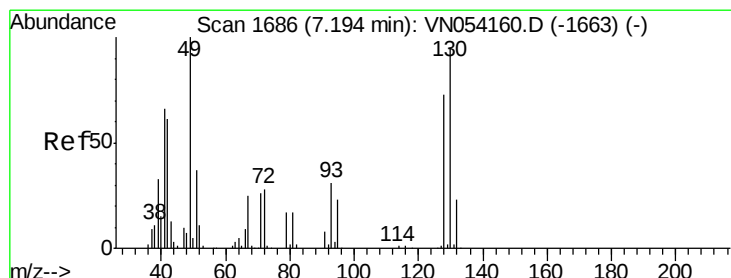
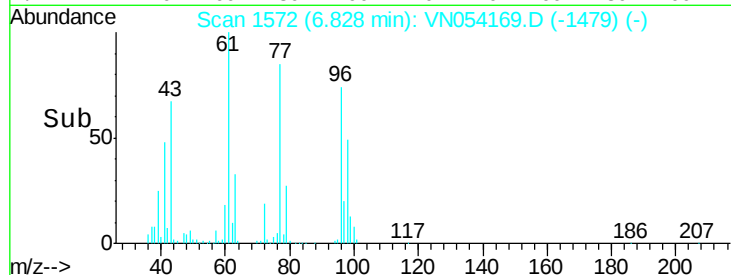
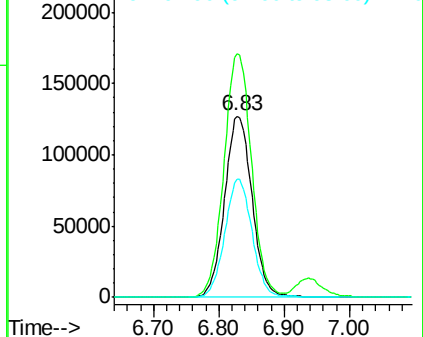
96 100

61 134.7 0.0 273.0

98 64.4 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: 20.545 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

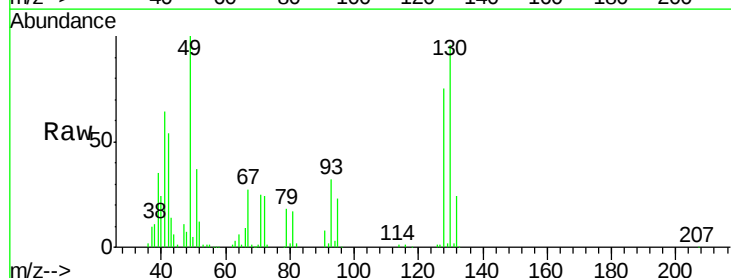
Tgt Ion: 49 Resp: 219254

Ion Ratio Lower Upper

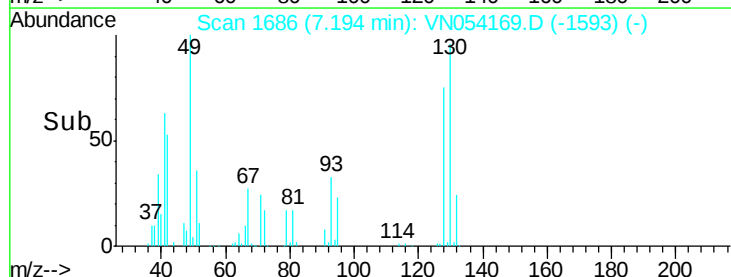
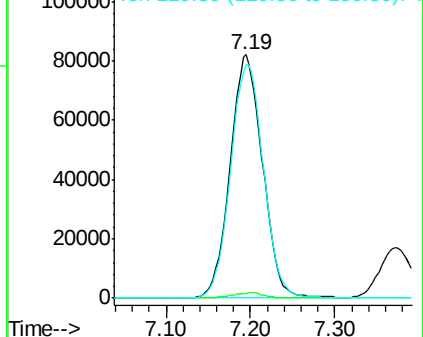
49 100

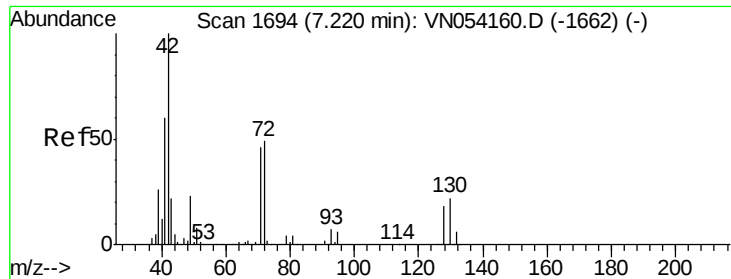
129 2.2 0.0 4.6

130 98.0 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

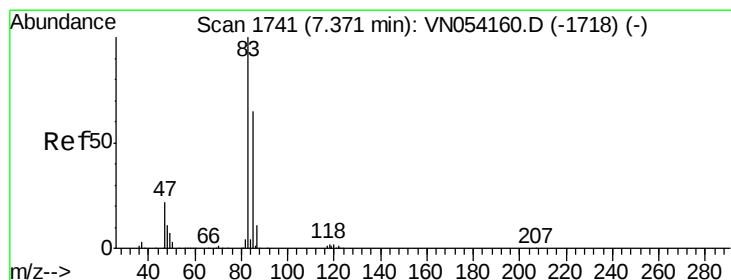
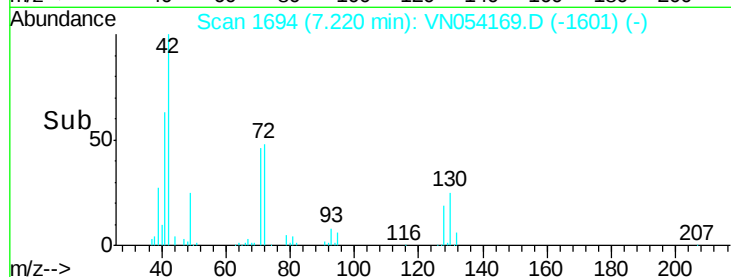
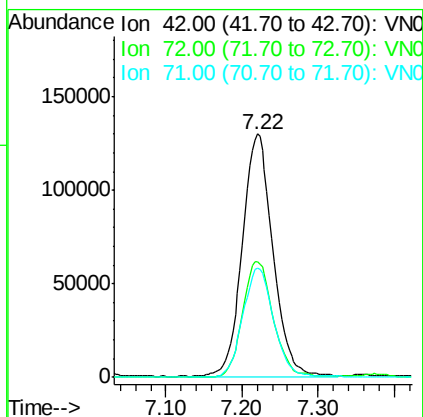
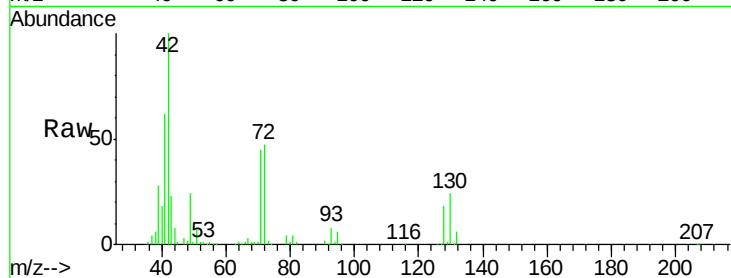




#29
Tetrahydrofuran
Concen: 103.056 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

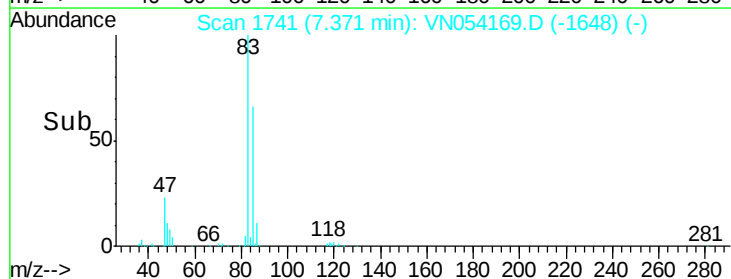
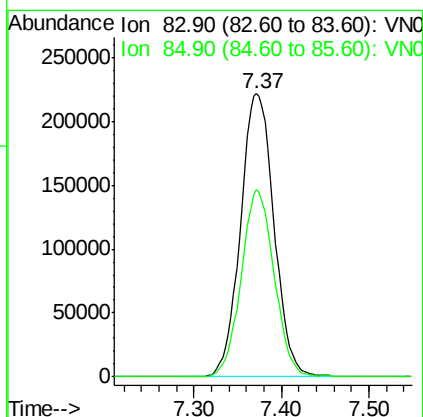
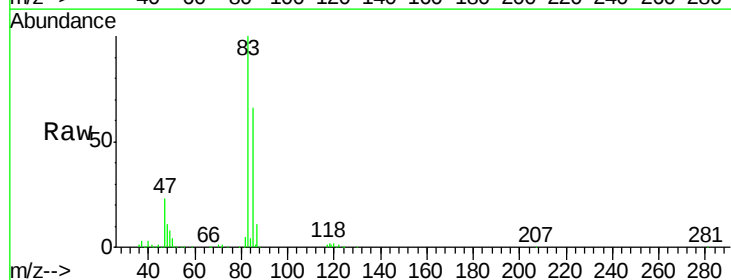
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

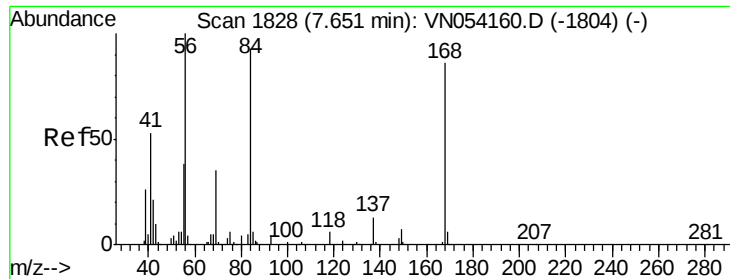
Tot Ion: 42 Resp: 361404
Ion Ratio Lower Upper
42 100
72 48.0 37.8 56.6
71 45.8 36.2 54.2



#30
Chloroform
Concen: 21.578 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 83 Resp: 587789
Ion Ratio Lower Upper
83 100
85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 20.730 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

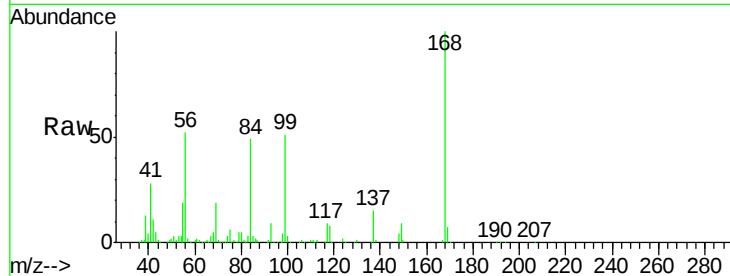
Tot Ion: 56 Resp: 523480

Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.6

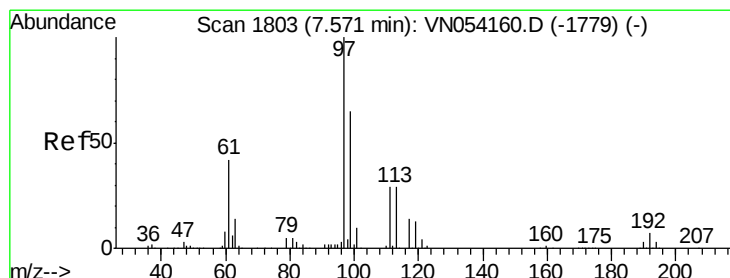
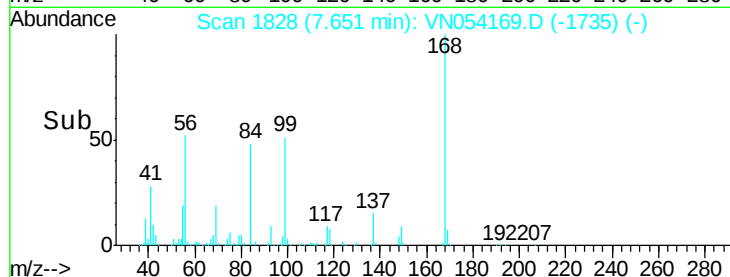
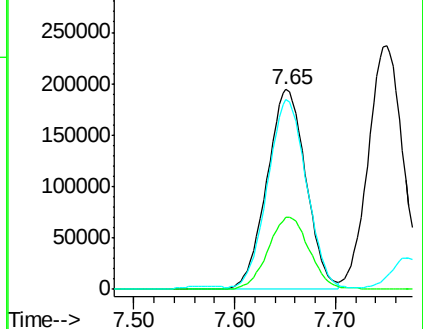
84 93.6 74.6 111.8



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: 21.401 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

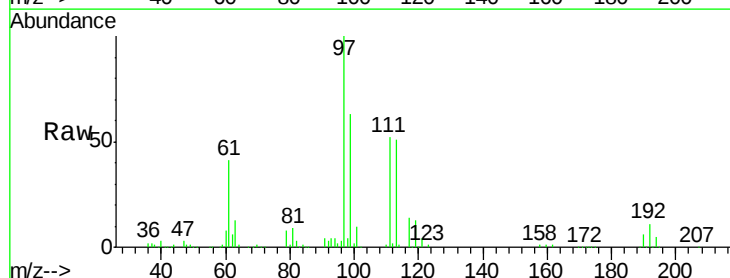
Tgt Ion: 97 Resp: 526495

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

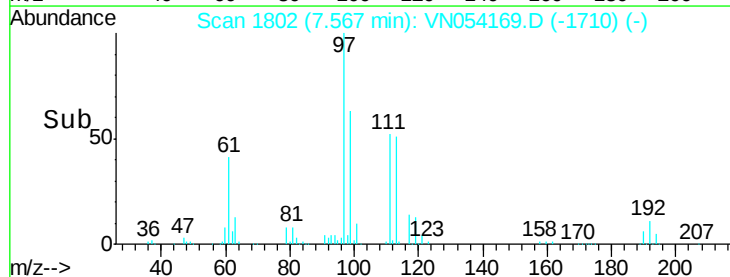
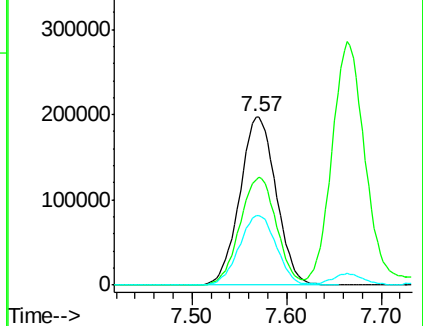
61 42.4 33.6 50.4

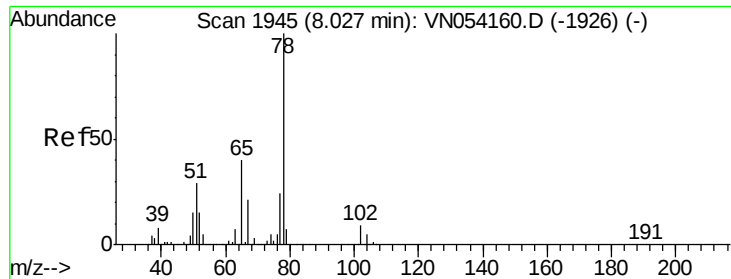


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.122 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

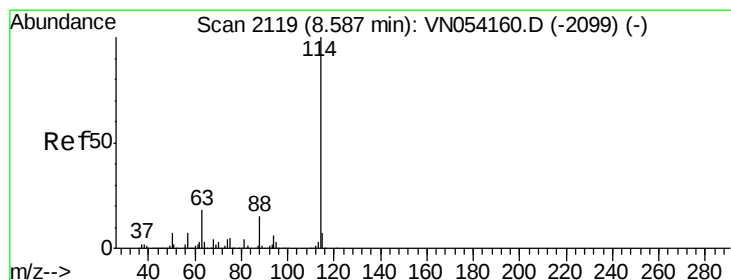
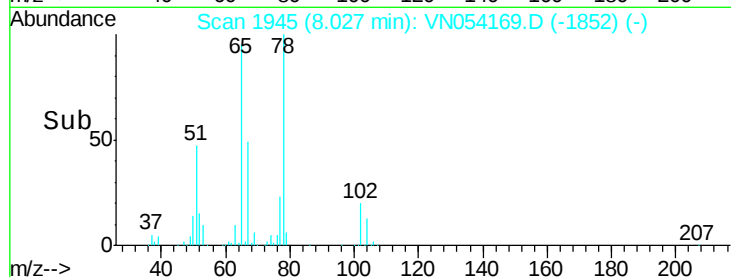
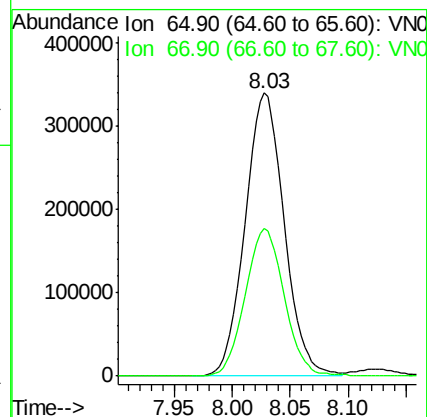
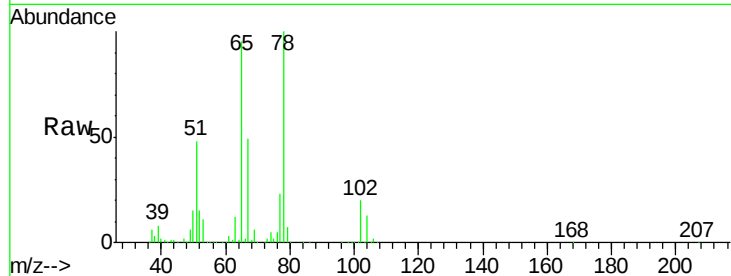
VN0312WBSD01

Tot Ion: 65 Resp: 797266

Ion Ratio Lower Upper

65 100

67 52.4 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: VN054169.D

Acq: 12 Mar 2019 17:49

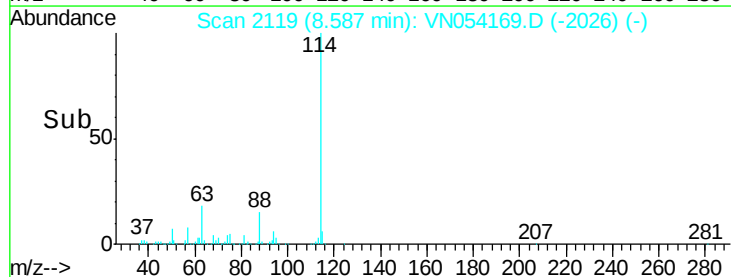
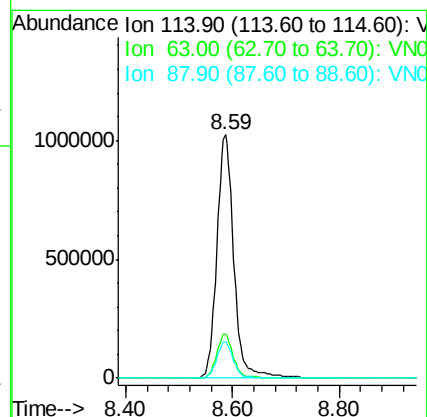
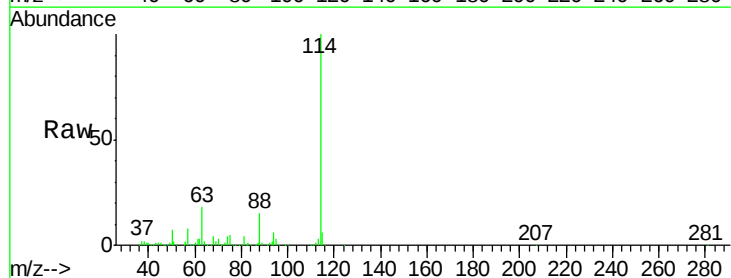
Tgt Ion:114 Resp: 2262978

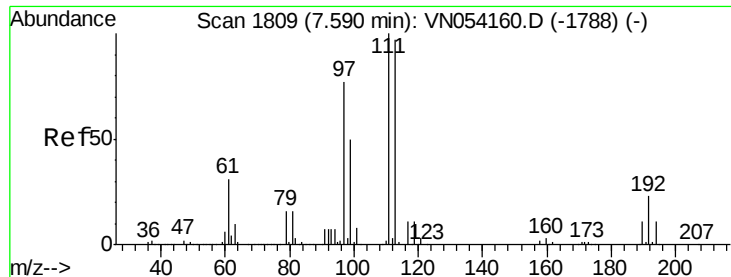
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

88 15.2 0.0 30.2

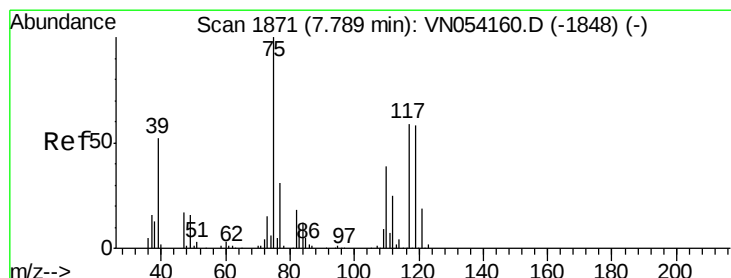
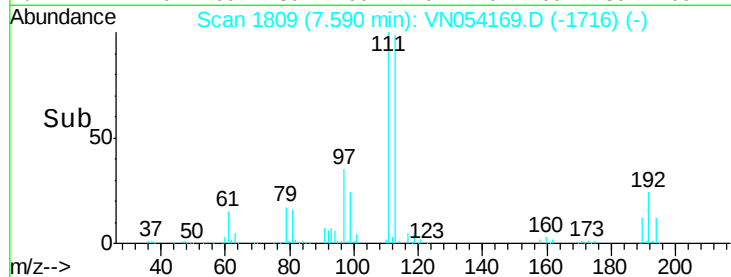
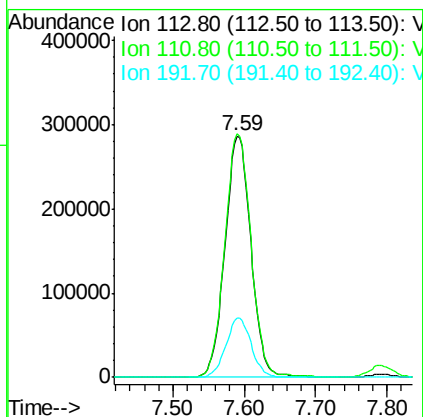
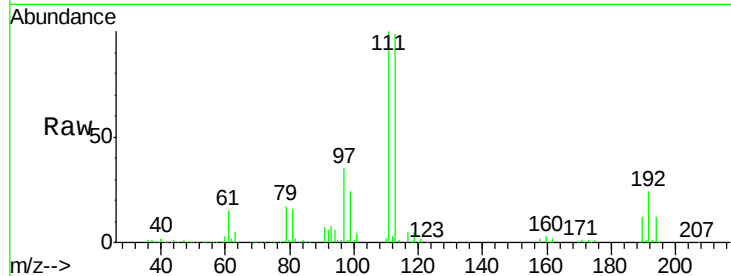




#35
 Dibromofluoromethane
 Concen: 49.733 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

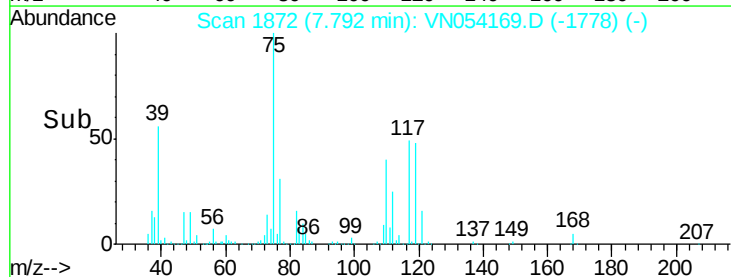
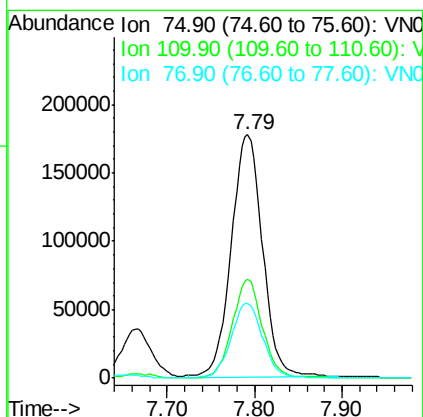
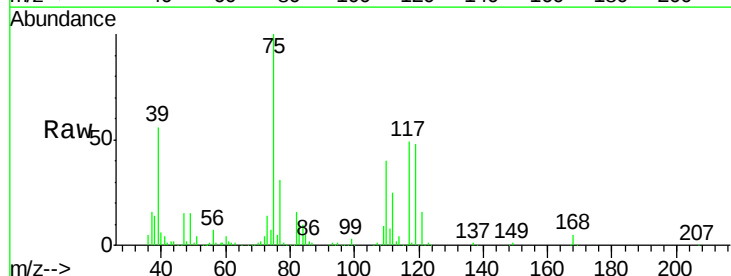
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

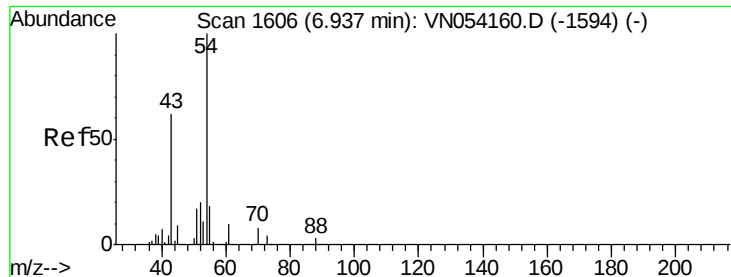
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	24.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 21.174 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.5
77	31.5	25.0	37.4

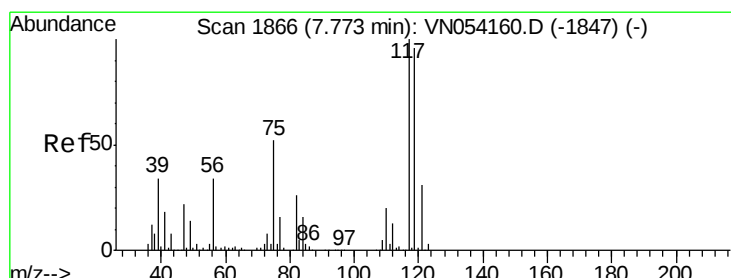
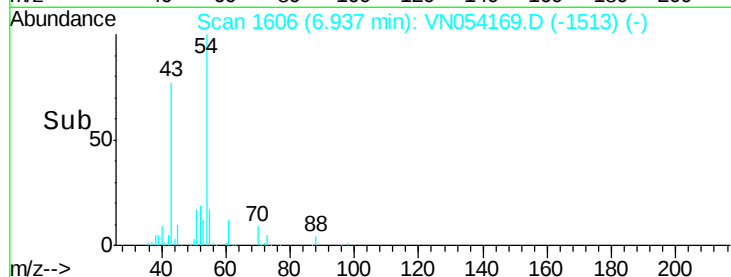
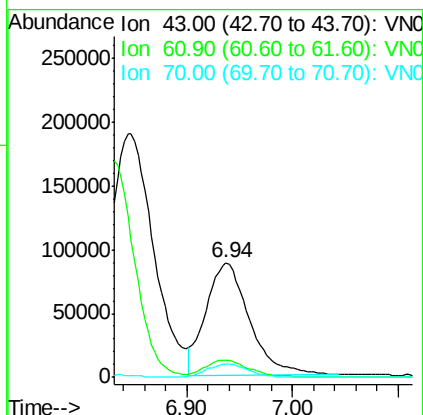
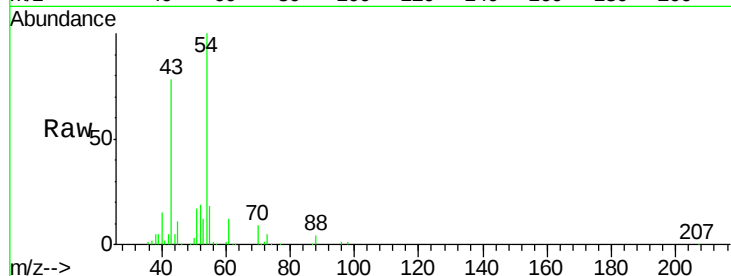




#37
Ethyl Acetate
Concen: 20.962 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

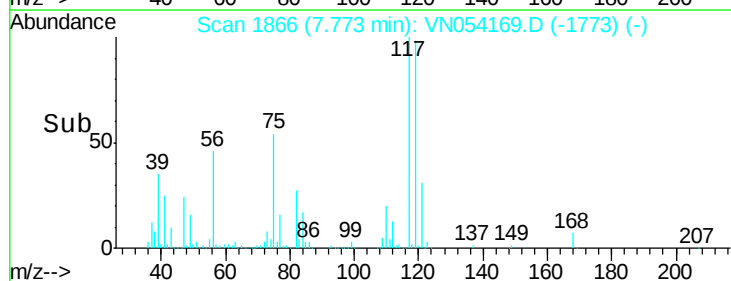
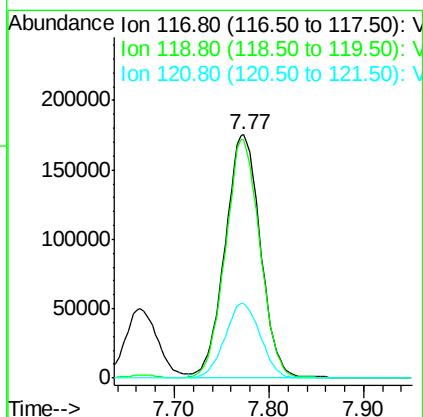
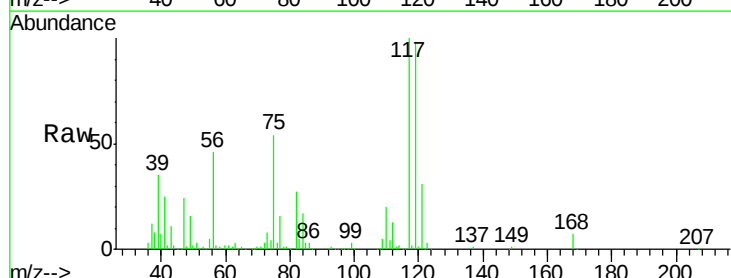
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

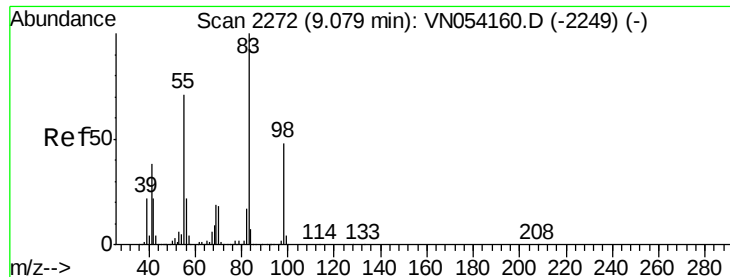
Tot Ion: 43 Resp: 251008
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.698 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 117 Resp: 452346
Ion Ratio Lower Upper
117 100
119 97.9 76.3 114.5
121 30.8 24.6 36.8

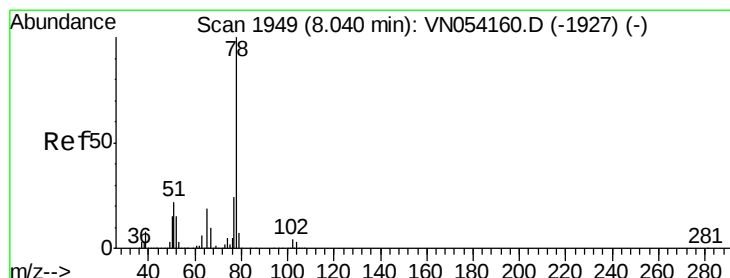
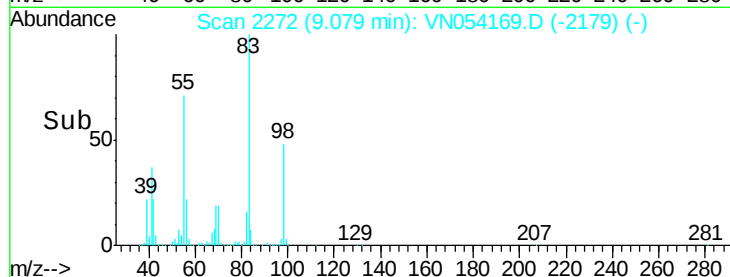
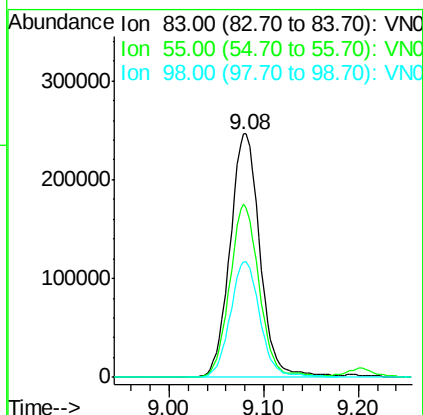
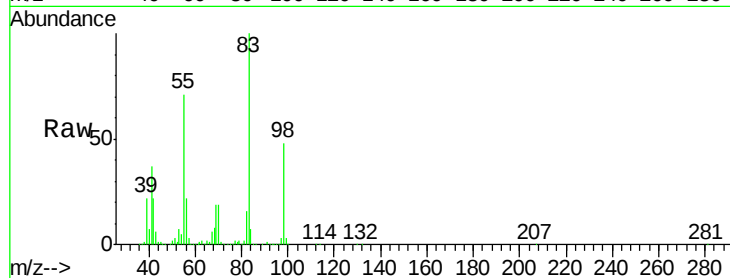




#39
Methvlcvclohexane
Concen: 21.179 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

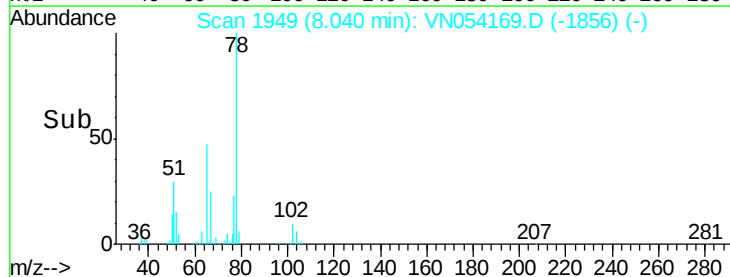
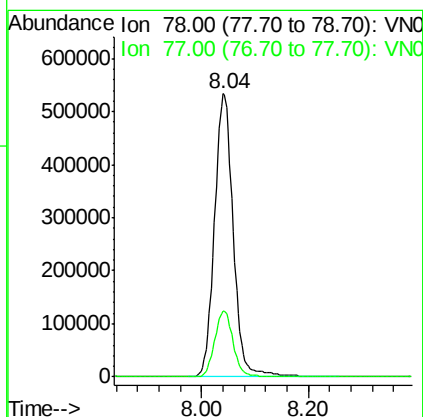
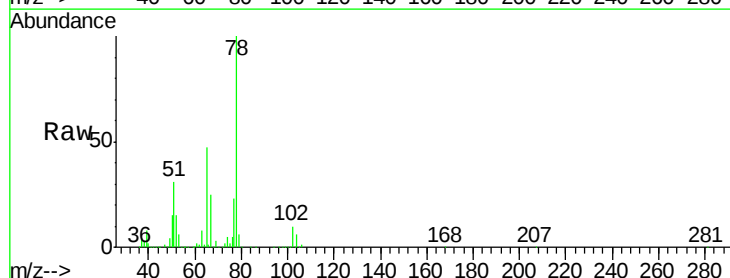
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

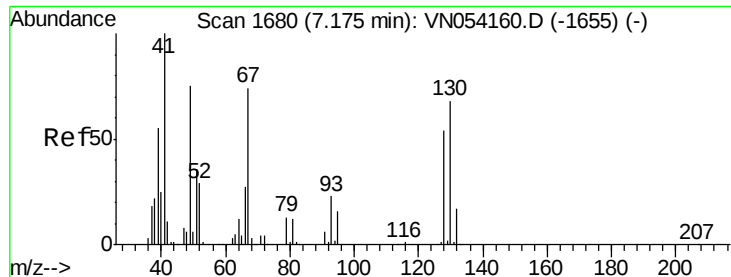
Tot Ion: 83 Resp: 543055
Ion Ratio Lower Upper
83 100
55 71.2 56.6 84.8
98 47.6 38.4 57.6



#40
Benzene
Concen: 21.955 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 78 Resp: 1309297
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

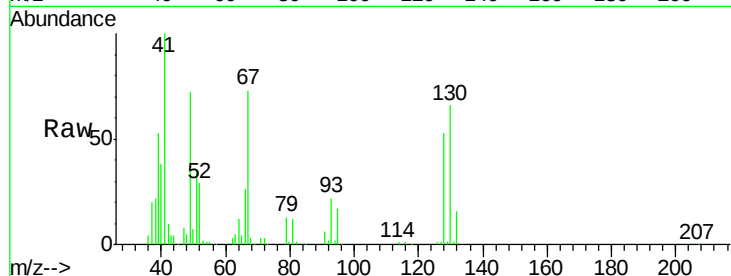




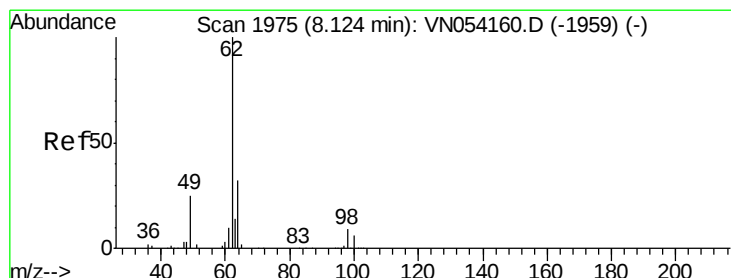
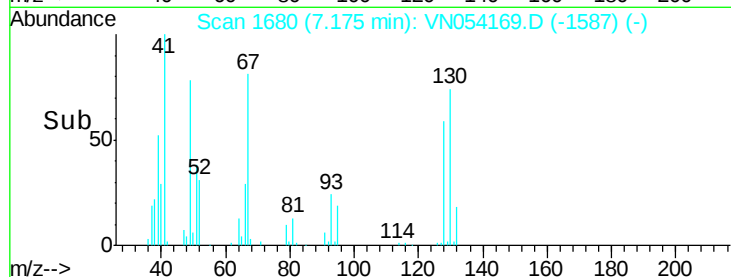
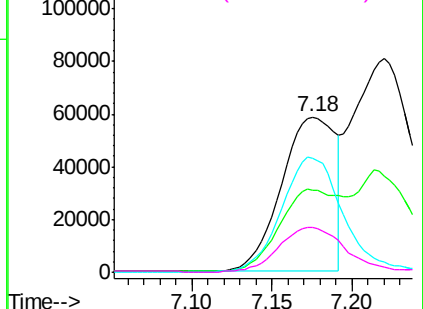
#41
Methacrylonitrile
Concen: 20.247 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion: 41 Resp: 138432
Ion Ratio Lower Upper
41 100
39 62.0 46.8 70.2
67 85.2 67.0 100.4
52 35.1 26.5 39.7

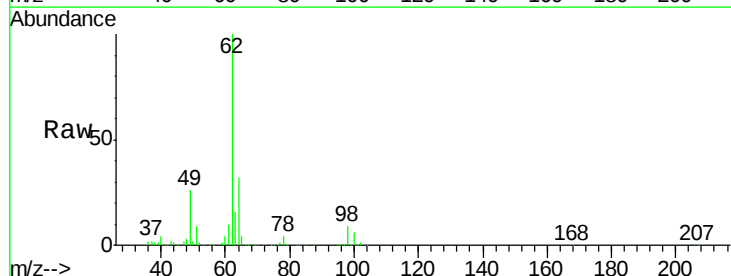


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

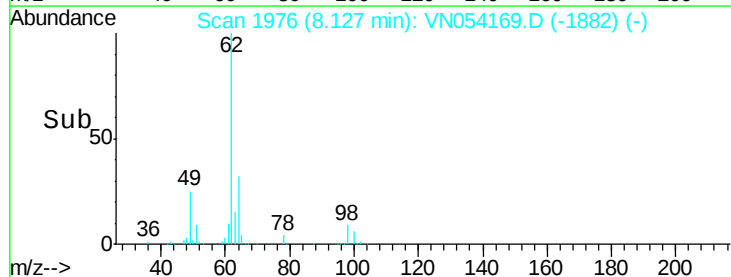
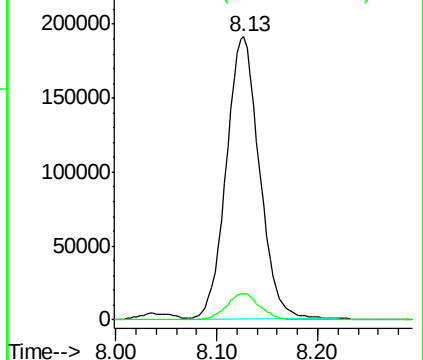


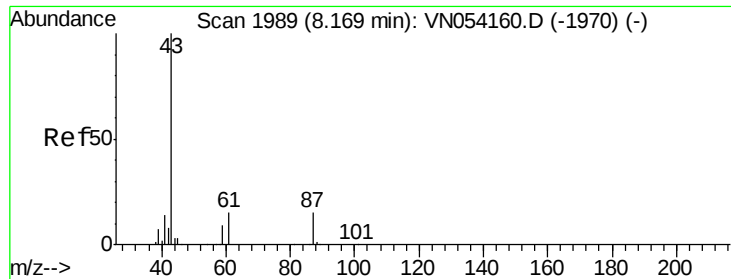
#42
1,2-Dichloroethane
Concen: 21.703 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 62 Resp: 436960
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.337 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

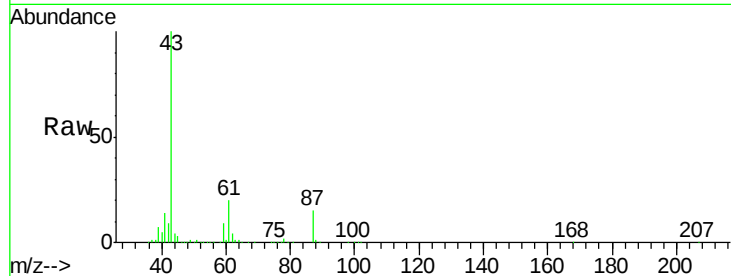
Tot Ion: 43 Resp: 448479

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.8

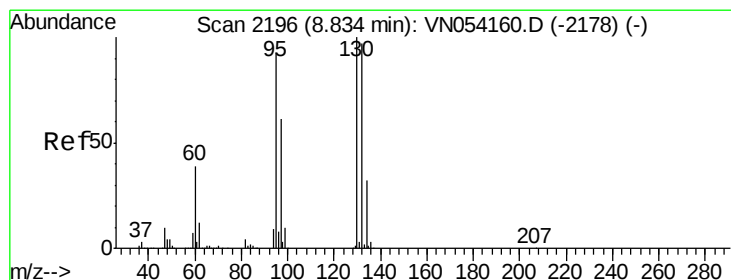
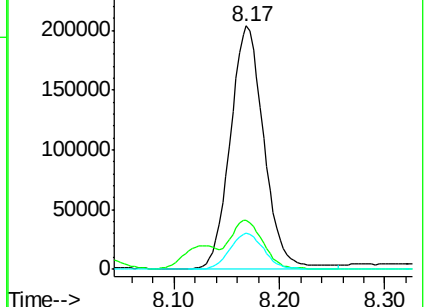
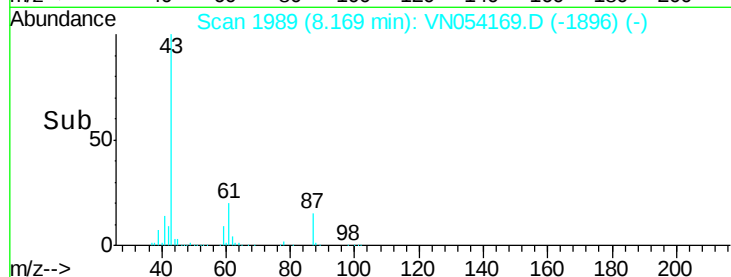
87 15.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054169.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054169.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054169.D (-1896) (-)



#44

Trichloroethene

Concen: 21.876 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054169.D

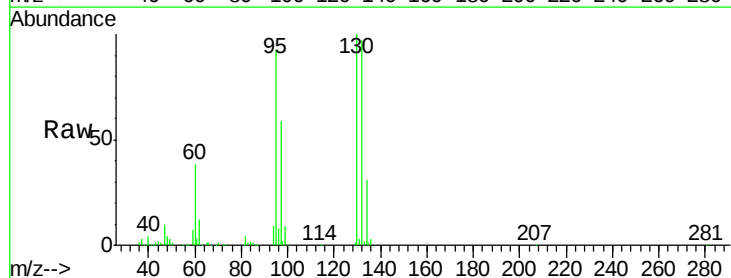
Acq: 12 Mar 2019 17:49

Tgt Ion: 130 Resp: 405275

Ion Ratio Lower Upper

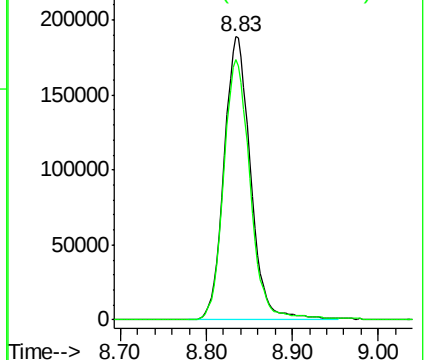
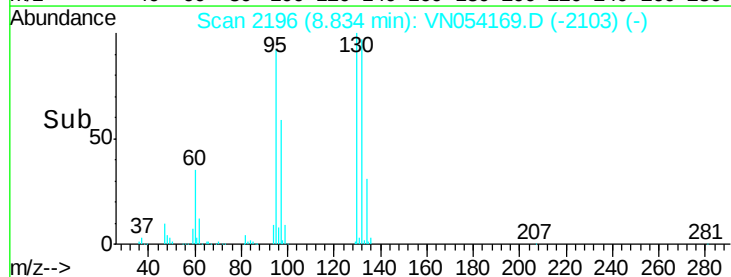
130 100

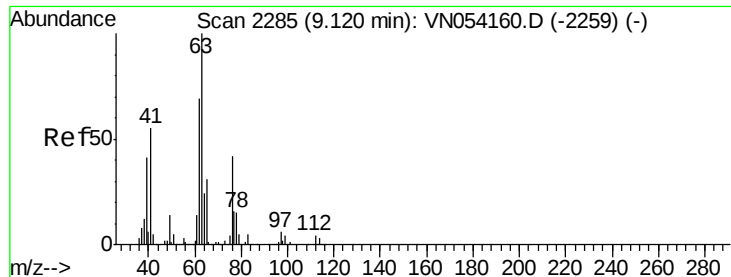
95 91.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054169.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054169.D (-2103) (-)

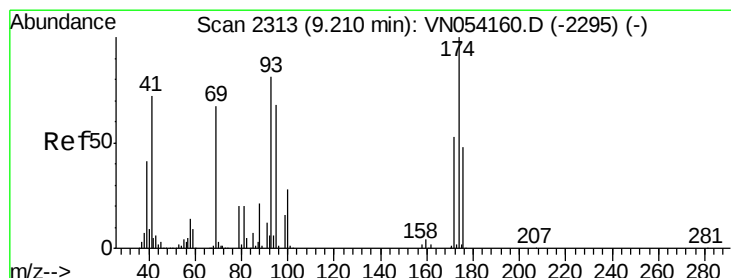
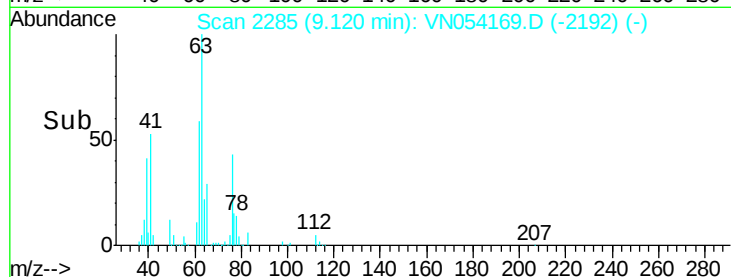
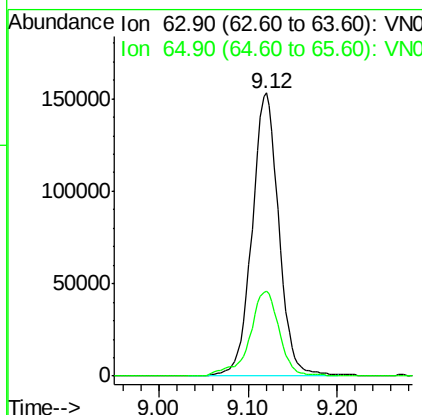
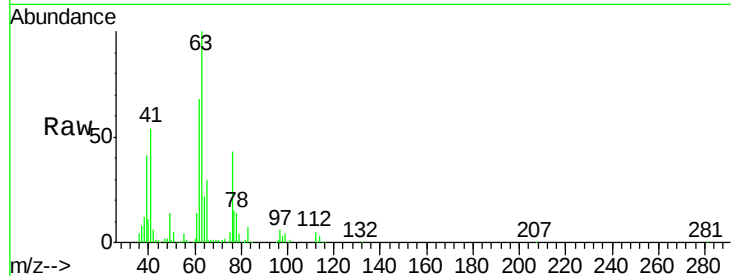




#45
 1,2-Dichloropropane
 Concen: 21.655 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

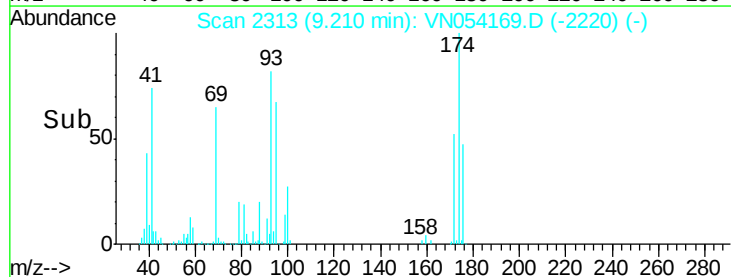
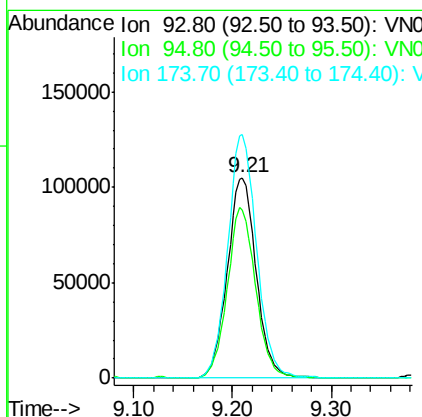
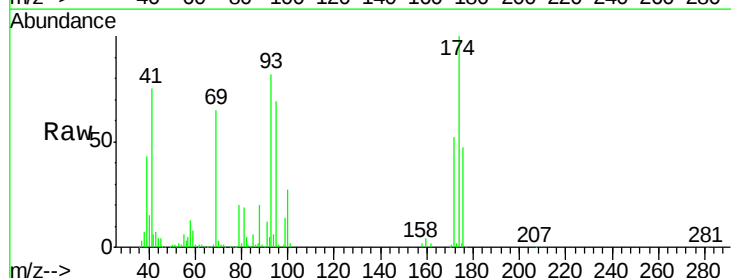
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

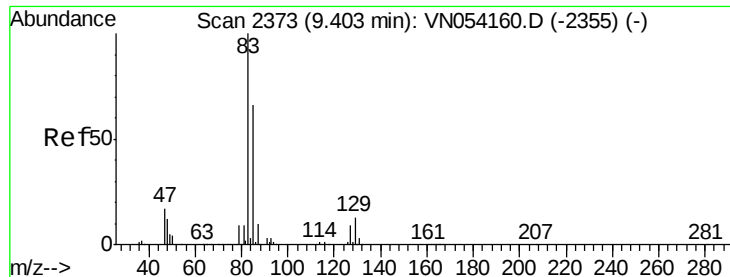
Tot Ion: 63 Resp: 320666
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6



#46
 Dibromomethane
 Concen: 21.541 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 93 Resp: 215525
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 121.4 98.5 147.7





#47

Bromodichloromethane

Concen: 21.442 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

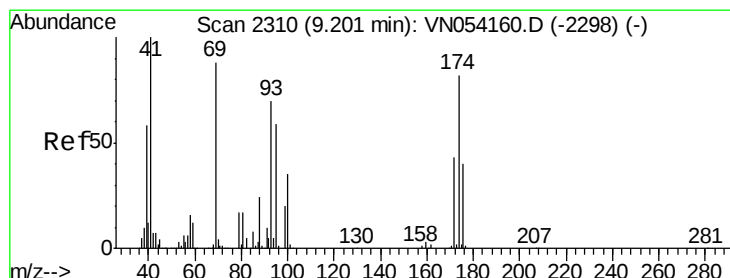
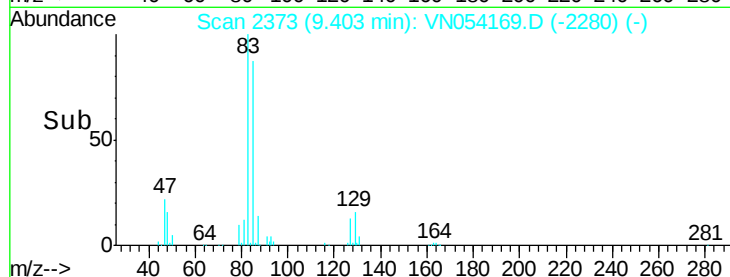
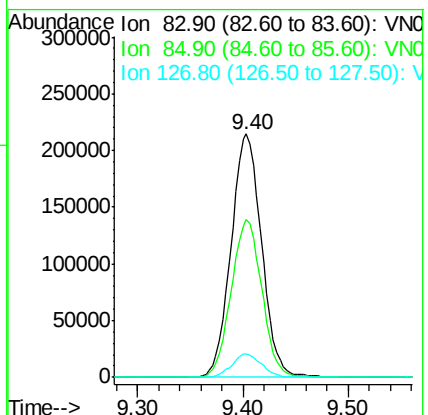
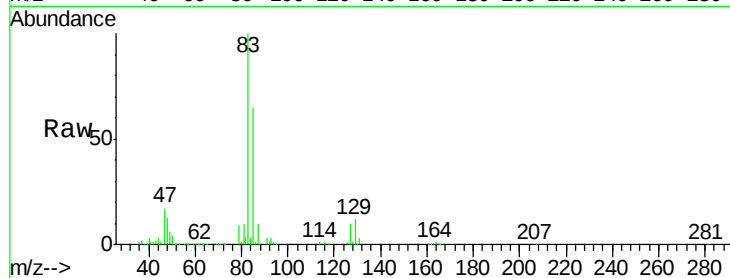
Tot Ion: 83 Resp: 430074

Ion Ratio Lower Upper

83 100

85 64.9 52.8 79.2

127 9.6 7.4 11.2



#48

Methyl methacrylate

Concen: 20.806 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

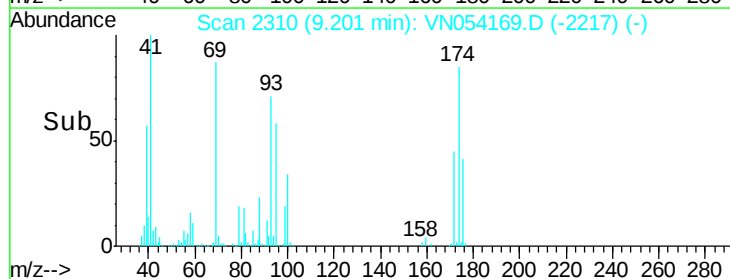
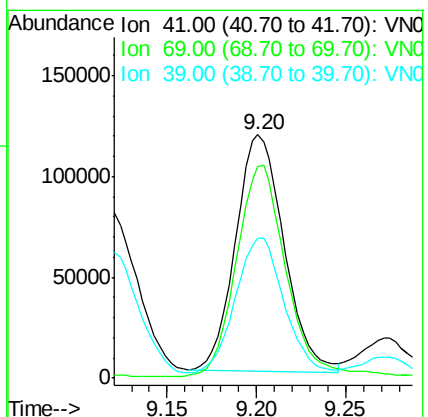
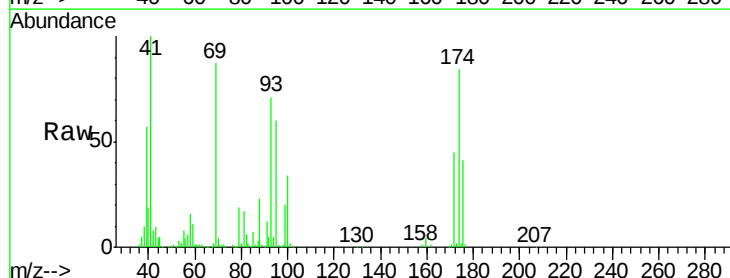
Tgt Ion: 41 Resp: 221924

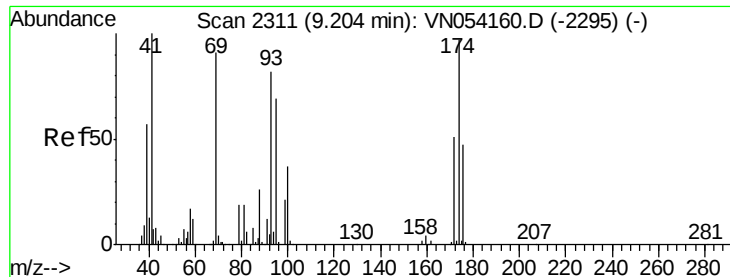
Ion Ratio Lower Upper

41 100

69 94.1 72.6 108.8

39 61.1 47.5 71.3

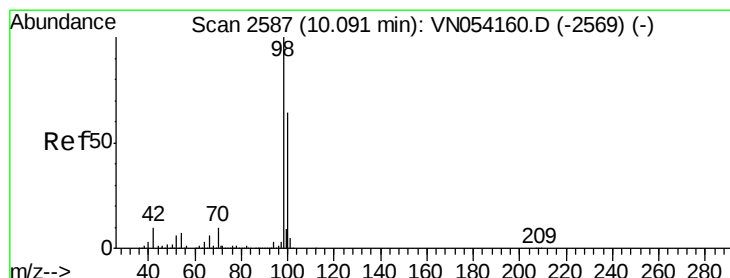
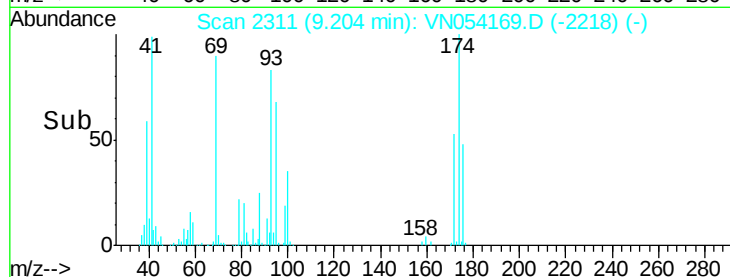
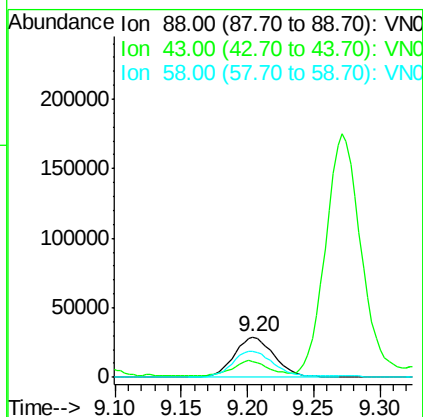
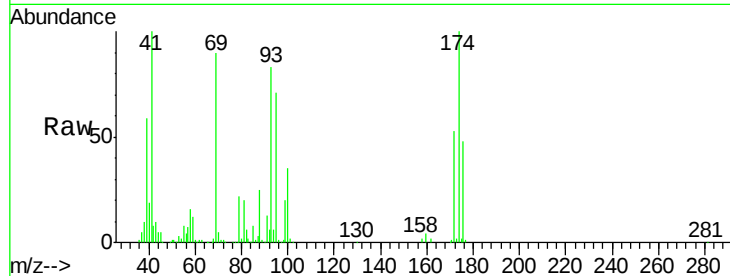




#49
1,4-Dioxane
Concen: 409.818 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

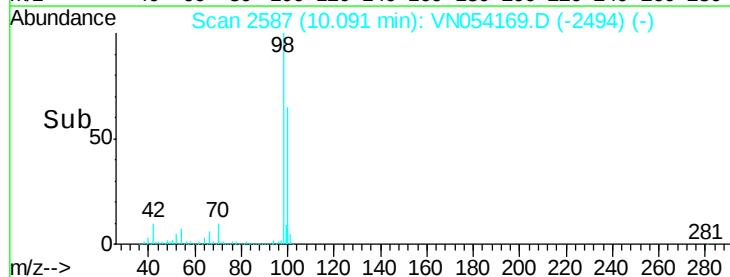
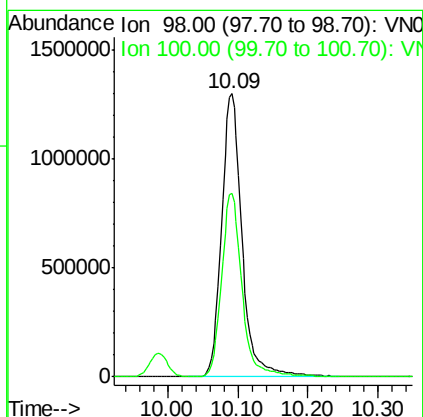
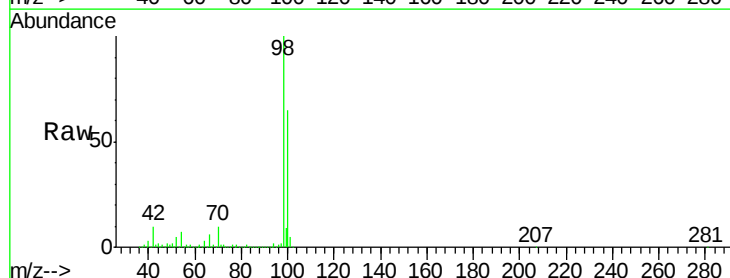
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

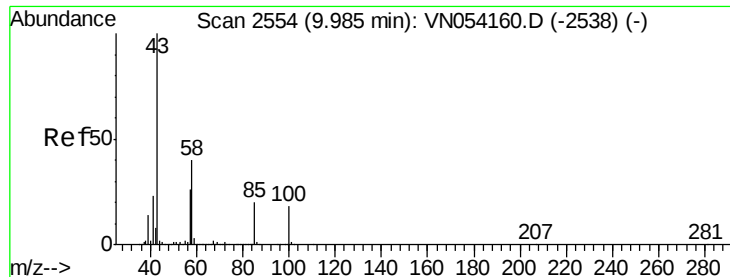
Tot Ion: 88 Resp: 61832
Ion Ratio Lower Upper
88 100
43 30.9 24.1 36.1
58 66.1 50.8 76.2



#50
Toluene-d8
Concen: 48.883 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 98 Resp: 2634931
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 105.708 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

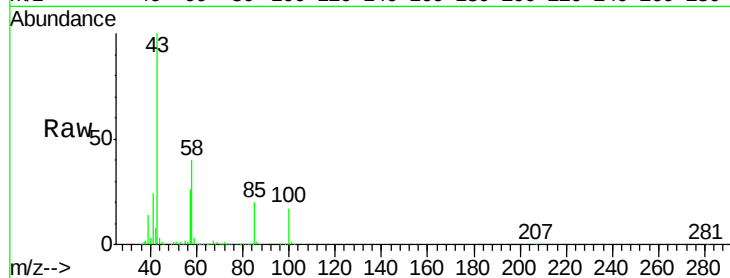
VN0312WBSD01

Tot Ion: 43 Resp: 1175800

Ion Ratio Lower Upper

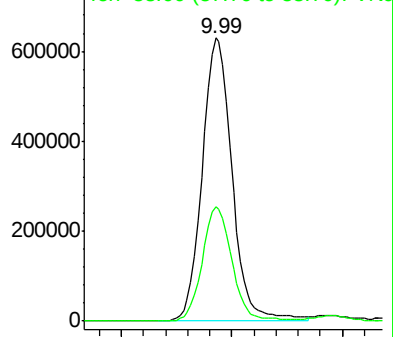
43 100

58 40.4 31.8 47.6

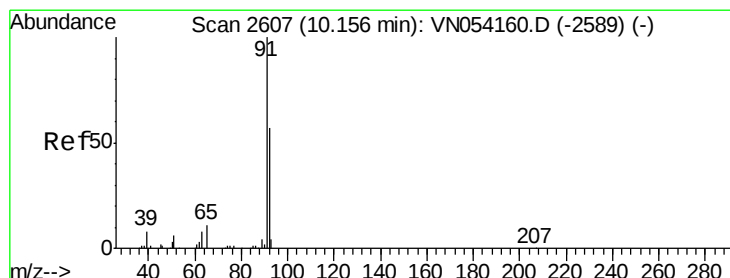
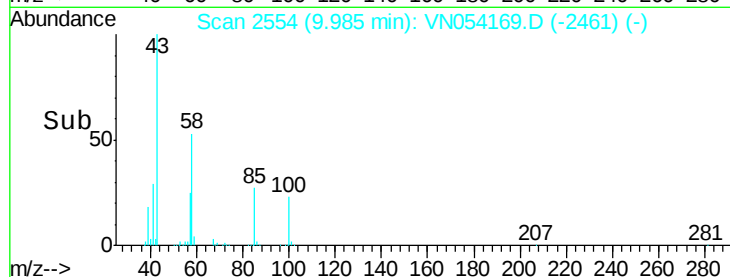


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 21.606 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054169.D

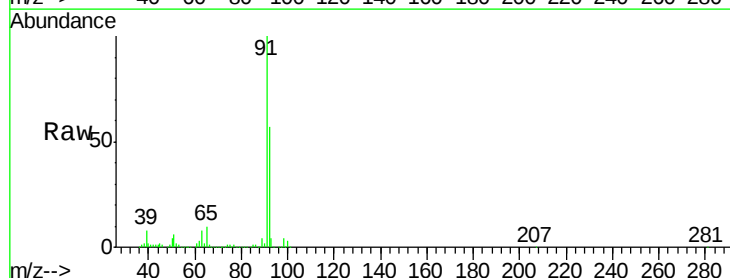
Acq: 12 Mar 2019 17:49

Tgt Ion: 92 Resp: 816975

Ion Ratio Lower Upper

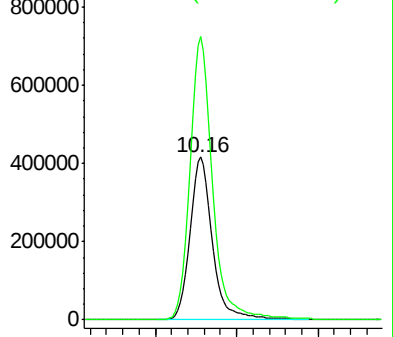
92 100

91 174.3 140.7 211.1

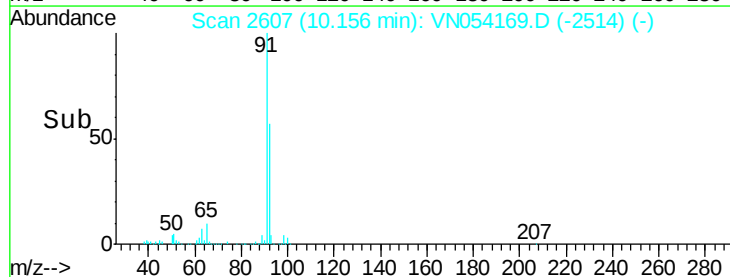


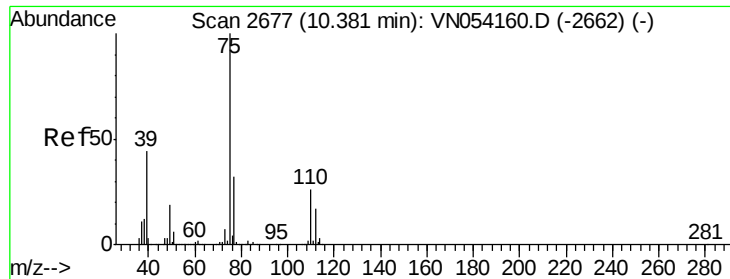
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.498 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

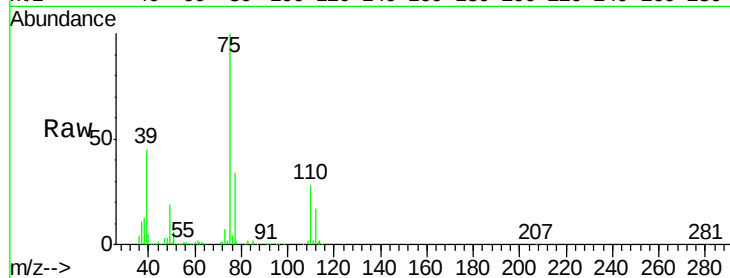
VN0312WBSD01

Tot Ion: 75 Resp: 418377

Ion Ratio Lower Upper

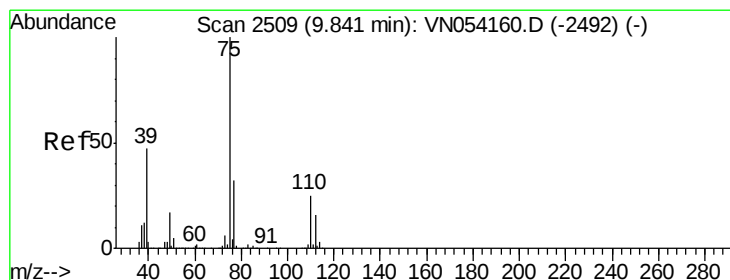
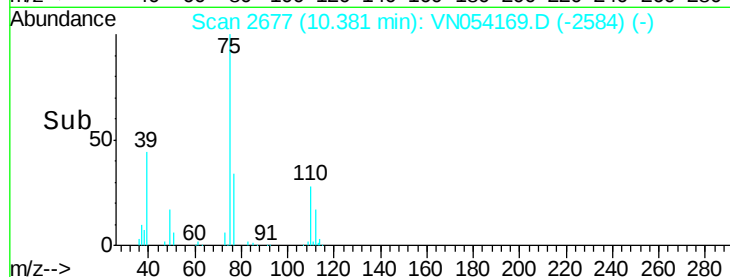
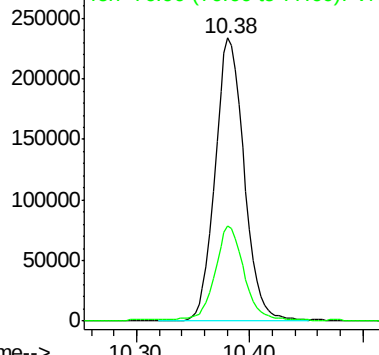
75 100

77 33.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.118 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

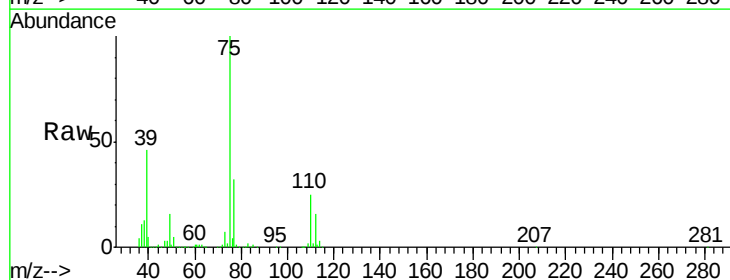
Tgt Ion: 75 Resp: 493618

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

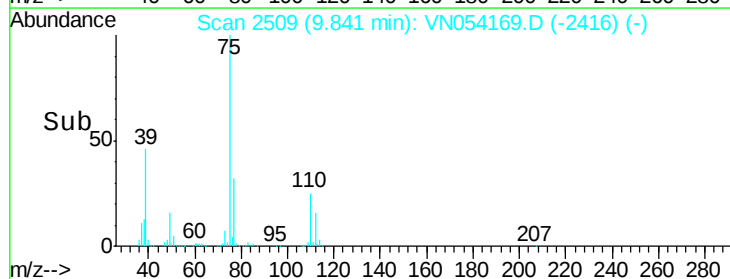
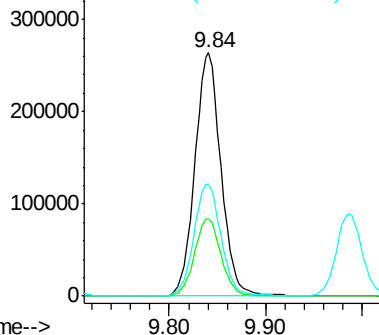
39 45.9 37.2 55.8

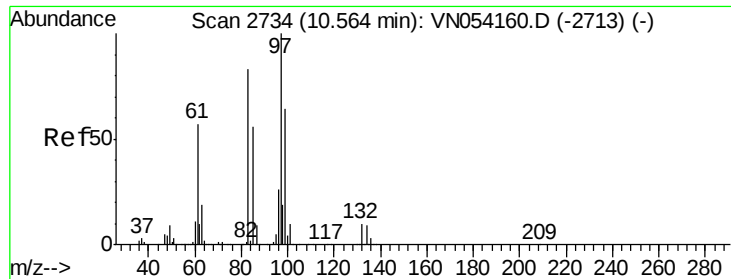


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

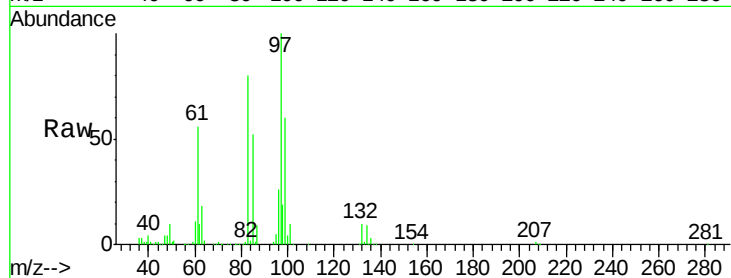




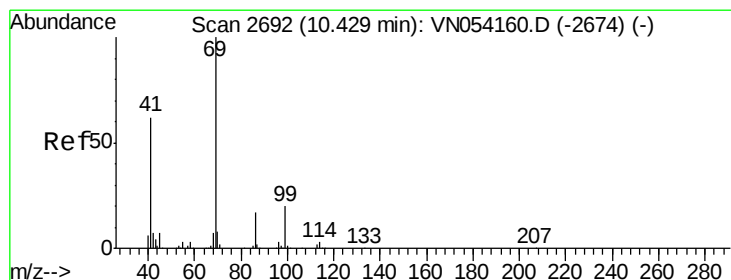
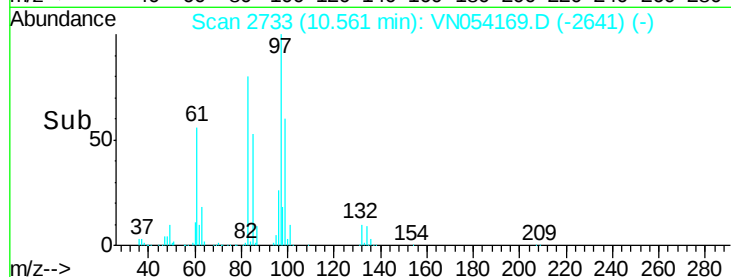
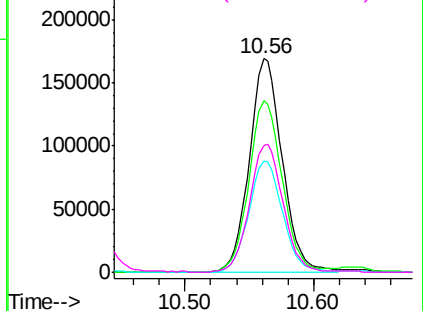
#55
 1,1,2-Trichloroethane
 Concen: 21.812 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion:	97	Resp:	301163
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.6	100.0
85	52.4	44.4	66.6
99	59.3	50.8	76.2

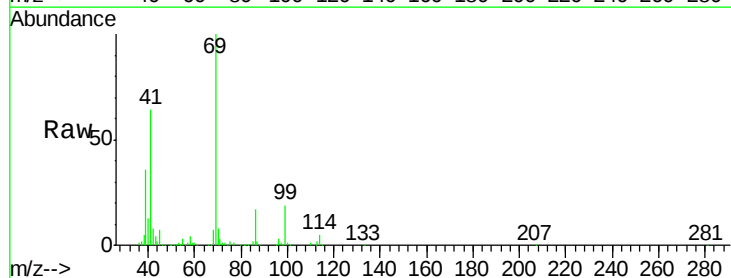


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

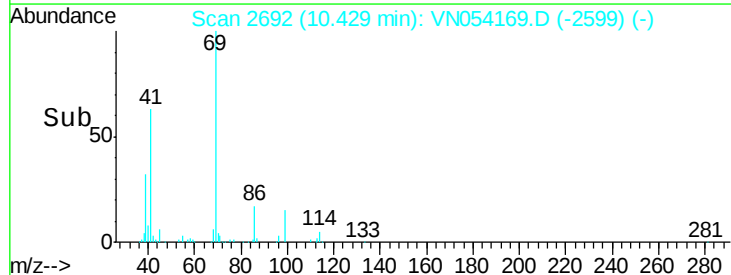
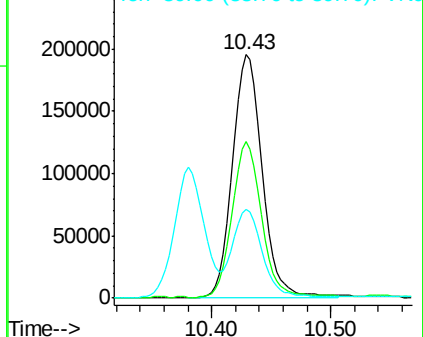


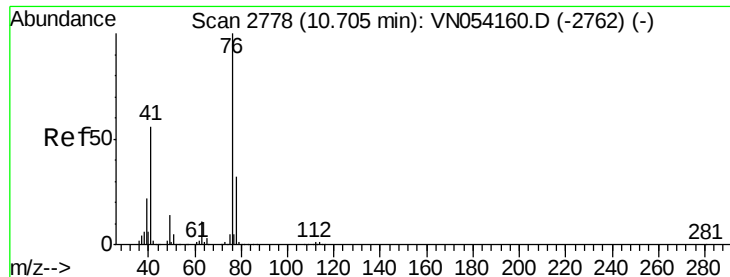
#56
 Ethyl methacrylate
 Concen: 20.699 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion:	69	Resp:	340768
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.4	74.2
39	36.2	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: 21.518 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

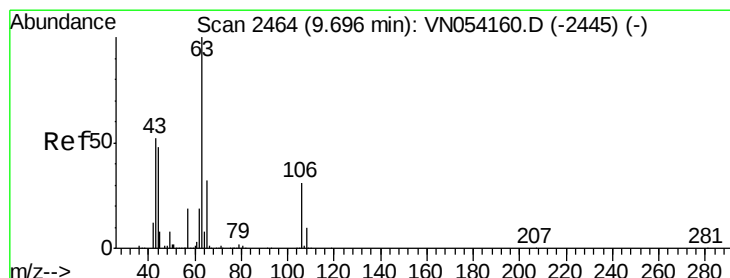
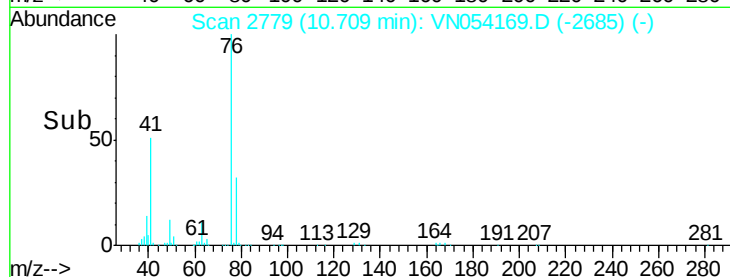
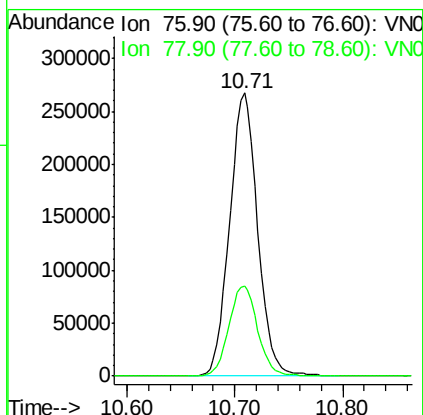
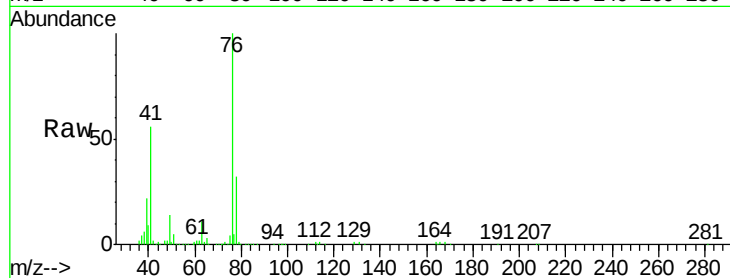
VN0312WBSD01

Tot Ion: 76 Resp: 485805

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.053 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054169.D

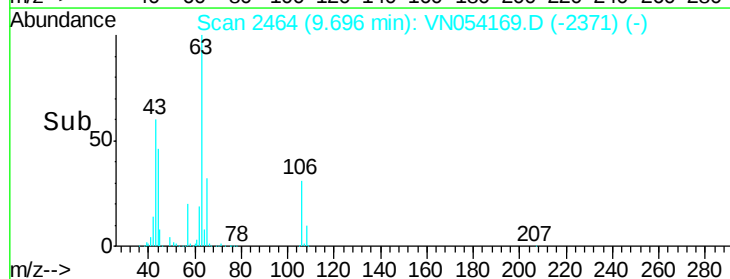
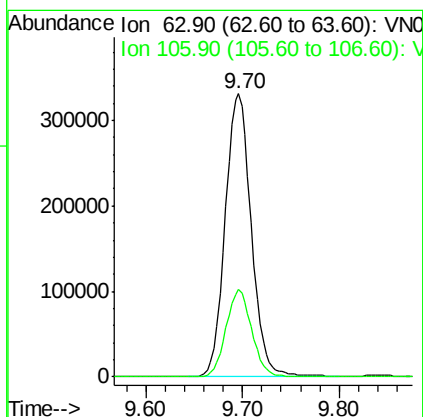
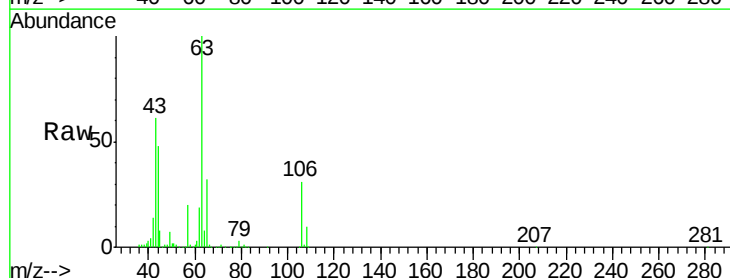
Acq: 12 Mar 2019 17:49

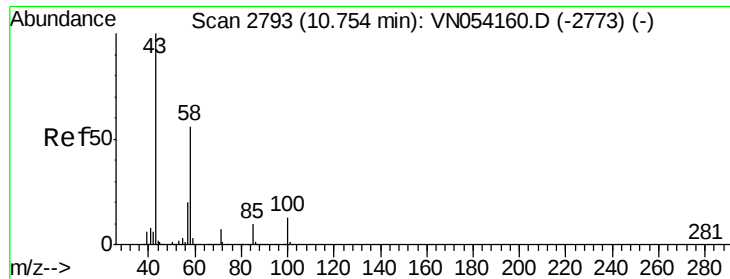
Tgt Ion: 63 Resp: 622011

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6

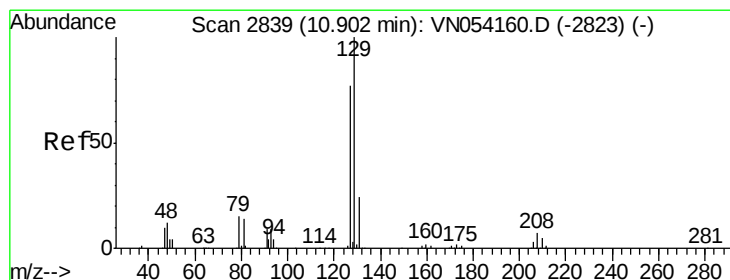
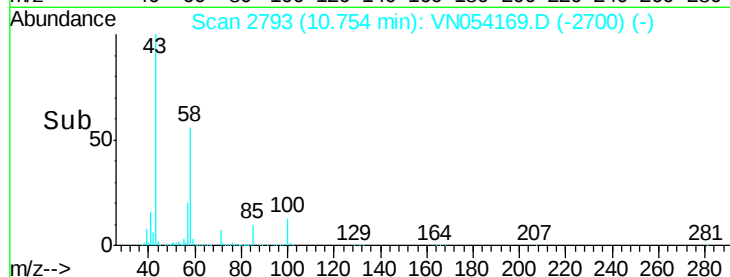
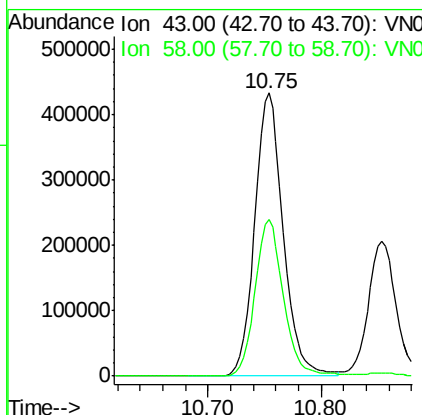
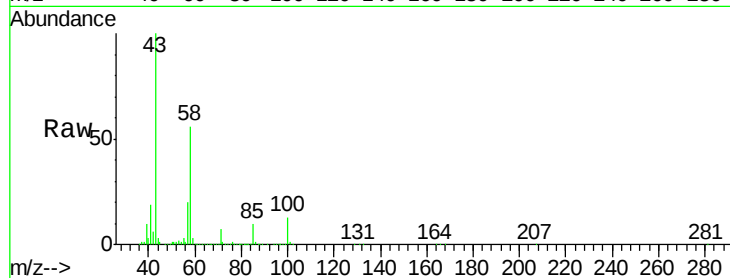




#59
2-Hexanone
Concen: 101.743 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

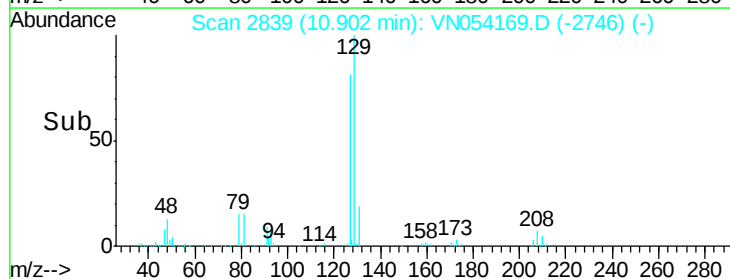
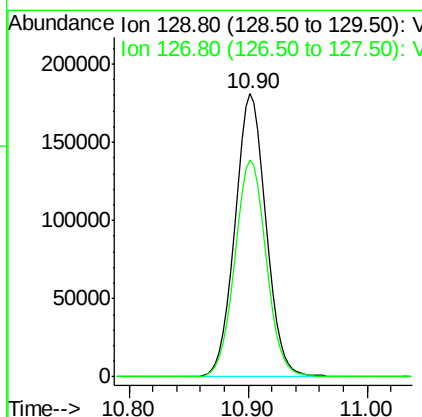
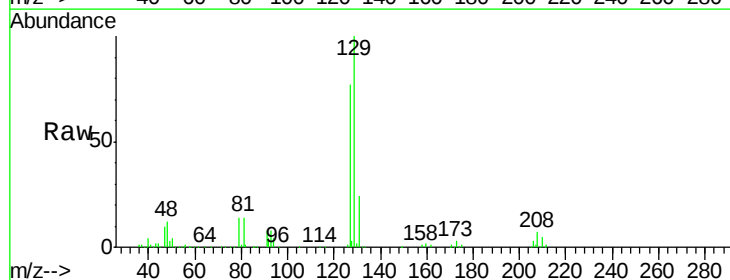
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

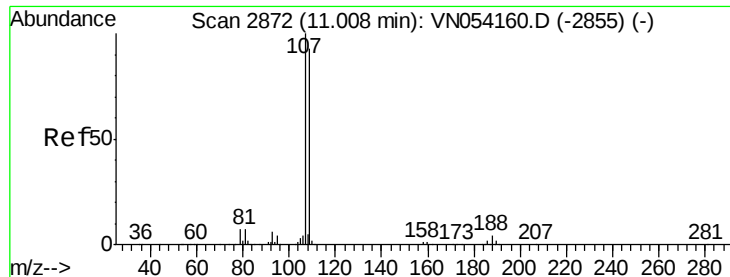
Tot Ion: 43 Resp: 753027
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9



#60
Dibromochloromethane
Concen: 21.077 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 129 Resp: 327552
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

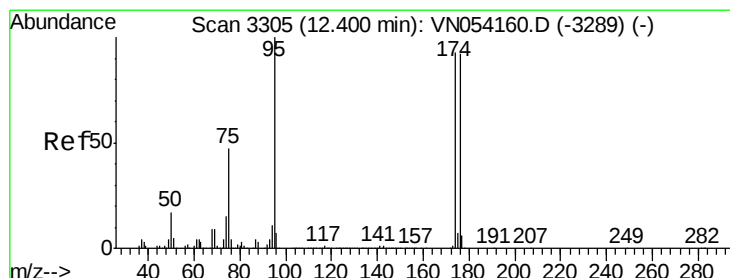
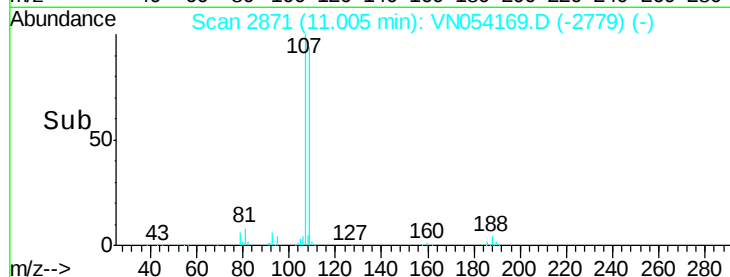
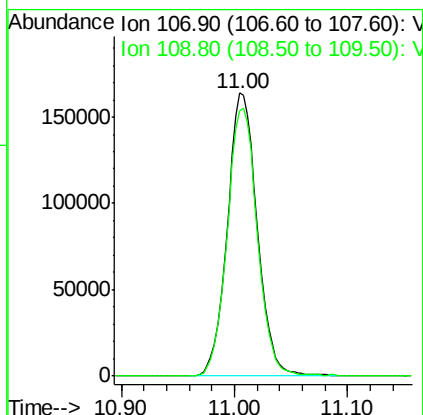
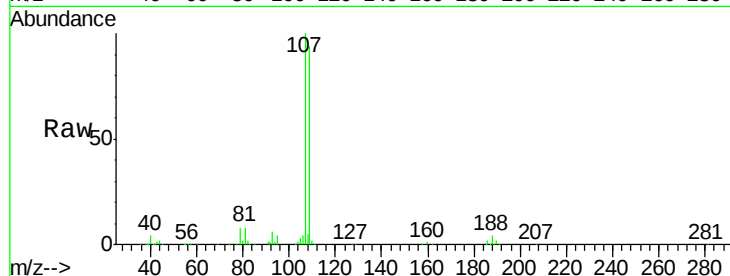




#61
 1,2-Dibromoethane
 Concen: 21.493 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

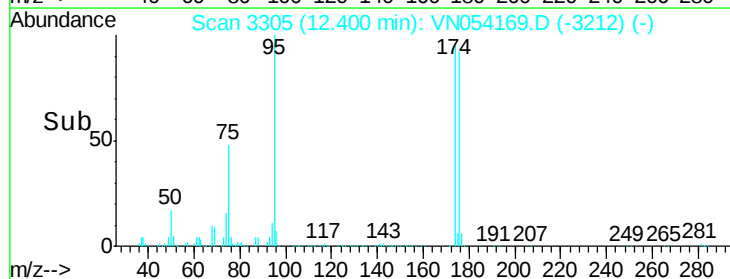
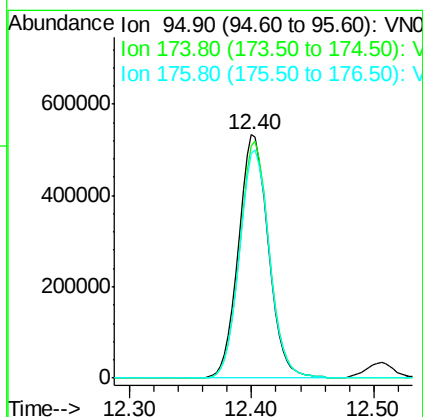
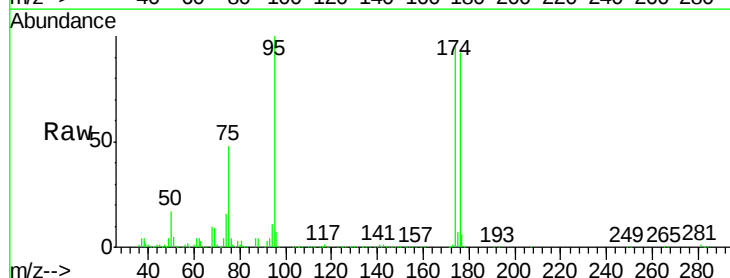
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

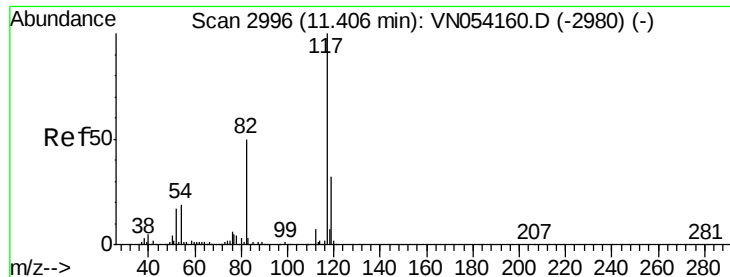
Tot Ion:107 Resp: 301569
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.832 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion: 95 Resp: 902146
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 191.0
 176 94.1 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: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

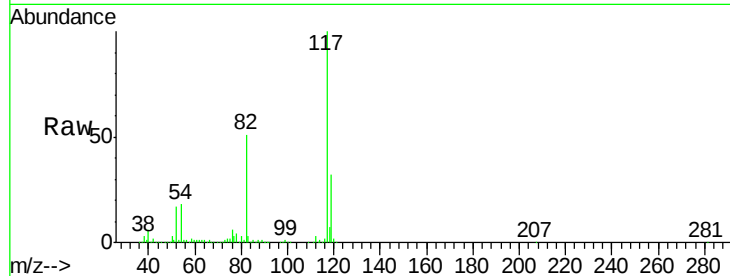
Tot Ion:117 Resp: 1958672

Ion Ratio Lower Upper

117 100

82 51.1 40.0 60.0

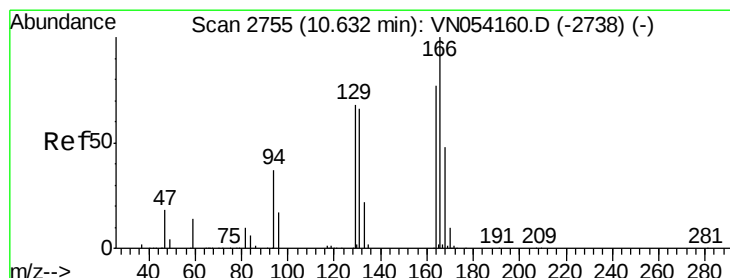
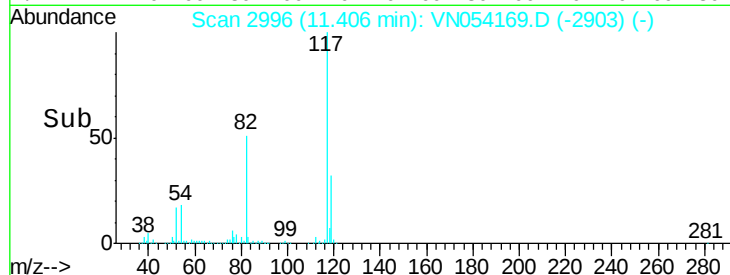
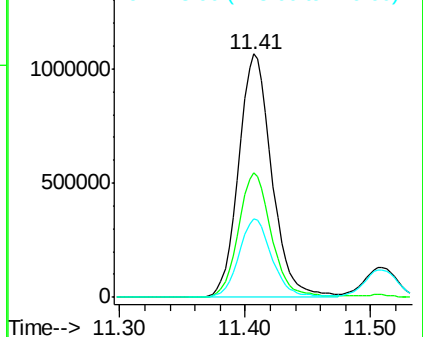
119 32.1 25.8 38.6



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: 21.688 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion:164 Resp: 410722

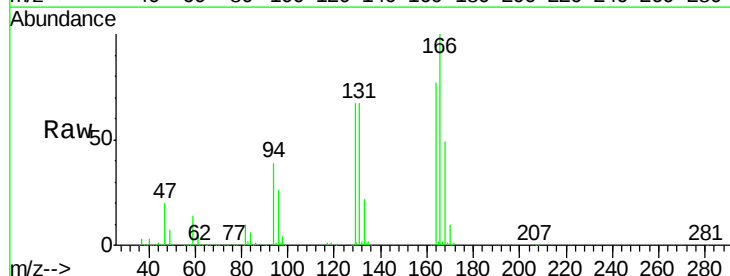
Ion Ratio Lower Upper

164 100

166 129.4 103.9 155.9

129 87.3 71.1 106.7

131 87.2 68.2 102.4

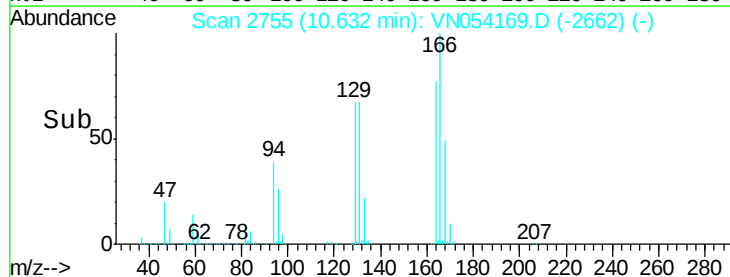
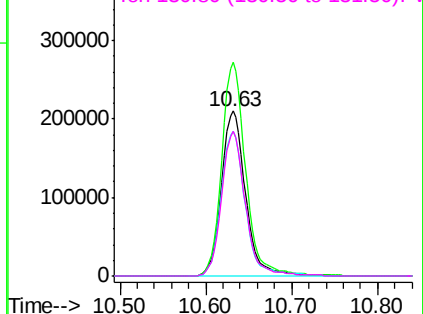


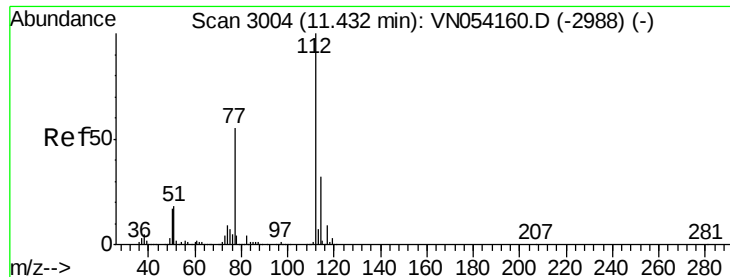
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.803 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

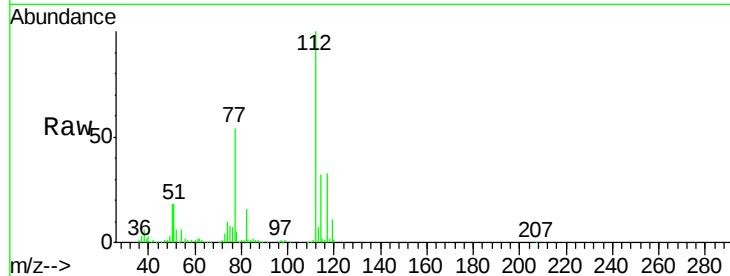
VN0312WBSD01

Tot Ion:112 Resp: 937700

Ion Ratio Lower Upper

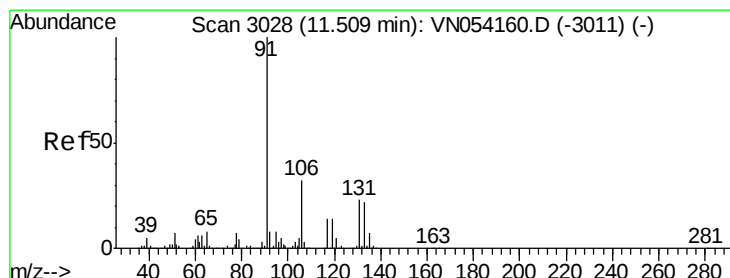
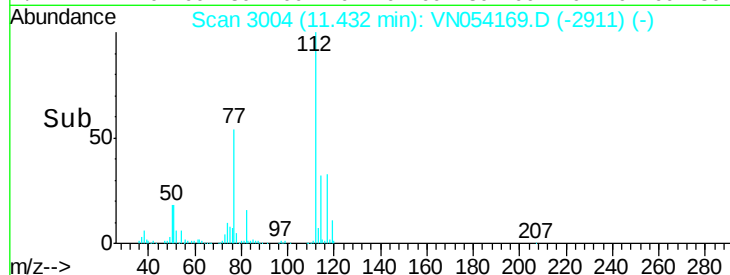
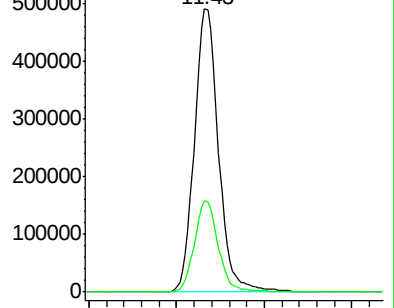
112 100

114 32.2 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: 21.898 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

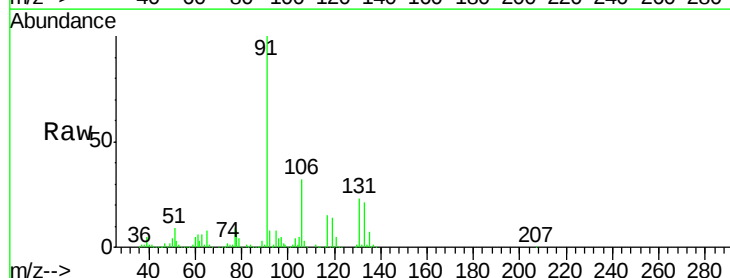
Tgt Ion:131 Resp: 342113

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

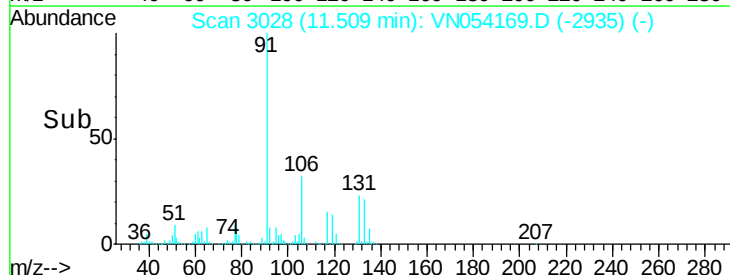
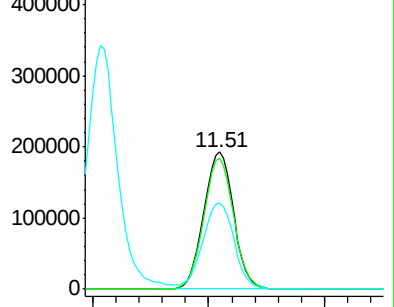
119 66.4 32.4 97.0

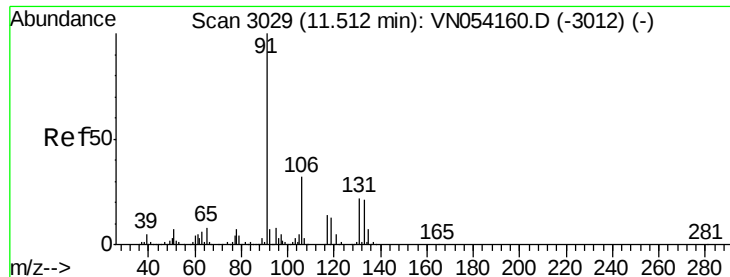


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

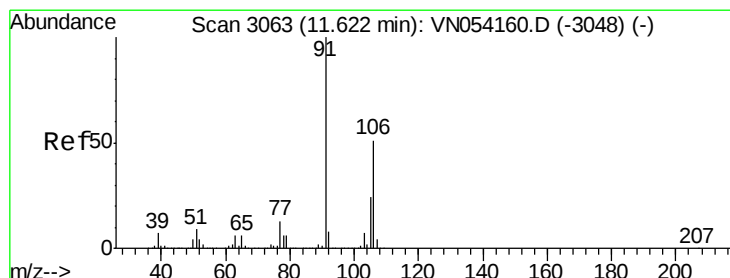
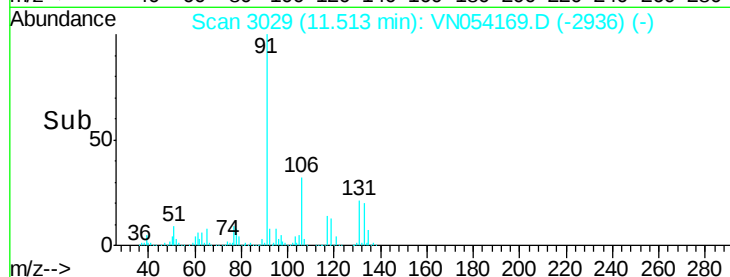
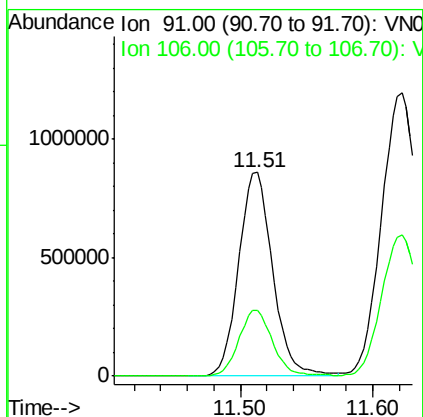
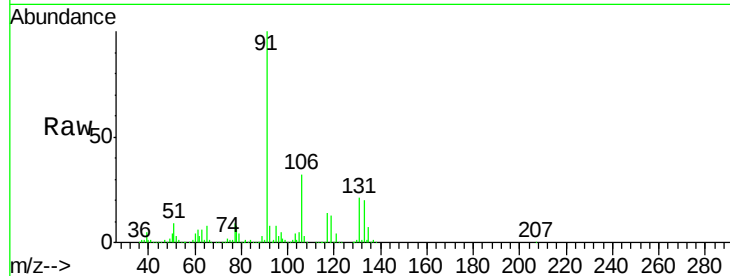




#67
Ethyl Benzene
Concen: 21.536 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

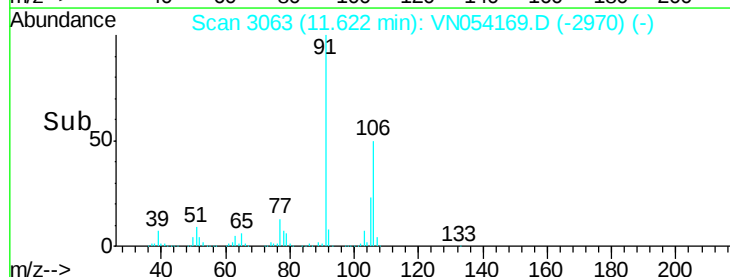
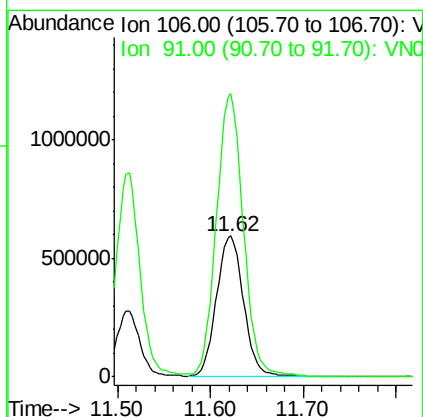
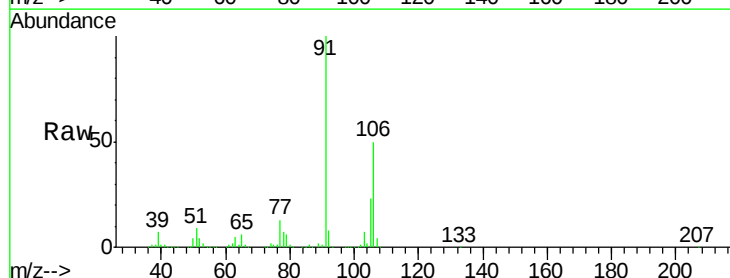
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

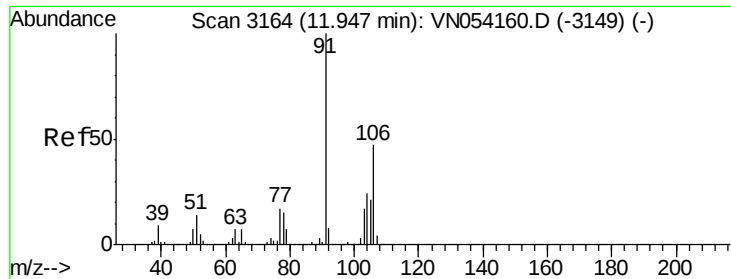
Tot Ion: 91 Resp: 1535348
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 43.619 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 106 Resp: 1215405
Ion Ratio Lower Upper
106 100
91 199.1 159.4 239.2

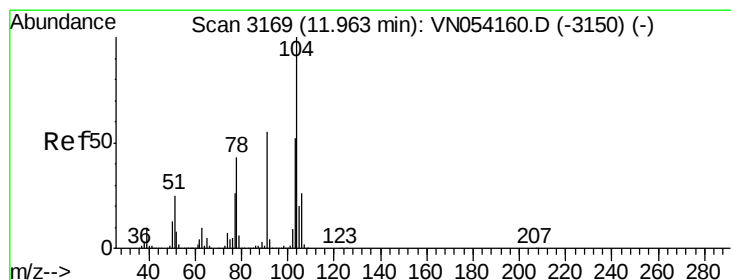
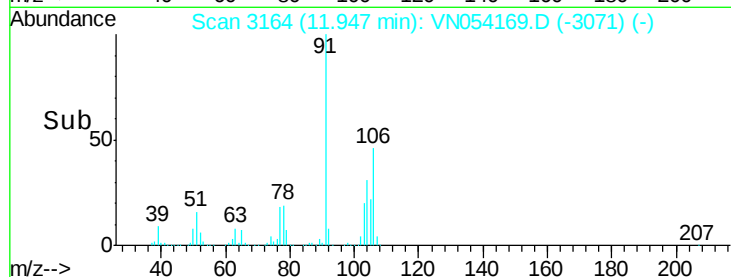
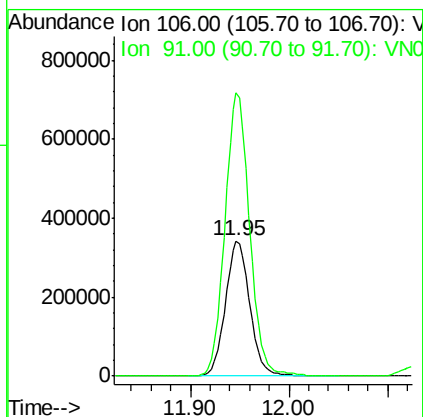
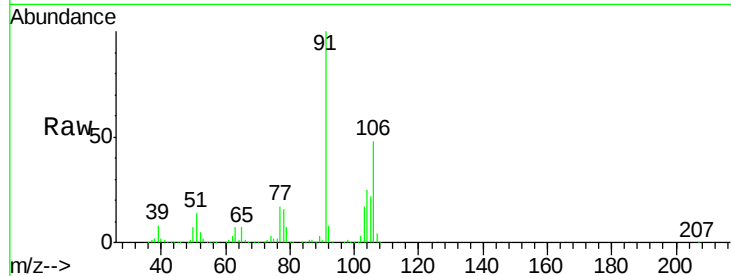




#69
o-Xylene
Concen: 21.908 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

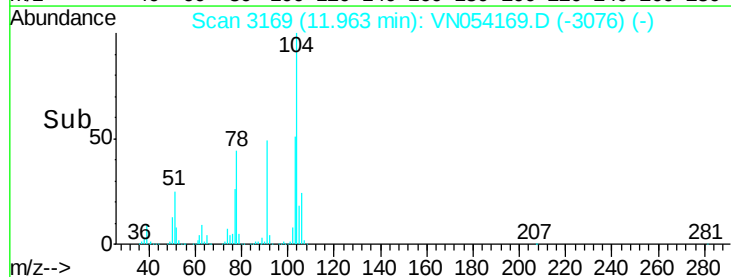
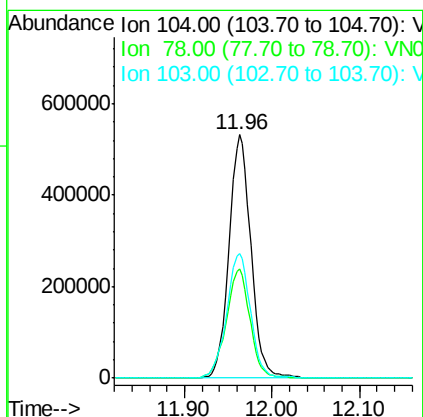
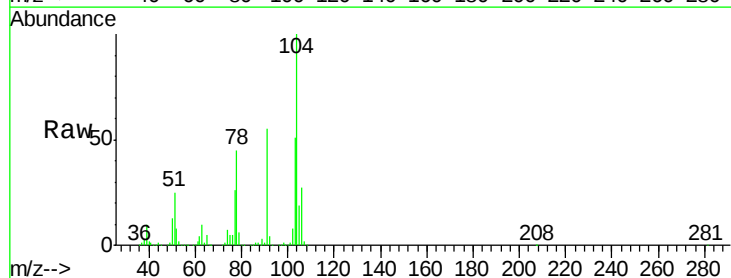
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

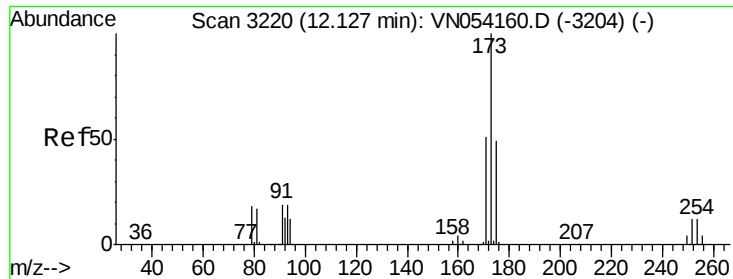
Tot Ion:106 Resp: 595092
Ion Ratio Lower Upper
106 100
91 211.1 105.7 317.1



#70
Styrene
Concen: 21.705 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion:104 Resp: 924639
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 55.7 44.4 66.6

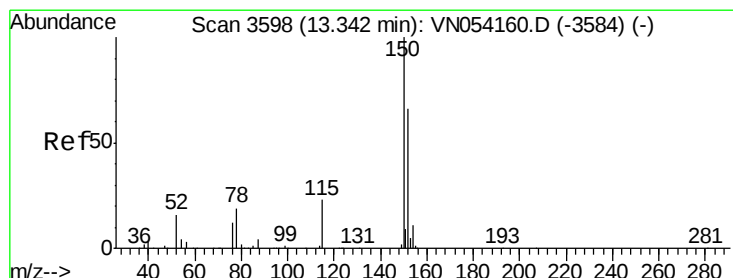
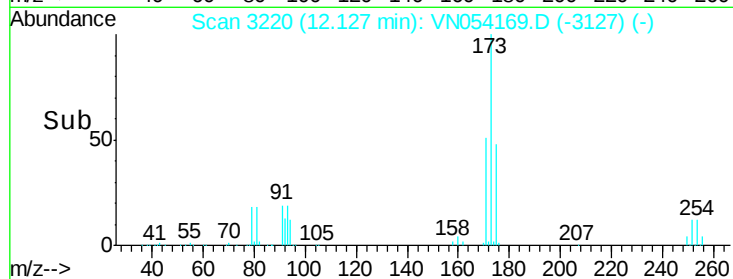
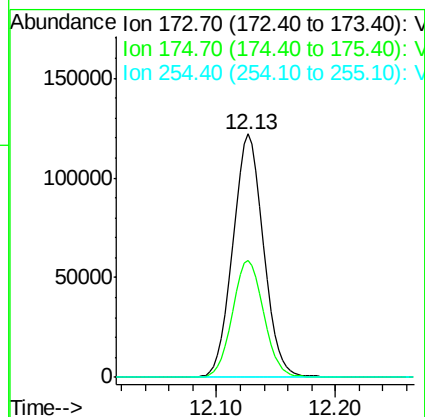
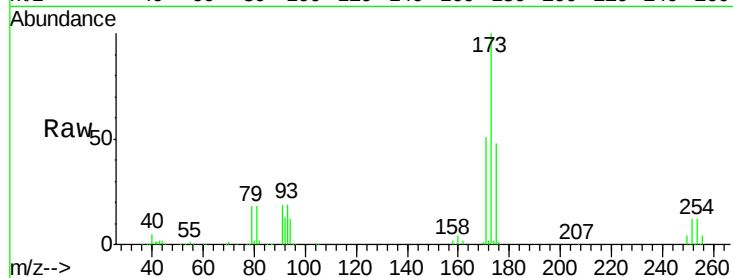




#71
Bromoform
Concen: 19.788 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

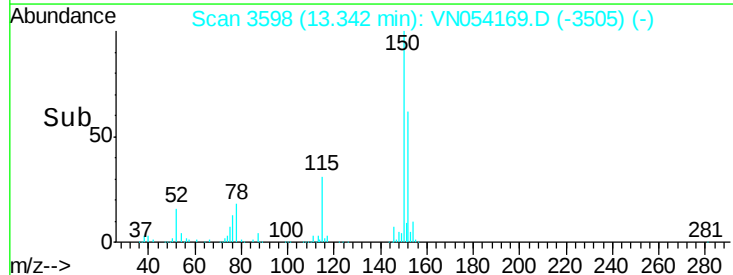
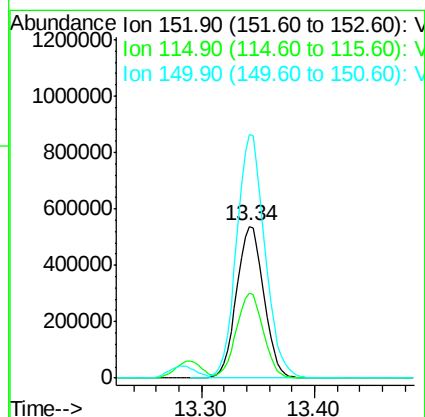
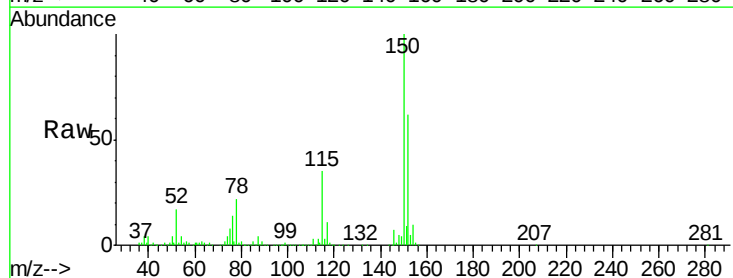
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

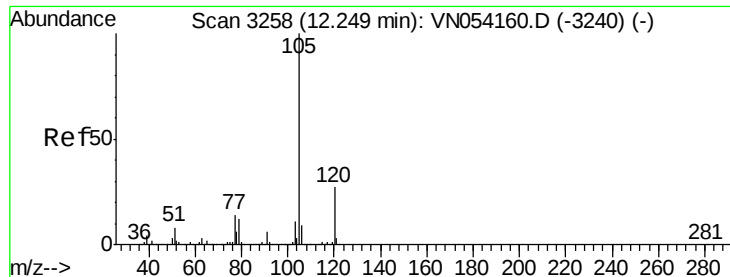
Tot Ion:173 Resp: 217917
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.2
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion:152 Resp: 904817
Ion Ratio Lower Upper
152 100
115 55.4 27.2 81.6
150 166.2 0.0 349.2





#73

Isopropylbenzene

Concen: 21.967 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

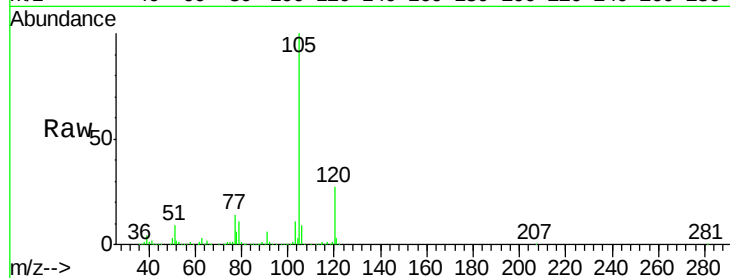
VN0312WBSD01

Tot Ion:105 Resp: 1590208

Ion Ratio Lower Upper

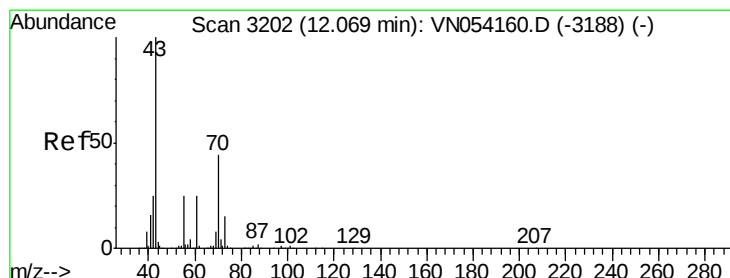
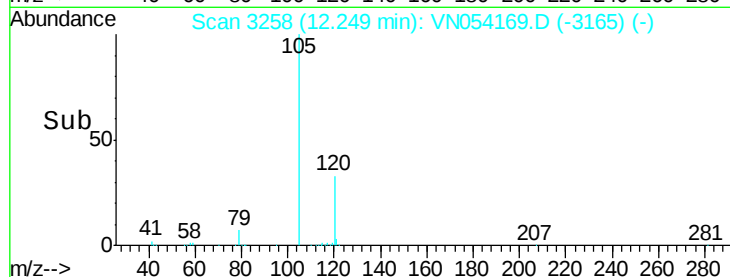
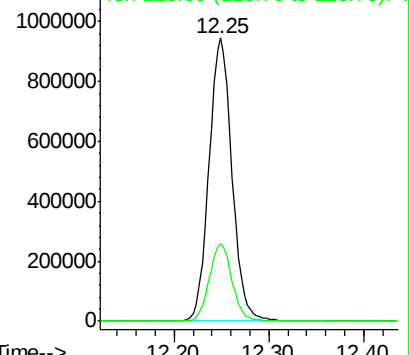
105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.832 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Tgt Ion: 43 Resp: 334741

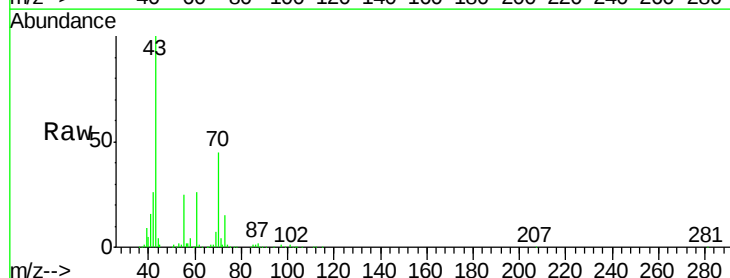
Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.0

55 26.0 19.8 29.6

61 25.6 19.8 29.6

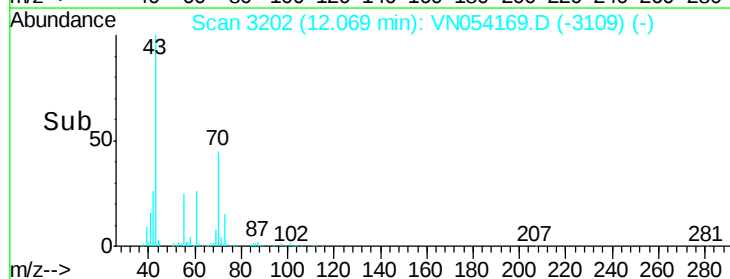
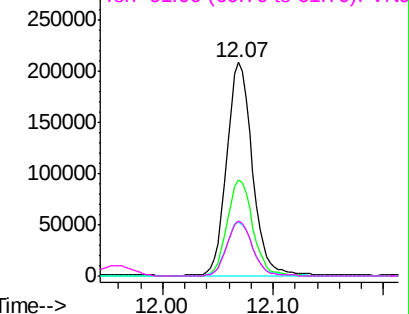


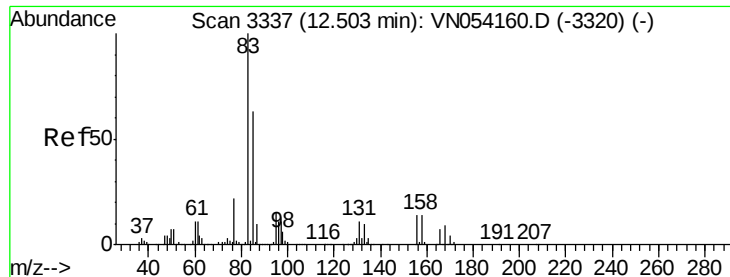
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.752 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

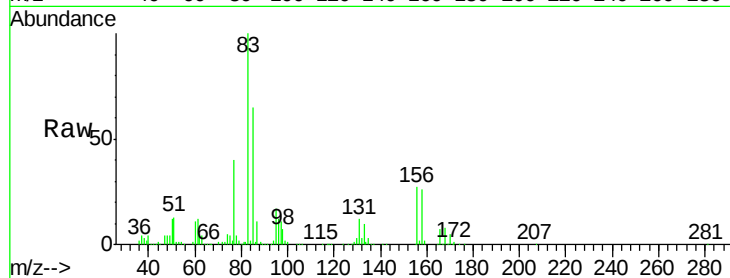
Tot Ion: 83 Resp: 335494

Ion Ratio Lower Upper

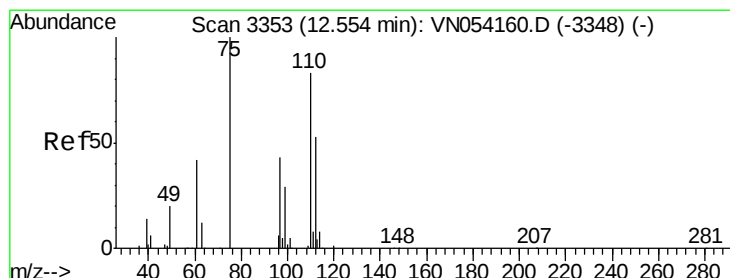
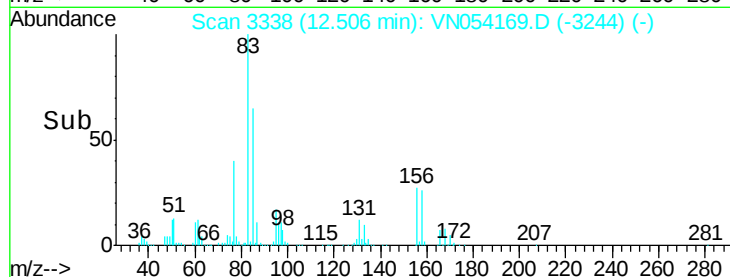
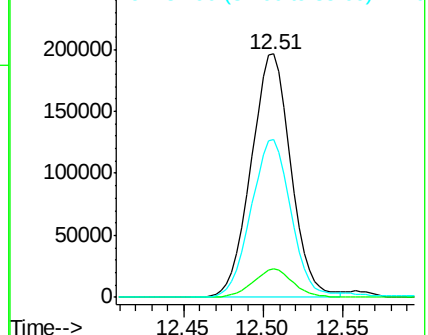
83 100

131 11.6 5.8 17.4

85 66.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 31.313 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054169.D

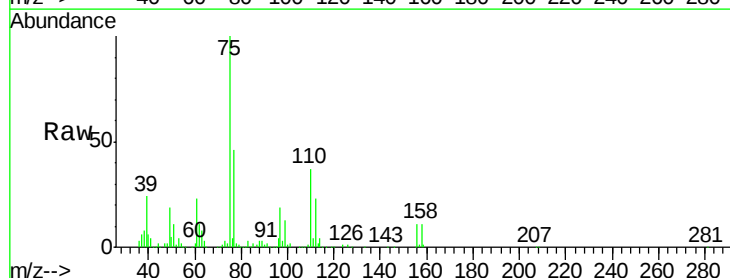
Acq: 12 Mar 2019 17:49

Tgt Ion: 75 Resp: 416645

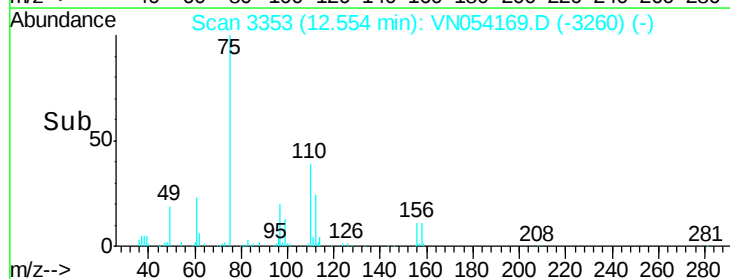
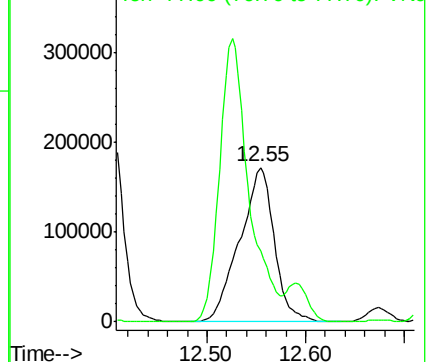
Ion Ratio Lower Upper

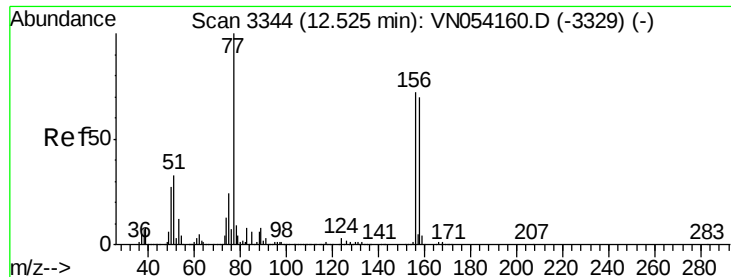
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

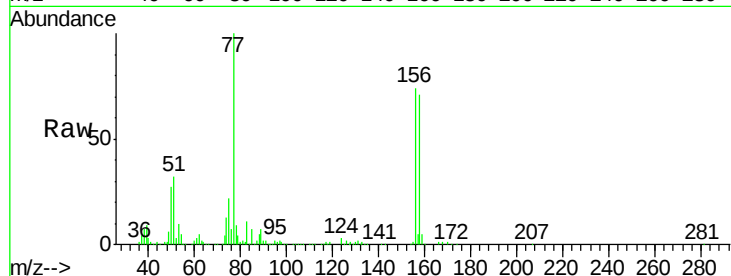
Tot Ion:156 Resp: 417171

Ion Ratio Lower Upper

156 100

77 159.2 81.5 244.4

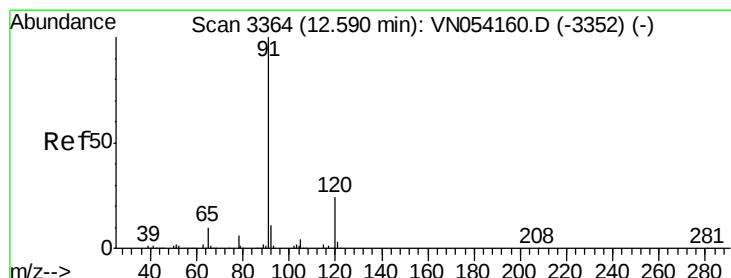
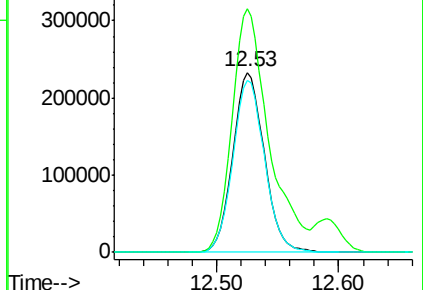
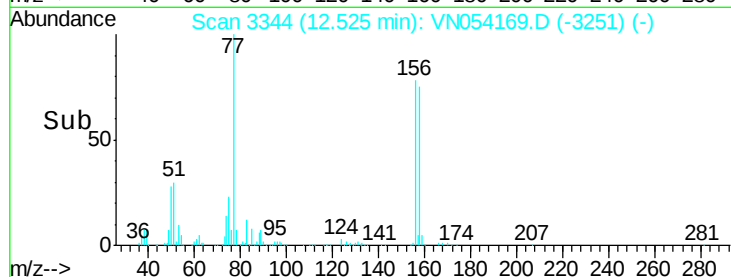
158 96.5 49.0 147.2



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: 22.050 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054169.D

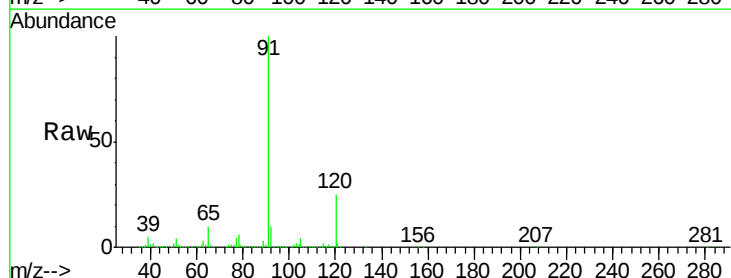
Acq: 12 Mar 2019 17:49

Tgt Ion: 91 Resp: 1732026

Ion Ratio Lower Upper

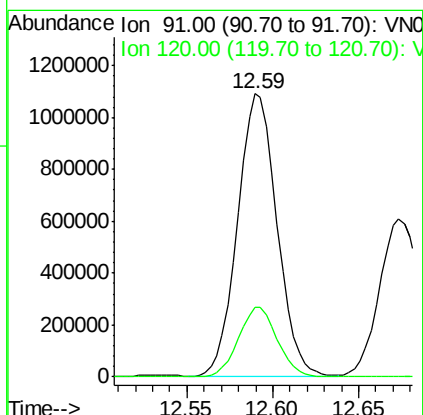
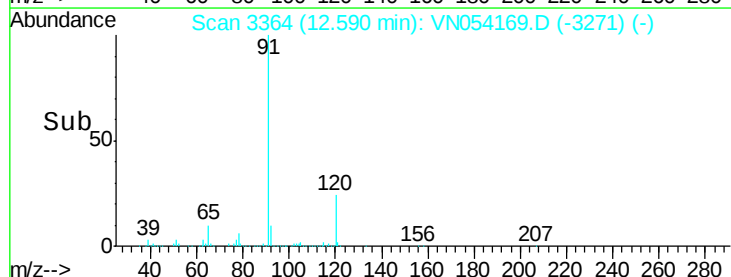
91 100

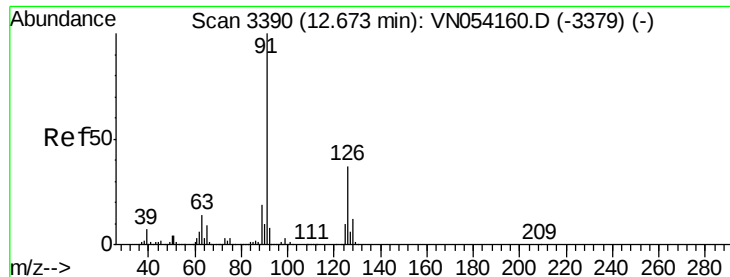
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.035 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

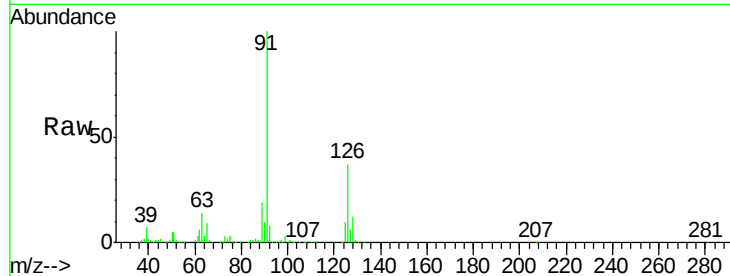
VN0312WBSD01

Tot Ion: 91 Resp: 1040694

Ion Ratio Lower Upper

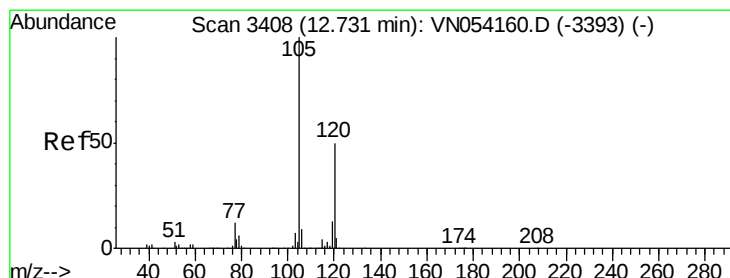
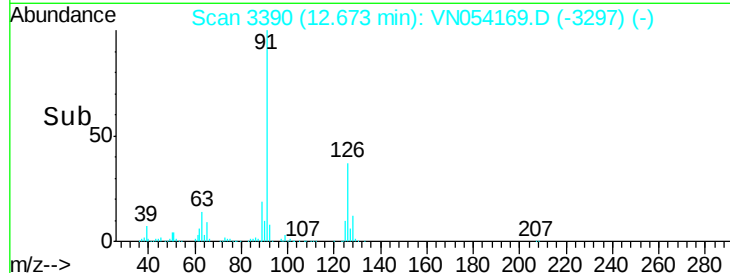
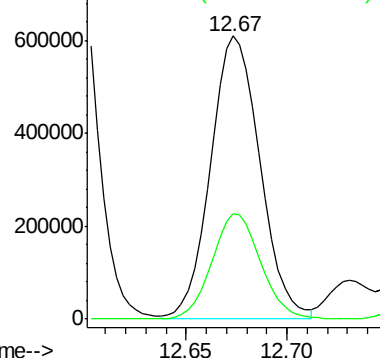
91 100

126 37.1 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: 21.675 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054169.D

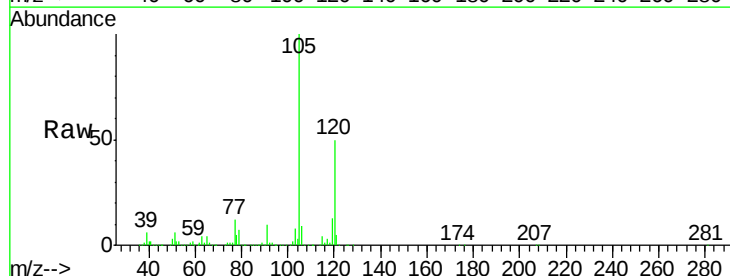
Acq: 12 Mar 2019 17:49

Tgt Ion:105 Resp: 1305156

Ion Ratio Lower Upper

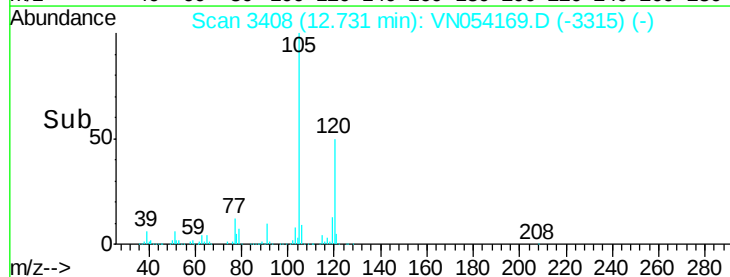
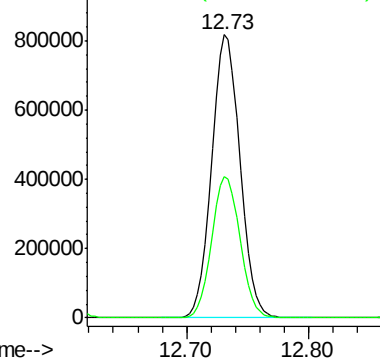
105 100

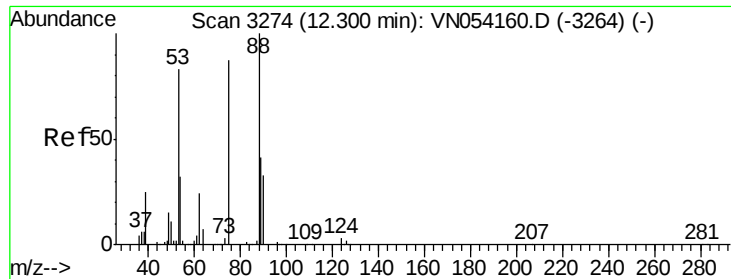
120 50.1 25.0 75.0



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: 18.705 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

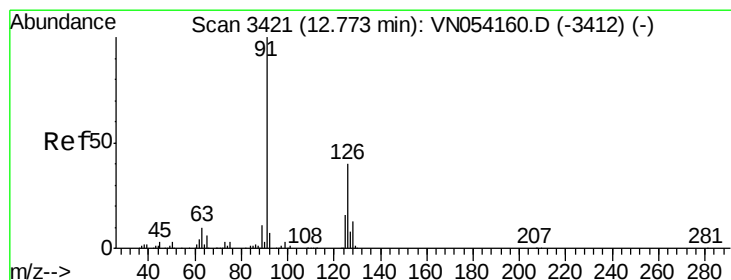
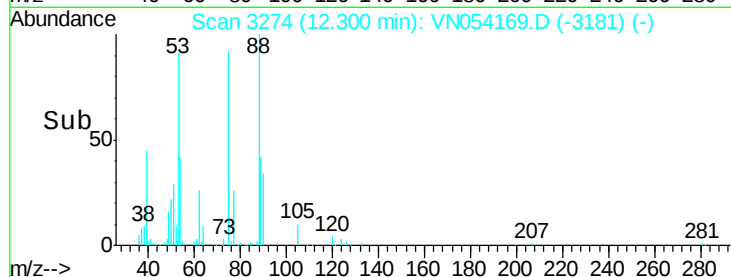
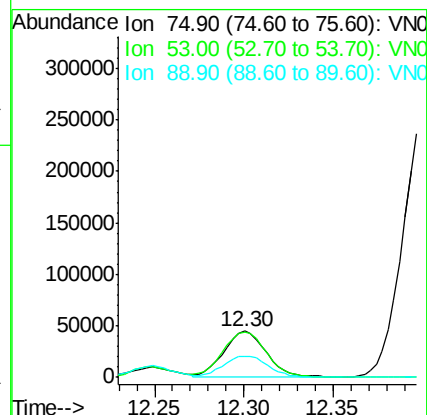
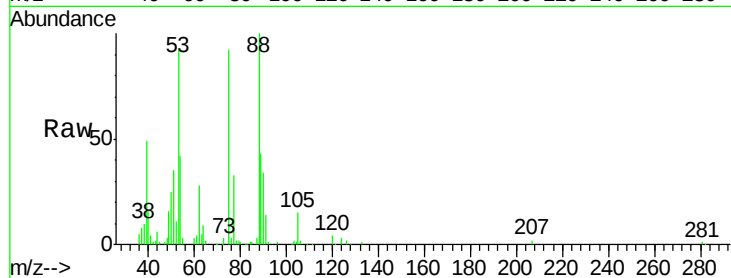
Tot Ion: 75 Resp: 72808

Ion Ratio Lower Upper

75 100

53 105.1 76.2 114.2

89 49.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 21.556 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054169.D

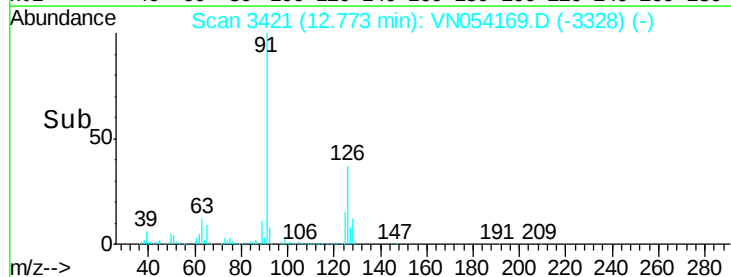
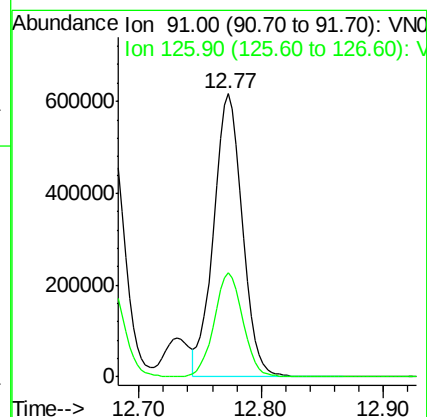
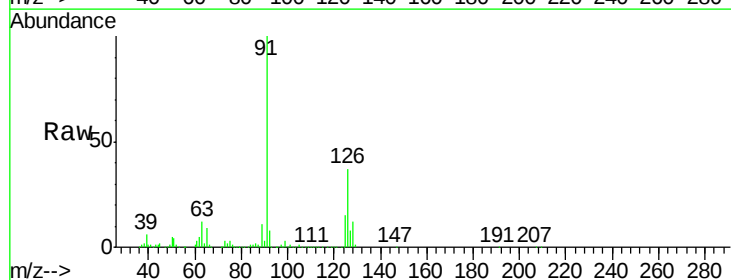
Acq: 12 Mar 2019 17:49

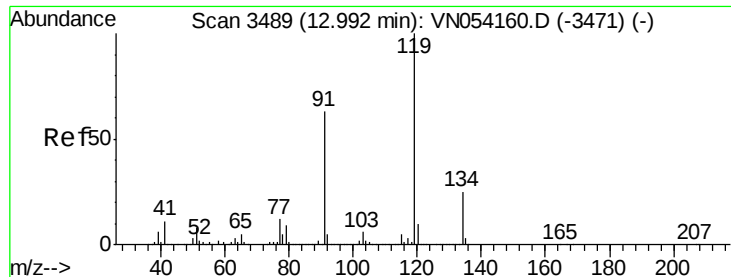
Tgt Ion: 91 Resp: 1016579

Ion Ratio Lower Upper

91 100

126 36.8 18.1 54.1

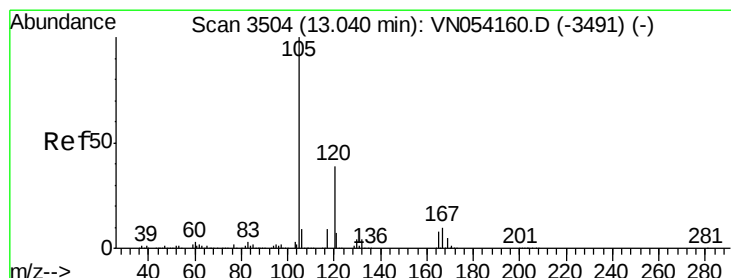
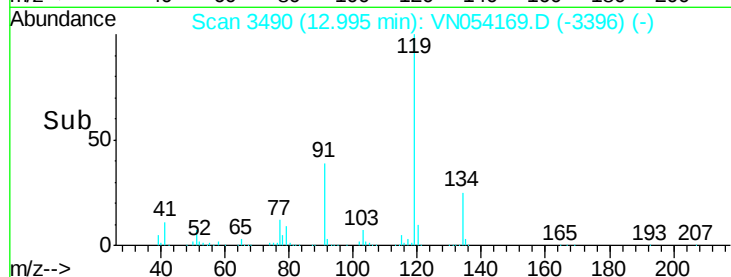
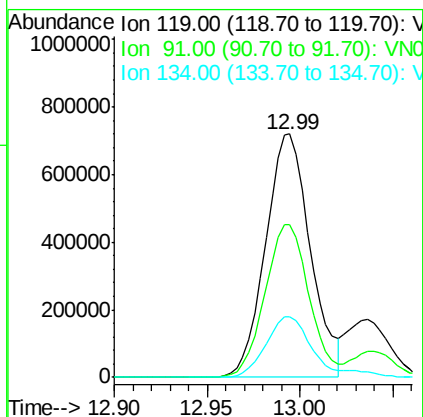
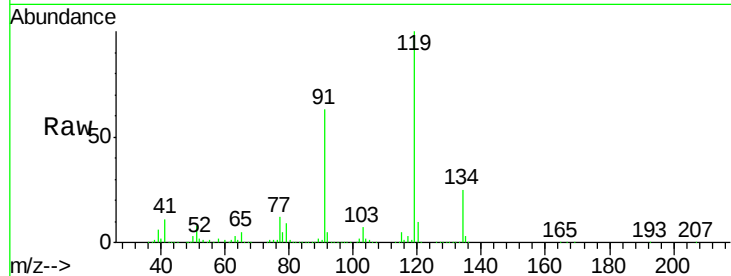




#83
 tert-Butylbenzene
 Concen: 21.952 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

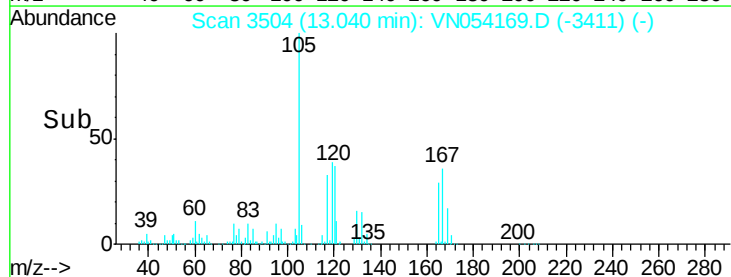
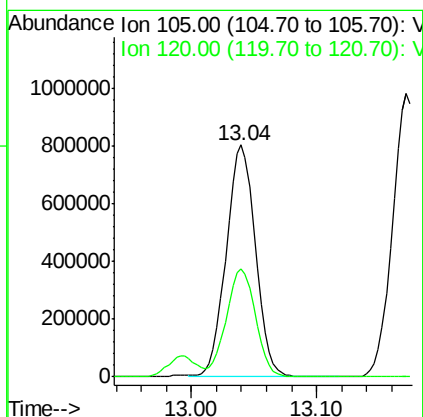
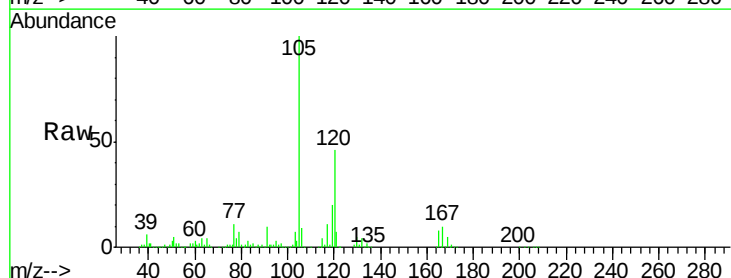
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

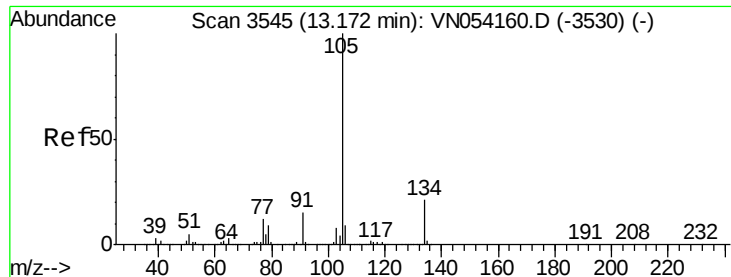
Tot Ion:119 Resp: 1216633
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.9 92.8
 134 26.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.991 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion:105 Resp: 1299054
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 22.015 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleID :

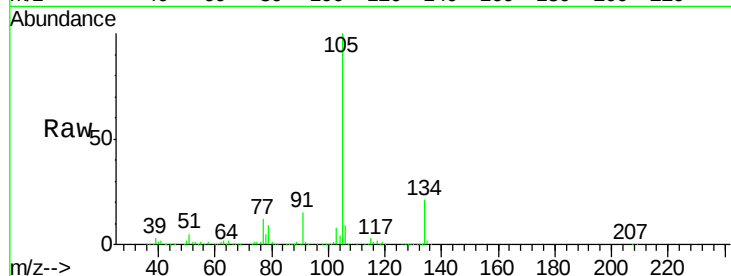
VN0312WBSD01

Tot Ion:105 Resp: 1582368

Ion Ratio Lower Upper

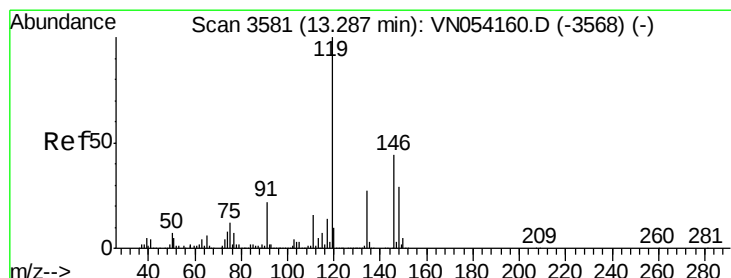
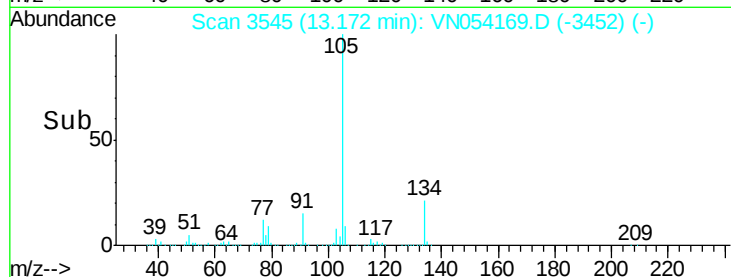
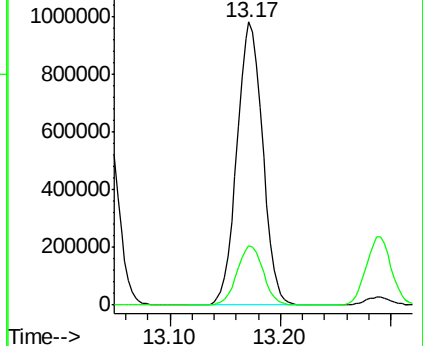
105 100

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



#86

p-Isopropyltoluene

Concen: 21.791 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

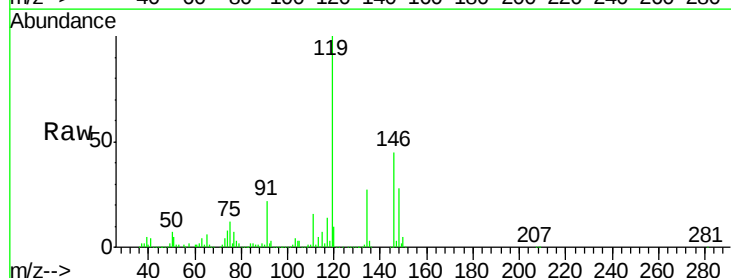
Tgt Ion:119 Resp: 1374059

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

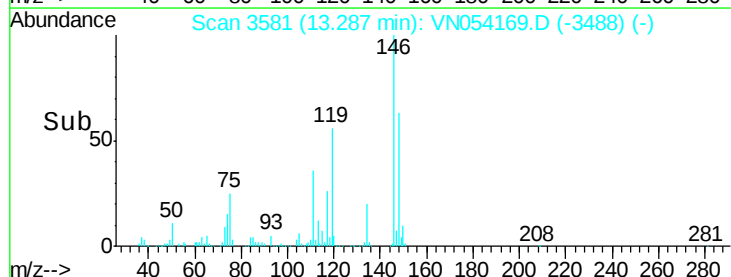
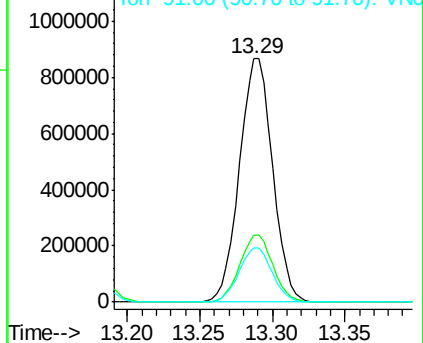
91 22.5 11.1 33.3

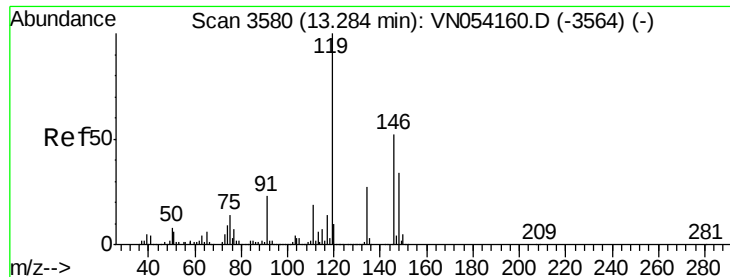


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.027 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

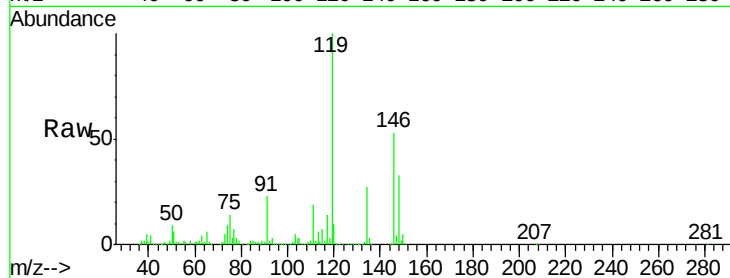
Tot Ion:146 Resp: 710991

Ion Ratio Lower Upper

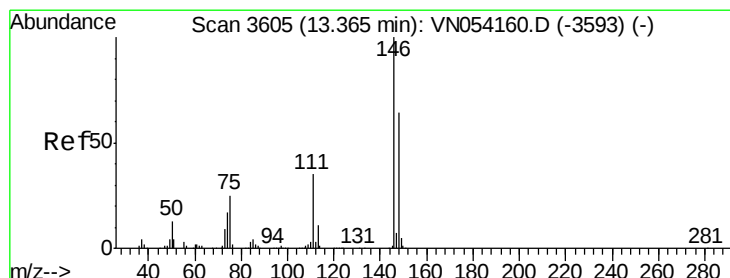
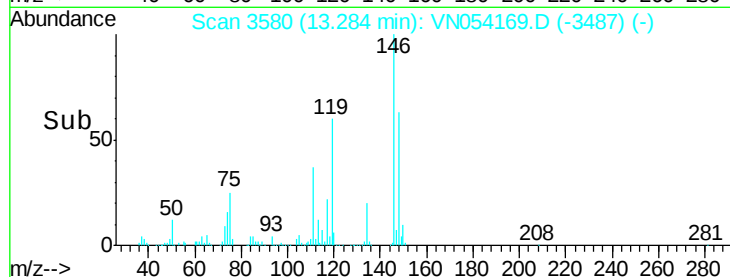
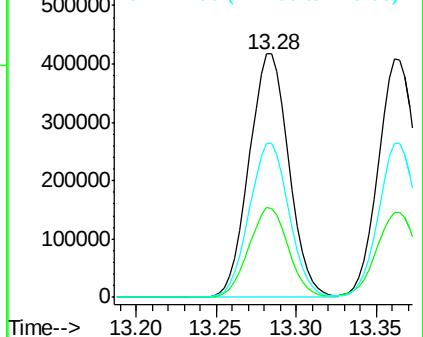
146 100

111 36.5 18.8 56.3

148 63.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 21.763 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

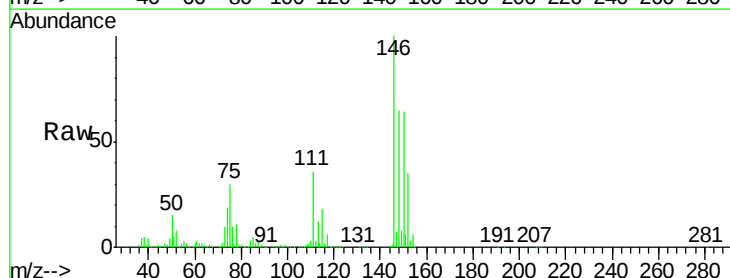
Tgt Ion:146 Resp: 690066

Ion Ratio Lower Upper

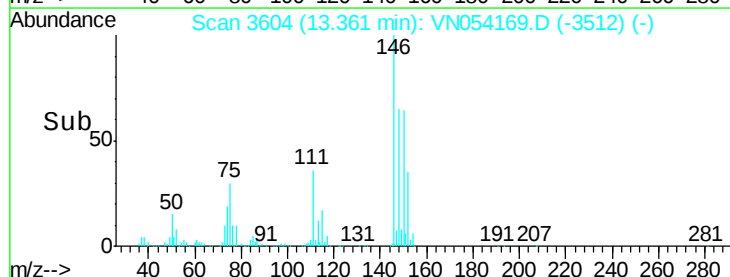
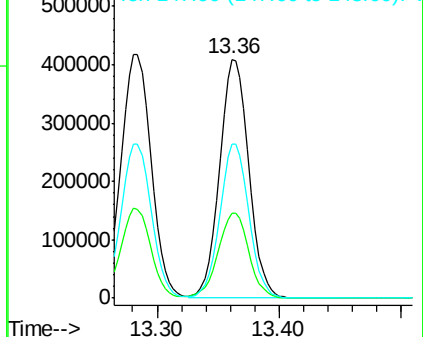
146 100

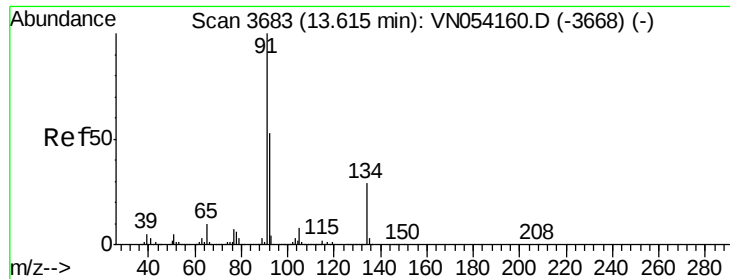
111 37.2 18.1 54.1

148 64.3 32.0 96.0



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

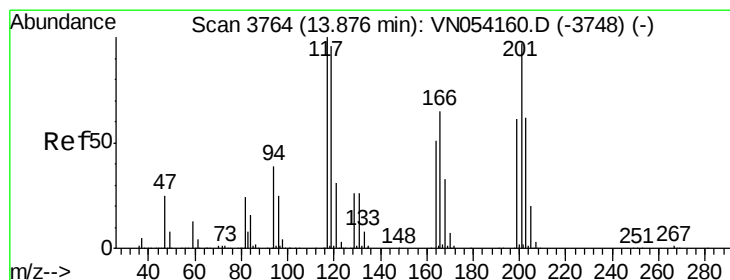
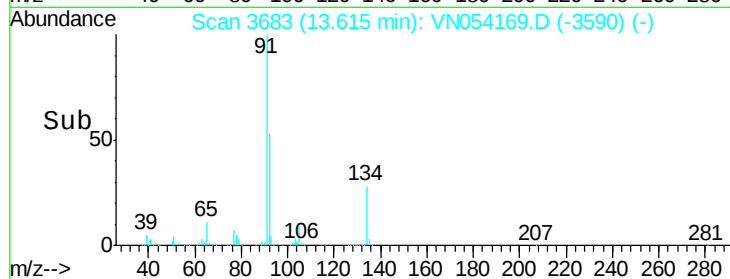
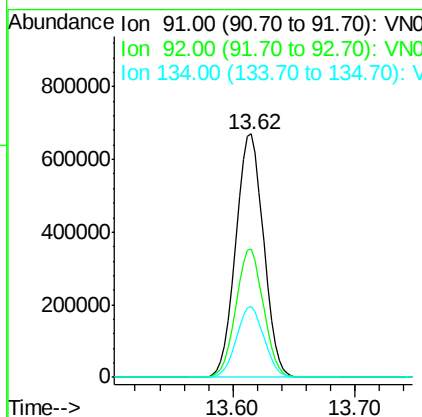
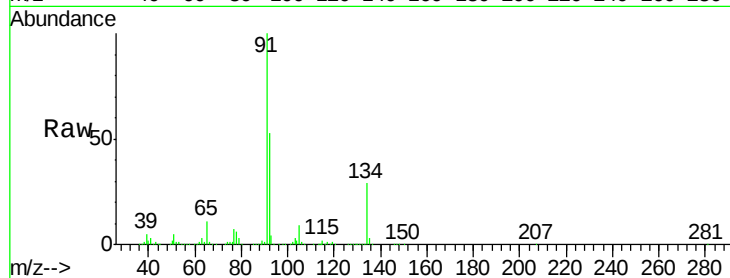




#89
n-Butylbenzene
Concen: 21.997 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

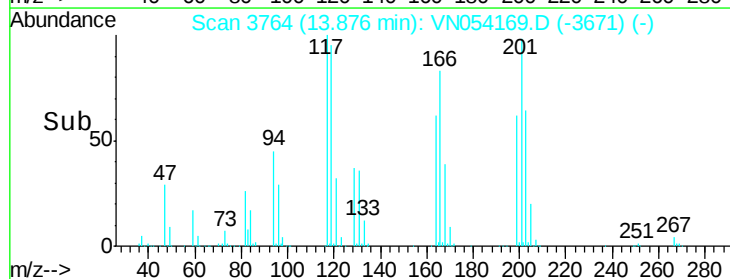
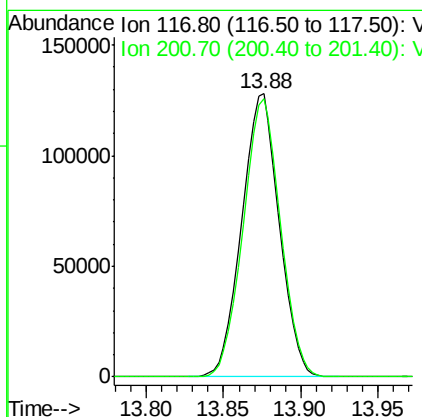
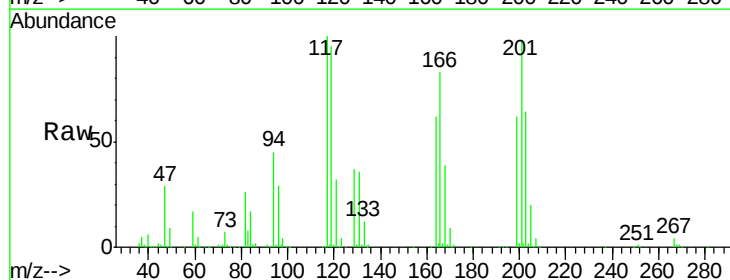
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

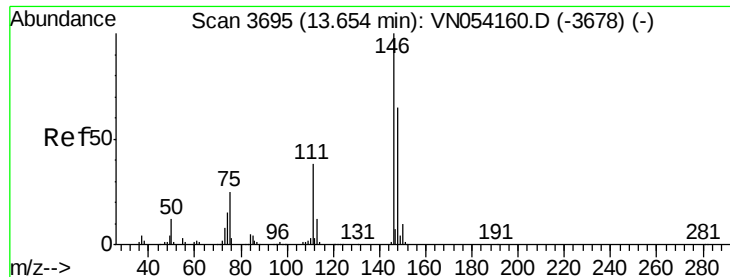
Tot Ion: 91 Resp: 1053915
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 28.8 14.3 42.9



#90
Hexachloroethane
Concen: 20.640 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054169.D
Acq: 12 Mar 2019 17:49

Tgt Ion: 117 Resp: 215505
Ion Ratio Lower Upper
117 100
201 97.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 22.339 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

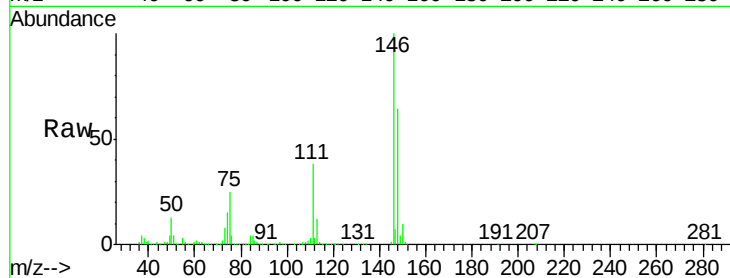
Tot Ion:146 Resp: 704906

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

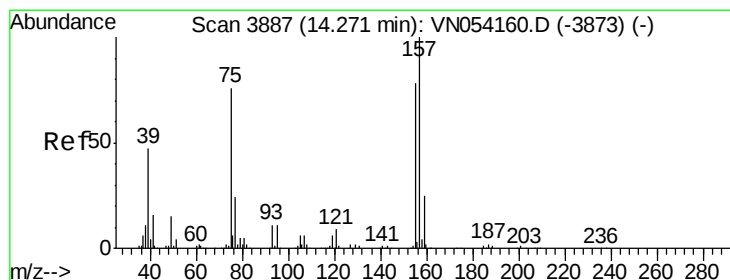
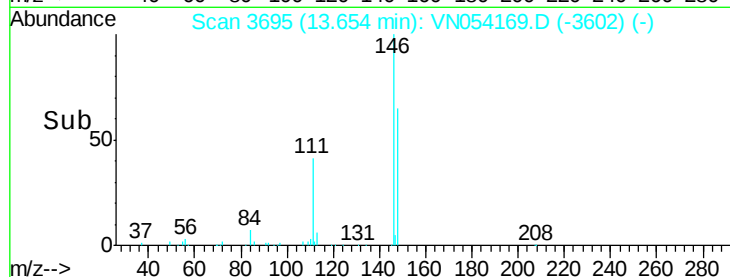
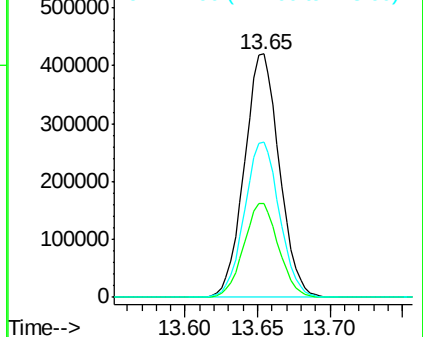
148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.115 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

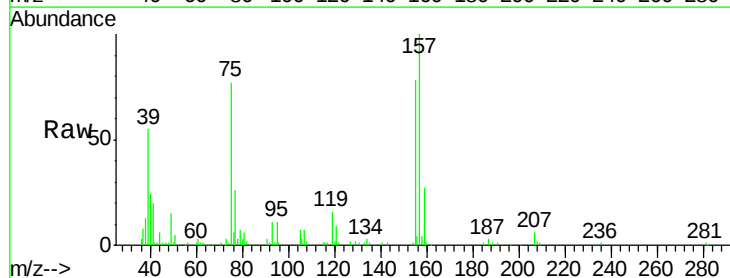
Tgt Ion: 75 Resp: 50395

Ion Ratio Lower Upper

75 100

155 99.4 50.1 150.3

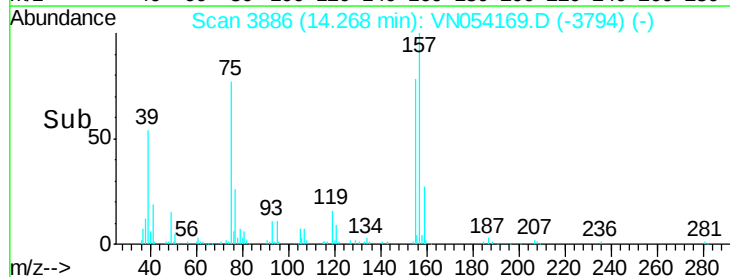
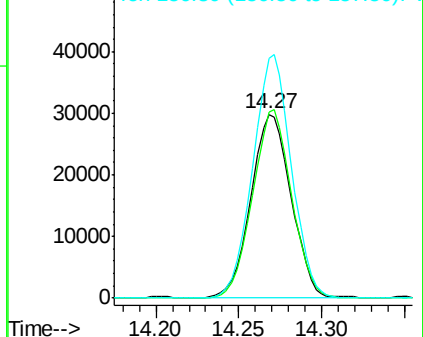
157 127.2 63.1 189.3

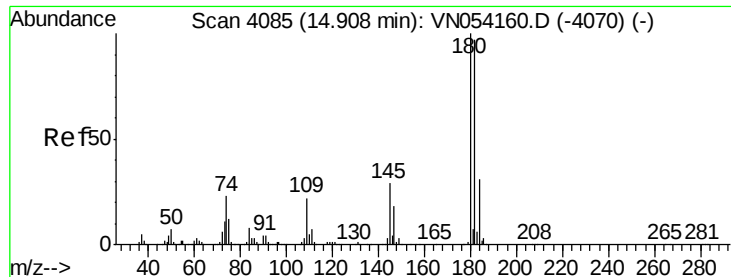


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

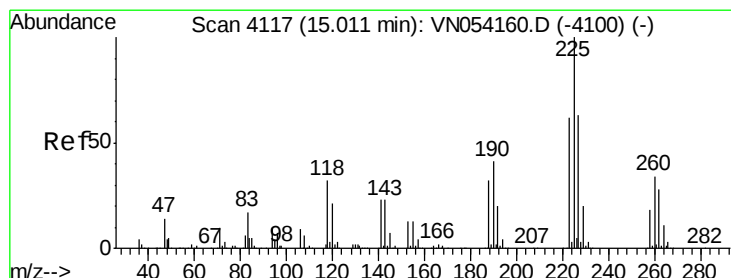
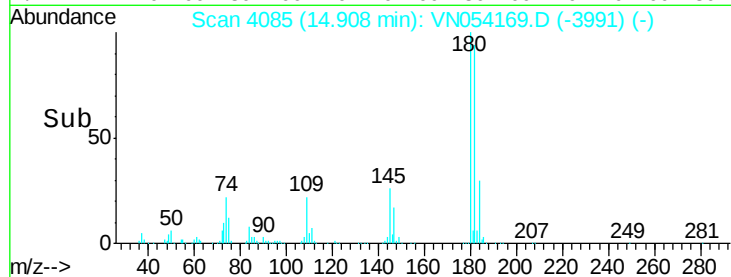
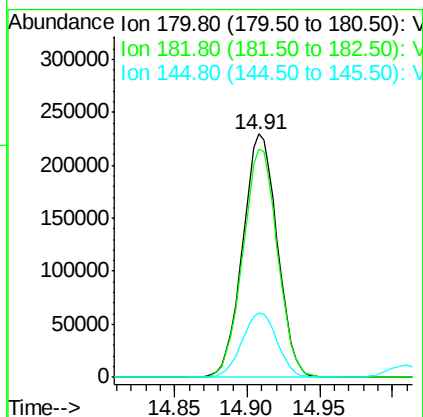
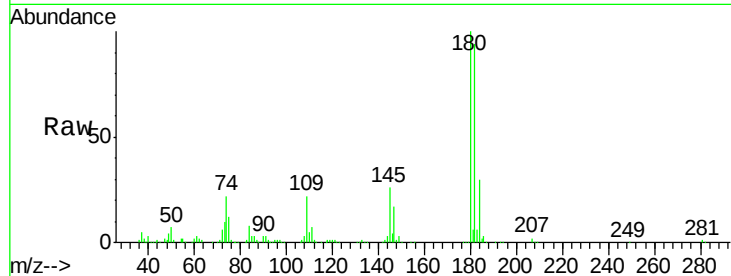




#93
 1,2,4-Trichlorobenzene
 Concen: 21.470 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

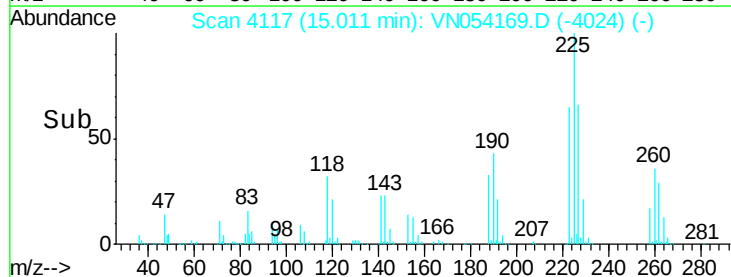
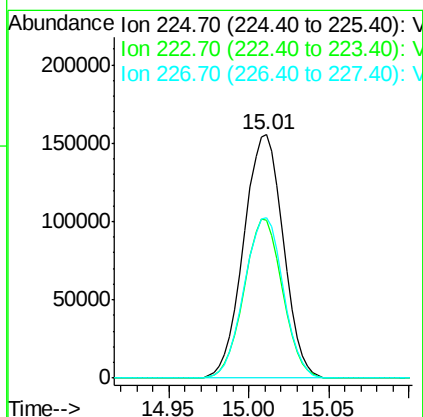
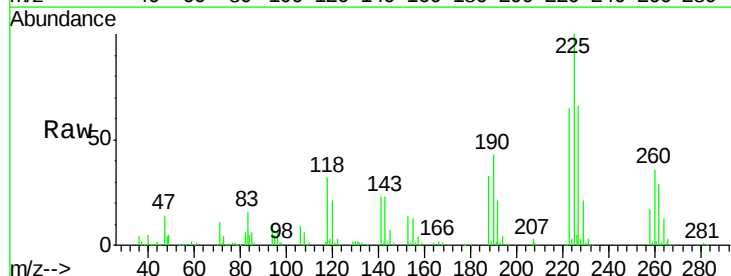
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

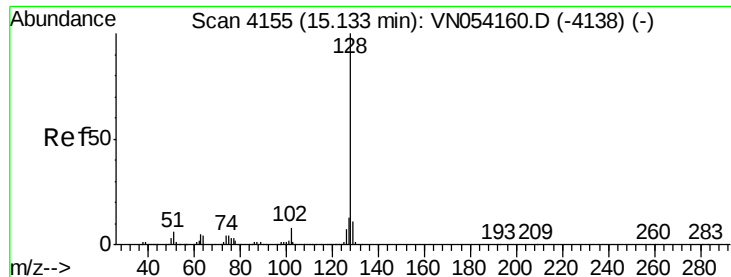
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	27.0	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 21.843 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054169.D
 Acq: 12 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.5
227	65.2	31.9	95.9





#95

Naphthalene

Concen: 20.864 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

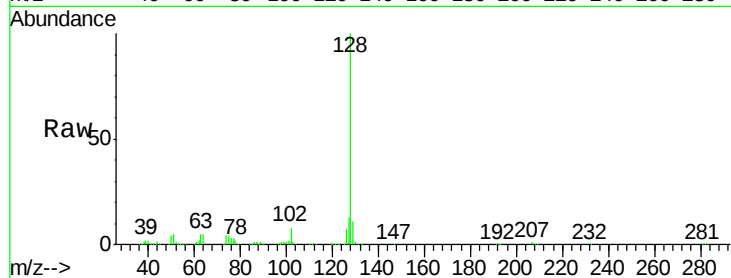
Tot Ion:128 Resp: 741771

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.0 8.7 13.1

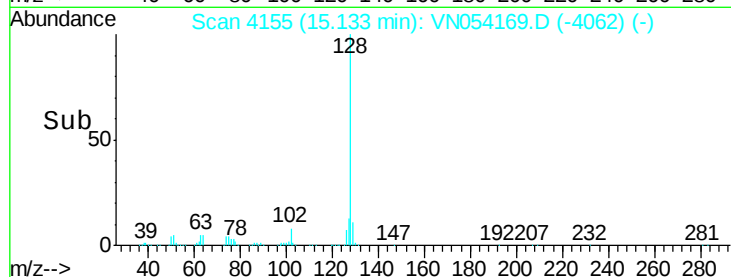


Abundance Ion 128.00 (127.70 to 128.70): V

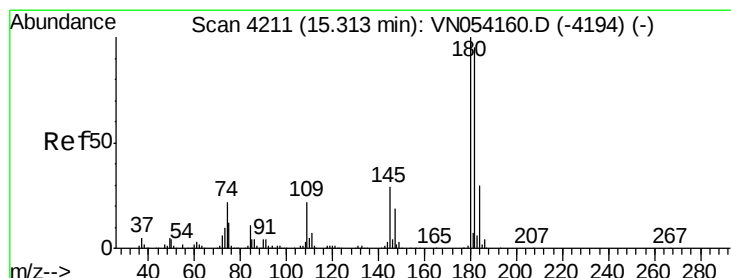
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 22.604 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054169.D

Acq: 12 Mar 2019 17:49

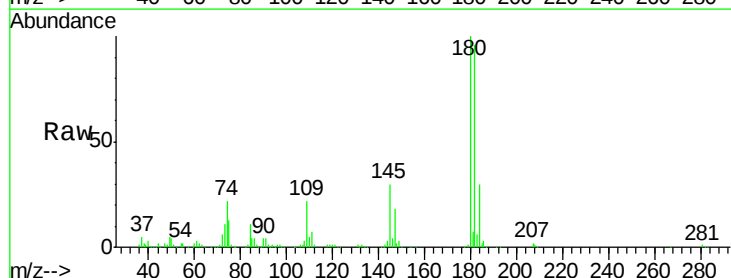
Tgt Ion:180 Resp: 378966

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.6

145 29.6 14.8 44.3

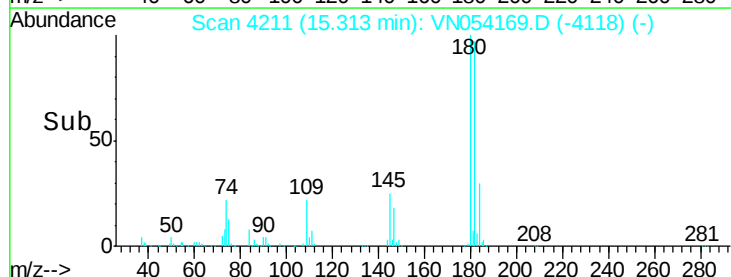


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31



Time-->