

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054815.D
 Acq On : 30 Mar 2019 20:52
 Operator : JC/SP
 Sample : VN0330WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Quant Time: Mar 30 22:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244096	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	296835	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	228723	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.09	98	816209	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.40	95	266253	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84433	20.304	ug/l	98
3) Chloromethane	2.07	50	114293	19.877	ug/l	94
4) Vinyl Chloride	2.19	62	107078	20.737	ug/l	98
5) Bromomethane	2.57	94	43139	14.332	ug/l	97
6) Chloroethane	2.71	64	60797	21.086	ug/l	97
7) Trichlorofluoromethane	3.02	101	137964	21.733	ug/l	97
8) Diethyl Ether	3.41	74	47313	23.146	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68716	20.562	ug/l	93
10) Methyl Iodide	3.94	142	59295	12.961	ug/l #	85
11) Tert butyl alcohol	4.83	59	45020	155.914	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	68466	21.186	ug/l #	69
13) Acrolein	3.61	56	37100	143.723	ug/l	95
14) Allyl chloride	4.31	41	164833	20.708	ug/l #	92
15) Acrylonitrile	5.00	53	205283	127.906	ug/l	100
16) Acetone	3.82	43	148814	112.604	ug/l #	80
17) Carbon Disulfide	4.04	76	174314	16.631	ug/l	99
18) Methyl Acetate	4.33	43	97552	27.934	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	274193	24.256	ug/l	95
20) Methylene Chloride	4.55	84	100205	21.495	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	91452	21.545	ug/l	88
22) Diisopropyl ether	5.96	45	357424	22.703	ug/l #	93
23) Vinyl Acetate	5.91	43	1320435	120.522	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	190721	22.710	ug/l	97
25) 2-Butanone	6.85	43	263712	134.992	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	93264	15.845	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105653	22.033	ug/l	89
28) Bromochloromethane	7.20	49	101291	24.120	ug/l #	71
29) Tetrahydrofuran	7.23	42	178501	131.558	ug/l #	86
30) Chloroform	7.37	83	184419	23.029	ug/l	97
31) Cyclohexane	7.65	56	174906	21.690	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148852	22.430	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130896	19.600	ug/l	96
37) Ethyl Acetate	6.95	43	113333	23.142	ug/l	97
38) Carbon Tetrachloride	7.77	117	125035	19.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137675	18.752	ug/l #	88
40) Benzene	8.04	78	405377	21.214	ug/l	98
41) Methacrylonitrile	7.18	41	66701	24.245	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146917	21.532	ug/l	97
43) Isopropyl Acetate	8.17	43	192200	24.153	ug/l #	95
44) Trichloroethene	8.84	130	100695	20.299	ug/l	92
45) 1,2-Dichloropropane	9.12	63	113342	20.801	ug/l	96
46) Dibromomethane	9.21	93	66804	21.795	ug/l	89
47) Bromodichloromethane	9.40	83	136386	21.410	ug/l	98
48) Methyl methacrylate	9.20	41	95126	22.053	ug/l	88
49) 1,4-Dioxane	9.21	88	21515	502.685	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	553895	123.806	ug/l	93
52) Toluene	10.16	92	231201	20.333	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119090	19.874	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	145966	20.392	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	90682	21.448	ug/l	95
56) Ethyl methacrylate	10.43	69	120375	21.704	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	156987	21.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	225892	100.988	ug/l #	88
59) 2-Hexanone	10.75	43	338119	118.058	ug/l	90
60) Dibromochloromethane	10.90	129	91259	21.308	ug/l	98
61) 1,2-Dibromoethane	11.01	107	87425	21.637	ug/l	100
64) Tetrachloroethene	10.63	164	95347	20.801	ug/l	95
65) Chlorobenzene	11.44	112	236586	20.229	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	93353	21.326	ug/l	97
67) Ethyl Benzene	11.51	91	428667	20.311	ug/l	98
68) m/p-Xylenes	11.62	106	315056	40.340	ug/l	94
69) o-Xylene	11.95	106	155121	20.255	ug/l	96
70) Styrene	11.97	104	252223	20.597	ug/l	96
71) Bromoform	12.13	173	54645	21.308	ug/l #	100
73) Isopropylbenzene	12.25	105	405874	20.343	ug/l	98
74) N-amyl acetate	12.07	43	140446	22.595	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	112199	24.642	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	126723	29.884	ug/l #	100
77) Bromobenzene	12.53	156	96675	20.077	ug/l	82
78) n-propylbenzene	12.59	91	440266	20.077	ug/l	96
79) 2-Chlorotoluene	12.68	91	271859	20.039	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	330789	20.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20530	18.832	ug/l #	77
82) 4-Chlorotoluene	12.77	91	264642	20.083	ug/l	96
83) tert-Butylbenzene	12.99	119	280440	20.894	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	321200	20.594	ug/l	96
85) sec-Butylbenzene	13.17	105	353581	19.882	ug/l	98
86) p-Isopropyltoluene	13.29	119	302282	19.272	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	163616	20.295	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	152635	19.304	ug/l	97
89) n-Butylbenzene	13.62	91	229556	17.938	ug/l	97
90) Hexachloroethane	13.88	117	51005	19.153	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	164600	20.231	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17862	26.189	ug/l	78

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68140	17.372	ug/l	98
94) Hexachlorobutadiene	15.01	225	44297	17.711	ug/l	97
95) Naphthalene	15.13	128	173241	19.692	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	73251	18.491	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

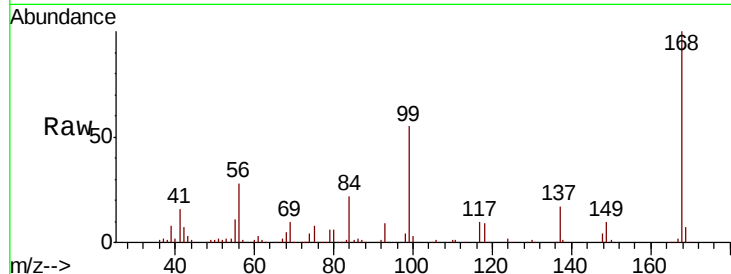
VN0330WBSD01

Tot Ion:168 Resp: 411119

Ion Ratio Lower Upper

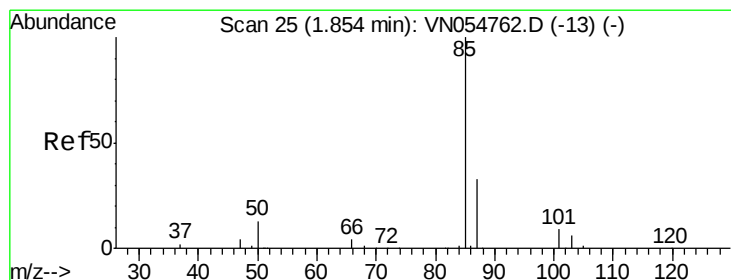
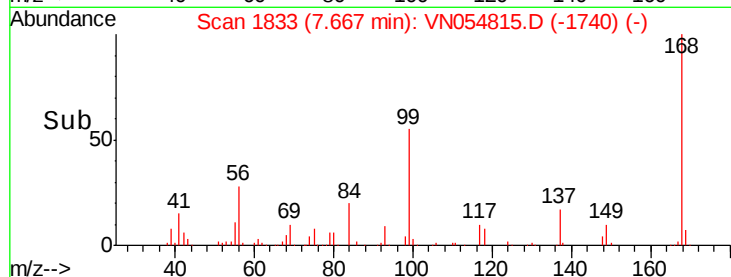
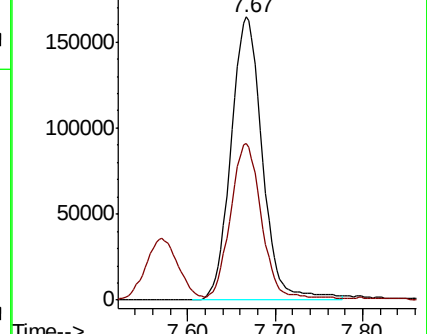
168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.304 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054815.D

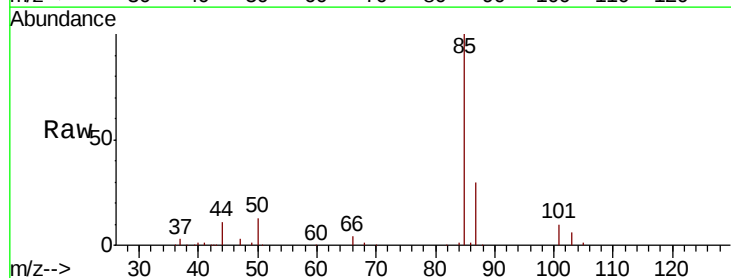
Acq: 30 Mar 2019 20:52

Tgt Ion: 85 Resp: 84433

Ion Ratio Lower Upper

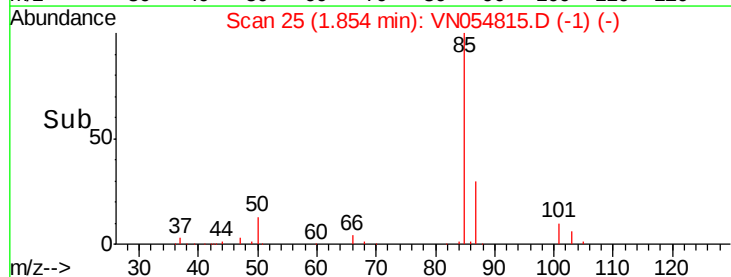
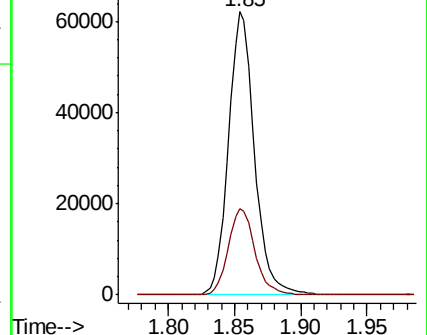
85 100

87 30.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.877 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

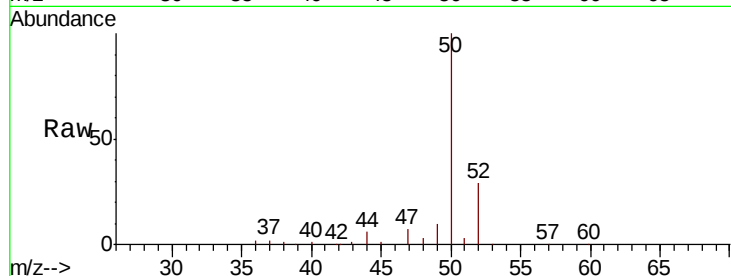
VN0330WBSD01

Tot Ion: 50 Resp: 114293

Ion Ratio Lower Upper

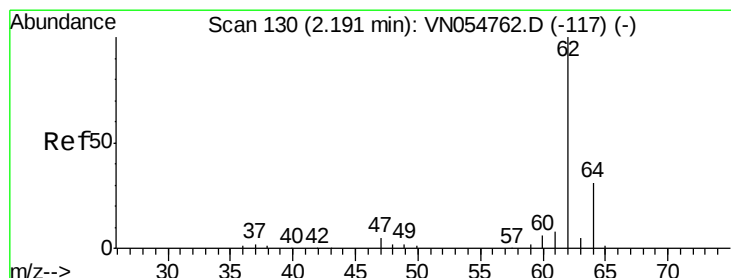
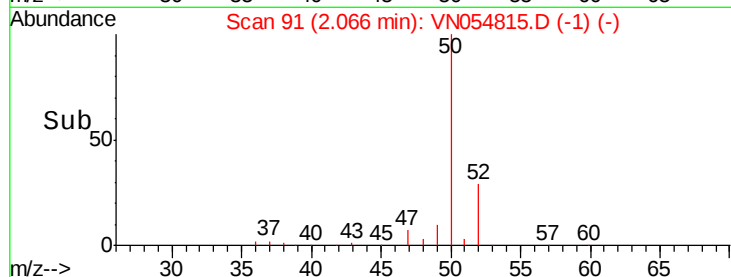
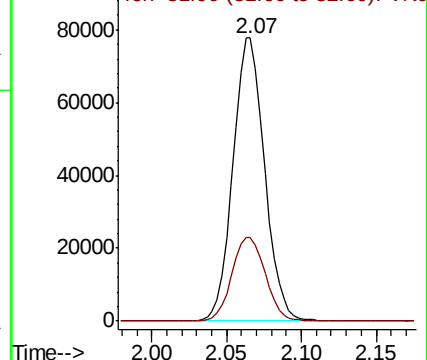
50 100

52 29.4 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: 20.737 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054815.D

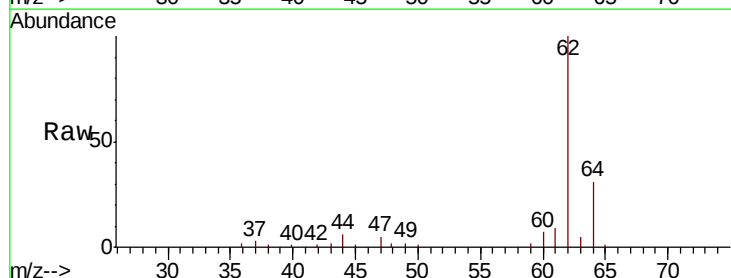
Acq: 30 Mar 2019 20:52

Tgt Ion: 62 Resp: 107078

Ion Ratio Lower Upper

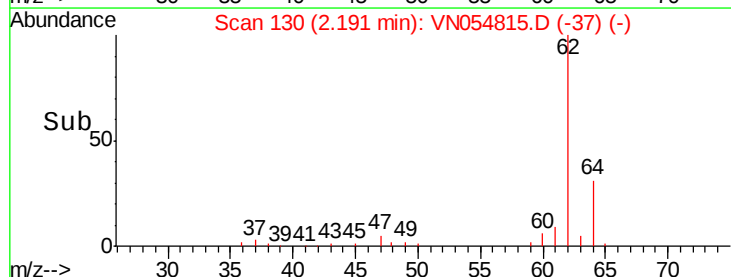
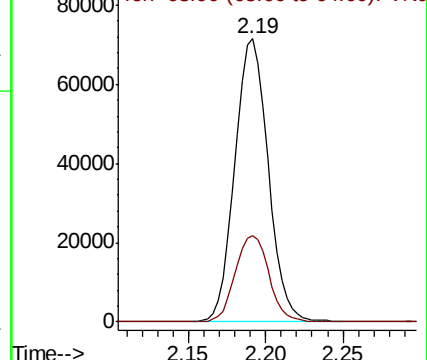
62 100

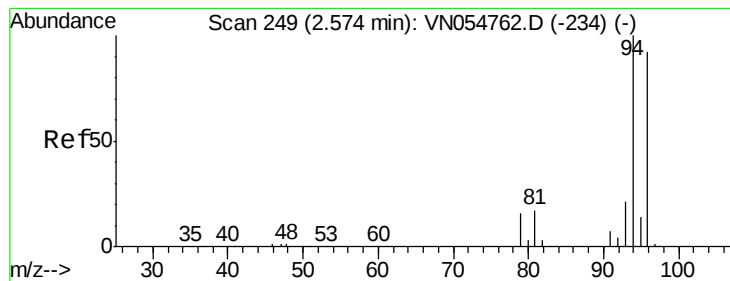
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.332 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

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ClientSampleId :

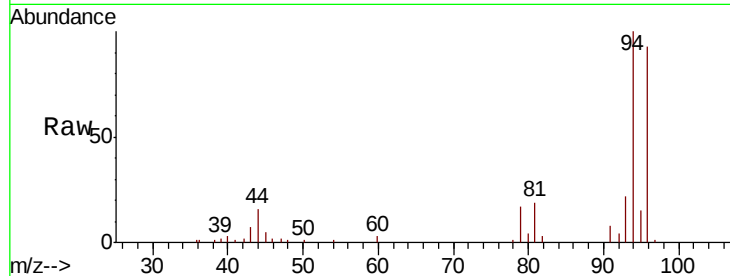
VN0330WBSD01

Tot Ion: 94 Resp: 43139

Ion Ratio Lower Upper

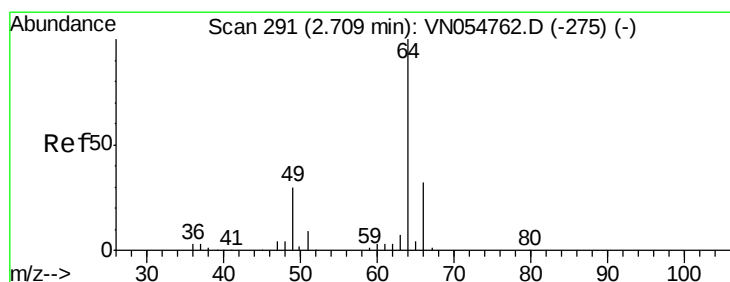
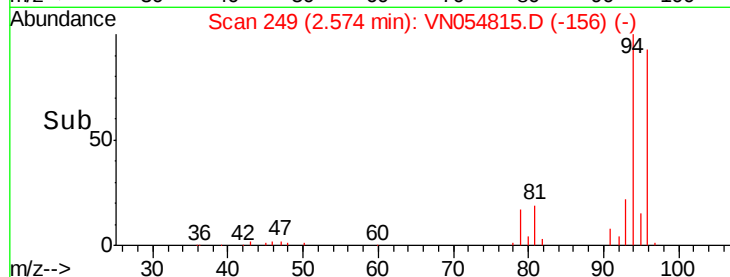
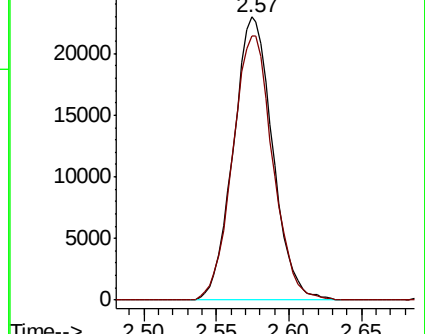
94 100

96 93.4 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: 21.086 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054815.D

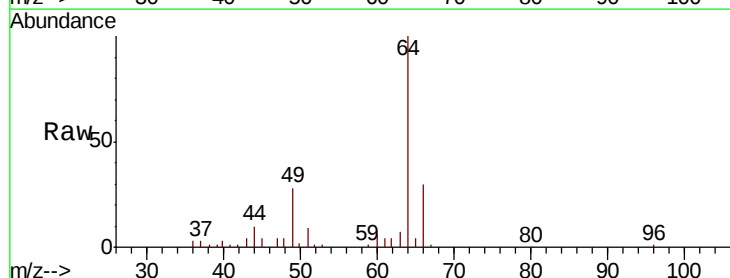
Acq: 30 Mar 2019 20:52

Tgt Ion: 64 Resp: 60797

Ion Ratio Lower Upper

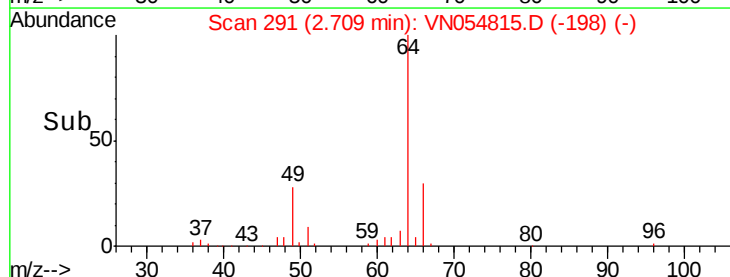
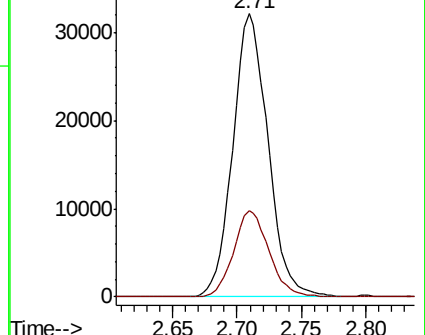
64 100

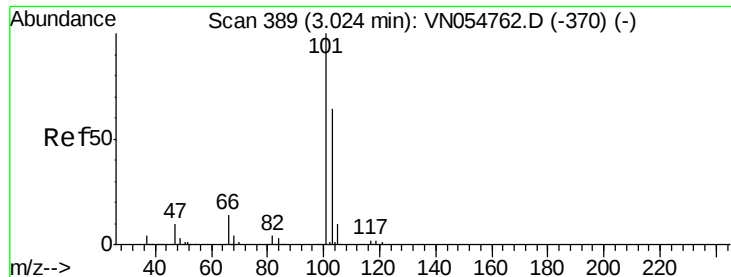
66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



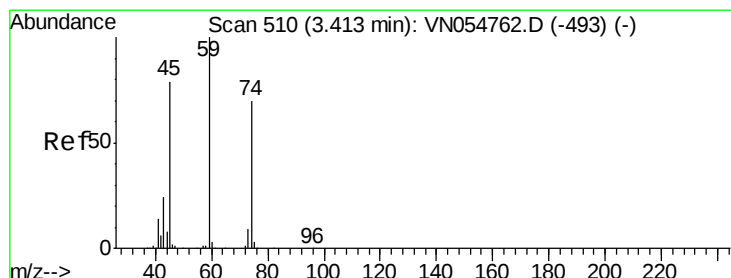
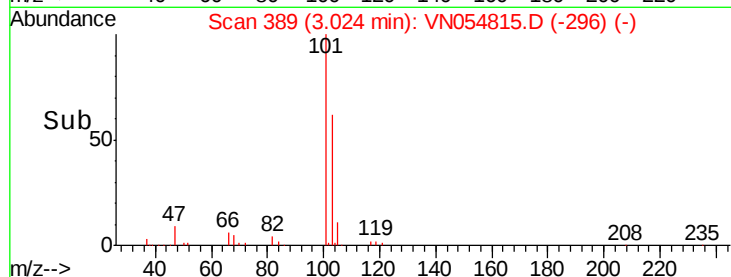
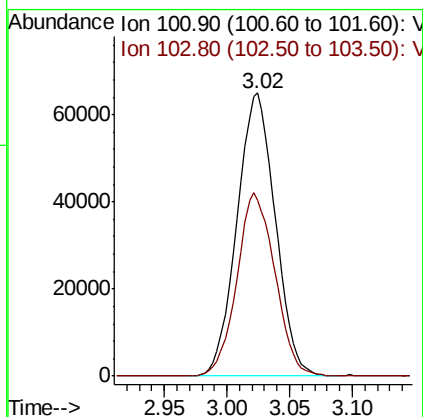
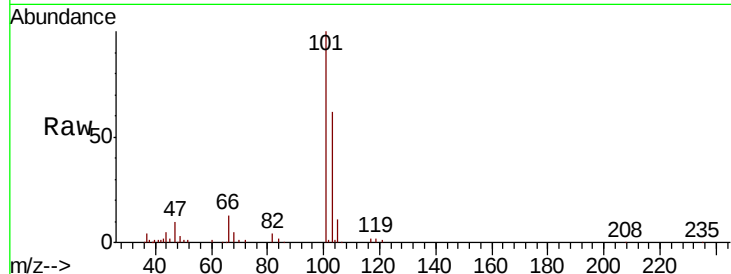


#7

Trichlorofluoromethane
 Concen: 21.733 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
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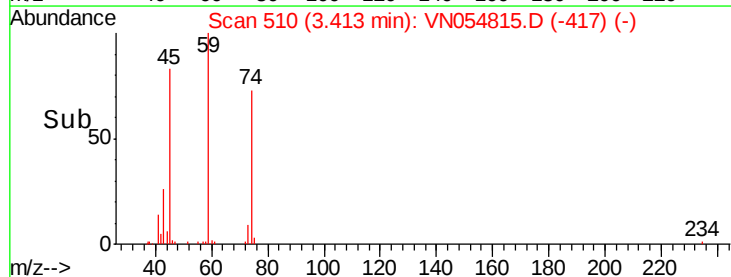
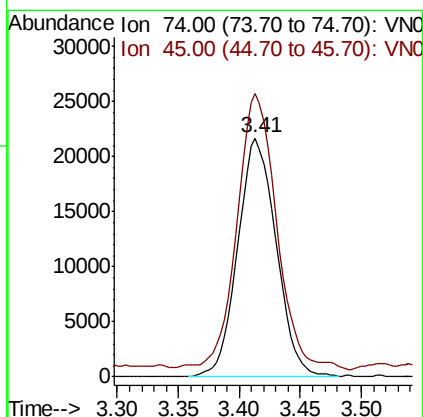
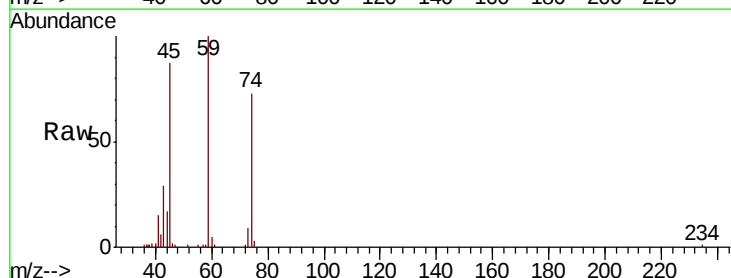
Tot Ion:101 Resp: 137964
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.4 77.2

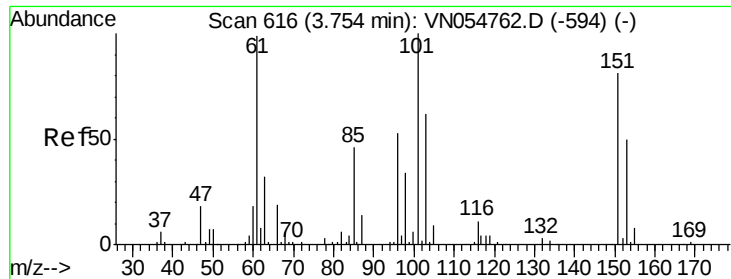


#8

Diethyl Ether
 Concen: 23.146 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 74 Resp: 47313
 Ion Ratio Lower Upper
 74 100
 45 112.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

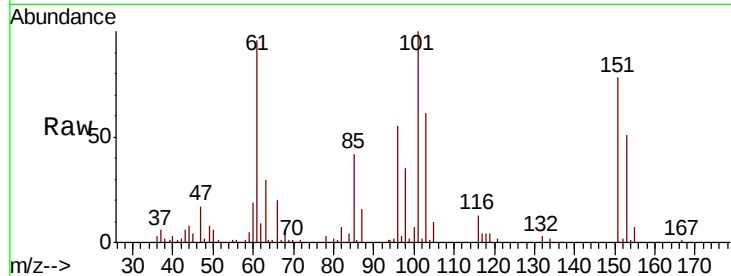
Tot Ion:101 Resp: 68716

Ion Ratio Lower Upper

101 100

85 45.7 32.4 48.6

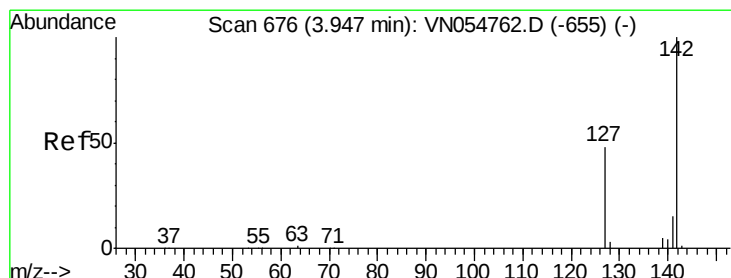
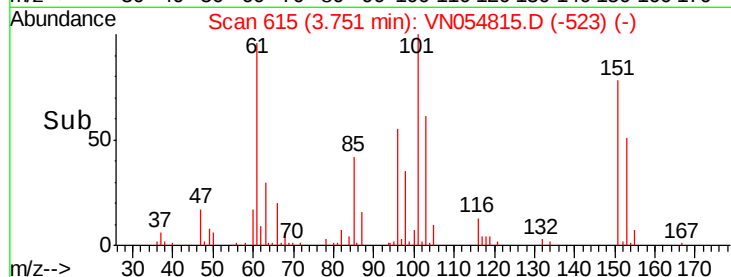
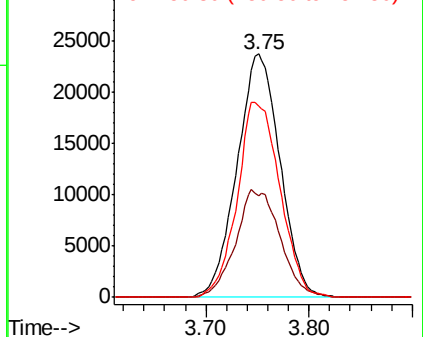
151 79.7 68.2 102.2



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: 12.961 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

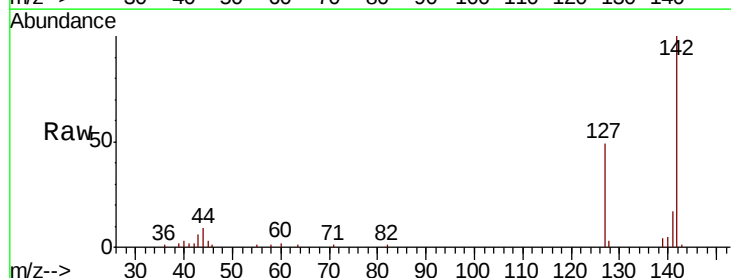
Tgt Ion:142 Resp: 59295

Ion Ratio Lower Upper

142 100

127 49.5 30.3 45.5#

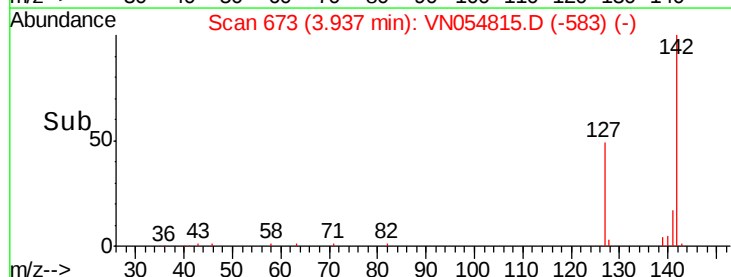
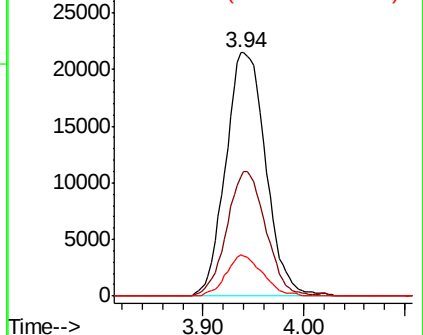
141 15.4 11.2 16.8

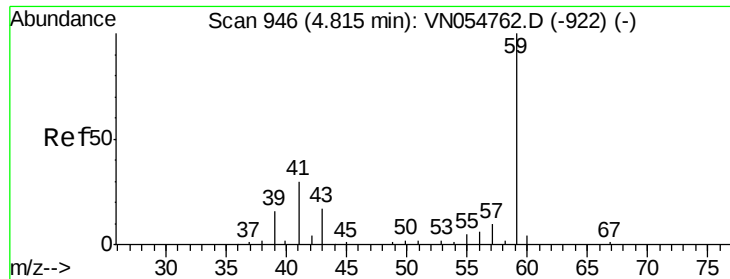


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



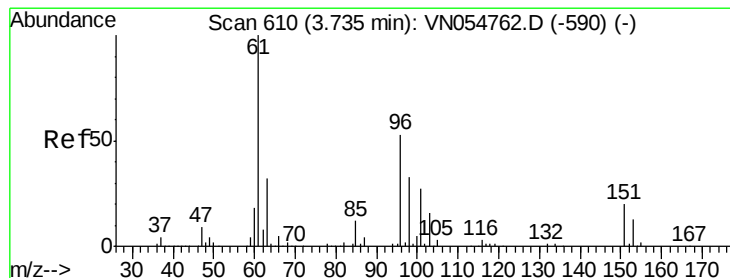
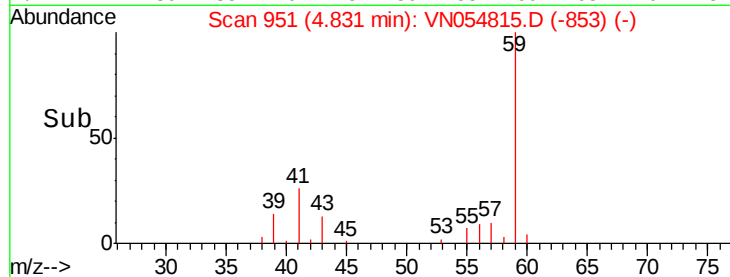
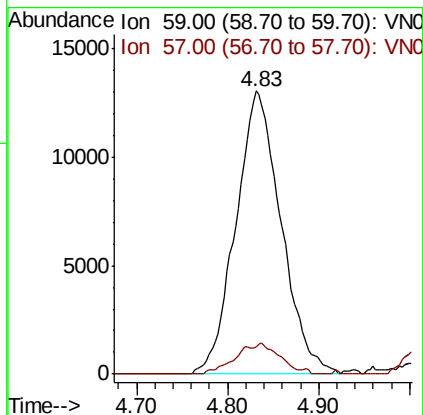
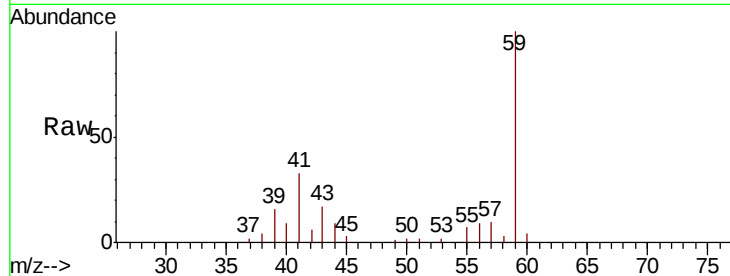


#11

Tert butyl alcohol
 Concen: 155.914 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBSD01

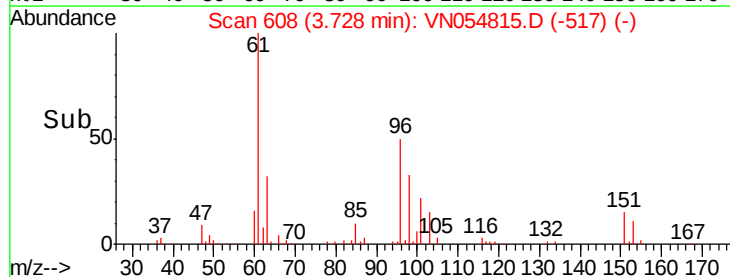
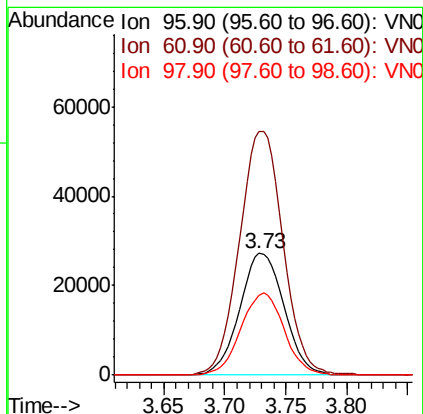
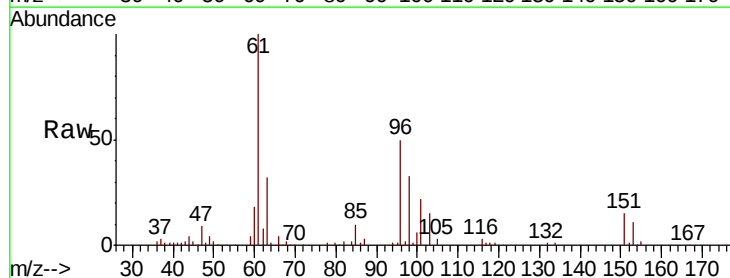
Tot Ion: 59 Resp: 45020
 Ion Ratio Lower Upper
 59 100
 57 4.2 9.0 13.6#

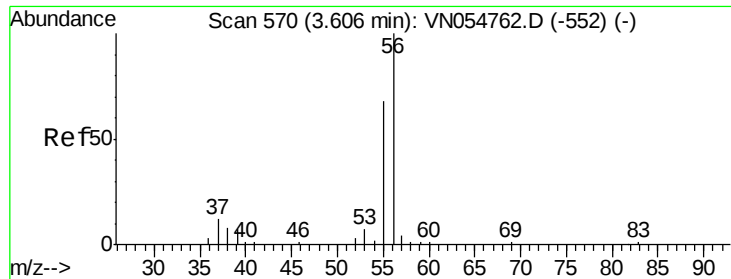


#12

1,1-Dichloroethene
 Concen: 21.186 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 96 Resp: 68466
 Ion Ratio Lower Upper
 96 100
 61 200.1 116.5 174.7#
 98 65.9 51.0 76.4





#13

Acrolein

Concen: 143.723 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

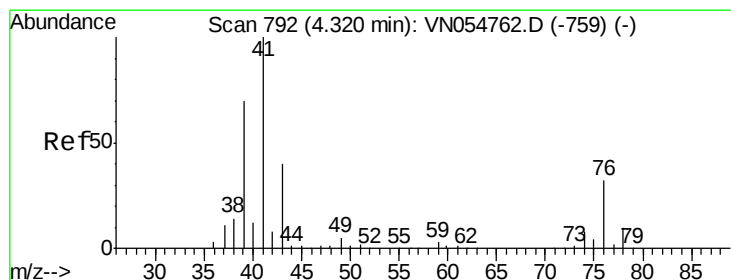
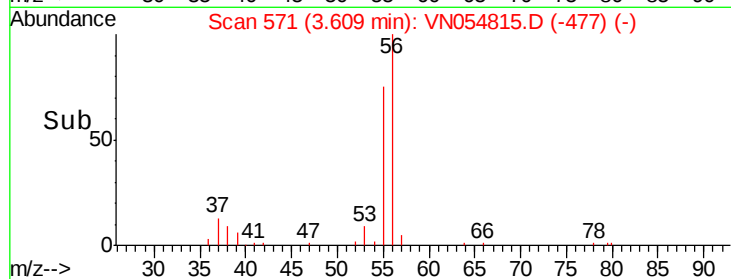
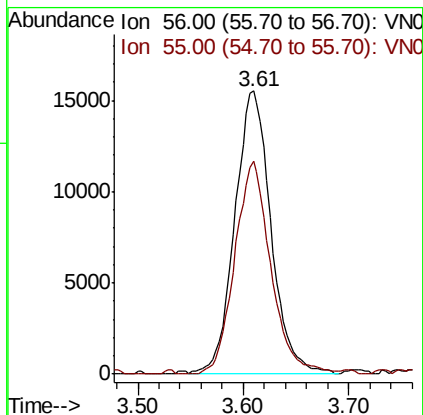
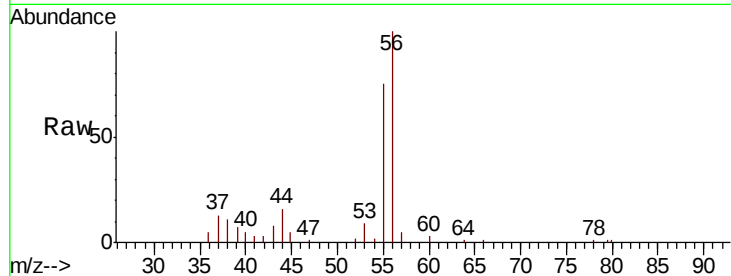
VN0330WBSD01

Tot Ion: 56 Resp: 37100

Ion Ratio Lower Upper

56 100

55 74.9 56.7 85.1



#14

Allyl chloride

Concen: 20.708 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

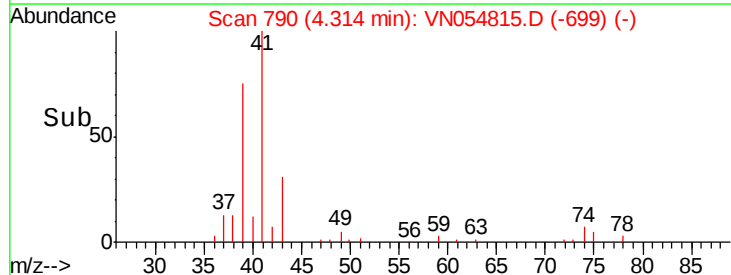
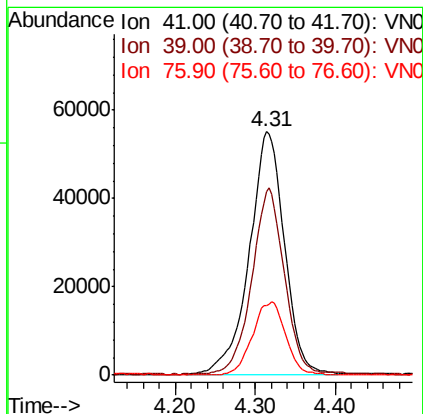
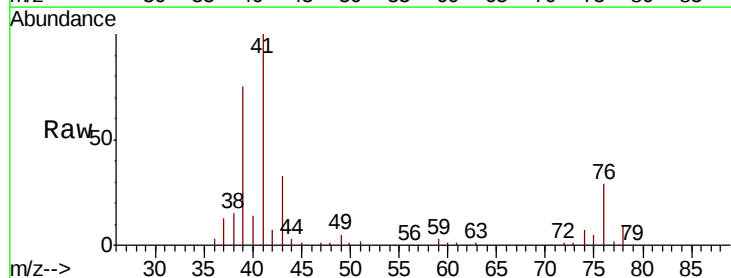
Tgt Ion: 41 Resp: 164833

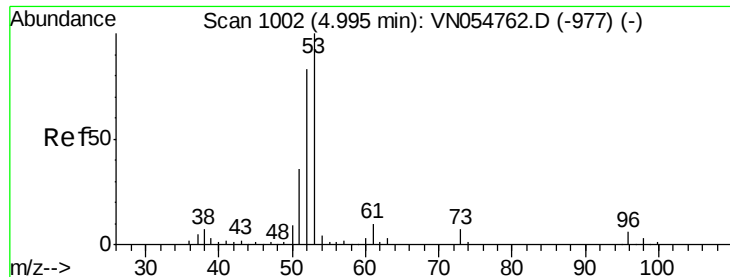
Ion Ratio Lower Upper

41 100

39 70.5 58.2 87.4

76 28.6 31.7 47.5#

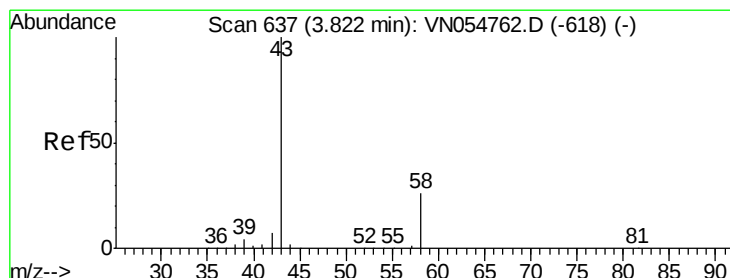
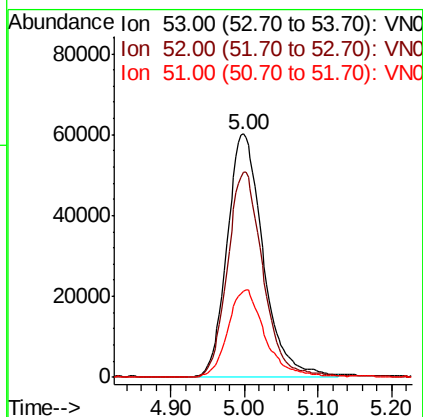
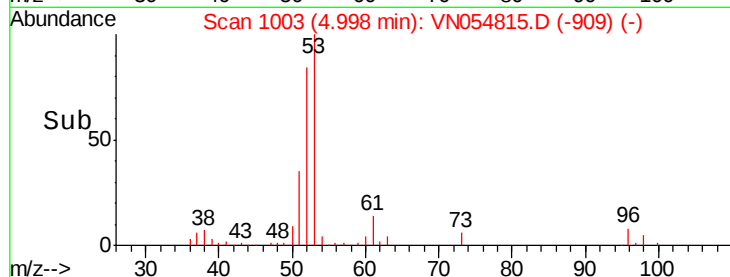
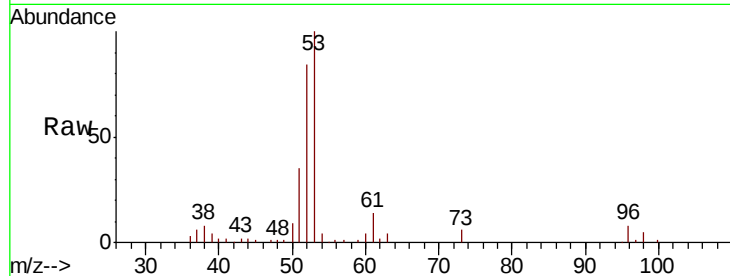




#15
 Acrylonitrile
 Concen: 127.906 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

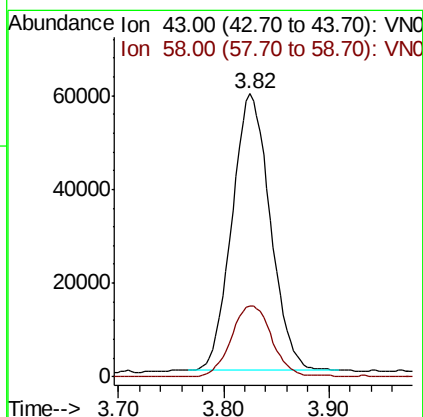
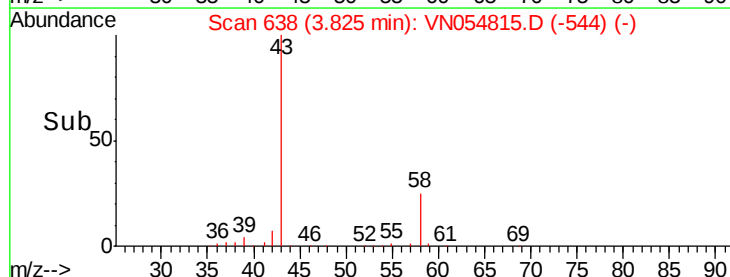
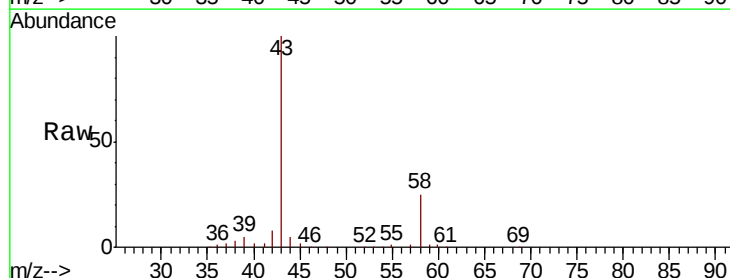
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0330WBSD01

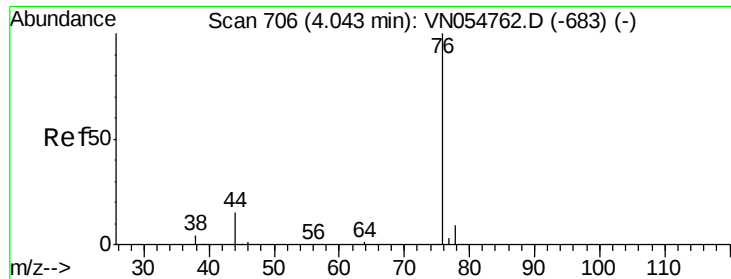
Tot Ion: 53 Resp: 205283
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.4 99.6
 51 37.0 29.6 44.4



#16
 Acetone
 Concen: 112.604 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 43 Resp: 148814
 Ion Ratio Lower Upper
 43 100
 58 25.7 29.9 44.9#

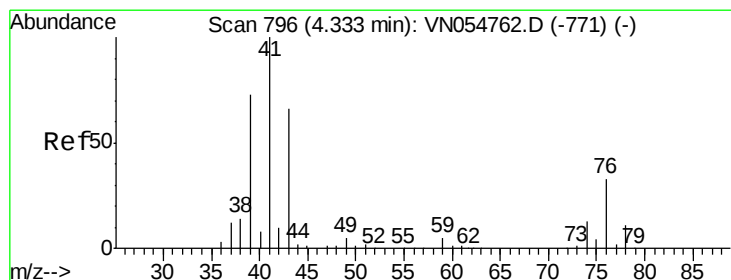
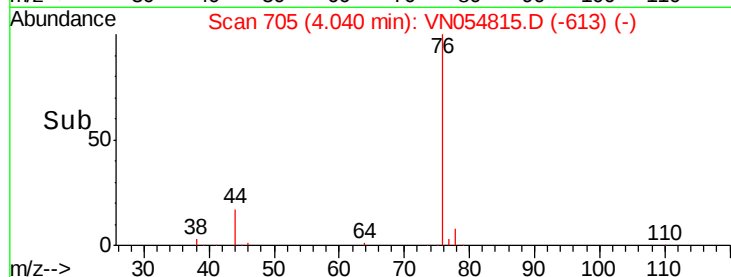
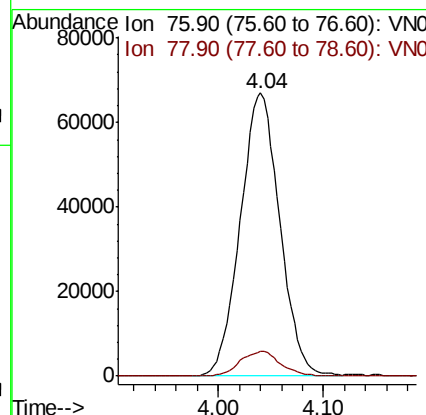
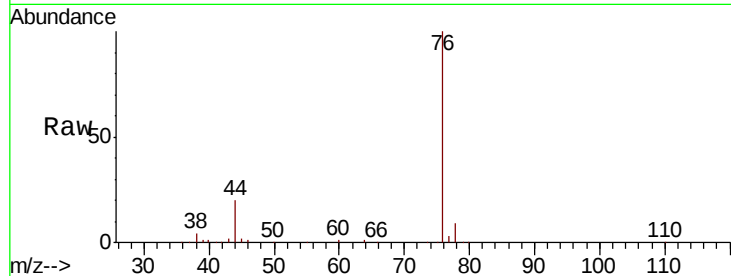




#17
Carbon Disulfide
Concen: 16.631 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

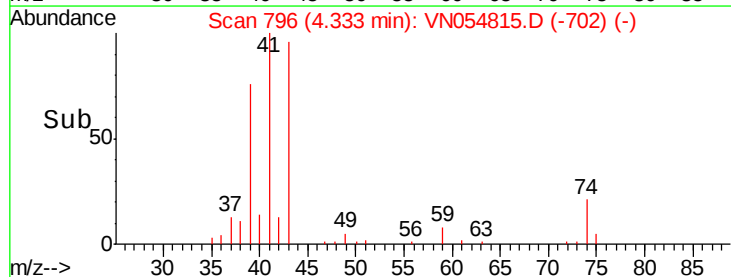
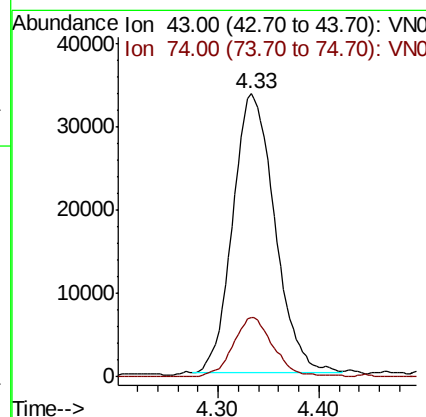
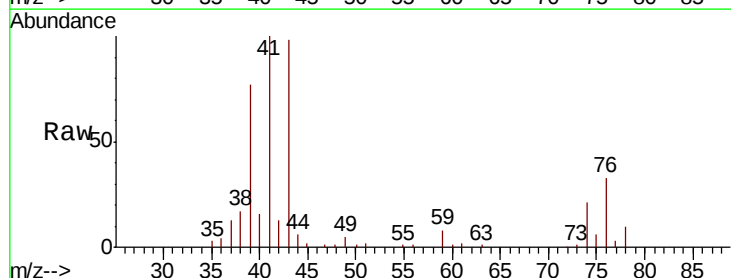
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

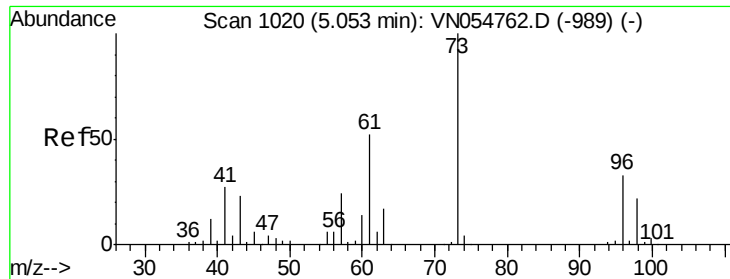
Tot Ion: 76 Resp: 174314
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 27.934 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 43 Resp: 97552
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#

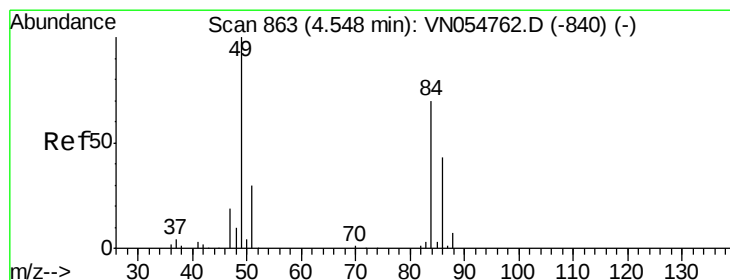
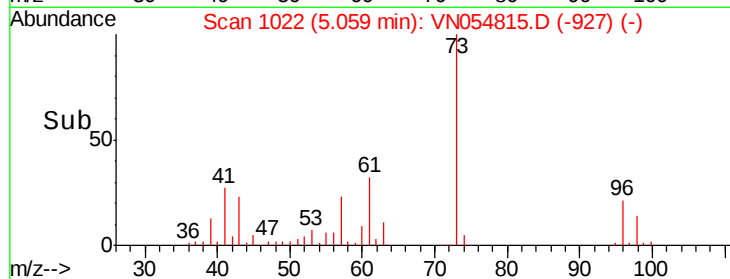
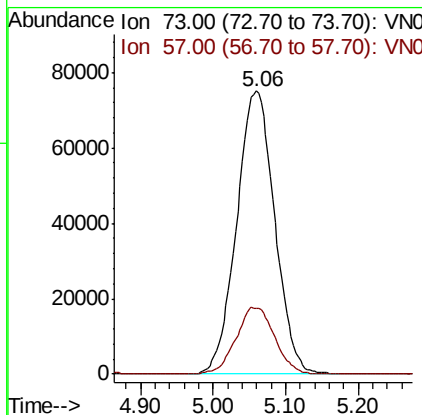
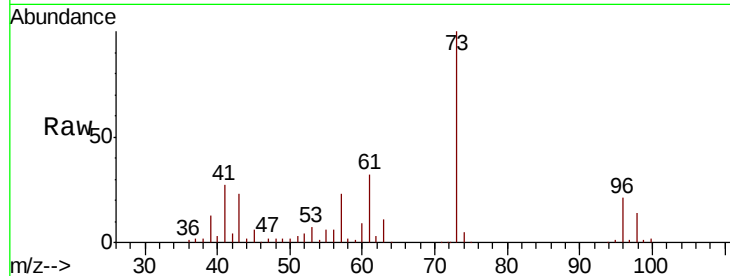




#19
Methvl tert-butvl Ether
Concen: 24.256 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

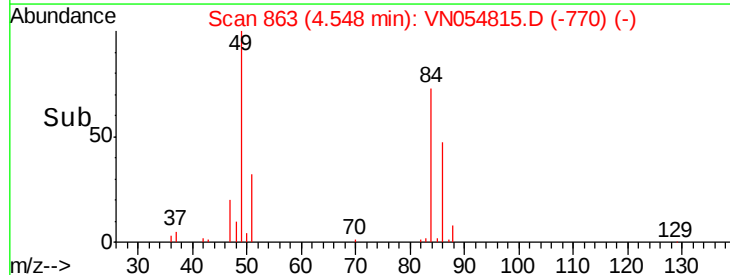
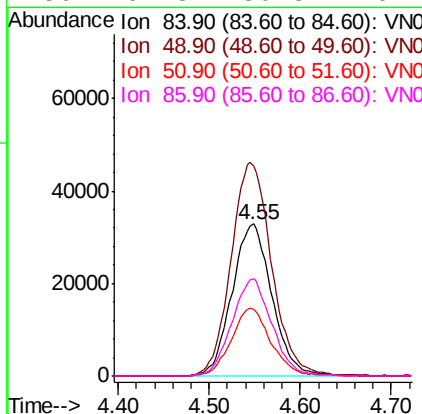
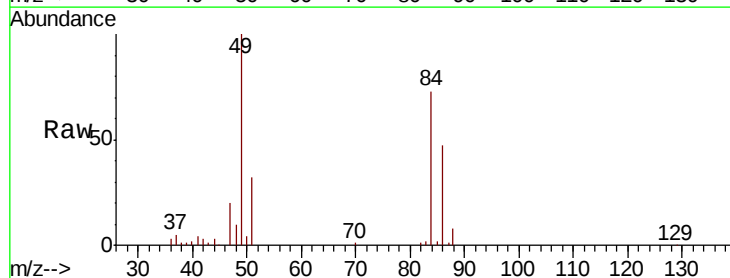
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

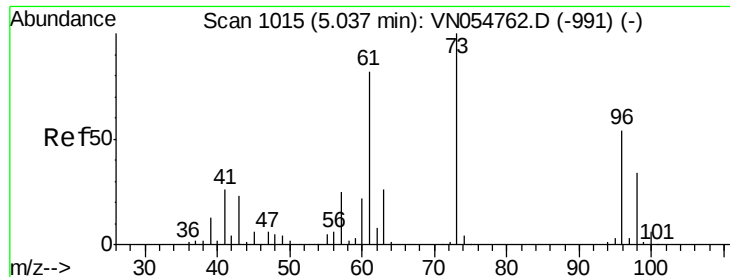
Tot Ion: 73 Resp: 274193
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 21.495 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 84 Resp: 100205
Ion Ratio Lower Upper
84 100
49 137.9 89.7 134.5#
51 43.9 28.2 42.4#
86 64.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.545 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

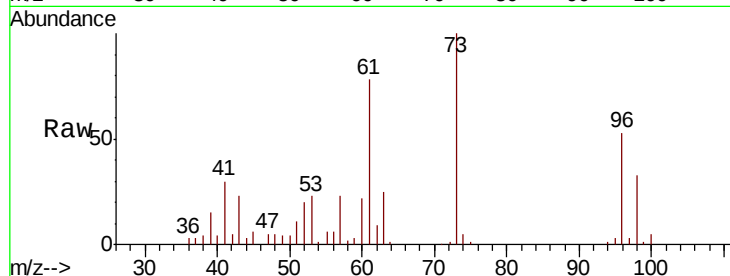
Tot Ion: 96 Resp: 91452

Ion Ratio Lower Upper

96 100

61 148.6 102.8 154.2

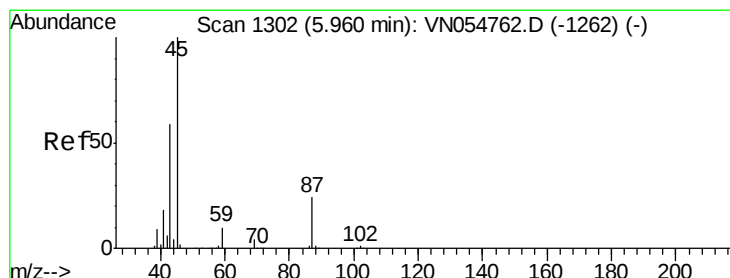
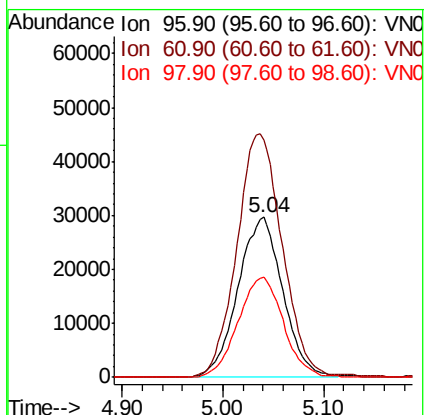
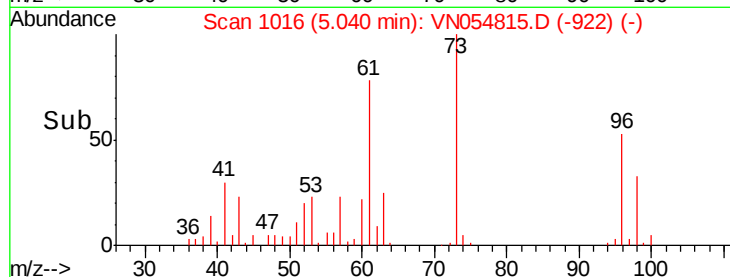
98 62.5 50.0 75.0



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: 22.703 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion: 45 Resp: 357424

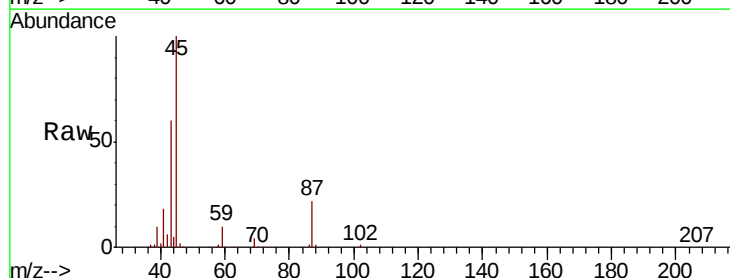
Ion Ratio Lower Upper

45 100

43 58.1 48.2 72.2

87 22.2 24.9 37.3#

59 9.6 9.5 14.3

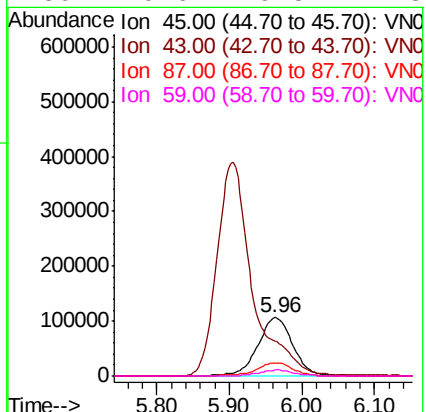
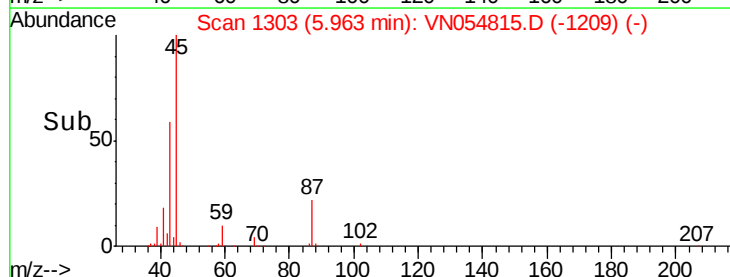


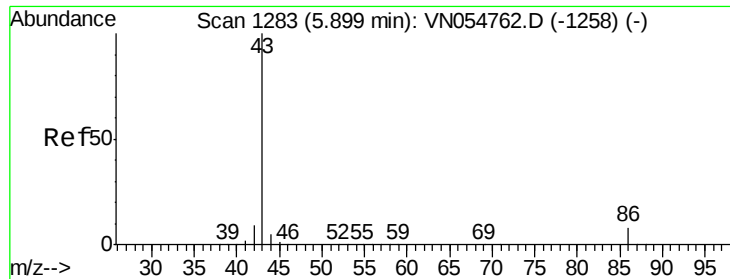
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 120.522 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

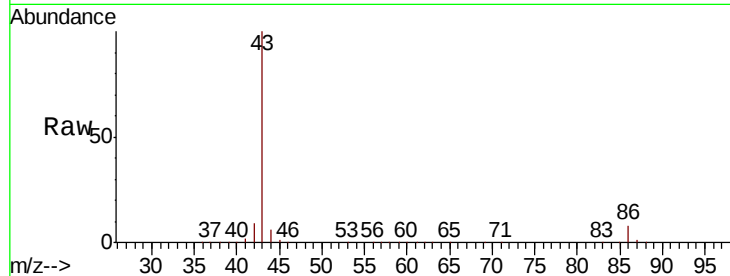
VN0330WBSD01

Tot Ion: 43 Resp: 1320435

Ion Ratio Lower Upper

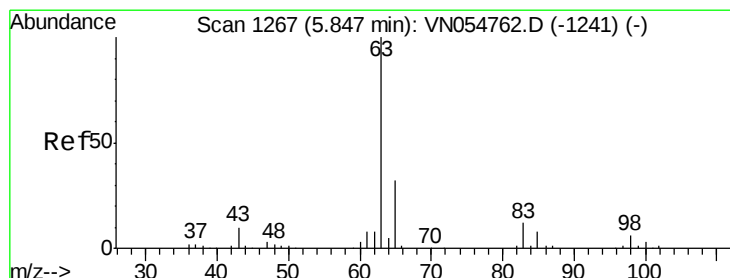
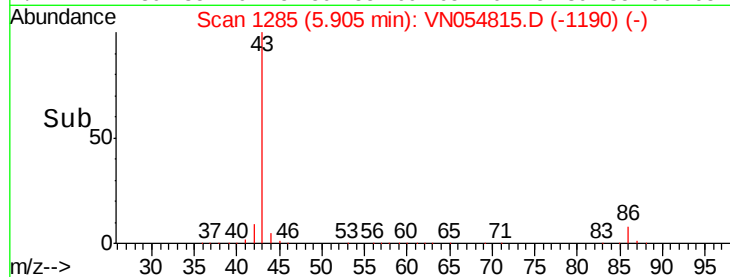
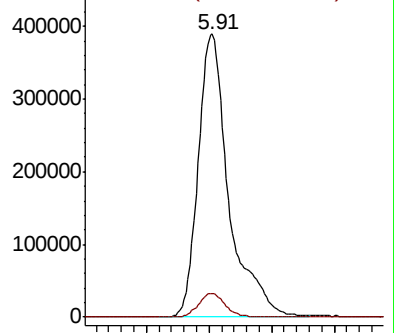
43 100

86 8.5 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.710 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

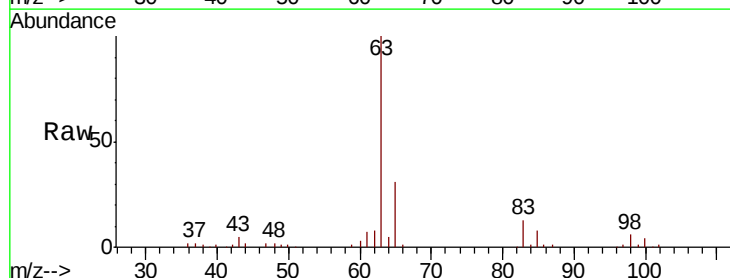
Tgt Ion: 63 Resp: 190721

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

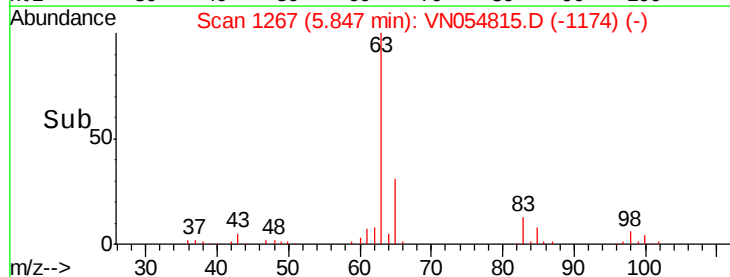
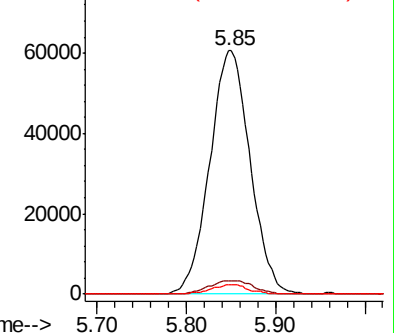
100 4.0 2.0 6.0

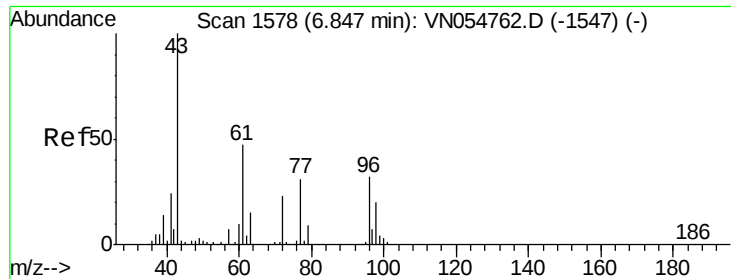


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

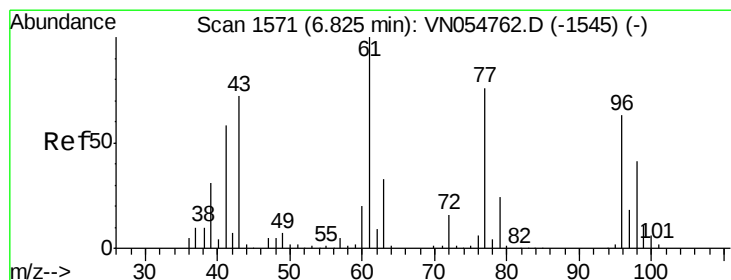
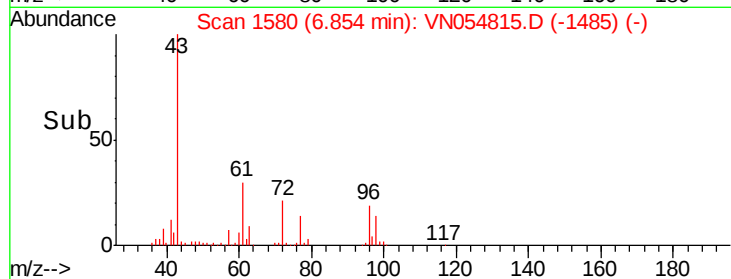
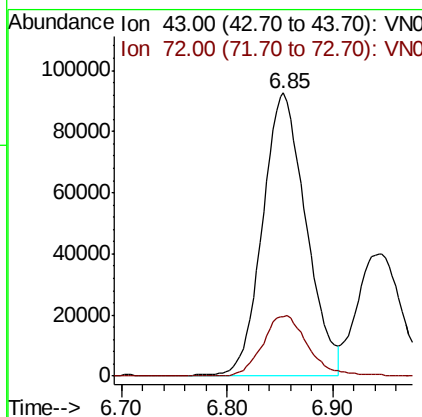
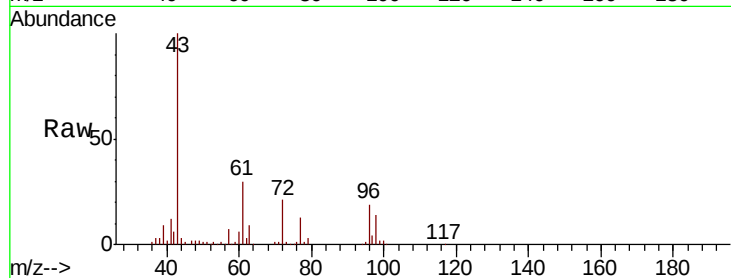




#25
 2-Butanone
 Concen: 134.992 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

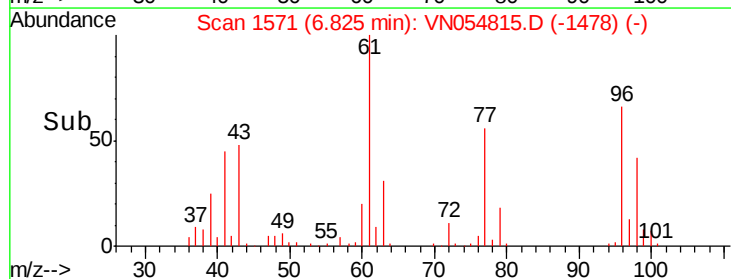
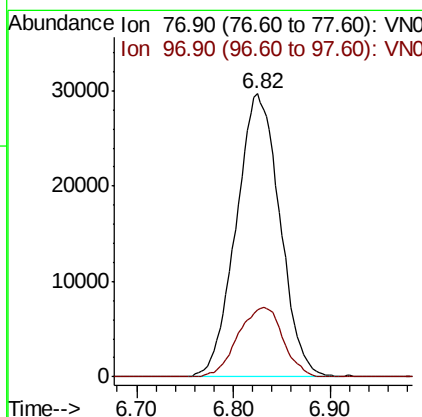
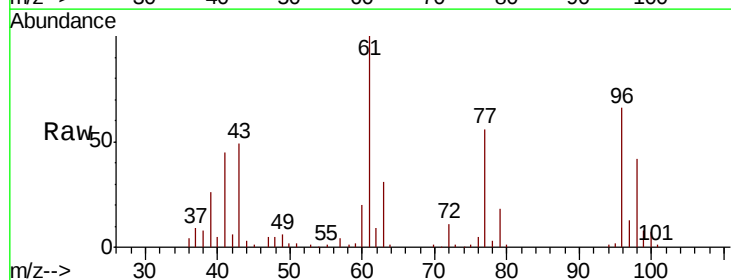
Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBSD01

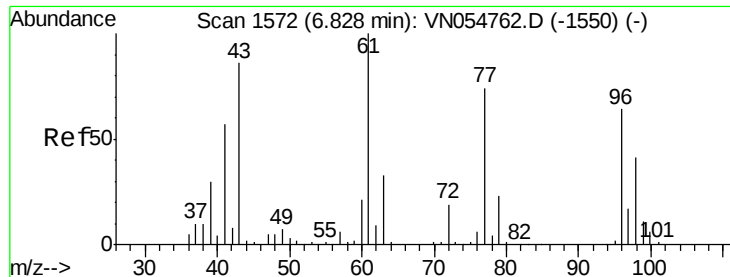
Tot Ion: 43 Resp: 263712
 Ion Ratio Lower Upper
 43 100
 72 21.3 23.0 34.6#



#26
 2,2-Dichloropropane
 Concen: 15.845 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 77 Resp: 93264
 Ion Ratio Lower Upper
 77 100
 97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.033 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

VN0330WBSD01

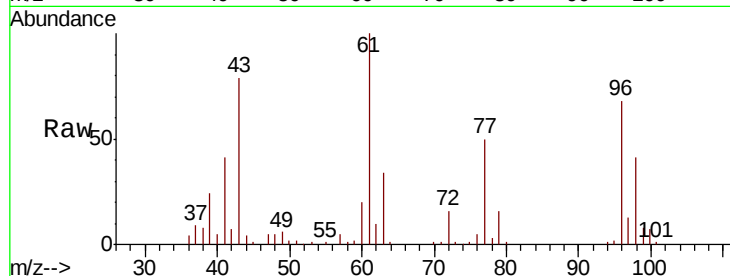
Tot Ion: 96 Resp: 105653

Ion Ratio Lower Upper

96 100

61 154.6 0.0 273.0

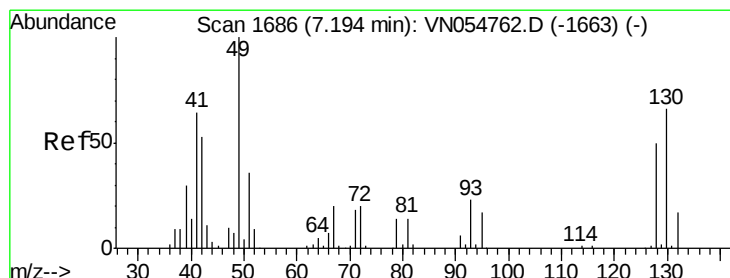
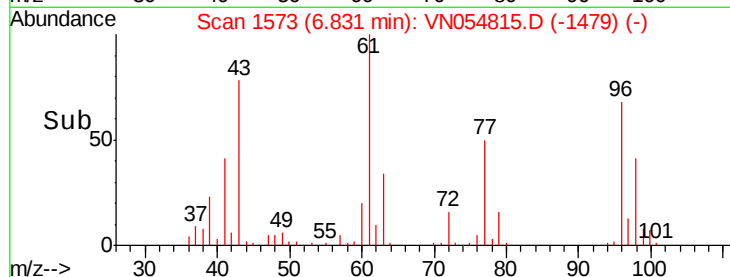
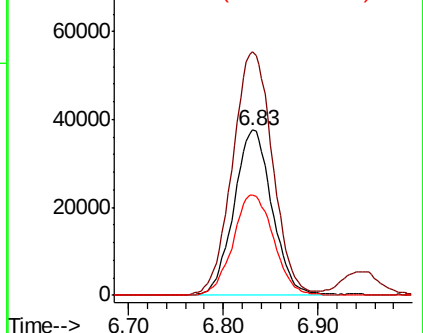
98 64.5 0.0 130.6



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: 24.120 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

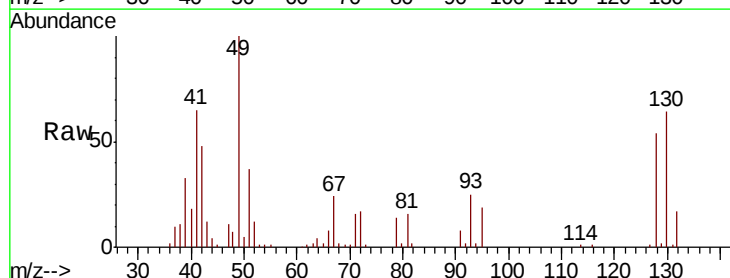
Tgt Ion: 49 Resp: 101291

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

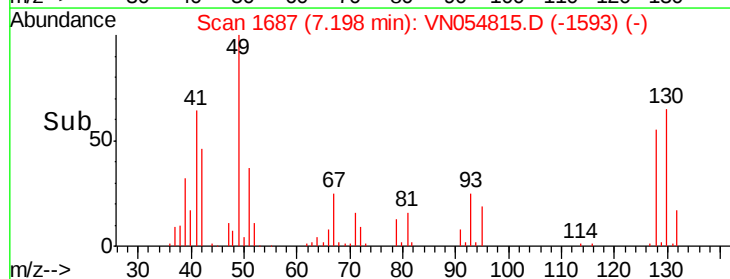
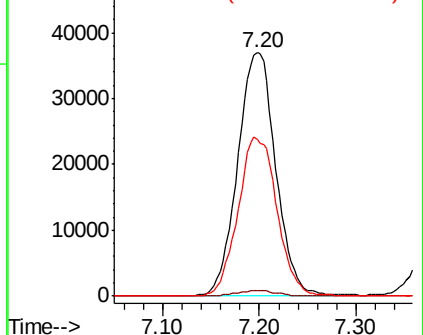
130 66.8 76.7 115.1#

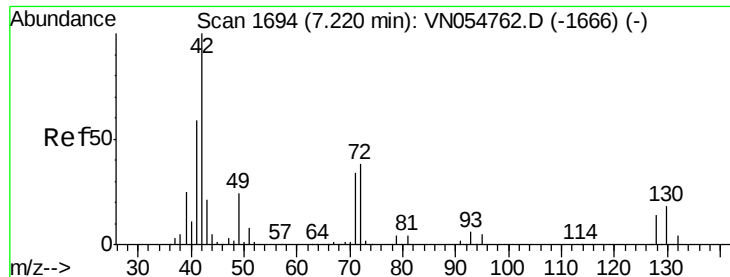


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 131.558 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

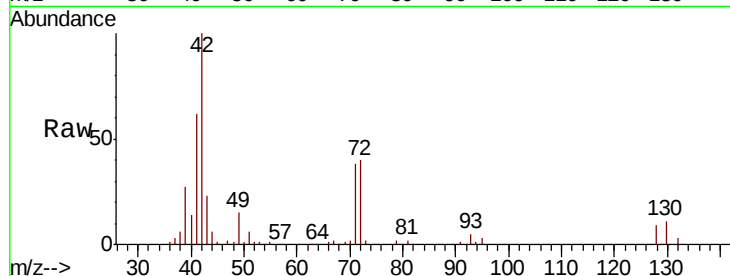
Tot Ion: 42 Resp: 178501

Ion Ratio Lower Upper

42 100

72 37.5 37.8 56.6#

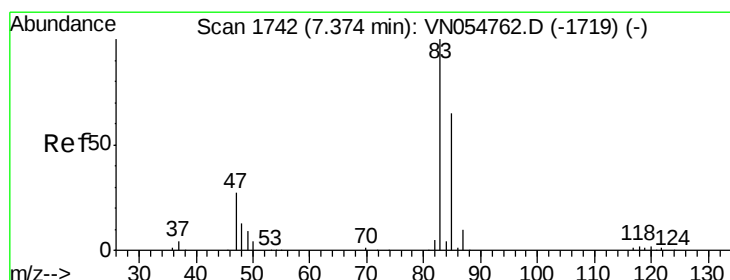
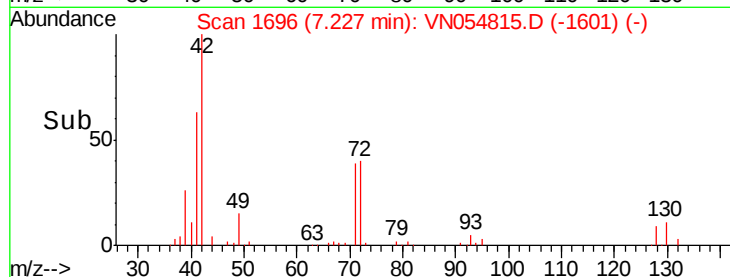
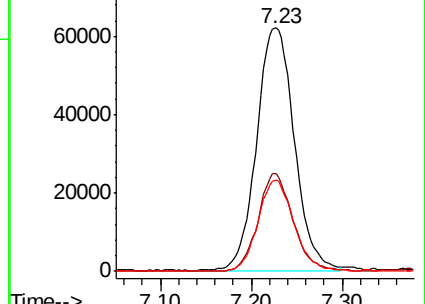
71 35.9 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 23.029 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054815.D

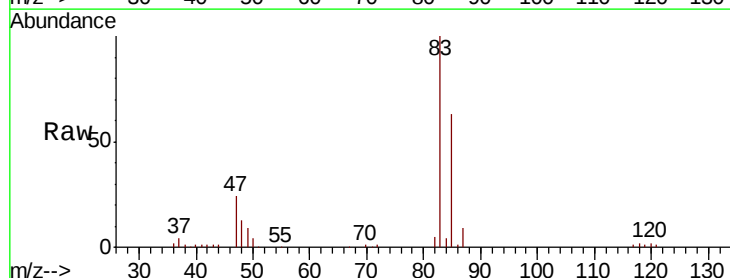
Acq: 30 Mar 2019 20:52

Tgt Ion: 83 Resp: 184419

Ion Ratio Lower Upper

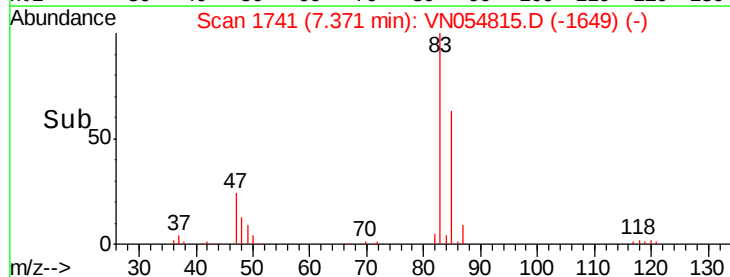
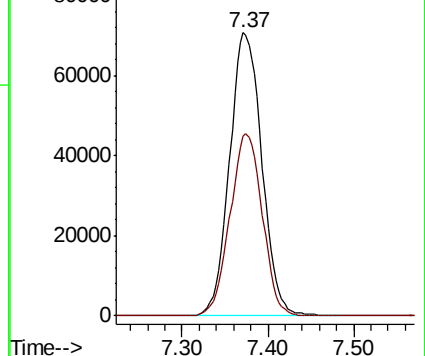
83 100

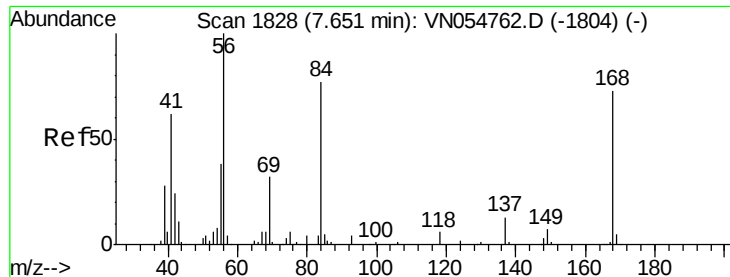
85 63.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

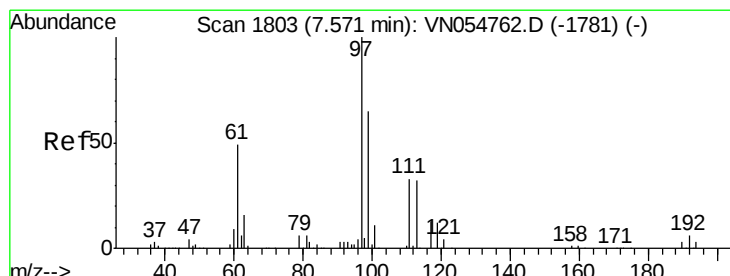
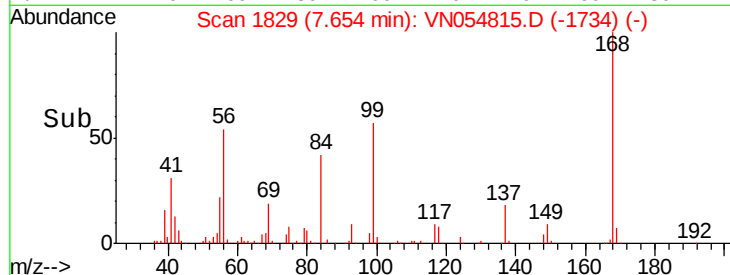
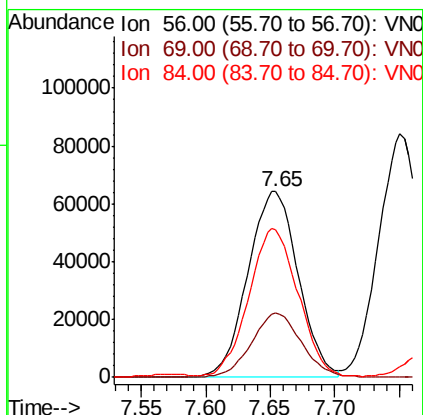
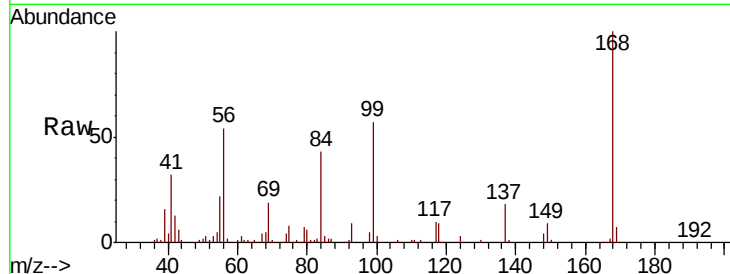




#31
Cyclohexane
Concen: 21.690 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

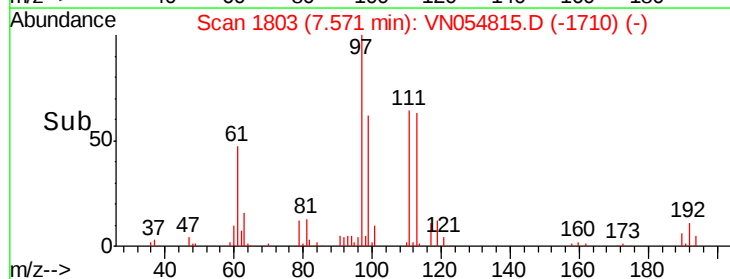
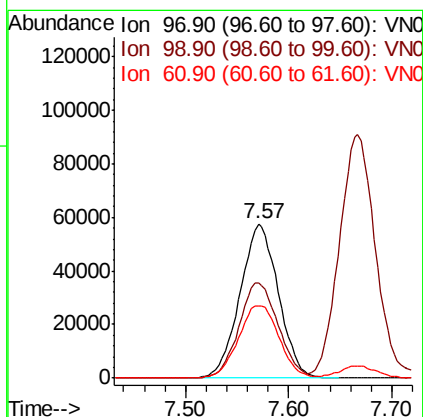
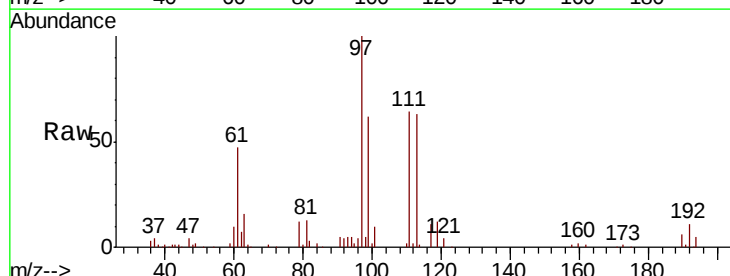
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

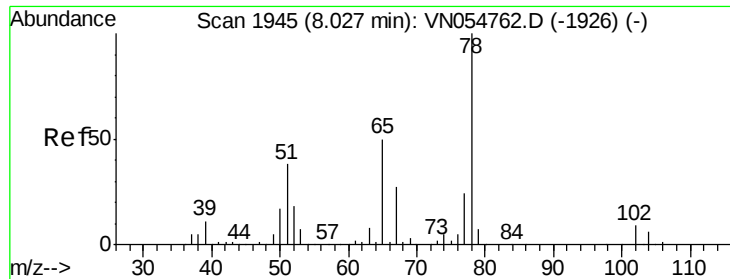
Tot Ion: 56 Resp: 174906
Ion Ratio Lower Upper
56 100
69 34.6 27.8 41.6
84 78.2 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 22.430 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 97 Resp: 148852
Ion Ratio Lower Upper
97 100
99 63.1 51.5 77.3
61 50.0 33.6 50.4

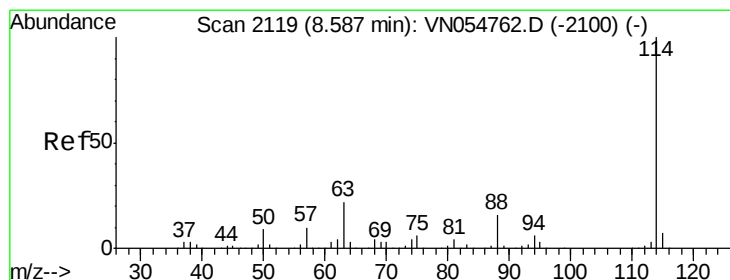
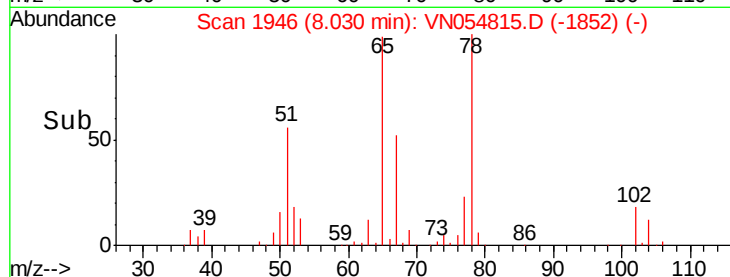
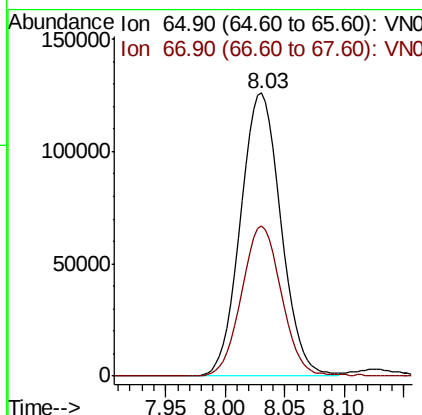
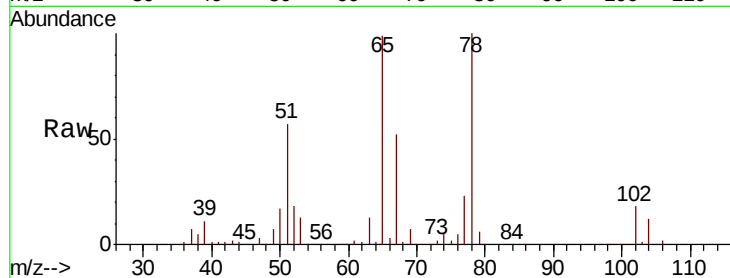




#33
 1,2-Dichloroethane-d4
 Concen: 53.561 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

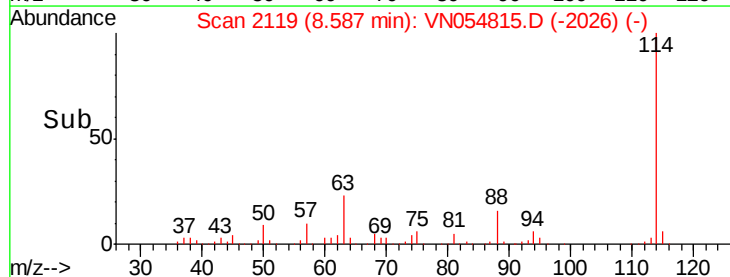
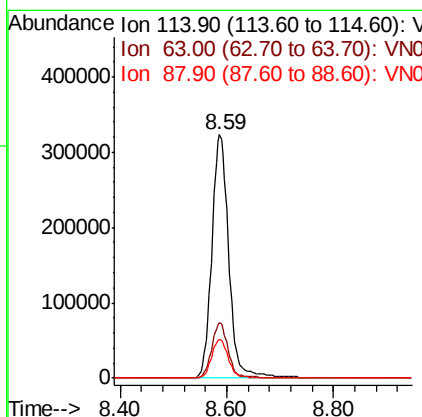
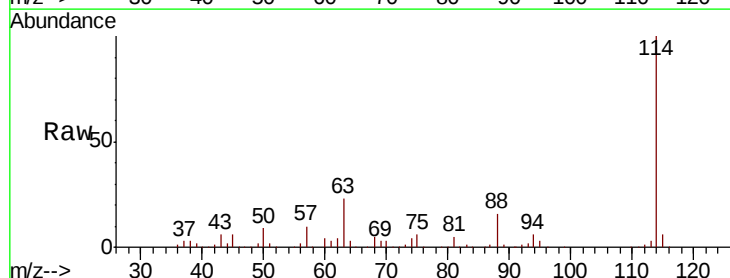
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

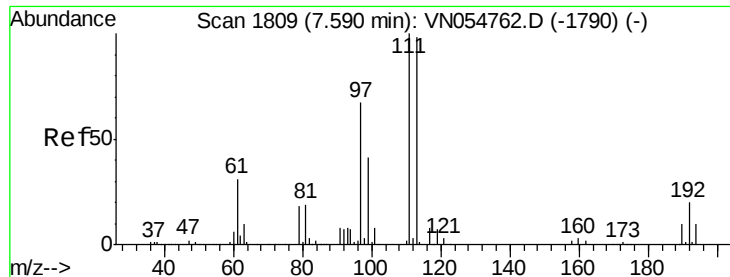
Tot Ion: 65 Resp: 296835
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 114 Resp: 716702
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 35.2
 88 15.8 0.0 30.2

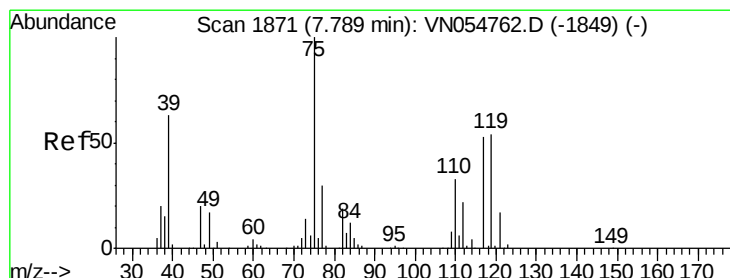
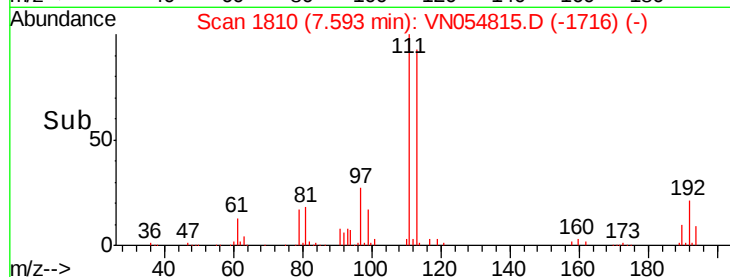
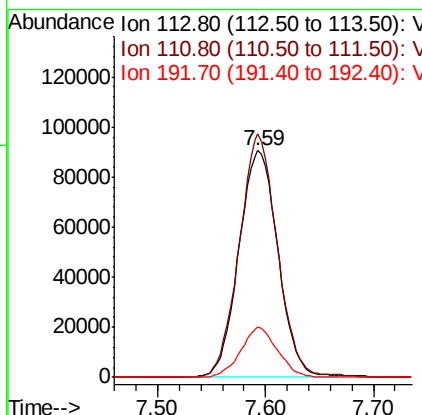
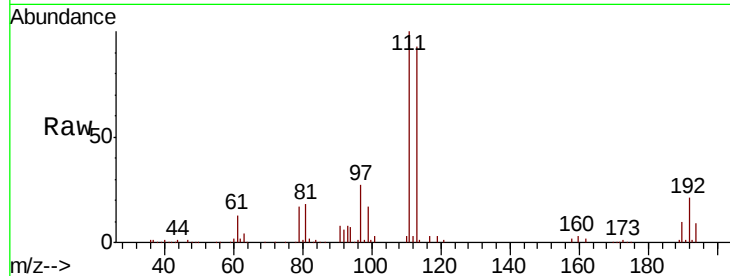




#35
 Dibromofluoromethane
 Concen: 47.868 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

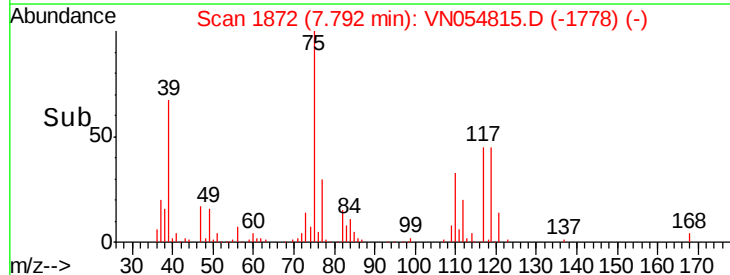
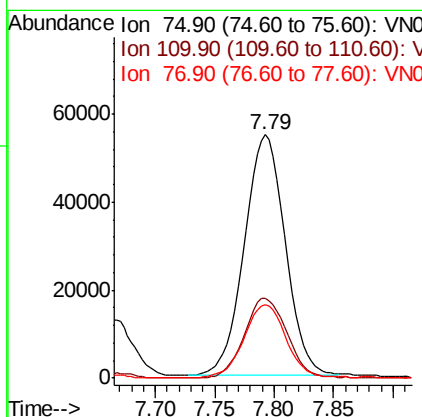
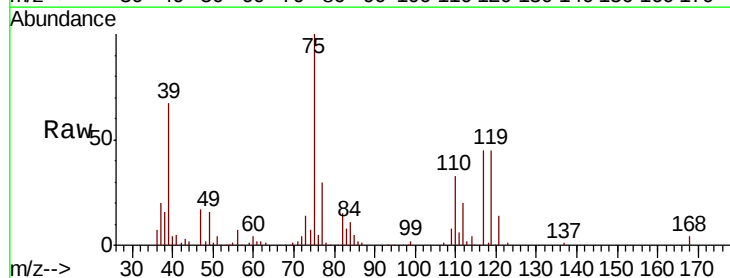
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

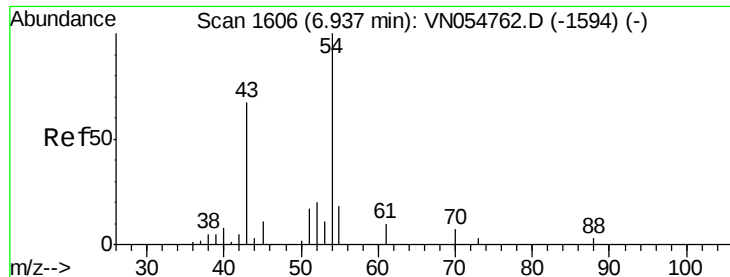
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	20.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.600 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	19.1	57.5
77	31.6	25.0	37.4

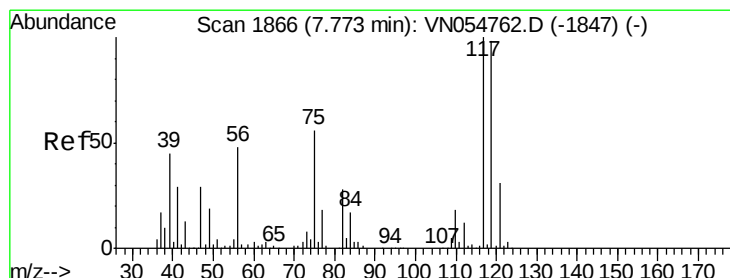
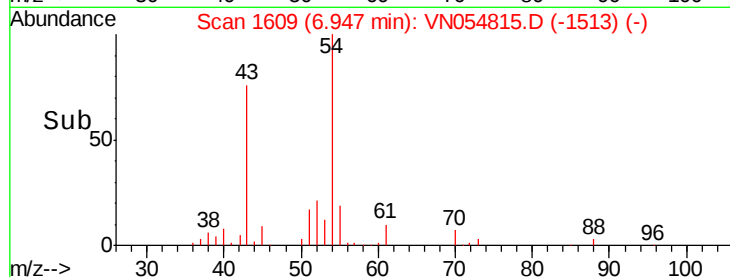
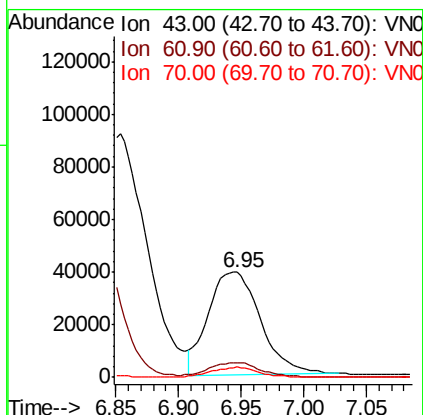
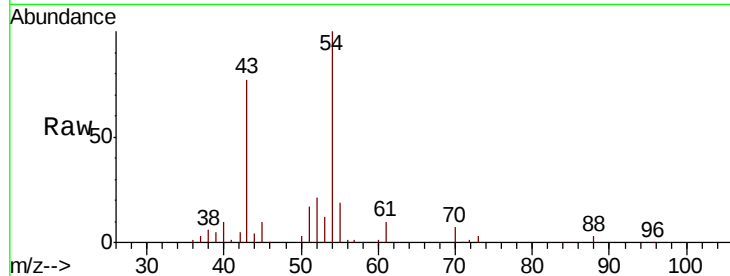




#37
Ethyl Acetate
Concen: 23.142 ug/l
RT: 6.95 min Scan# 1609
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

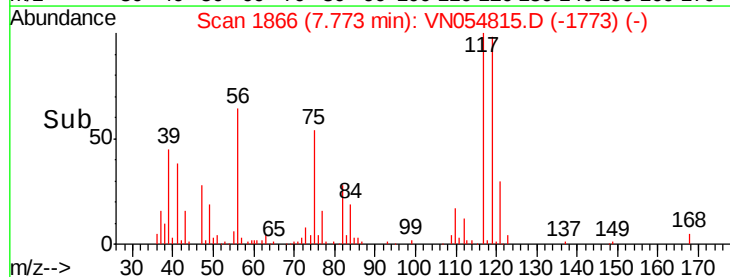
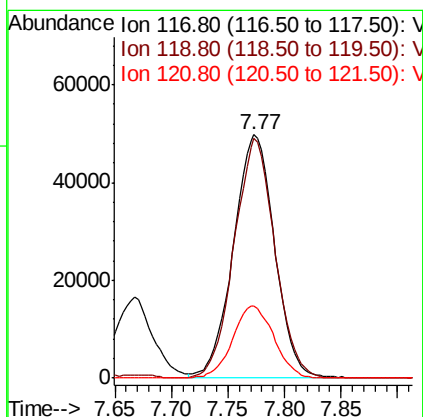
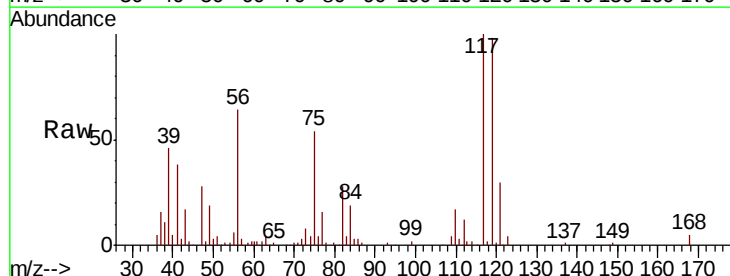
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

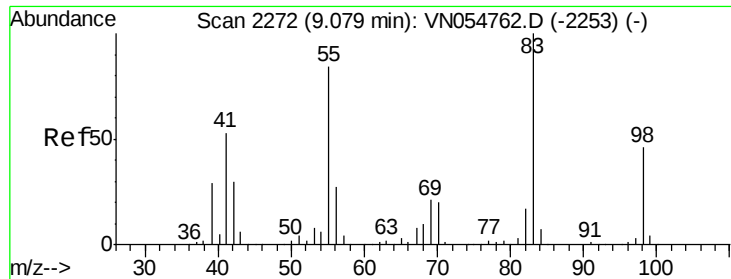
Tot Ion: 43 Resp: 113333
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.276 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 117 Resp: 125035
Ion Ratio Lower Upper
117 100
119 98.7 76.3 114.5
121 29.8 24.6 36.8

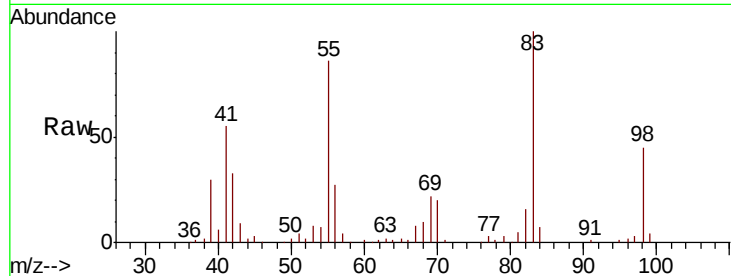




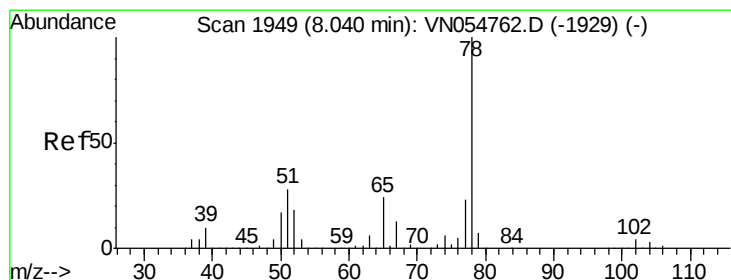
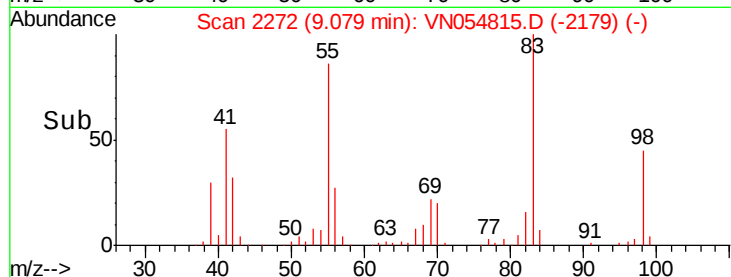
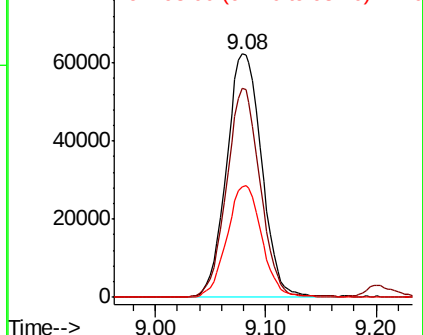
#39
Methvlcvclohexane
Concen: 18.752 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion: 83 Resp: 137675
Ion Ratio Lower Upper
83 100
55 85.6 56.6 84.8#
98 45.5 38.4 57.6

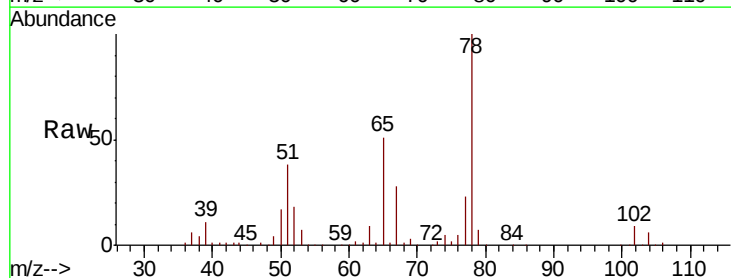


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

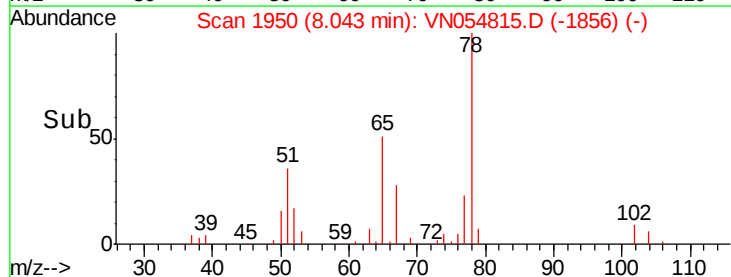
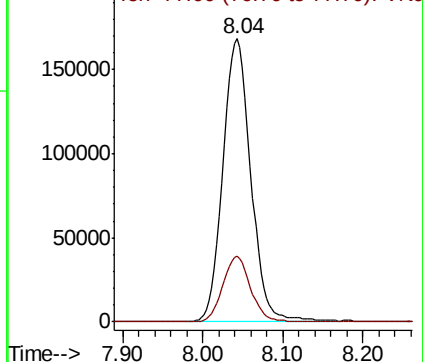


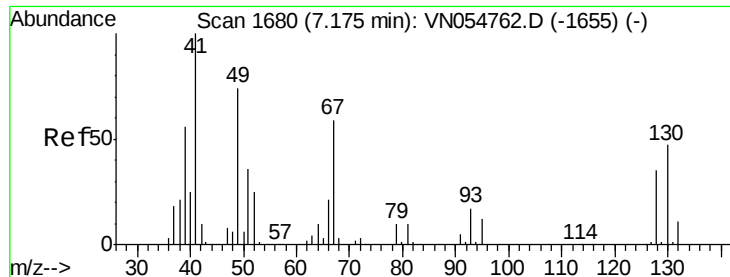
#40
Benzene
Concen: 21.214 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 78 Resp: 405377
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 24.245 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

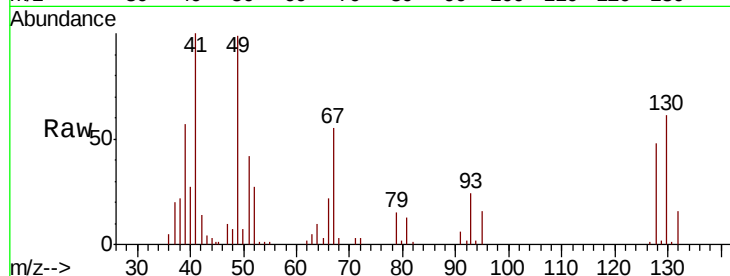
ClientSampleId :

VN0330WBSD01

Tot Ion: 41 Resp: 66701

Ion Ratio Lower Upper

41	100		
39	50.6	46.8	70.2
67	65.8	67.0	100.4#
52	31.8	26.5	39.7



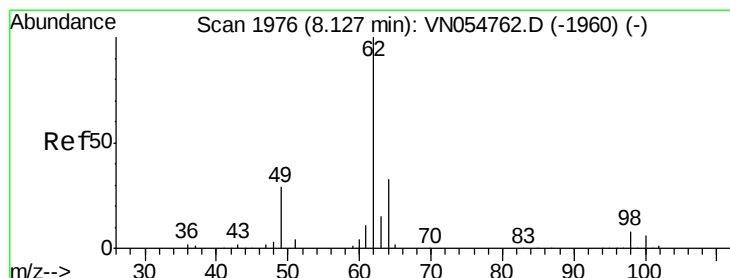
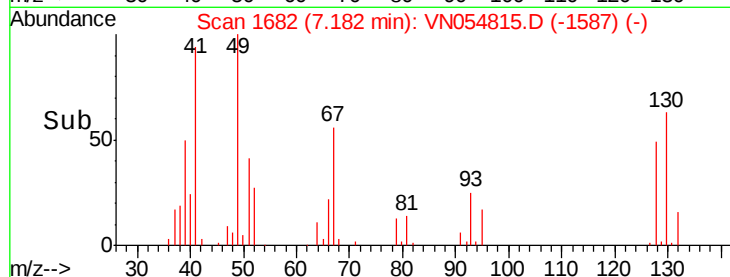
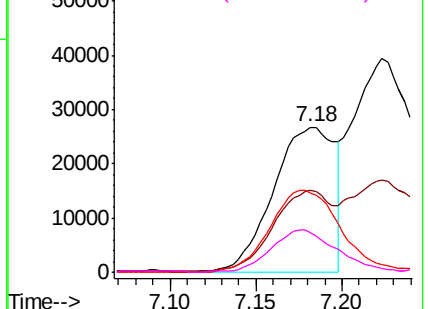
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 21.532 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

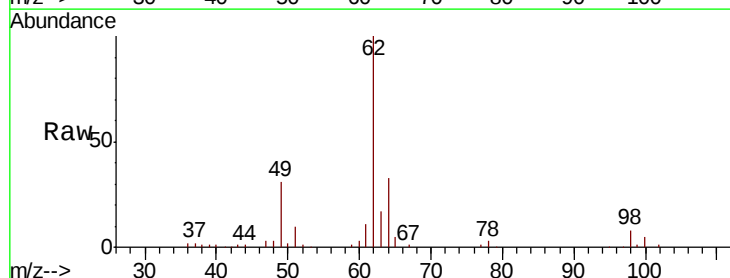
Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion: 62 Resp: 146917

Ion Ratio Lower Upper

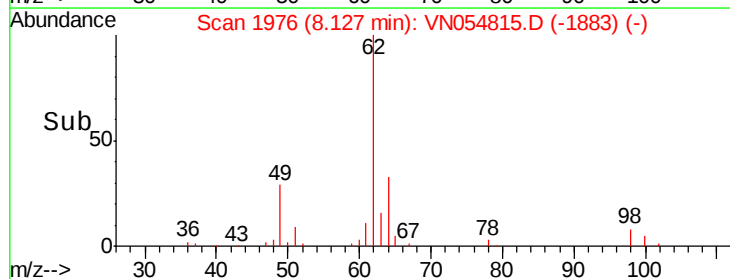
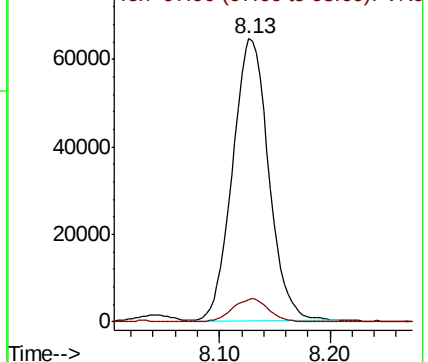
62	100		
98	8.2	0.0	18.4

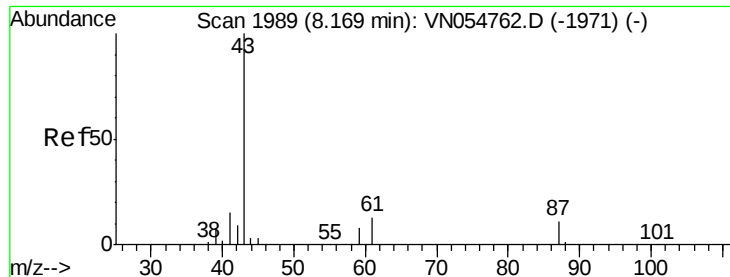


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 24.153 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

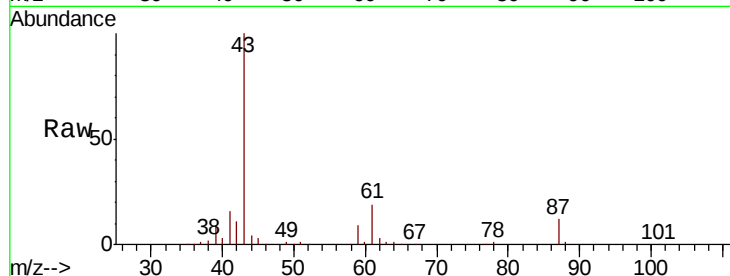
Tot Ion: 43 Resp: 192200

Ion Ratio Lower Upper

43 100

61 18.4 15.8 23.8

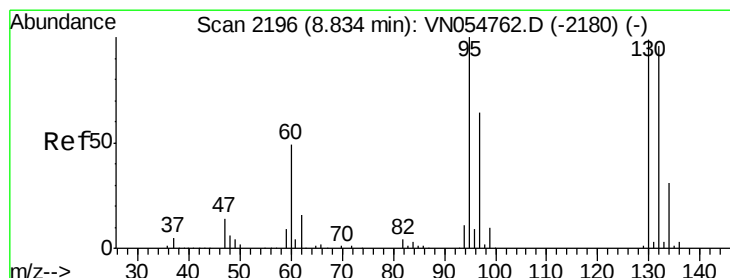
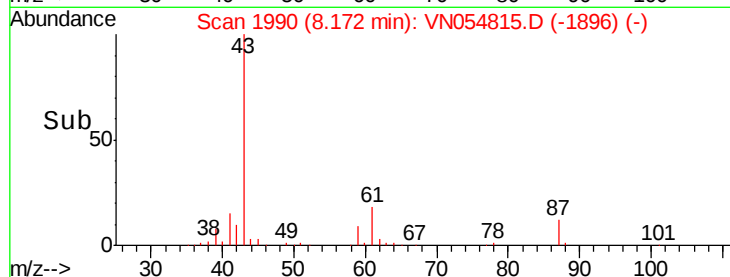
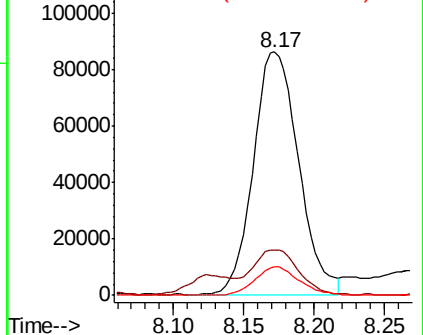
87 11.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.299 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054815.D

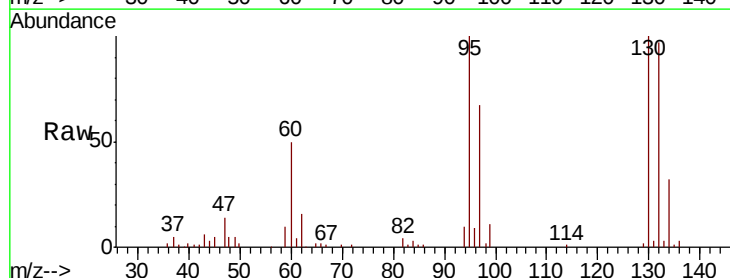
Acq: 30 Mar 2019 20:52

Tgt Ion:130 Resp: 100695

Ion Ratio Lower Upper

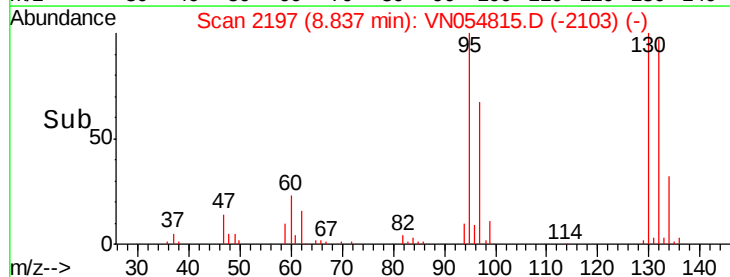
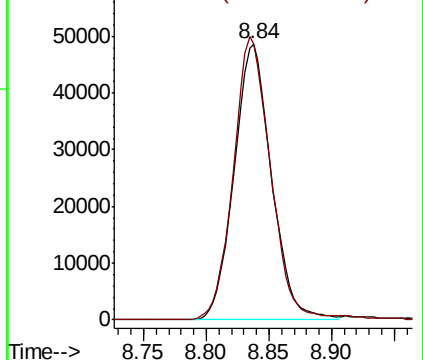
130 100

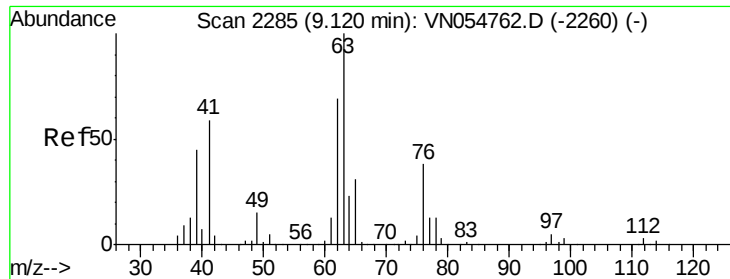
95 100.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.801 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

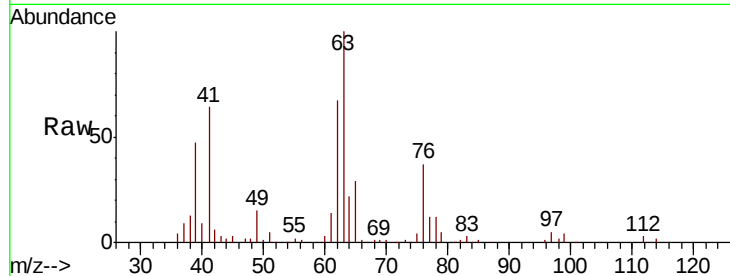
VN0330WBSD01

Tot Ion: 63 Resp: 113342

Ion Ratio Lower Upper

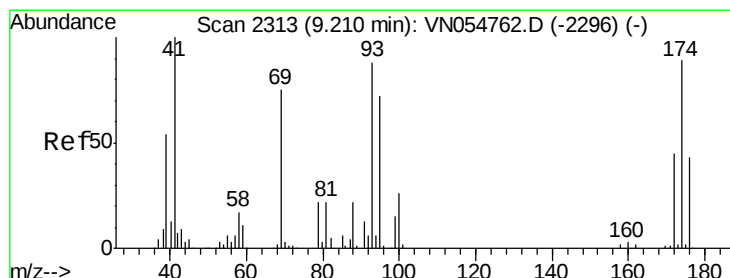
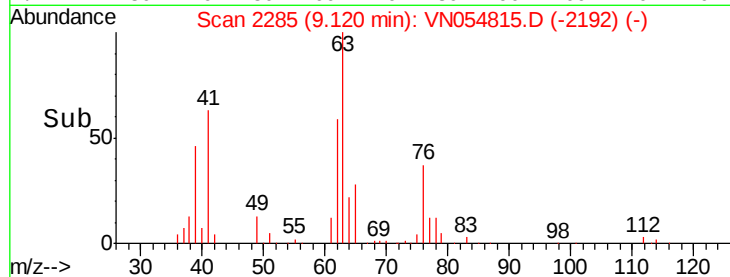
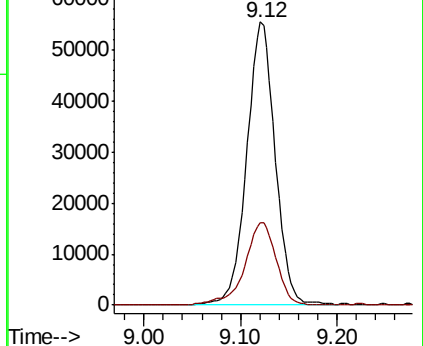
63 100

65 29.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.795 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

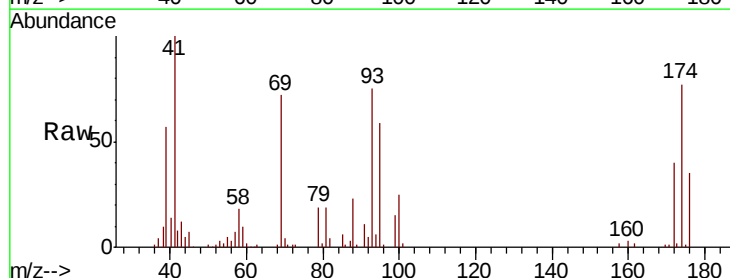
Tgt Ion: 93 Resp: 66804

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

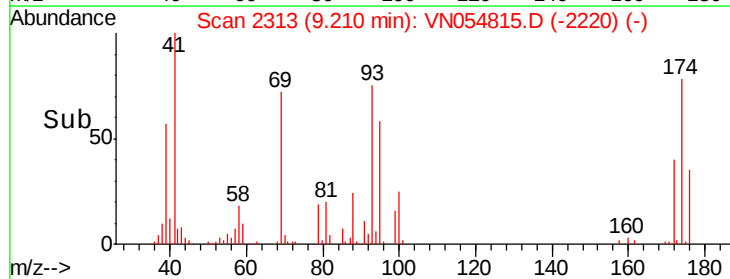
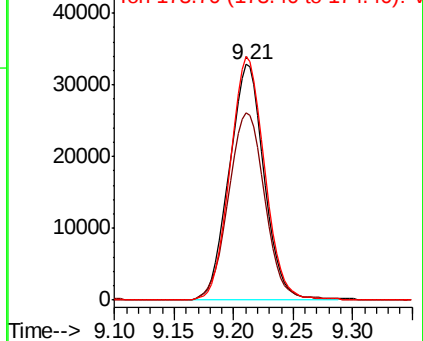
174 101.9 98.5 147.7

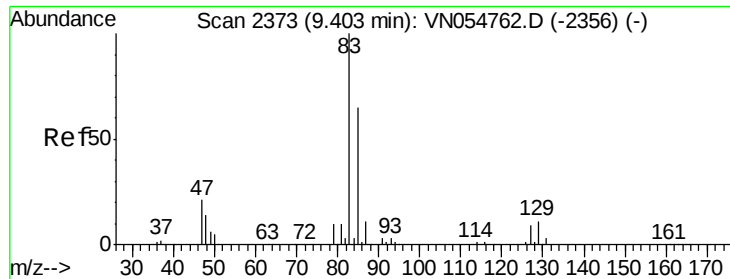


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

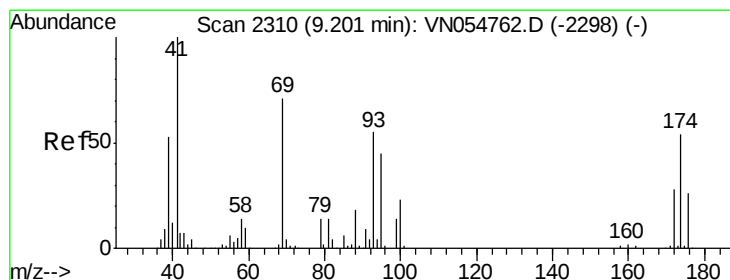
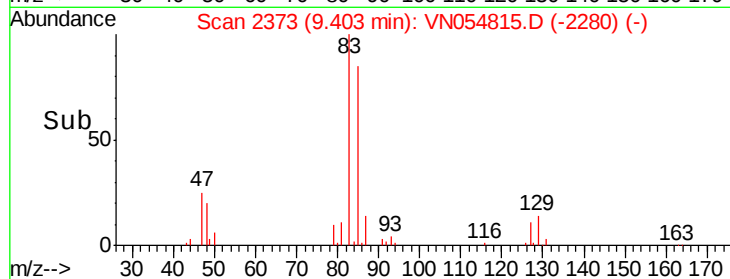
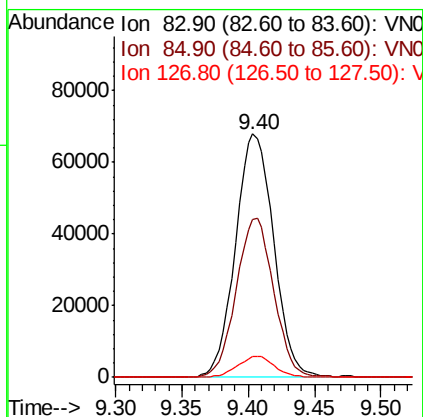
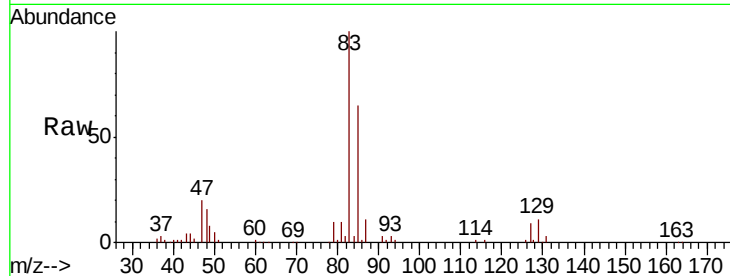




#47
 Bromodichloromethane
 Concen: 21.410 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

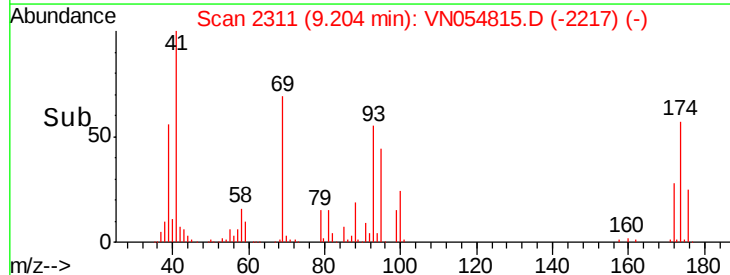
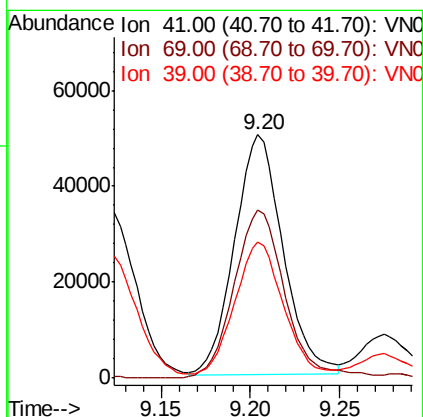
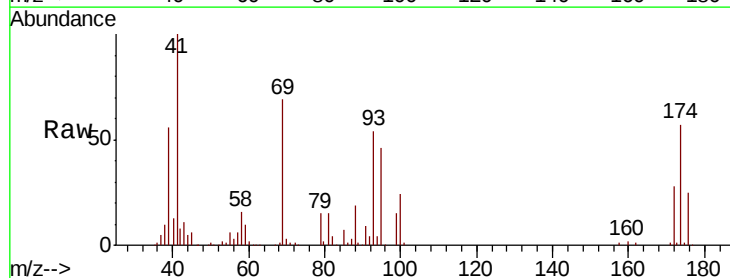
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

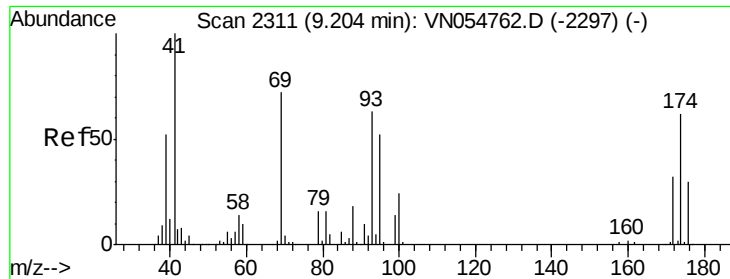
Tot Ion: 83 Resp: 136386
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.8 79.2
 127 8.6 7.4 11.2



#48
 Methyl methacrylate
 Concen: 22.053 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 41 Resp: 95126
 Ion Ratio Lower Upper
 41 100
 69 73.6 72.6 108.8
 39 56.5 47.5 71.3





#49

1,4-Dioxane

Concen: 502.685 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

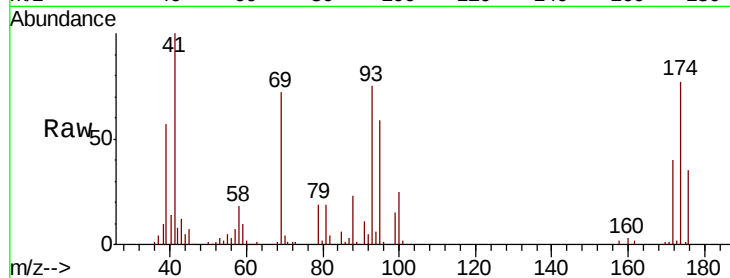
Tot Ion: 88 Resp: 21515

Ion Ratio Lower Upper

88 100

43 36.9 24.1 36.1#

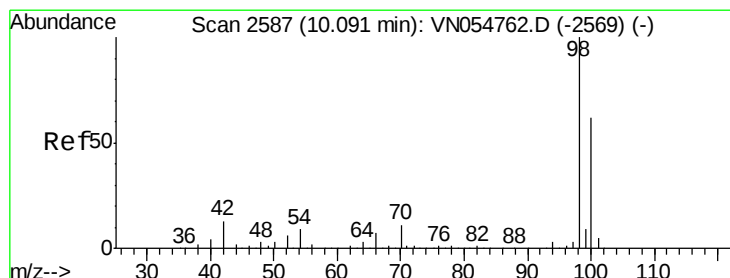
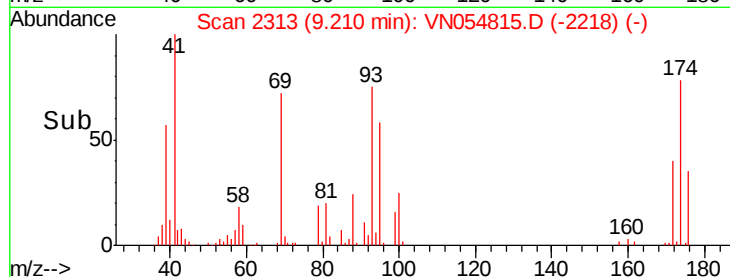
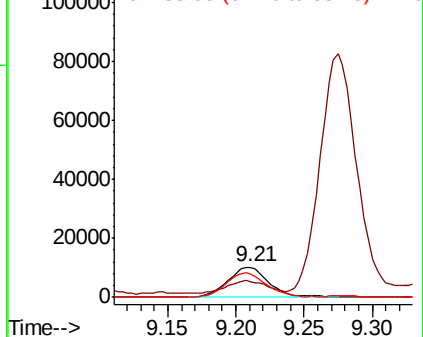
58 79.3 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 45.947 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054815.D

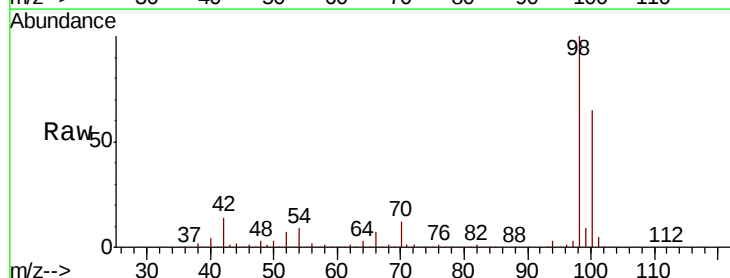
Acq: 30 Mar 2019 20:52

Tgt Ion: 98 Resp: 816209

Ion Ratio Lower Upper

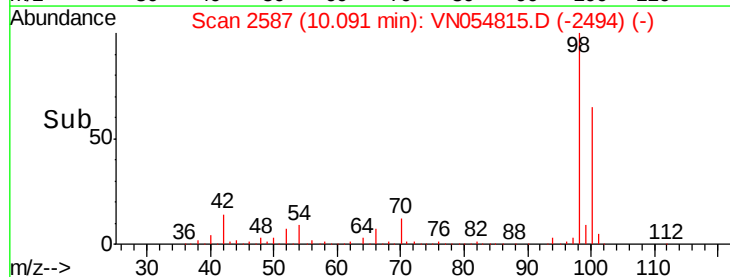
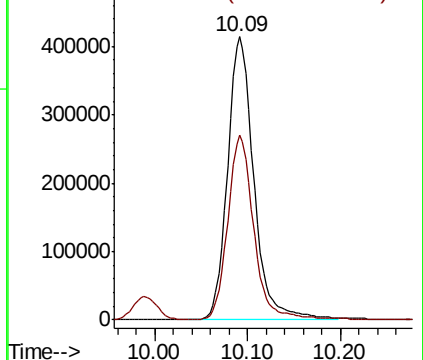
98 100

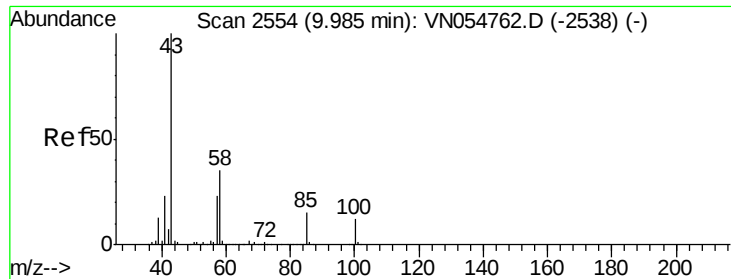
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 123.806 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

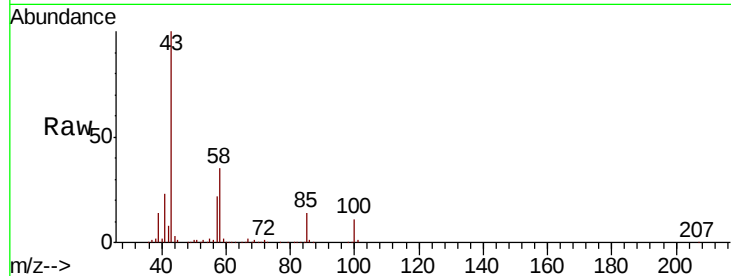
VN0330WBSD01

Tot Ion: 43 Resp: 553895

Ion Ratio Lower Upper

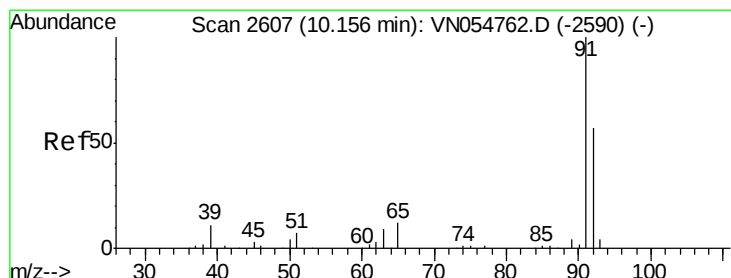
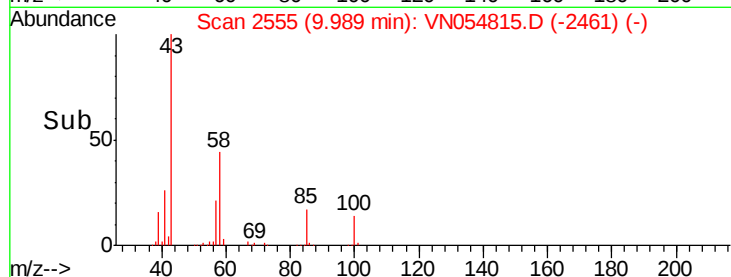
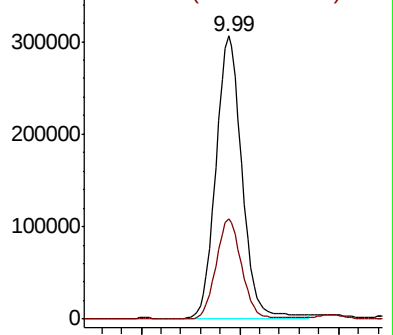
43 100

58 35.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.333 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054815.D

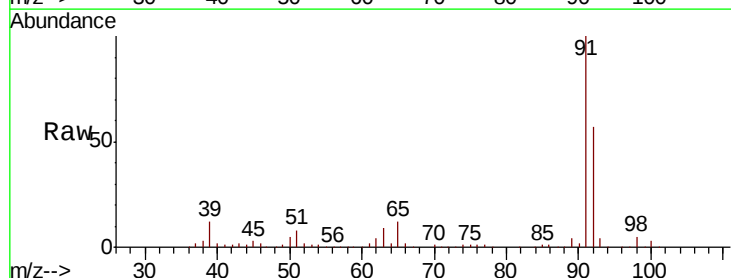
Acq: 30 Mar 2019 20:52

Tgt Ion: 92 Resp: 231201

Ion Ratio Lower Upper

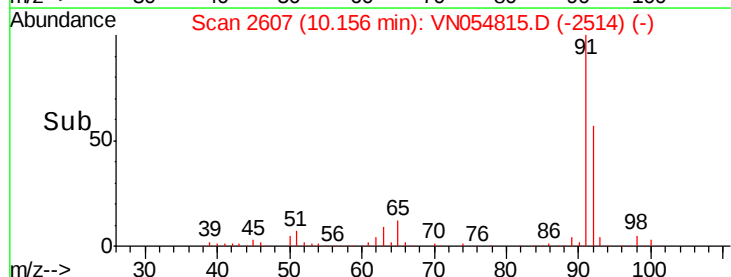
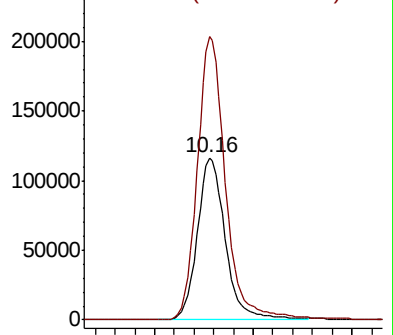
92 100

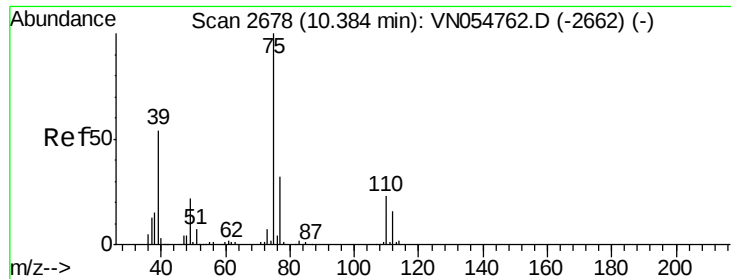
91 176.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.874 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

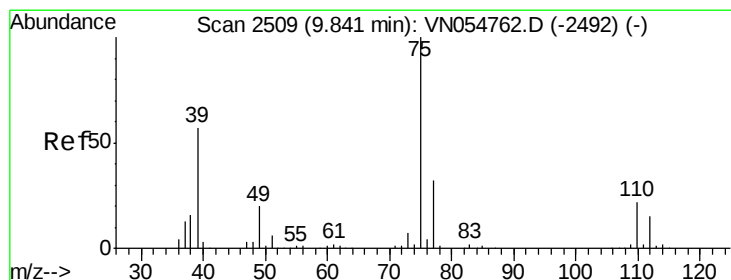
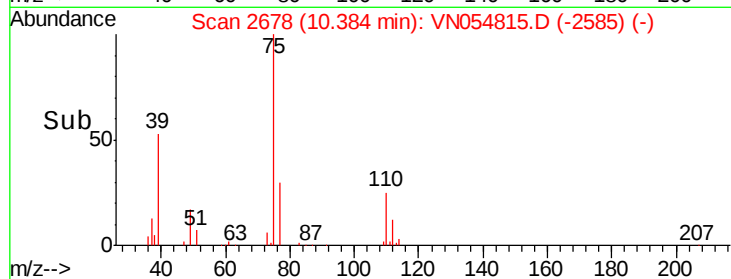
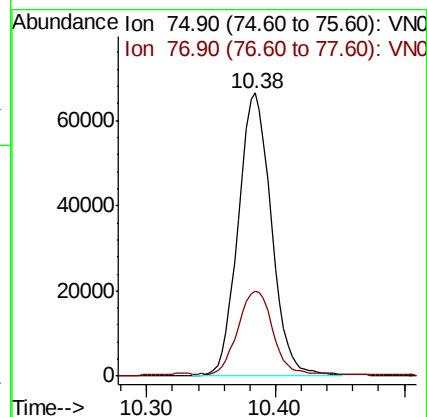
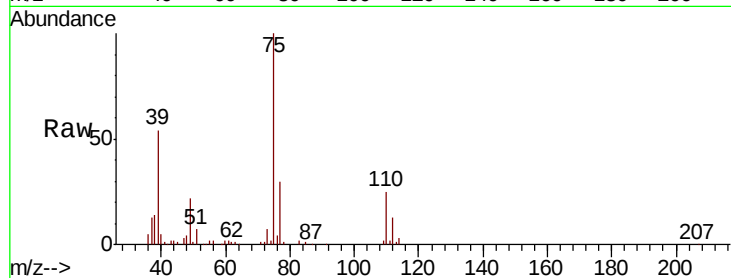
VN0330WBSD01

Tot Ion: 75 Resp: 119090

Ion Ratio Lower Upper

75 100

77 29.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.392 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

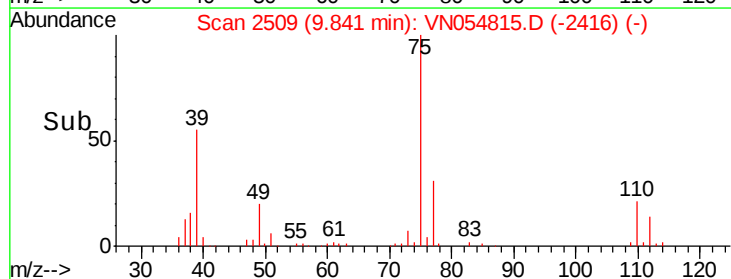
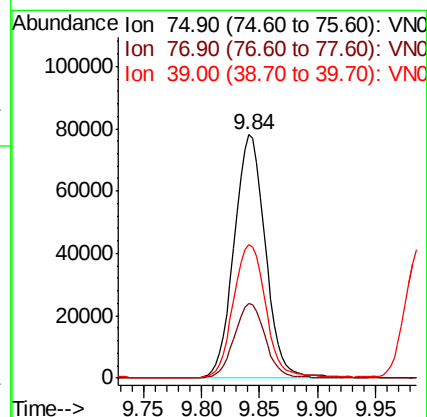
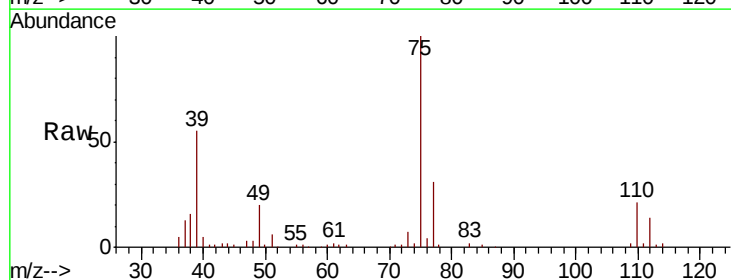
Tgt Ion: 75 Resp: 145966

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 54.7 37.2 55.8

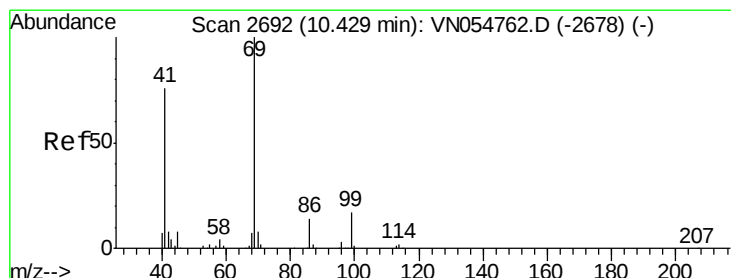
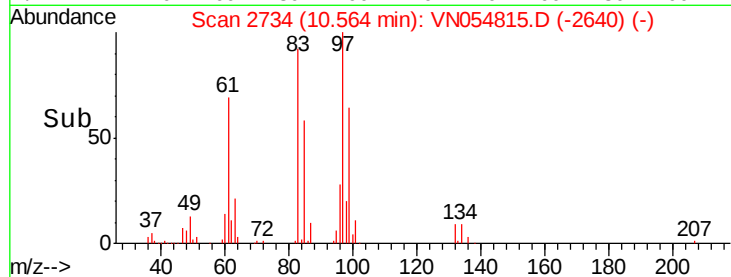
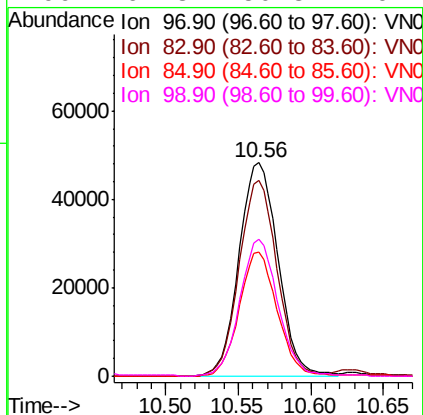
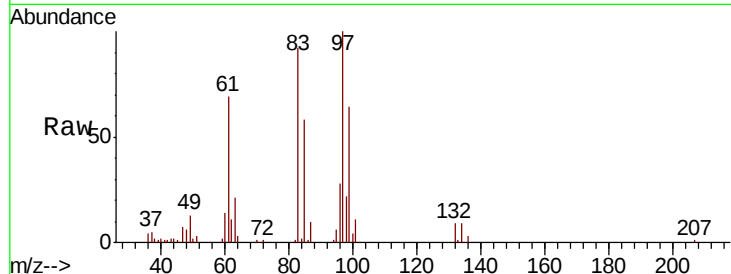




#55
 1,1,2-Trichloroethane
 Concen: 21.448 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

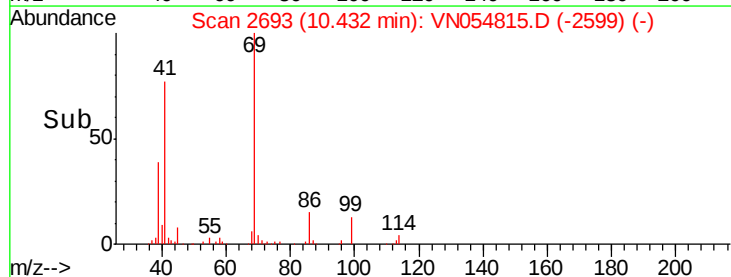
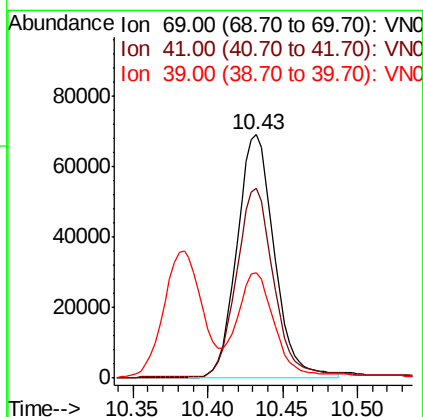
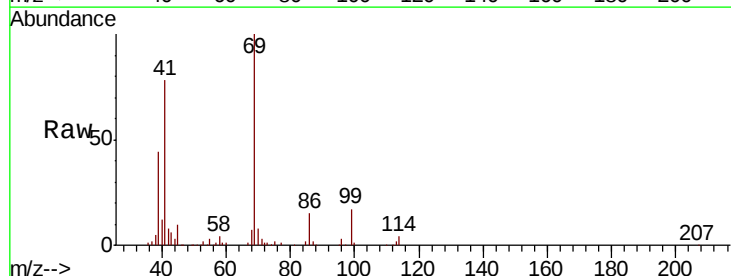
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

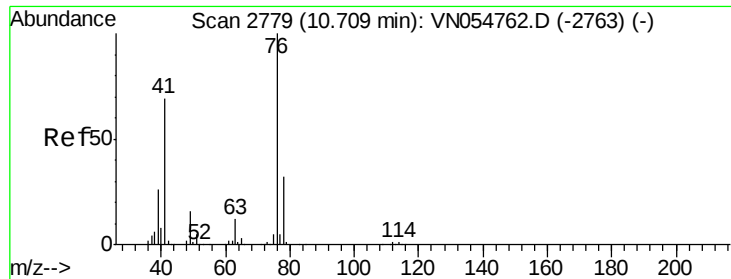
Tot Ion	97	Resp	90682
Ion	Ratio	Lower	Upper
97	100		
83	91.9	66.6	100.0
85	58.2	44.4	66.6
99	64.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 21.704 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	69	Resp	120375
Ion	Ratio	Lower	Upper
69	100		
41	77.5	49.4	74.2#
39	39.9	28.3	42.5

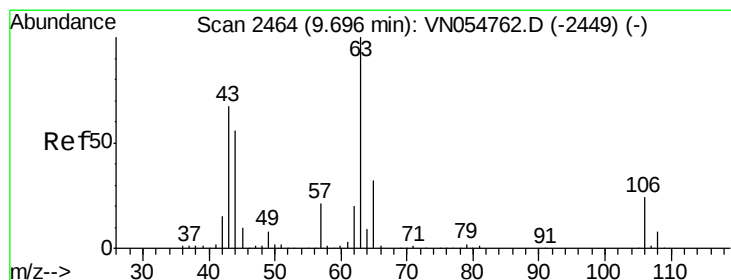
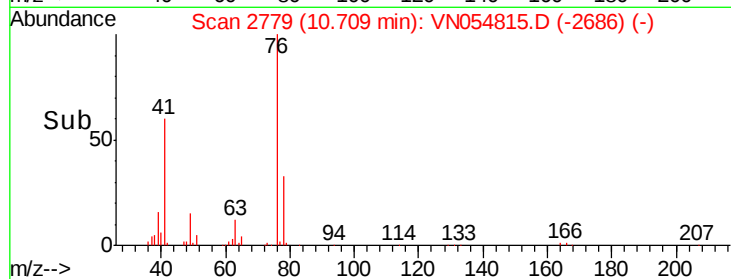
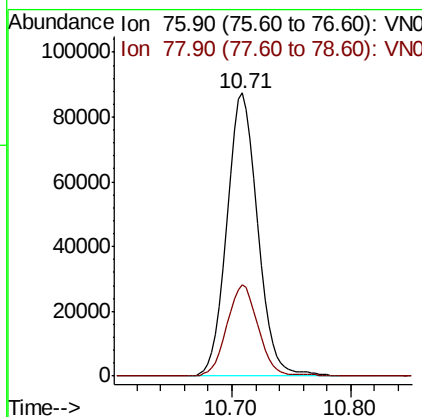
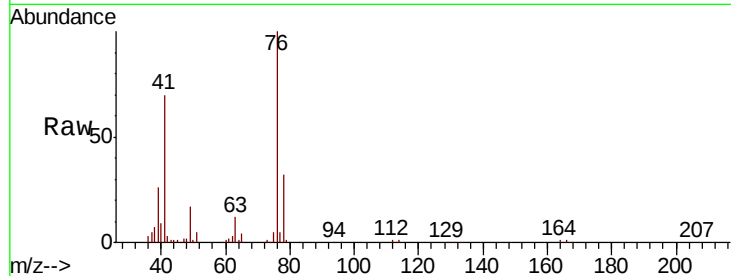




#57
 1,3-Dichloropropane
 Concen: 21.597 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

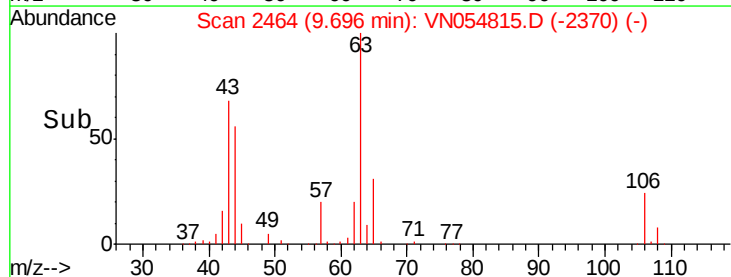
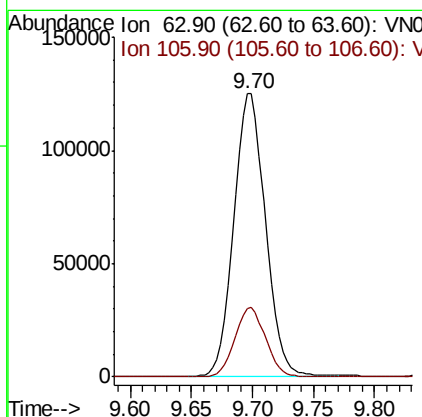
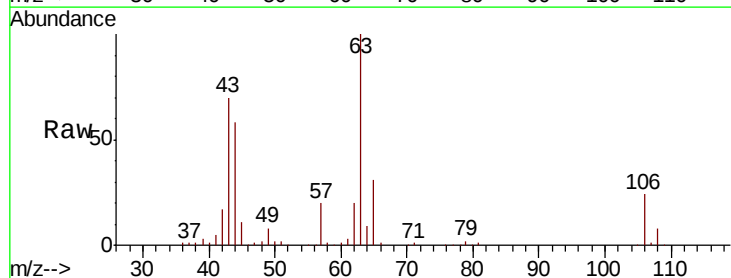
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

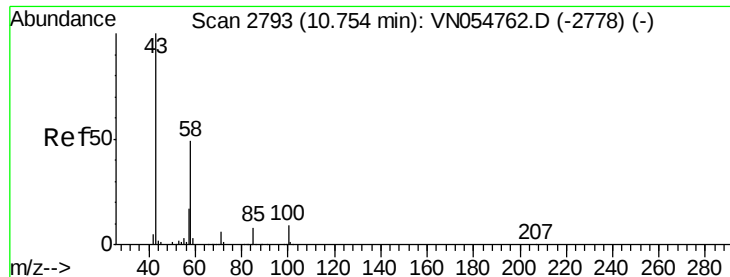
Tot Ion: 76 Resp: 156987
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.988 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 63 Resp: 225892
 Ion Ratio Lower Upper
 63 100
 106 23.9 24.4 36.6#

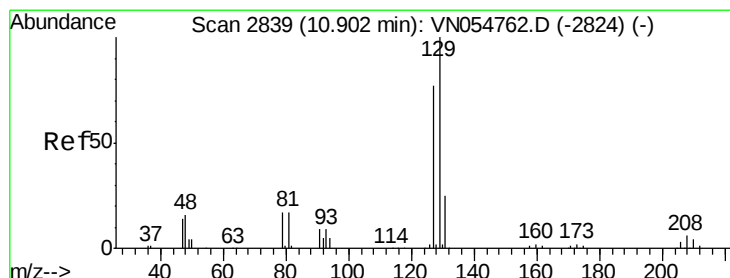
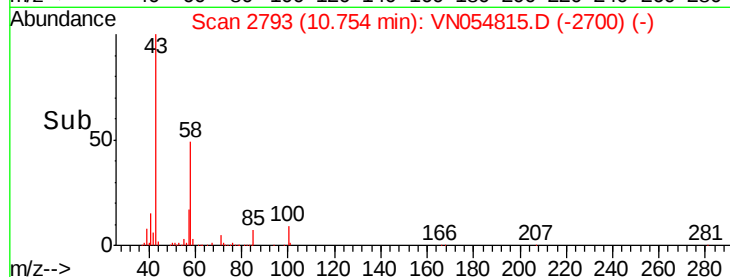
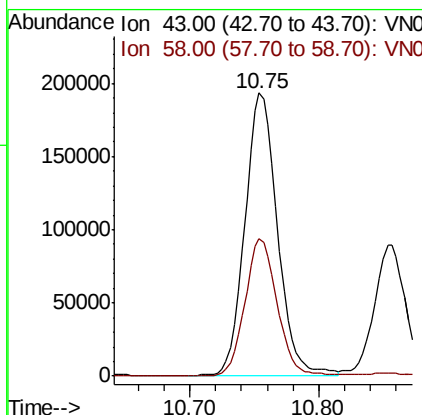
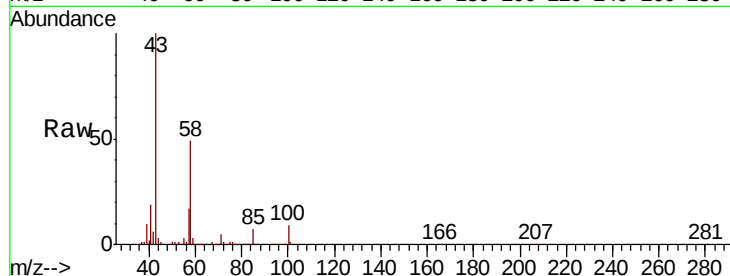




#59
2-Hexanone
Concen: 118.058 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

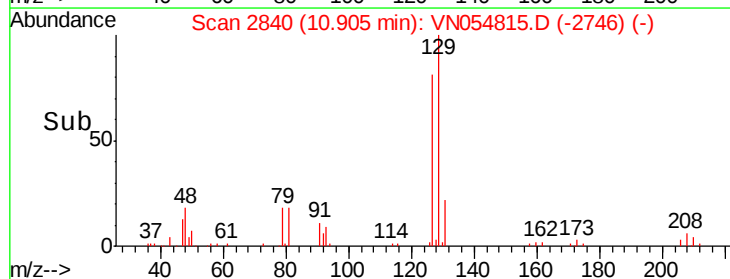
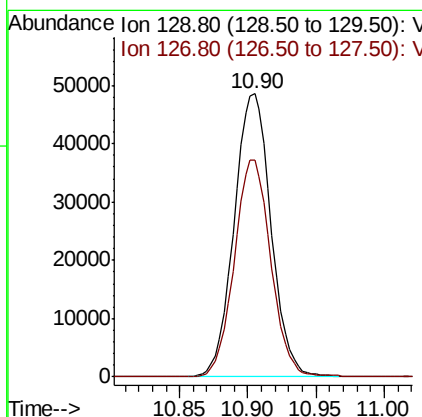
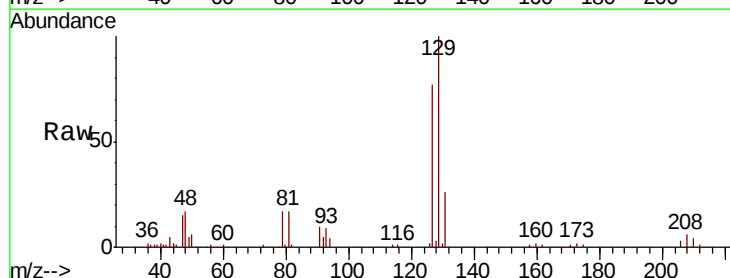
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

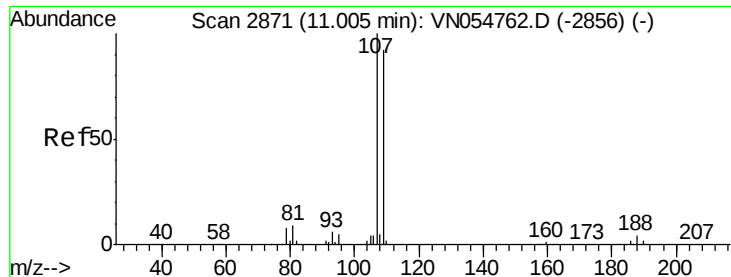
Tot Ion: 43 Resp: 338119
Ion Ratio Lower Upper
43 100
58 48.7 28.0 83.9



#60
Dibromochloromethane
Concen: 21.308 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 129 Resp: 91259
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8

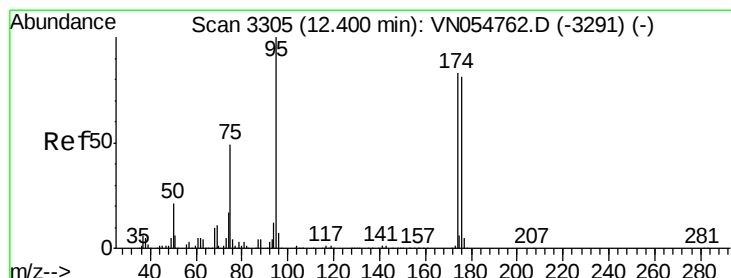
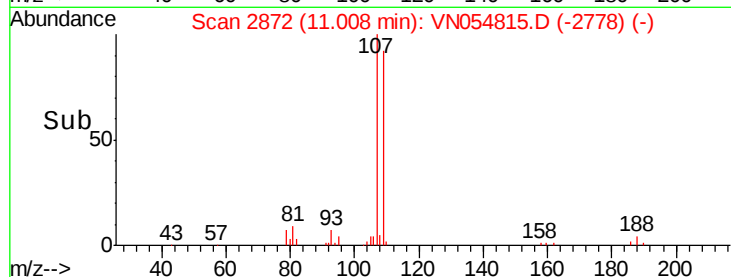
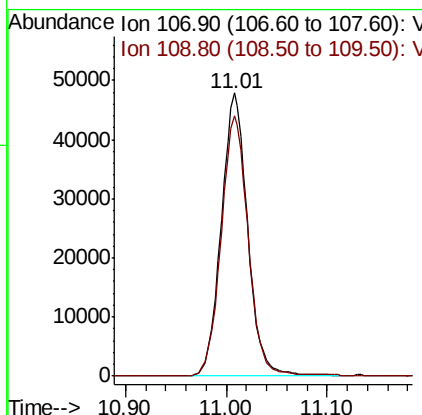
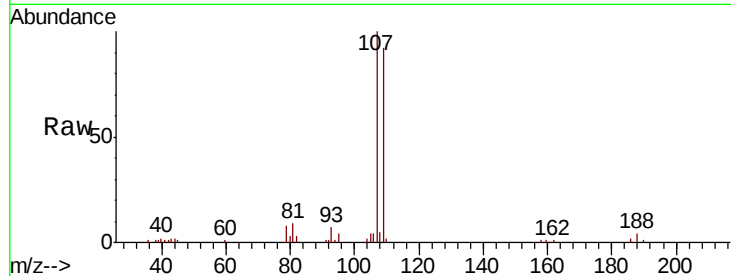




#61
 1,2-Dibromoethane
 Concen: 21.637 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

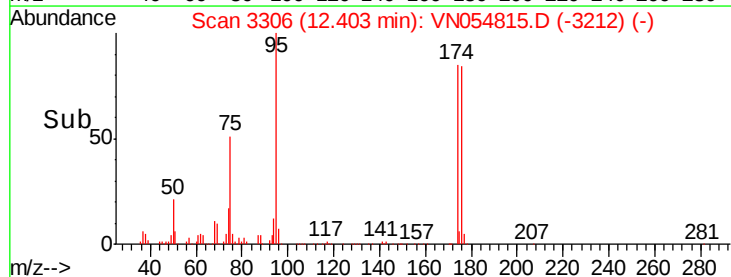
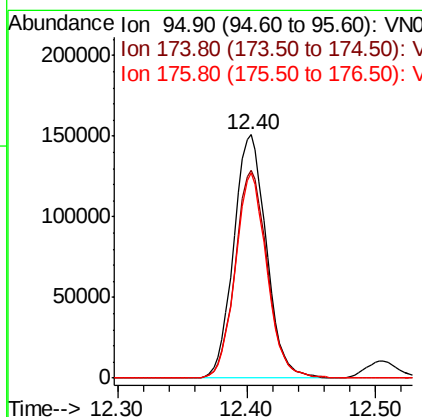
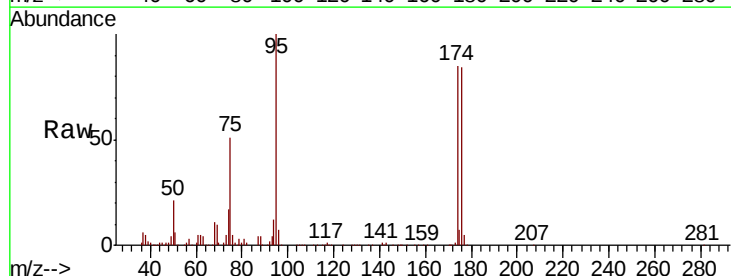
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

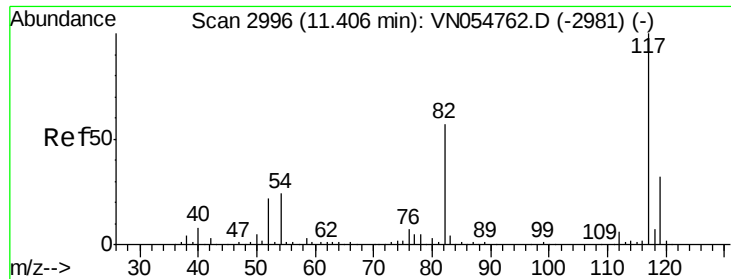
Tot Ion: 107 Resp: 87425
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.067 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 95 Resp: 266253
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 191.0
 176 81.3 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

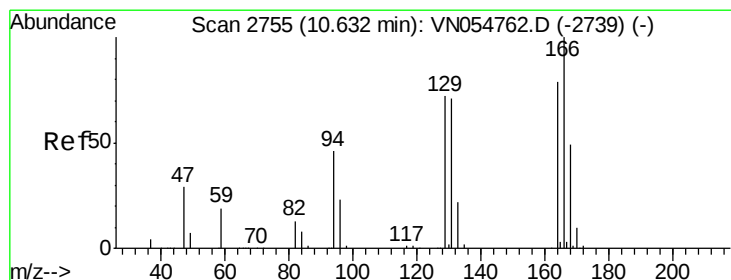
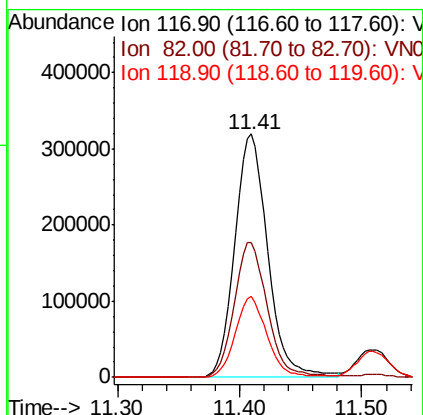
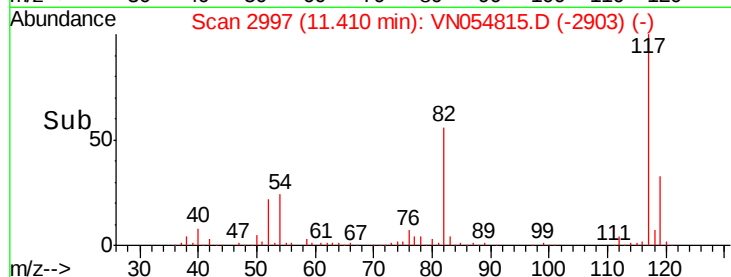
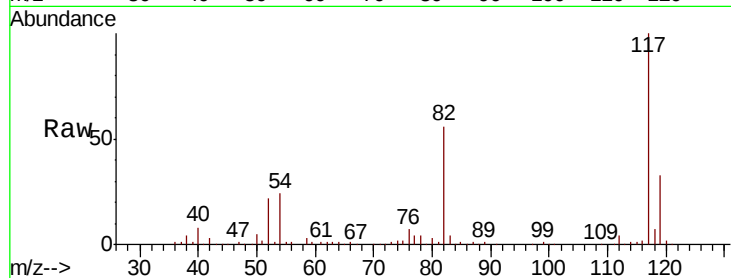
Tot Ion:117 Resp: 597341

Ion Ratio Lower Upper

117 100

82 55.6 40.0 60.0

119 33.0 25.8 38.6



#64

Tetrachloroethene

Concen: 20.801 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:164 Resp: 95347

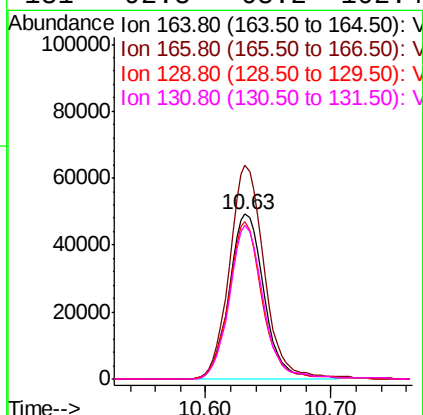
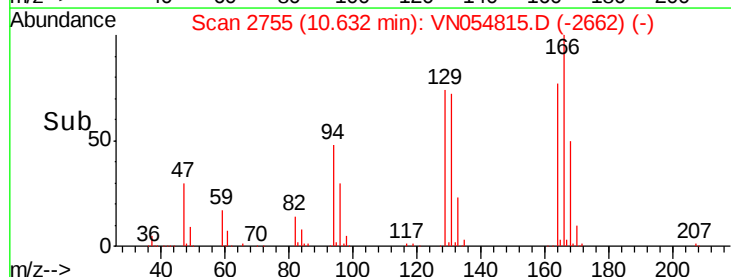
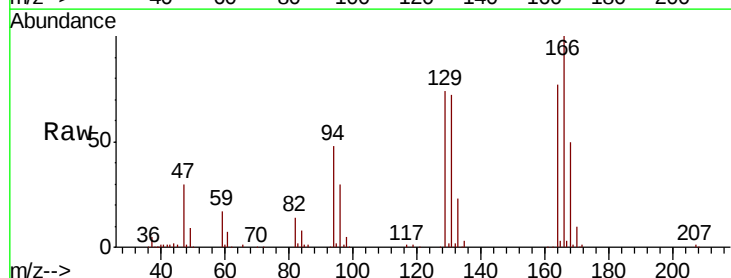
Ion Ratio Lower Upper

164 100

166 129.4 103.9 155.9

129 95.4 71.1 106.7

131 92.8 68.2 102.4

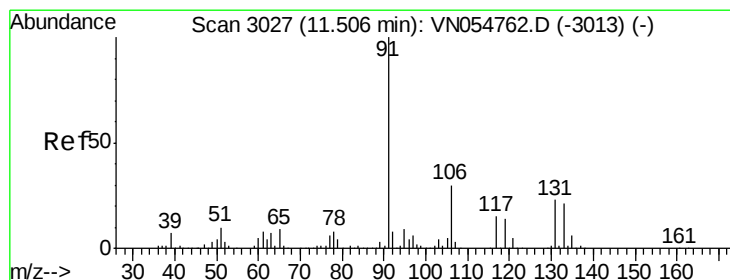
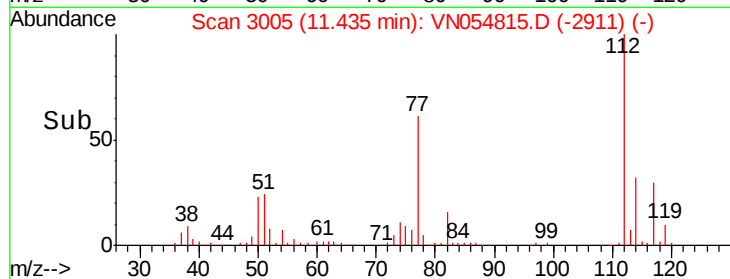
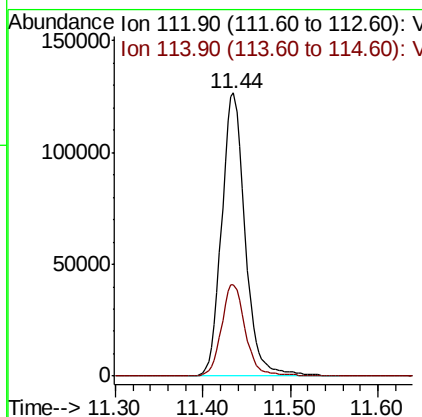
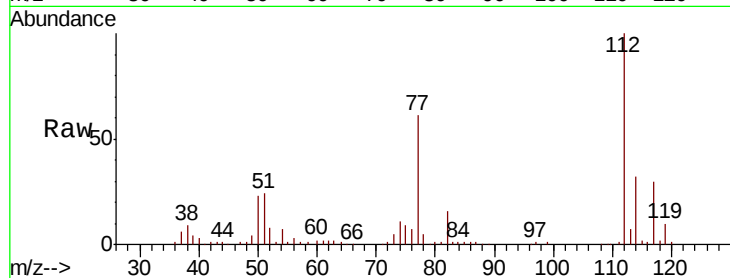




#65
Chlorobenzene
Concen: 20.229 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

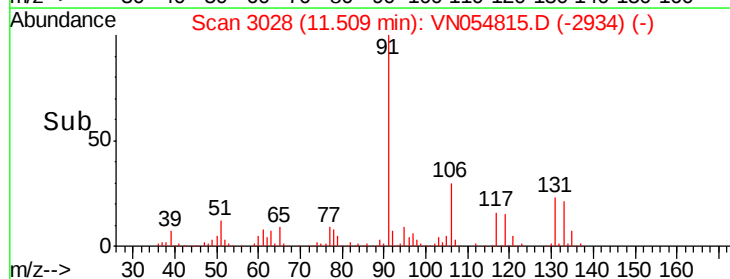
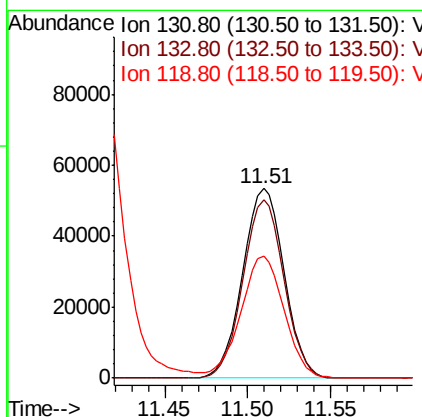
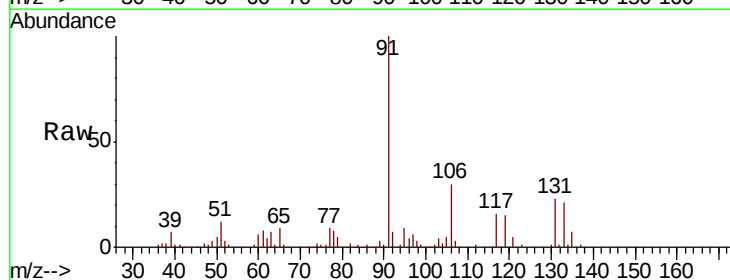
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

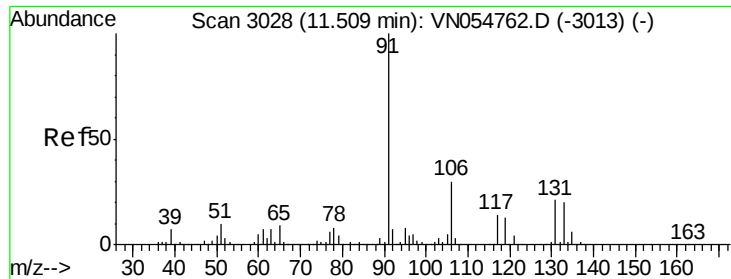
Tot Ion:112 Resp: 236586
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.326 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:131 Resp: 93353
Ion Ratio Lower Upper
131 100
133 93.0 47.6 142.9
119 67.5 32.4 97.0

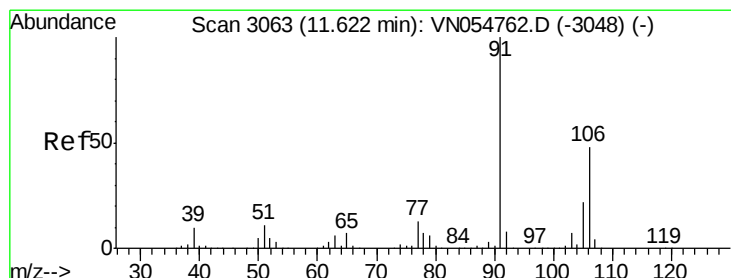
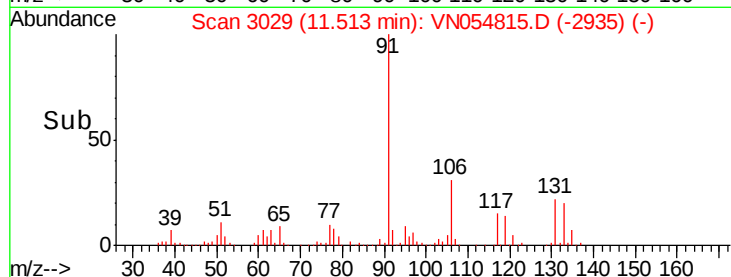
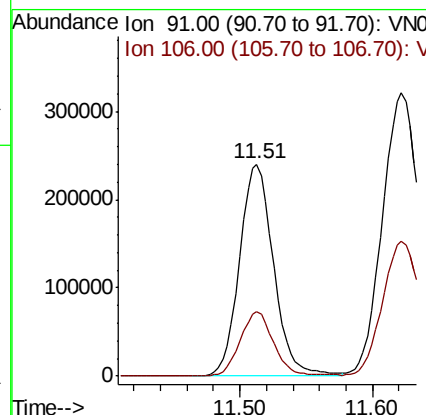
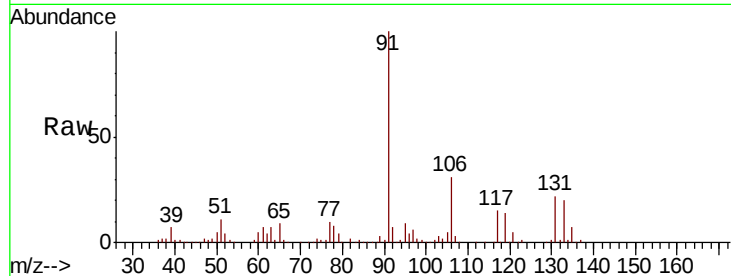




#67
Ethyl Benzene
Concen: 20.311 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

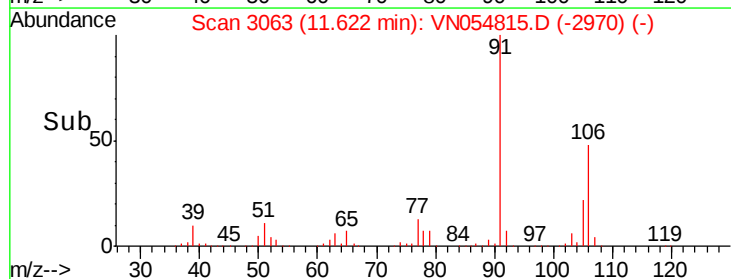
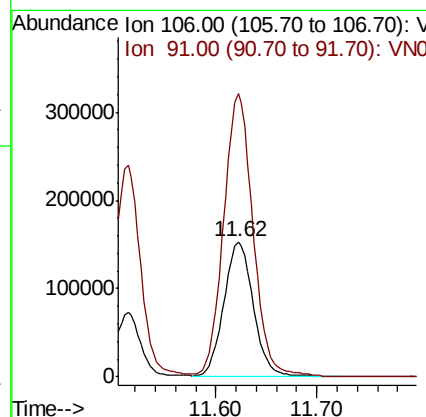
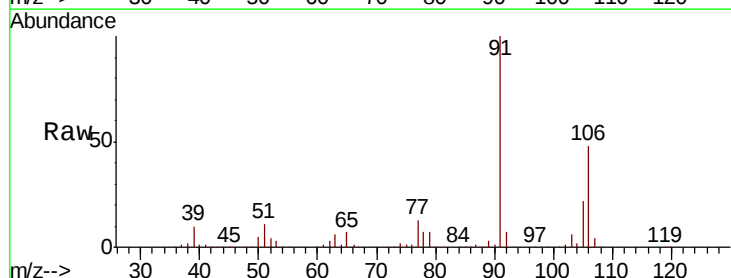
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

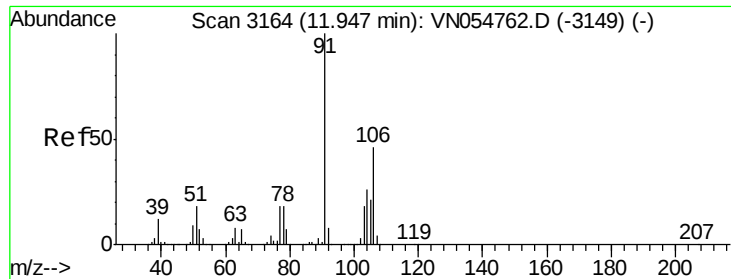
Tot Ion: 91 Resp: 428667
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3



#68
m/p-Xylenes
Concen: 40.340 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 106 Resp: 315056
Ion Ratio Lower Upper
106 100
91 208.2 159.4 239.2

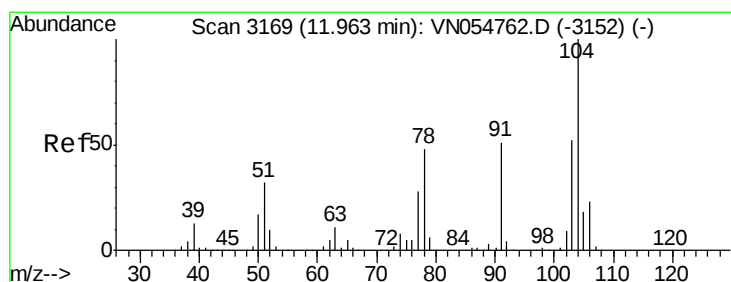
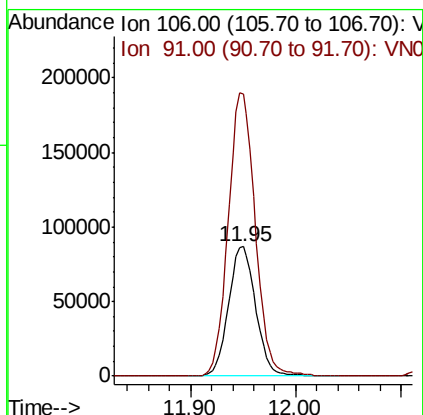
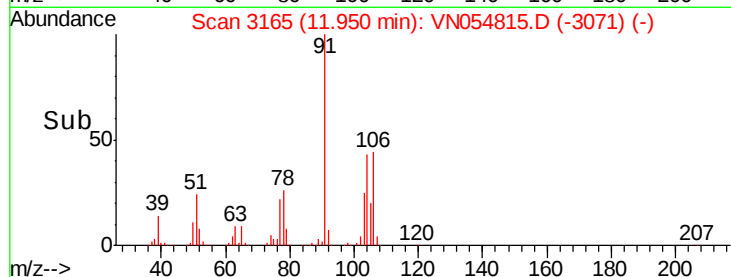
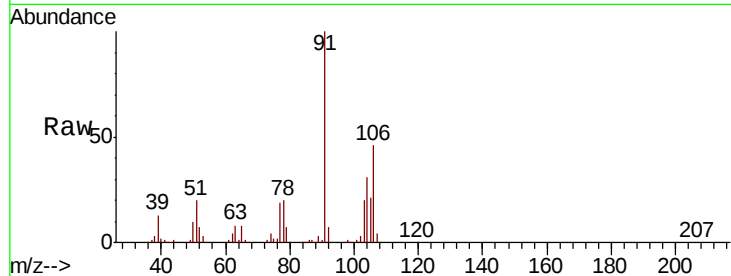




#69
o-Xylene
Concen: 20.255 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

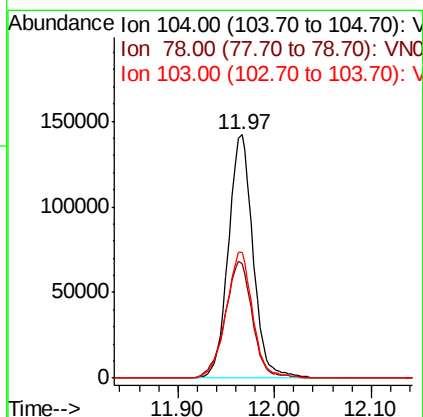
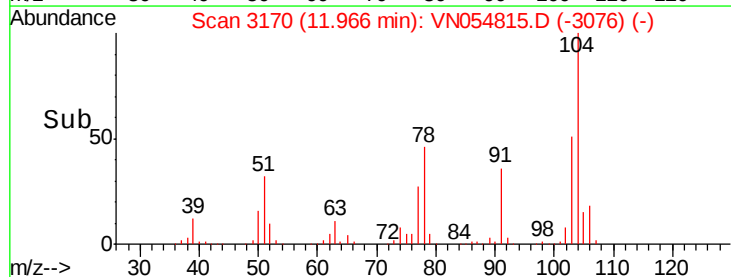
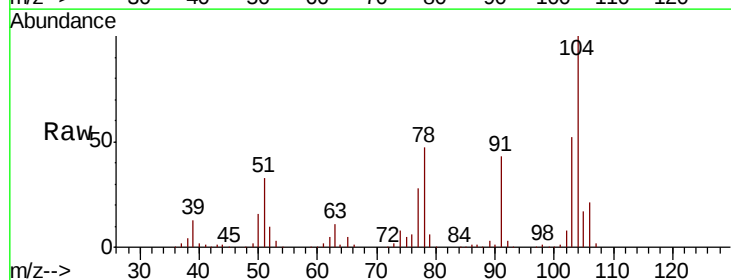
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion:106 Resp: 155121
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1



#70
Styrene
Concen: 20.597 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:104 Resp: 252223
Ion Ratio Lower Upper
104 100
78 53.1 38.2 57.2
103 55.8 44.4 66.6

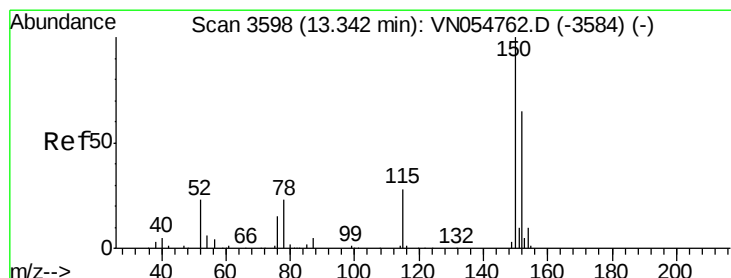
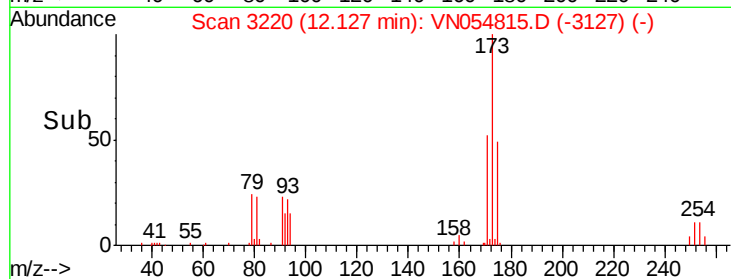
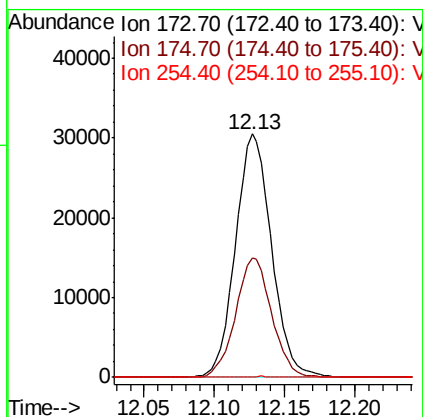
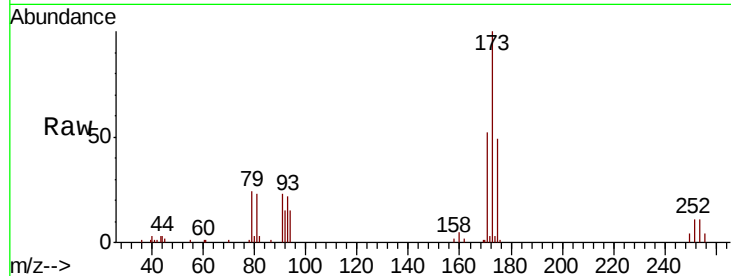




#71
Bromoform
Concen: 21.308 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

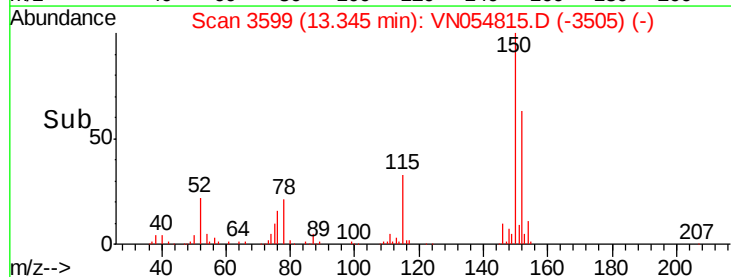
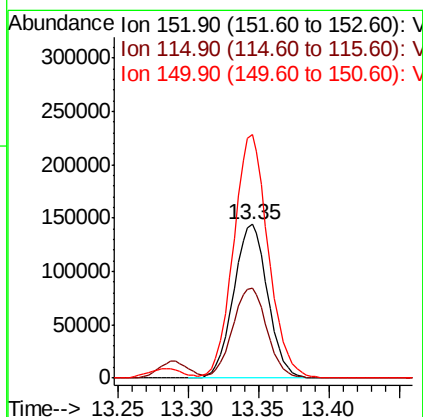
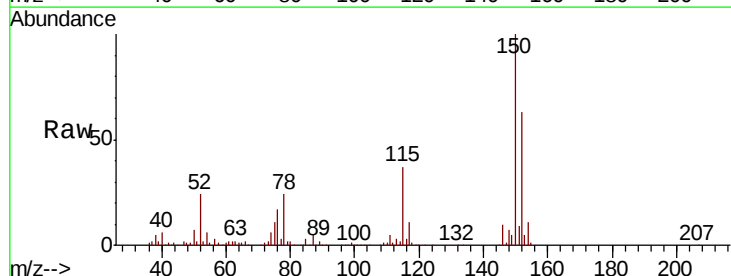
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

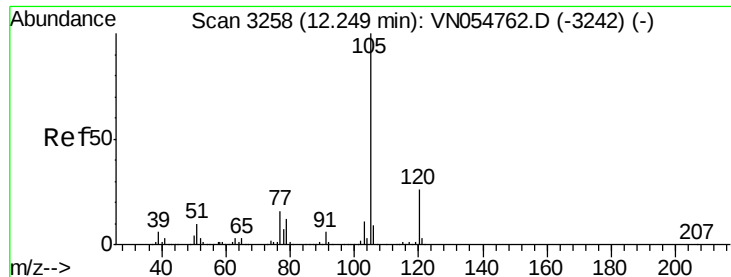
Tot Ion:173 Resp: 54645
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:152 Resp: 244096
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 161.0 0.0 349.2





#73

Isopropylbenzene

Concen: 20.343 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

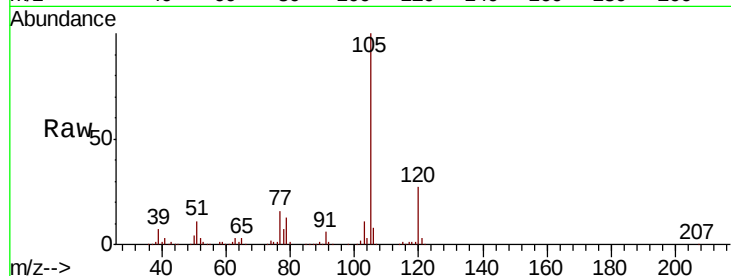
VN0330WBSD01

Tot Ion:105 Resp: 405874

Ion Ratio Lower Upper

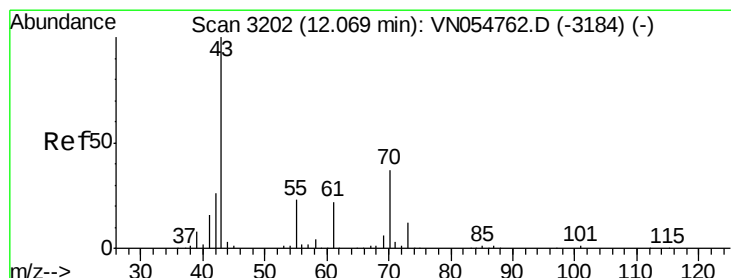
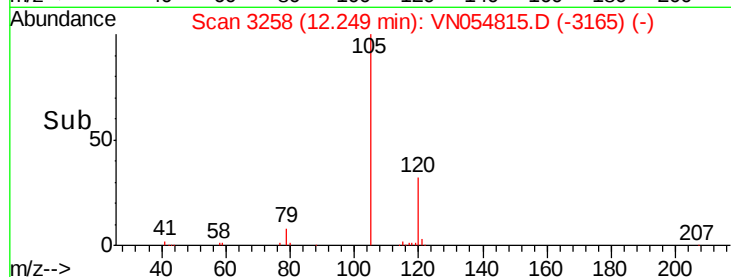
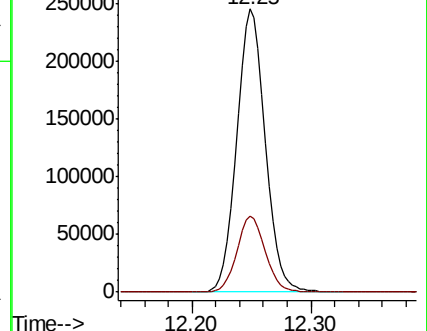
105 100

120 26.7 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: 22.595 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion: 43 Resp: 140446

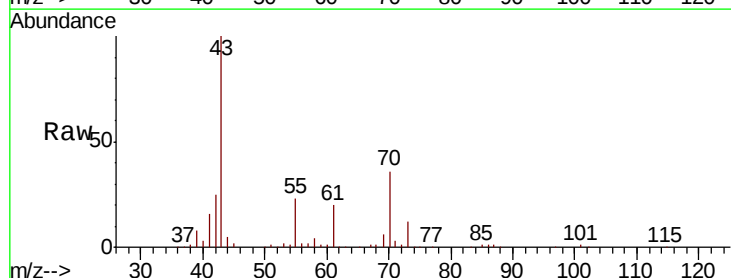
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 23.5 19.8 29.6

61 21.5 19.8 29.6

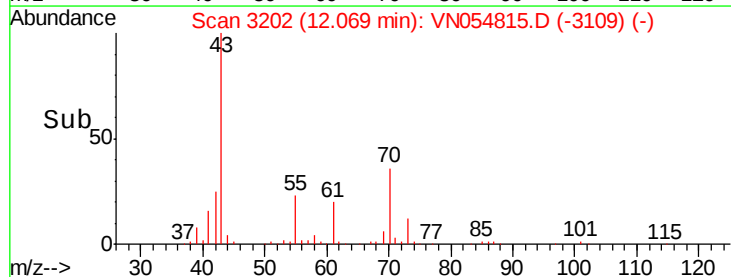
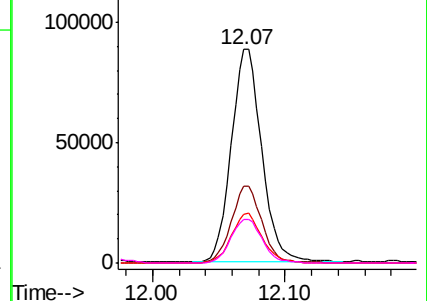


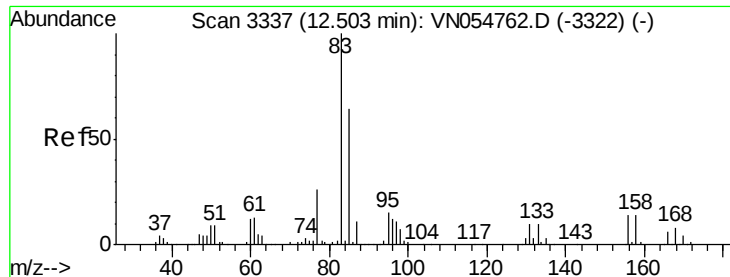
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.642 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

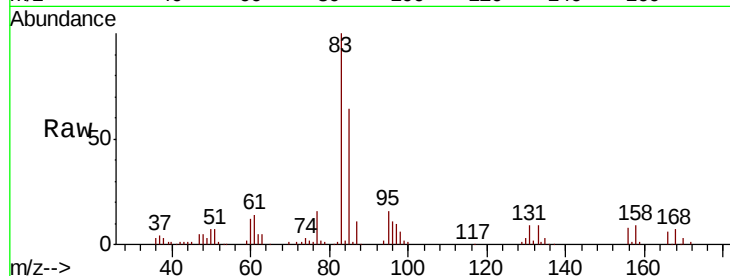
Tot Ion: 83 Resp: 112199

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.8	17.4
85	65.5	32.2	96.6

83 100

131 9.7 5.8 17.4

85 65.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

60000

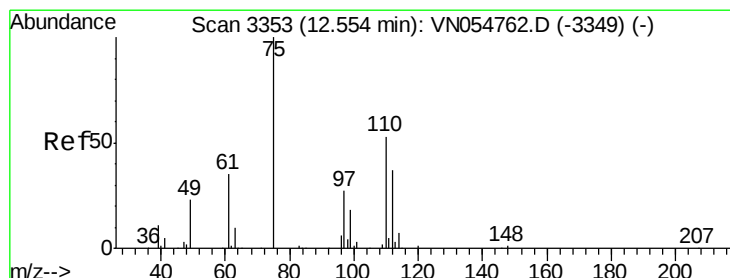
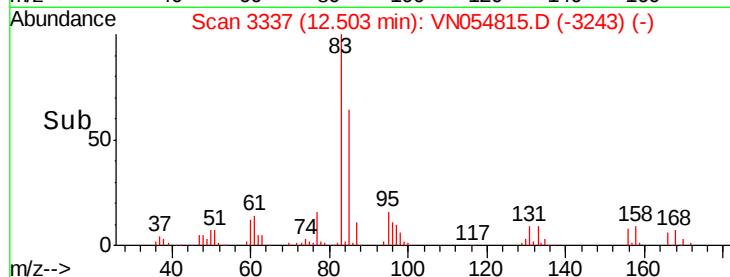
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.884 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054815.D

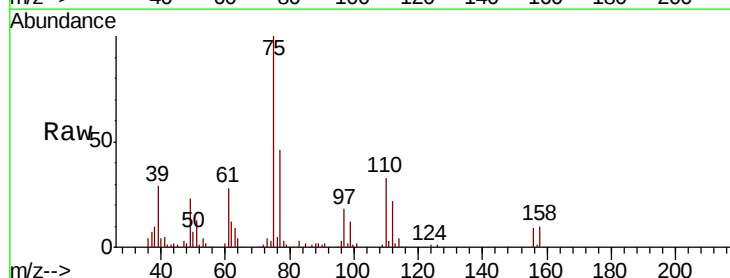
Acq: 30 Mar 2019 20:52

Tgt Ion: 75 Resp: 126723

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

60000

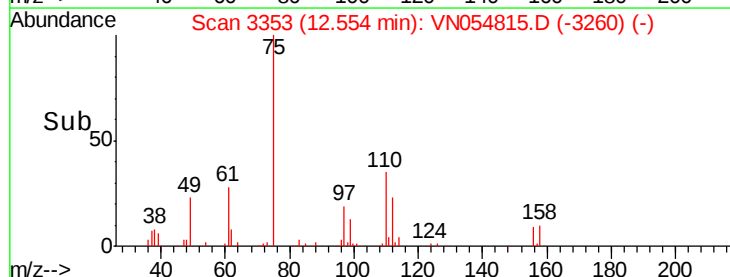
40000

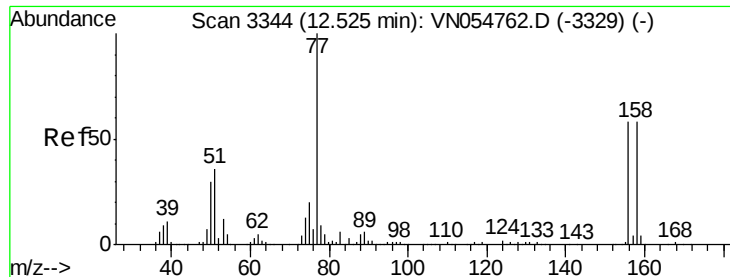
20000

0

12.50 12.55

Time-->





#77

Bromobenzene

Concen: 20.077 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

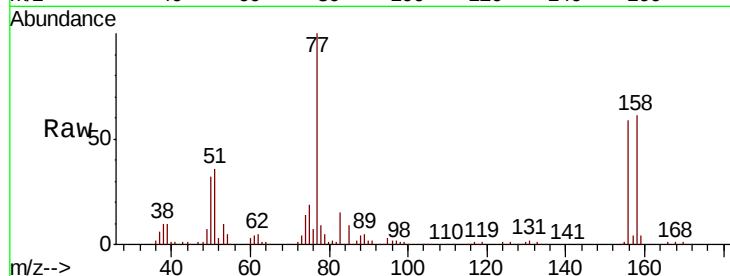
Tot Ion:156 Resp: 96675

Ion Ratio Lower Upper

156 100

77 199.9 81.5 244.4

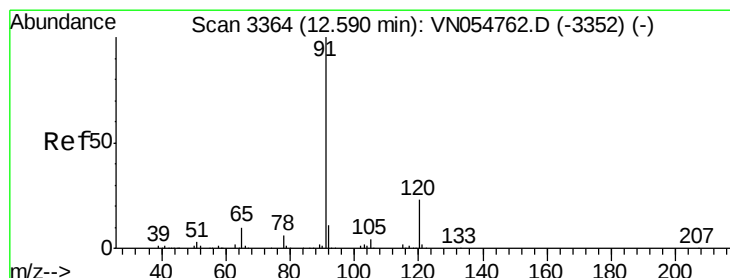
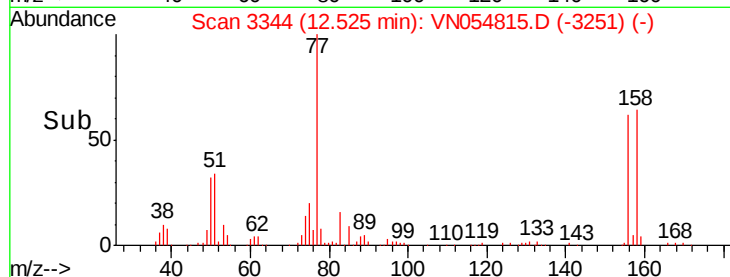
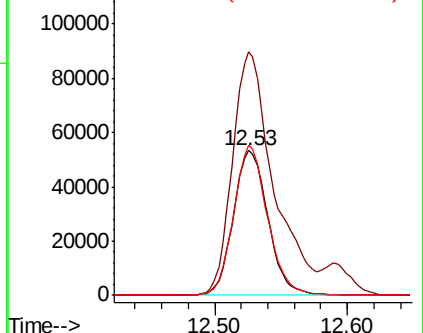
158 101.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.077 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054815.D

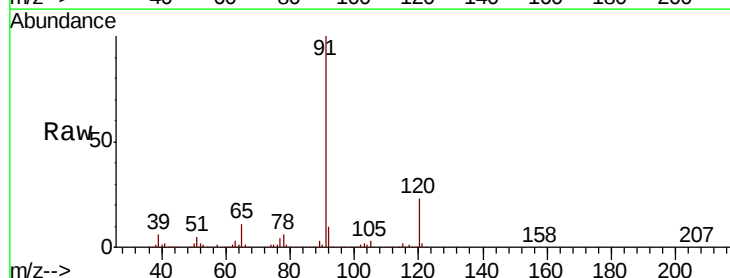
Acq: 30 Mar 2019 20:52

Tgt Ion: 91 Resp: 440266

Ion Ratio Lower Upper

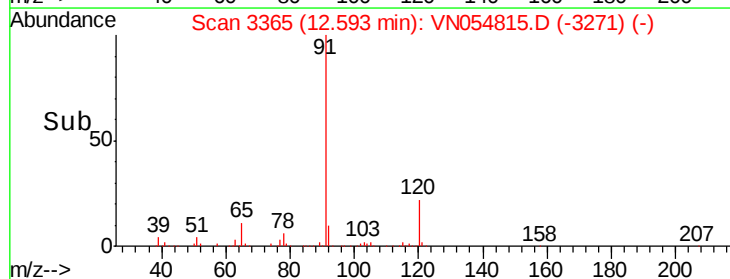
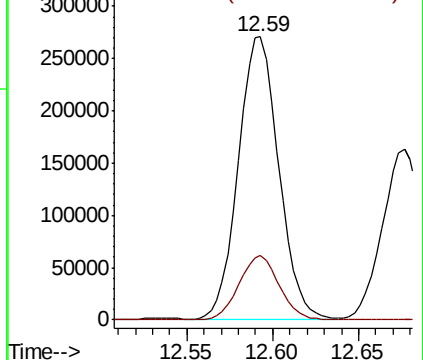
91 100

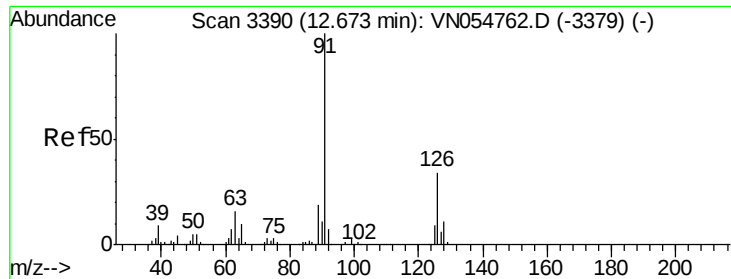
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

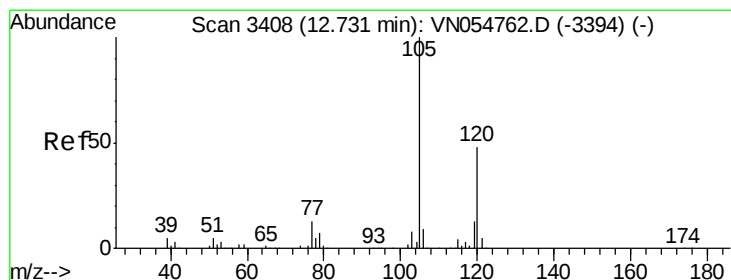
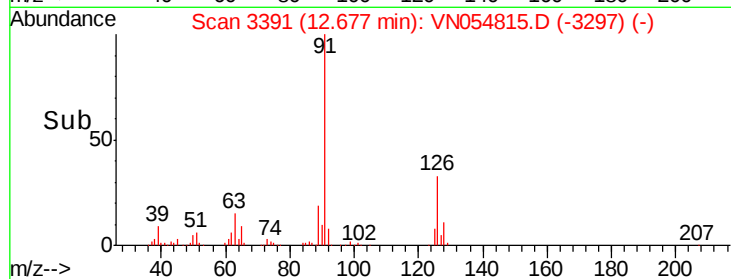
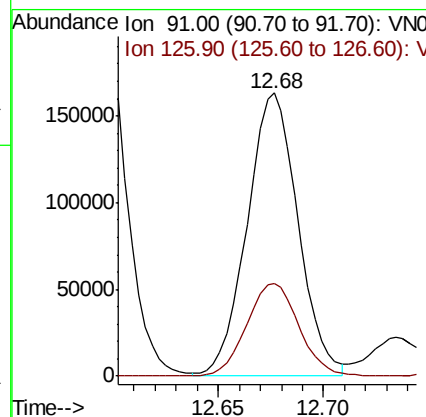
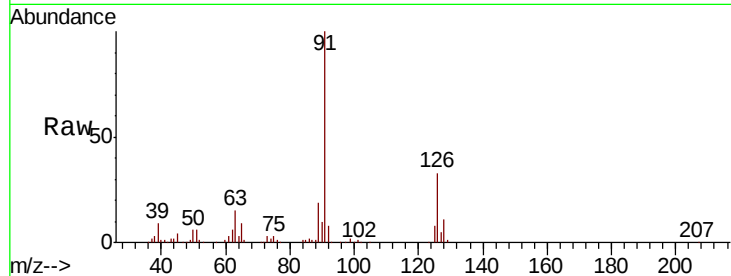




#79
 2-Chlorotoluene
 Concen: 20.039 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

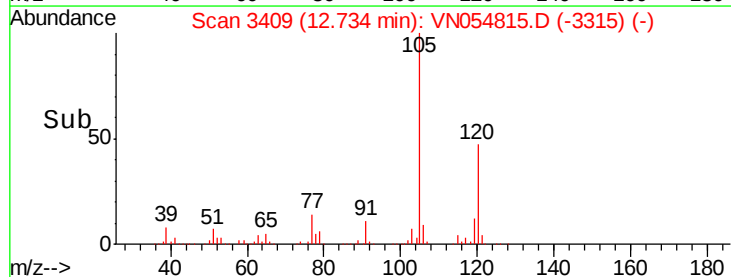
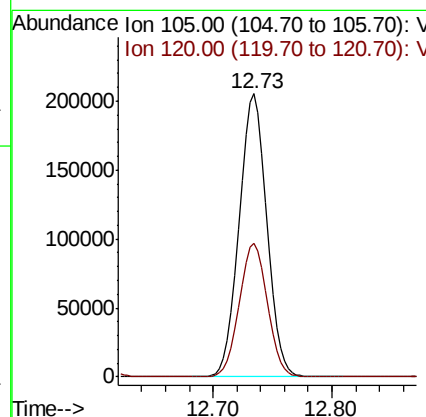
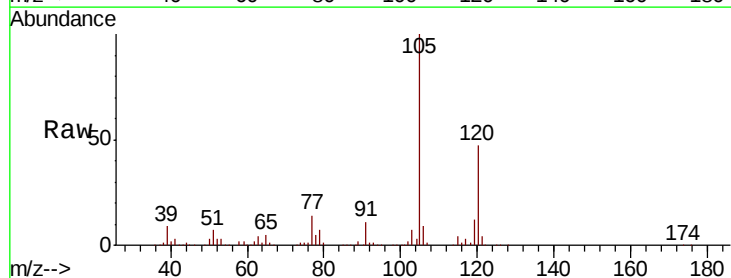
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

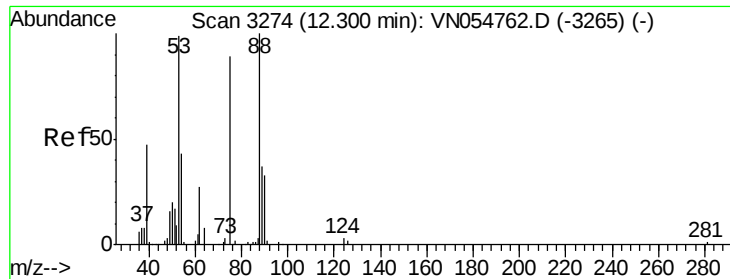
Tot Ion: 91 Resp: 271859
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.206 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 105 Resp: 330789
 Ion Ratio Lower Upper
 105 100
 120 48.0 25.0 75.0

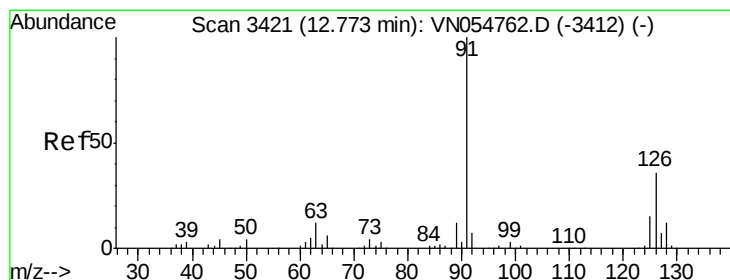
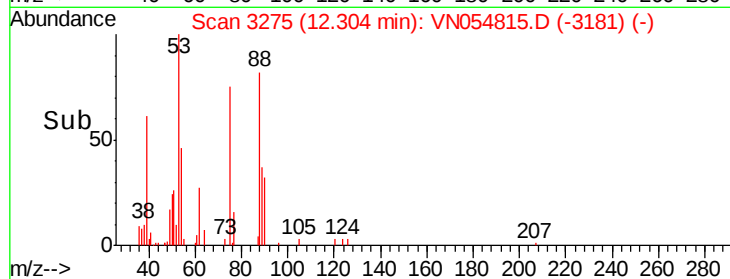
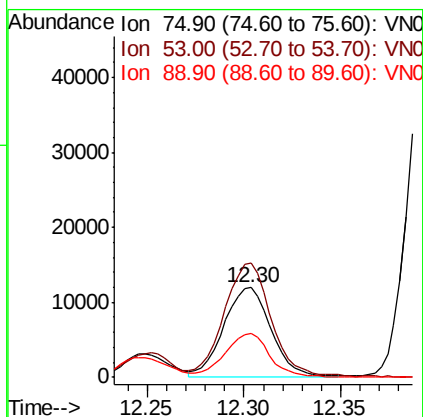
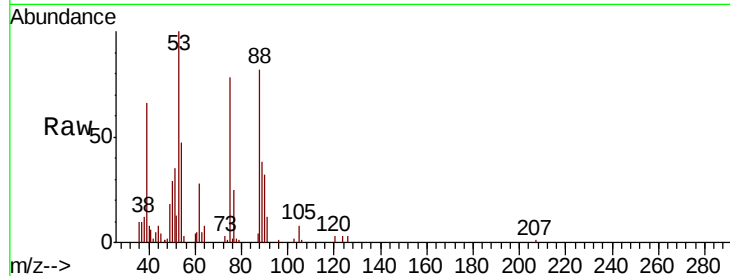




#81
trans-1,4-Dichloro-2-butene
Concen: 18.832 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

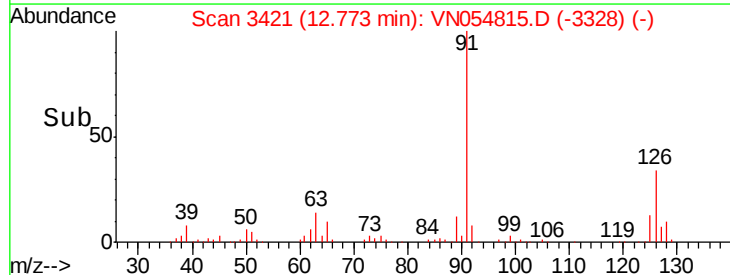
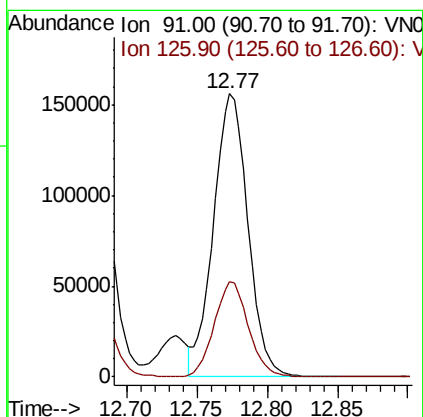
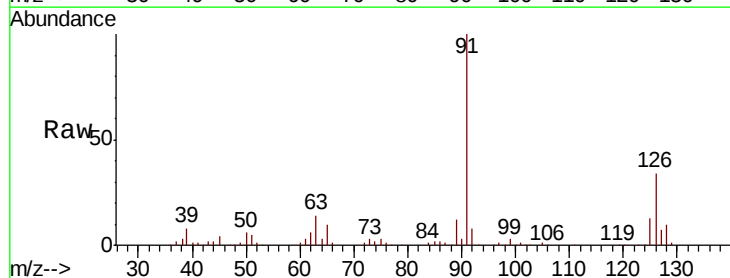
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

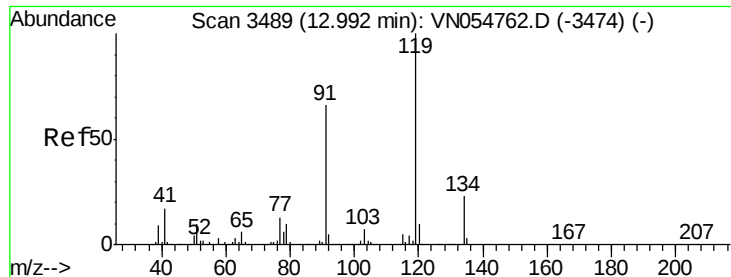
Tot Ion: 75 Resp: 20530
Ion Ratio Lower Upper
75 100
53 126.6 76.2 114.2#
89 45.7 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.083 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 91 Resp: 264642
Ion Ratio Lower Upper
91 100
126 33.5 18.1 54.1

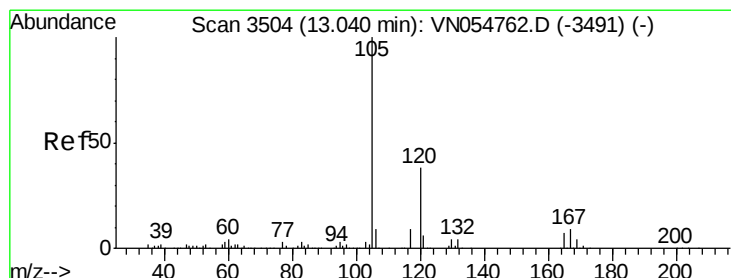
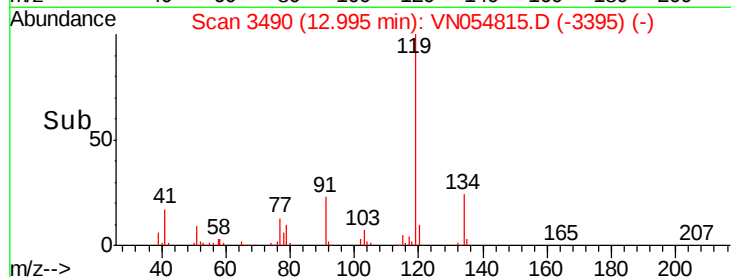
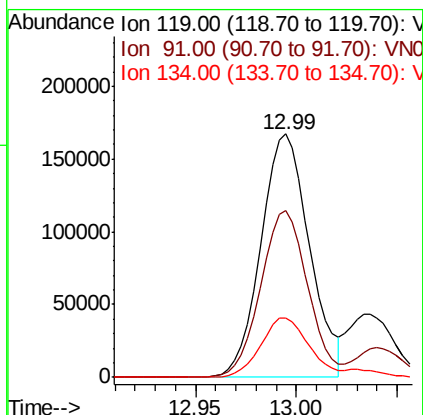
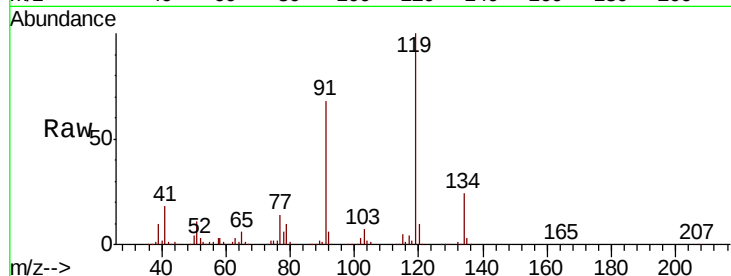




#83
 tert-Butylbenzene
 Concen: 20.894 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

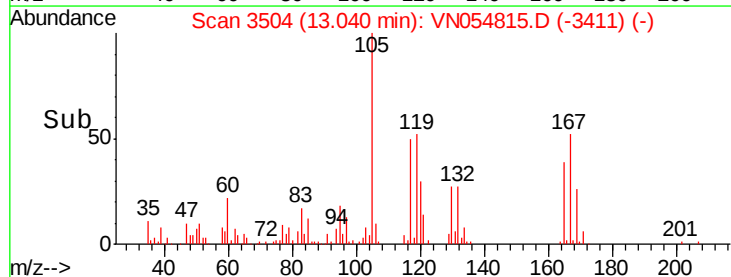
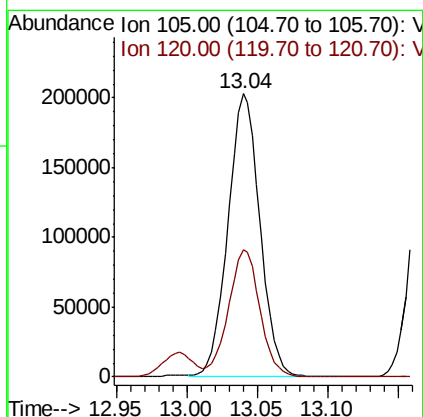
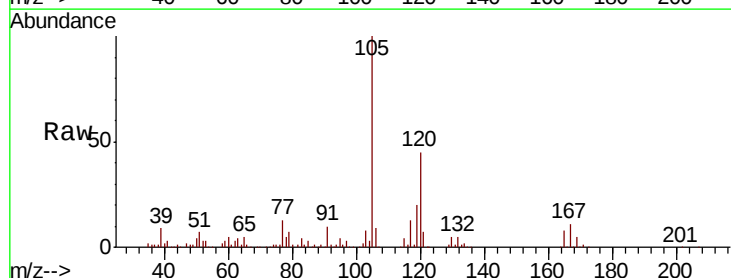
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

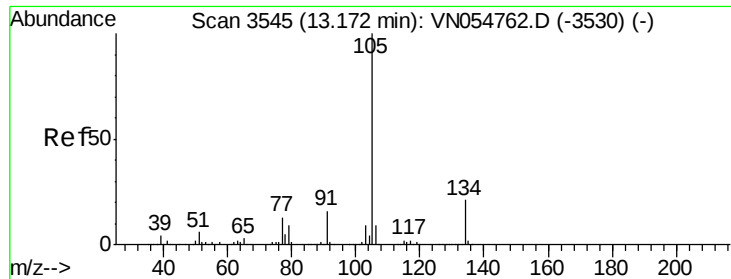
Tot Ion:119 Resp: 280440
 Ion Ratio Lower Upper
 119 100
 91 66.7 30.9 92.8
 134 24.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.594 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion:105 Resp: 321200
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

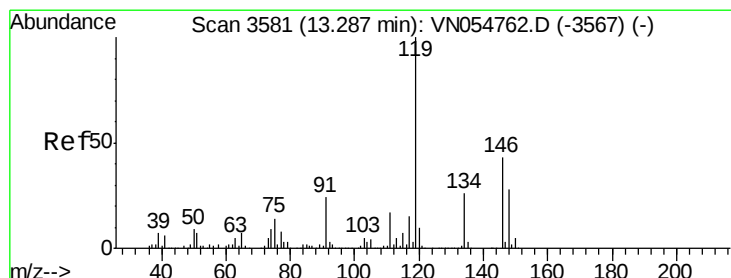
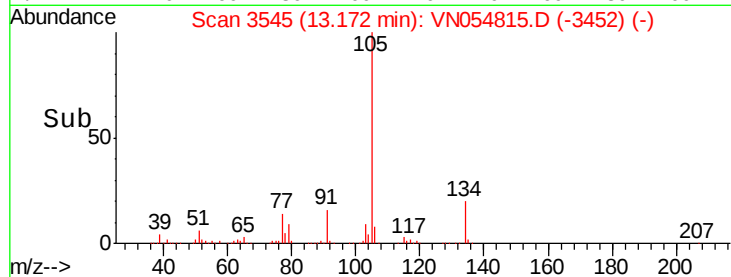
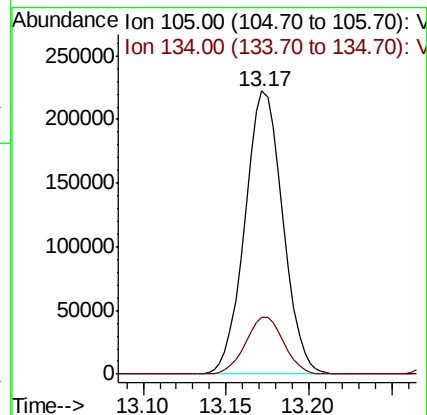
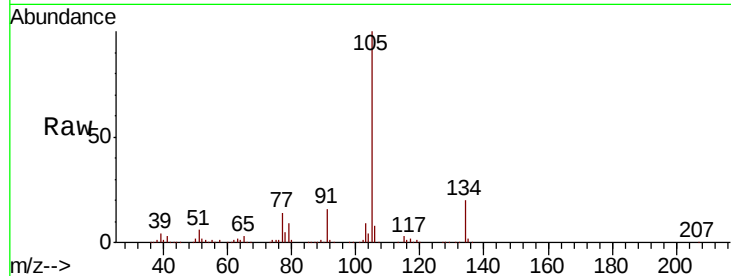
VN0330WBSD01

Tot Ion:105 Resp: 353581

Ion Ratio Lower Upper

105 100

134 20.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.272 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

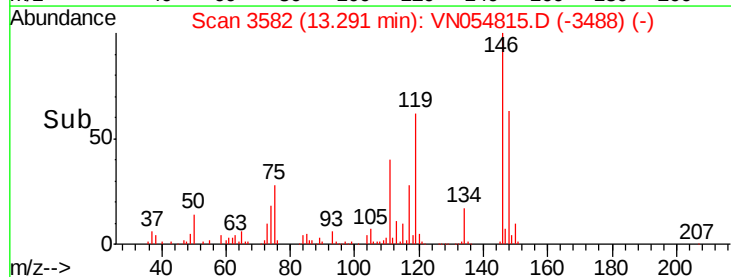
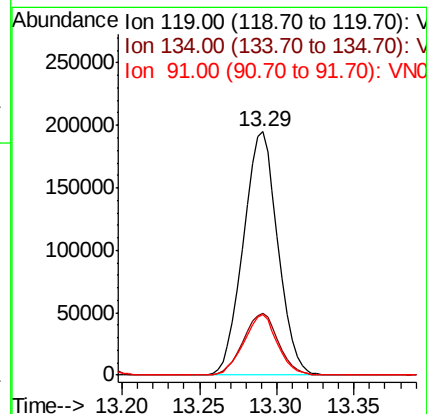
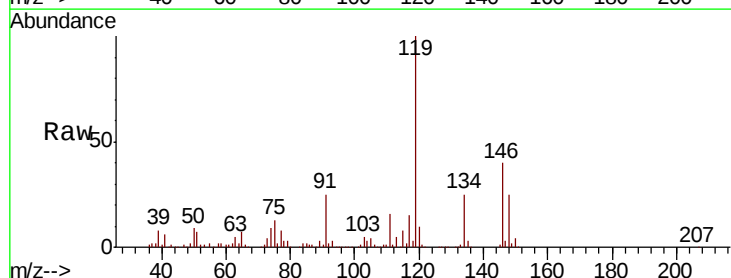
Tgt Ion:119 Resp: 302282

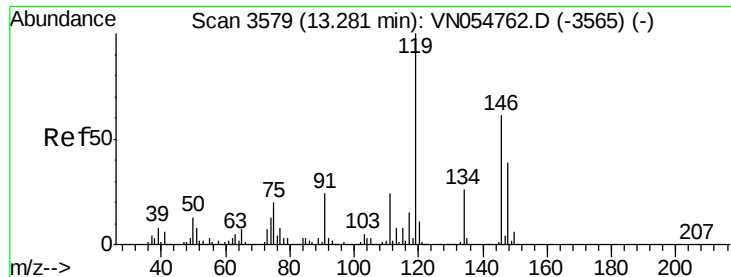
Ion Ratio Lower Upper

119 100

134 25.9 13.6 40.8

91 24.3 11.1 33.3

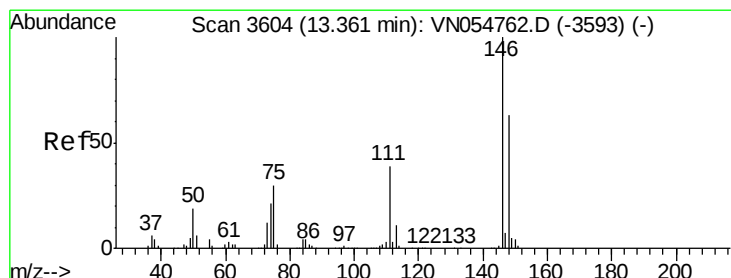
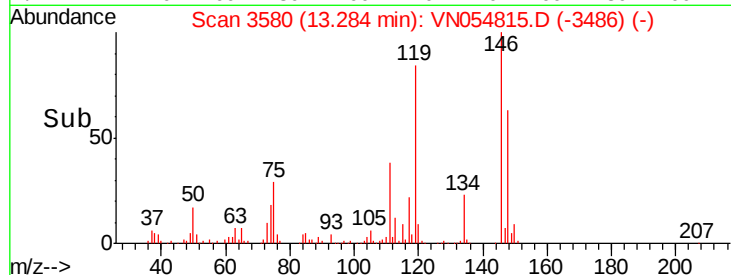
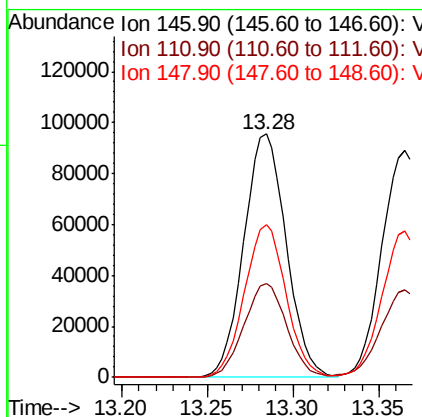
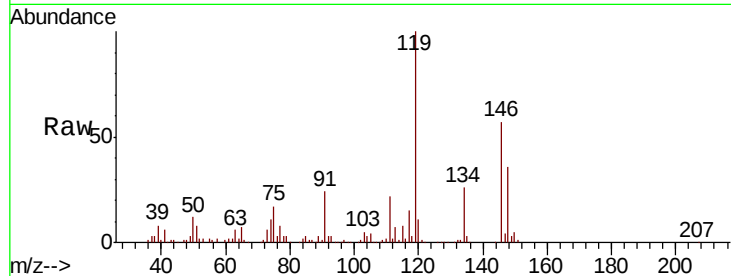




#87
 1,3-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

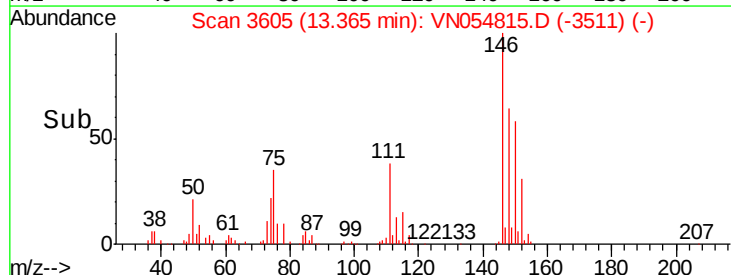
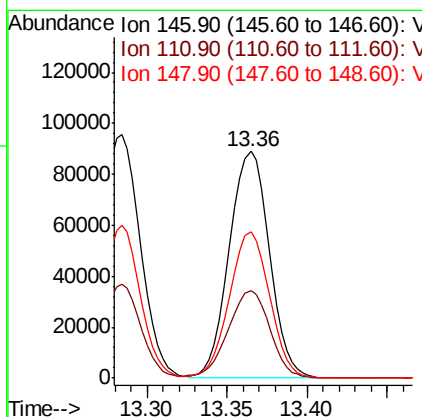
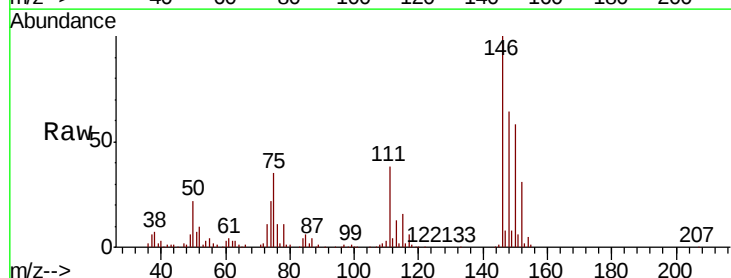
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

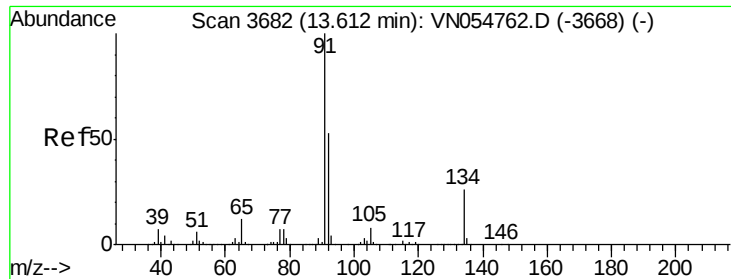
Tot Ion:146 Resp: 163616
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.3
 148 61.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.304 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion:146 Resp: 152635
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.1 54.1
 148 64.5 32.0 96.0

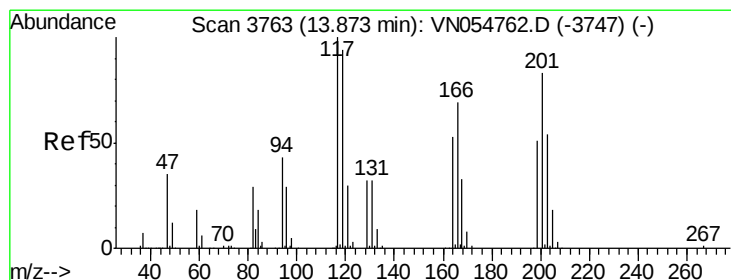
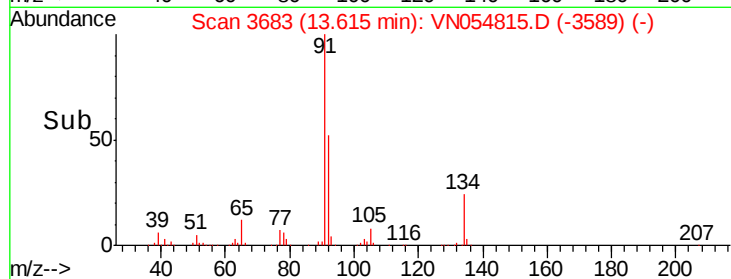
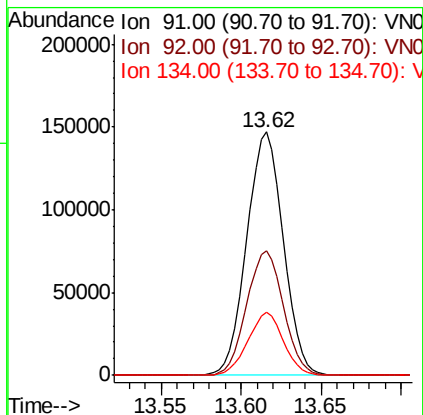
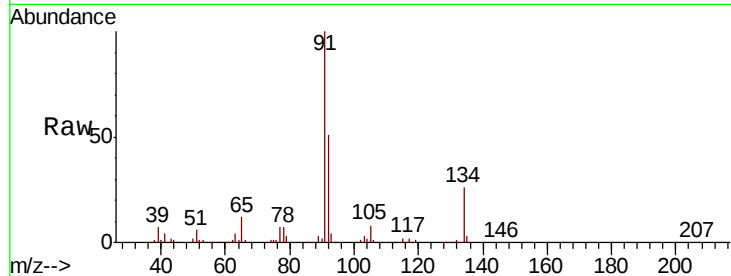




#89
n-Butylbenzene
Concen: 17.938 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

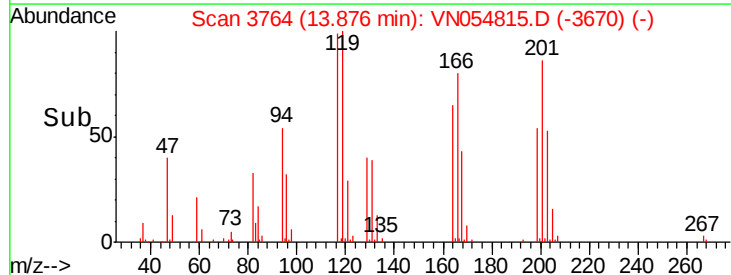
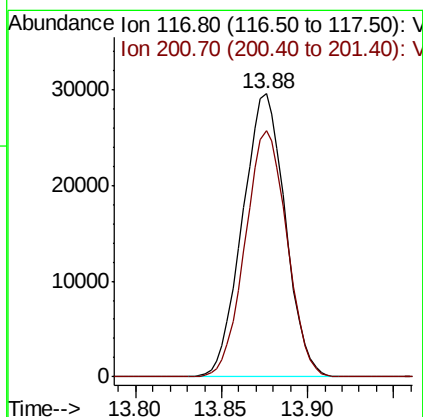
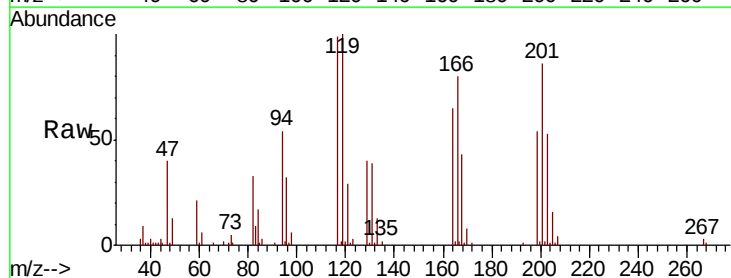
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

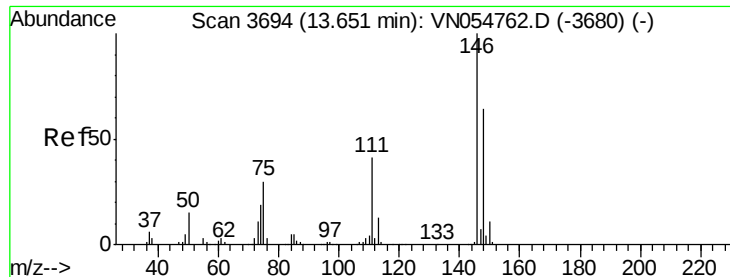
Tot Ion: 91 Resp: 229556
Ion Ratio Lower Upper
91 100
92 51.3 26.2 78.6
134 25.1 14.3 42.9



#90
Hexachloroethane
Concen: 19.153 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 117 Resp: 51005
Ion Ratio Lower Upper
117 100
201 84.7 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.231 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

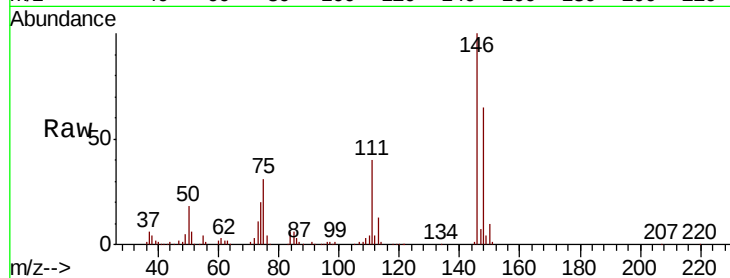
Tot Ion:146 Resp: 164600

Ion Ratio Lower Upper

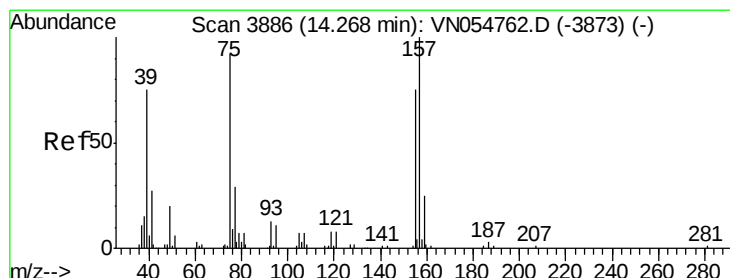
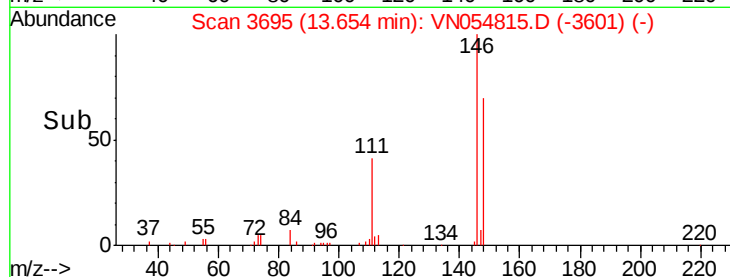
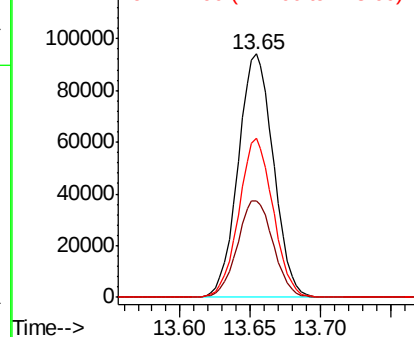
146 100

111 40.3 19.1 57.3

148 63.5 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: 26.189 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

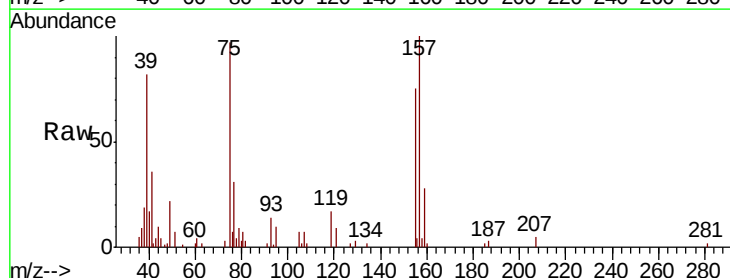
Tgt Ion: 75 Resp: 17862

Ion Ratio Lower Upper

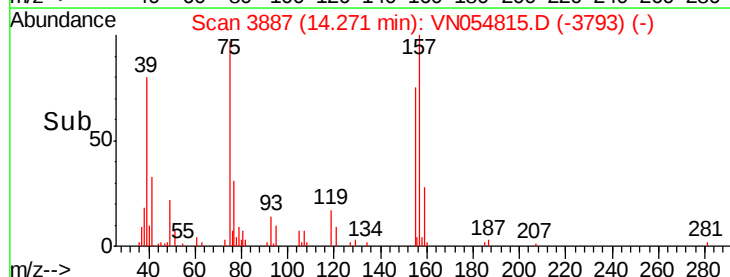
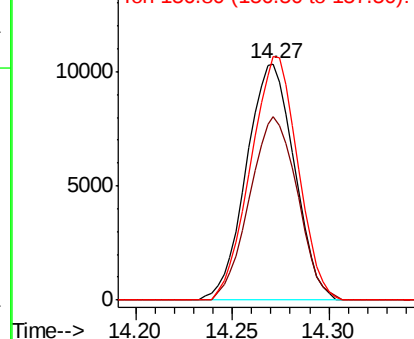
75 100

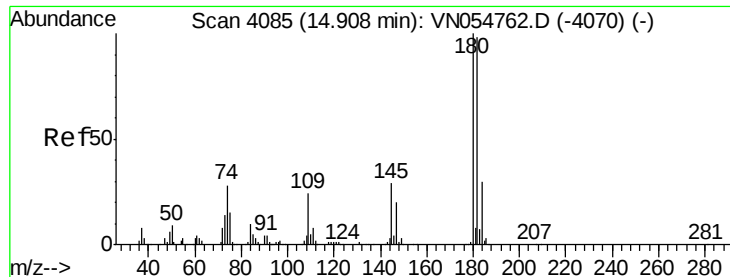
155 77.3 50.1 150.3

157 101.3 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: 17.372 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

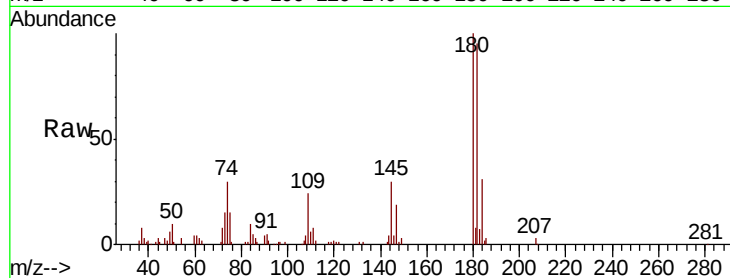
Tot Ion:180 Resp: 68140

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.2

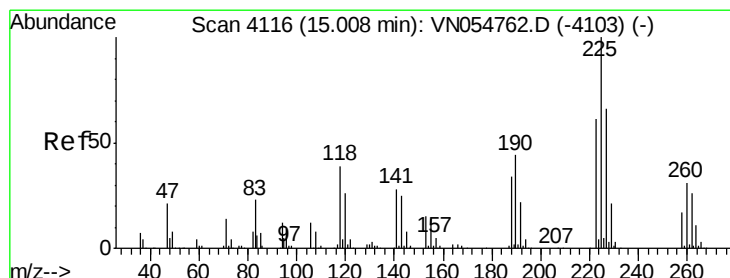
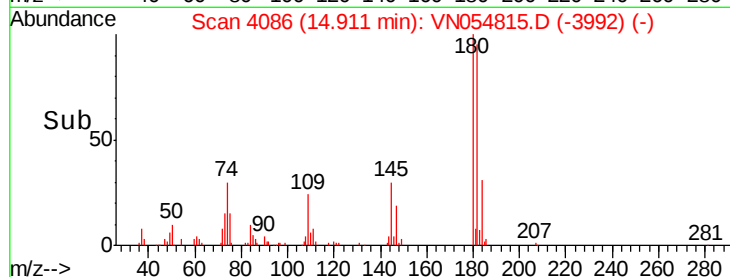
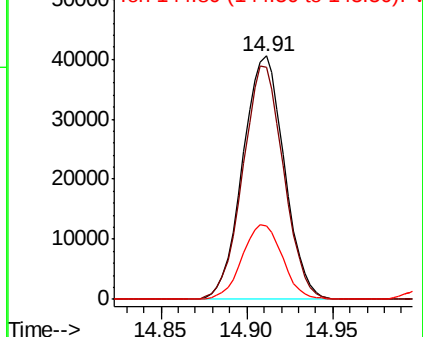
145 29.7 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.711 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

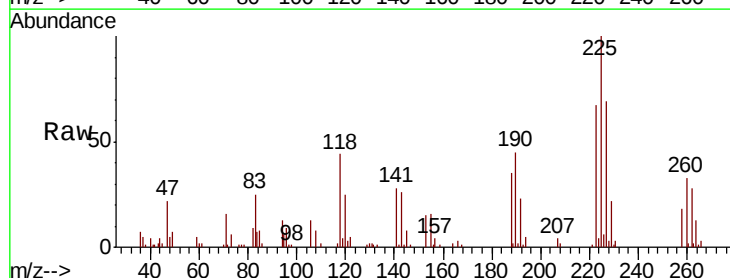
Tgt Ion:225 Resp: 44297

Ion Ratio Lower Upper

225 100

223 64.6 31.1 93.5

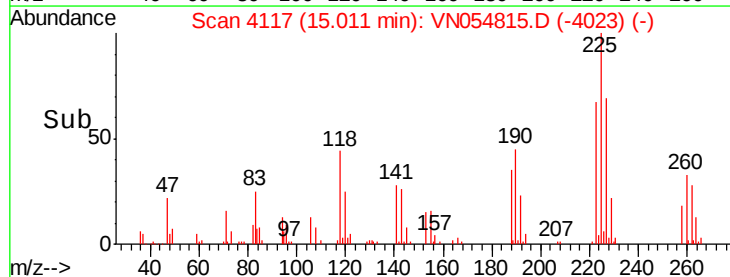
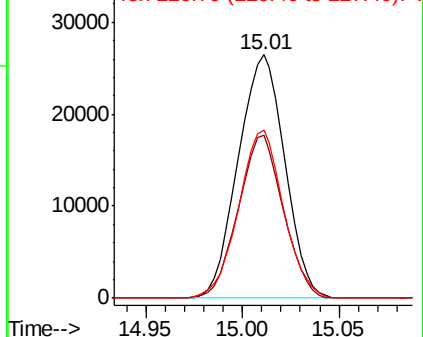
227 66.5 31.9 95.9

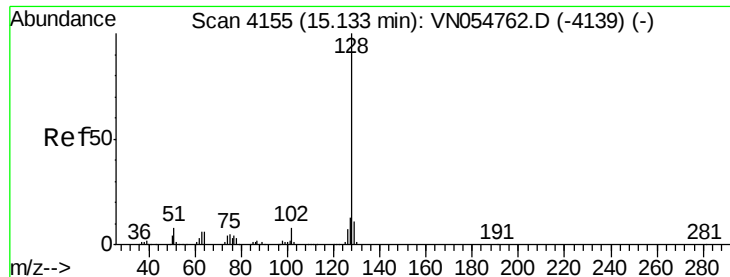


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

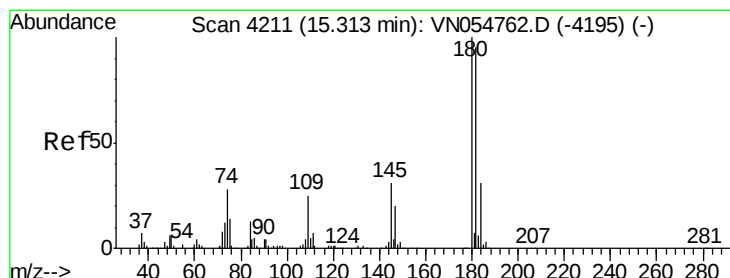
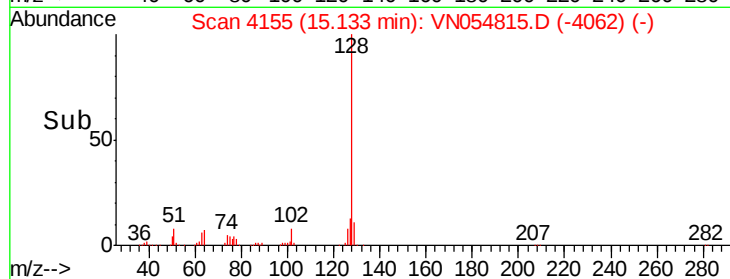
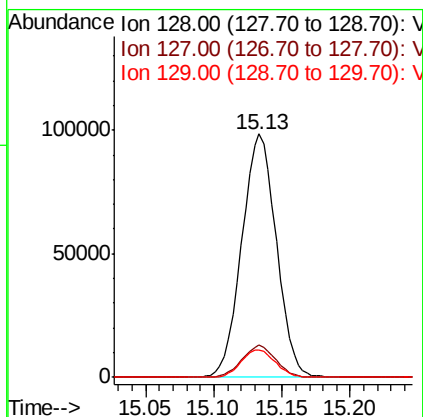
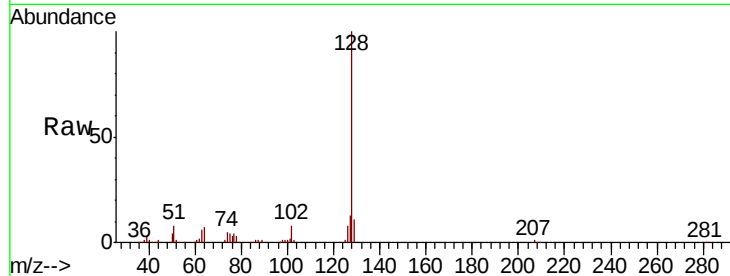




#95
Naphthalene
Concen: 19.692 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD01

Tot Ion:128 Resp: 173241
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.491 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:180 Resp: 73251
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.6
145 31.6 14.8 44.3

