

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054836.D
 Acq On : 31 Mar 2019 7:03
 Operator : JC/SP
 Sample : VN0330WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Quant Time: Apr 01 01:42:07 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	7.66	168	376245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235278	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	296628	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.59	113	227674	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.09	98	831757	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	265403	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	75398	19.812	ug/l	98
3) Chloromethane	2.06	50	109456	20.801	ug/l	99
4) Vinyl Chloride	2.19	62	101152	21.406	ug/l	100
5) Bromomethane	2.58	94	37439	13.469	ug/l	96
6) Chloroethane	2.71	64	60168	22.802	ug/l	97
7) Trichlorofluoromethane	3.02	101	129115	22.224	ug/l	100
8) Diethyl Ether	3.41	74	44605	23.844	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62155	20.323	ug/l	92
10) Methyl Iodide	3.94	142	48309	11.538	ug/l #	86
11) Tert butyl alcohol	4.83	59	38314	144.989	ug/l	98
12) 1,1-Dichloroethene	3.73	96	67891	22.955	ug/l #	75
13) Acrolein	3.61	56	30330	128.387	ug/l	94
14) Allyl chloride	4.32	41	149324	20.498	ug/l #	91
15) Acrylonitrile	5.00	53	187715	127.801	ug/l	99
16) Acetone	3.82	43	138398	114.429	ug/l #	83
17) Carbon Disulfide	4.04	76	191535	19.967	ug/l	97
18) Methyl Acetate	4.33	43	87796	27.455	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	253905	24.543	ug/l	96
20) Methylene Chloride	4.54	84	97146	22.771	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87129	22.429	ug/l	89
22) Diisopropyl ether	5.96	45	339201	23.543	ug/l #	94
23) Vinyl Acetate	5.90	43	1213684	121.047	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	181324	23.592	ug/l	99
25) 2-Butanone	6.85	43	230829	129.112	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	55405	10.285	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101641	23.161	ug/l	93
28) Bromochloromethane	7.20	49	92046	23.950	ug/l #	71
29) Tetrahydrofuran	7.23	42	163157	131.395	ug/l #	84
30) Chloroform	7.37	83	174096	23.755	ug/l	96
31) Cyclohexane	7.65	56	161726	21.937	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	139854	23.027	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126533	19.854	ug/l	95
37) Ethyl Acetate	6.94	43	109355	23.399	ug/l #	94
38) Carbon Tetrachloride	7.78	117	118561	19.153	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

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Quant Time: Apr 01 01:42:07 2019
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 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)
39) Methylcyclohexane	9.08	83	120483	17.196	ug/l #	88
40) Benzene	8.04	78	386993	21.221	ug/l	98
41) Methacrylonitrile	7.18	41	58515	22.288	ug/l	91
42) 1,2-Dichloroethane	8.13	62	141583	21.744	ug/l	97
43) Isopropyl Acetate	8.17	43	176117	23.192	ug/l #	93
44) Trichloroethene	8.84	130	97429	20.581	ug/l	86
45) 1,2-Dichloropropane	9.12	63	108125	20.794	ug/l	97
46) Dibromomethane	9.21	93	63610	21.746	ug/l	87
47) Bromodichloromethane	9.40	83	129236	21.259	ug/l	94
48) Methyl methacrylate	9.20	41	89225	21.675	ug/l #	87
49) 1,4-Dioxane	9.21	88	21020	514.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	508379	119.072	ug/l	93
52) Toluene	10.16	92	224917	20.727	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103787	18.149	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	129143	18.905	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	87900	21.785	ug/l	96
56) Ethyl methacrylate	10.43	69	117345	22.170	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	152860	22.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219003	102.431	ug/l #	88
59) 2-Hexanone	10.75	43	316507	115.803	ug/l	91
60) Dibromochloromethane	10.90	129	87671	21.450	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81350	21.097	ug/l	97
64) Tetrachloroethene	10.63	164	94702	21.217	ug/l	97
65) Chlorobenzene	11.43	112	234083	20.555	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	89077	20.897	ug/l	98
67) Ethyl Benzene	11.51	91	417566	20.319	ug/l	97
68) m/p-Xylenes	11.62	106	302460	39.771	ug/l	92
69) o-Xylene	11.95	106	148884	19.964	ug/l	93
70) Styrene	11.96	104	247628	20.768	ug/l	97
71) Bromoform	12.13	173	52055	20.845	ug/l #	98
73) Isopropylbenzene	12.25	105	396960	20.642	ug/l	98
74) N-amyl acetate	12.07	43	134949	22.525	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	107670	24.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120507	29.483	ug/l #	100
77) Bromobenzene	12.53	156	96184	20.724	ug/l	83
78) n-propylbenzene	12.59	91	422455	19.987	ug/l	96
79) 2-Chlorotoluene	12.67	91	267770	20.477	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	319471	20.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17326	16.488	ug/l #	79
82) 4-Chlorotoluene	12.77	91	256345	20.183	ug/l	95
83) tert-Butylbenzene	12.99	119	273213	21.142	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	312530	20.790	ug/l	96
85) sec-Butylbenzene	13.17	105	343270	20.026	ug/l	96
86) p-Isopropyltoluene	13.29	119	287890	19.042	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156709	20.167	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	148674	19.508	ug/l	98
89) n-Butylbenzene	13.62	91	211035	17.109	ug/l	97
90) Hexachloroethane	13.87	117	49140	19.144	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	159586	20.349	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15416	23.449	ug/l	82

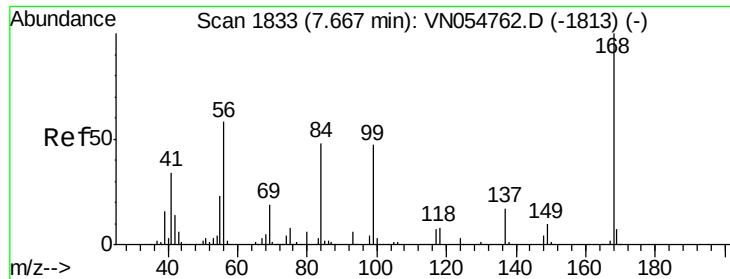
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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65174	17.238	ug/l	97
94) Hexachlorobutadiene	15.01	225	41624	17.210	ug/l	98
95) Naphthalene	15.13	128	159629	18.825	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	69752	18.268	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

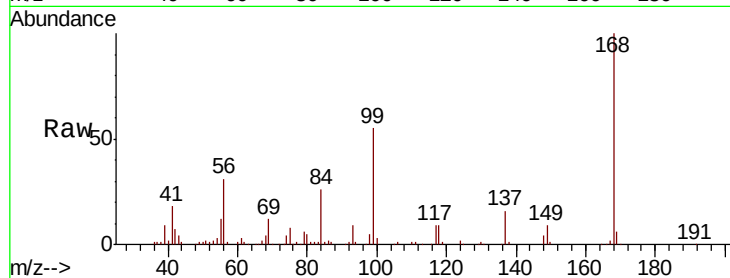
VN0330WBSD02

Tot Ion:168 Resp: 376245

Ion Ratio Lower Upper

168 100

99 53.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

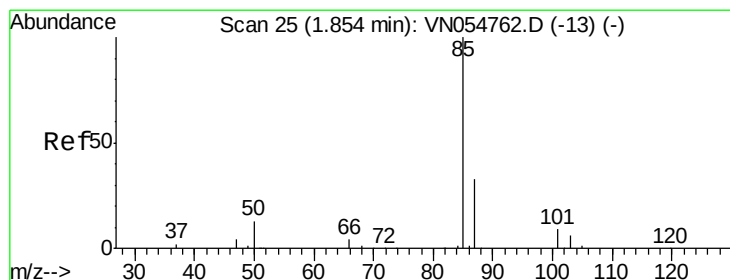
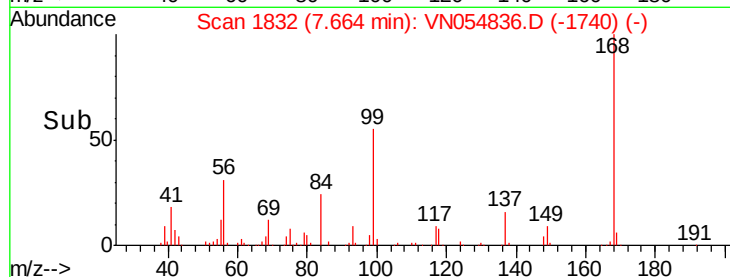
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.812 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054836.D

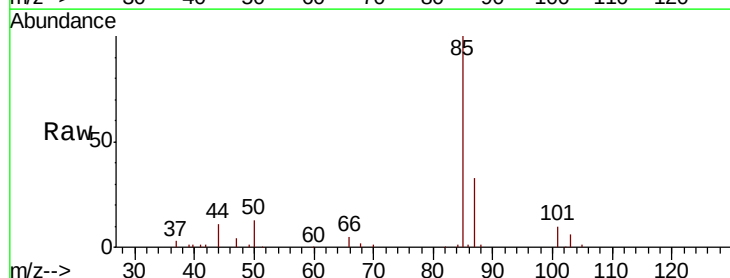
Acq: 31 Mar 2019 7:03

Tgt Ion: 85 Resp: 75398

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

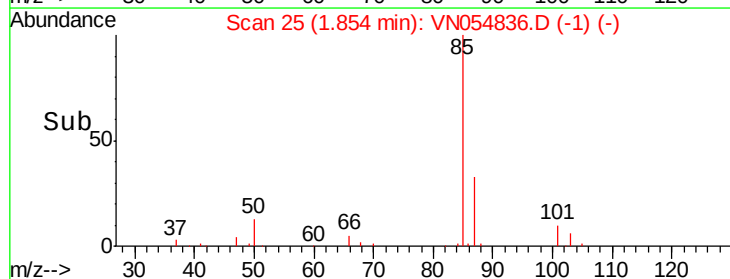
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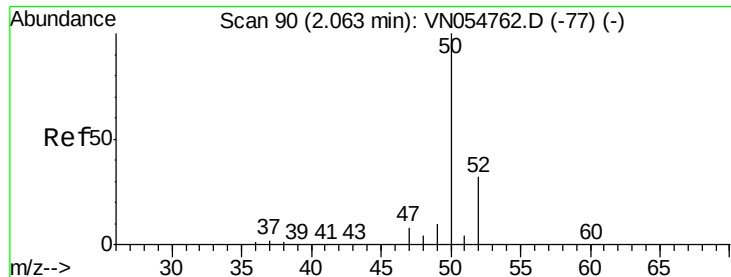
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.801 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

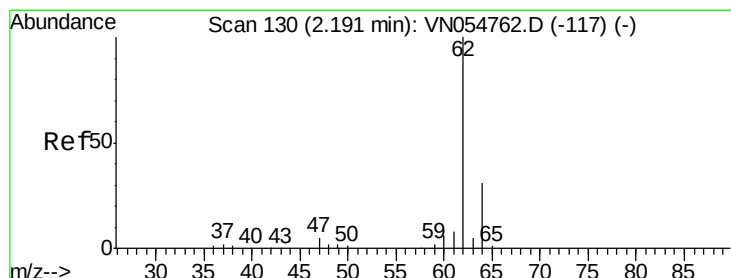
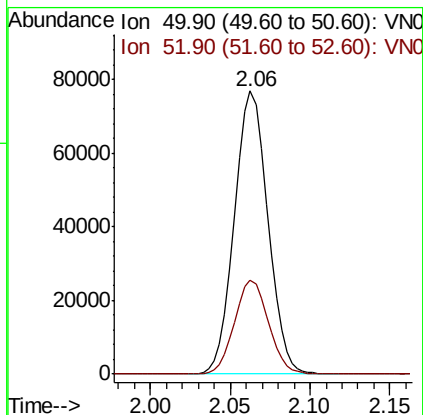
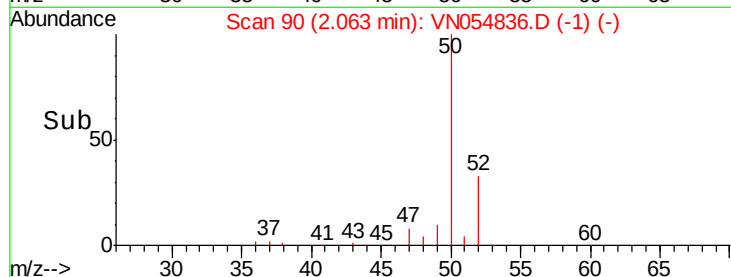
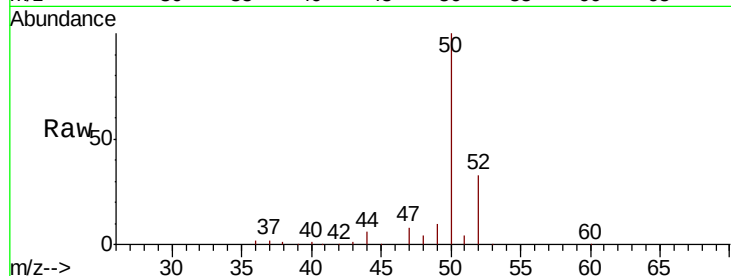
VN0330WBSD02

Tot Ion: 50 Resp: 109456

Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



#4

Vinyl Chloride

Concen: 21.406 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054836.D

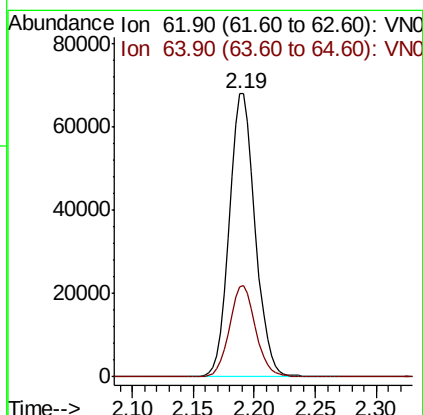
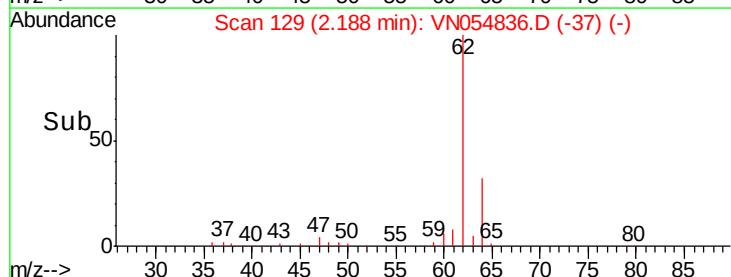
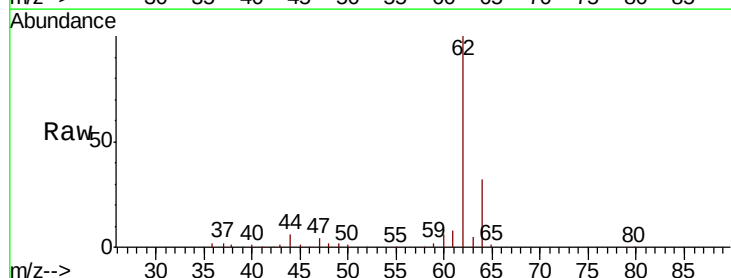
Acq: 31 Mar 2019 7:03

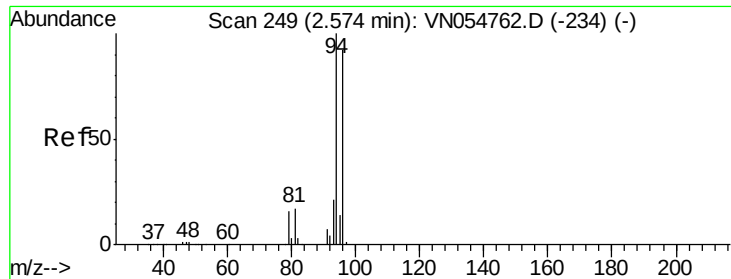
Tgt Ion: 62 Resp: 101152

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 13.469 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

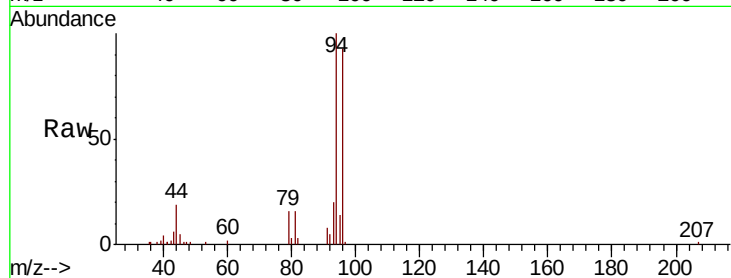
VN0330WBSD02

Tot Ion: 94 Resp: 37439

Ion Ratio Lower Upper

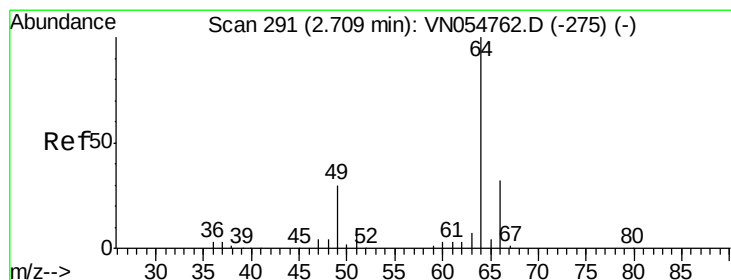
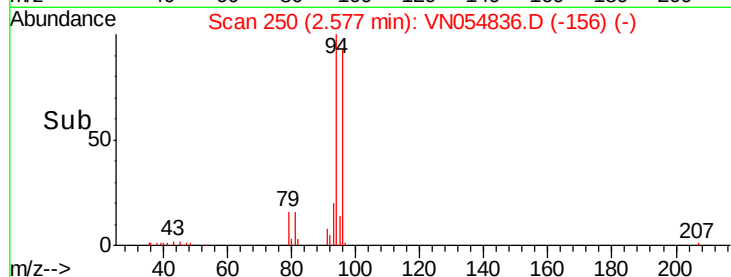
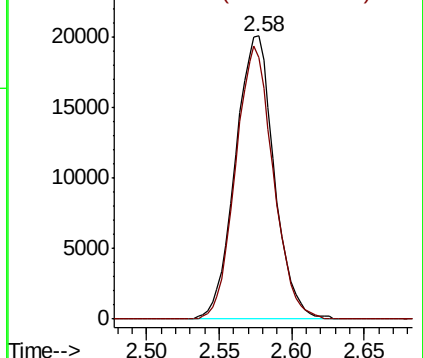
94 100

96 92.6 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: 22.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054836.D

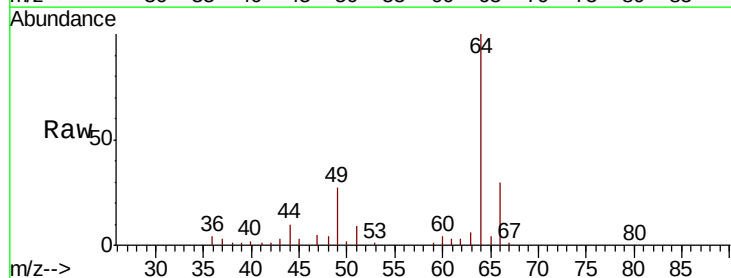
Acq: 31 Mar 2019 7:03

Tgt Ion: 64 Resp: 60168

Ion Ratio Lower Upper

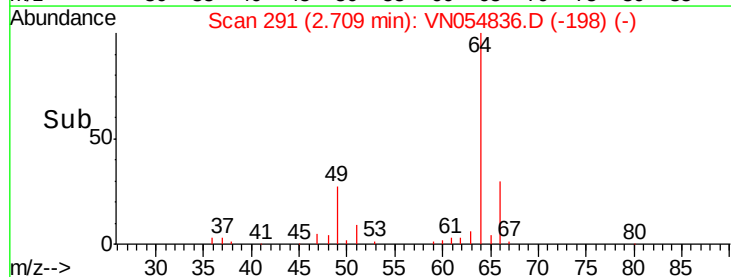
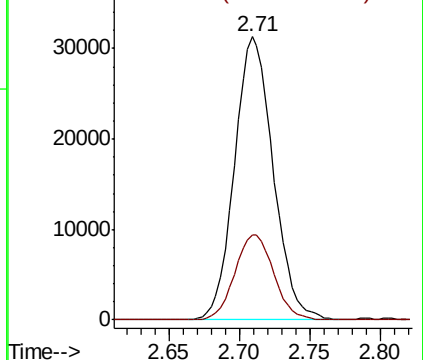
64 100

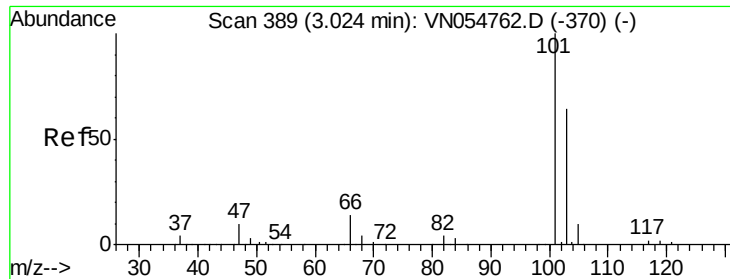
66 30.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



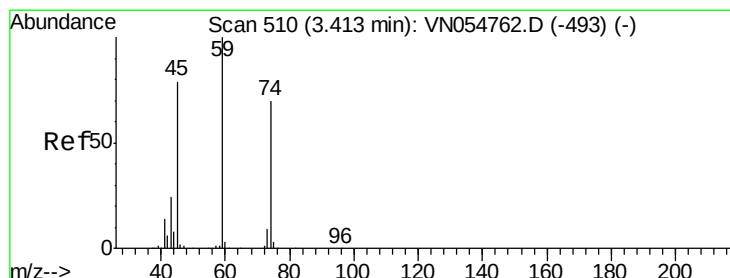
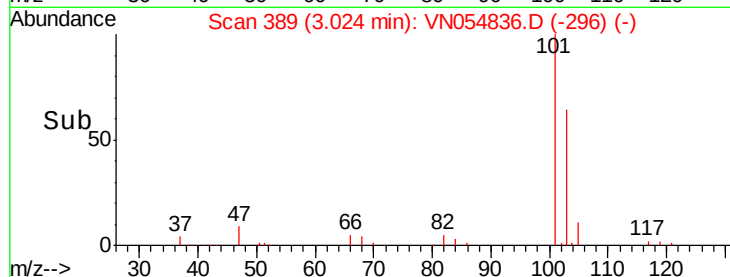
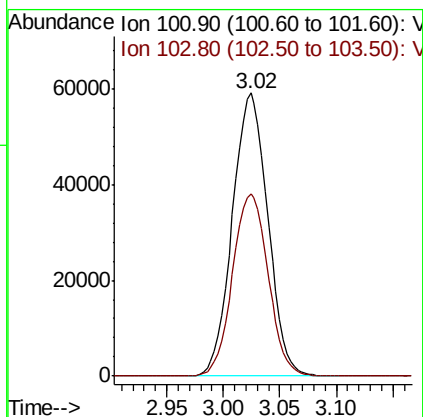
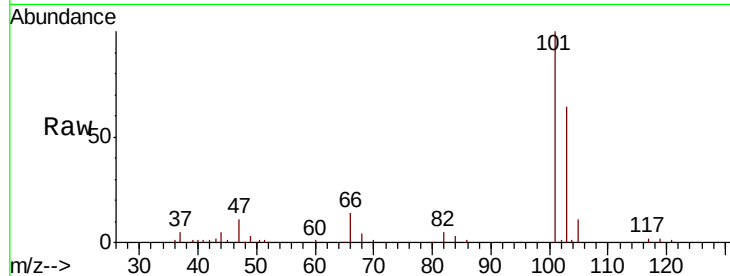


#7

Trichlorofluoromethane
 Concen: 22.224 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

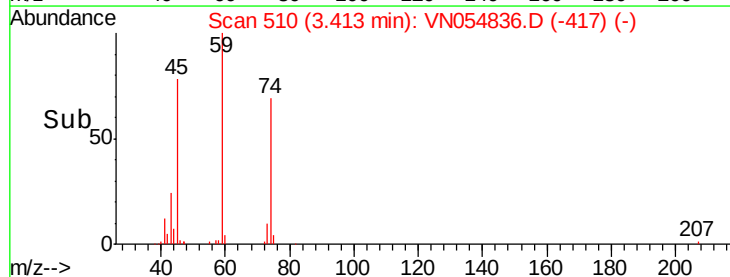
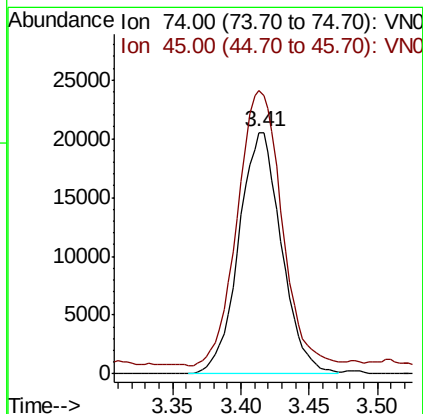
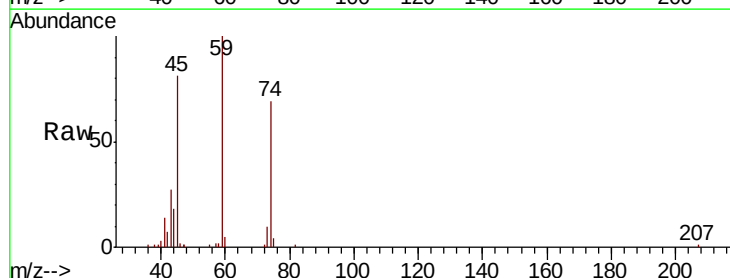
Tot Ion:101 Resp: 129115
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

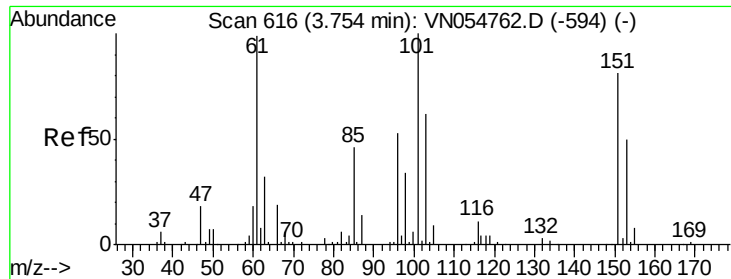


#8

Diethyl Ether
 Concen: 23.844 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 74 Resp: 44605
 Ion Ratio Lower Upper
 74 100
 45 118.3 43.1 129.4

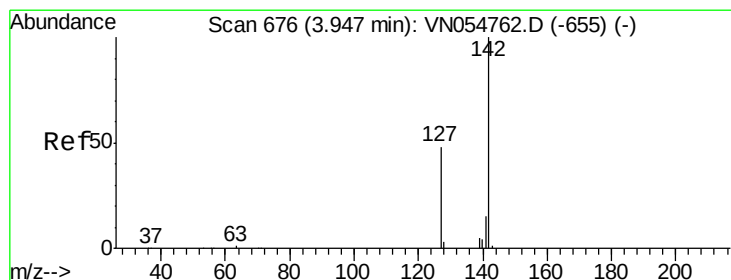
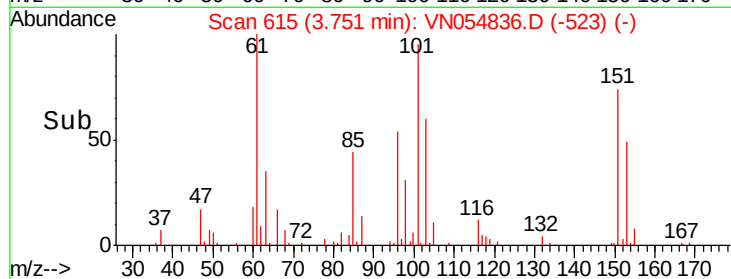
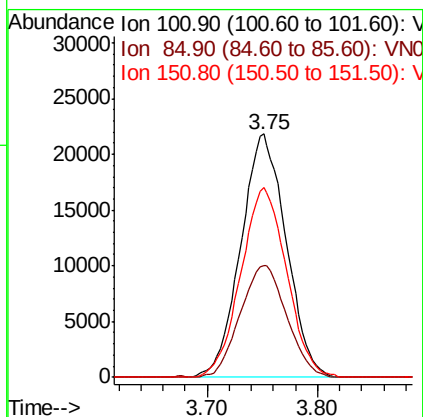
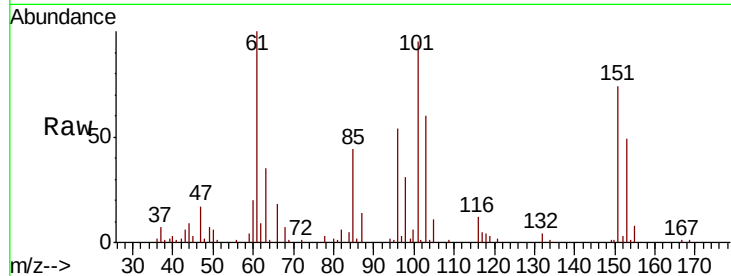




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.323 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

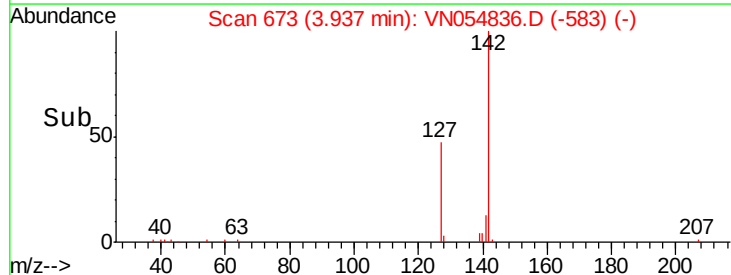
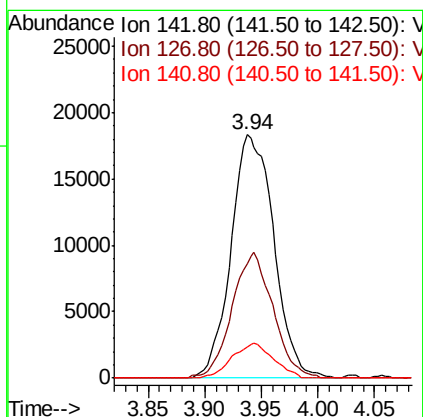
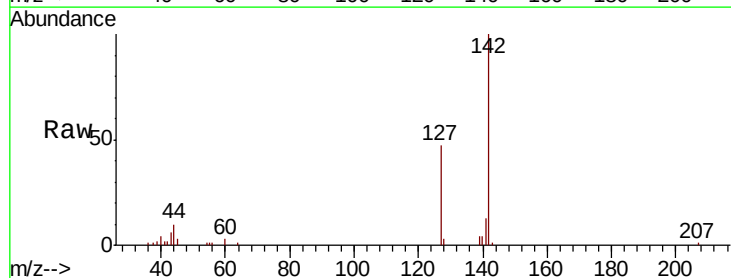
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

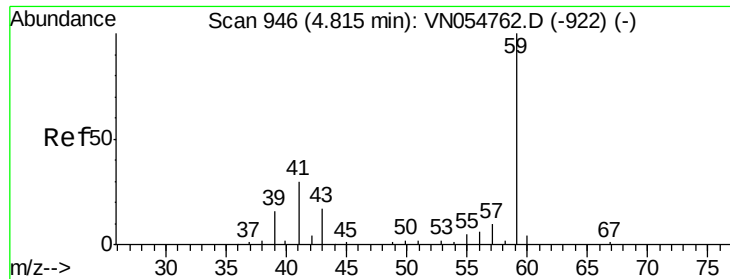
Tot Ion:101 Resp: 62155
 Ion Ratio Lower Upper
 101 100
 85 47.1 32.4 48.6
 151 78.7 68.2 102.2



#10
 Methyl Iodide
 Concen: 11.538 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion:142 Resp: 48309
 Ion Ratio Lower Upper
 142 100
 127 49.2 30.3 45.5#
 141 13.9 11.2 16.8



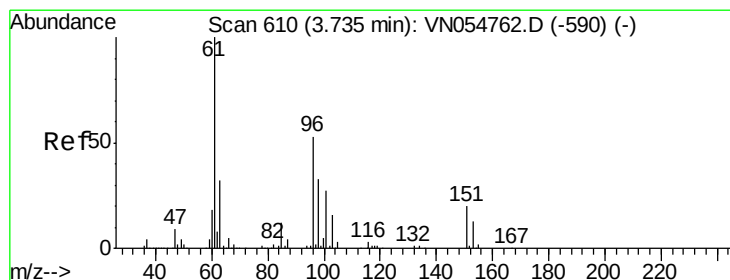
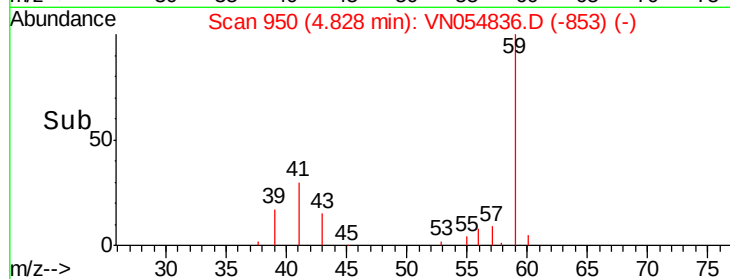
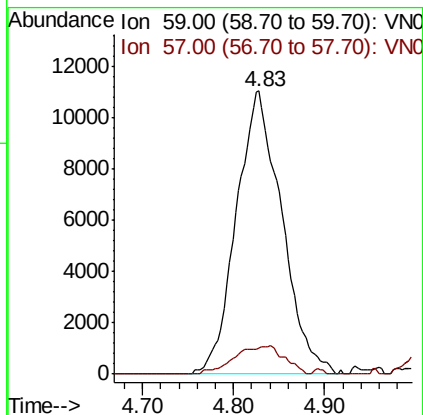
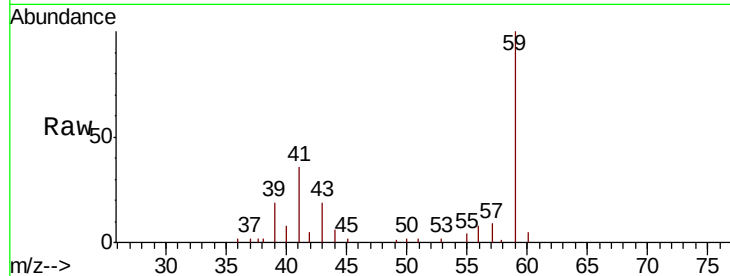


#11

Tert butyl alcohol
 Concen: 144.989 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

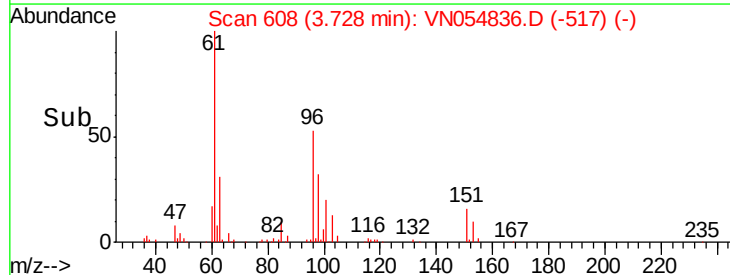
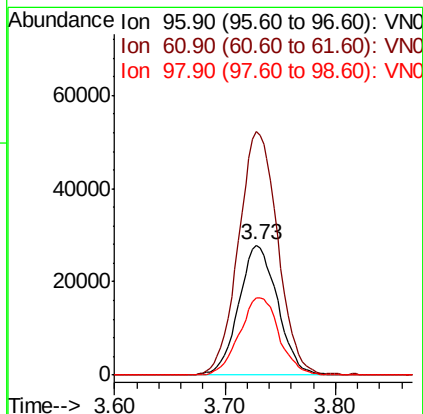
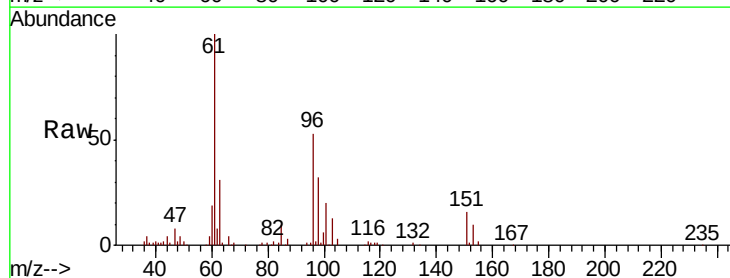
Tot Ion: 59 Resp: 38314
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

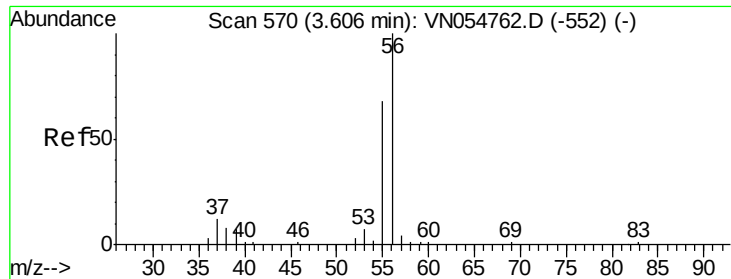


#12

1,1-Dichloroethene
 Concen: 22.955 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 96 Resp: 67891
 Ion Ratio Lower Upper
 96 100
 61 187.3 116.5 174.7#
 98 59.3 51.0 76.4





#13

Acrolein

Concen: 128.387 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

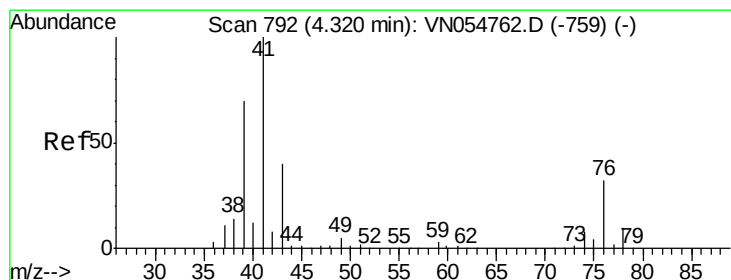
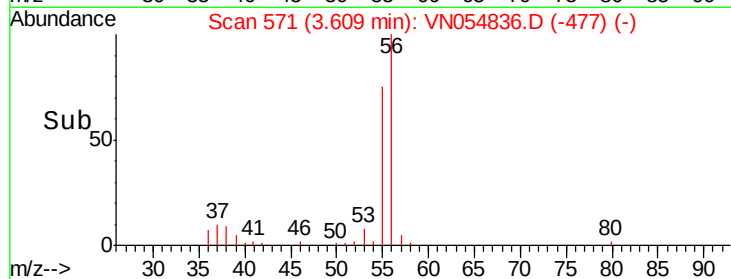
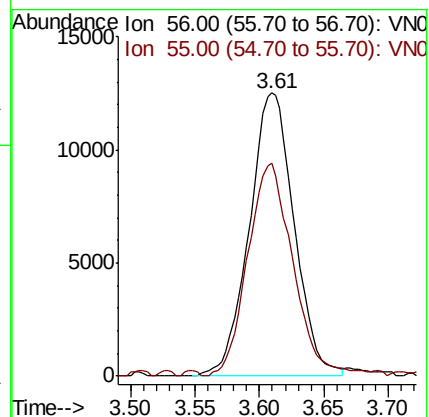
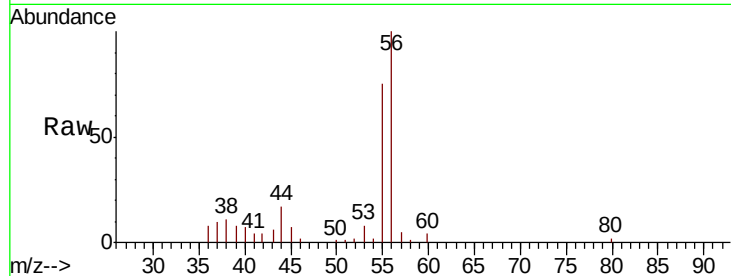
VN0330WBSD02

Tot Ion: 56 Resp: 30330

Ion Ratio Lower Upper

56 100

55 76.0 56.7 85.1



#14

Allyl chloride

Concen: 20.498 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

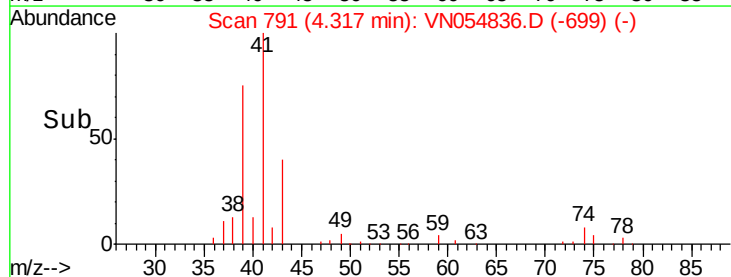
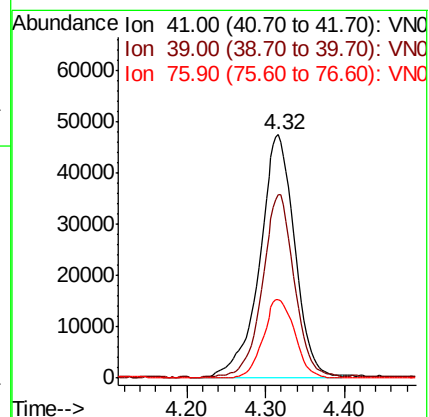
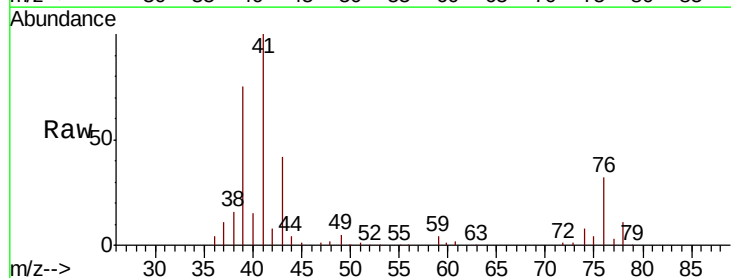
Tgt Ion: 41 Resp: 149324

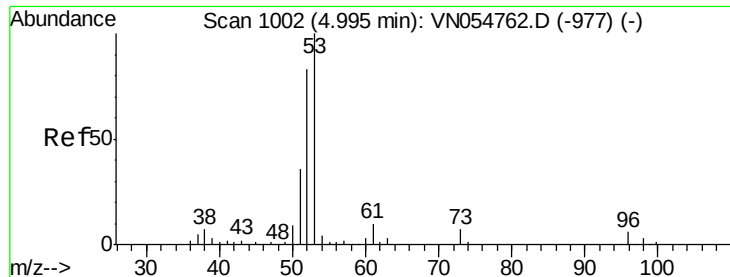
Ion Ratio Lower Upper

41 100

39 69.4 58.2 87.4

76 29.0 31.7 47.5#





#15

Acrylonitrile

Concen: 127.801 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

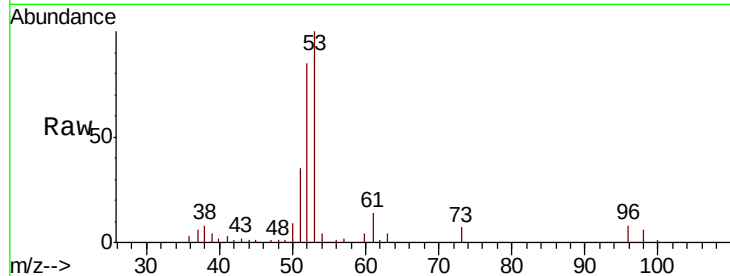
Tot Ion: 53 Resp: 187715

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

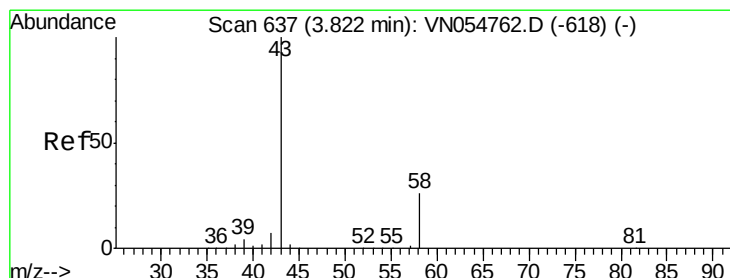
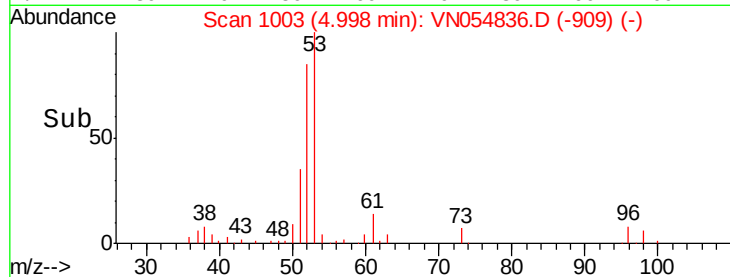
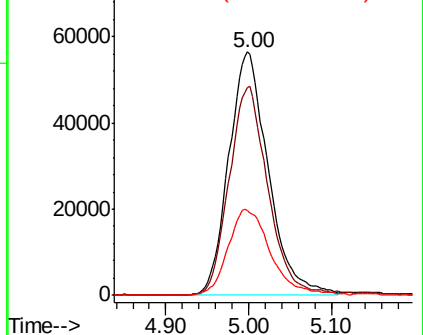
51 38.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 114.429 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054836.D

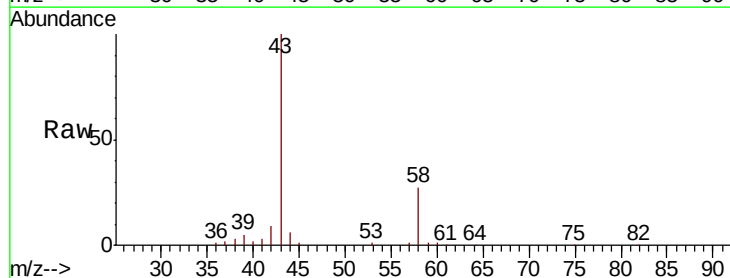
Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 138398

Ion Ratio Lower Upper

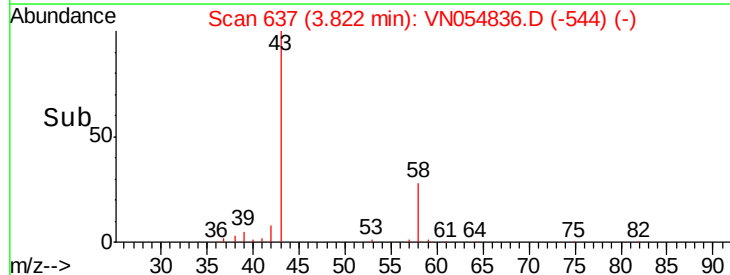
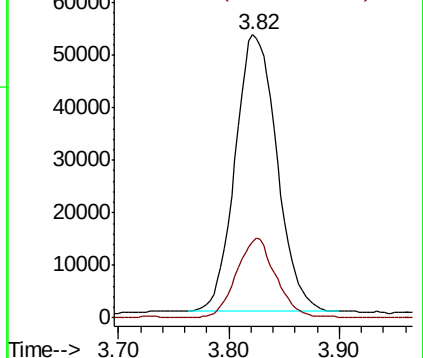
43 100

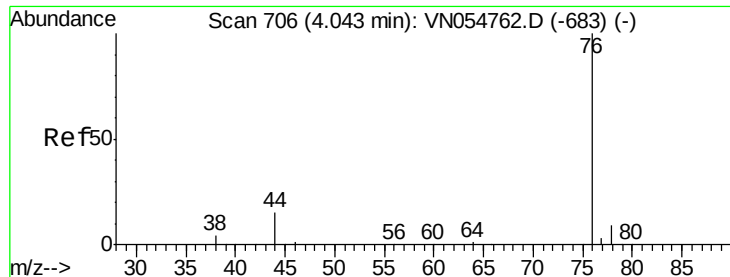
58 27.3 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.967 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

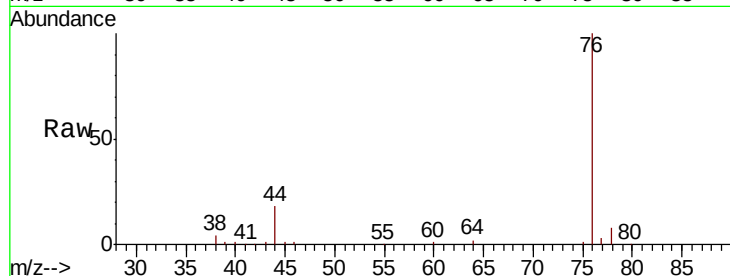
VN0330WBSD02

Tot Ion: 76 Resp: 191535

Ion Ratio Lower Upper

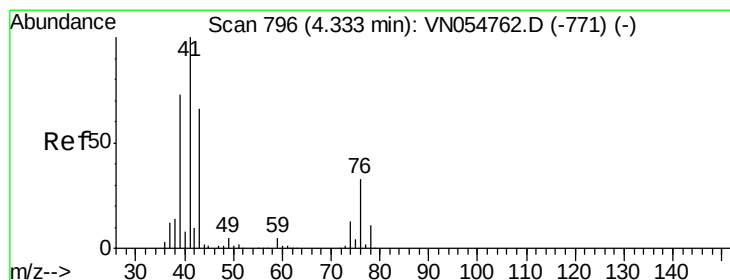
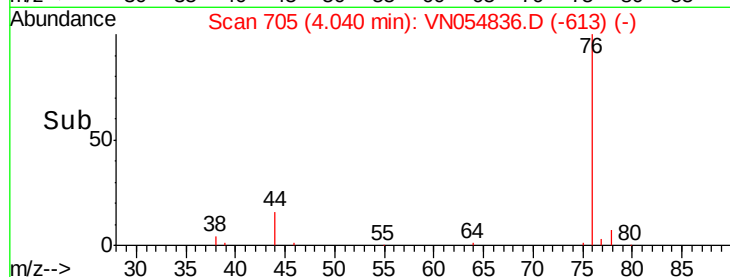
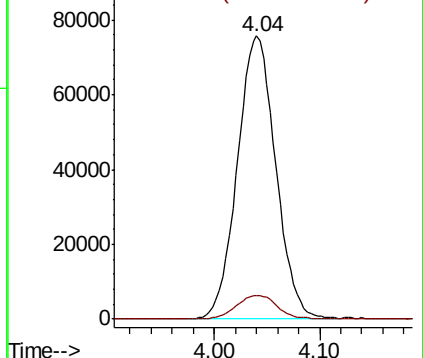
76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 27.455 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054836.D

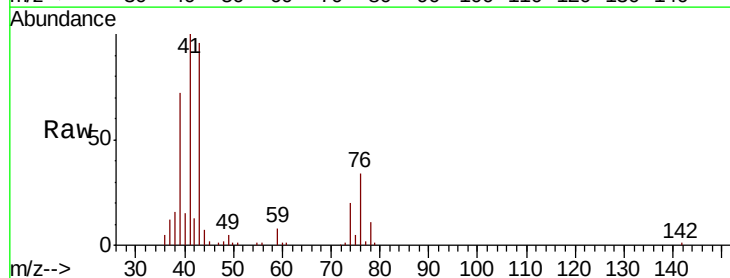
Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 87796

Ion Ratio Lower Upper

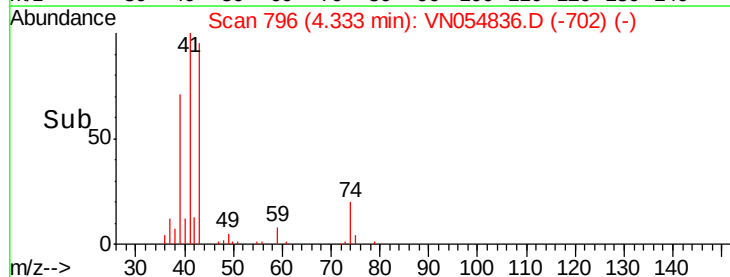
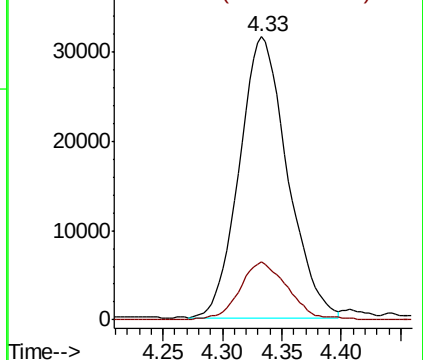
43 100

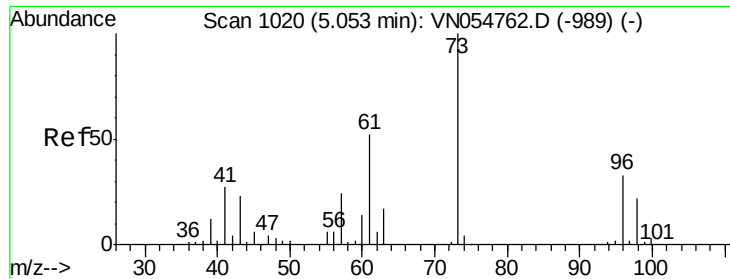
74 20.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

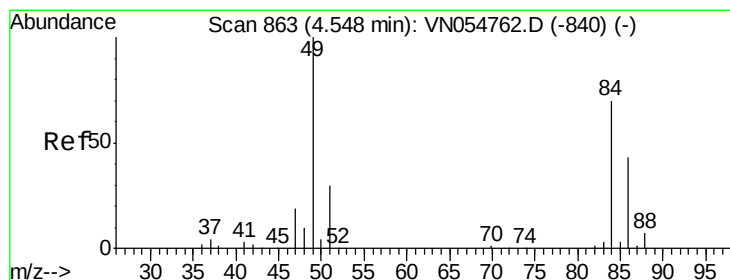
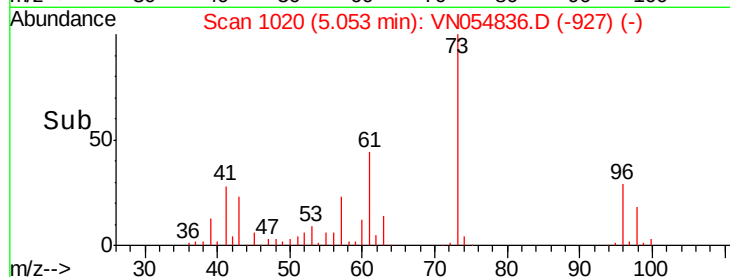
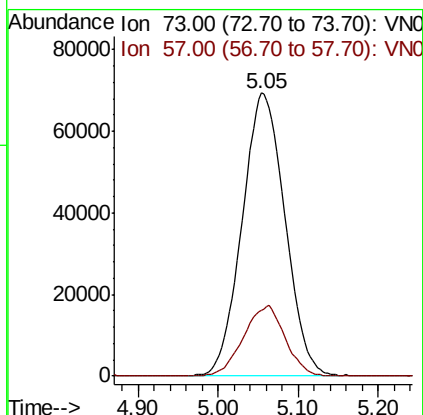
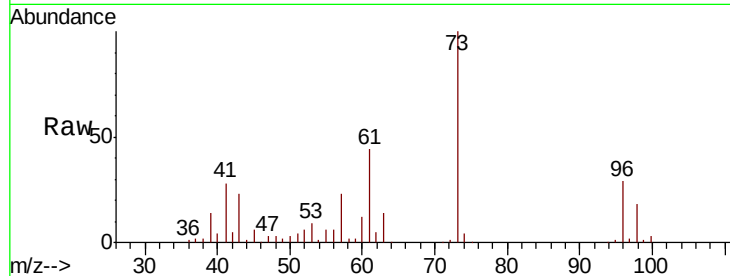




#19
Methvl tert-butyl Ether
Concen: 24.543 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

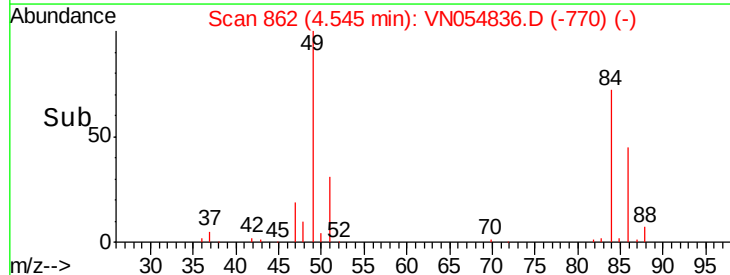
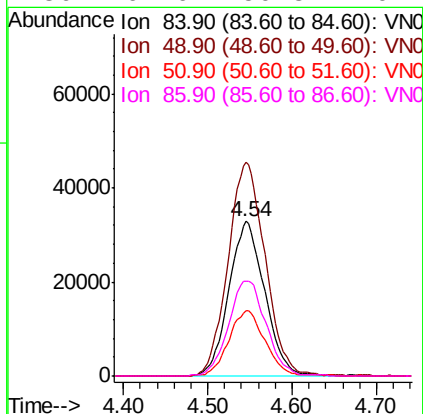
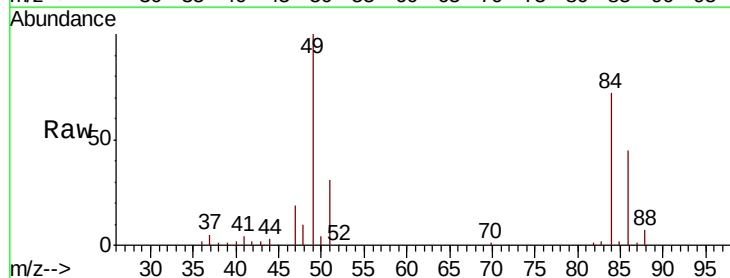
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

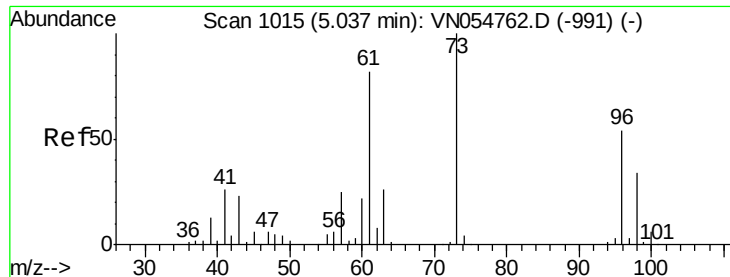
Tot Ion: 73 Resp: 253905
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2



#20
Methylene Chloride
Concen: 22.771 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 84 Resp: 97146
Ion Ratio Lower Upper
84 100
49 138.2 89.7 134.5#
51 42.5 28.2 42.4#
86 61.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.429 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleID :

VN0330WBSD02

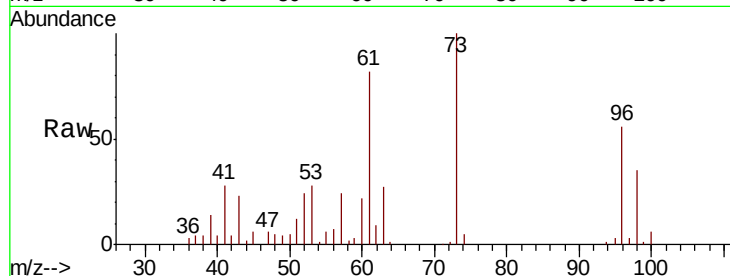
Tot Ion: 96 Resp: 87129

Ion Ratio Lower Upper

96 100

61 146.5 102.8 154.2

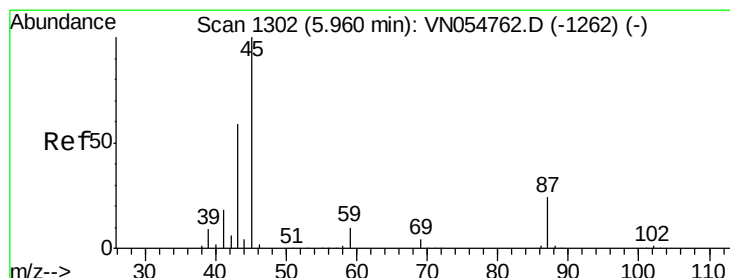
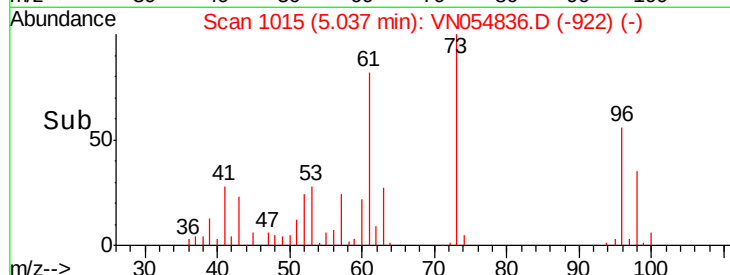
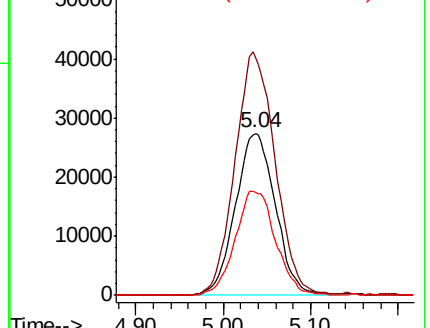
98 63.3 50.0 75.0



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: 23.543 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion: 45 Resp: 339201

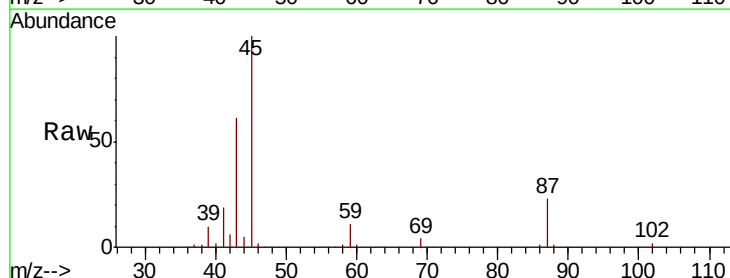
Ion Ratio Lower Upper

45 100

43 58.6 48.2 72.2

87 23.0 24.9 37.3#

59 10.4 9.5 14.3

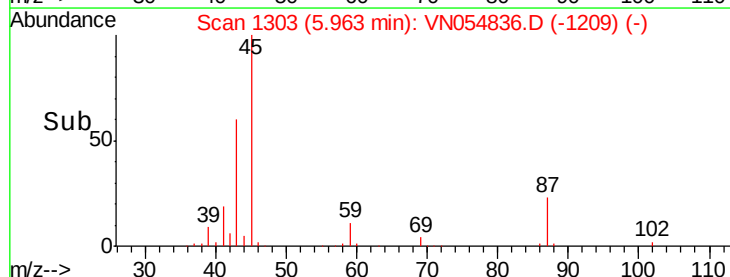
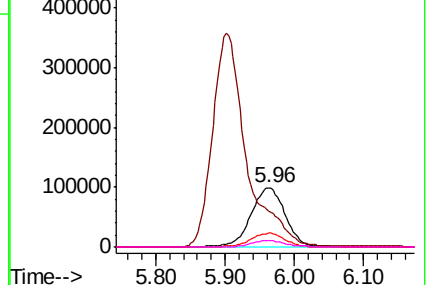


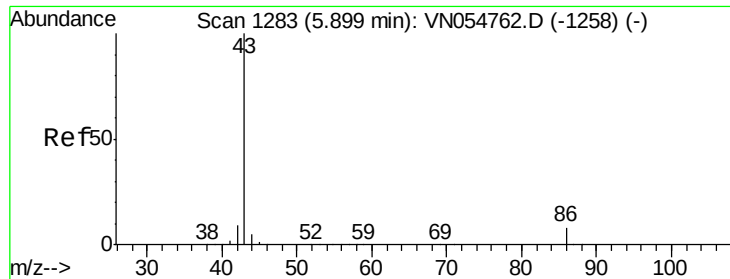
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 121.047 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

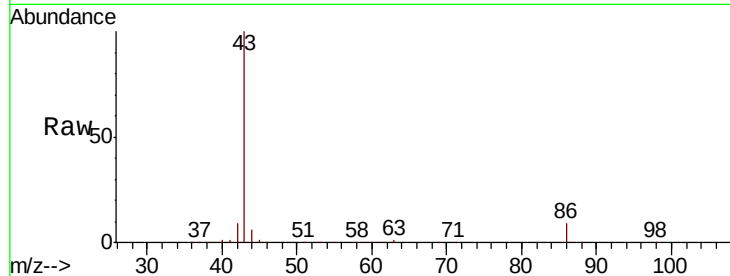
VN0330WBSD02

Tot Ion: 43 Resp: 1213684

Ion Ratio Lower Upper

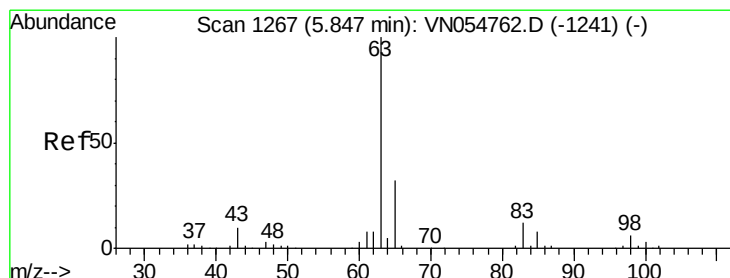
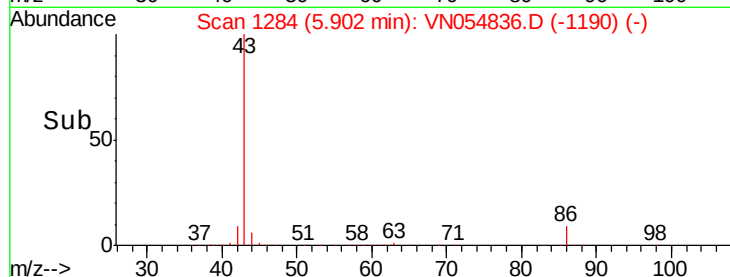
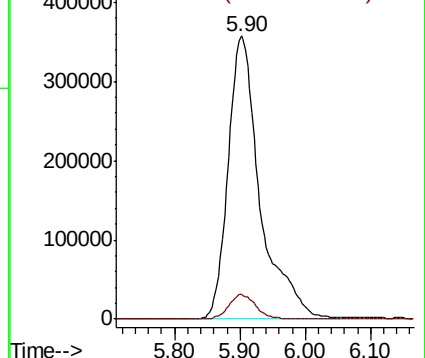
43 100

86 8.7 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: 23.592 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

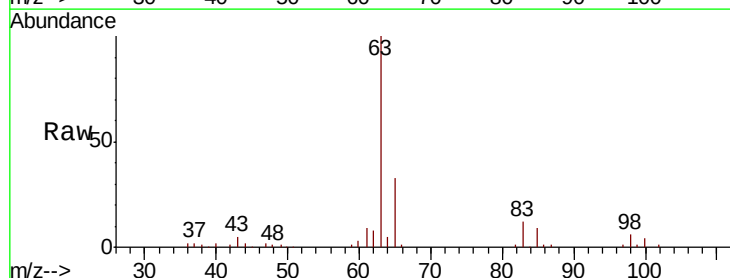
Tgt Ion: 63 Resp: 181324

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

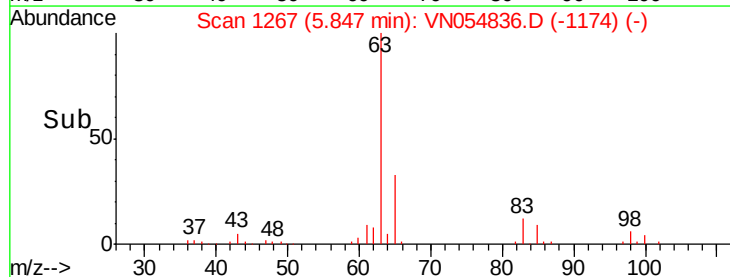
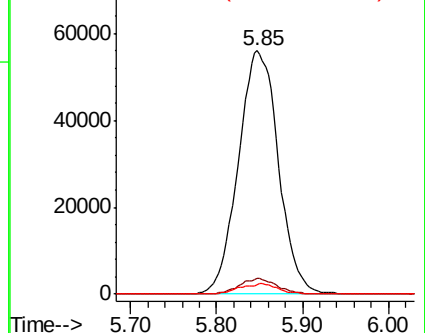
100 4.0 2.0 6.0

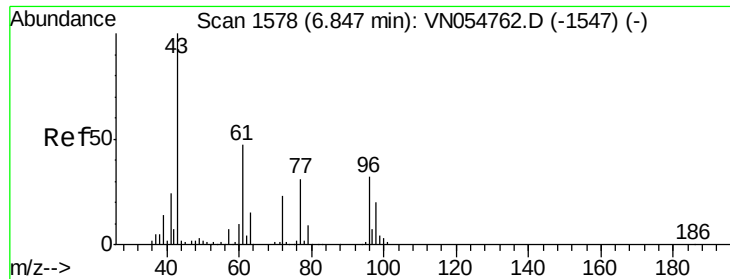


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 129.112 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

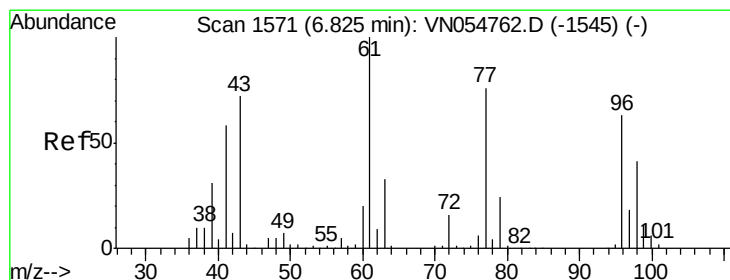
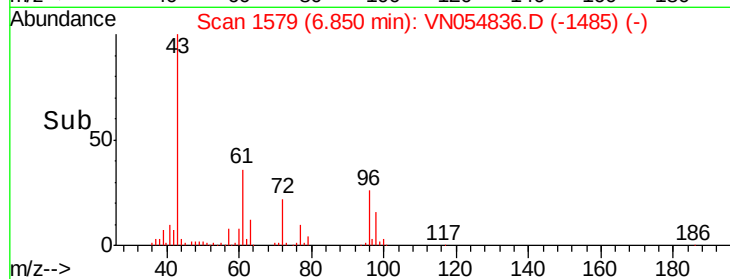
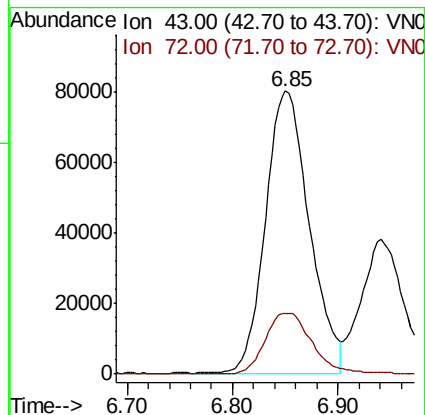
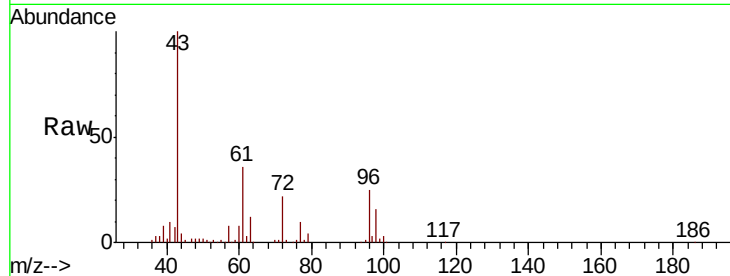
VN0330WBSD02

Tot Ion: 43 Resp: 230829

Ion Ratio Lower Upper

43 100

72 21.7 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 10.285 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054836.D

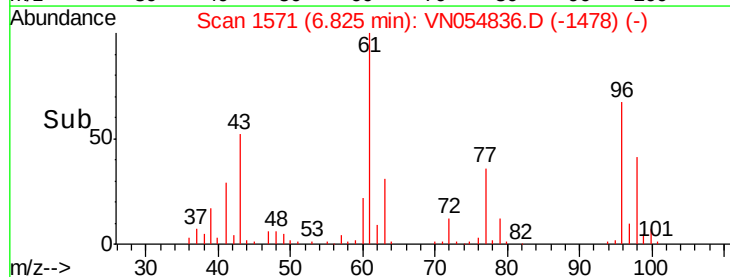
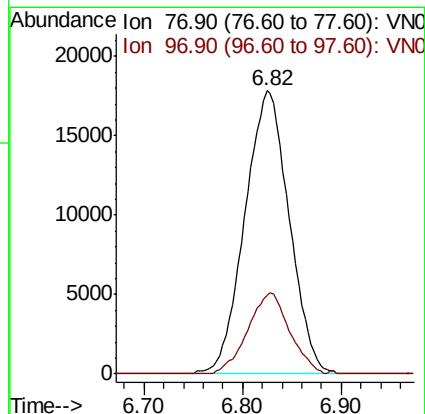
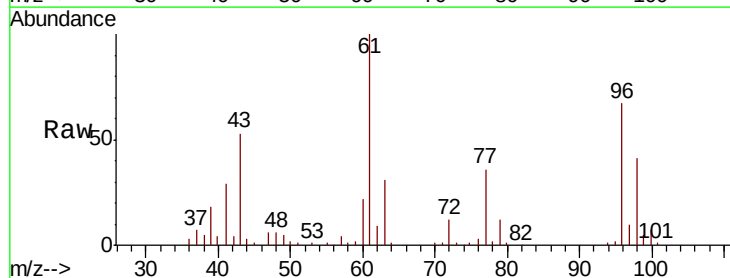
Acq: 31 Mar 2019 7:03

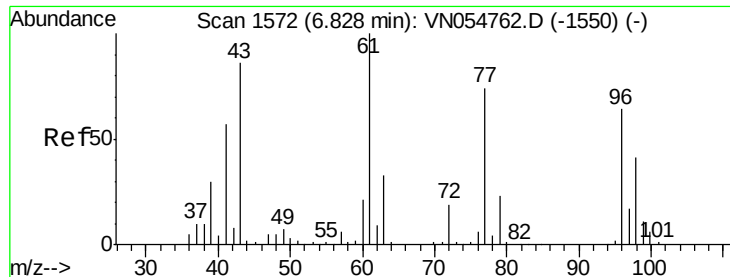
Tgt Ion: 77 Resp: 55405

Ion Ratio Lower Upper

77 100

97 27.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 23.161 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

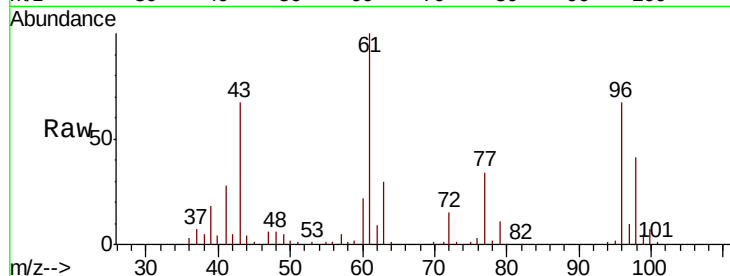
Tot Ion: 96 Resp: 101641

Ion Ratio Lower Upper

96 100

61 147.6 0.0 273.0

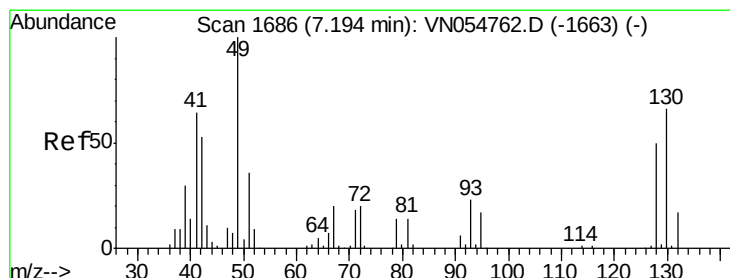
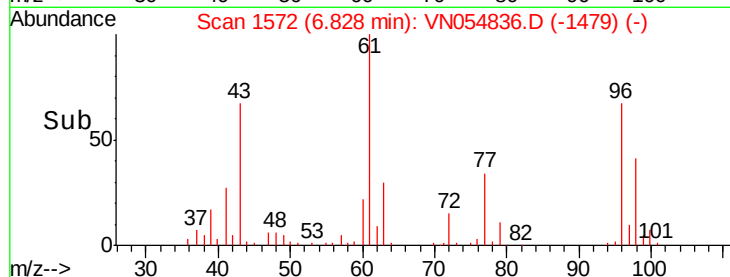
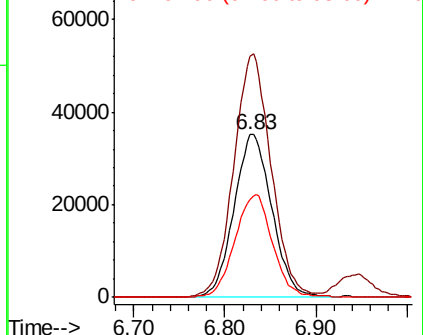
98 62.5 0.0 130.6



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: 23.950 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

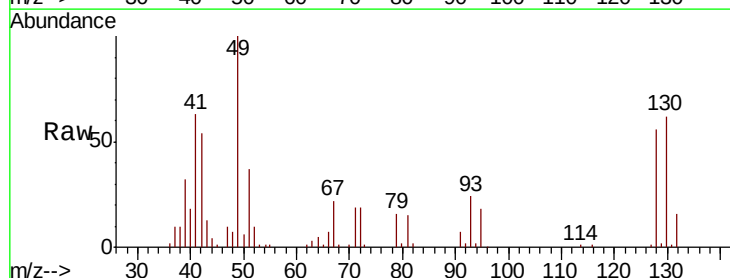
Tgt Ion: 49 Resp: 92046

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

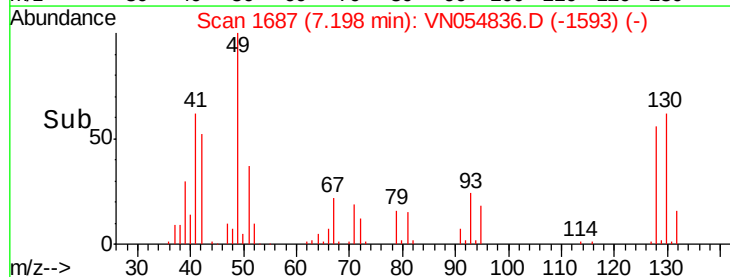
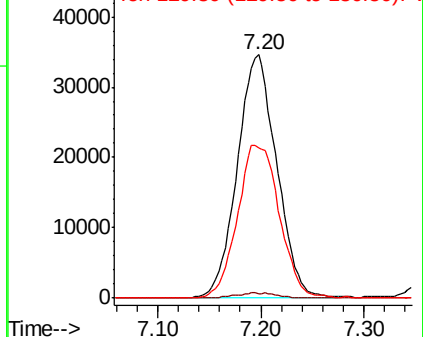
130 66.7 76.7 115.1#

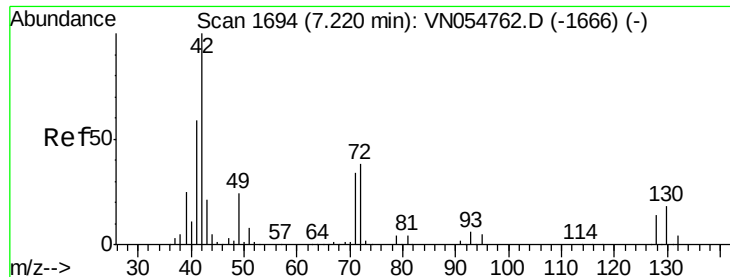


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 131.395 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

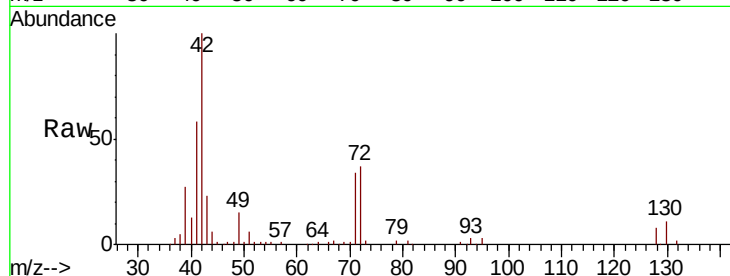
Tot Ion: 42 Resp: 163157

Ion Ratio Lower Upper

42 100

72 35.7 37.8 56.6#

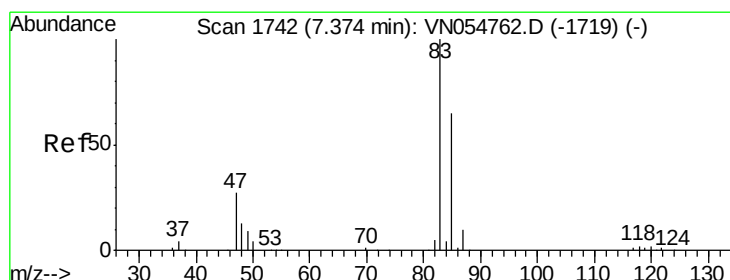
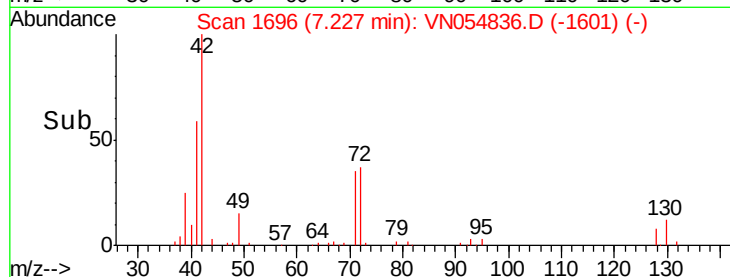
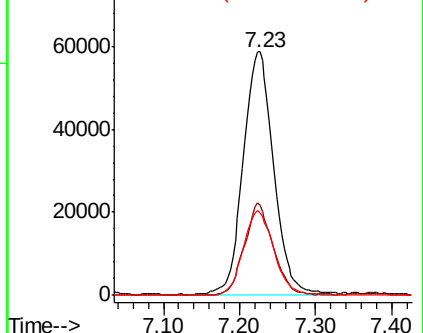
71 35.0 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 23.755 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054836.D

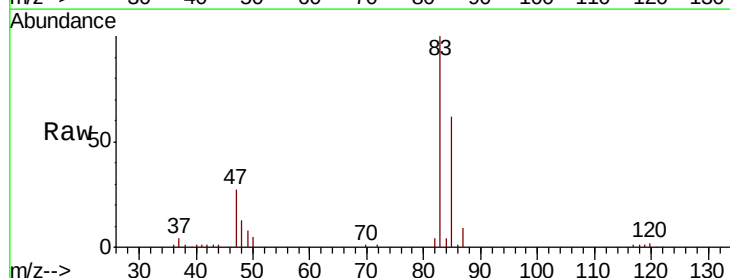
Acq: 31 Mar 2019 7:03

Tgt Ion: 83 Resp: 174096

Ion Ratio Lower Upper

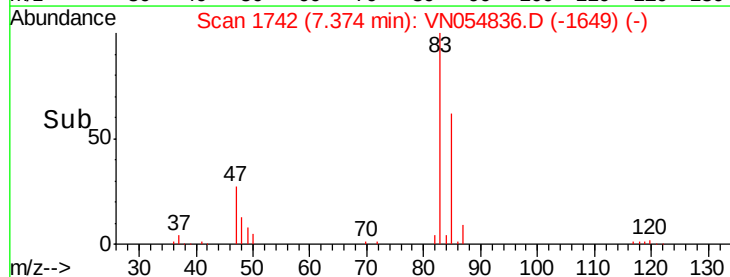
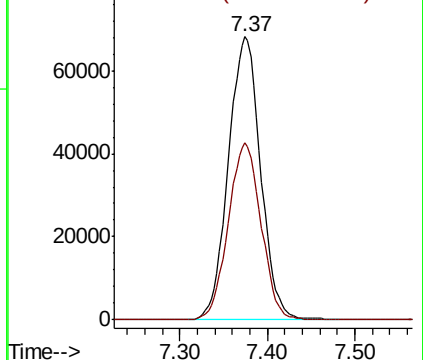
83 100

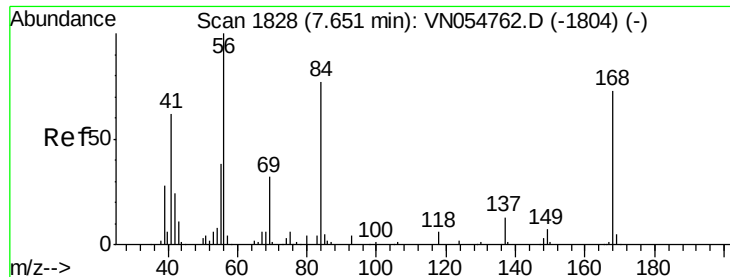
85 62.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

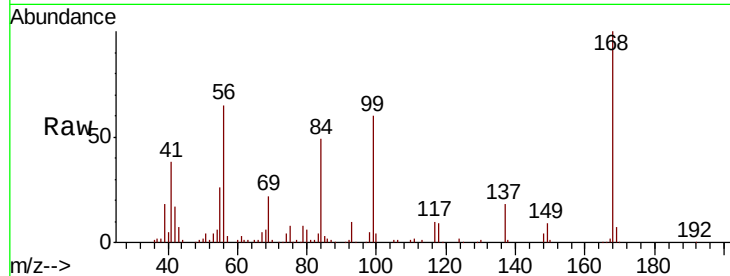




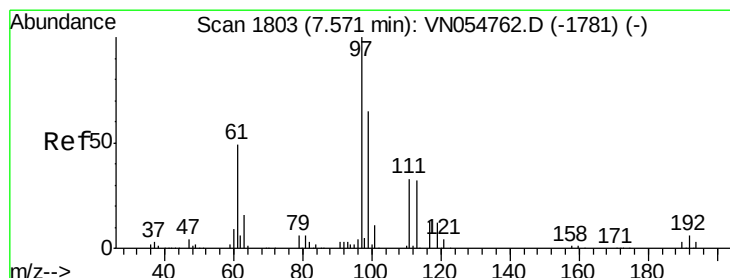
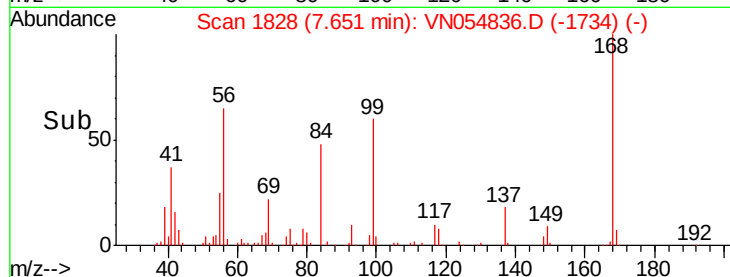
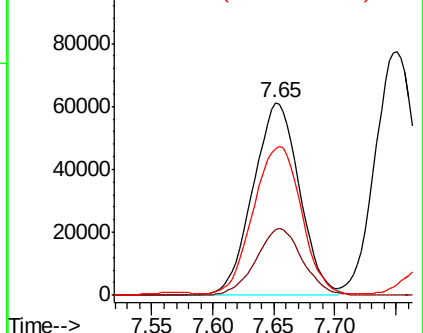
#31
Cyclohexane
Concen: 21.937 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion: 56 Resp: 161726
Ion Ratio Lower Upper
56 100
69 34.3 27.8 41.6
84 74.7 74.6 111.8

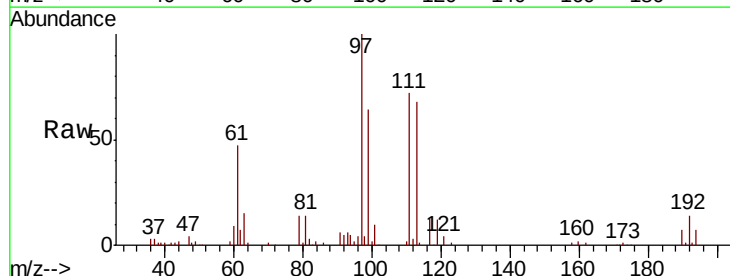


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

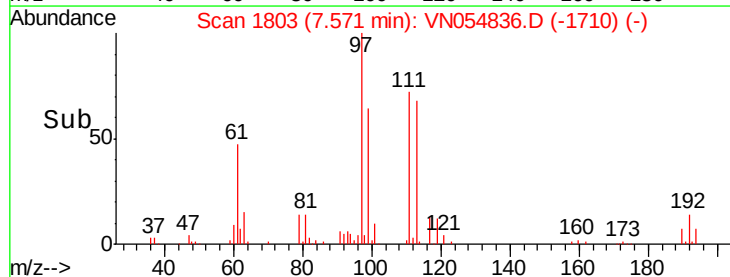
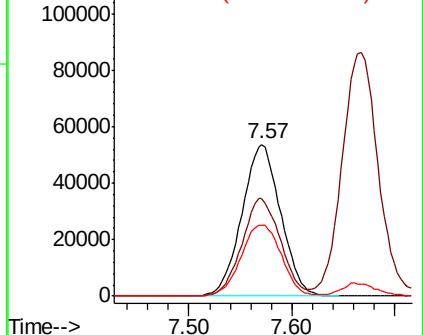


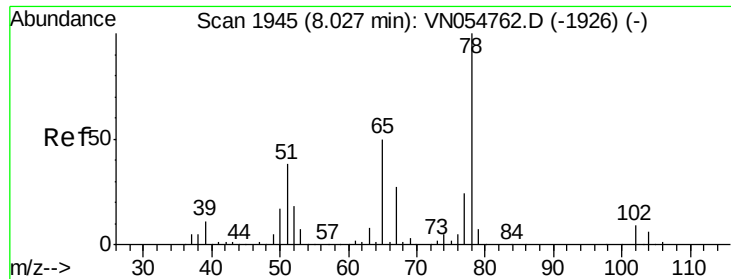
#32
1,1,1-Trichloroethane
Concen: 23.027 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 97 Resp: 139854
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 49.2 33.6 50.4



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

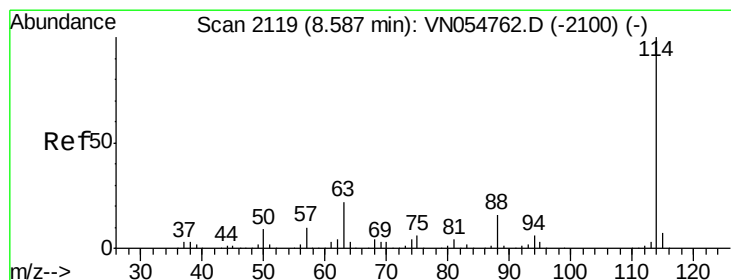
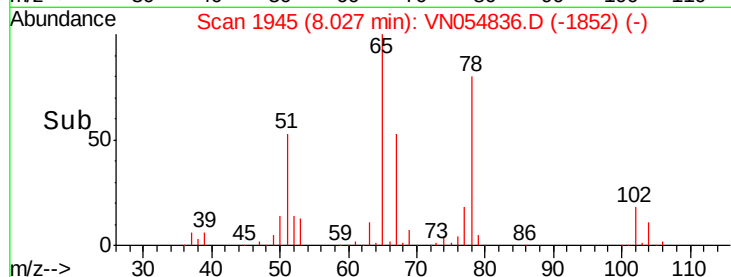
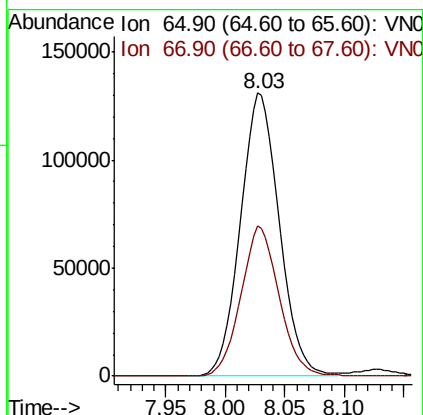
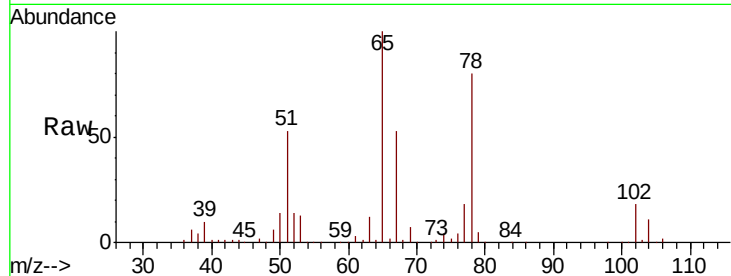




#33
 1,2-Dichloroethane-d4
 Concen: 58.485 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

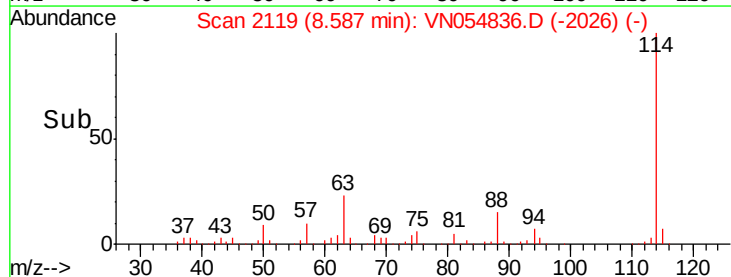
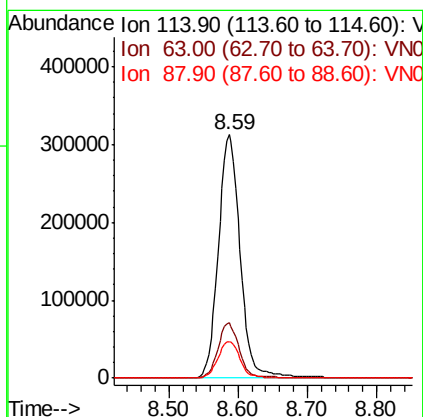
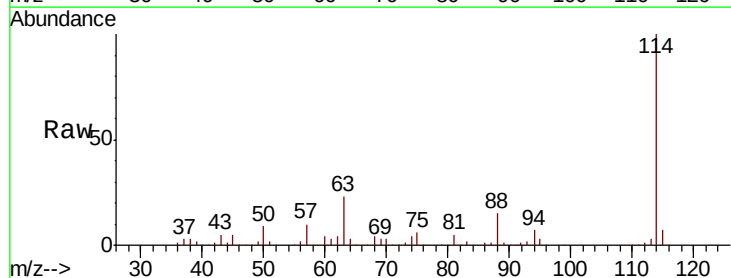
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

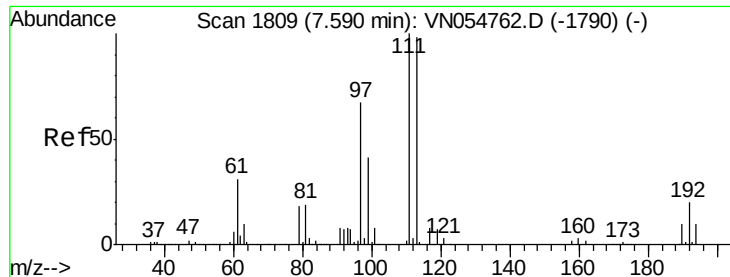
Tot Ion: 65 Resp: 296628
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 114 Resp: 683956
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

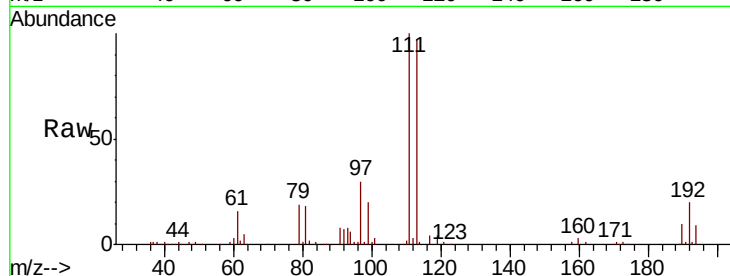
Tot Ion:113 Resp: 227674

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

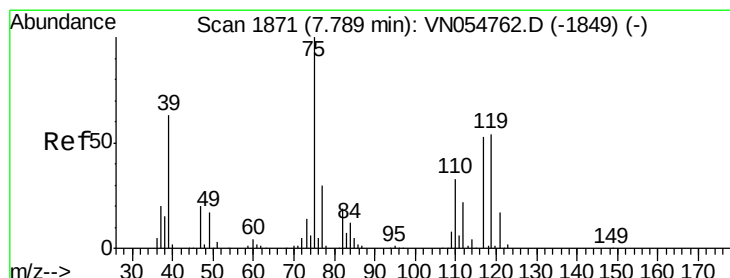
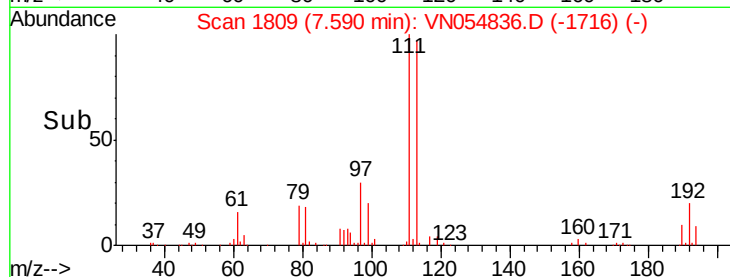
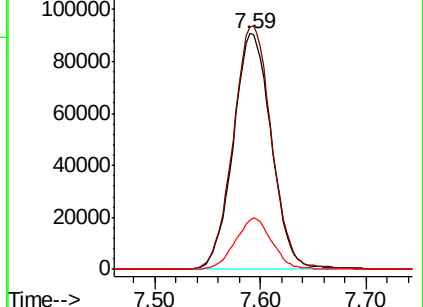
192 20.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.854 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

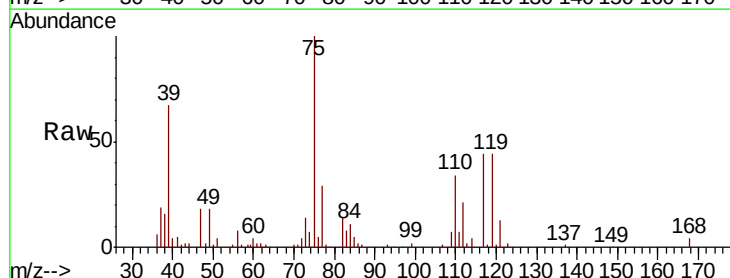
Tgt Ion: 75 Resp: 126533

Ion Ratio Lower Upper

75 100

110 33.4 19.1 57.5

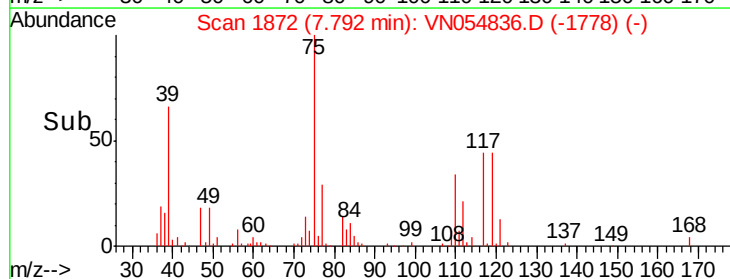
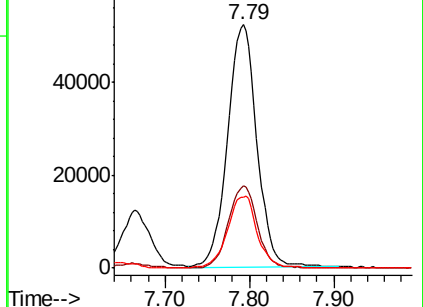
77 30.0 25.0 37.4

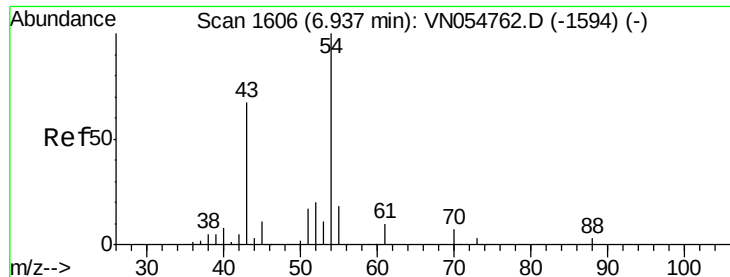


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

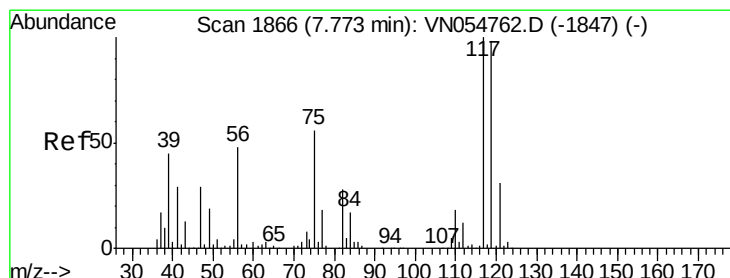
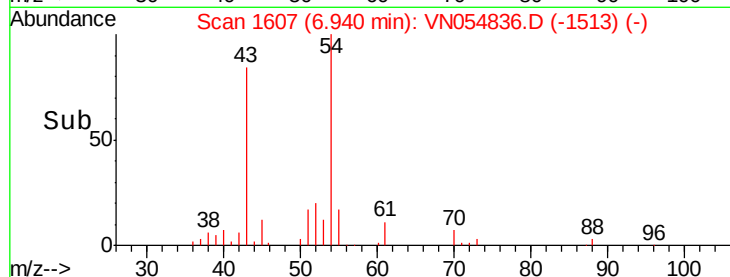
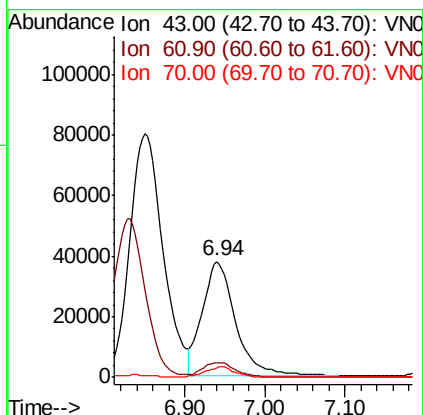
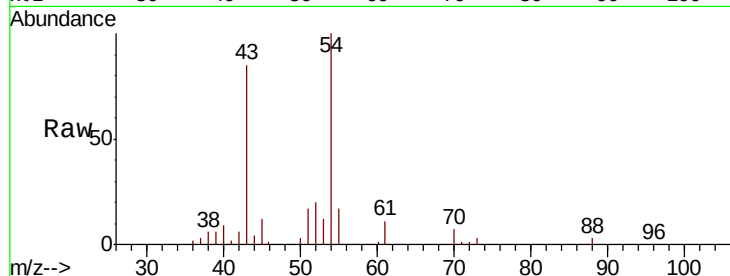




#37
Ethyl Acetate
Concen: 23.399 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

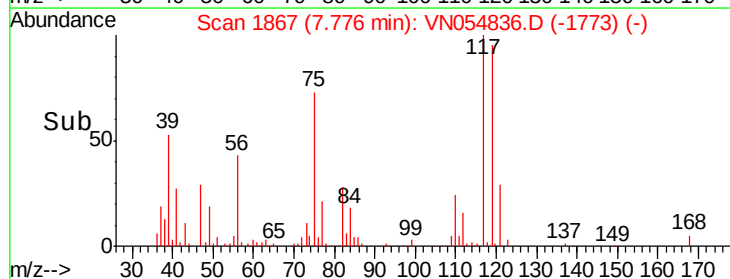
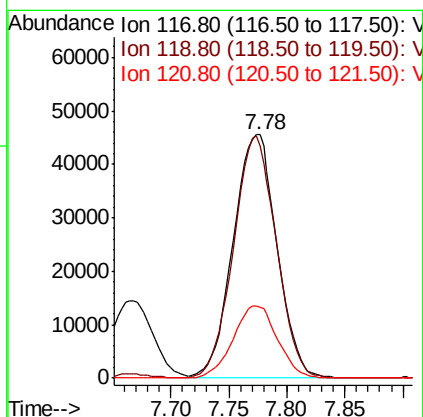
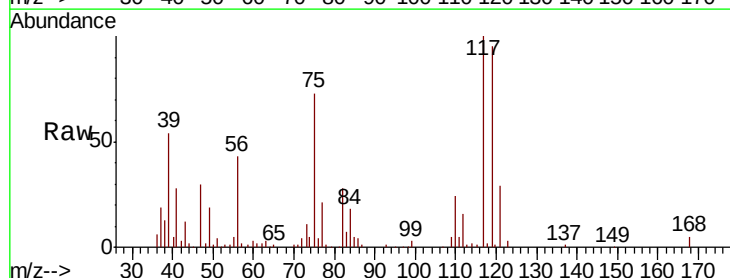
Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

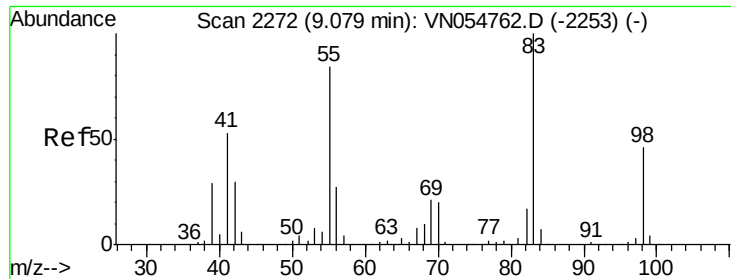
Tot Ion: 43 Resp: 109355
Ion Ratio Lower Upper
43 100
61 12.1 11.8 17.6
70 8.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 19.153 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 117 Resp: 118561
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 29.4 24.6 36.8

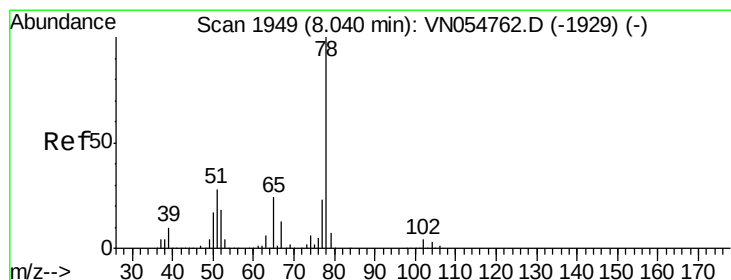
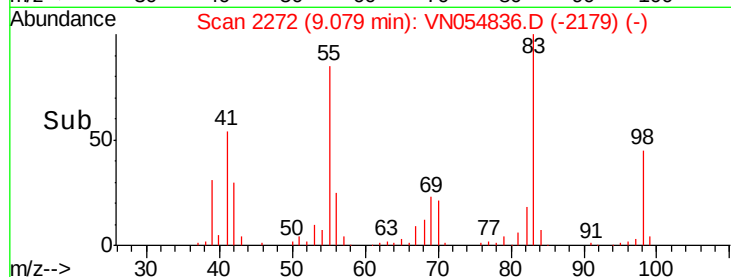
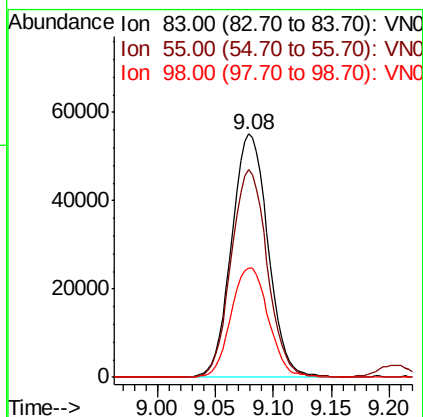
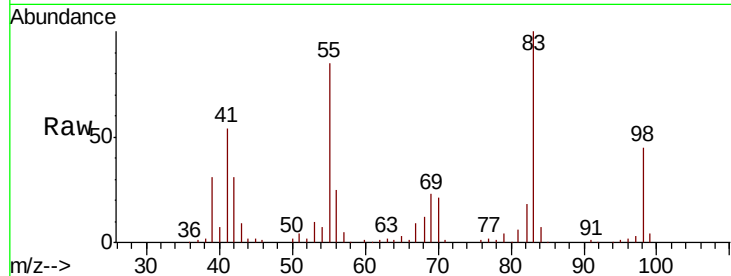




#39
Methylvlcyclohexane
Concen: 17.196 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

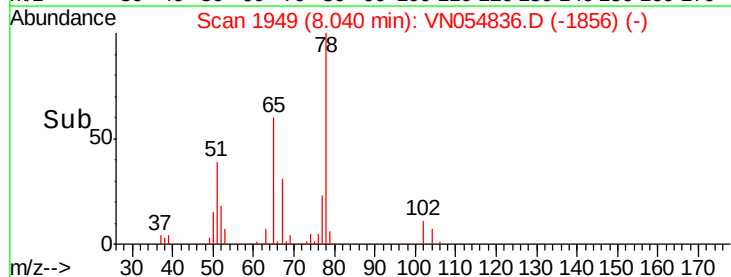
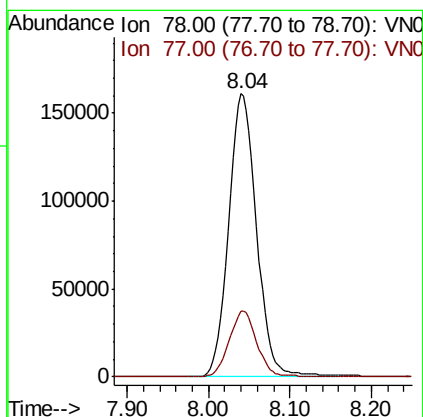
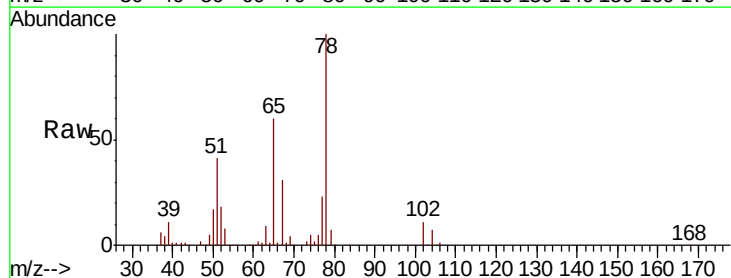
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

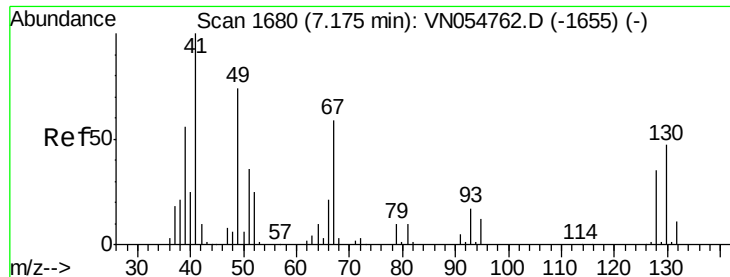
Tot Ion: 83 Resp: 120483
Ion Ratio Lower Upper
83 100
55 85.4 56.6 84.8#
98 45.1 38.4 57.6



#40
Benzene
Concen: 21.221 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 78 Resp: 386993
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

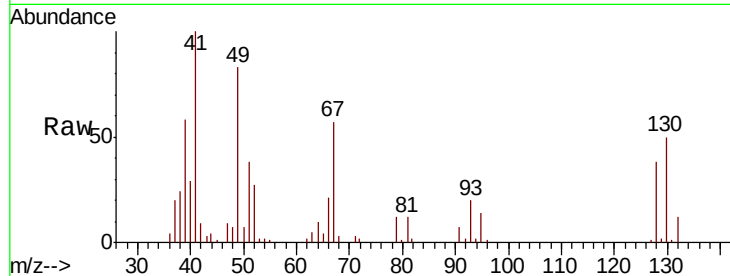




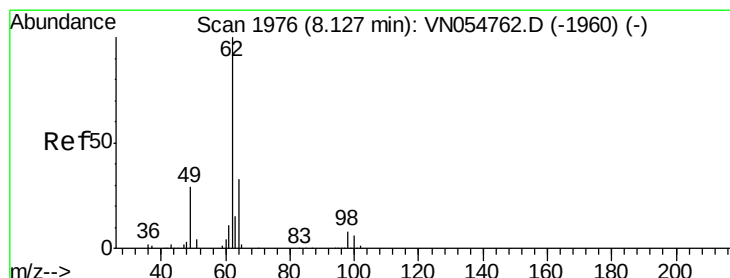
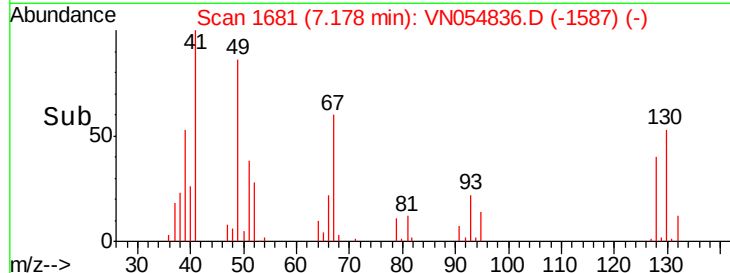
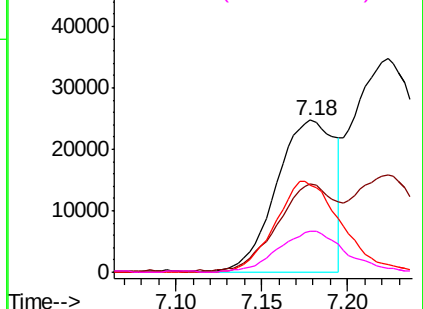
#41
Methacrylonitrile
Concen: 22.288 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

Tot Ion: 41 Resp: 58515
Ion Ratio Lower Upper
41 100
39 57.6 46.8 70.2
67 68.6 67.0 100.4
52 31.3 26.5 39.7

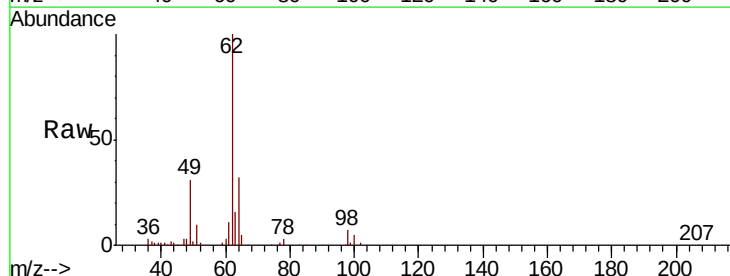


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

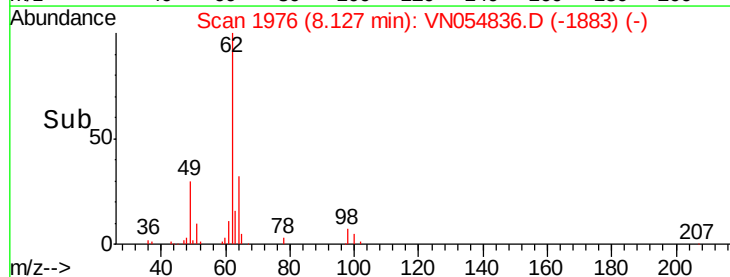
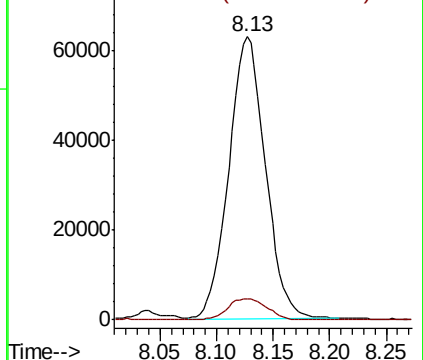


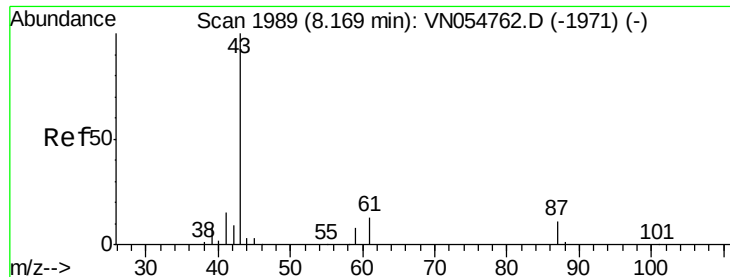
#42
1,2-Dichloroethane
Concen: 21.744 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 62 Resp: 141583
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 23.192 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

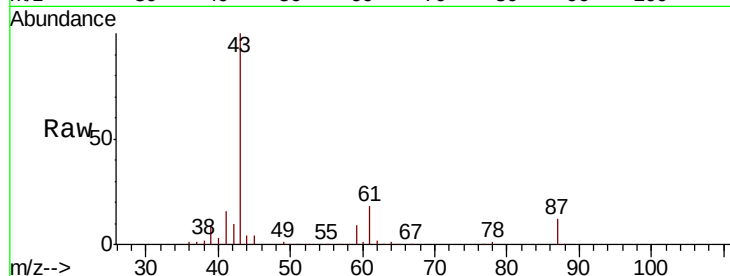
Tot Ion: 43 Resp: 176117

Ion Ratio Lower Upper

43 100

61 17.5 15.8 23.8

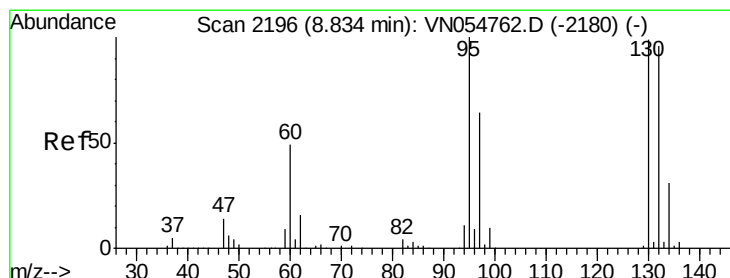
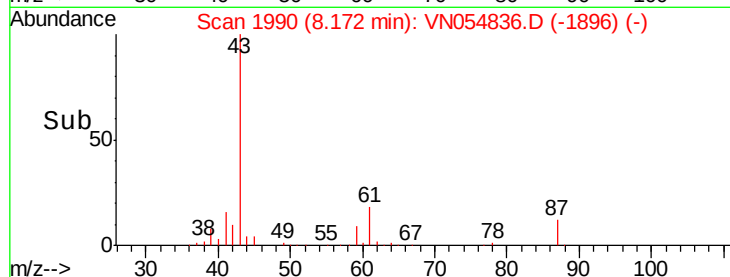
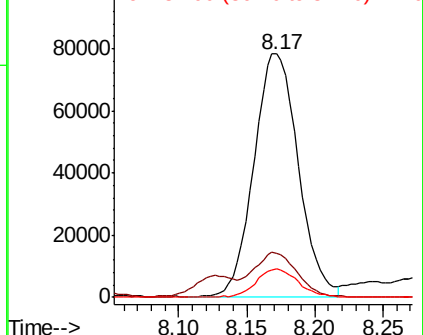
87 11.1 12.0 18.0#



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: 20.581 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054836.D

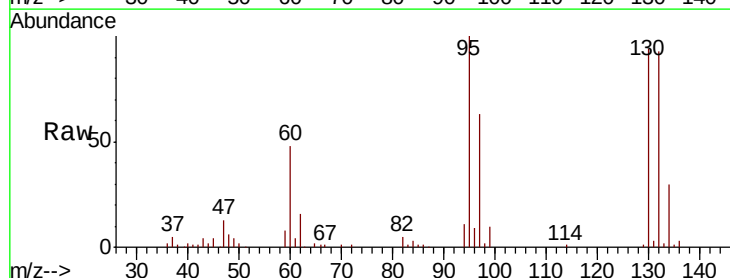
Acq: 31 Mar 2019 7:03

Tgt Ion:130 Resp: 97429

Ion Ratio Lower Upper

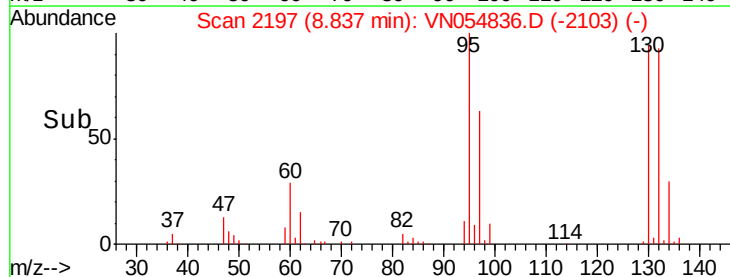
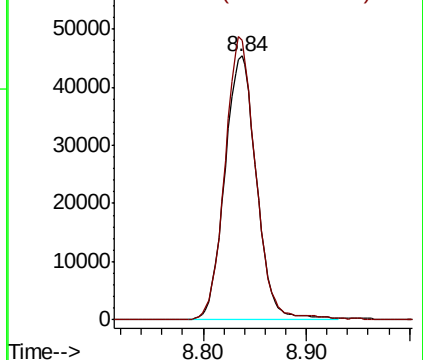
130 100

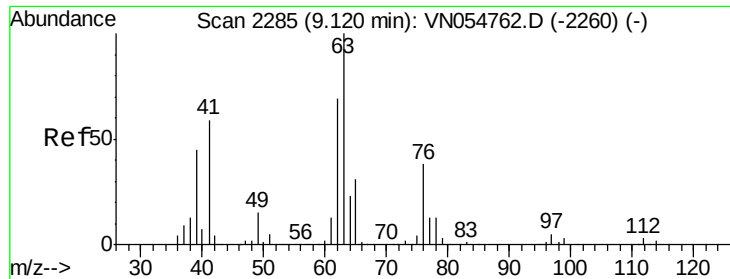
95 105.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

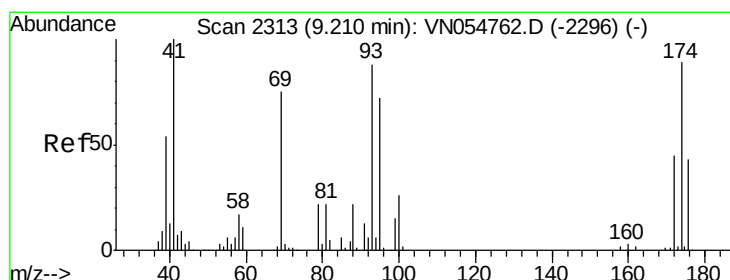
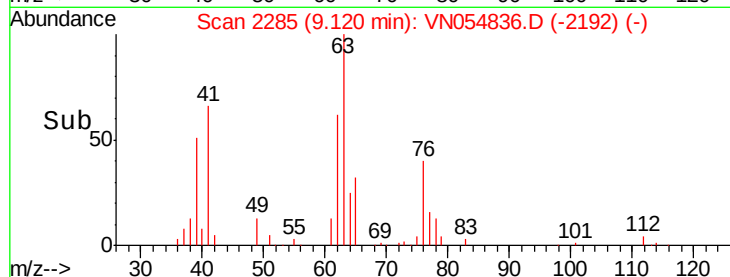
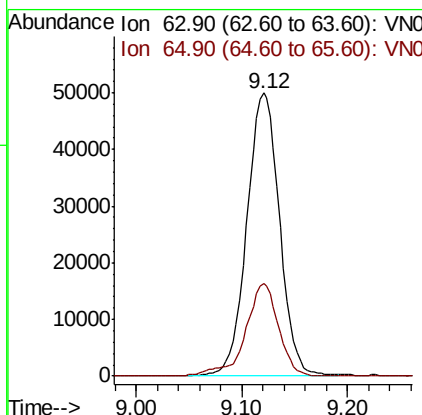
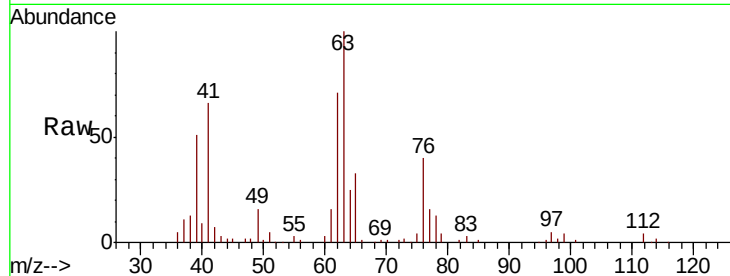




#45
 1,2-Dichloropropane
 Concen: 20.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

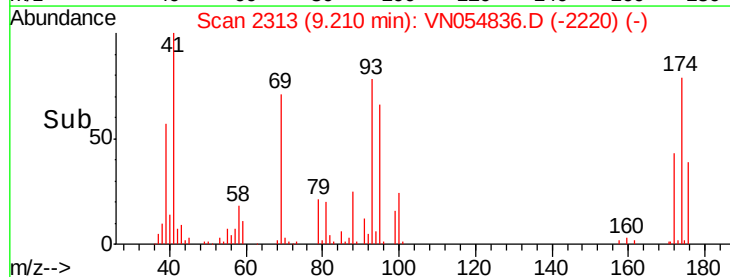
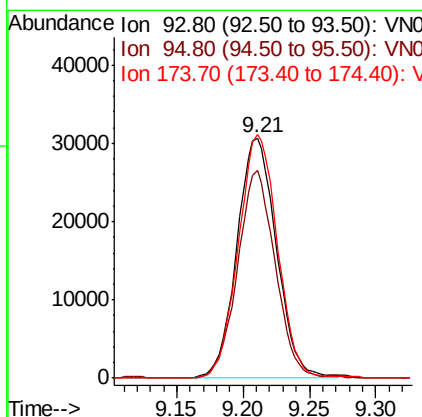
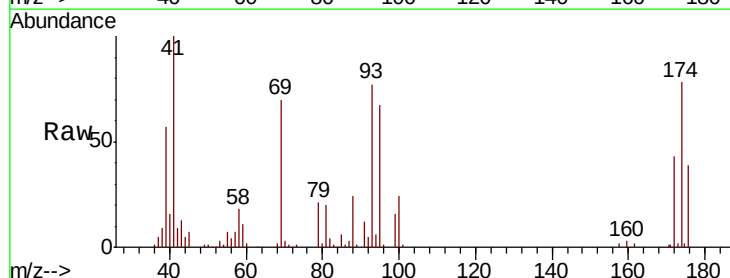
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

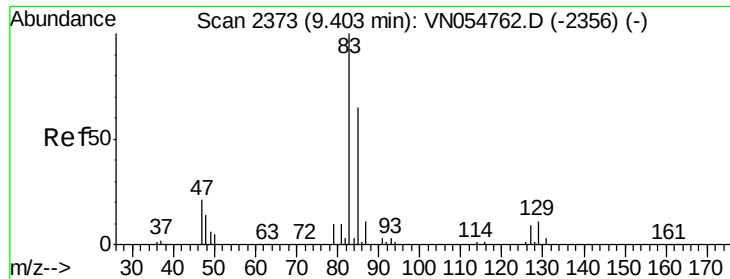
Tot Ion: 63 Resp: 108125
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6



#46
 Dibromomethane
 Concen: 21.746 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 93 Resp: 63610
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 100.3 98.5 147.7





#47

Bromodichloromethane

Concen: 21.259 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

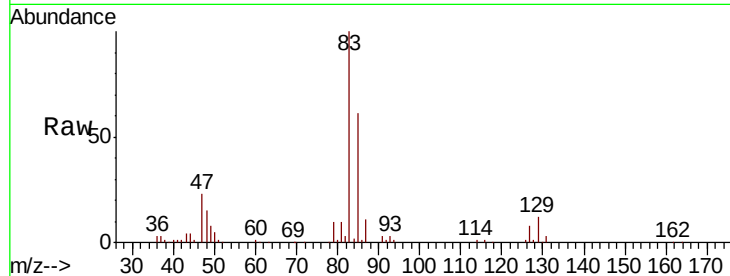
Tot Ion: 83 Resp: 129236

Ion Ratio Lower Upper

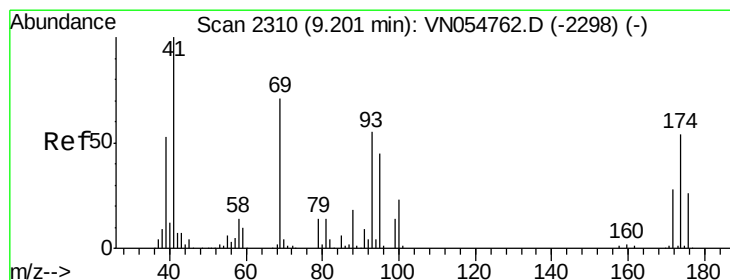
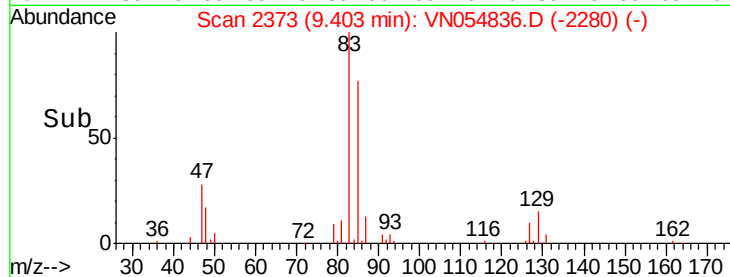
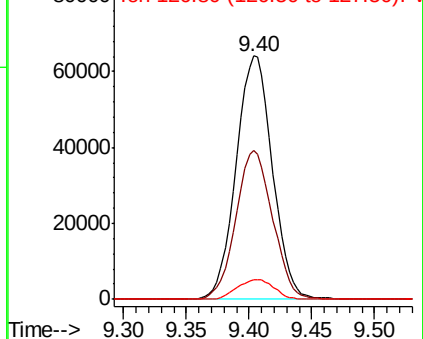
83 100

85 61.3 52.8 79.2

127 8.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.675 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

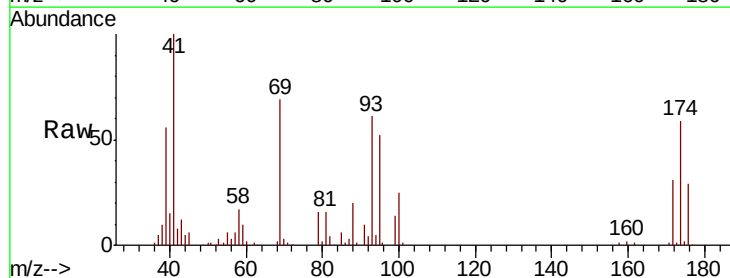
Tgt Ion: 41 Resp: 89225

Ion Ratio Lower Upper

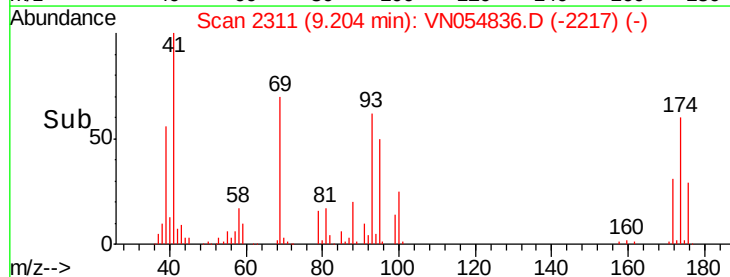
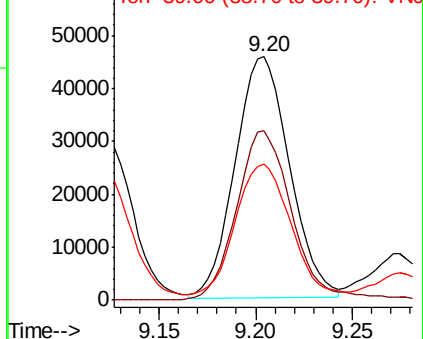
41 100

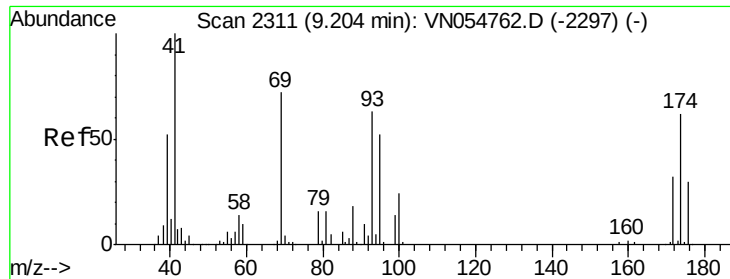
69 71.7 72.6 108.8#

39 58.2 47.5 71.3



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





#49

1,4-Dioxane

Concen: 514.633 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

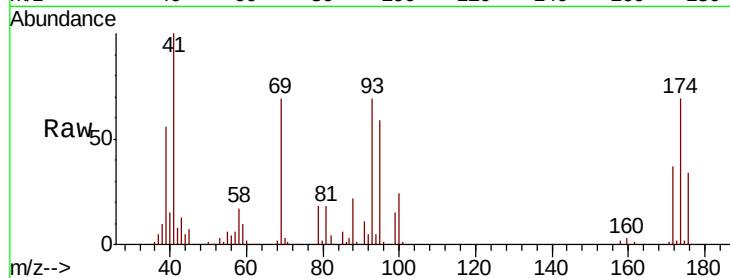
Tot Ion: 88 Resp: 21020

Ion Ratio Lower Upper

88 100

43 40.0 24.1 36.1#

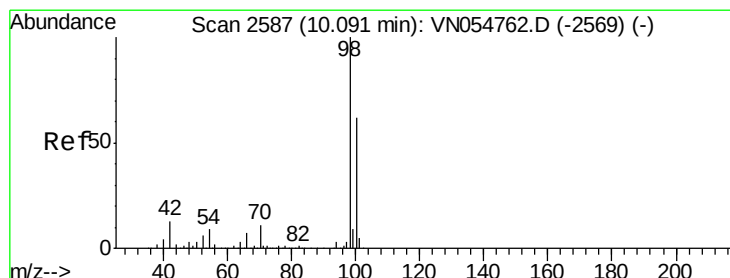
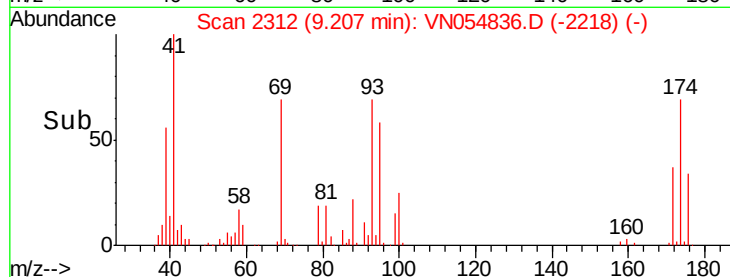
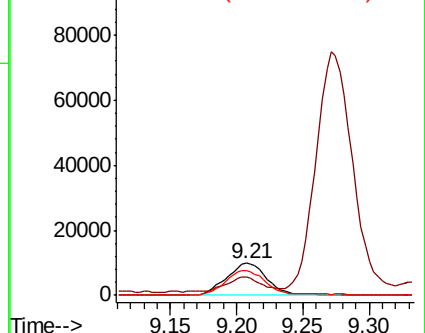
58 76.8 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.064 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054836.D

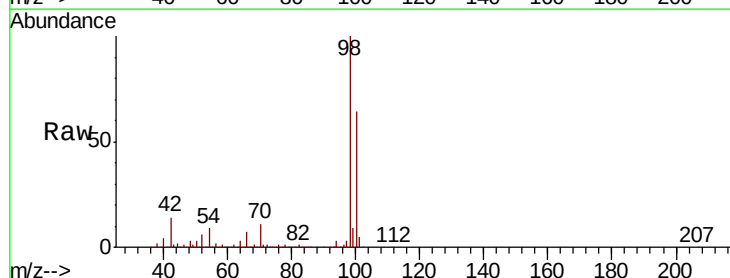
Acq: 31 Mar 2019 7:03

Tgt Ion: 98 Resp: 831757

Ion Ratio Lower Upper

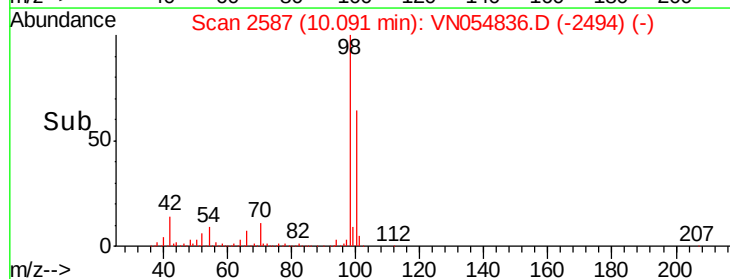
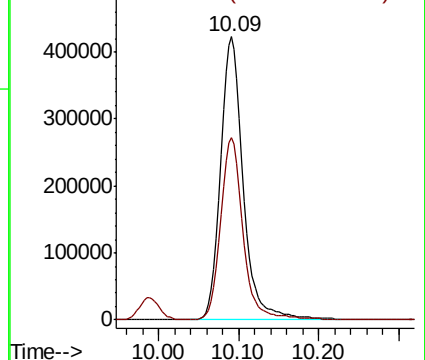
98 100

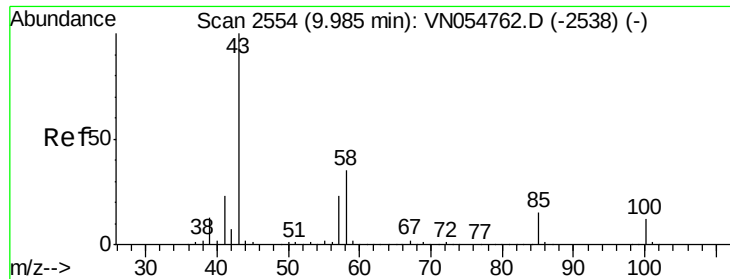
100 63.4 51.2 76.8



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: 119.072 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

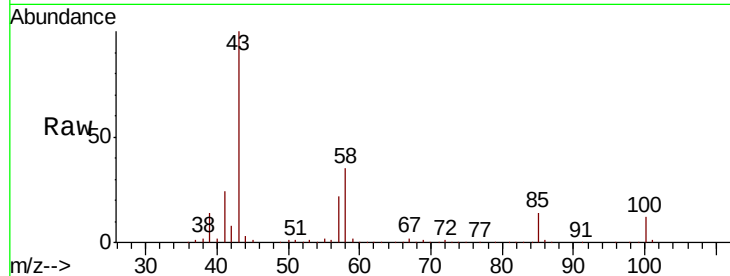
VN0330WBSD02

Tot Ion: 43 Resp: 508379

Ion Ratio Lower Upper

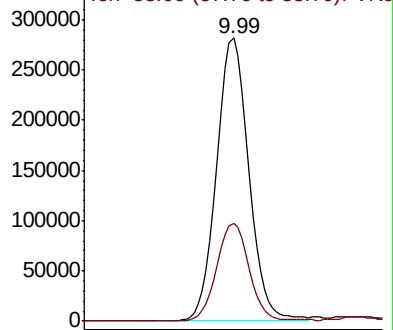
43 100

58 35.2 31.8 47.6

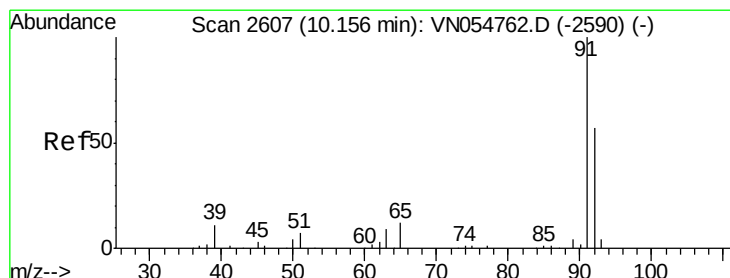
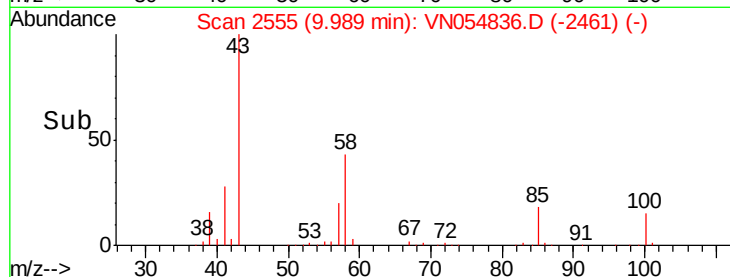


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.727 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054836.D

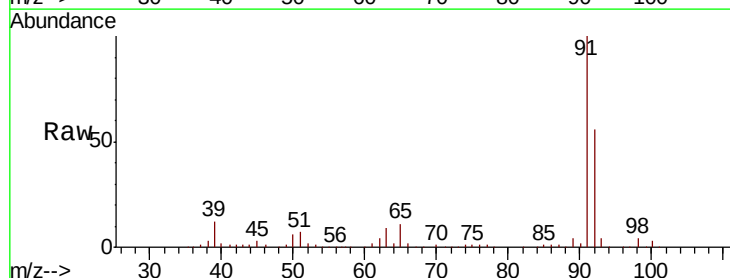
Acq: 31 Mar 2019 7:03

Tgt Ion: 92 Resp: 224917

Ion Ratio Lower Upper

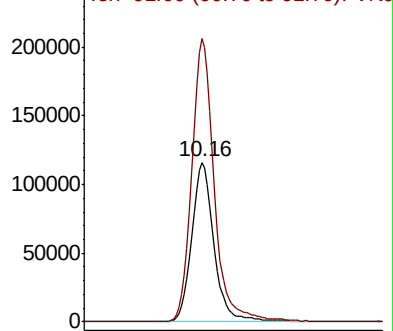
92 100

91 178.2 140.7 211.1

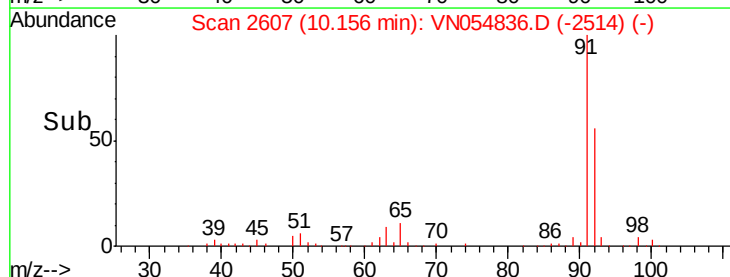


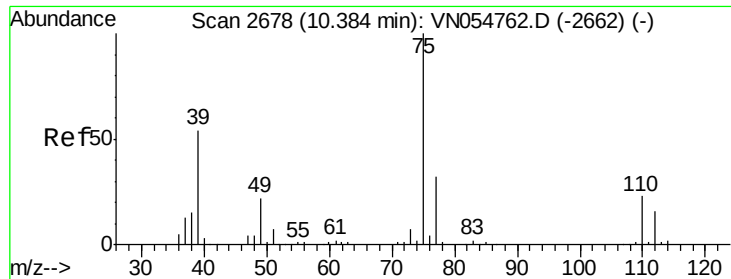
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 18.149 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

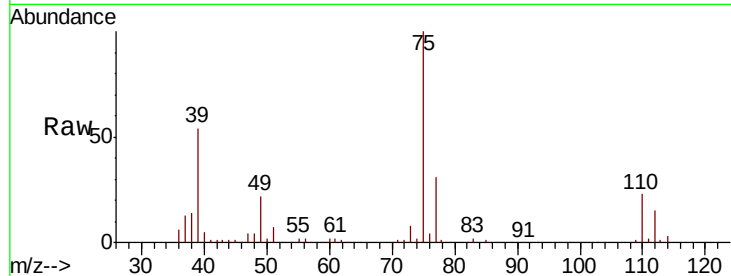
VN0330WBSD02

Tot Ion: 75 Resp: 103787

Ion Ratio Lower Upper

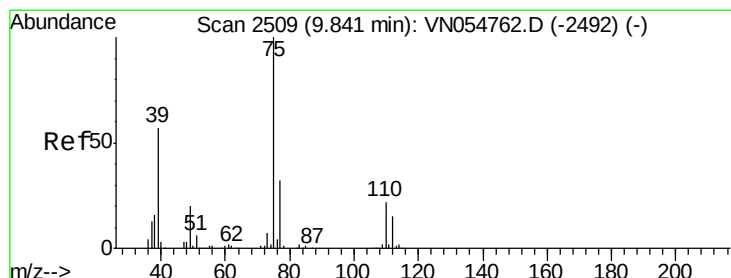
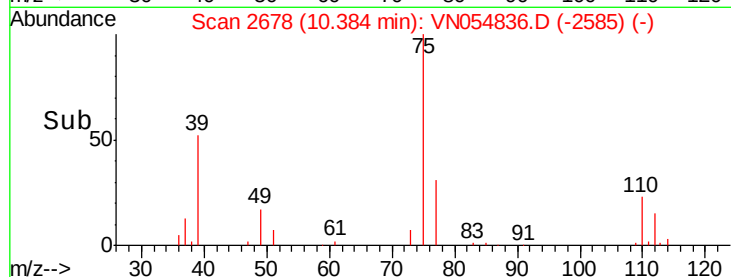
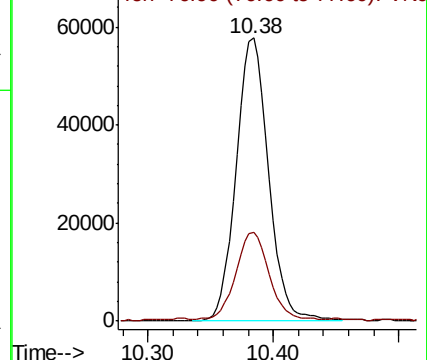
75 100

77 30.5 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.905 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

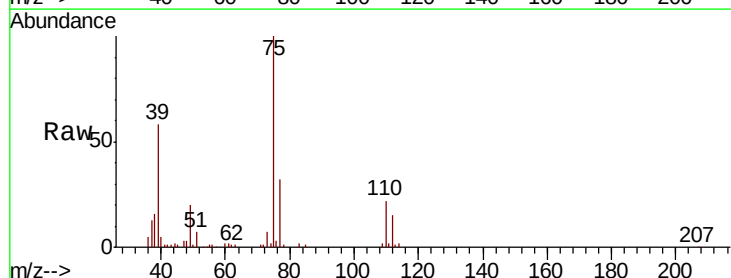
Tgt Ion: 75 Resp: 129143

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

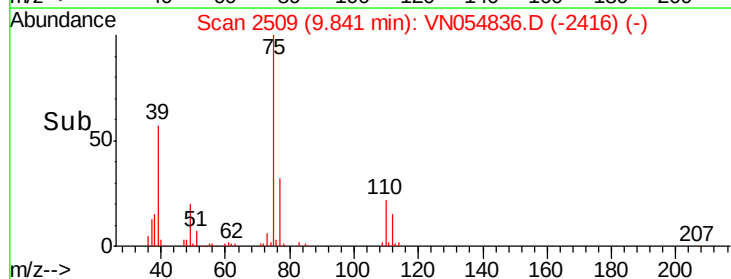
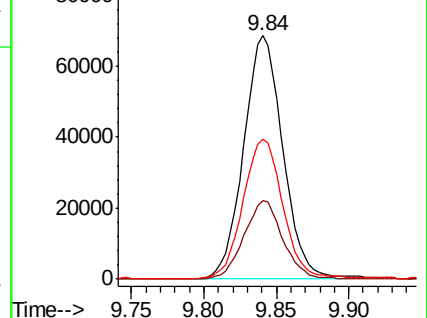
39 57.3 37.2 55.8#

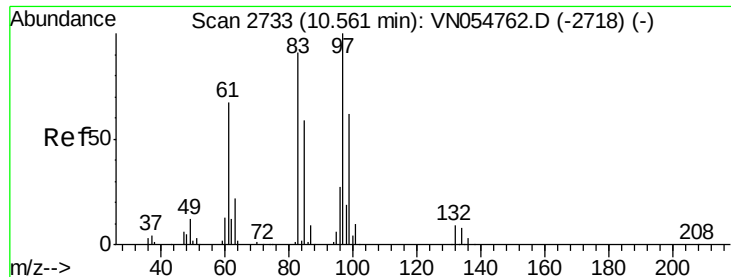


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.785 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 97 Resp: 87900

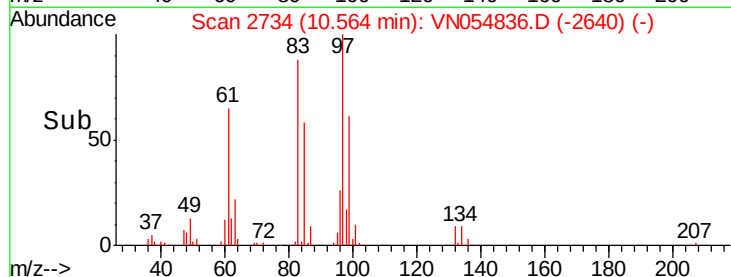
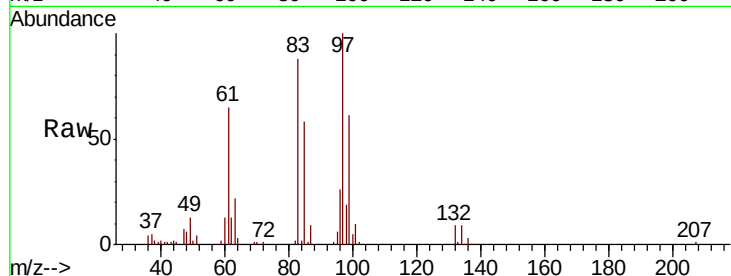
Ion	Ratio	Lower	Upper
97	100		
83	88.0	66.6	100.0
85	57.9	44.4	66.6
99	60.2	50.8	76.2

97 100

83 88.0 66.6 100.0

85 57.9 44.4 66.6

99 60.2 50.8 76.2

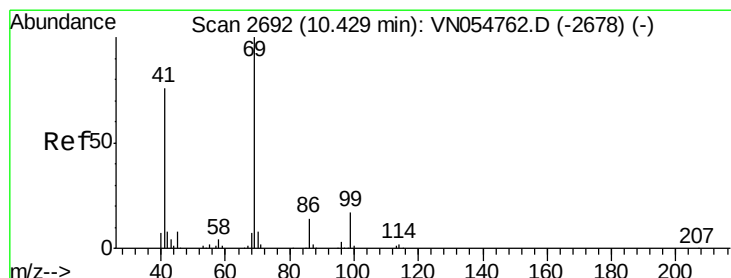
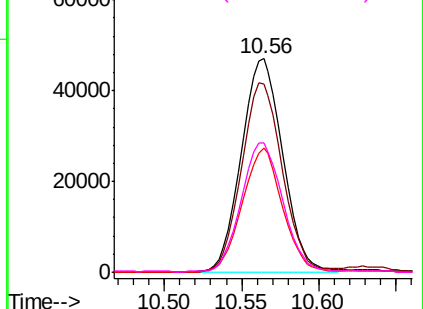


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 22.170 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

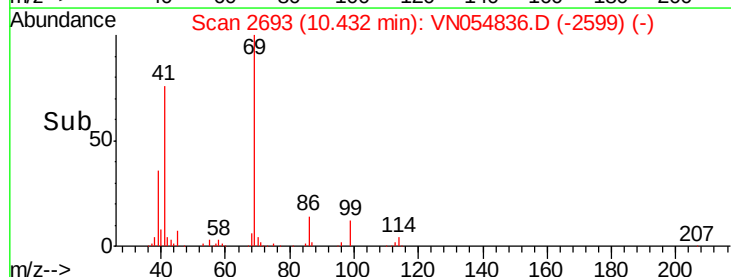
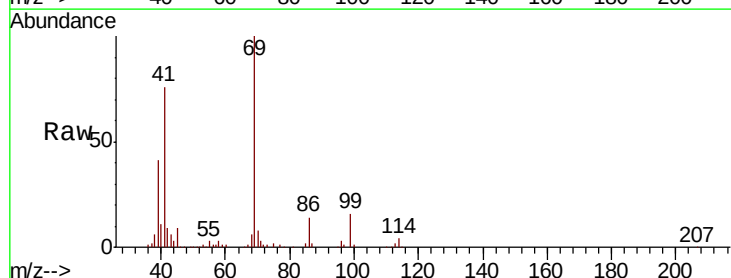
Tgt Ion: 69 Resp: 117345

Ion	Ratio	Lower	Upper
69	100		
41	76.1	49.4	74.2#
39	40.1	28.3	42.5

69 100

41 76.1 49.4 74.2#

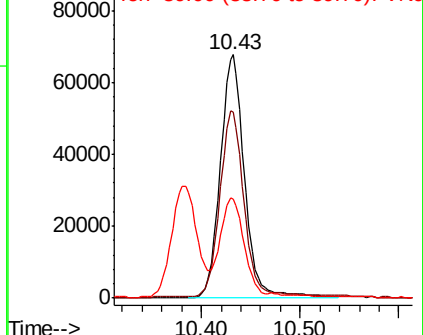
39 40.1 28.3 42.5

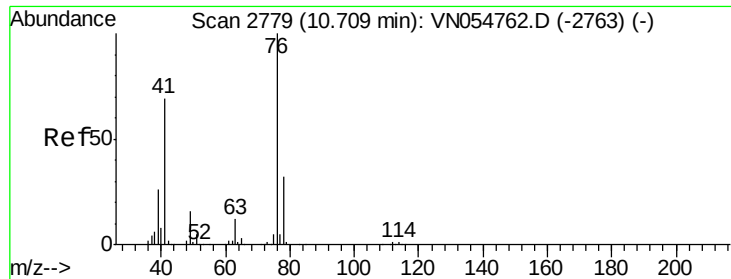


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

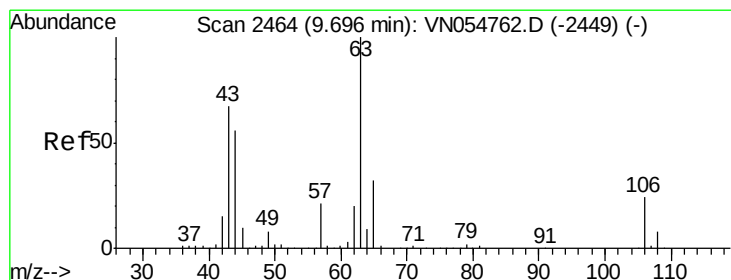
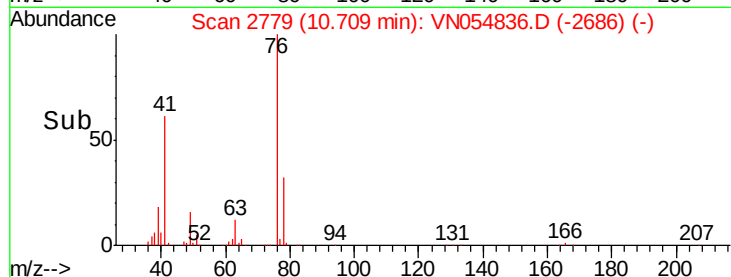
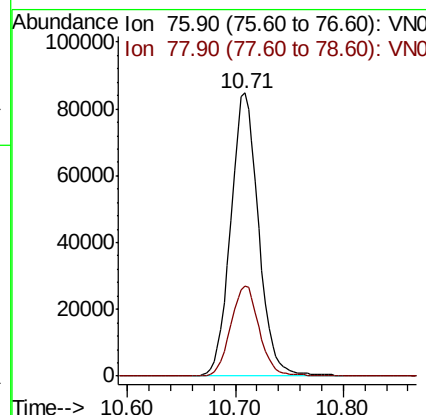
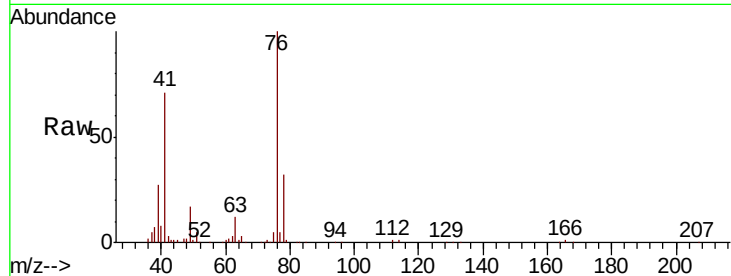




#57
 1,3-Dichloropropane
 Concen: 22.036 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

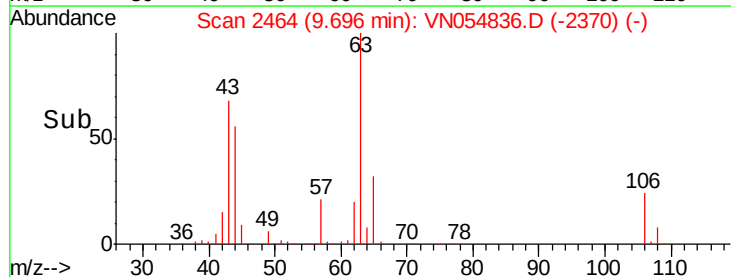
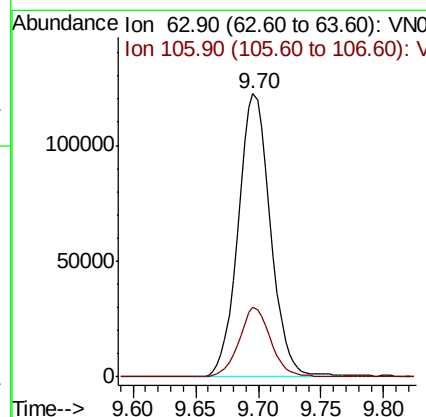
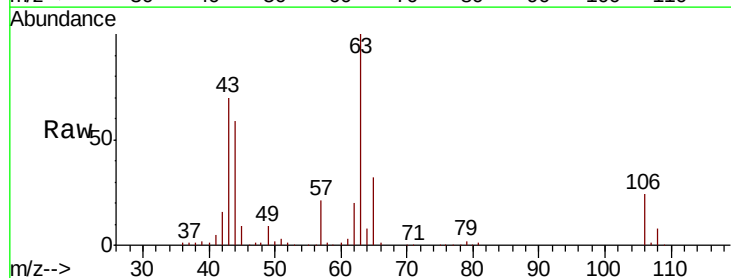
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

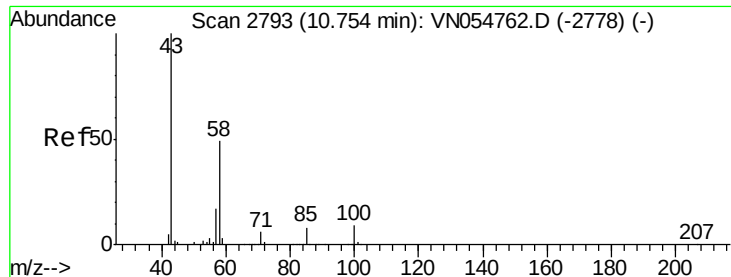
Tot Ion: 76 Resp: 152860
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.431 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 63 Resp: 219003
 Ion Ratio Lower Upper
 63 100
 106 24.0 24.4 36.6#

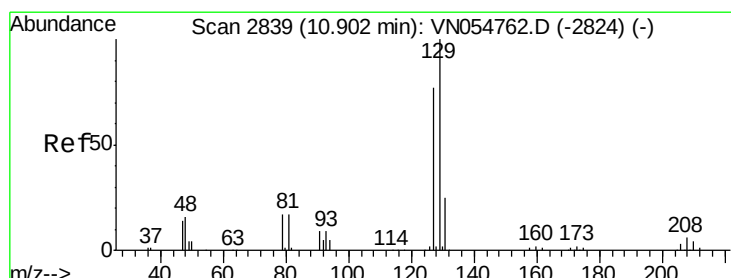
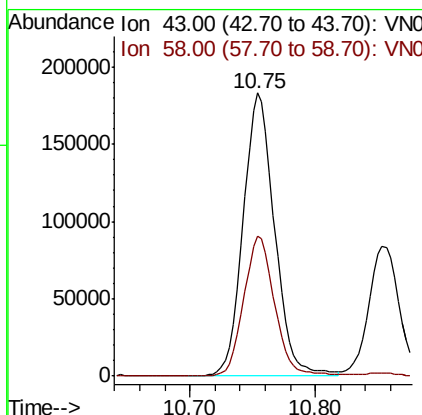
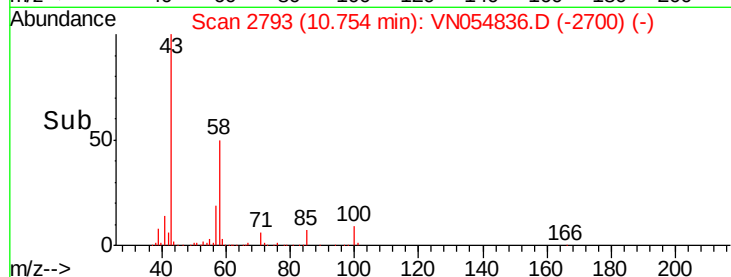
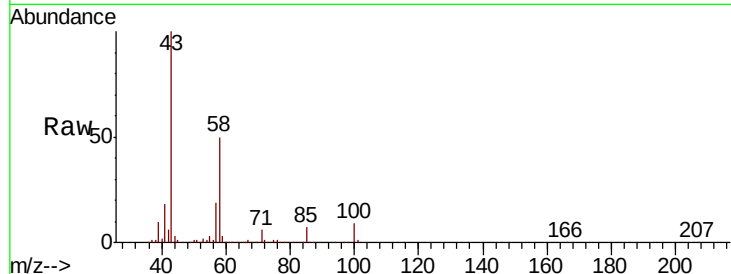




#59
2-Hexanone
Concen: 115.803 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

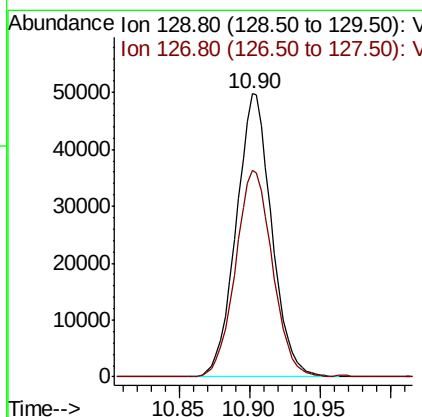
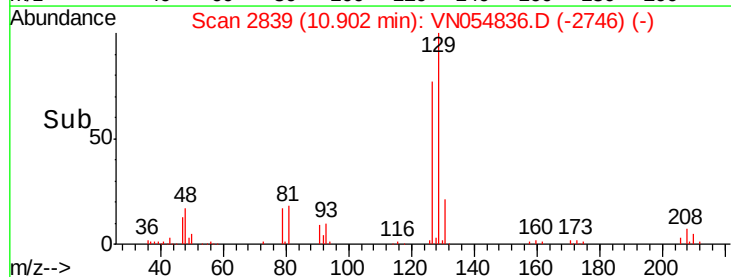
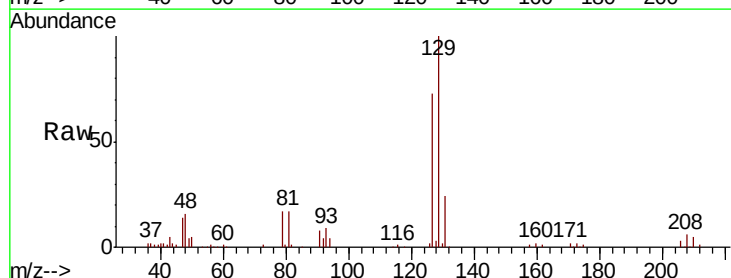
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

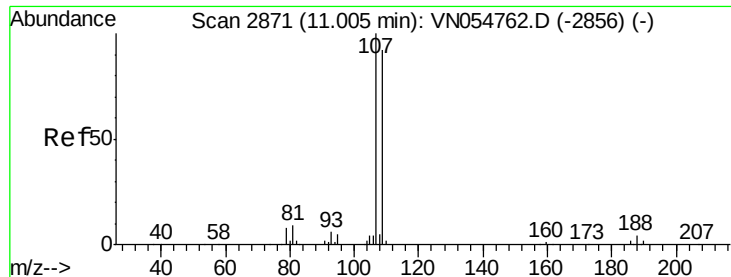
Tot Ion: 43 Resp: 316507
Ion Ratio Lower Upper
43 100
58 49.1 28.0 83.9



#60
Dibromochloromethane
Concen: 21.450 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 129 Resp: 87671
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.097 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

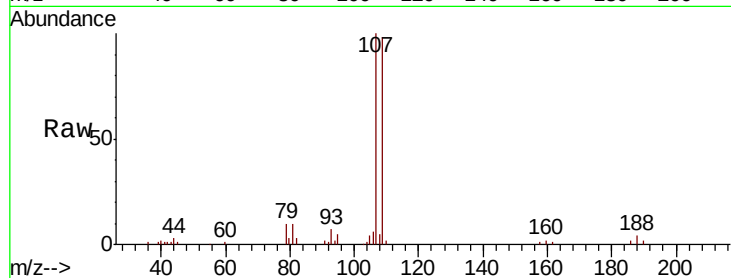
VN0330WBSD02

Tot Ion: 107 Resp: 81350

Ion Ratio Lower Upper

107 100

109 97.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

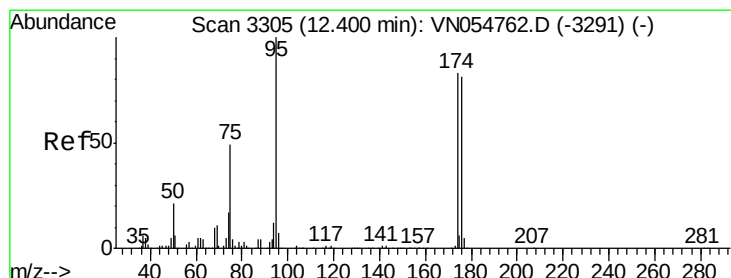
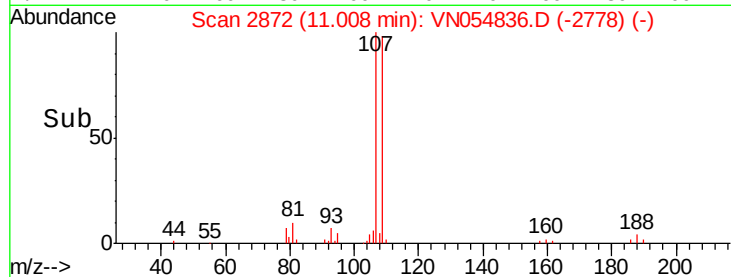
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.074 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

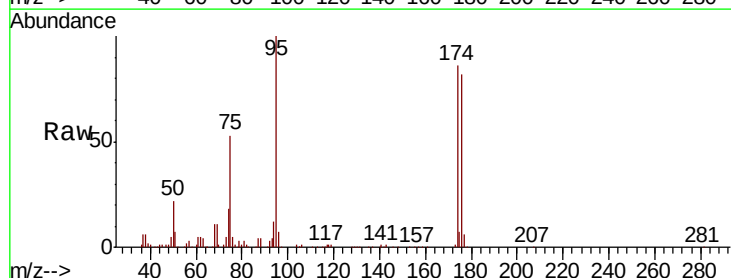
Tgt Ion: 95 Resp: 265403

Ion Ratio Lower Upper

95 100

174 85.6 0.0 191.0

176 82.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

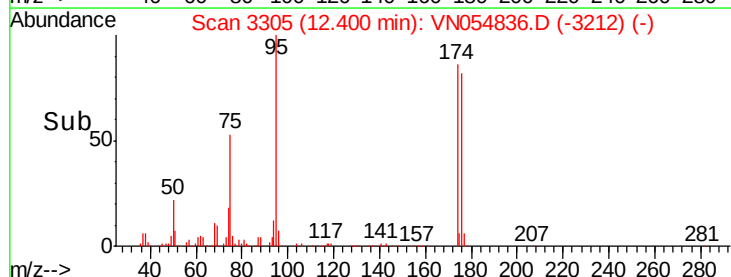
150000

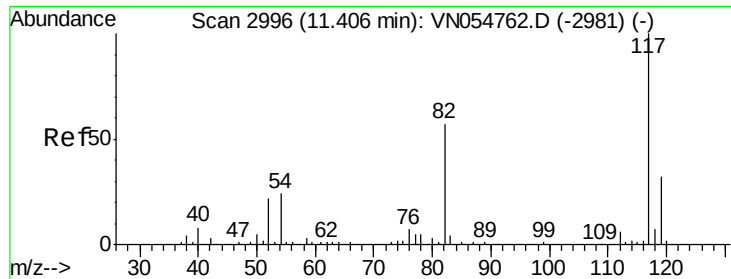
100000

50000

0

Time-->

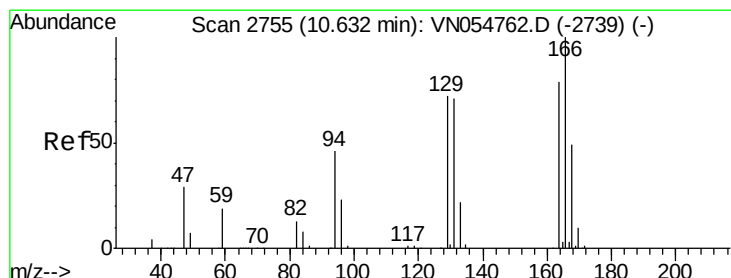
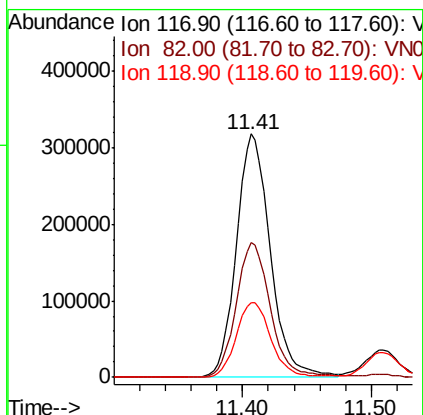
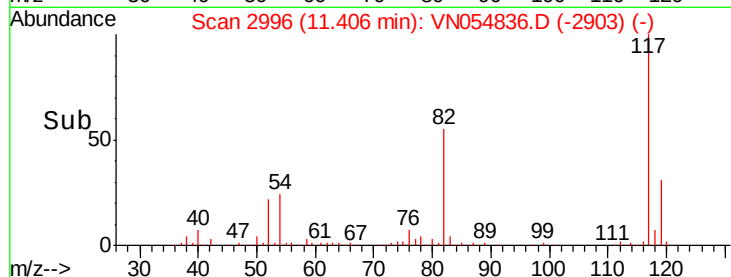
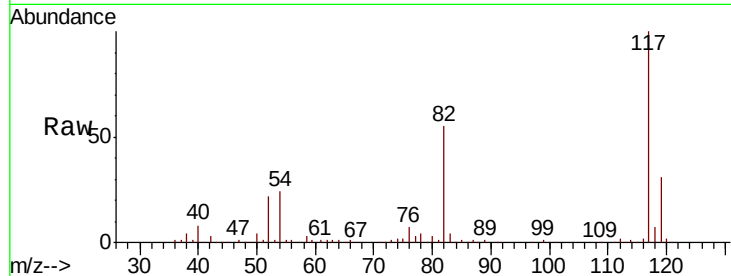




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

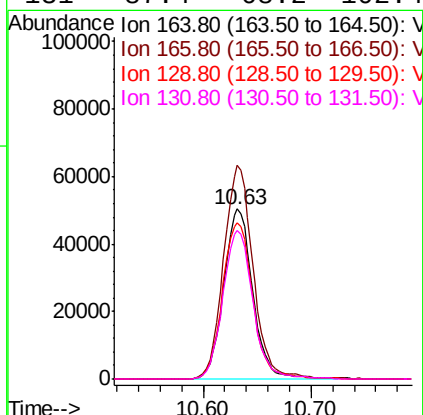
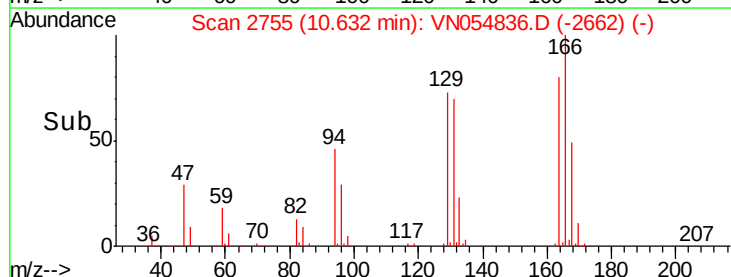
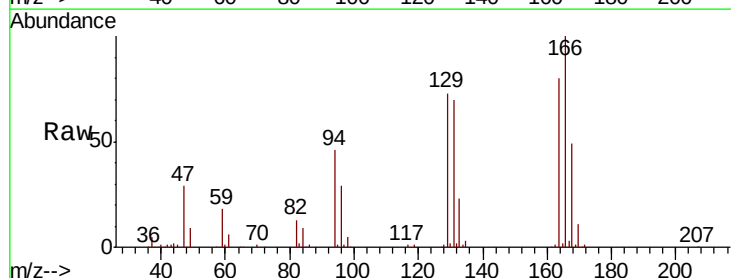
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

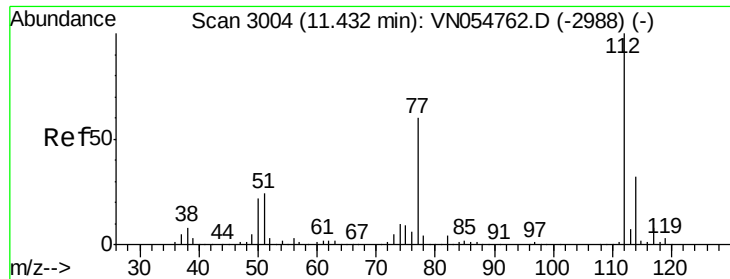
Tot Ion:117 Resp: 581656
Ion Ratio Lower Upper
117 100
82 55.3 40.0 60.0
119 30.8 25.8 38.6



#64
Tetrachloroethene
Concen: 21.217 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:164 Resp: 94702
Ion Ratio Lower Upper
164 100
166 125.6 103.9 155.9
129 91.8 71.1 106.7
131 87.4 68.2 102.4

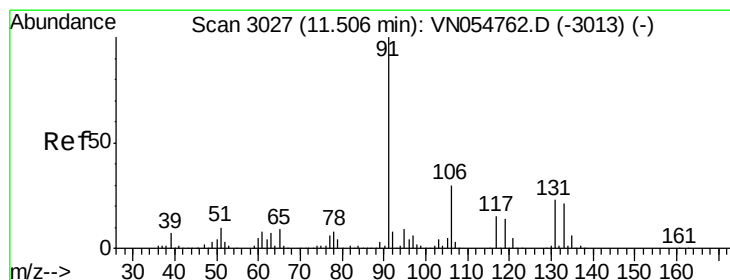
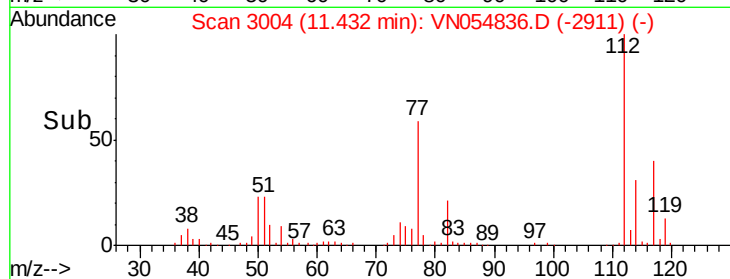
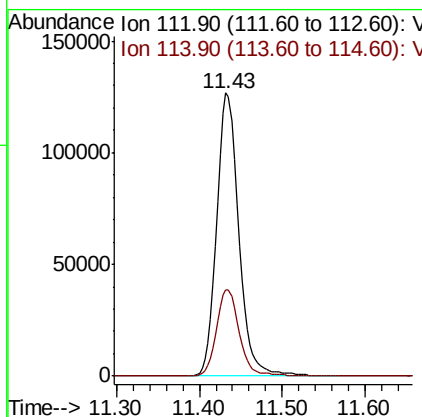
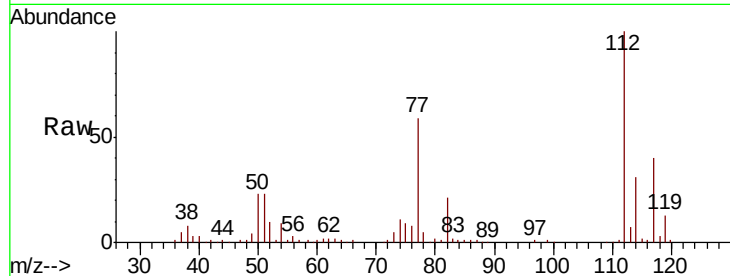




#65
Chlorobenzene
Concen: 20.555 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

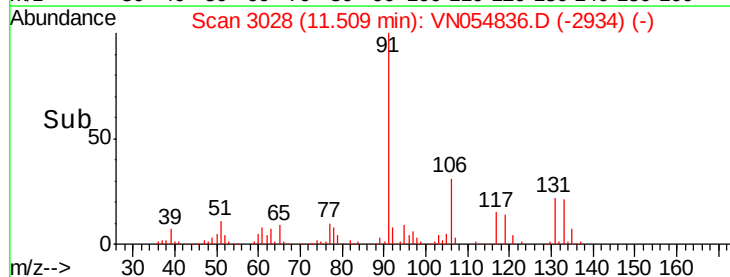
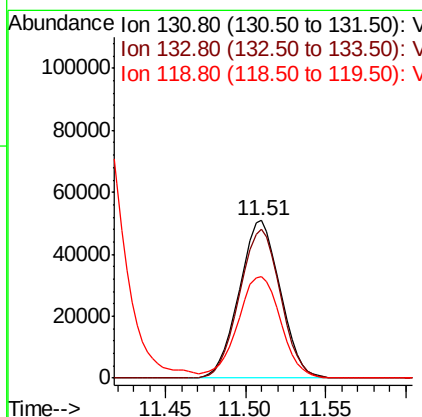
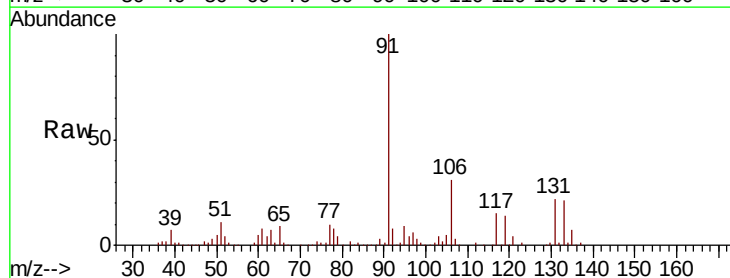
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

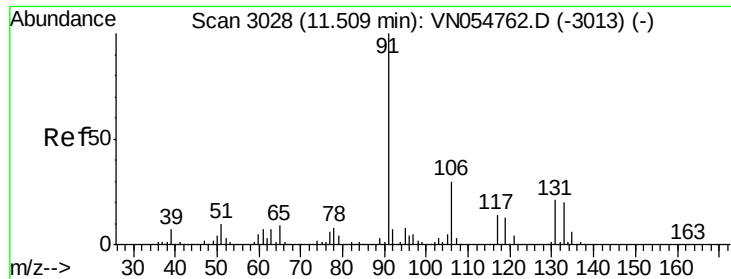
Tot Ion:112 Resp: 234083
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:131 Resp: 89077
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 67.6 32.4 97.0

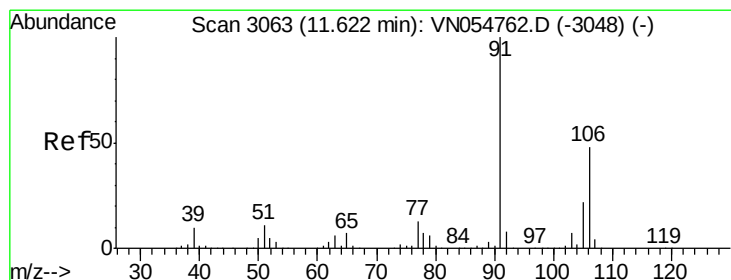
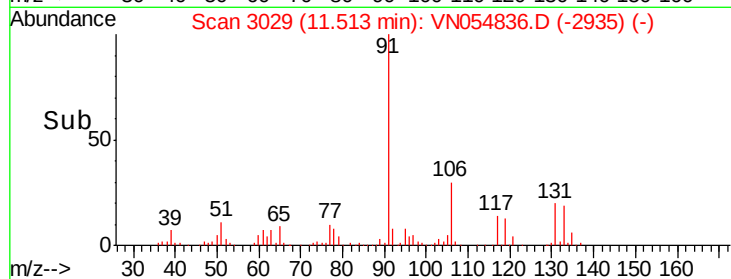
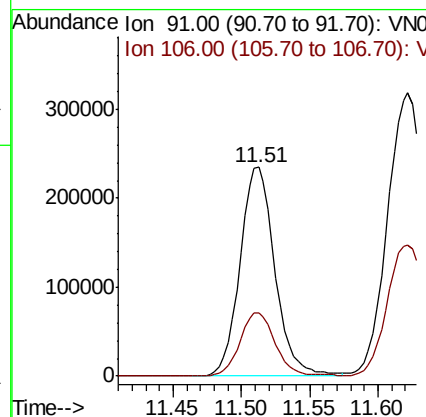
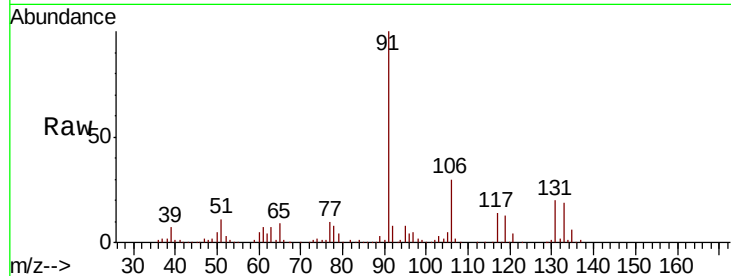




#67
Ethyl Benzene
Concen: 20.319 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

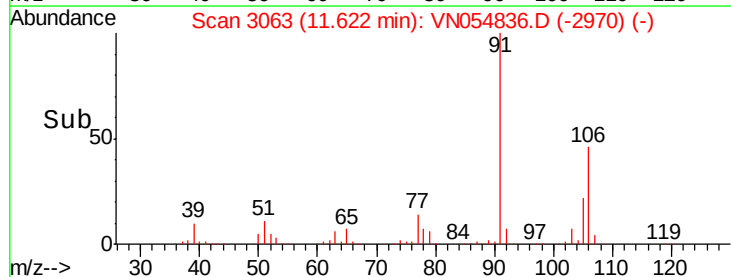
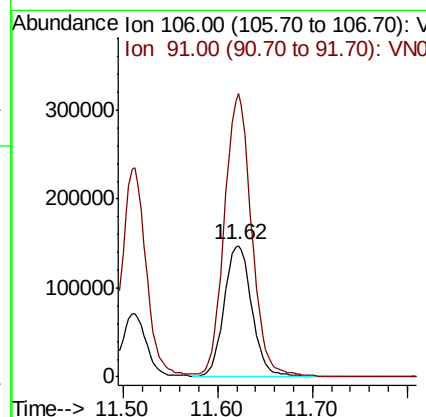
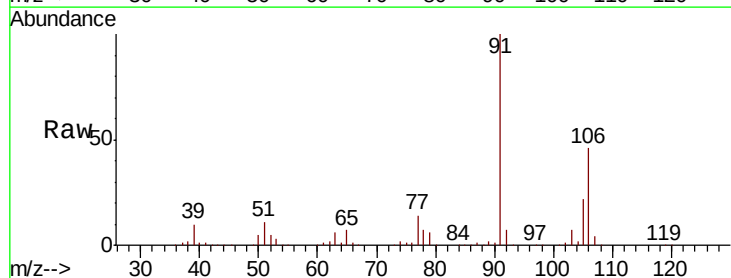
Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

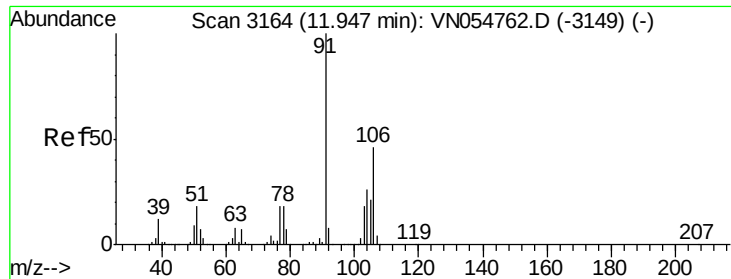
Tot Ion: 91 Resp: 417566
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 39.771 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 106 Resp: 302460
Ion Ratio Lower Upper
106 100
91 211.3 159.4 239.2

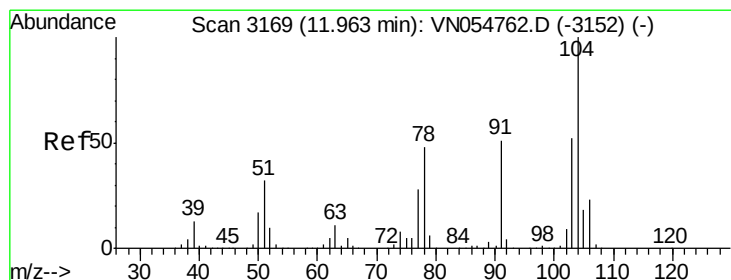
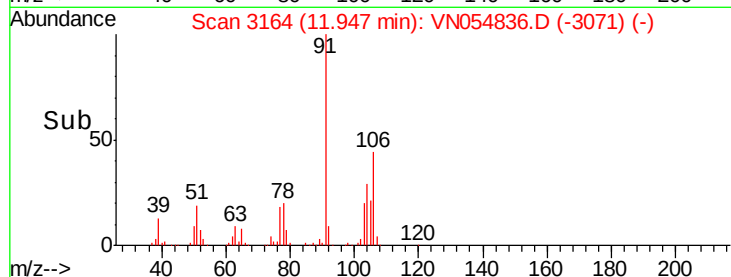
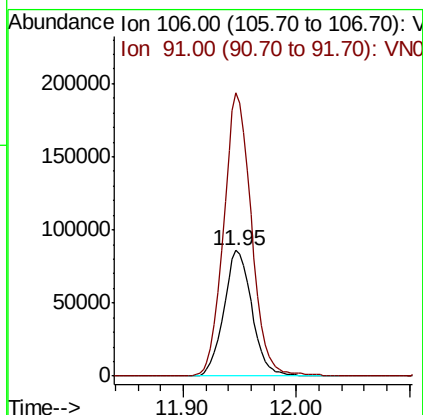
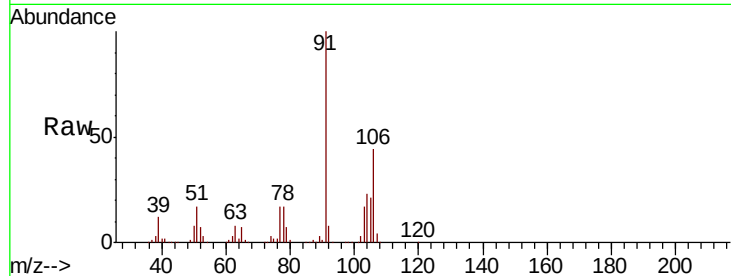




#69
o-Xylene
Concen: 19.964 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

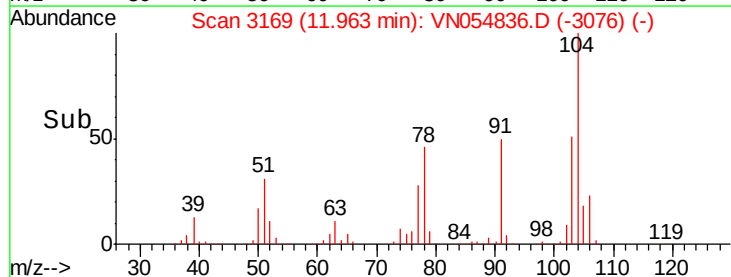
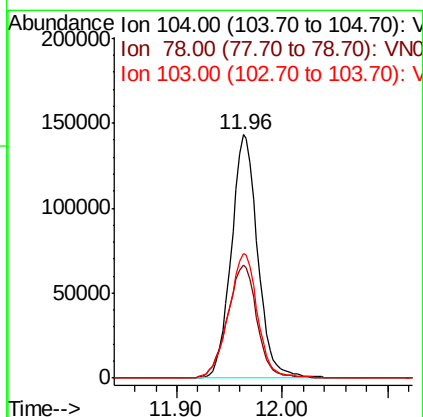
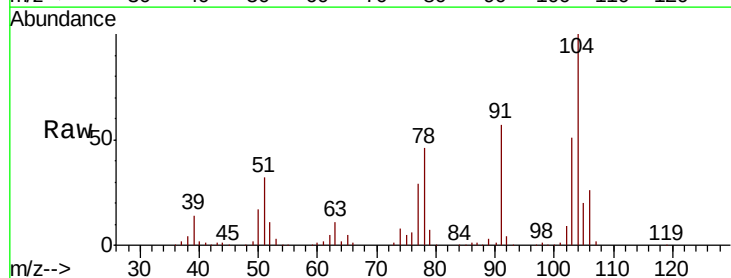
Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

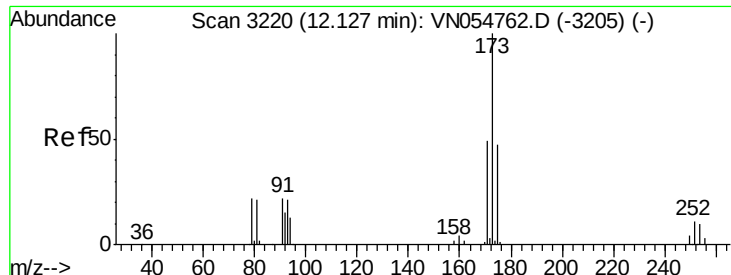
Tot Ion:106 Resp: 148884
Ion Ratio Lower Upper
106 100
91 222.4 105.7 317.1



#70
Styrene
Concen: 20.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:104 Resp: 247628
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.3 44.4 66.6





#71

Bromoform

Concen: 20.845 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

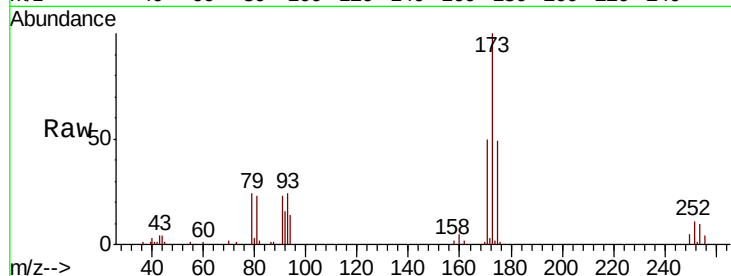
Tot Ion:173 Resp: 52055

Ion Ratio Lower Upper

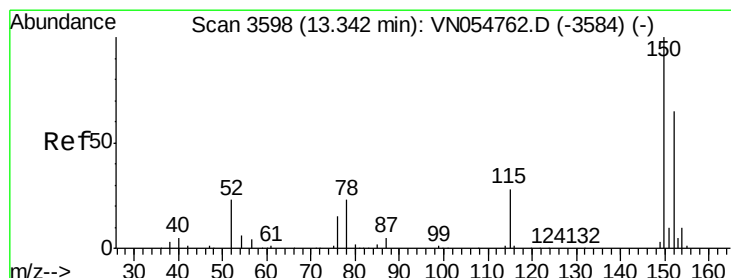
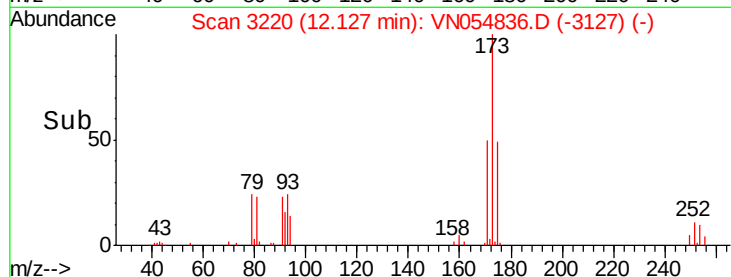
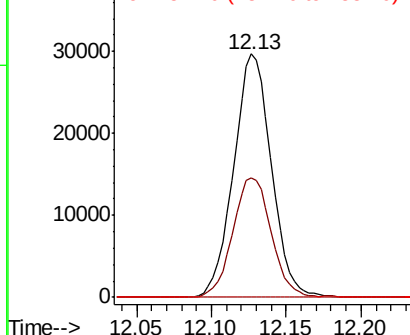
173 100

175 50.0 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

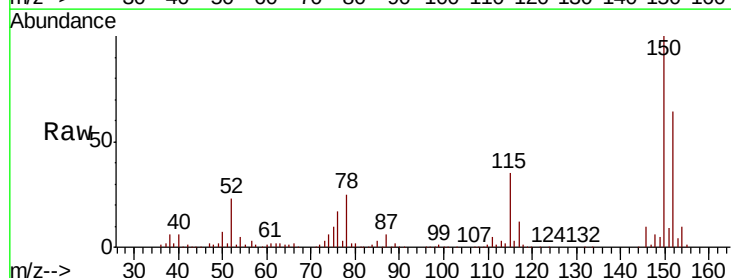
Tgt Ion:152 Resp: 235278

Ion Ratio Lower Upper

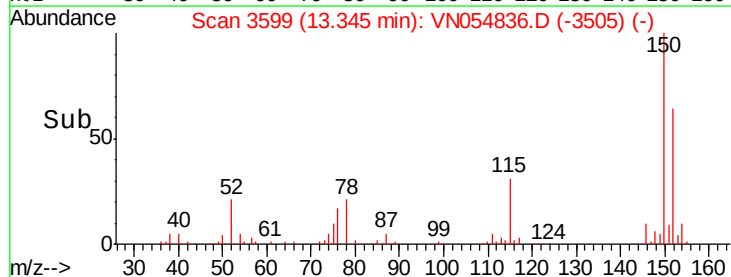
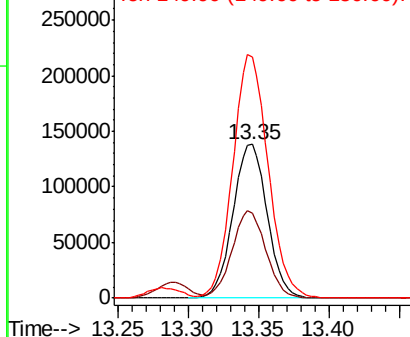
152 100

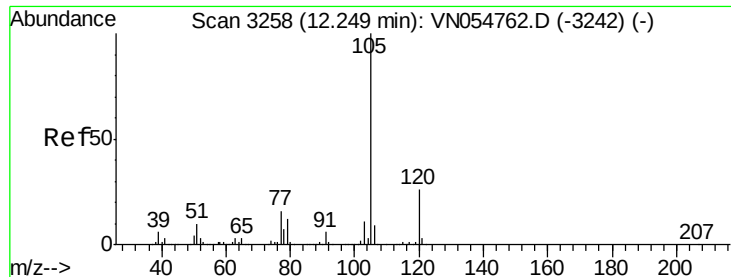
115 56.2 27.2 81.6

150 163.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

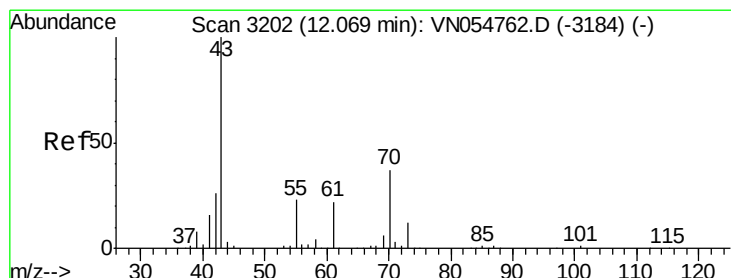
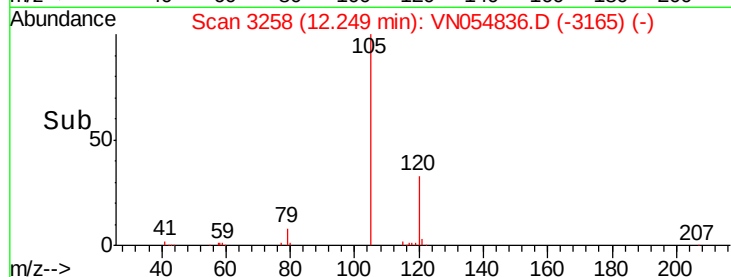
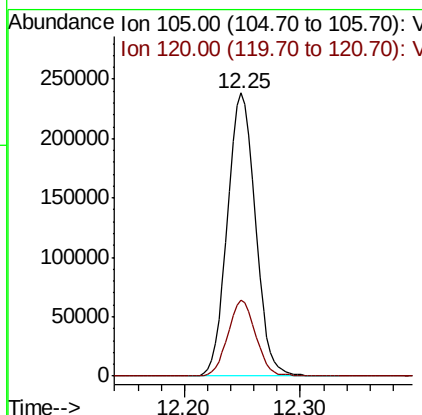
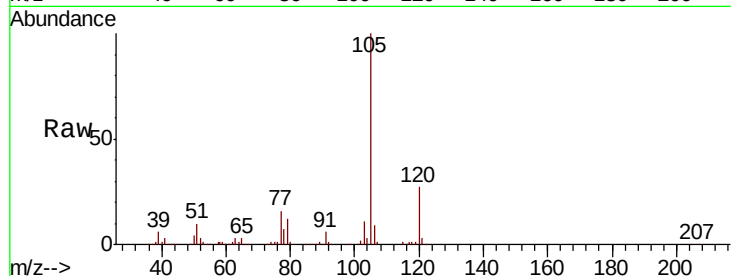




#73
Isopropylbenzene
Concen: 20.642 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

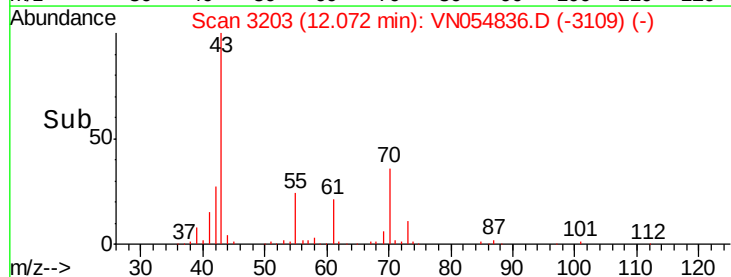
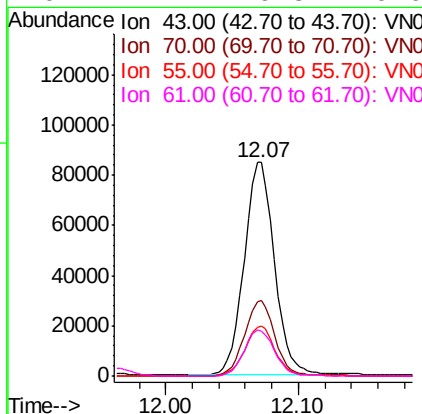
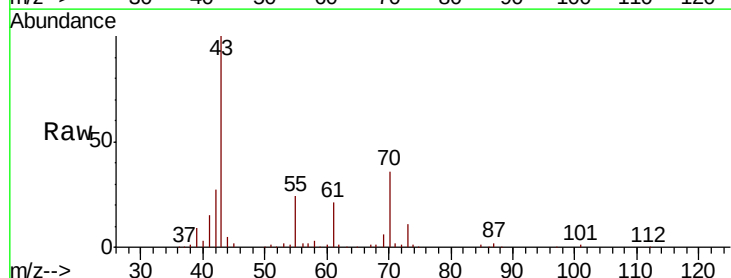
Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

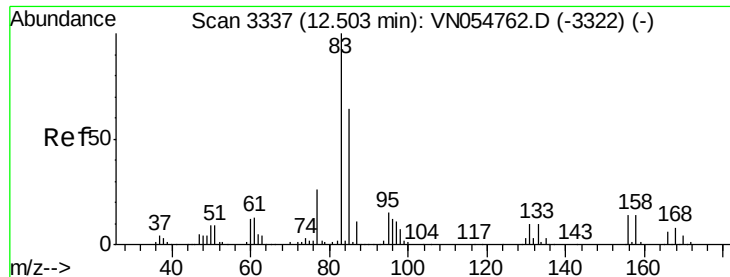
Tot Ion:105 Resp: 396960
Ion Ratio Lower Upper
105 100
120 26.6 13.8 41.3



#74
N-ethyl acetate
Concen: 22.525 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 134949
Ion Ratio Lower Upper
43 100
70 35.3 35.4 53.0#
55 23.5 19.8 29.6
61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.525 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

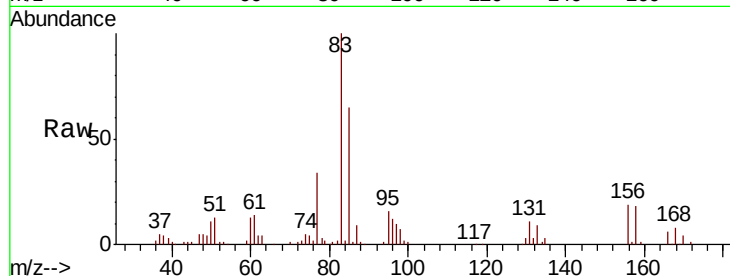
Tot Ion: 83 Resp: 107670

Ion Ratio Lower Upper

83 100

131 10.6 5.8 17.4

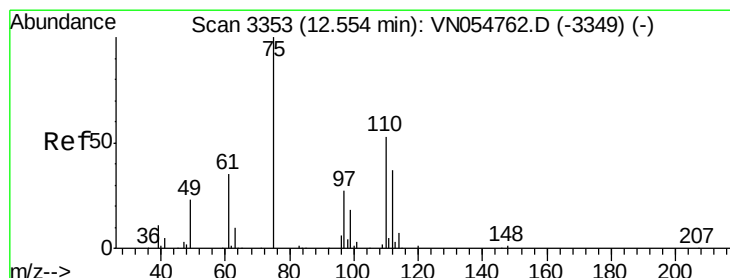
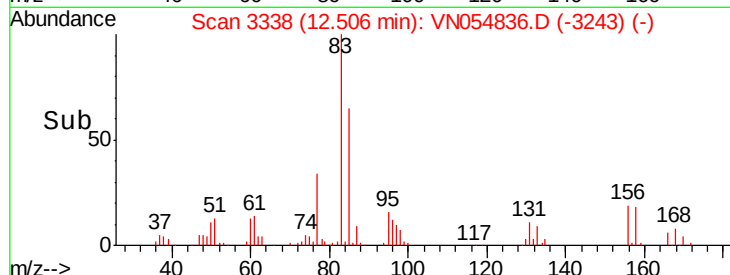
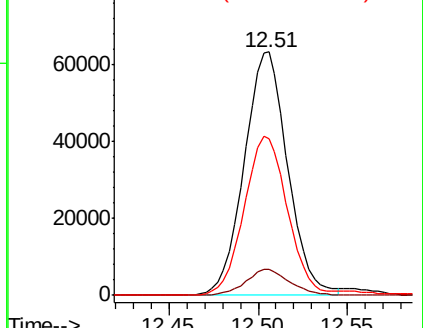
85 65.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.483 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054836.D

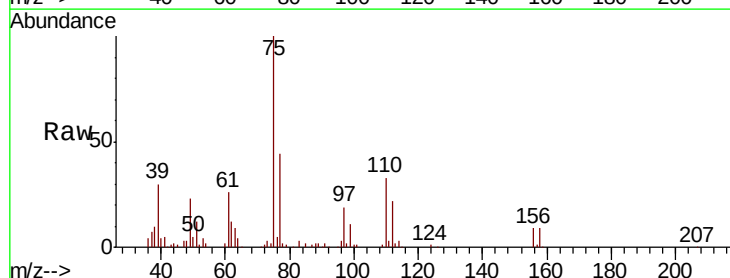
Acq: 31 Mar 2019 7:03

Tgt Ion: 75 Resp: 120507

Ion Ratio Lower Upper

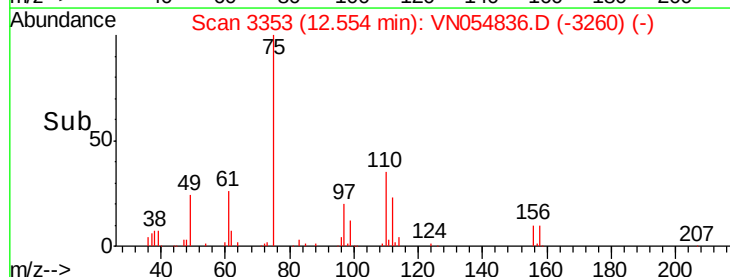
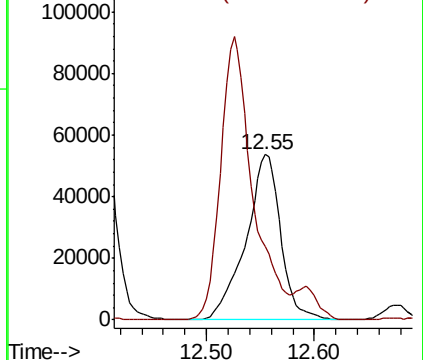
75 100

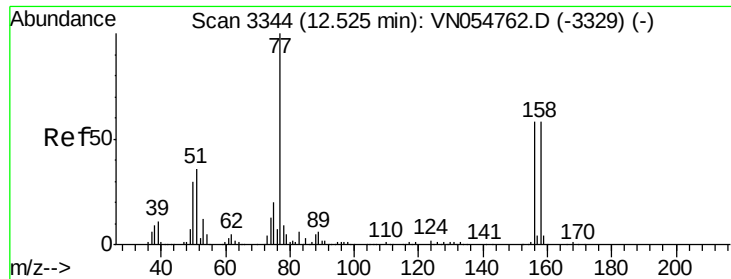
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.724 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

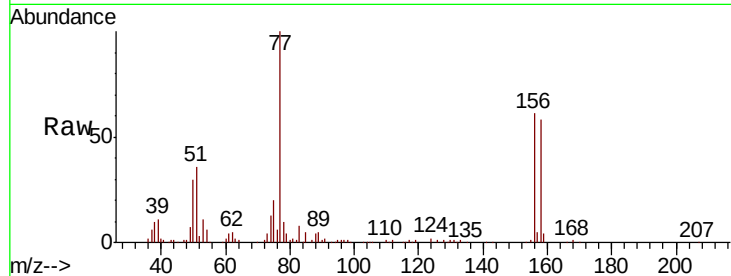
Tot Ion:156 Resp: 96184

Ion Ratio Lower Upper

156 100

77 198.1 81.5 244.4

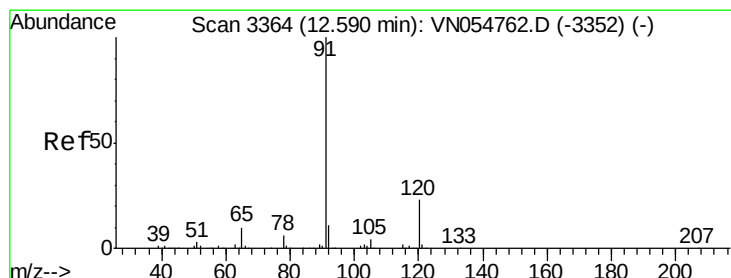
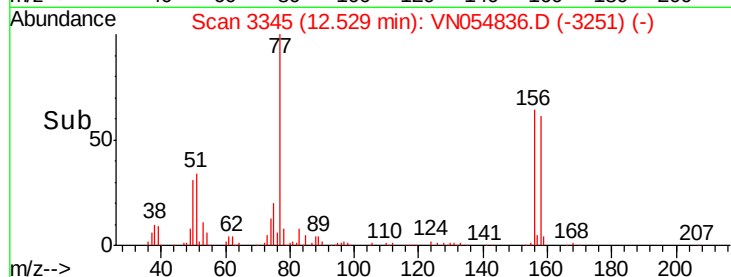
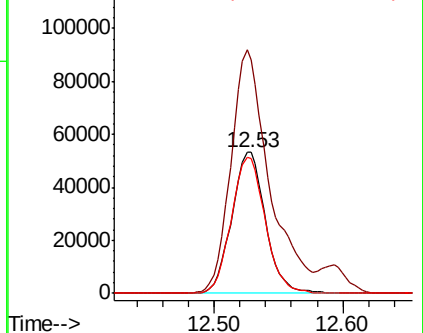
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.987 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054836.D

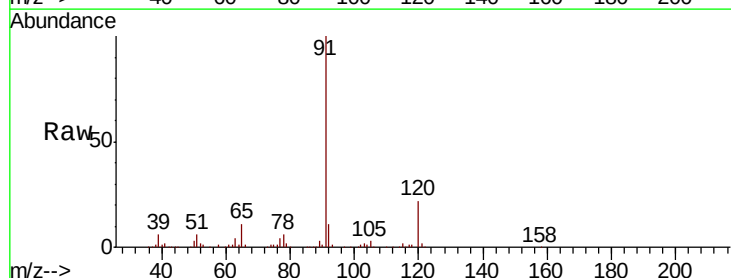
Acq: 31 Mar 2019 7:03

Tgt Ion: 91 Resp: 422455

Ion Ratio Lower Upper

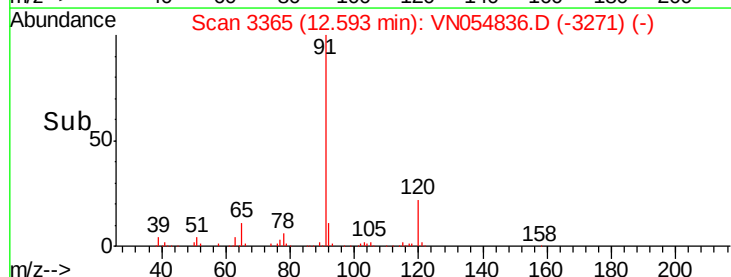
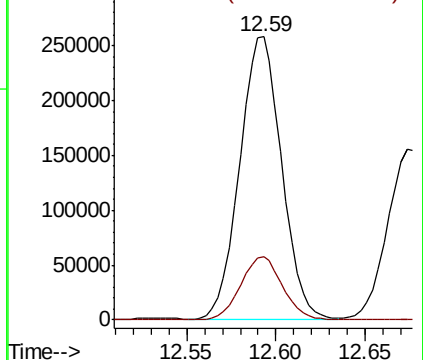
91 100

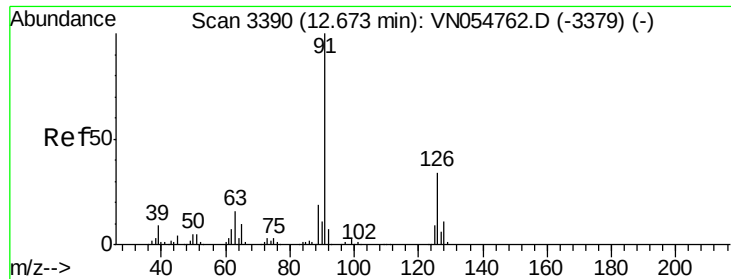
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

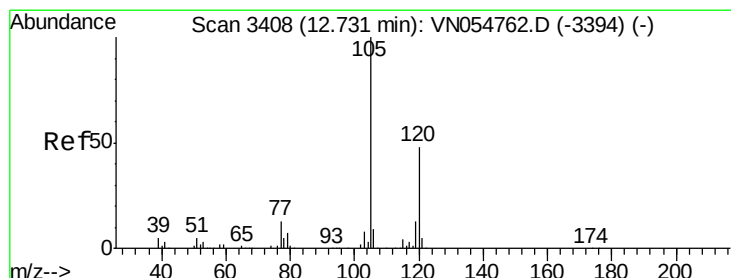
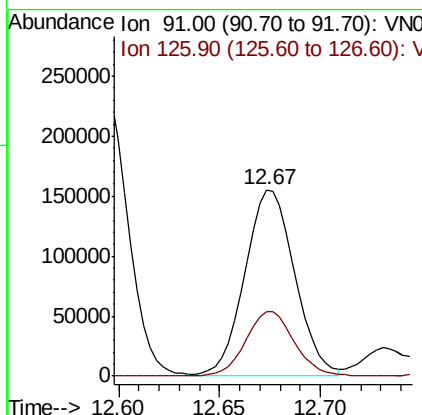
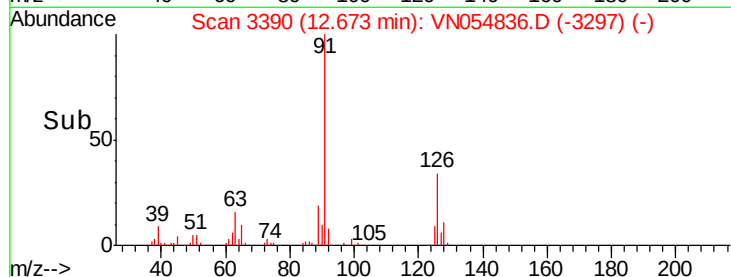
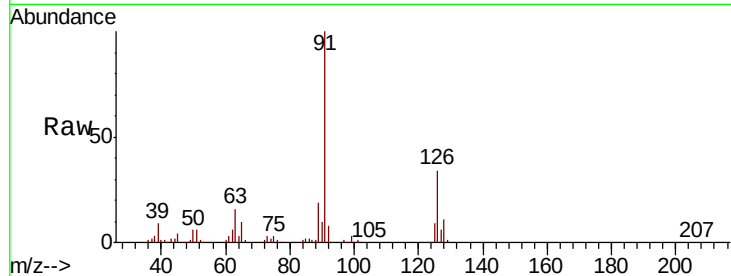




#79
 2-Chlorotoluene
 Concen: 20.477 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

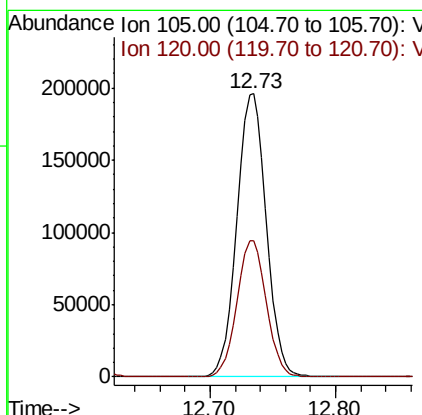
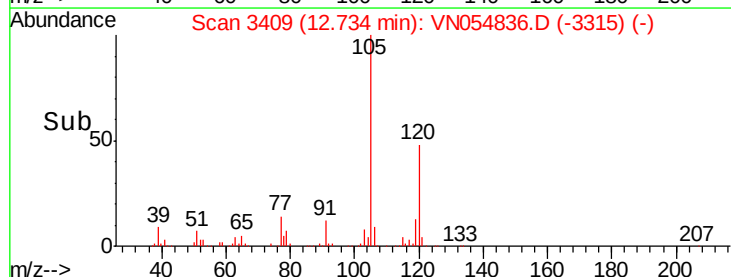
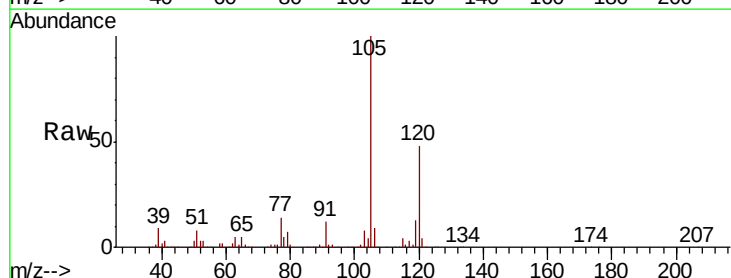
Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBSD02

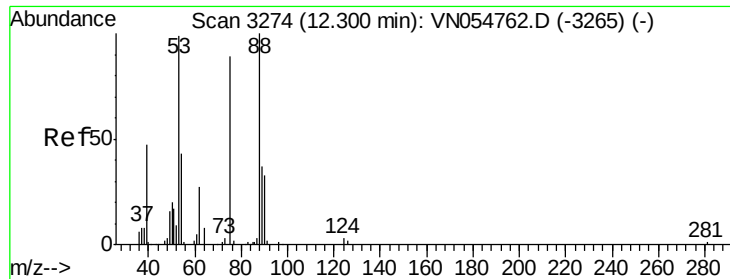
Tot Ion: 91 Resp: 267770
 Ion Ratio Lower Upper
 91 100
 126 34.1 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.246 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 105 Resp: 319471
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.488 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

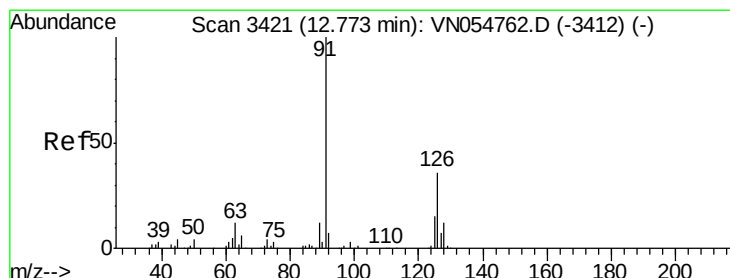
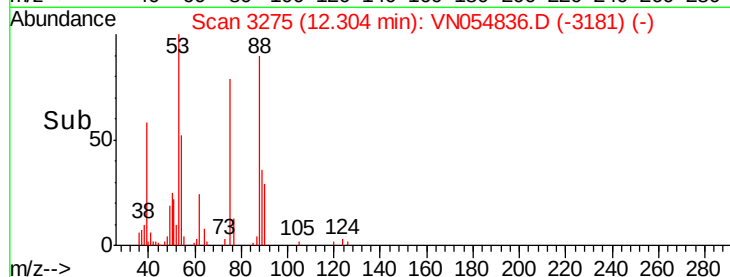
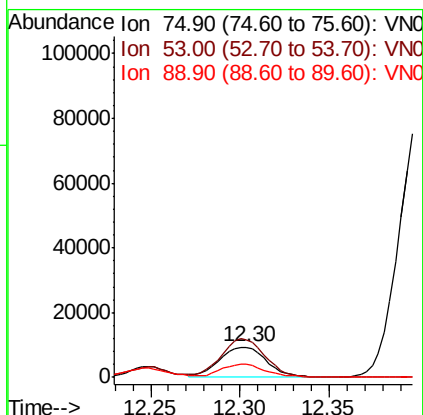
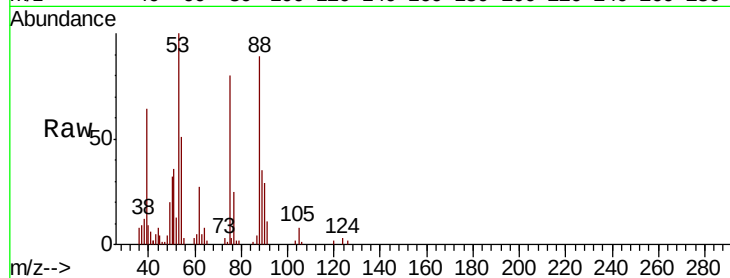
Tot Ion: 75 Resp: 17326

Ion Ratio Lower Upper

75 100

53 120.2 76.2 114.2#

89 40.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.183 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054836.D

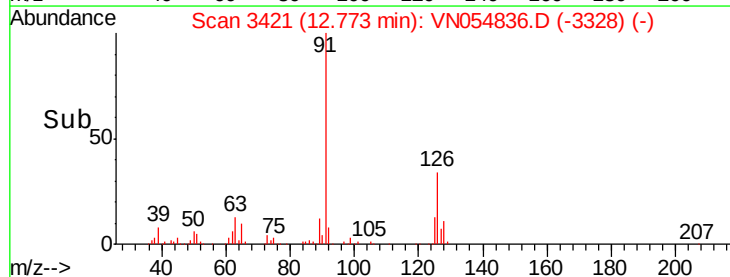
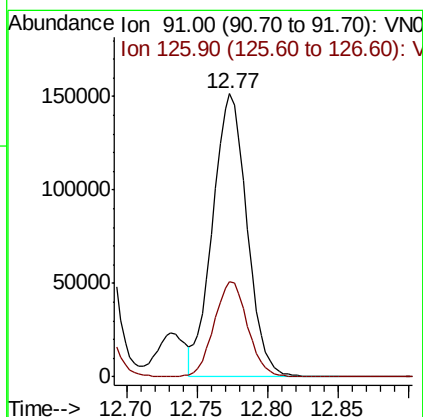
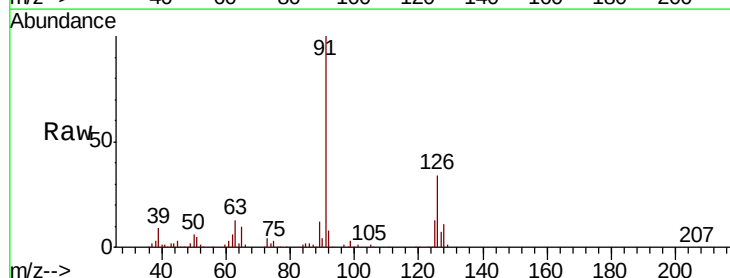
Acq: 31 Mar 2019 7:03

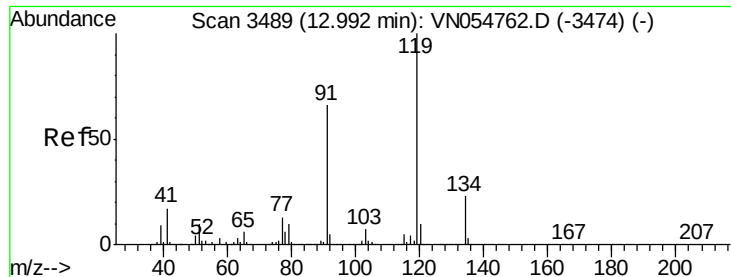
Tgt Ion: 91 Resp: 256345

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1

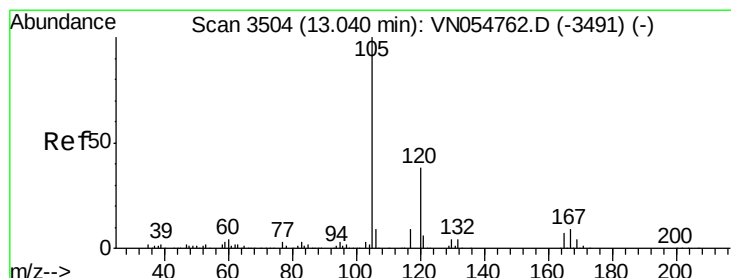
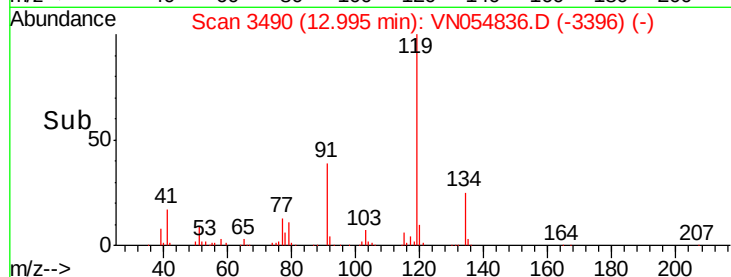
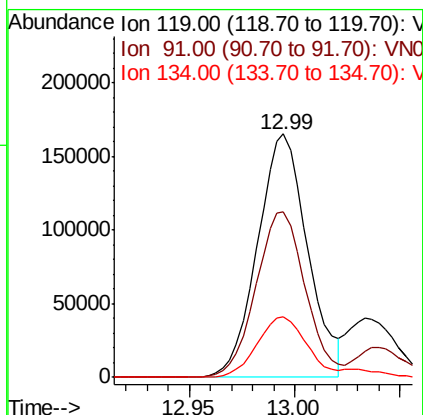
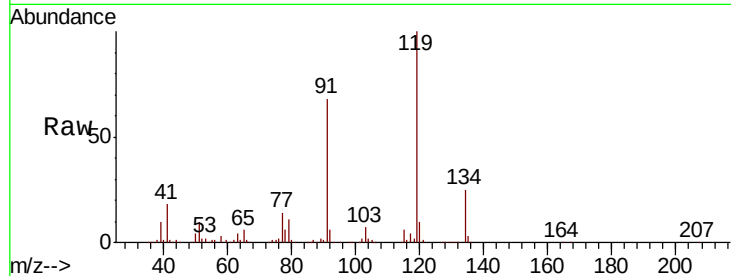




#83
tert-Butylbenzene
Concen: 21.142 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

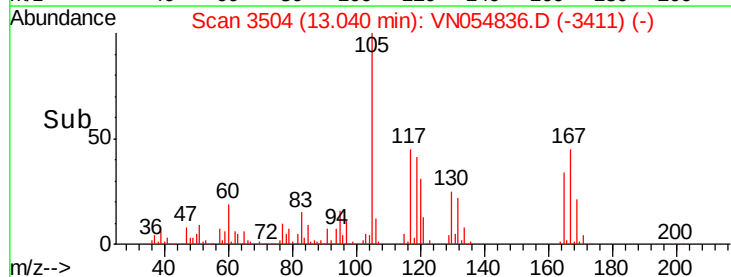
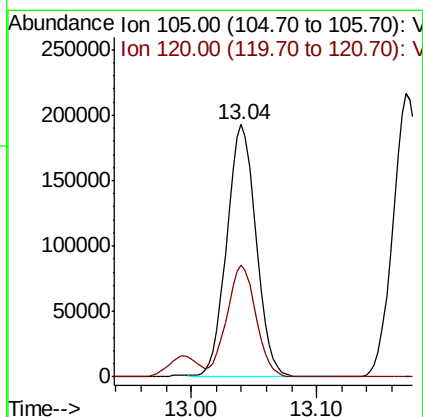
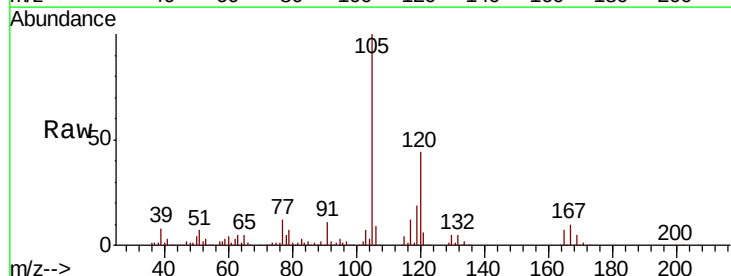
Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

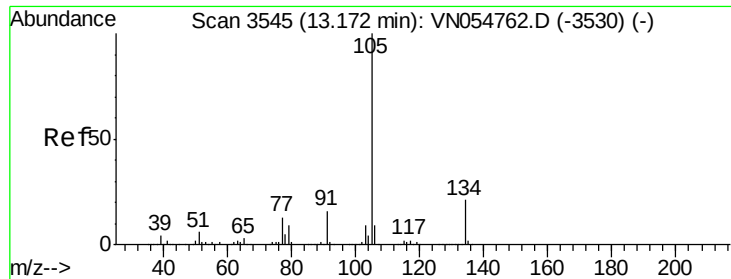
Tot Ion:119 Resp: 273213
Ion Ratio Lower Upper
119 100
91 67.4 30.9 92.8
134 24.9 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.790 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:105 Resp: 312530
Ion Ratio Lower Upper
105 100
120 44.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.026 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

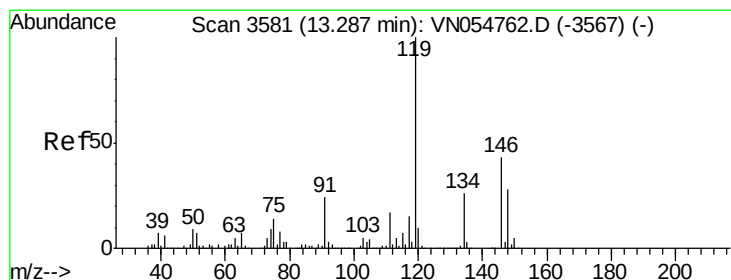
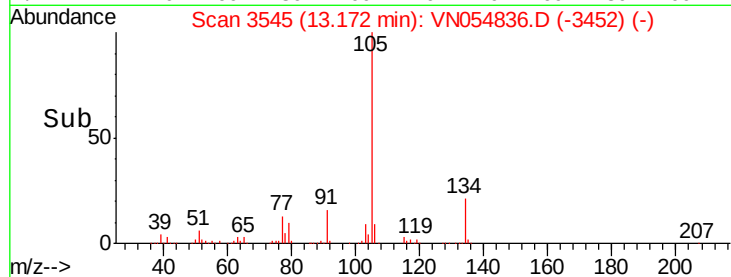
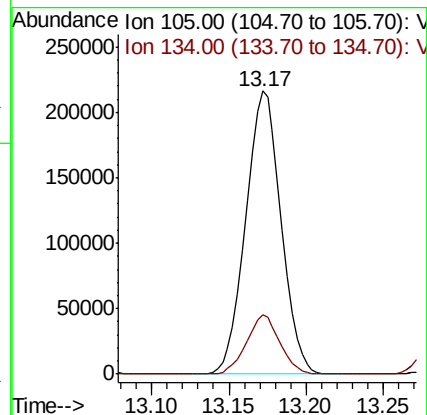
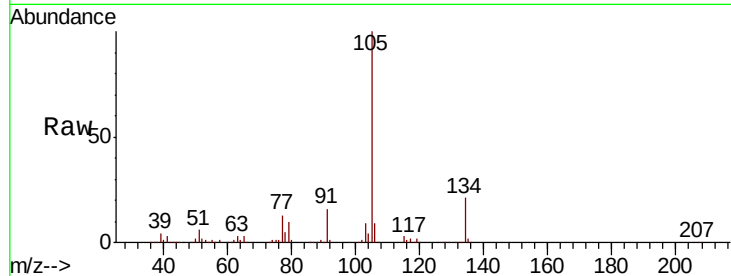
VN0330WBSD02

Tot Ion:105 Resp: 343270

Ion Ratio Lower Upper

105 100

134 19.6 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.042 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

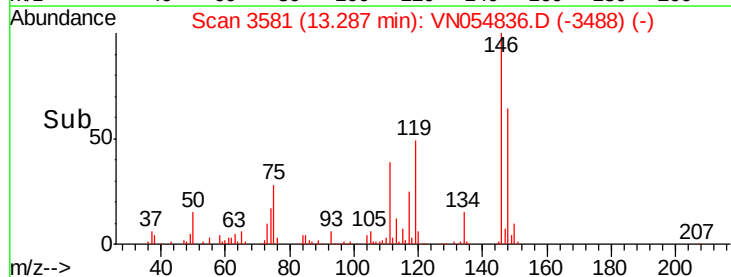
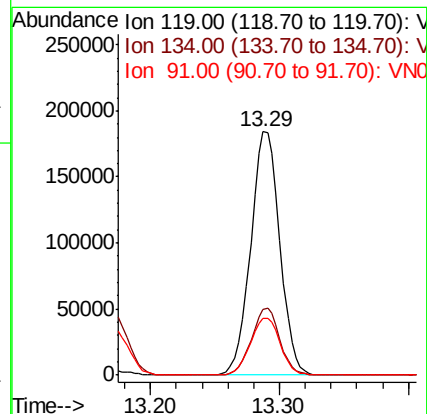
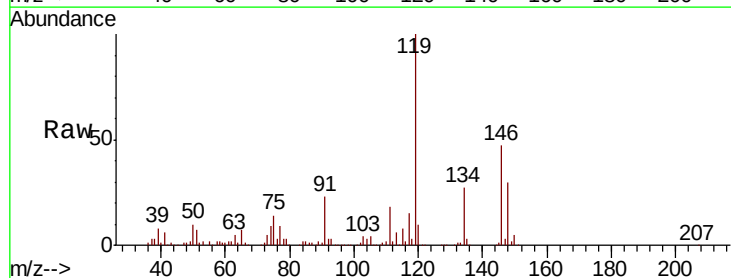
Tgt Ion:119 Resp: 287890

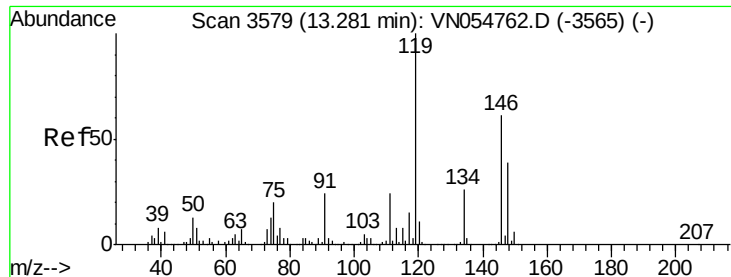
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.167 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

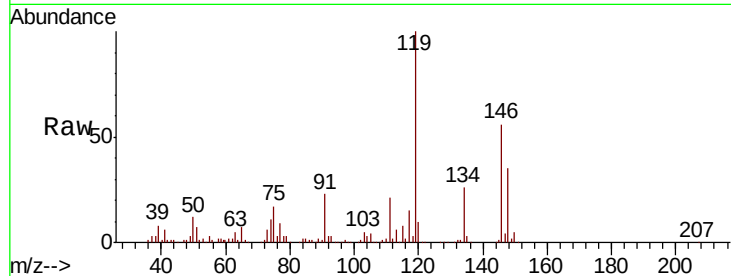
Tot Ion:146 Resp: 156709

Ion Ratio Lower Upper

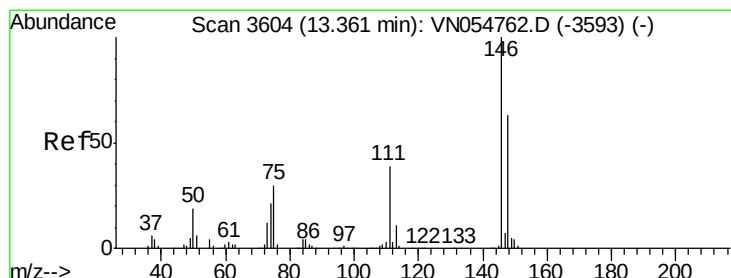
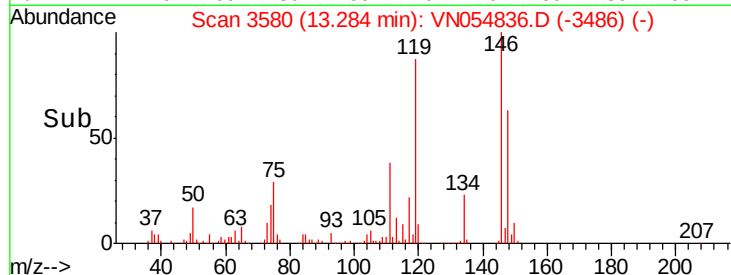
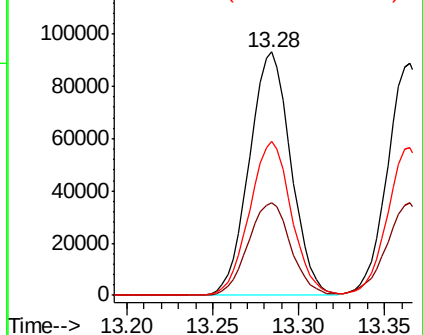
146 100

111 39.1 18.8 56.3

148 63.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.508 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

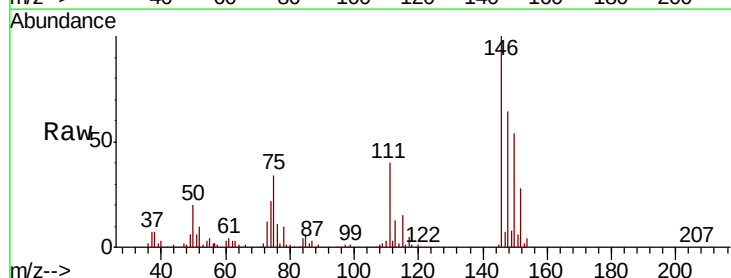
Tgt Ion:146 Resp: 148674

Ion Ratio Lower Upper

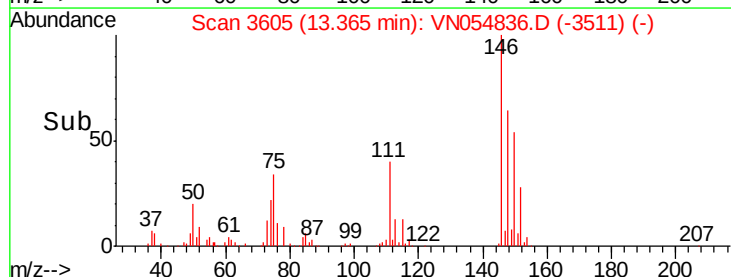
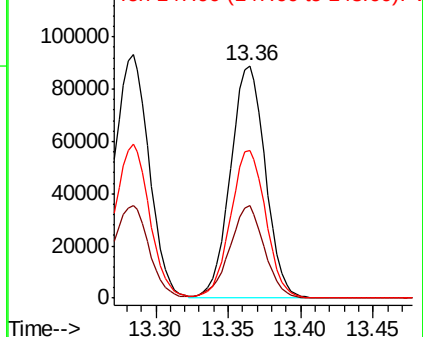
146 100

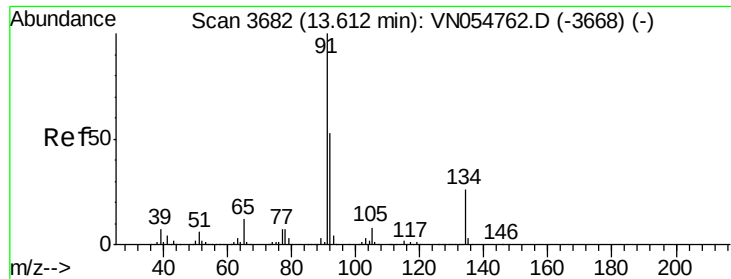
111 39.8 18.1 54.1

148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.109 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

VN0330WBSD02

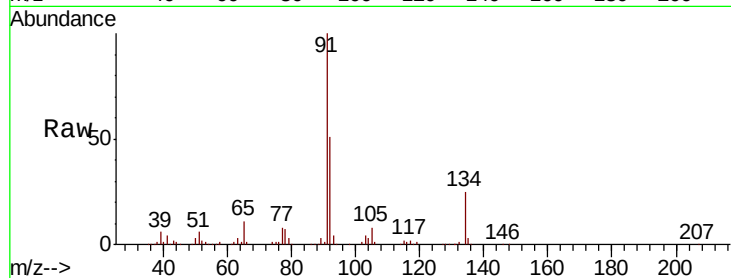
Tot Ion: 91 Resp: 211035

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 25.2 14.3 42.9



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

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

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

13.62

150000

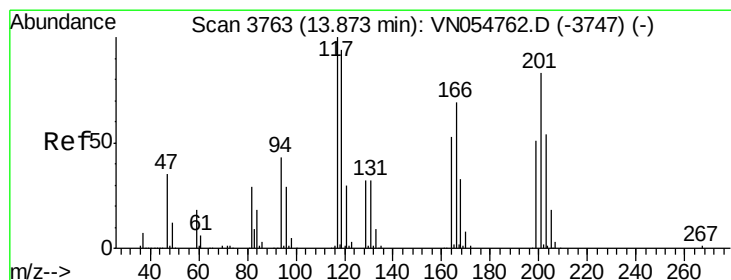
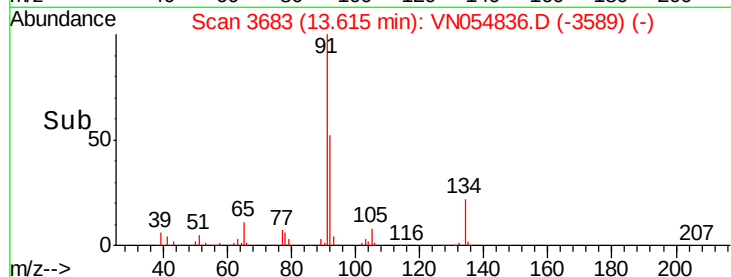
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 19.144 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054836.D

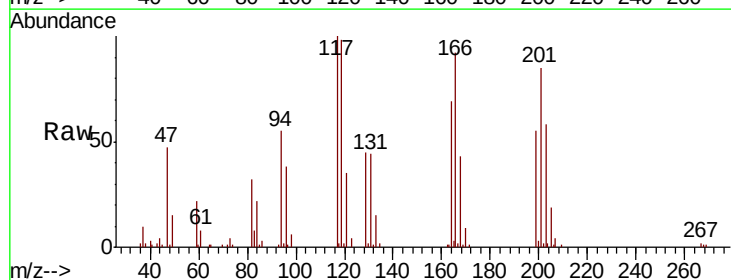
Acq: 31 Mar 2019 7:03

Tgt Ion: 117 Resp: 49140

Ion Ratio Lower Upper

117 100

201 85.5 48.1 144.4



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

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

13.87

30000

25000

20000

15000

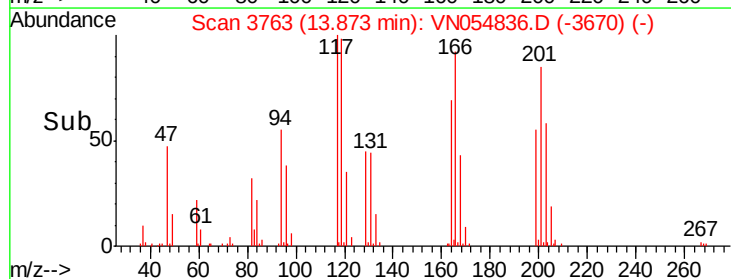
10000

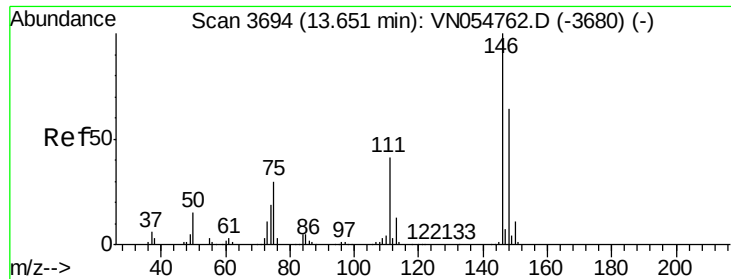
5000

0

13.80 13.85 13.90

Time-->

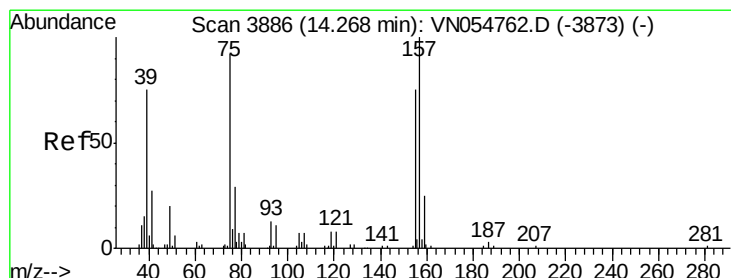
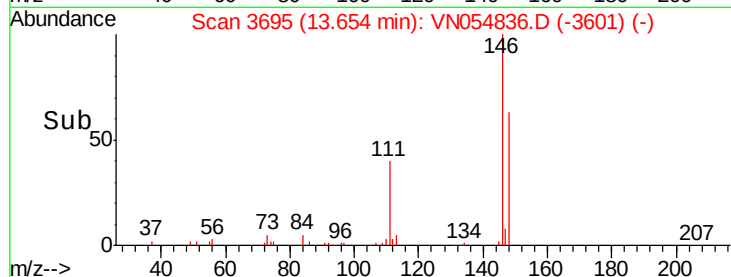
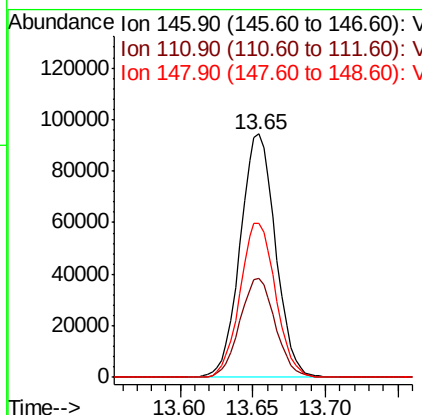
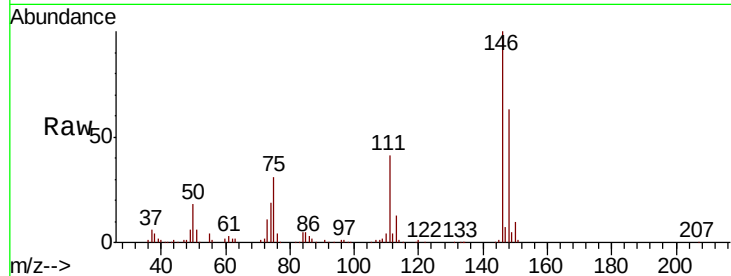




#91
 1,2-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

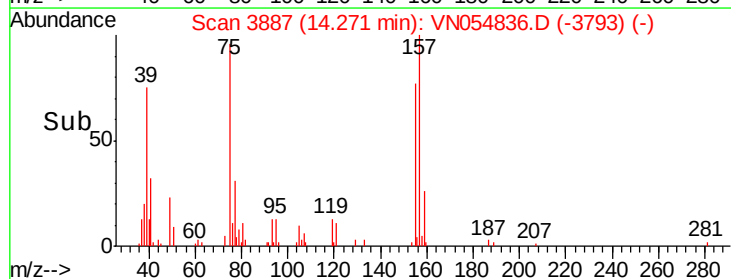
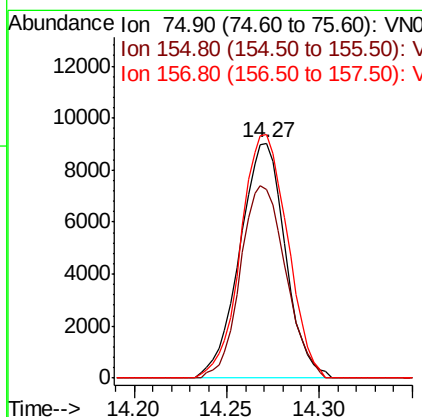
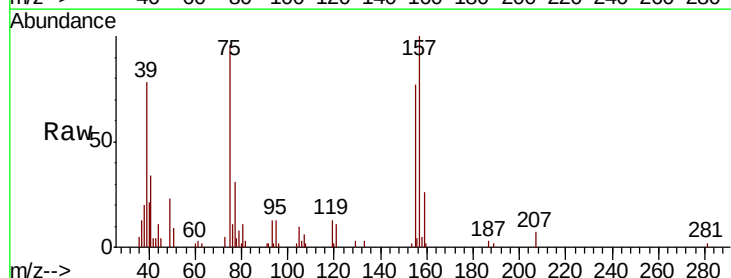
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

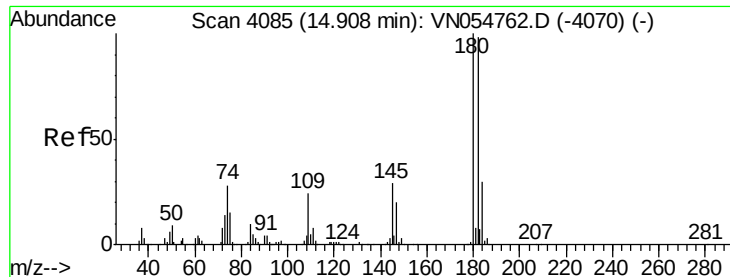
Tot Ion:146 Resp: 159586
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.1 57.3
 148 63.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 75 Resp: 15416
 Ion Ratio Lower Upper
 75 100
 155 81.3 50.1 150.3
 157 106.4 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.238 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

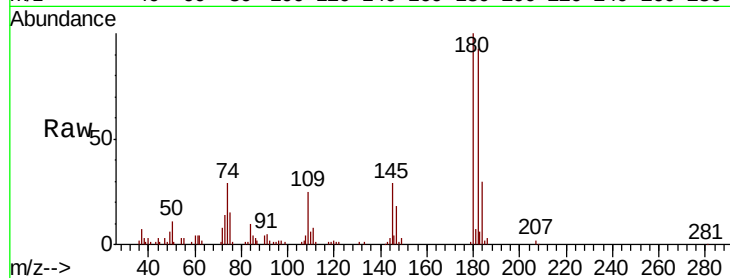
Tot Ion:180 Resp: 65174

Ion Ratio Lower Upper

180 100

182 92.9 48.0 144.2

145 28.9 14.2 42.8

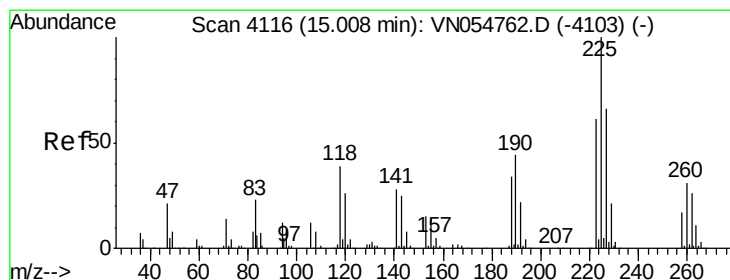
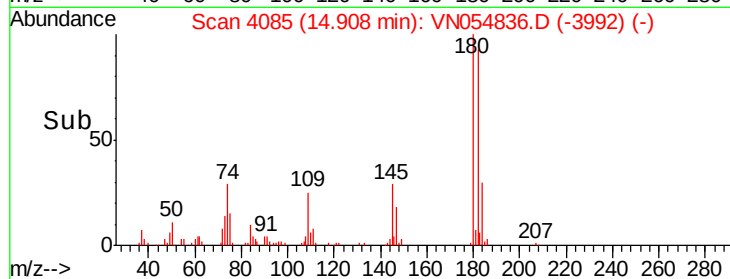
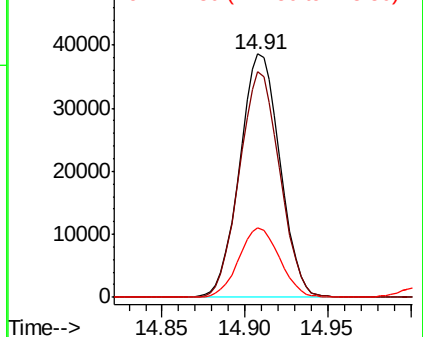


Abundance

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: 17.210 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

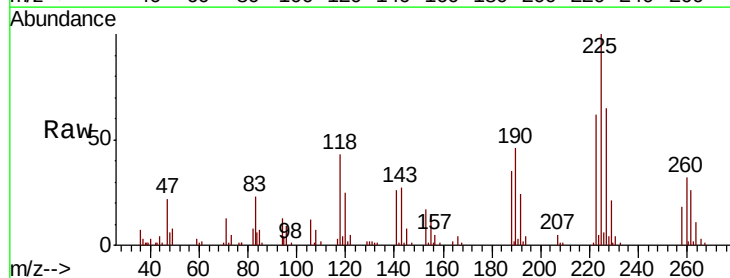
Tgt Ion:225 Resp: 41624

Ion Ratio Lower Upper

225 100

223 64.2 31.1 93.5

227 63.3 31.9 95.9

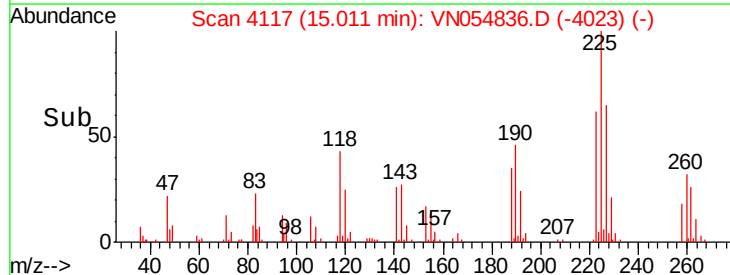
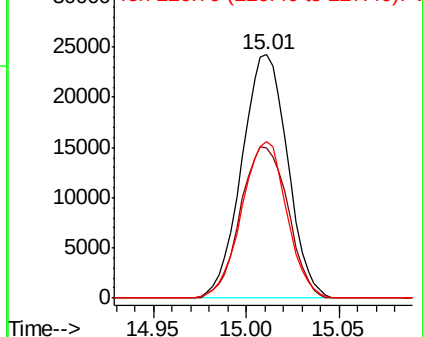


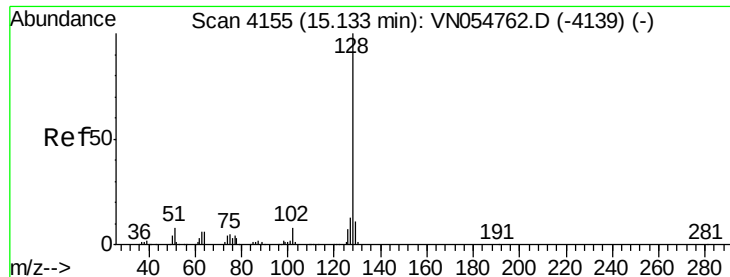
Abundance

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

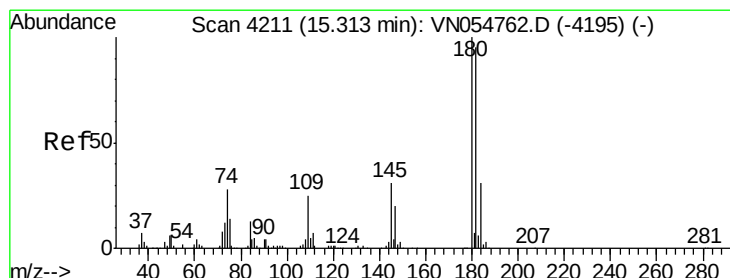
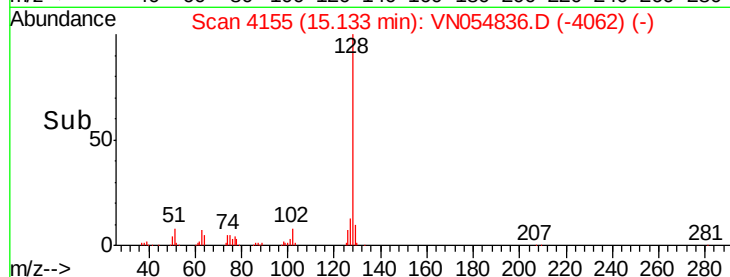
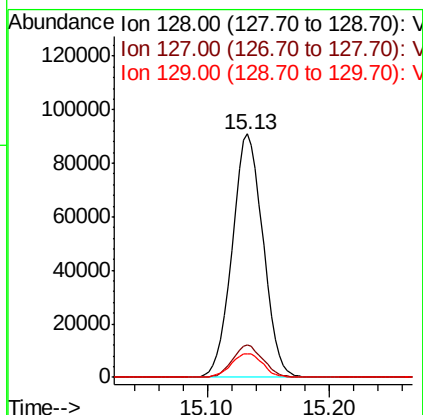
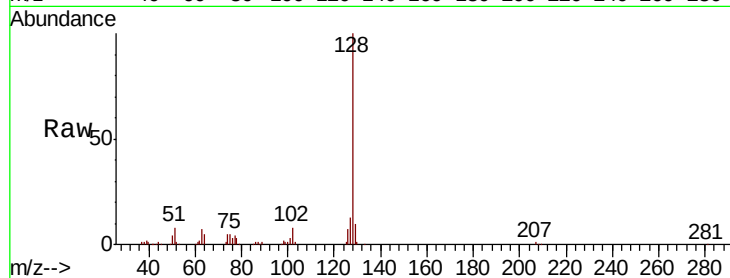




#95
Naphthalene
Concen: 18.825 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion:128 Resp: 159629
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.268 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:180 Resp: 69752
Ion Ratio Lower Upper
180 100
182 97.5 47.5 142.6
145 30.2 14.8 44.3

