

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054801.D
 Acq On : 30 Mar 2019 14:39
 Operator : JC/SP
 Sample : VN0330MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

Quant Time: Mar 30 22:39:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	714118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	309155	55.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.46%	
35) Dibromofluoromethane	7.59	113	235696	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.09	98	877065	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	284310	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	83138	19.972	ug/l	98
3) Chloromethane	2.06	50	117512	20.417	ug/l	100
4) Vinyl Chloride	2.19	62	106347	20.575	ug/l	100
5) Bromomethane	2.58	94	63418	22.151	ug/l	94
6) Chloroethane	2.71	64	57151	19.802	ug/l	93
7) Trichlorofluoromethane	3.02	101	132428	20.840	ug/l	99
8) Diethyl Ether	3.41	74	44587	21.790	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68627	20.515	ug/l	95
10) Methyl Iodide	3.94	142	95898	20.941	ug/l #	88
11) Tert butyl alcohol	4.82	59	39785	137.646	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	68337	21.125	ug/l #	70
13) Acrolein	3.61	56	34903	135.075	ug/l	98
14) Allyl chloride	4.32	41	163054	20.464	ug/l #	92
15) Acrylonitrile	5.00	53	197636	123.017	ug/l	99
16) Acetone	3.82	43	143560	108.519	ug/l #	80
17) Carbon Disulfide	4.04	76	197978	18.869	ug/l	97
18) Methyl Acetate	4.34	43	90010	25.675	ug/l #	68
19) Methyl tert-butyl Ether	5.06	73	261060	23.071	ug/l	96
20) Methylene Chloride	4.54	84	101290	21.706	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	89932	21.165	ug/l	86
22) Diisopropyl ether	5.96	45	349227	22.160	ug/l #	94
23) Vinyl Acetate	5.90	43	1275944	116.344	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	183908	21.877	ug/l	98
25) 2-Butanone	6.85	43	249876	127.781	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	111087	18.853	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	104681	21.809	ug/l	89
28) Bromochloromethane	7.20	49	100867	23.995	ug/l #	68
29) Tetrahydrofuran	7.23	42	170211	125.322	ug/l #	84
30) Chloroform	7.37	83	178015	22.207	ug/l	98
31) Cyclohexane	7.65	56	172661	21.361	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	145689	21.931	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129469	19.457	ug/l	97
37) Ethyl Acetate	6.94	43	113357	23.230	ug/l	96
38) Carbon Tetrachloride	7.77	117	122650	18.977	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137177	18.751	ug/l	88
40) Benzene	8.04	78	395228	20.758	ug/l	99
41) Methacrylonitrile	7.18	41	67134	24.491	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	143414	21.095	ug/l	98
43) Isopropyl Acetate	8.17	43	183082	23.091	ug/l #	93
44) Trichloroethene	8.83	130	98855	20.001	ug/l	91
45) 1,2-Dichloropropane	9.12	63	111740	20.582	ug/l	95
46) Dibromomethane	9.21	93	66011	21.614	ug/l	86
47) Bromodichloromethane	9.40	83	129122	20.343	ug/l	95
48) Methyl methacrylate	9.20	41	94381	21.959	ug/l	87
49) 1,4-Dioxane	9.21	88	21863	512.664	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	537964	120.680	ug/l	92
52) Toluene	10.16	92	229208	20.231	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	117457	19.672	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145939	20.462	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	90267	21.427	ug/l	97
56) Ethyl methacrylate	10.43	69	120588	21.821	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	154161	21.285	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	235161	105.049	ug/l	89
59) 2-Hexanone	10.75	43	333919	117.013	ug/l	90
60) Dibromochloromethane	10.90	129	87039	20.396	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86430	21.468	ug/l	100
64) Tetrachloroethene	10.63	164	98055	20.781	ug/l	97
65) Chlorobenzene	11.44	112	243175	20.199	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	89421	19.844	ug/l	98
67) Ethyl Benzene	11.51	91	444034	20.439	ug/l	96
68) m/p-Xylenes	11.62	106	320004	39.803	ug/l	95
69) o-Xylene	11.95	106	159074	20.178	ug/l	96
70) Styrene	11.97	104	261502	20.746	ug/l	98
71) Bromoform	12.13	173	53342	20.206	ug/l #	99
73) Isopropylbenzene	12.25	105	416420	20.113	ug/l	98
74) N-amyl acetate	12.07	43	142738	22.130	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	113500	23.977	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	131615	29.910	ug/l #	100
77) Bromobenzene	12.53	156	102538	20.521	ug/l	84
78) n-propylbenzene	12.59	91	453806	19.943	ug/l	97
79) 2-Chlorotoluene	12.68	91	281293	19.981	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	339880	20.007	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20650	18.254	ug/l #	75
82) 4-Chlorotoluene	12.77	91	276197	20.199	ug/l	96
83) tert-Butylbenzene	12.99	119	295283	21.233	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	330654	20.430	ug/l	97
85) sec-Butylbenzene	13.17	105	368643	19.976	ug/l	97
86) p-Isopropyltoluene	13.29	119	315698	19.396	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	165564	19.791	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	160014	19.502	ug/l	97
89) n-Butylbenzene	13.62	91	248073	18.681	ug/l	97
90) Hexachloroethane	13.88	117	50390	18.234	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	168306	19.935	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16954	23.954	ug/l	76

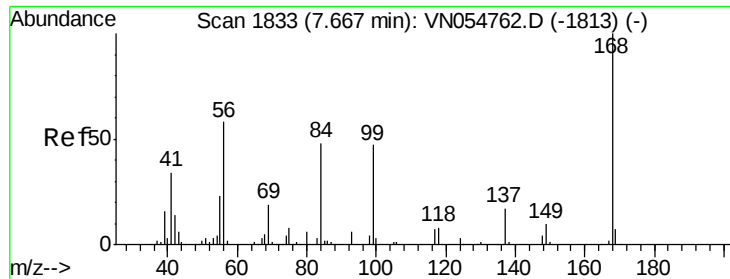
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73349	18.020	ug/l	99
94) Hexachlorobutadiene	15.01	225	47980	18.582	ug/l	98
95) Naphthalene	15.13	128	175890	19.267	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	77679	18.896	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

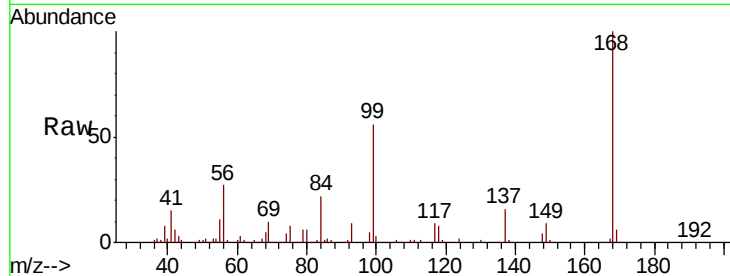
VN0330MBS01

Tot Ion:168 Resp: 411534

Ion Ratio Lower Upper

168 100

99 54.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054801.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054801.D (-1740) (-)

7.67

150000

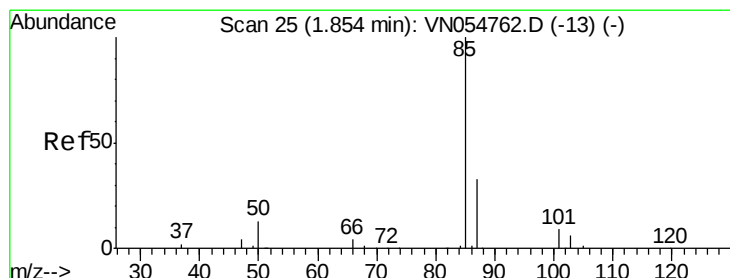
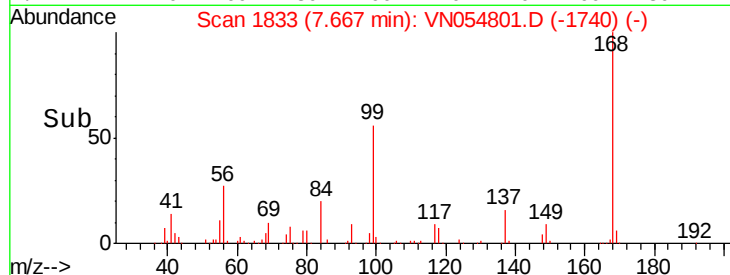
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.972 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054801.D

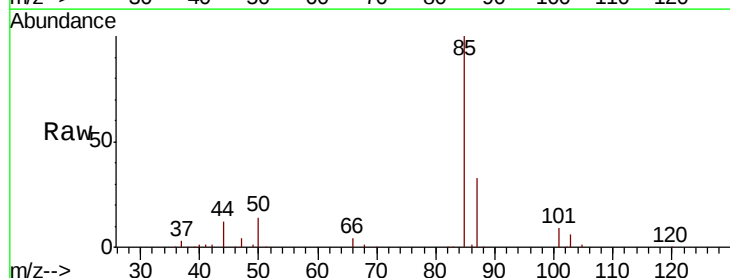
Acq: 30 Mar 2019 14:39

Tgt Ion: 85 Resp: 83138

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054801.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN054801.D (-1) (-)

1.85

60000

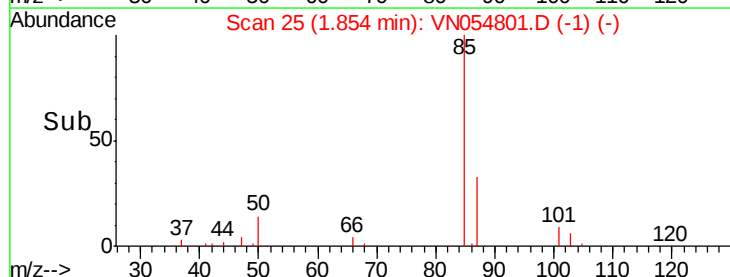
40000

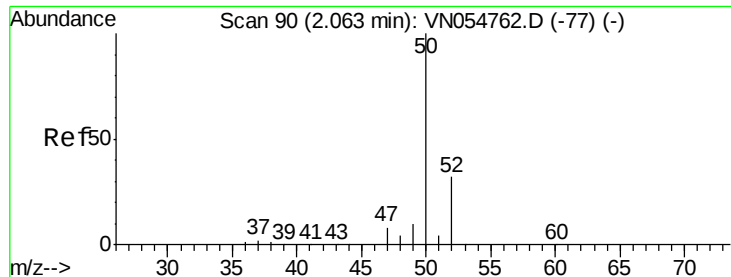
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.417 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

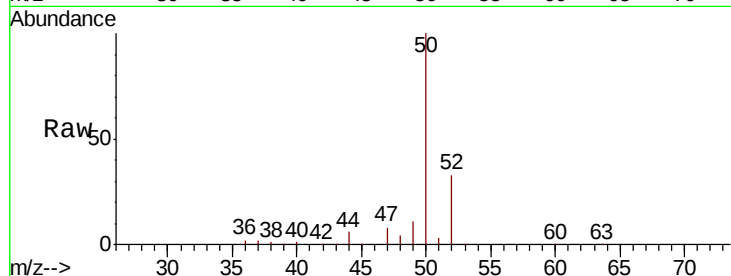
VN0330MBS01

Tot Ion: 50 Resp: 117512

Ion Ratio Lower Upper

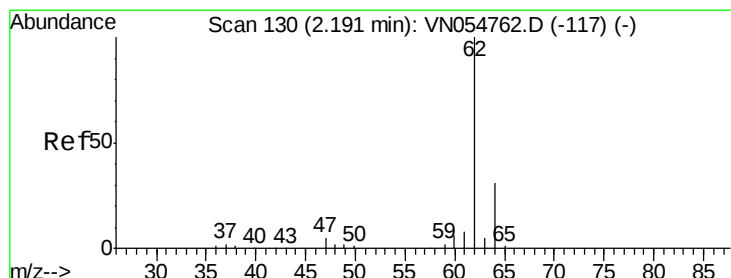
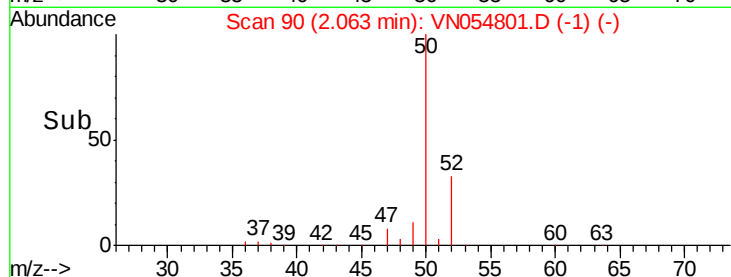
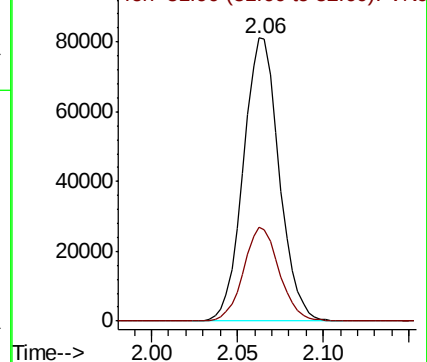
50 100

52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.575 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054801.D

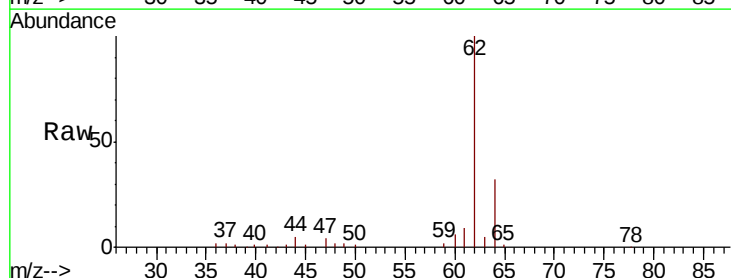
Acq: 30 Mar 2019 14:39

Tgt Ion: 62 Resp: 106347

Ion Ratio Lower Upper

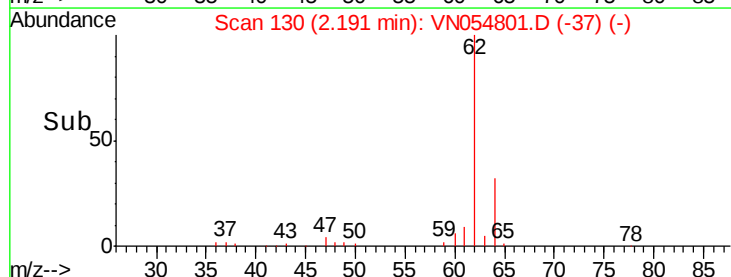
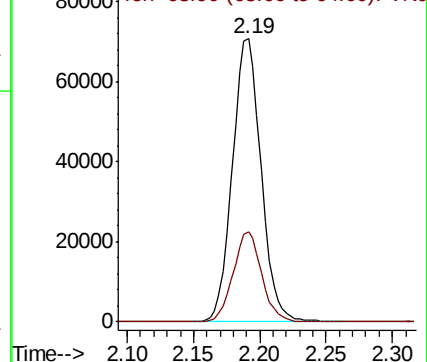
62 100

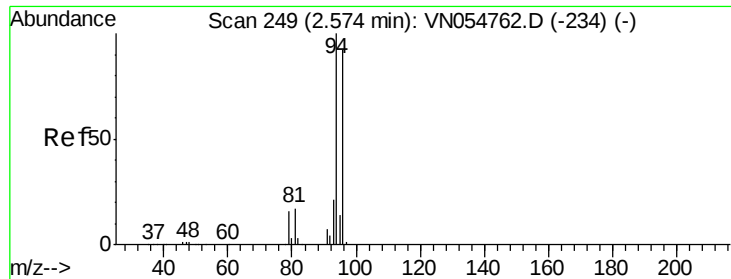
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.151 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

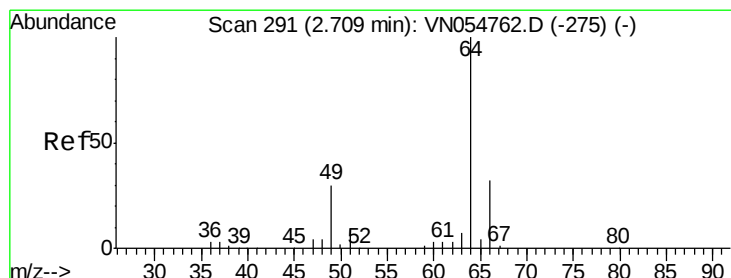
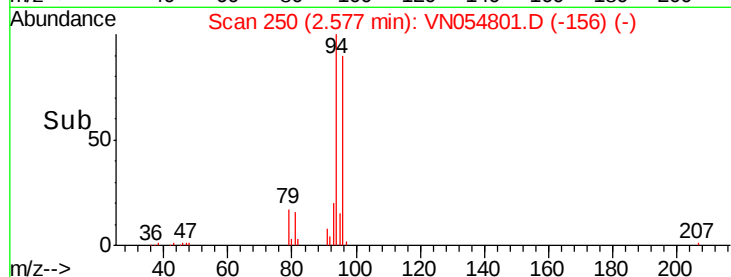
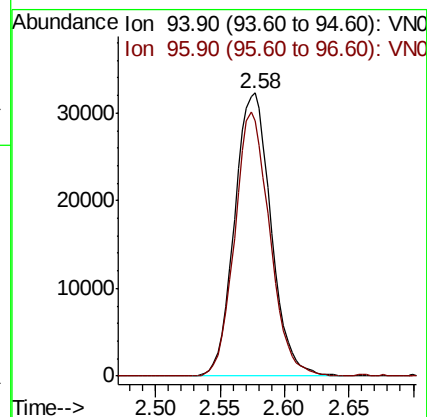
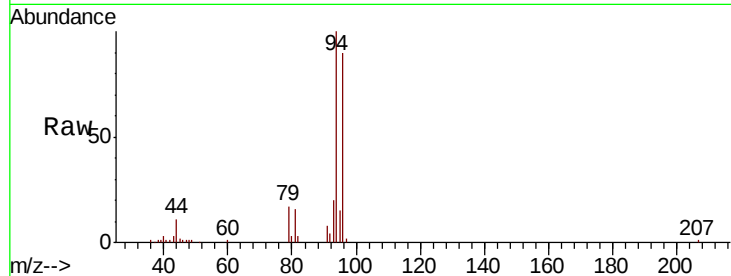
VN0330MBS01

Tot Ion: 94 Resp: 63418

Ion Ratio Lower Upper

94 100

96 90.1 77.0 115.4



#6

Chloroethane

Concen: 19.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054801.D

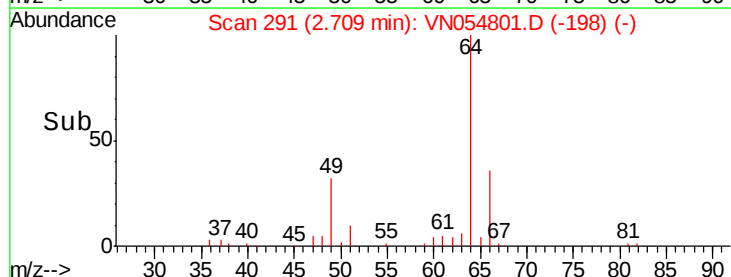
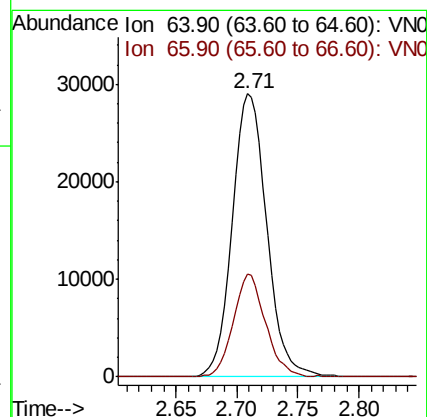
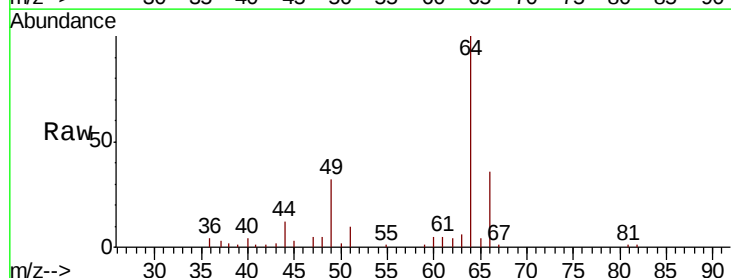
Acq: 30 Mar 2019 14:39

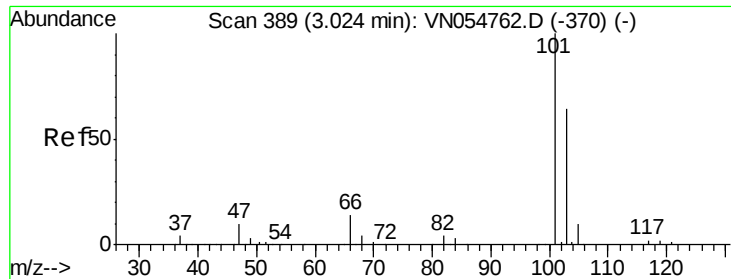
Tgt Ion: 64 Resp: 57151

Ion Ratio Lower Upper

64 100

66 36.2 25.7 38.5



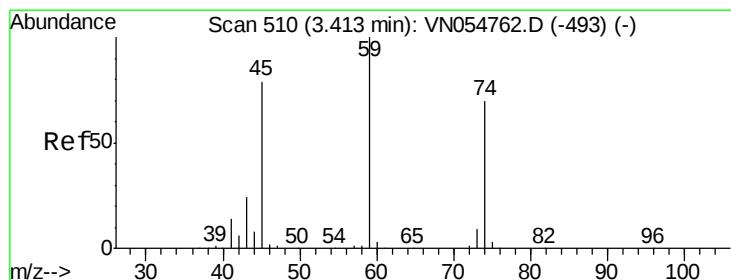
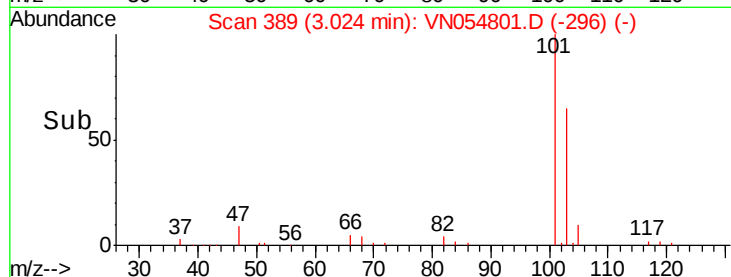
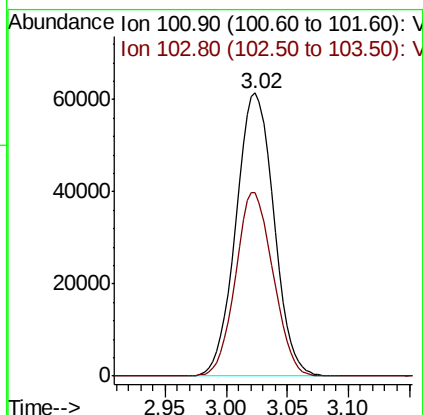
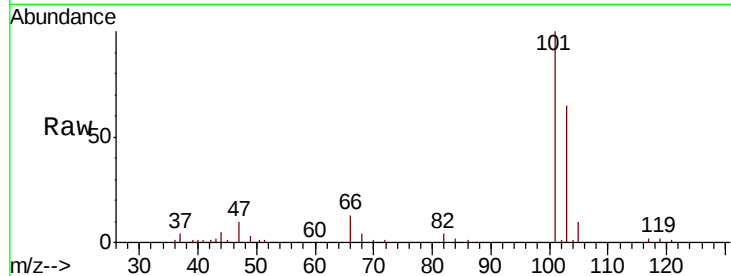


#7

Trichlorofluoromethane
 Concen: 20.840 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Instrument :
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 VN0330MBS01

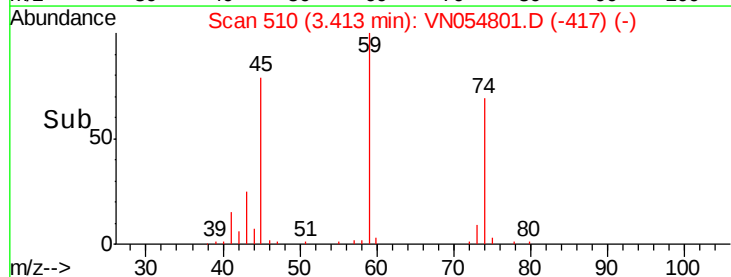
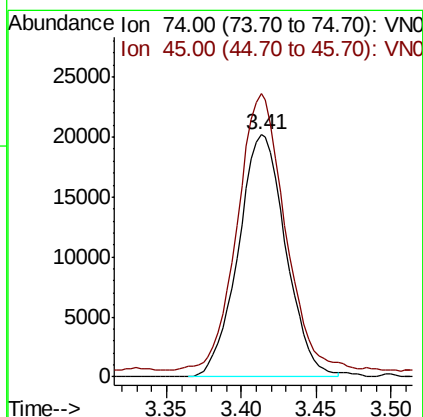
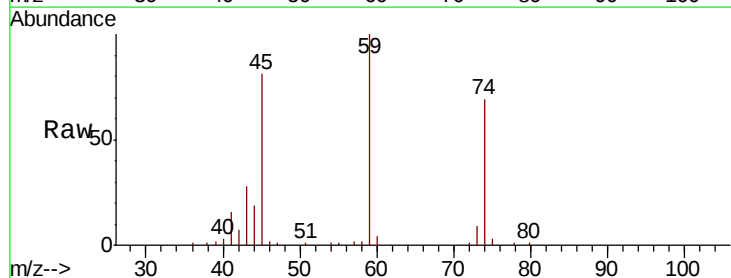
Tot Ion:101 Resp: 132428
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

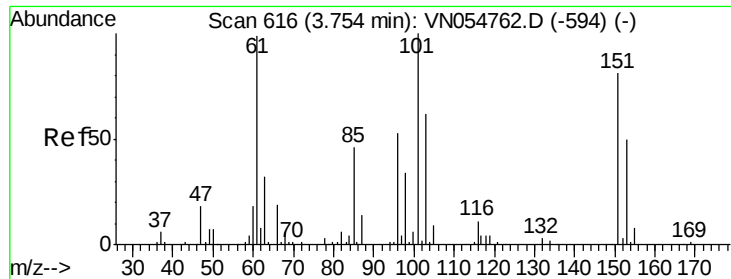


#8

Diethyl Ether
 Concen: 21.790 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 74 Resp: 44587
 Ion Ratio Lower Upper
 74 100
 45 116.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.515 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

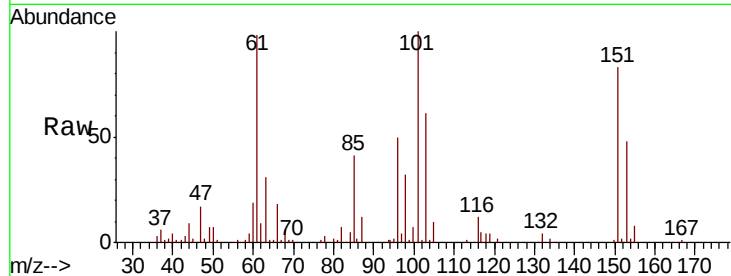
Tot Ion:101 Resp: 68627

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

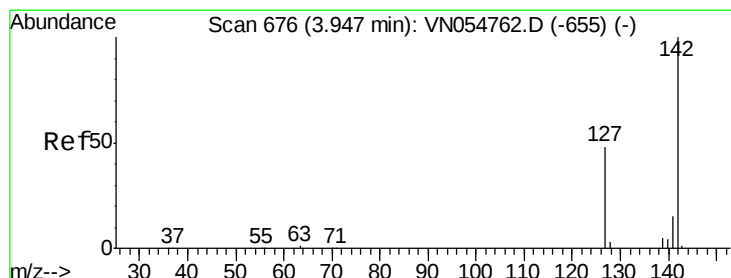
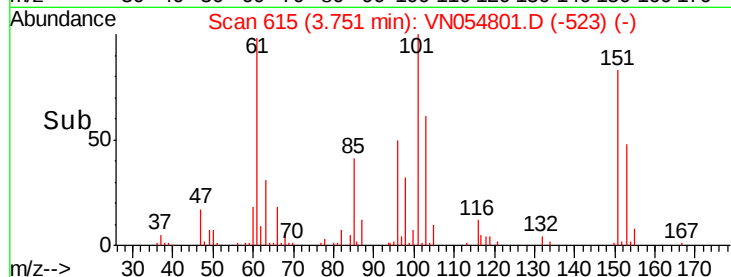
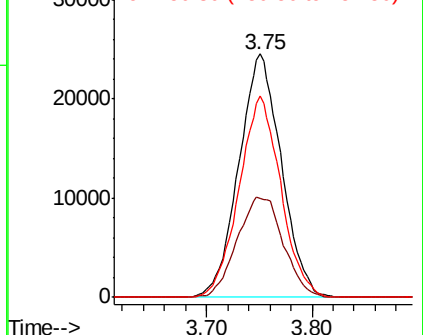
151 81.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.941 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

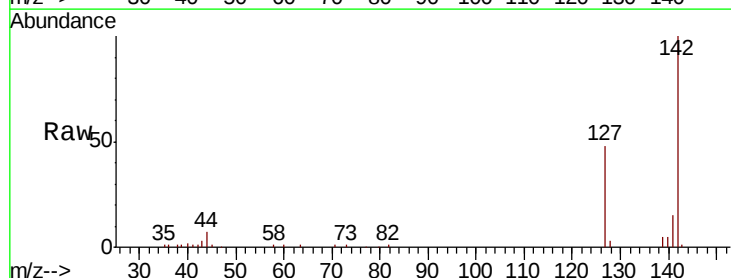
Tgt Ion:142 Resp: 95898

Ion Ratio Lower Upper

142 100

127 47.8 30.3 45.5#

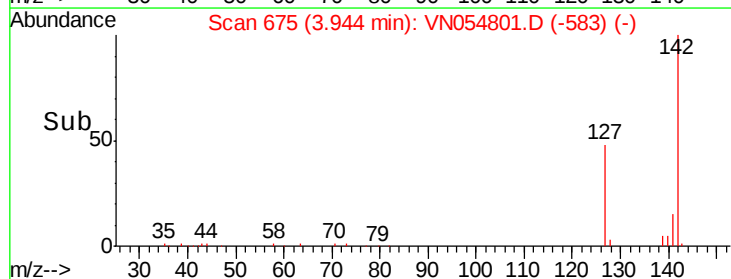
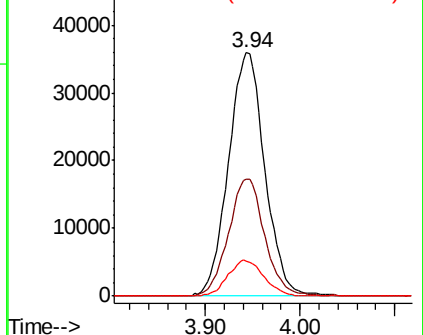
141 14.5 11.2 16.8

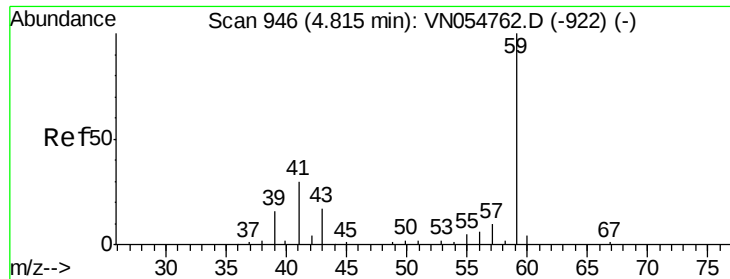


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

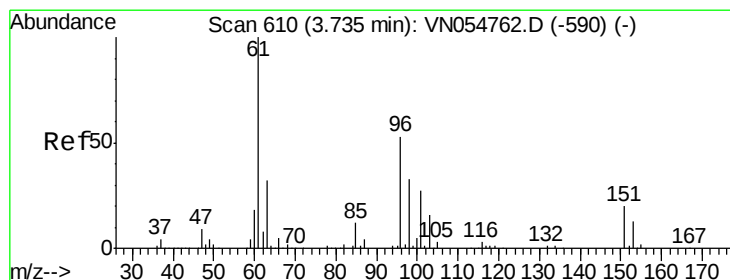
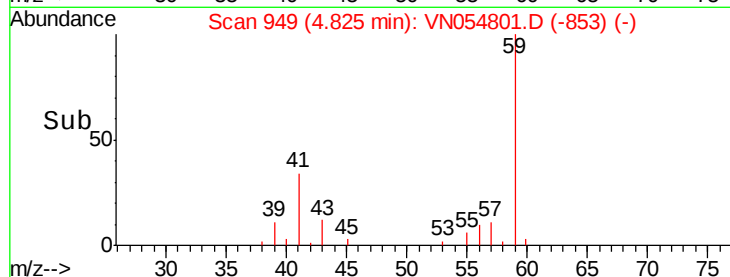
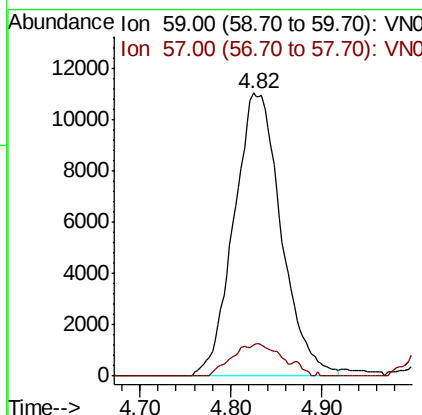
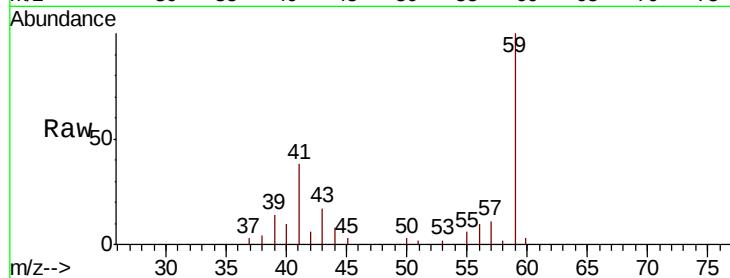




#11
Tert butyl alcohol
Concen: 137.646 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

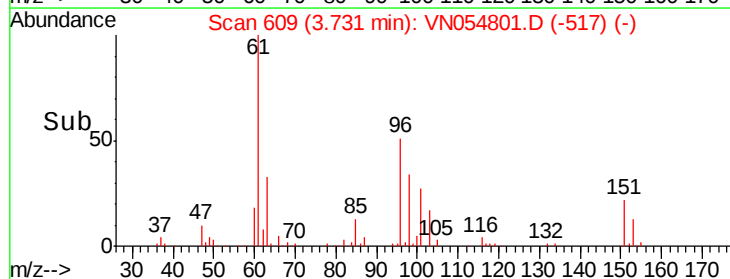
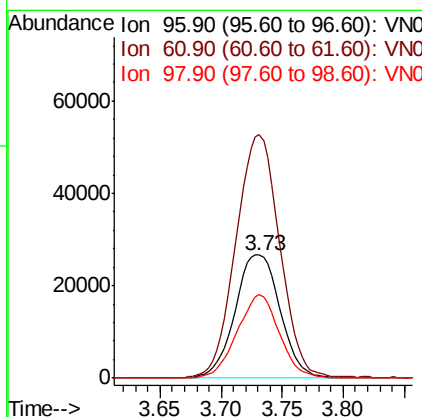
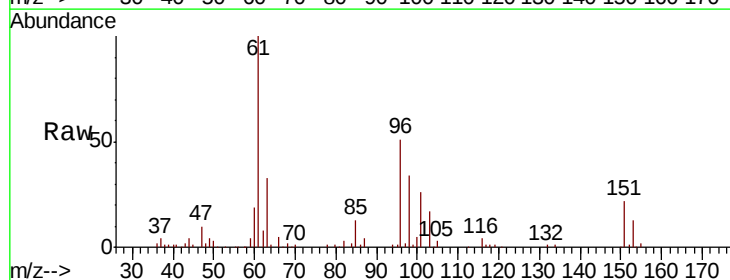
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

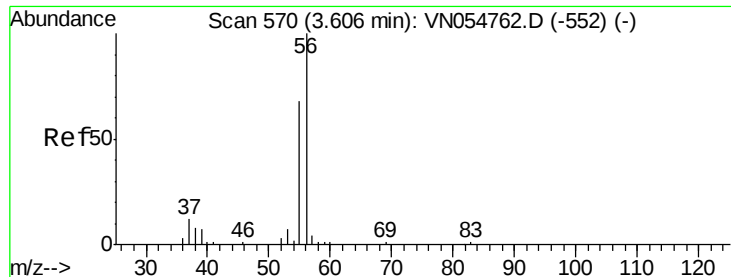
Tot Ion: 59 Resp: 39785
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 21.125 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 96 Resp: 68337
Ion Ratio Lower Upper
96 100
61 196.5 116.5 174.7#
98 67.5 51.0 76.4

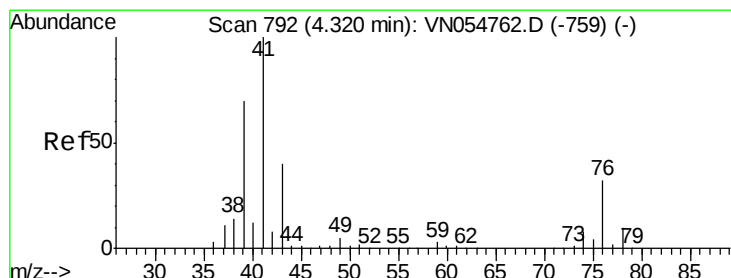
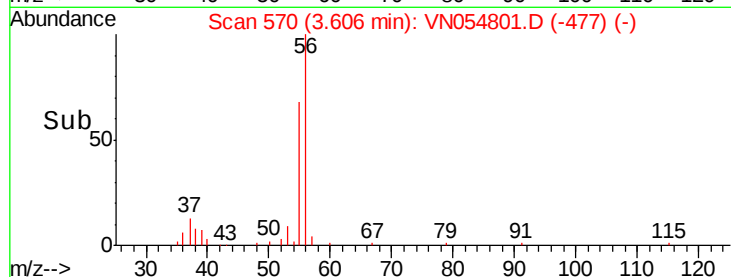
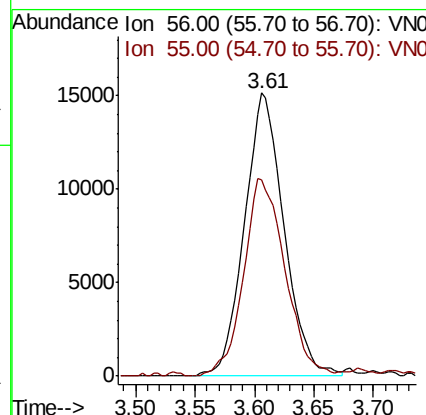
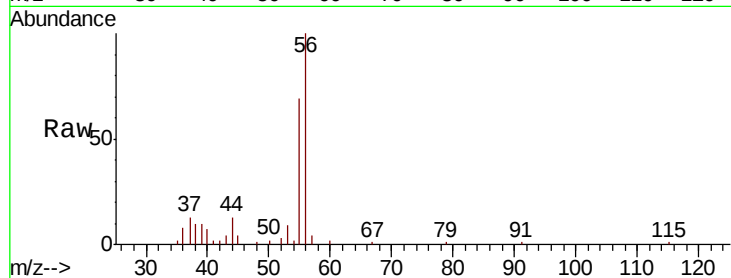




#13
 Acrolein
 Concen: 135.075 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

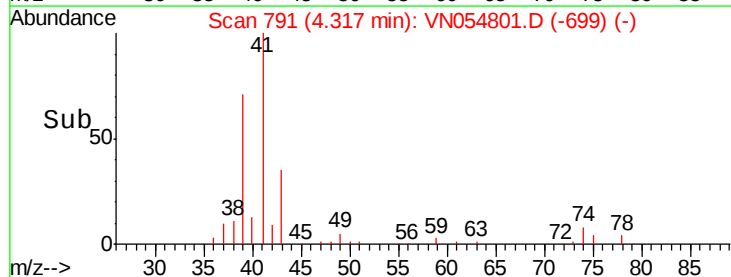
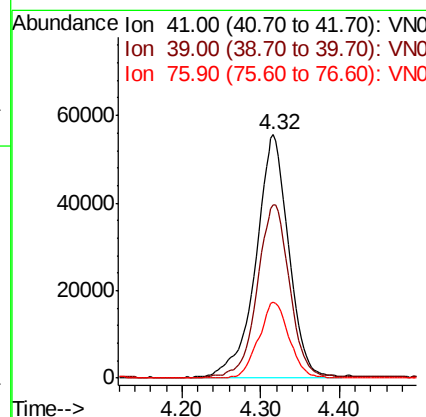
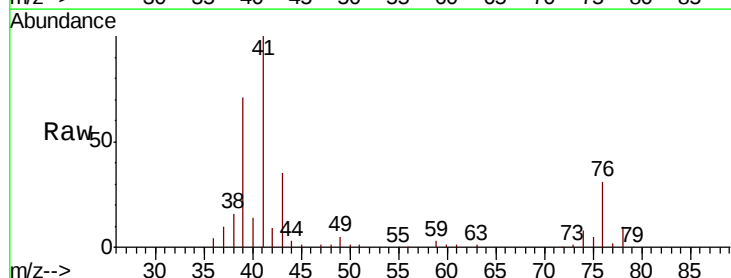
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

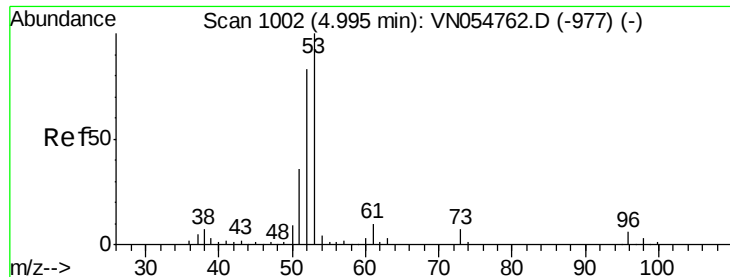
Tot Ion: 56 Resp: 34903
 Ion Ratio Lower Upper
 56 100
 55 72.8 56.7 85.1



#14
 Allyl chloride
 Concen: 20.464 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 41 Resp: 163054
 Ion Ratio Lower Upper
 41 100
 39 70.3 58.2 87.4
 76 29.2 31.7 47.5#





#15

Acrylonitrile

Concen: 123.017 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

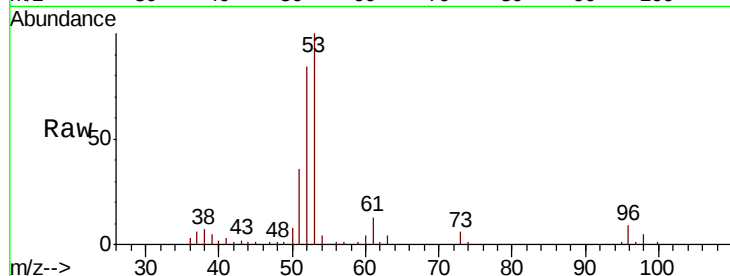
Tot Ion: 53 Resp: 197636

Ion Ratio Lower Upper

53 100

52 82.4 66.4 99.6

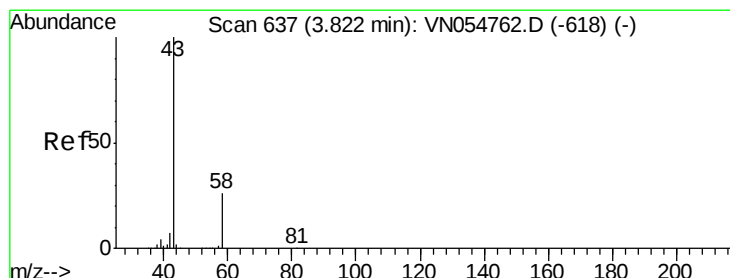
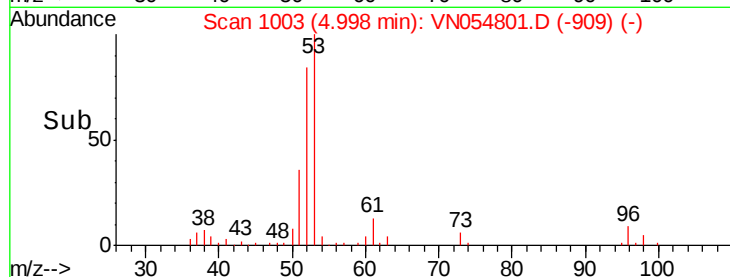
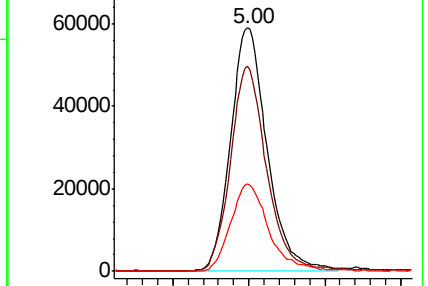
51 37.2 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054762.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054762.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054762.D (-977) (-)



#16

Acetone

Concen: 108.519 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054801.D

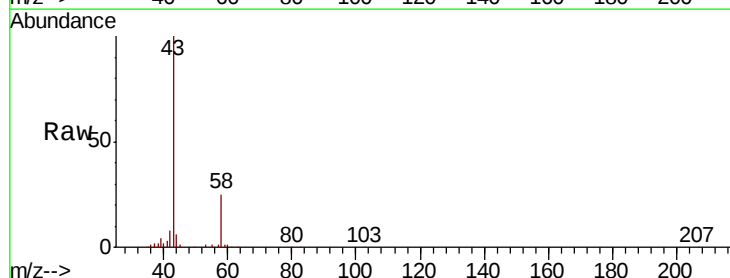
Acq: 30 Mar 2019 14:39

Tgt Ion: 43 Resp: 143560

Ion Ratio Lower Upper

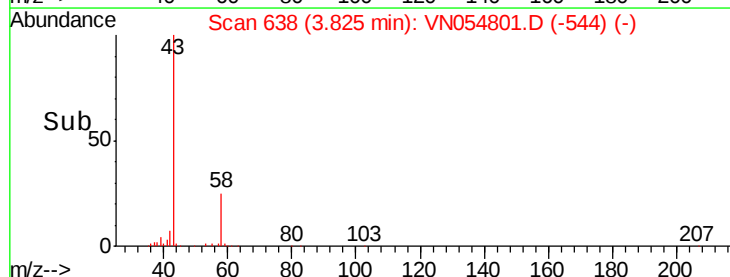
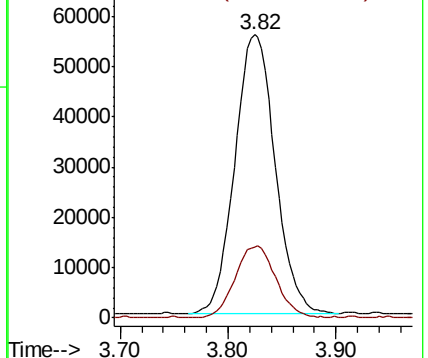
43 100

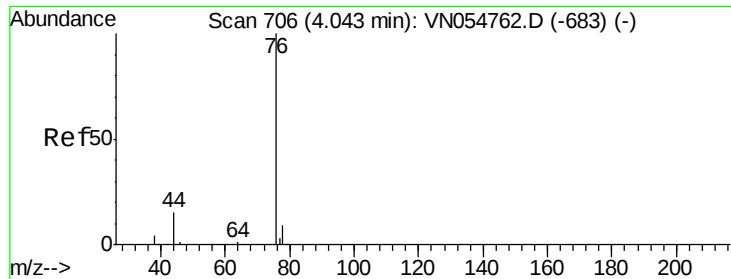
58 25.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

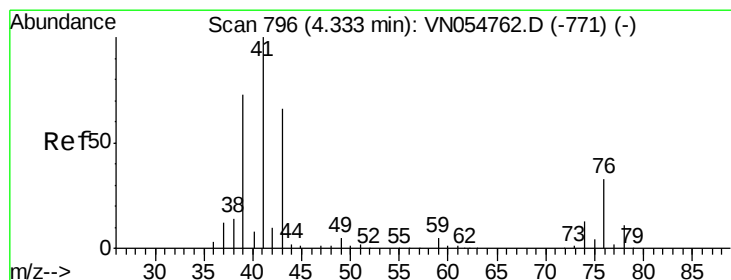
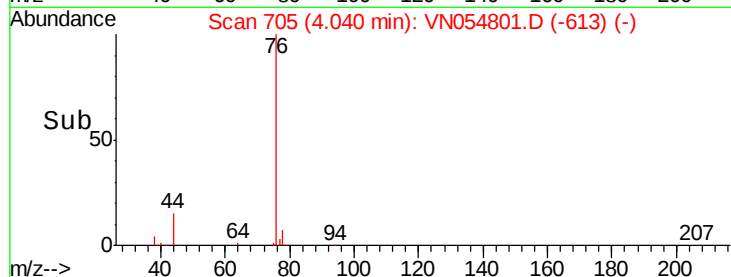
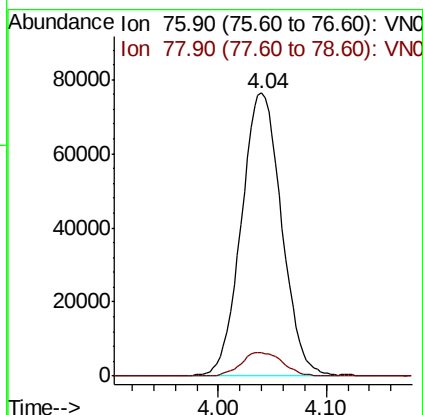
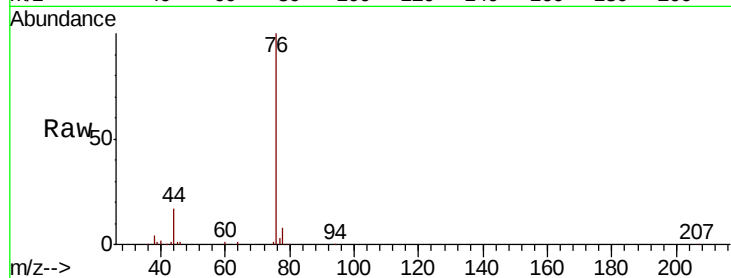




#17
Carbon Disulfide
Concen: 18.869 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

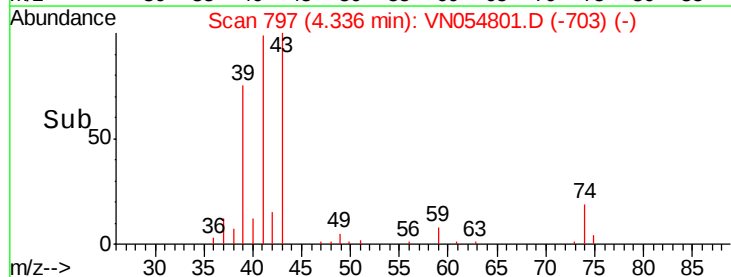
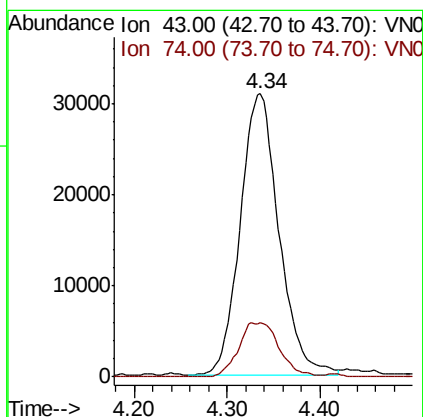
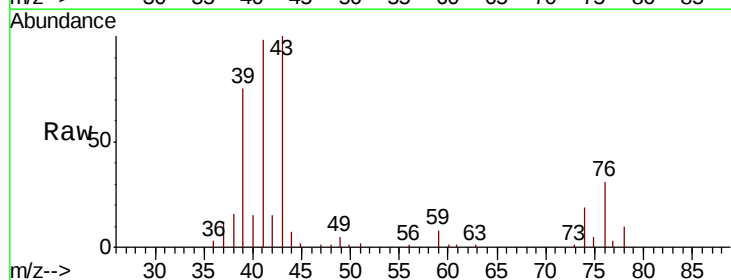
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

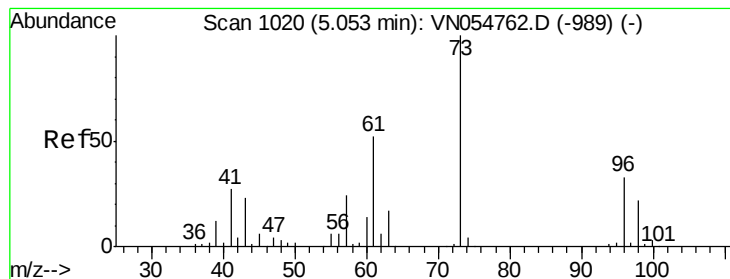
Tot Ion: 76 Resp: 197978
Ion Ratio Lower Upper
76 100
78 8.1 7.5 11.3



#18
Methyl Acetate
Concen: 25.675 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 43 Resp: 90010
Ion Ratio Lower Upper
43 100
74 9.8 20.8 31.2#





#19

Methyl tert-butyl Ether

Concen: 23.071 ug/l

RT: 5.06 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

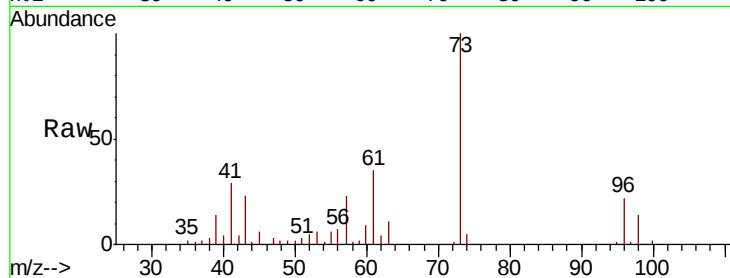
VN0330MBS01

Tot Ion: 73 Resp: 261060

Ion Ratio Lower Upper

73 100

57 22.9 16.8 25.2



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

Ion 57.00 (56.70 to 57.70): VN054762.D (-989) (-)

5.06

80000

60000

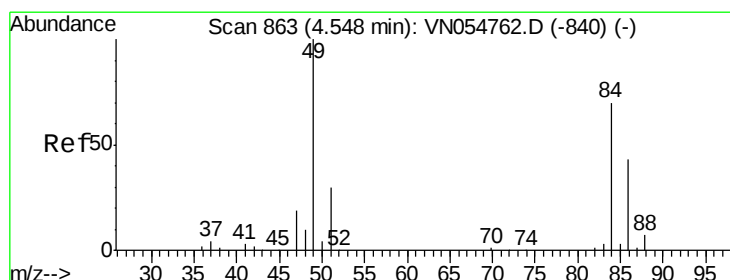
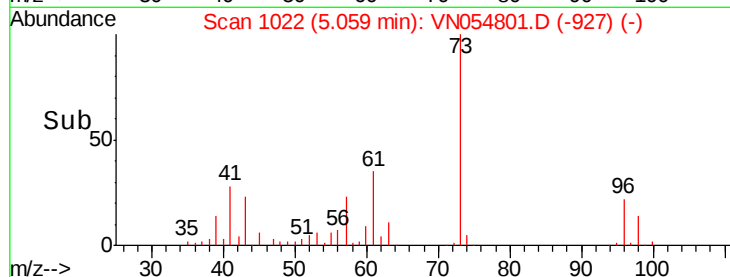
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 21.706 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Tgt Ion: 84 Resp: 101290

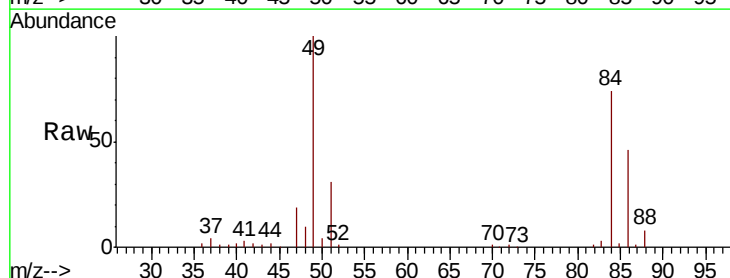
Ion Ratio Lower Upper

84 100

49 134.6 89.7 134.5#

51 41.7 28.2 42.4

86 62.0 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN054762.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN054762.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN054762.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN054762.D (-840) (-)

4.54

60000

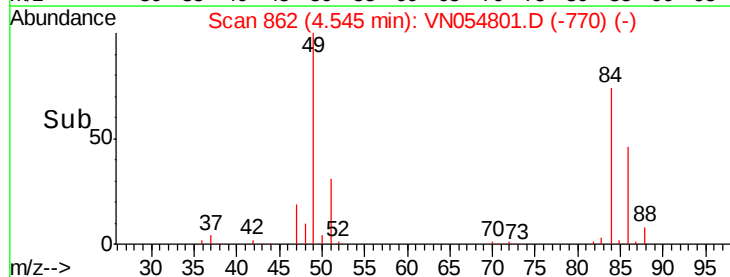
40000

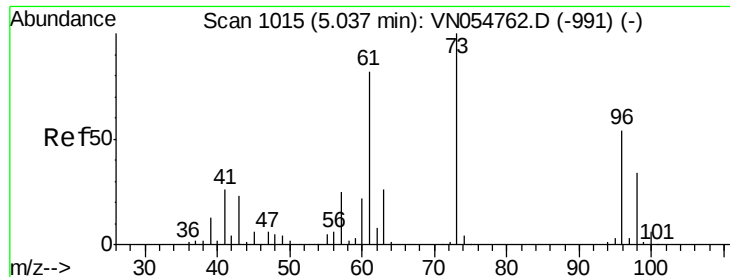
20000

0

Time-->

4.40 4.50 4.60

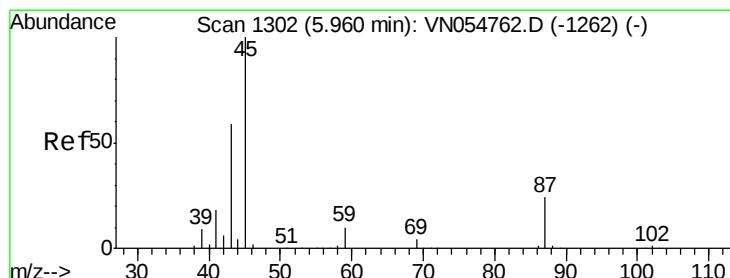
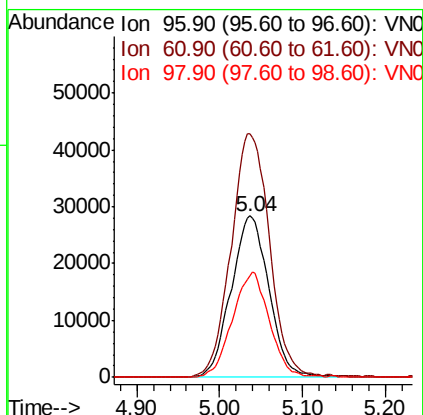
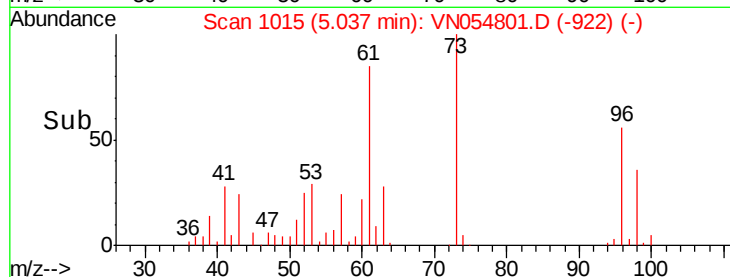
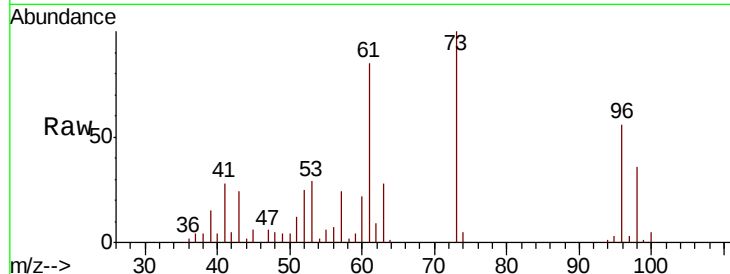




#21
trans-1,2-Dichloroethene
Concen: 21.165 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

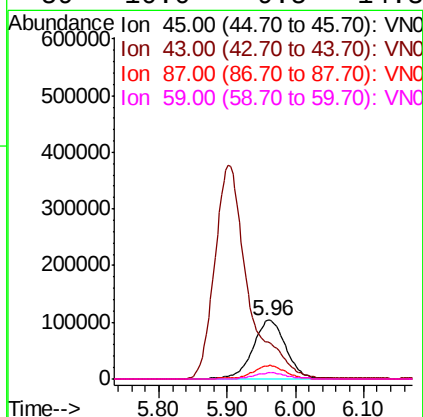
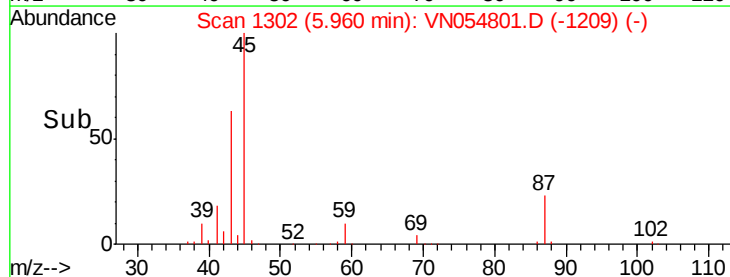
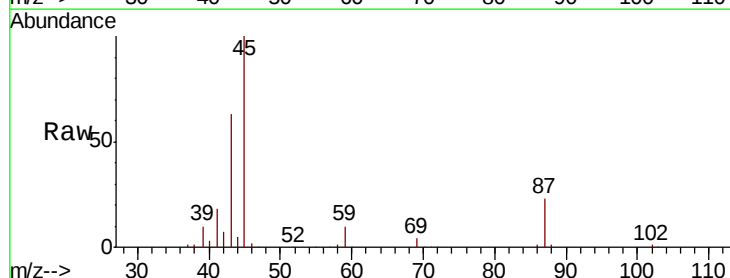
Instrument :
MSVOA_N
ClientSampled :
VN0330MBS01

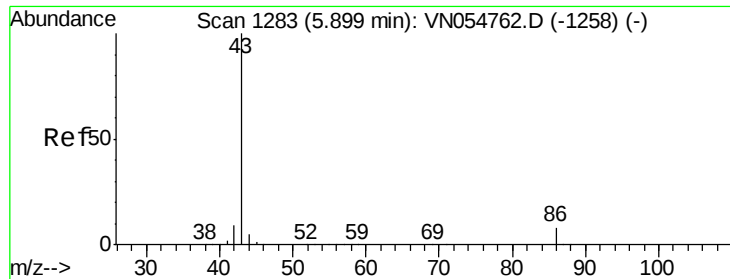
Tot Ion: 96 Resp: 89932
Ion Ratio Lower Upper
96 100
61 151.1 102.8 154.2
98 63.4 50.0 75.0



#22
Diisopropyl ether
Concen: 22.160 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 45 Resp: 349227
Ion Ratio Lower Upper
45 100
43 61.0 48.2 72.2
87 22.8 24.9 37.3#
59 10.0 9.5 14.3

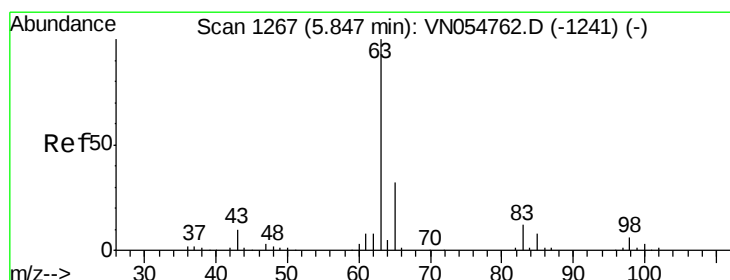
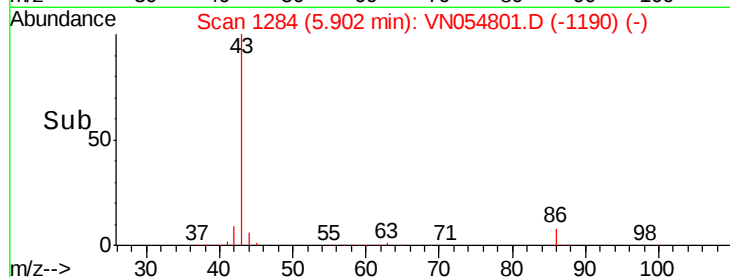
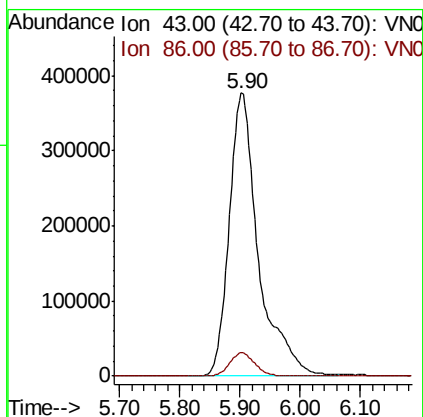
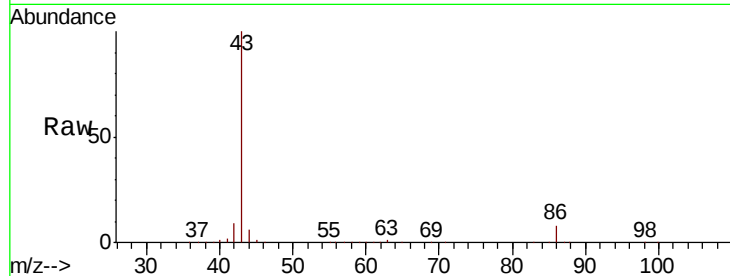




#23
 Vinyl Acetate
 Concen: 116.344 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

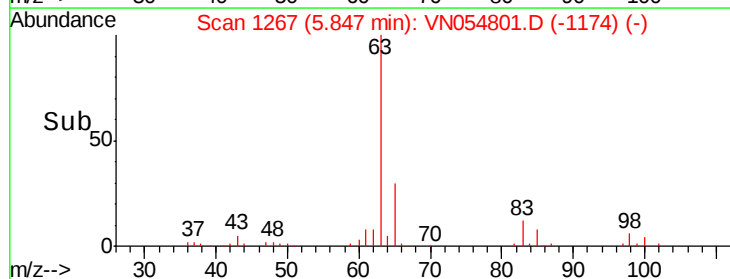
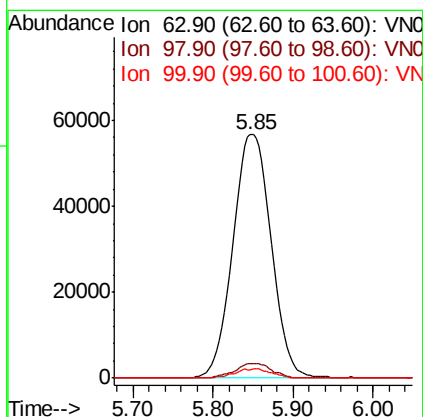
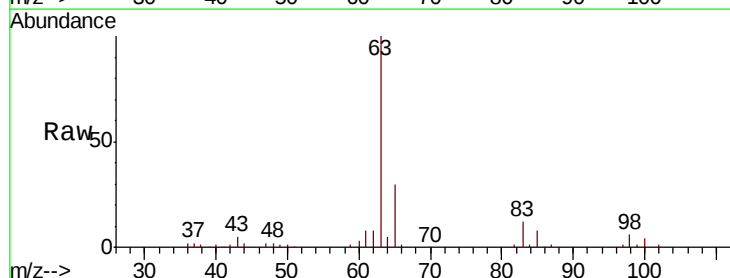
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

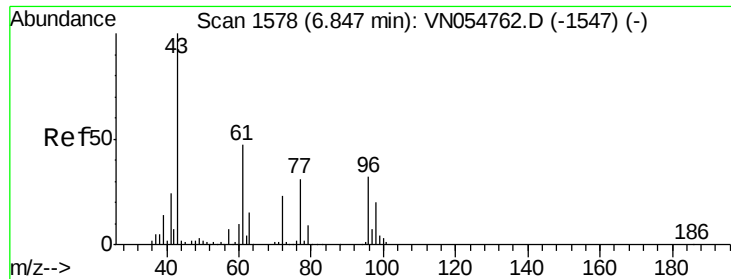
Tot Ion: 43 Resp: 1275944
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 21.877 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 63 Resp: 183908
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.5
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 127.781 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

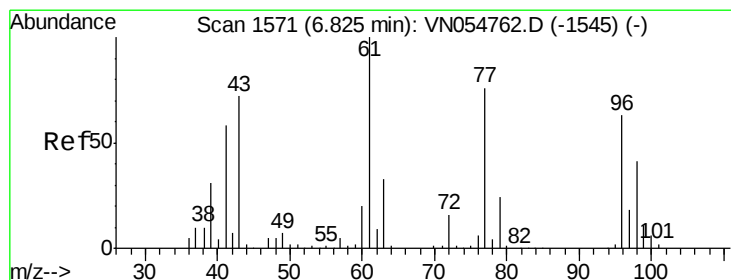
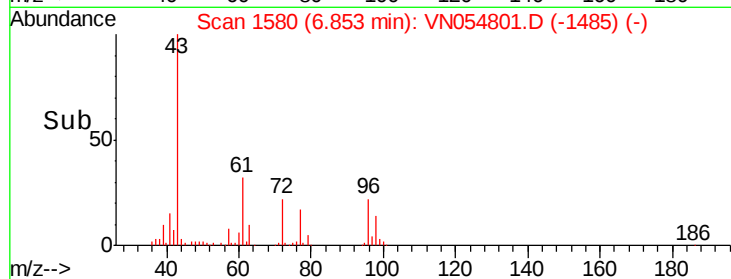
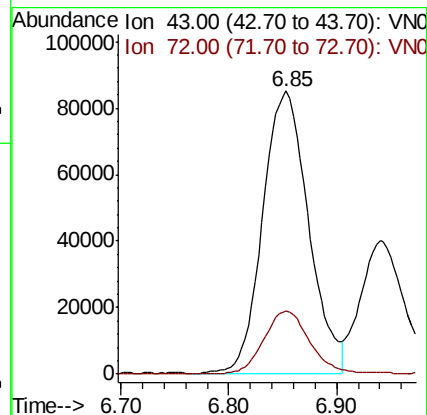
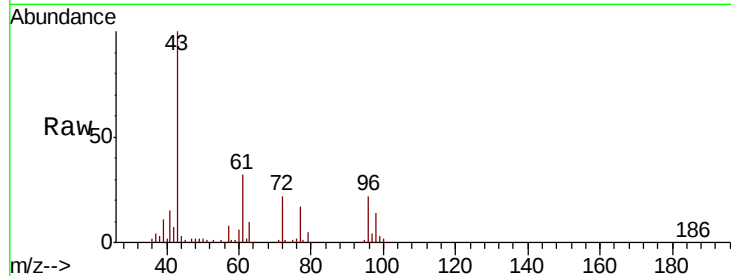
VN0330MBS01

Tot Ion: 43 Resp: 249876

Ion Ratio Lower Upper

43 100

72 22.4 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 18.853 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054801.D

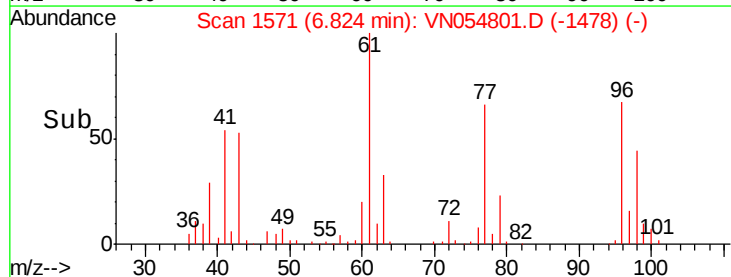
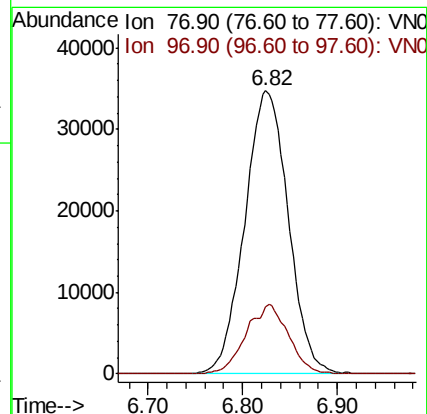
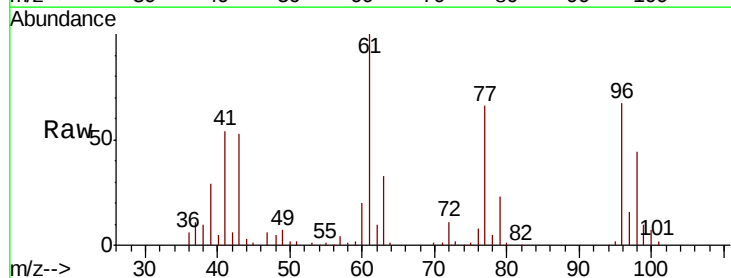
Acq: 30 Mar 2019 14:39

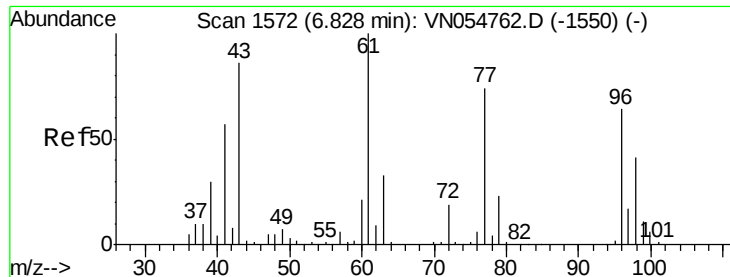
Tgt Ion: 77 Resp: 111087

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.809 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

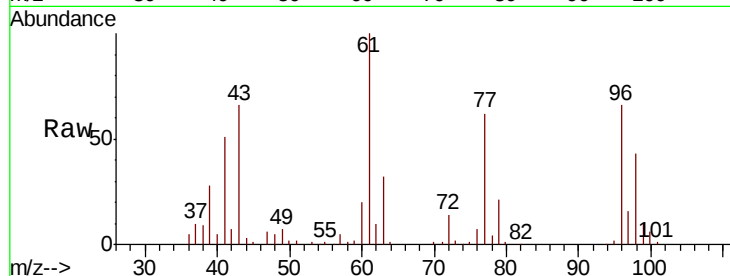
Tot Ion: 96 Resp: 104681

Ion Ratio Lower Upper

96 100

61 155.4 0.0 273.0

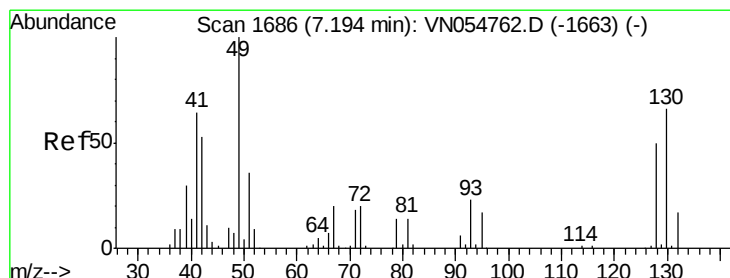
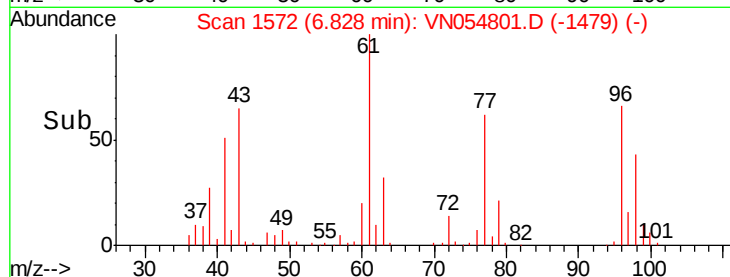
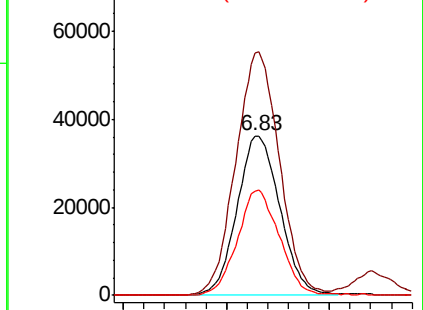
98 64.6 0.0 130.6



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: 23.995 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

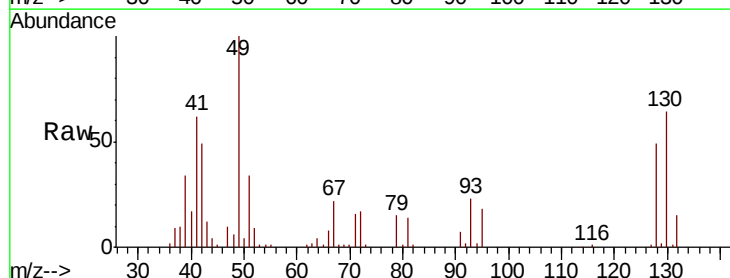
Tgt Ion: 49 Resp: 100867

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.6

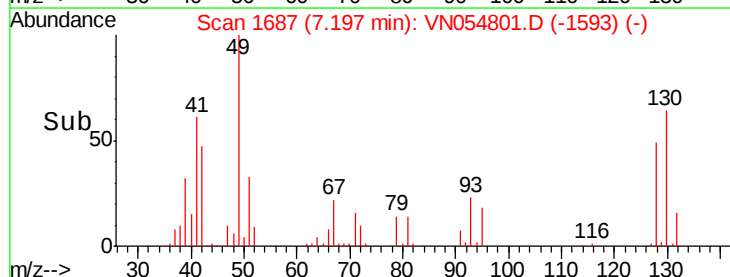
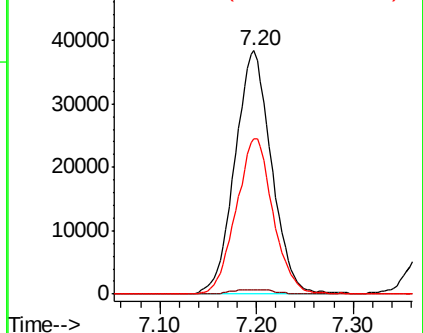
130 64.5 76.7 115.1#

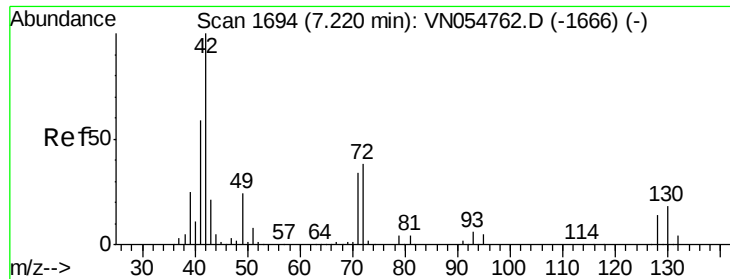


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 125.322 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

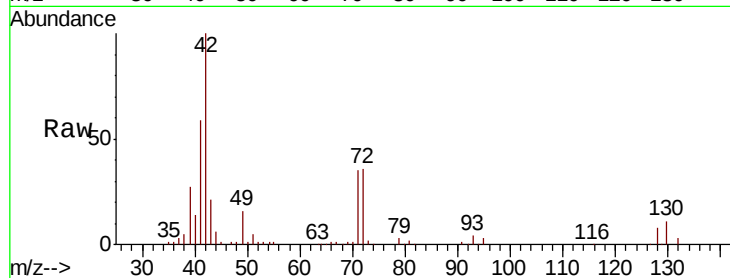
Tot Ion: 42 Resp: 170211

Ion Ratio Lower Upper

42 100

72 36.4 37.8 56.6#

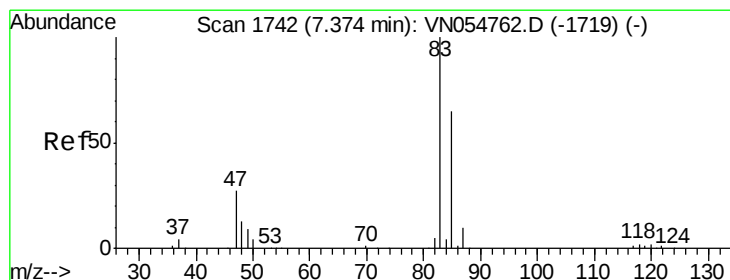
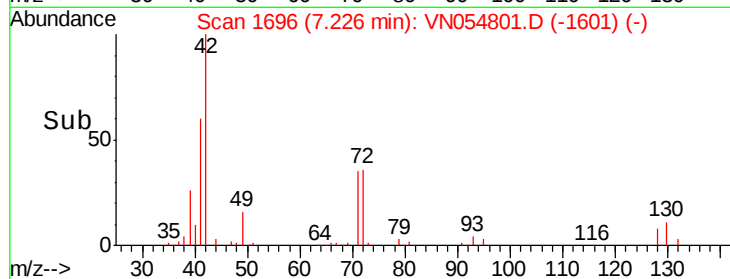
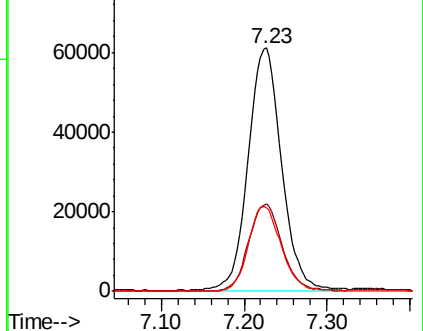
71 34.7 36.2 54.2#



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: 22.207 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054801.D

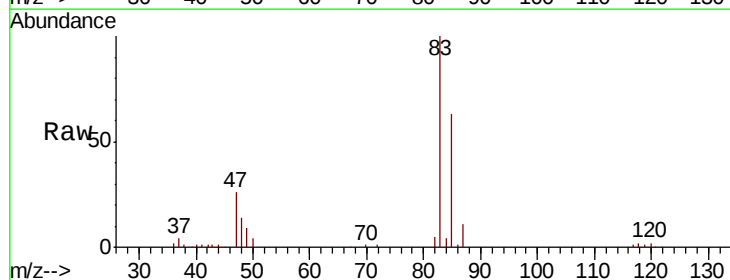
Acq: 30 Mar 2019 14:39

Tgt Ion: 83 Resp: 178015

Ion Ratio Lower Upper

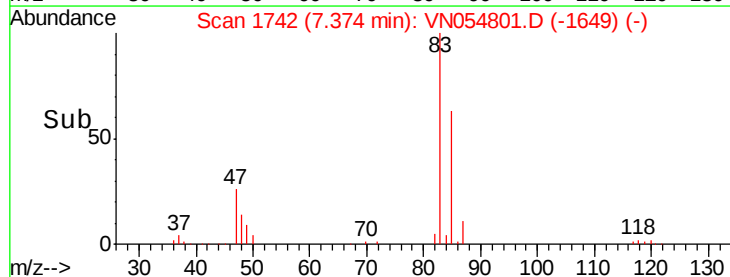
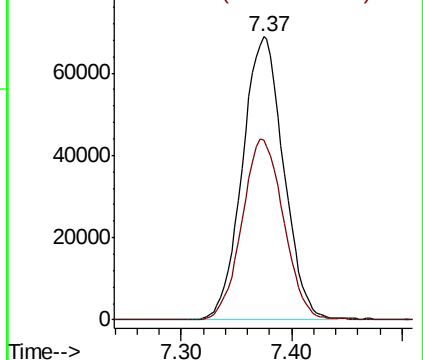
83 100

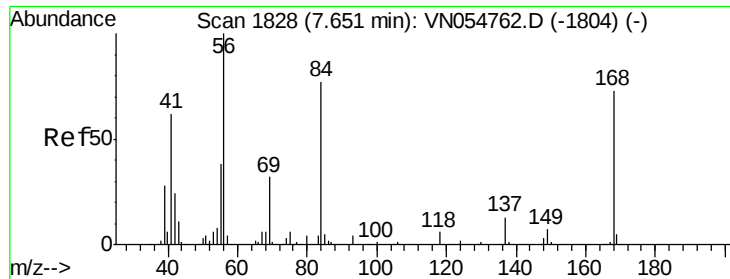
85 63.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

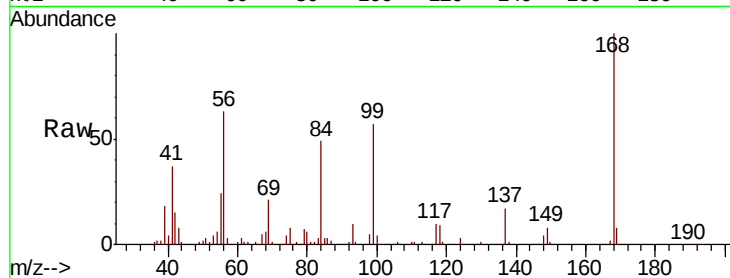




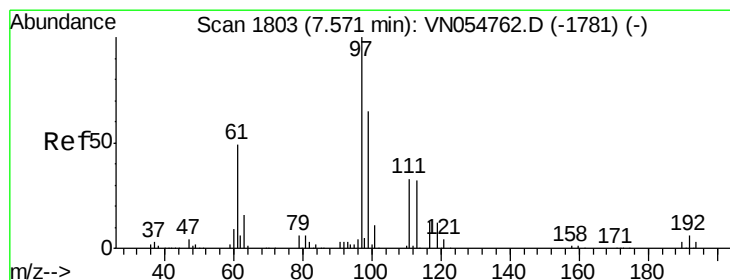
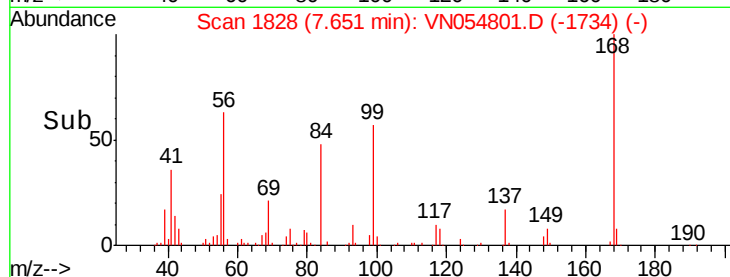
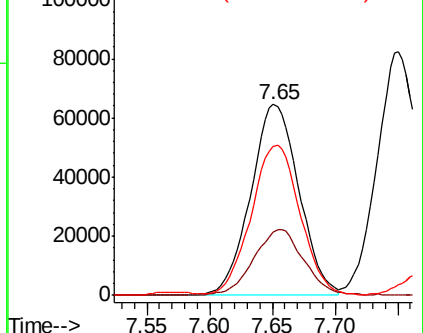
#31
Cyclohexane
Concen: 21.361 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampled :
VN0330MBS01

Tot Ion: 56 Resp: 172661
Ion Ratio Lower Upper
56 100
69 32.9 27.8 41.6
84 77.0 74.6 111.8

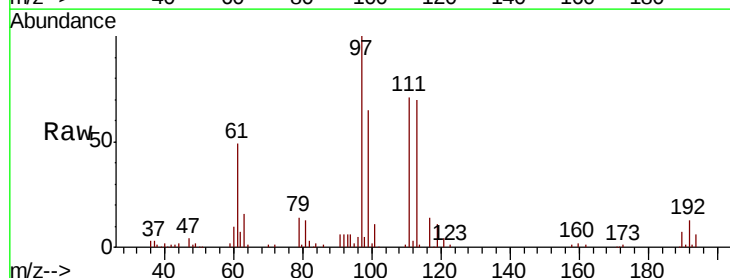


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

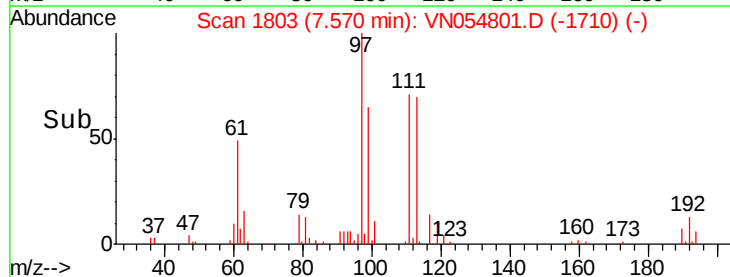
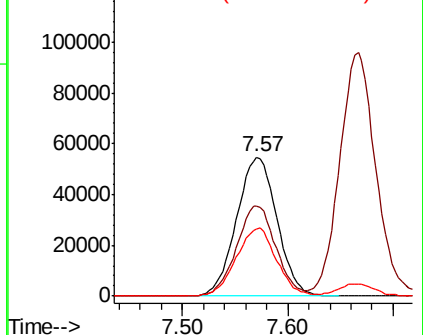


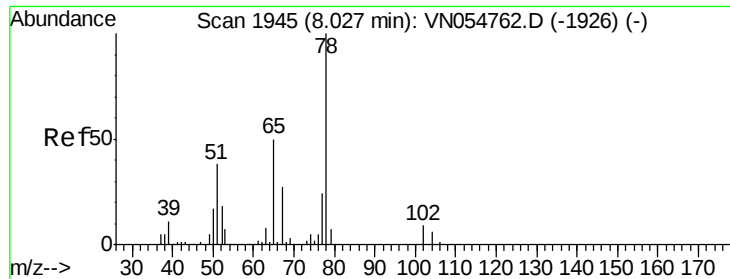
#32
1,1,1-Trichloroethane
Concen: 21.931 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 97 Resp: 145689
Ion Ratio Lower Upper
97 100
99 63.2 51.5 77.3
61 48.8 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: 55.728 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

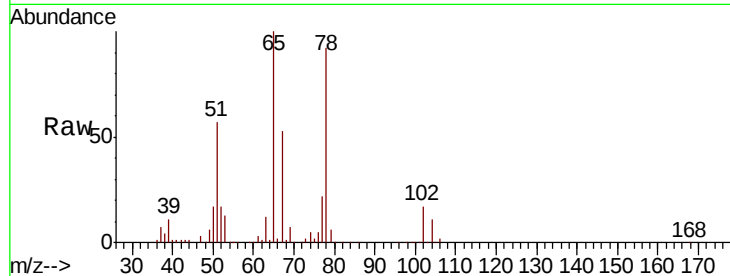
VN0330MBS01

Tot Ion: 65 Resp: 309155

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

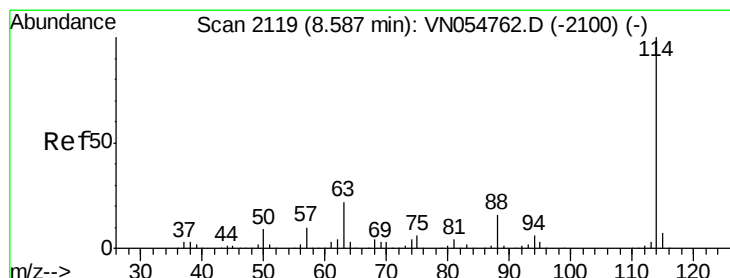
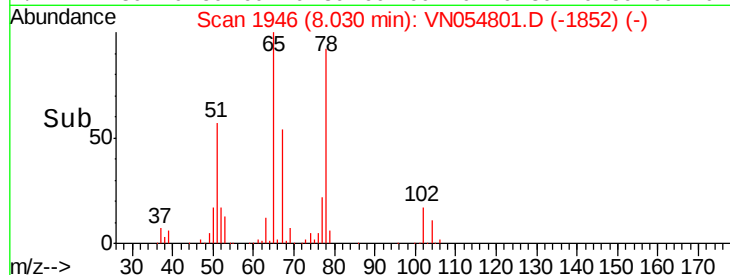
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

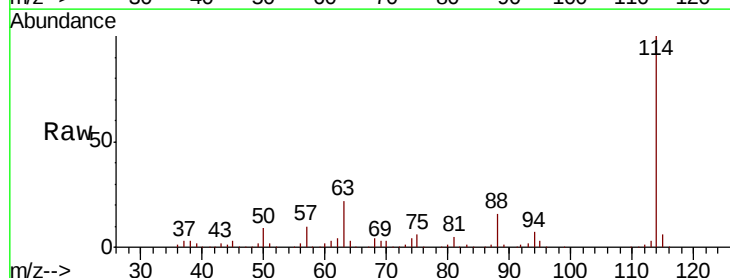
Tgt Ion: 114 Resp: 714118

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

88 15.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

300000

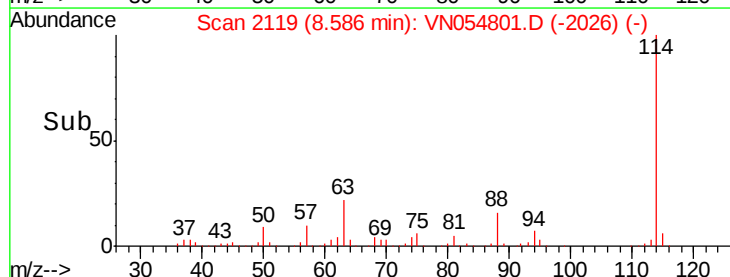
200000

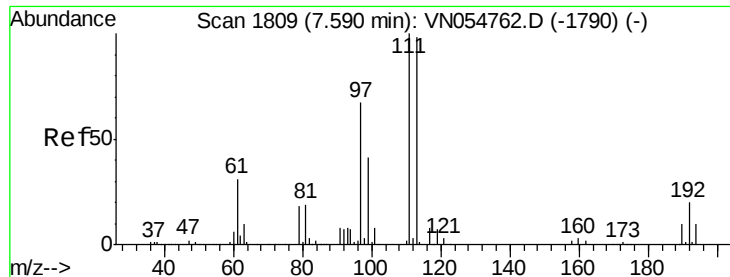
100000

0

8.40 8.60 8.80

Time-->





#35

Dibromofluoromethane

Concen: 49.506 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

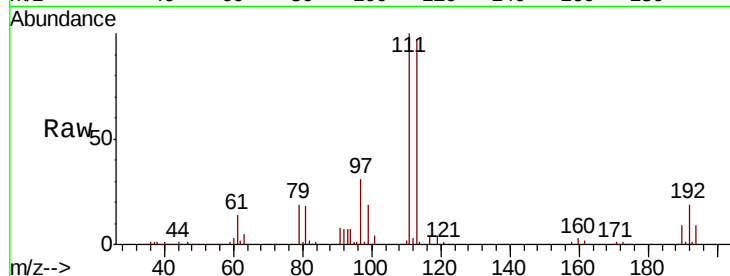
Tot Ion:113 Resp: 235696

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

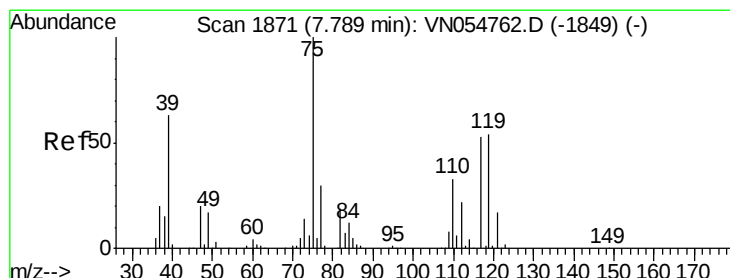
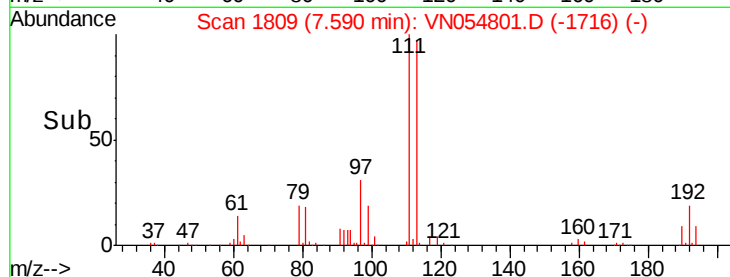
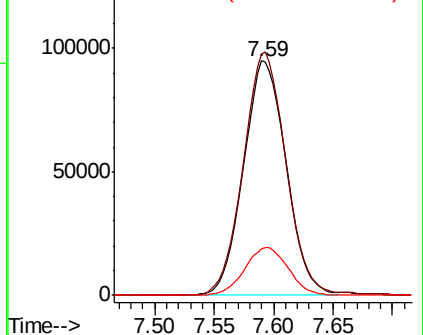
192 20.8 19.2 28.8



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: 19.457 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

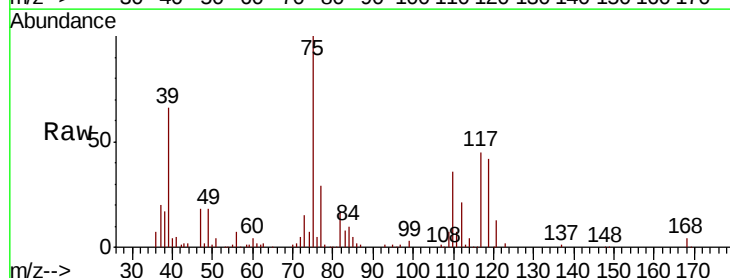
Tgt Ion: 75 Resp: 129469

Ion Ratio Lower Upper

75 100

110 34.9 19.1 57.5

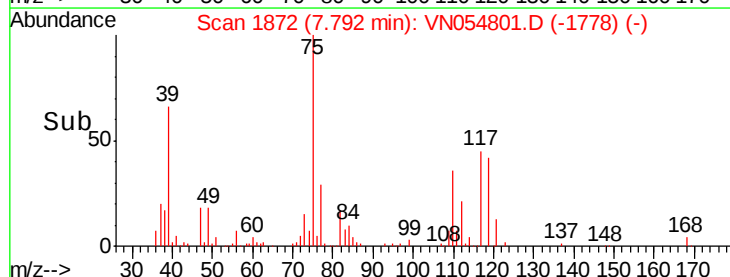
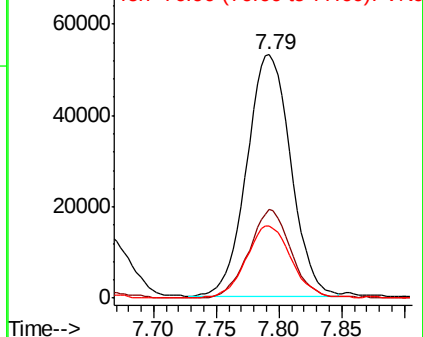
77 31.0 25.0 37.4

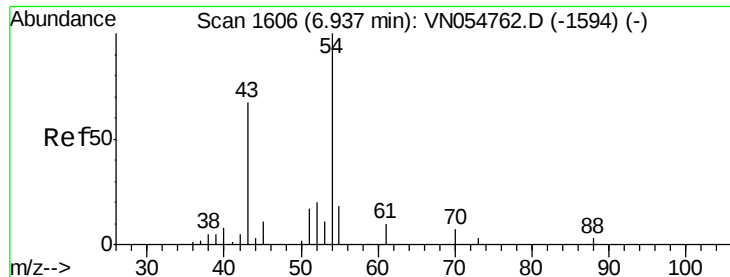


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

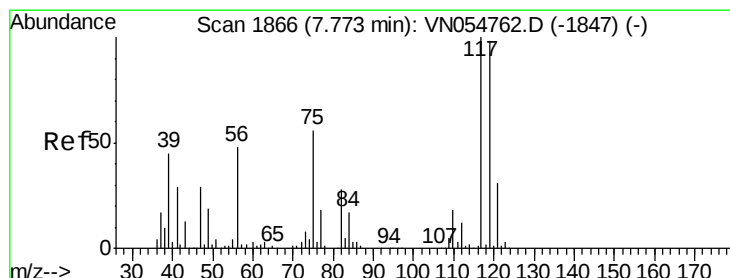
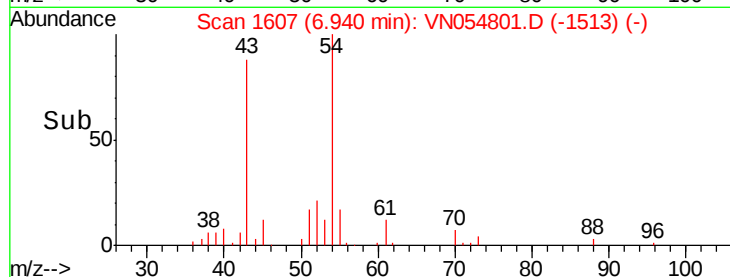
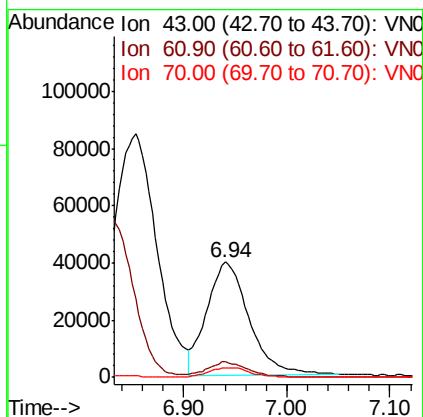
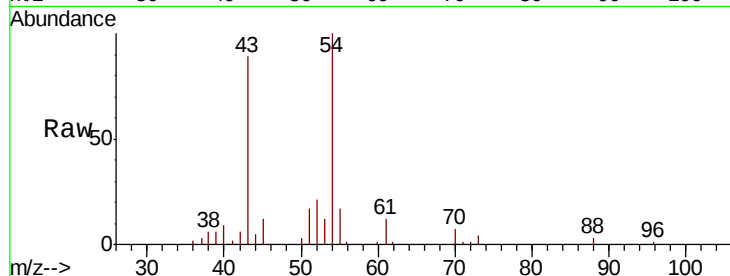




#37
Ethyl Acetate
Concen: 23.230 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

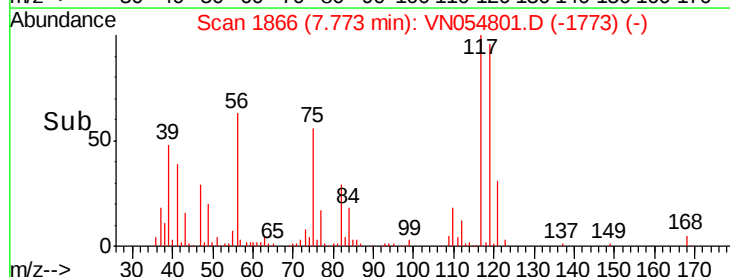
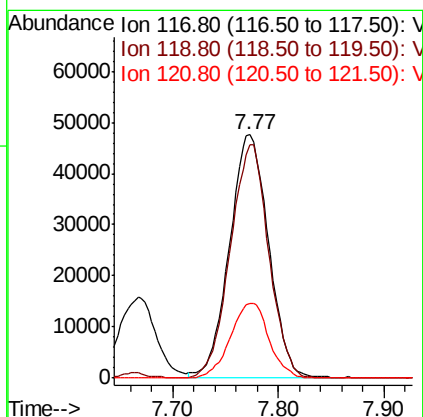
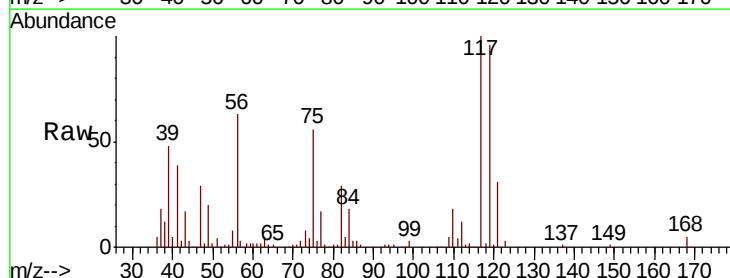
Instrument :
MSVOA_N
ClientSampled :
VN0330MBS01

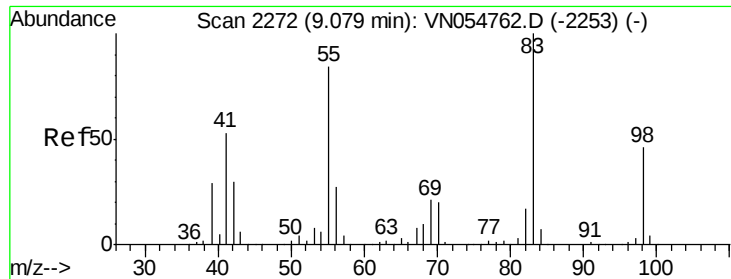
Tot Ion: 43 Resp: 113357
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 8.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.977 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 117 Resp: 122650
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 30.6 24.6 36.8

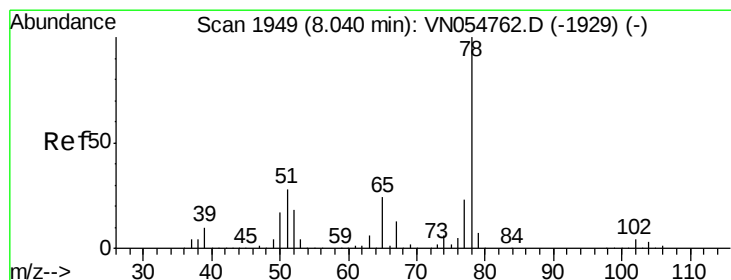
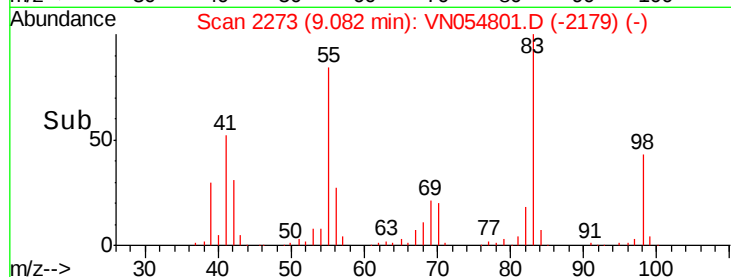
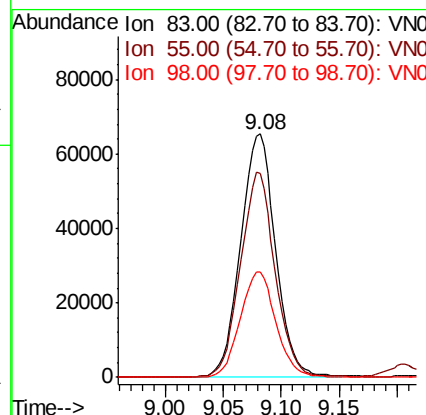
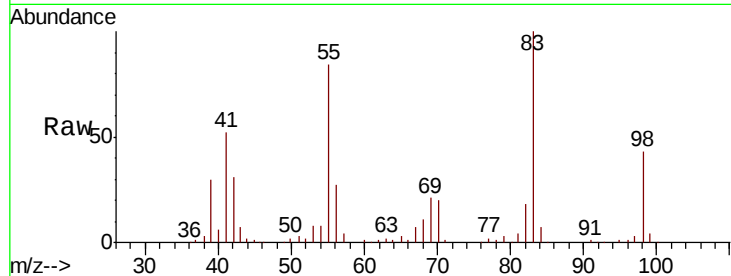




#39
Methvlcvclohexane
Concen: 18.751 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

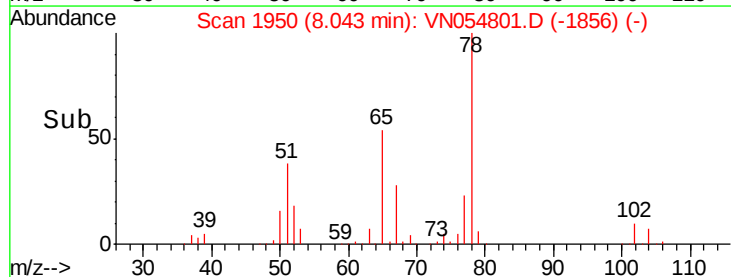
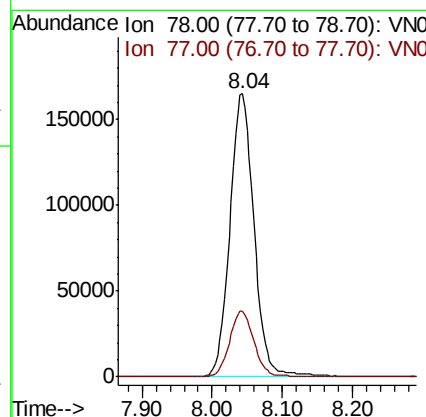
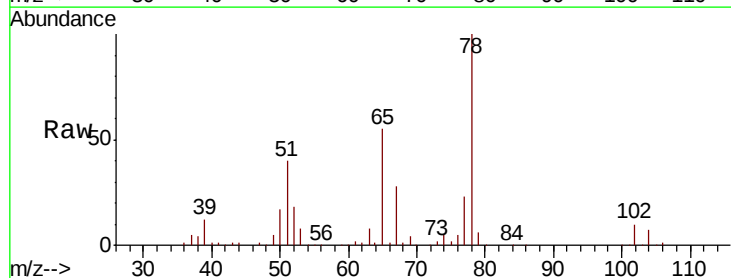
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

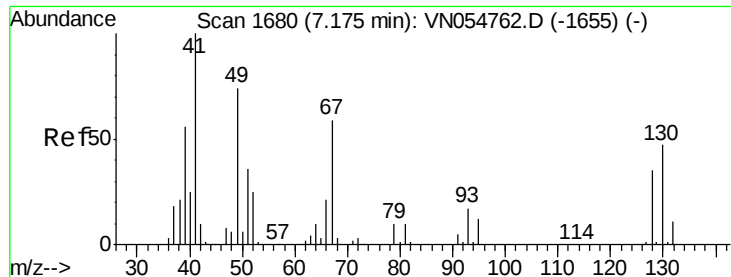
Tot Ion: 83 Resp: 137177
Ion Ratio Lower Upper
83 100
55 83.8 56.6 84.8
98 43.3 38.4 57.6



#40
Benzene
Concen: 20.758 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 78 Resp: 395228
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

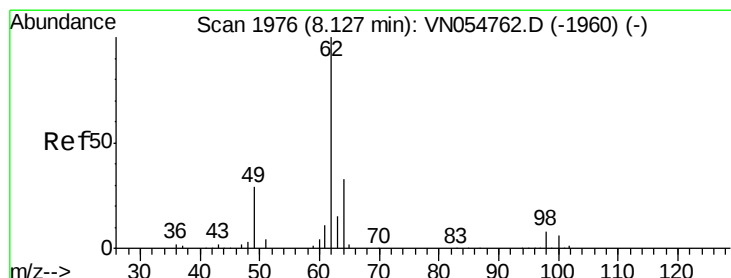
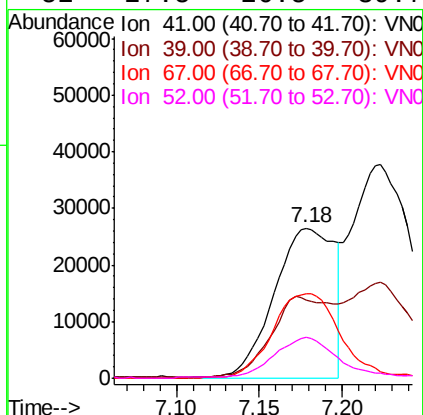
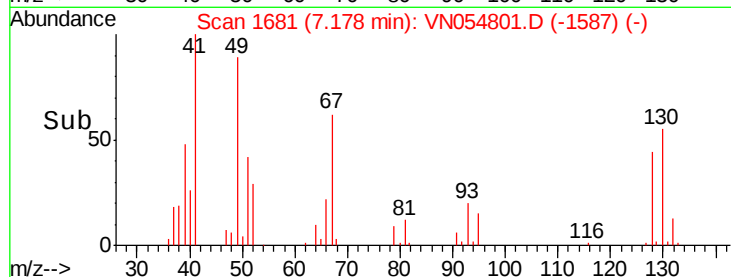
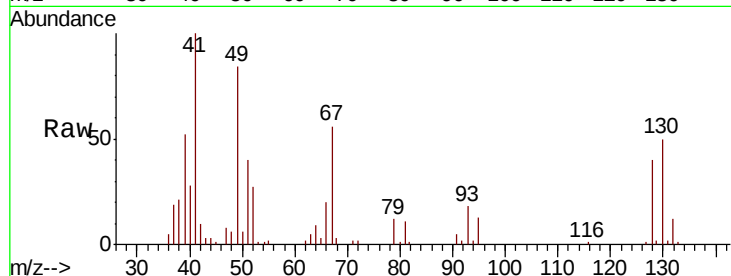




#41
Methacrylonitrile
Concen: 24.491 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

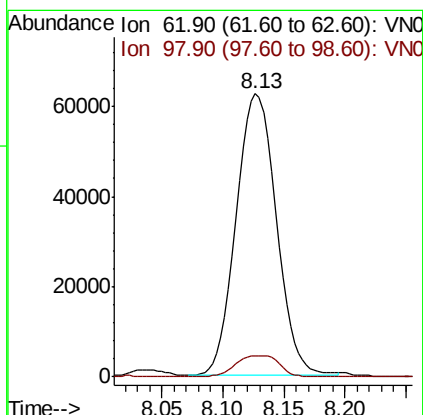
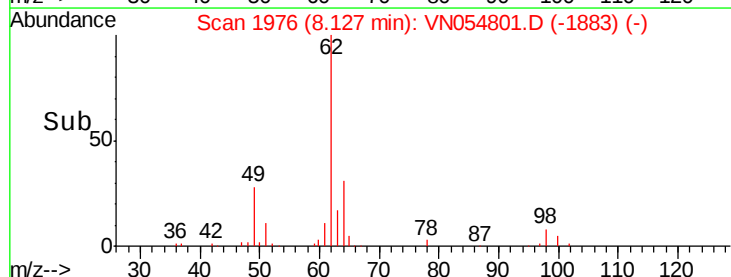
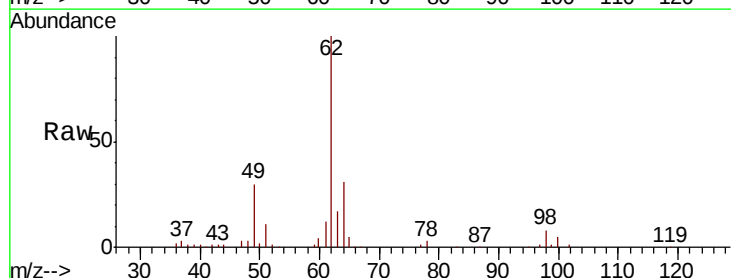
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

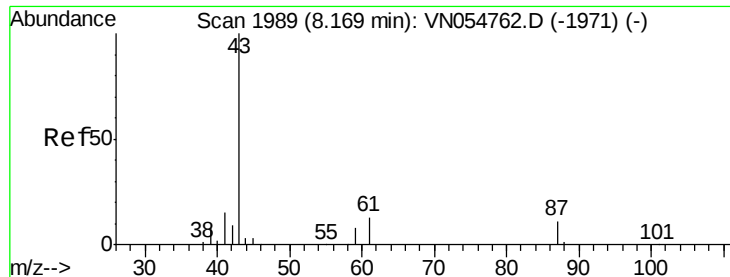
Tot Ion: 41 Resp: 67134
Ion Ratio Lower Upper
41 100
39 54.1 46.8 70.2
67 63.8 67.0 100.4#
52 27.5 26.5 39.7



#42
1,2-Dichloroethane
Concen: 21.095 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 62 Resp: 143414
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 23.091 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0330MBS01

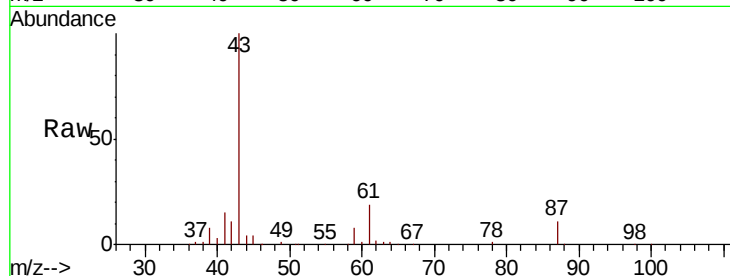
Tot Ion: 43 Resp: 183082

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

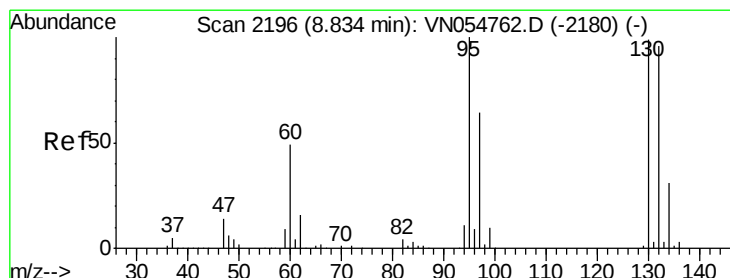
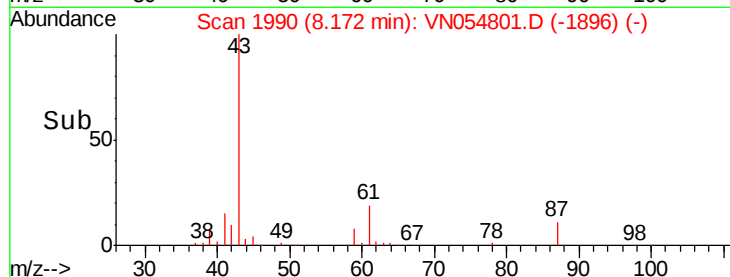
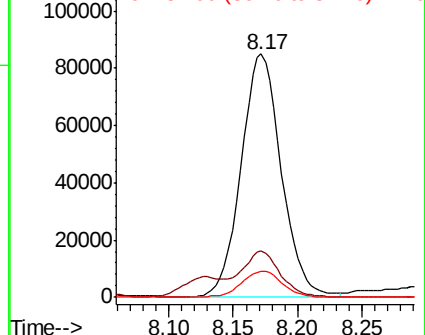
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.001 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054801.D

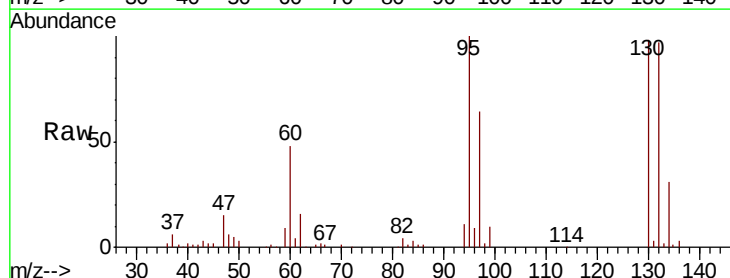
Acq: 30 Mar 2019 14:39

Tgt Ion:130 Resp: 98855

Ion Ratio Lower Upper

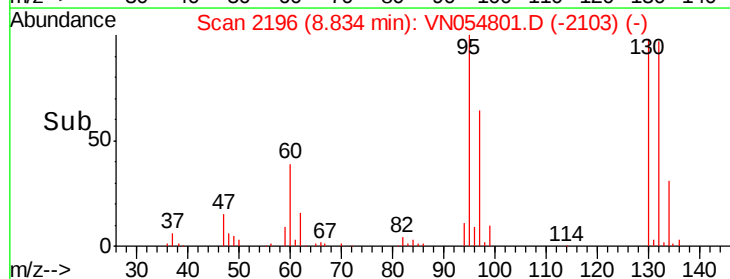
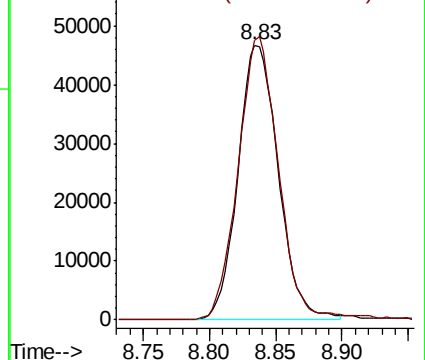
130 100

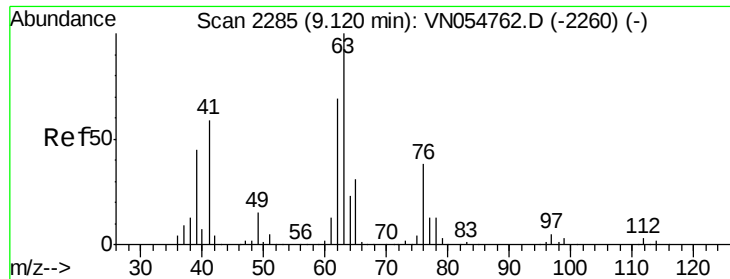
95 101.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

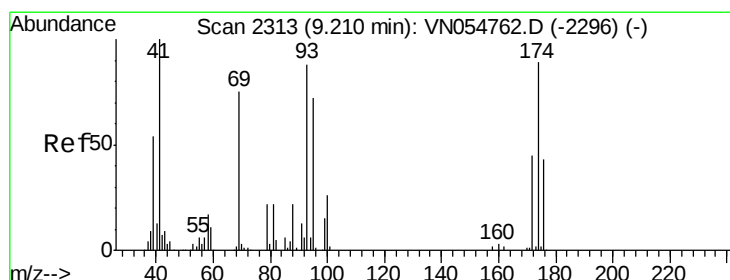
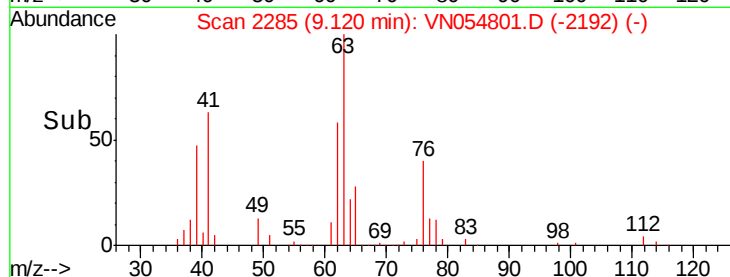
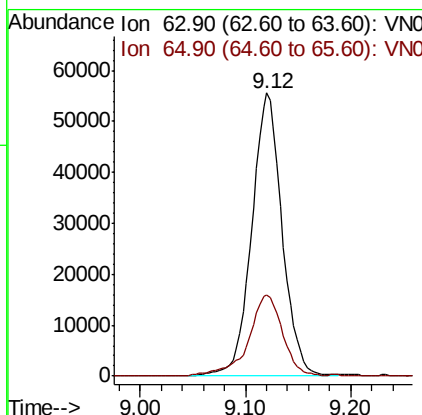
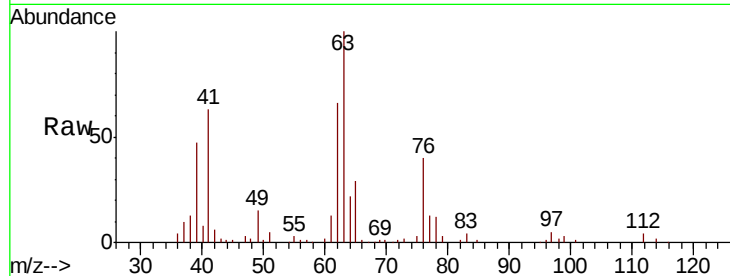




#45
 1,2-Dichloropropane
 Concen: 20.582 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

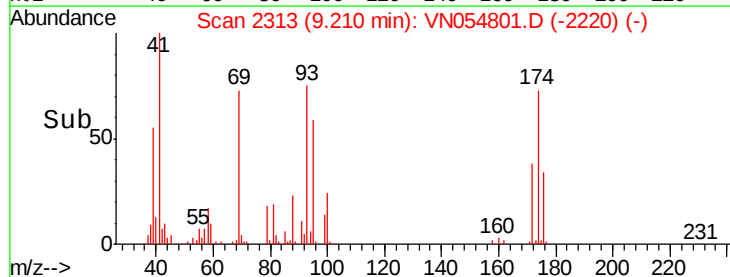
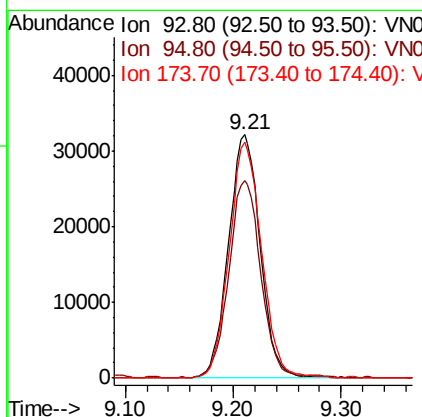
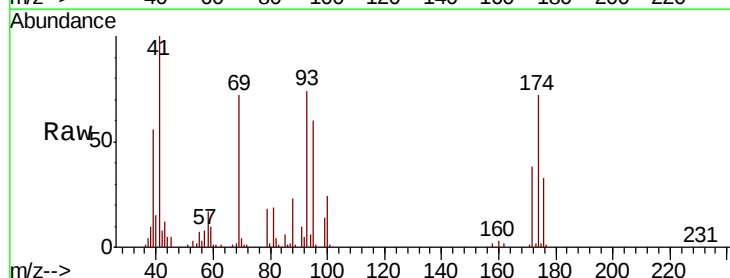
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

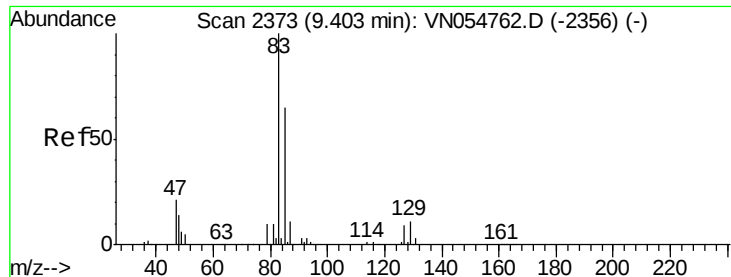
Tot Ion: 63 Resp: 111740
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.0 37.6



#46
 Dibromomethane
 Concen: 21.614 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 93 Resp: 66011
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.7 100.1
 174 98.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.343 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

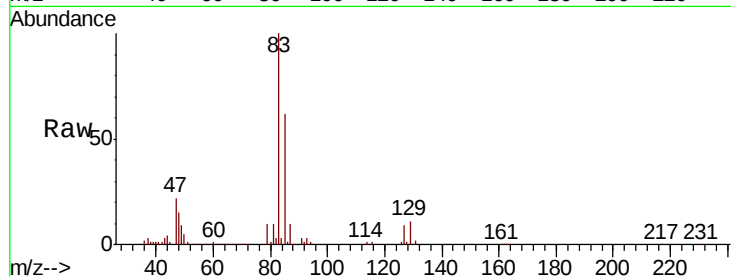
Tot Ion: 83 Resp: 129122

Ion Ratio Lower Upper

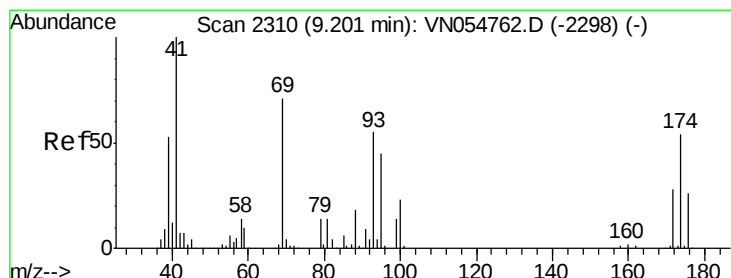
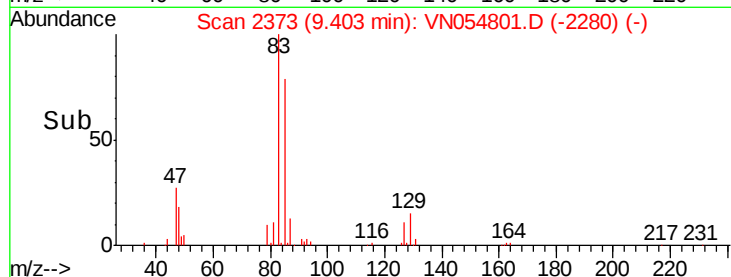
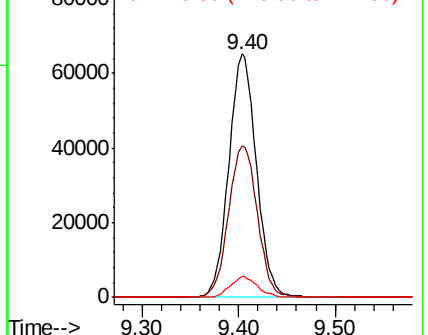
83 100

85 62.1 52.8 79.2

127 8.6 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: 21.959 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

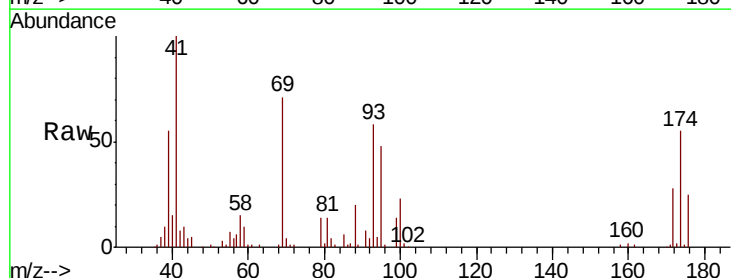
Tgt Ion: 41 Resp: 94381

Ion Ratio Lower Upper

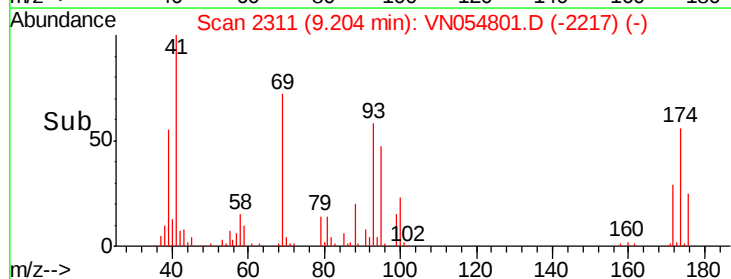
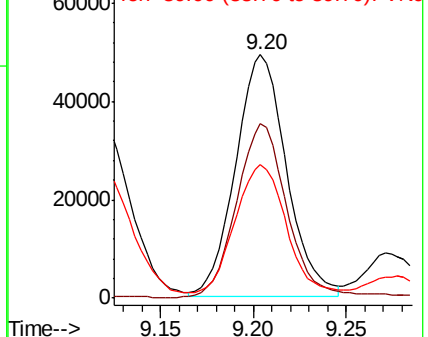
41 100

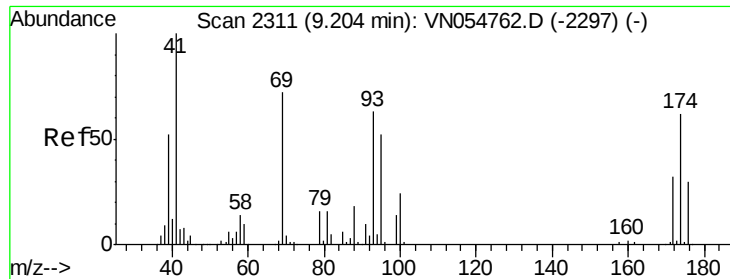
69 72.6 72.6 108.8

39 56.0 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: 512.664 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0330MBS01

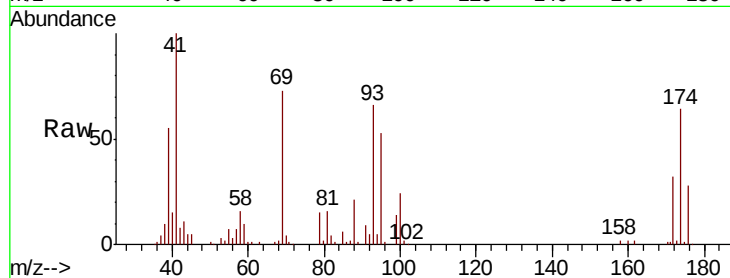
Tot Ion: 88 Resp: 21863

Ion Ratio Lower Upper

88 100

43 41.2 24.1 36.1#

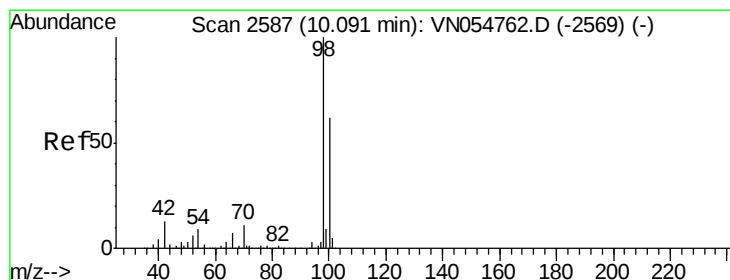
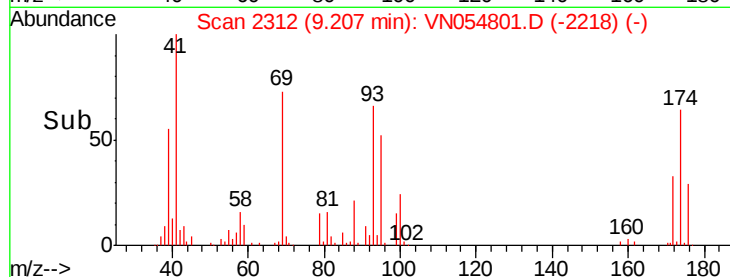
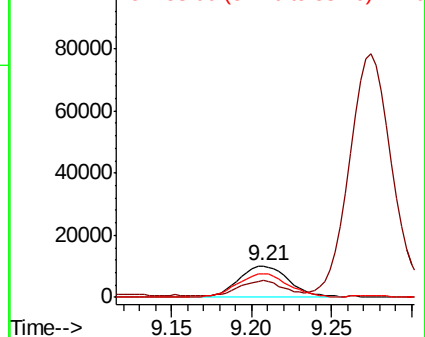
58 75.5 50.8 76.2



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: 49.551 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054801.D

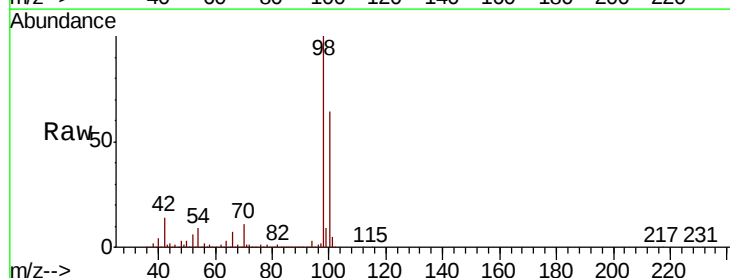
Acq: 30 Mar 2019 14:39

Tgt Ion: 98 Resp: 877065

Ion Ratio Lower Upper

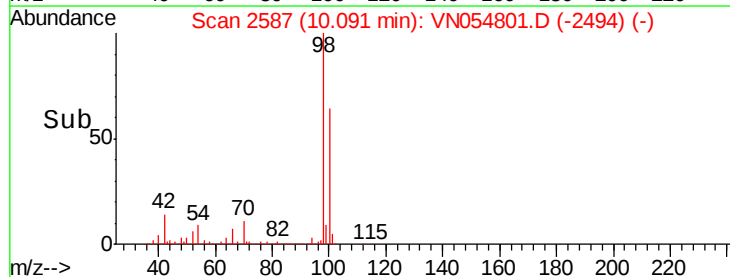
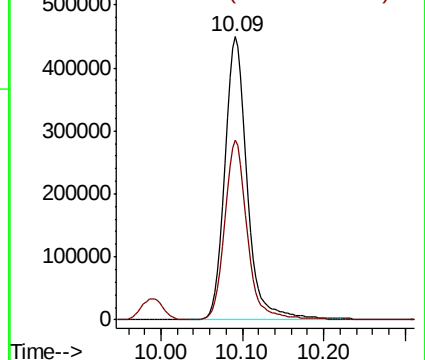
98 100

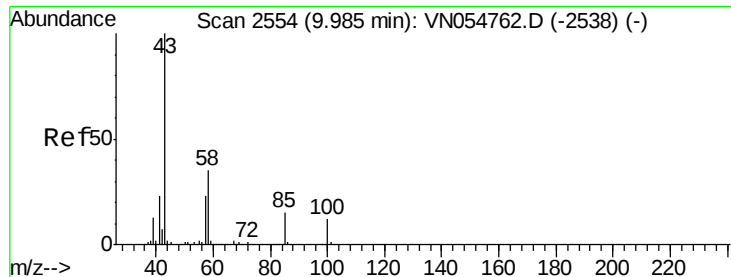
100 63.8 51.2 76.8



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: 120.680 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

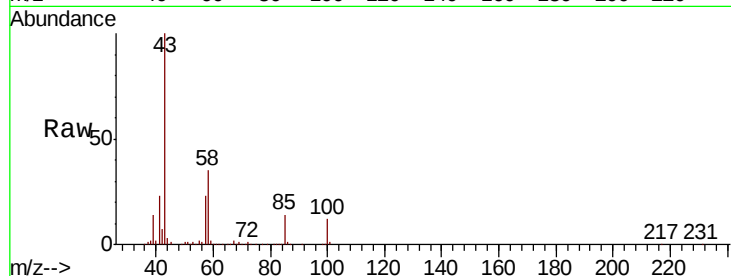
VN0330MBS01

Tot Ion: 43 Resp: 537964

Ion Ratio Lower Upper

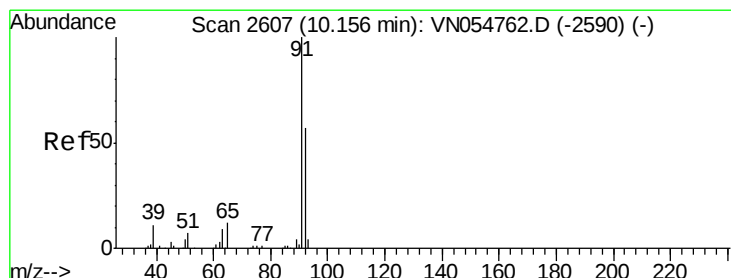
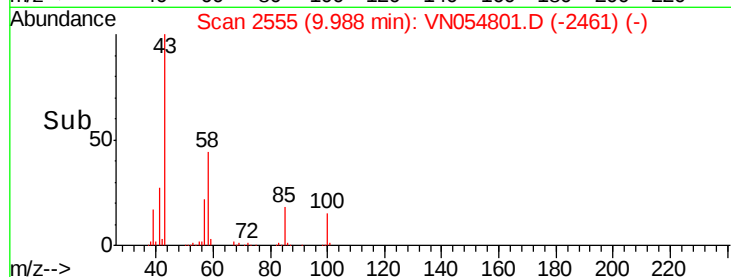
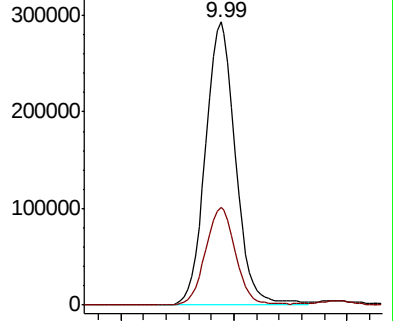
43 100

58 34.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.231 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054801.D

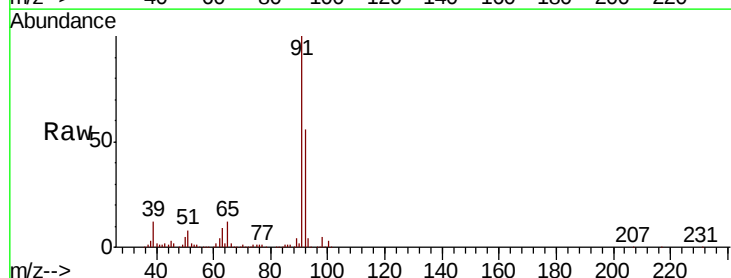
Acq: 30 Mar 2019 14:39

Tgt Ion: 92 Resp: 229208

Ion Ratio Lower Upper

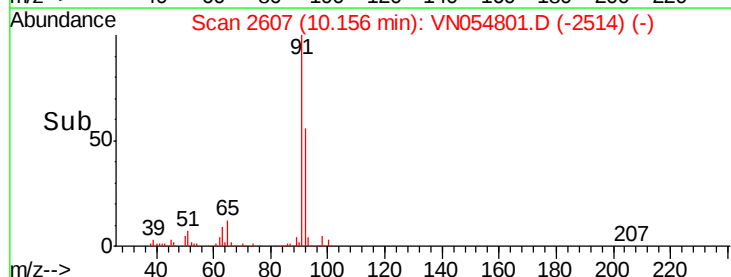
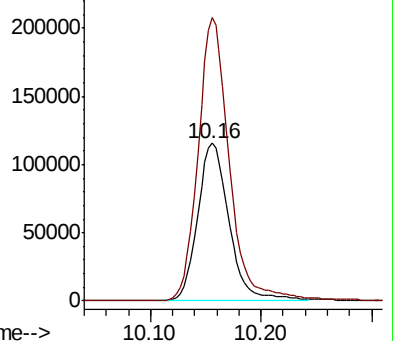
92 100

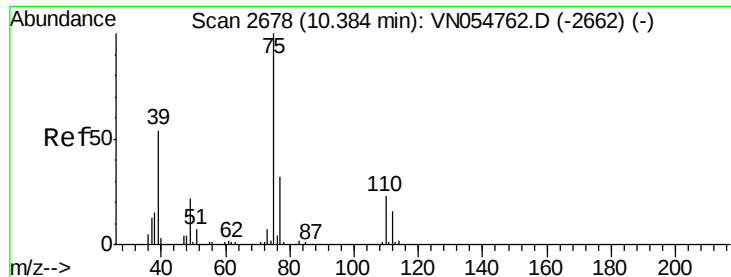
91 178.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.672 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

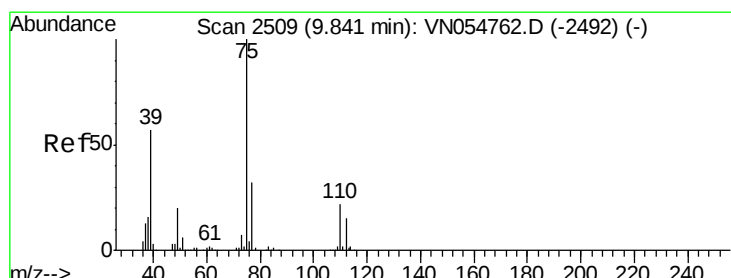
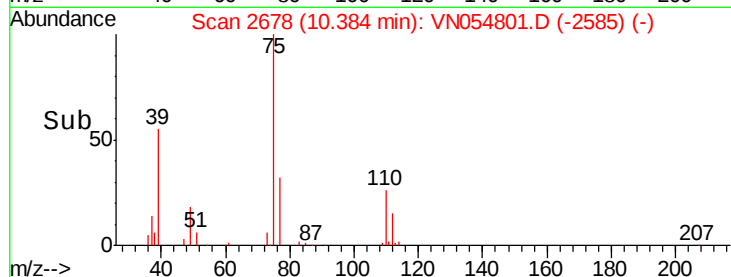
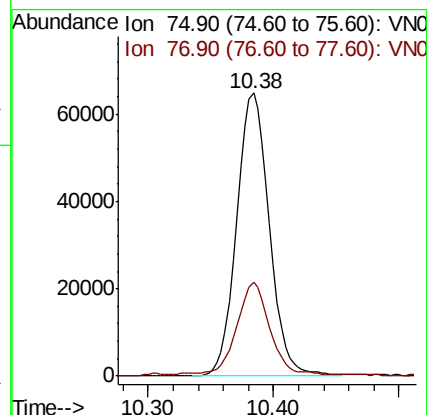
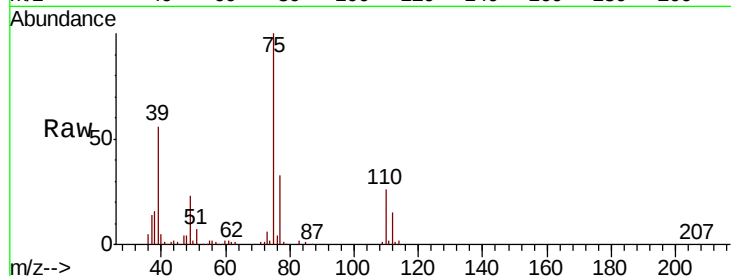
VN0330MBS01

Tot Ion: 75 Resp: 117457

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.462 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

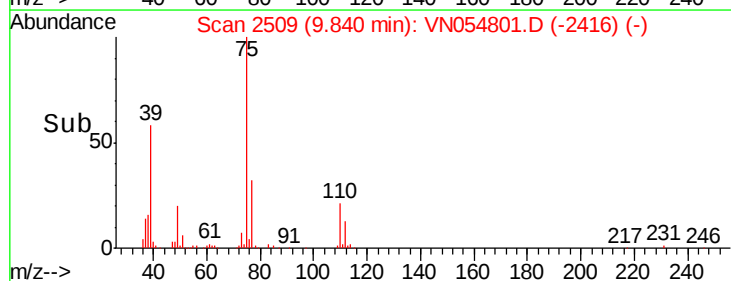
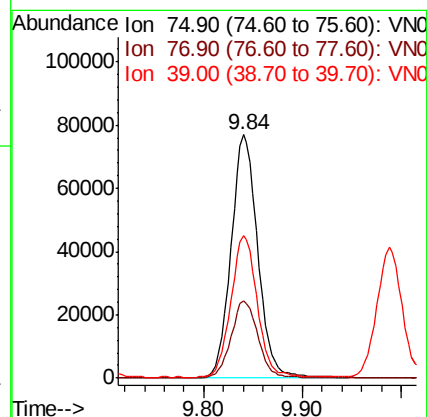
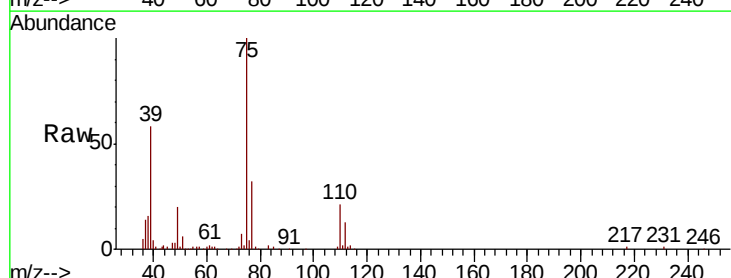
Tgt Ion: 75 Resp: 145939

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 58.0 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.427 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

Tot Ion: 97 Resp: 90267

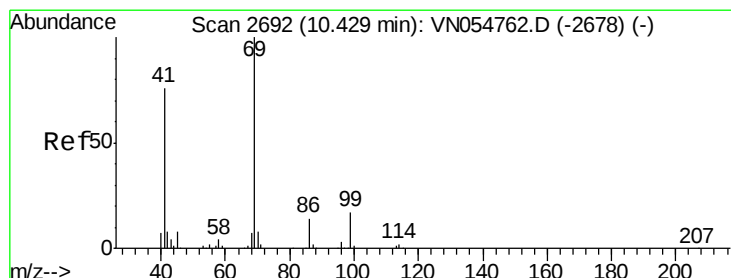
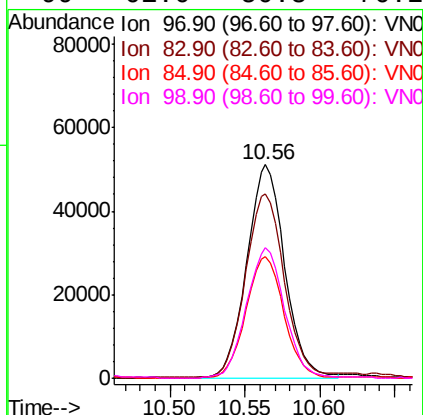
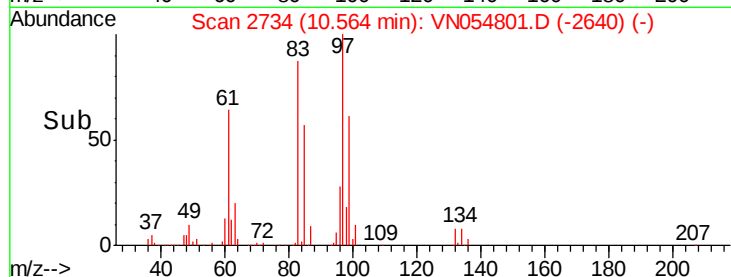
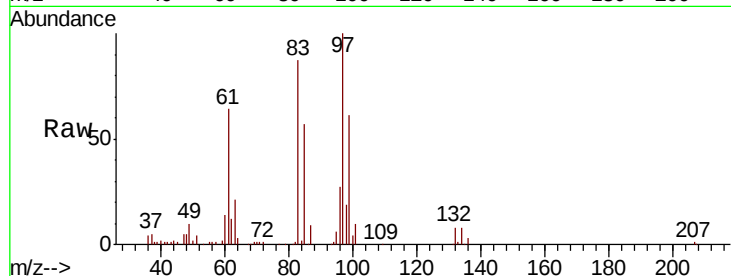
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.6	100.0
85	56.9	44.4	66.6
99	61.0	50.8	76.2

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: 21.821 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

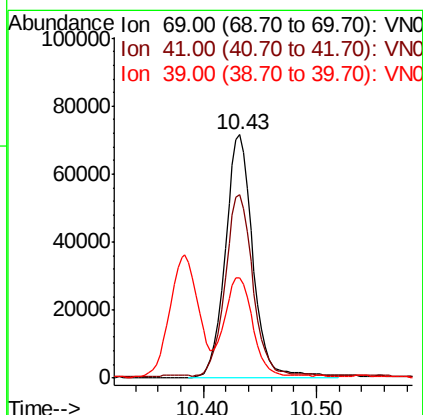
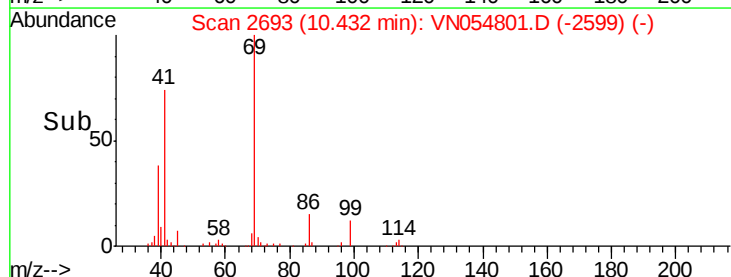
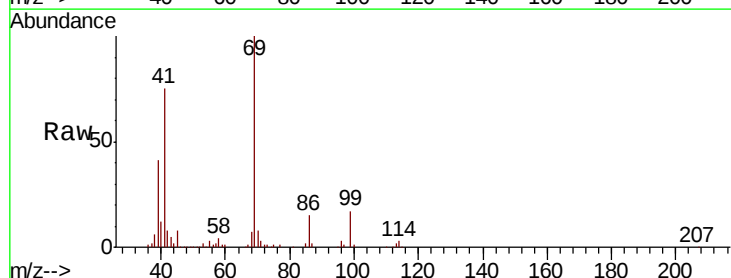
Tgt Ion: 69 Resp: 120588

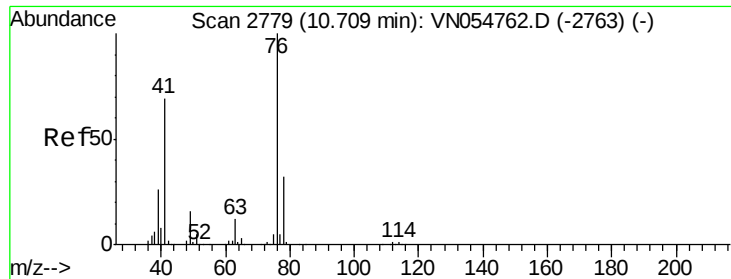
Ion	Ratio	Lower	Upper
69	100		
41	75.1	49.4	74.2#
39	42.5	28.3	42.5#

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.285 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

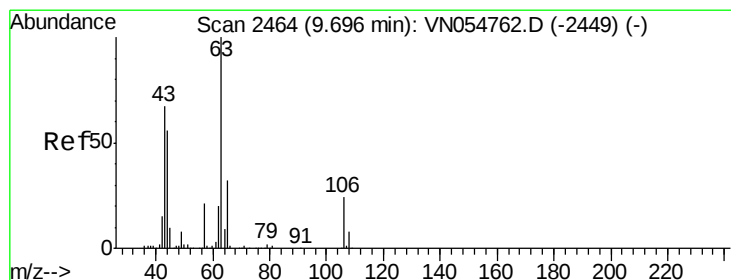
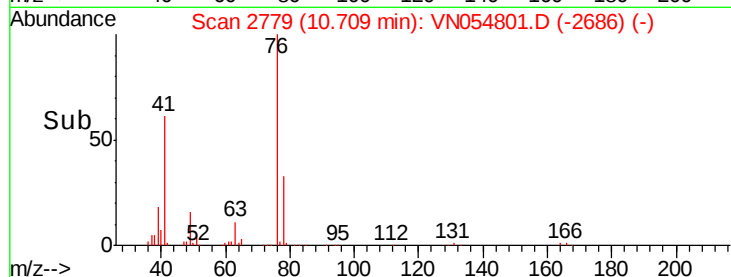
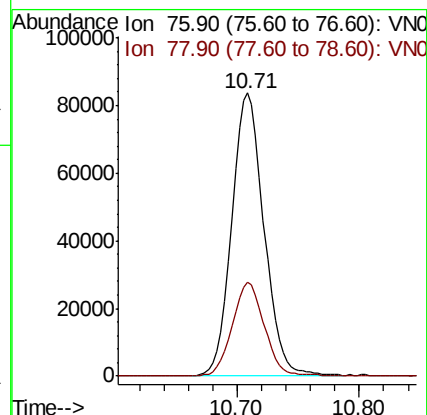
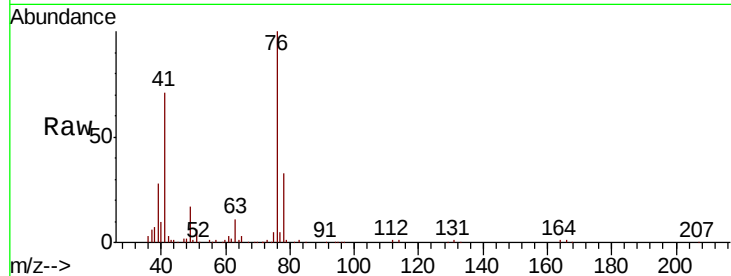
VN0330MBS01

Tot Ion: 76 Resp: 154161

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 105.049 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054801.D

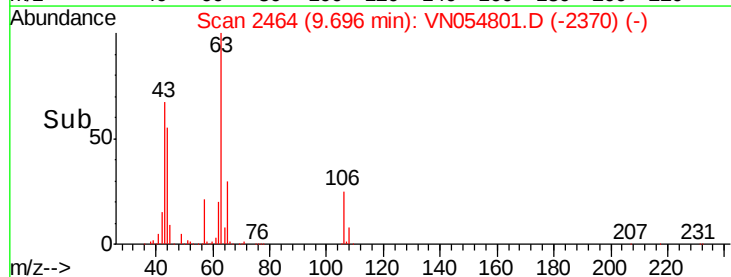
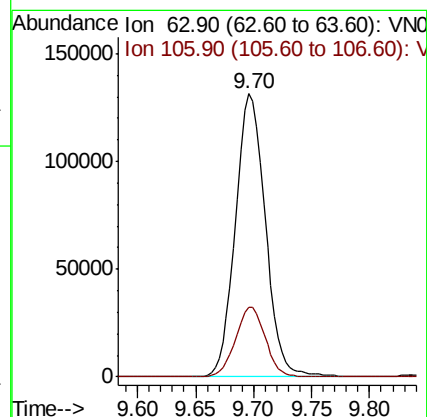
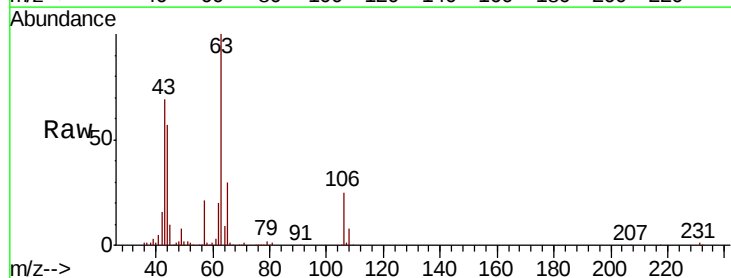
Acq: 30 Mar 2019 14:39

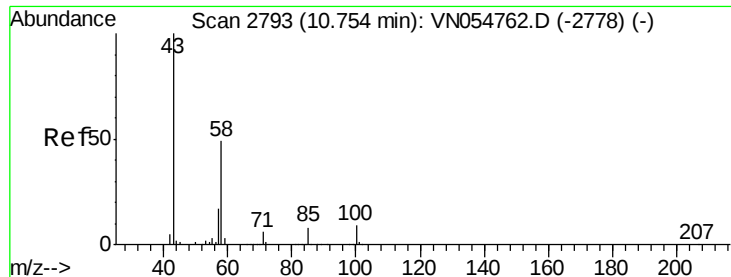
Tgt Ion: 63 Resp: 235161

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6

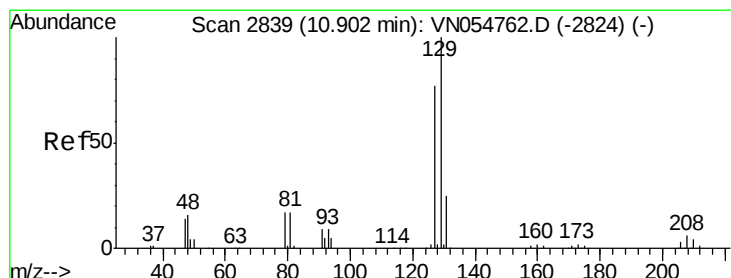
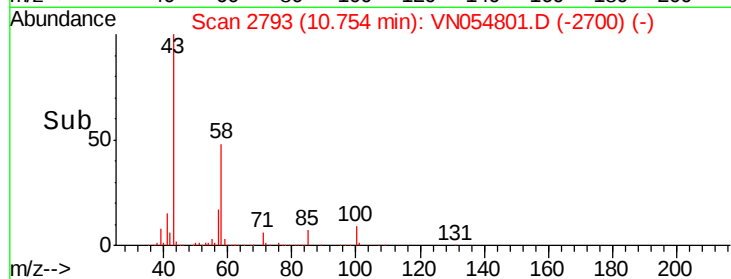
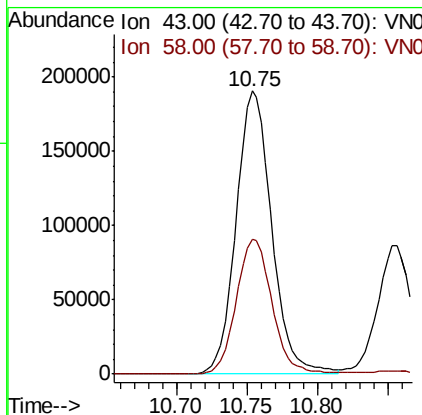
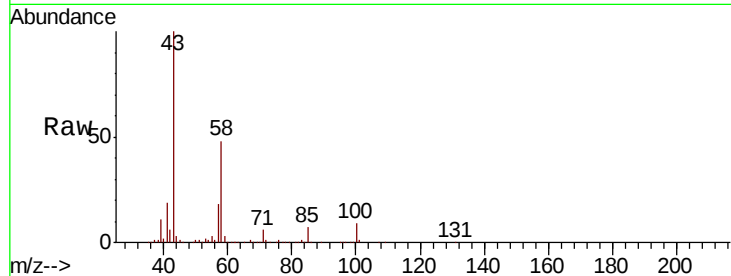




#59
2-Hexanone
Concen: 117.013 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

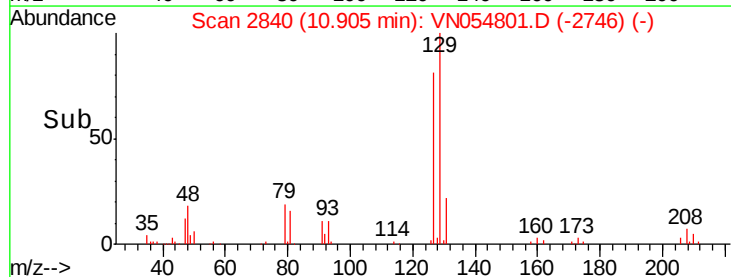
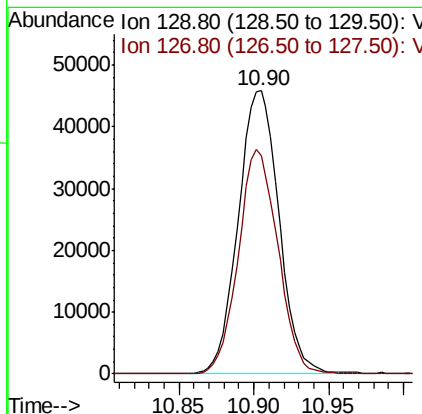
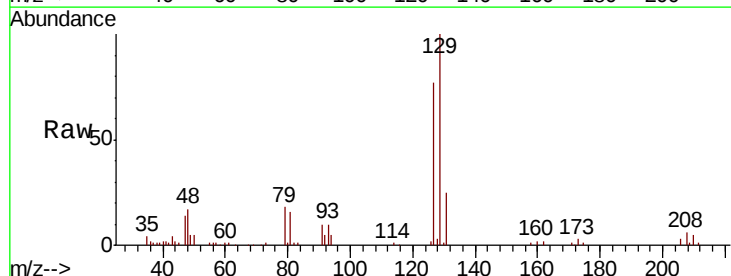
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

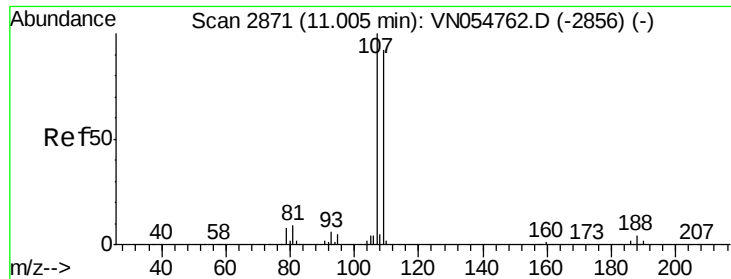
Tot Ion: 43 Resp: 333919
Ion Ratio Lower Upper
43 100
58 48.5 28.0 83.9



#60
Dibromochloromethane
Concen: 20.396 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 129 Resp: 87039
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

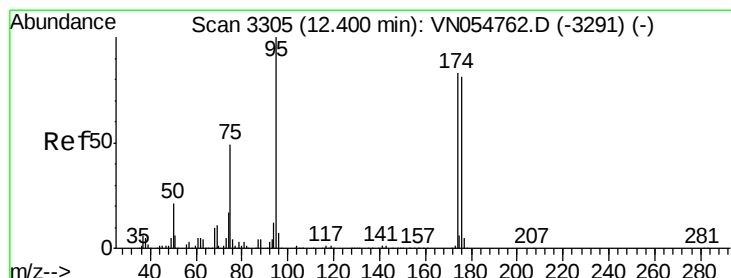
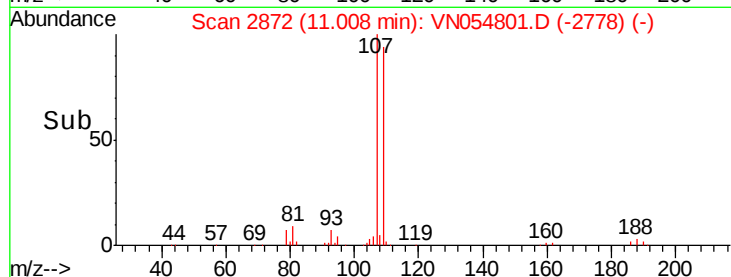
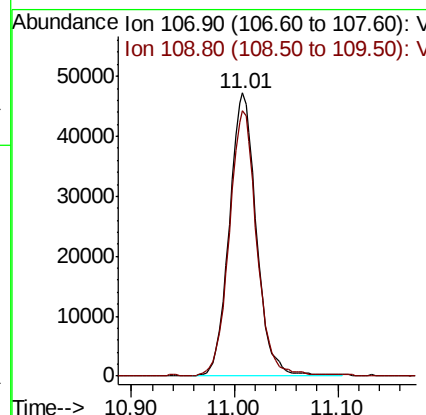
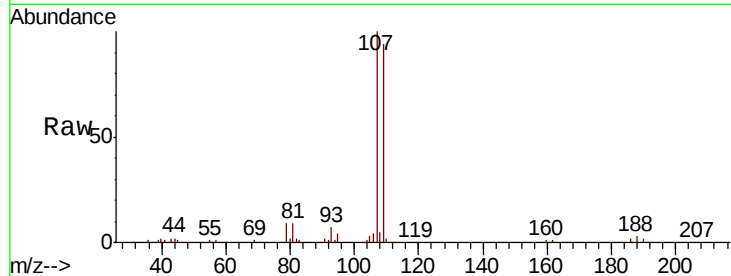




#61
 1,2-Dibromoethane
 Concen: 21.468 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

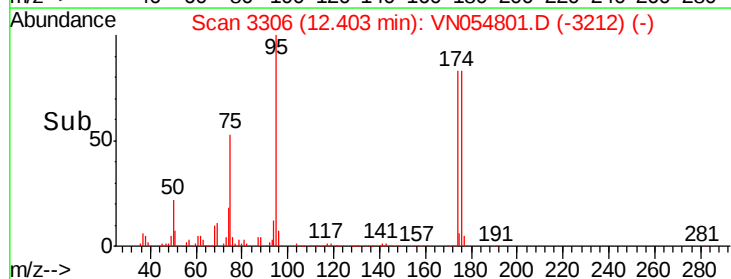
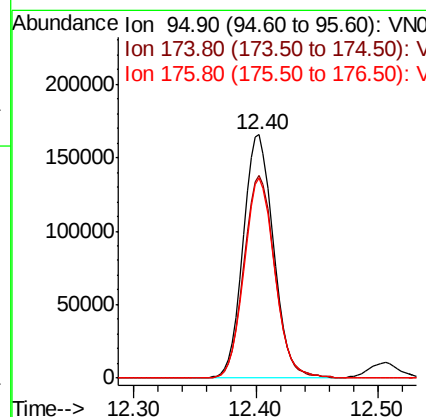
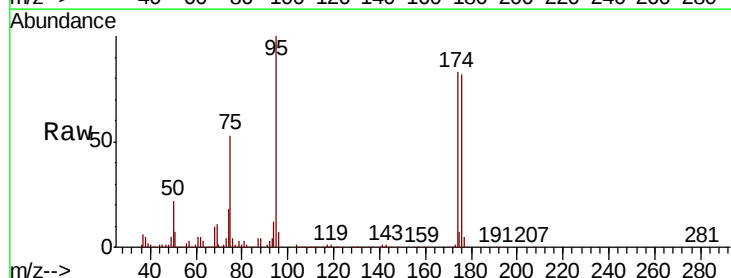
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

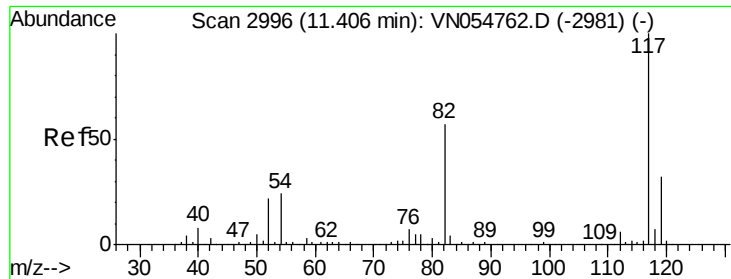
Tot Ion:107 Resp: 86430
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.297 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 95 Resp: 284310
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 82.8 0.0 187.4

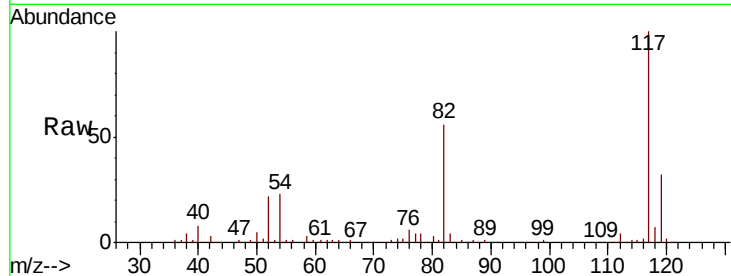




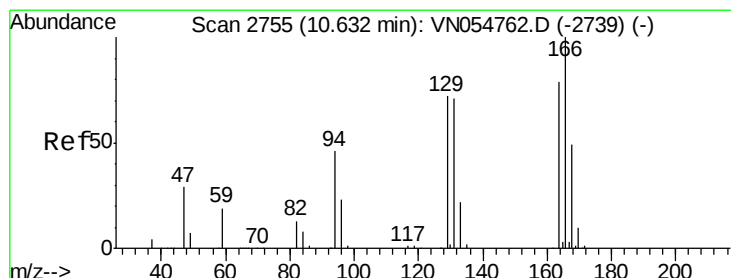
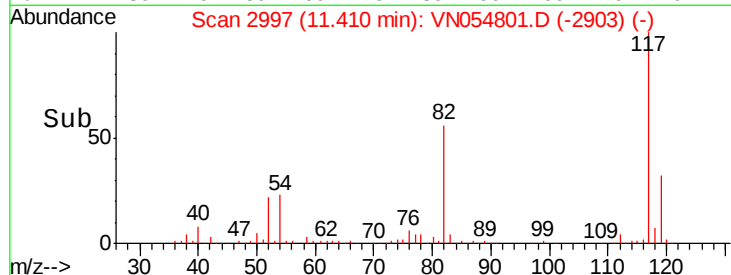
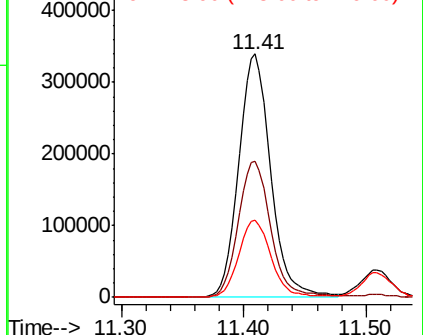
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

Tot Ion:117 Resp: 614896
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 31.6 25.8 38.6

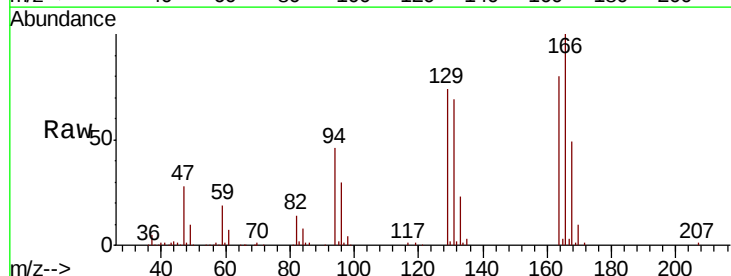


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

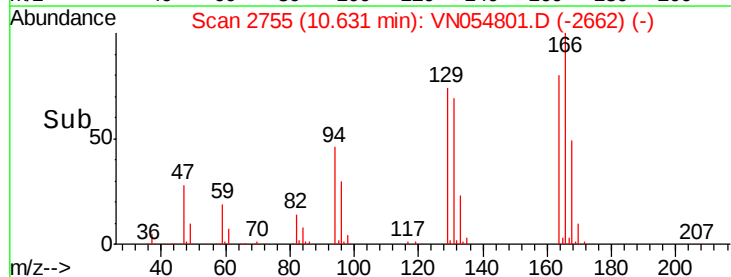
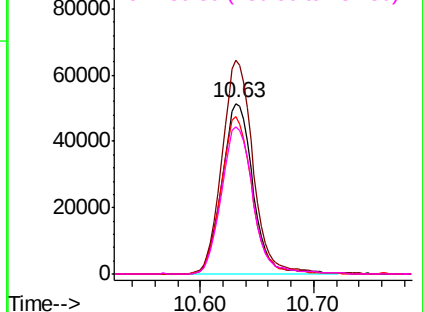


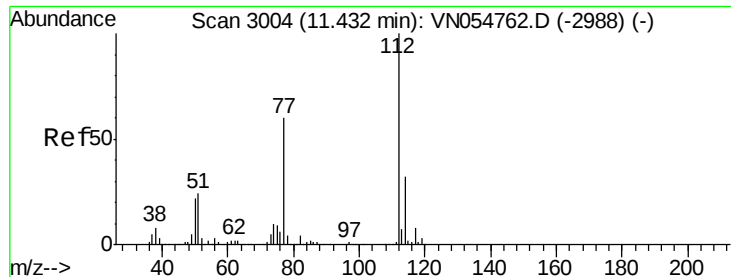
#64
Tetrachloroethene
Concen: 20.781 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion:164 Resp: 98055
Ion Ratio Lower Upper
164 100
166 125.4 103.9 155.9
129 92.3 71.1 106.7
131 86.4 68.2 102.4



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





#65

Chlorobenzene

Concen: 20.199 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

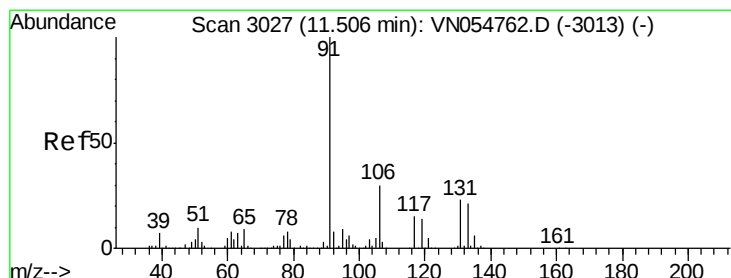
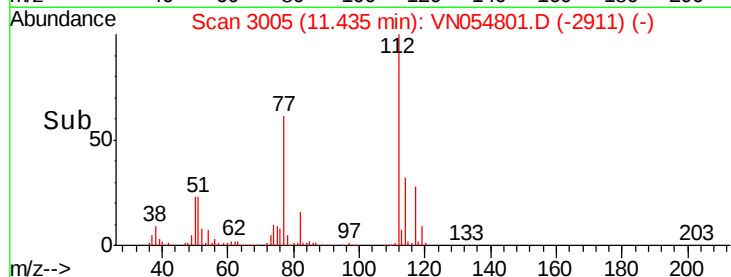
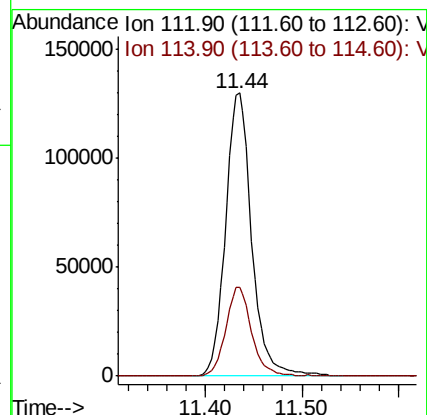
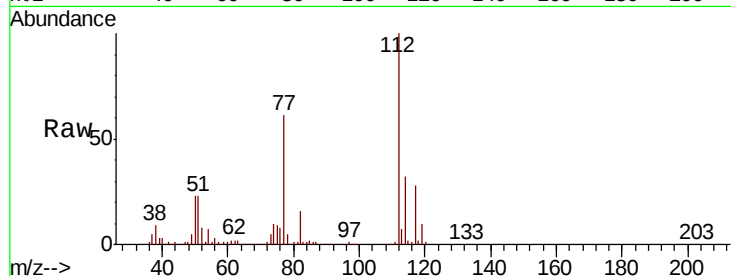
VN0330MBS01

Tot Ion:112 Resp: 243175

Ion Ratio Lower Upper

112 100

114 31.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.844 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

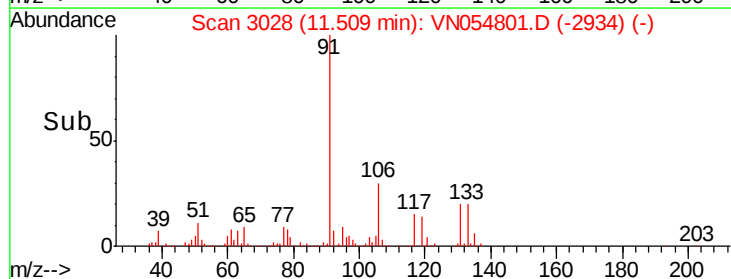
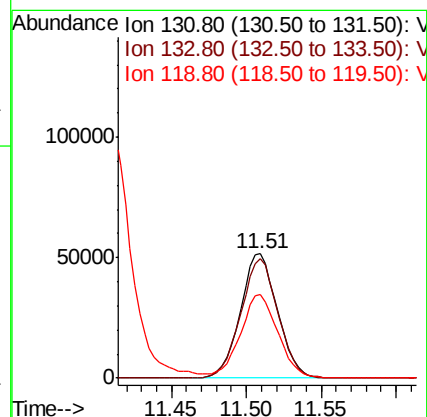
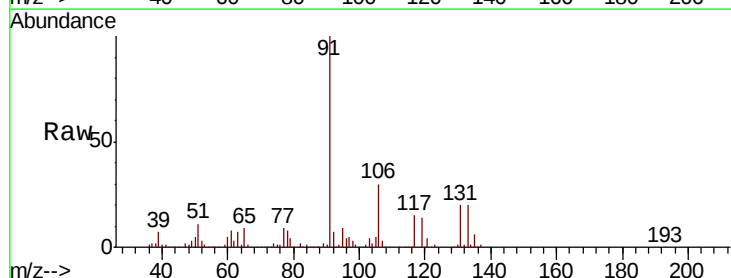
Tgt Ion:131 Resp: 89421

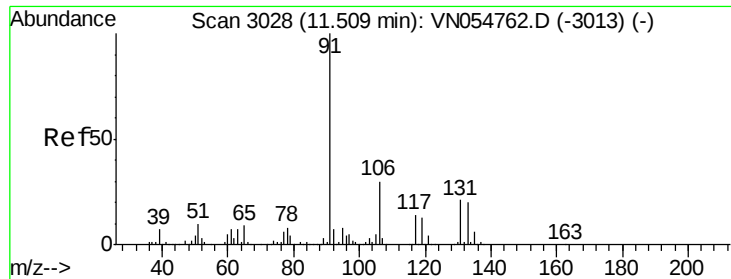
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

119 68.3 32.4 97.0

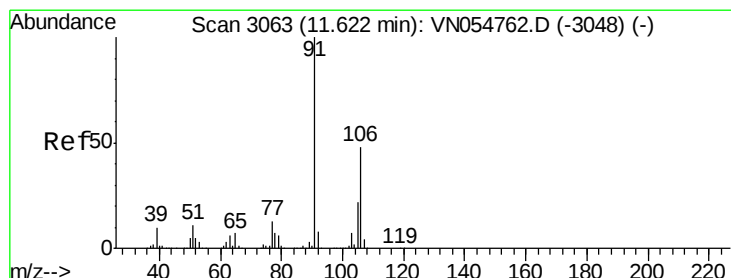
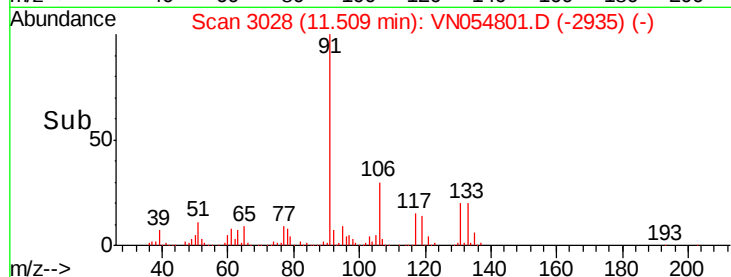
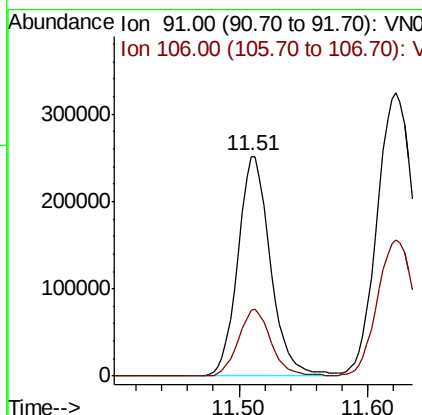
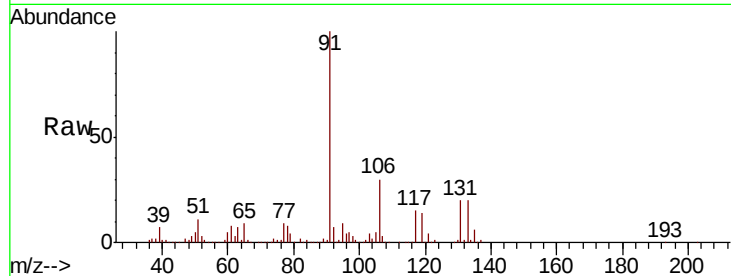




#67
Ethyl Benzene
Concen: 20.439 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

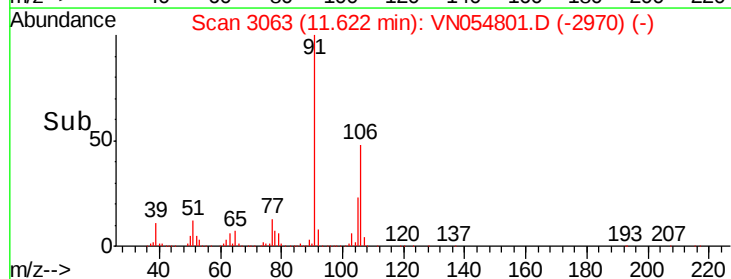
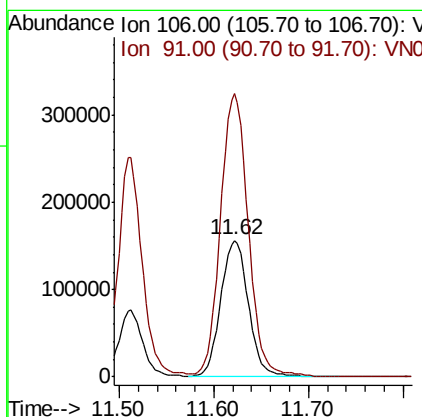
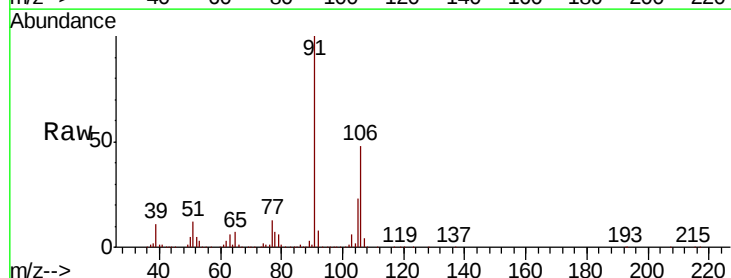
Instrument :
MSVOA_N
ClientSampled :
VN0330MBS01

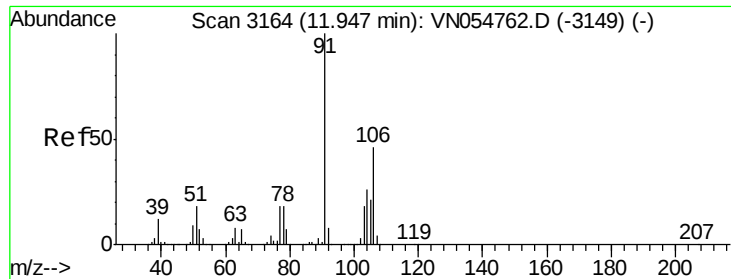
Tot Ion: 91 Resp: 444034
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3



#68
m/p-Xylenes
Concen: 39.803 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 106 Resp: 320004
Ion Ratio Lower Upper
106 100
91 206.9 159.4 239.2

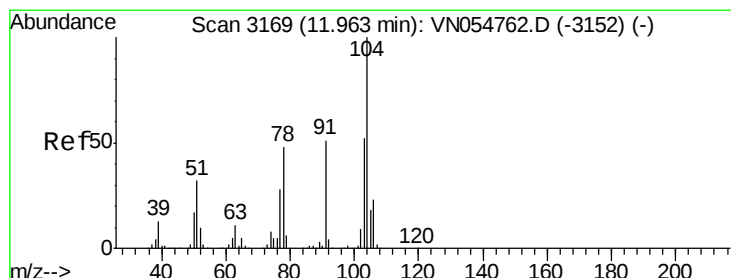
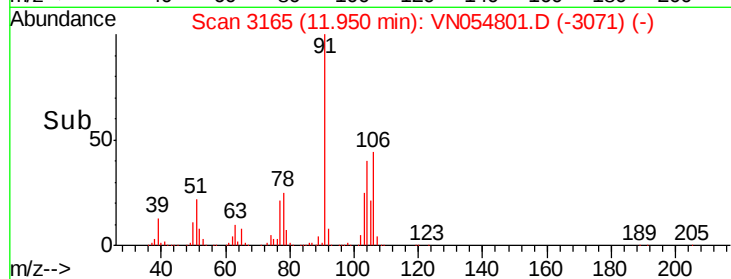
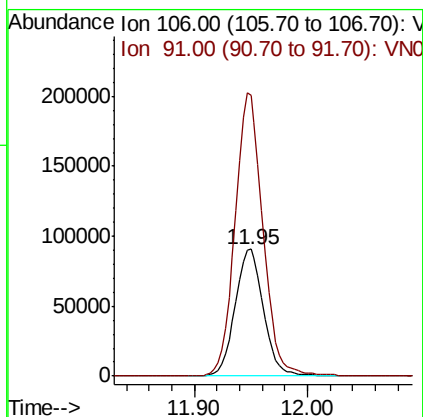
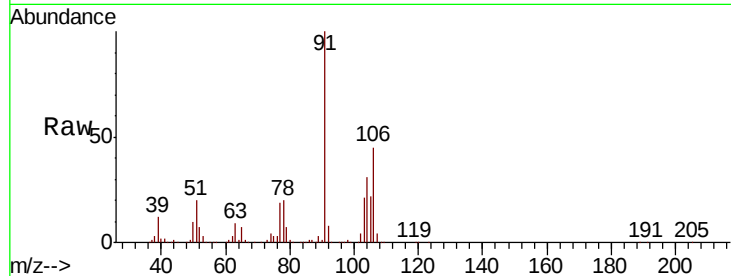




#69
o-Xylene
Concen: 20.178 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

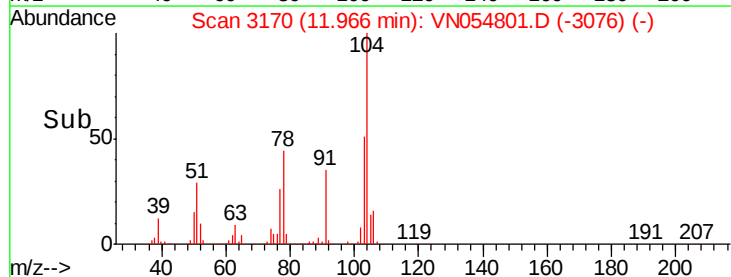
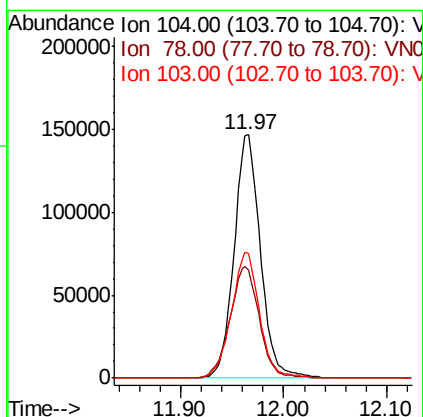
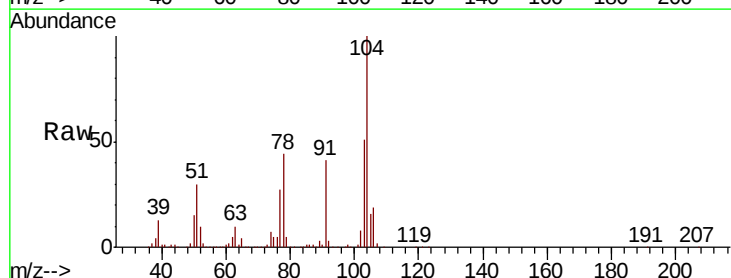
Instrument :
MSVOA_N
ClientSampled :
VN0330MBS01

Tot Ion:106 Resp: 159074
Ion Ratio Lower Upper
106 100
91 217.5 105.7 317.1



#70
Styrene
Concen: 20.746 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion:104 Resp: 261502
Ion Ratio Lower Upper
104 100
78 51.0 38.2 57.2
103 55.3 44.4 66.6

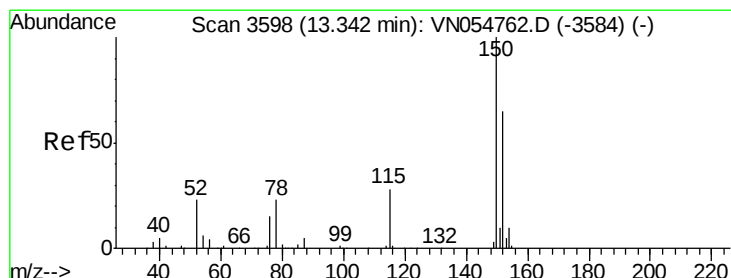
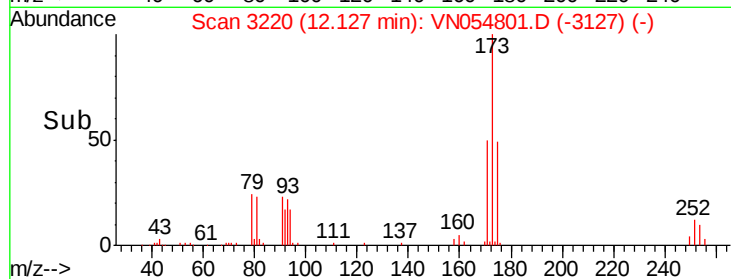
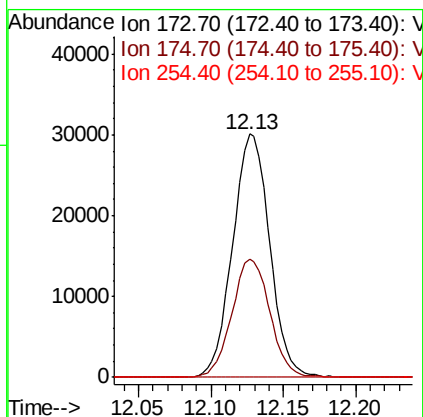
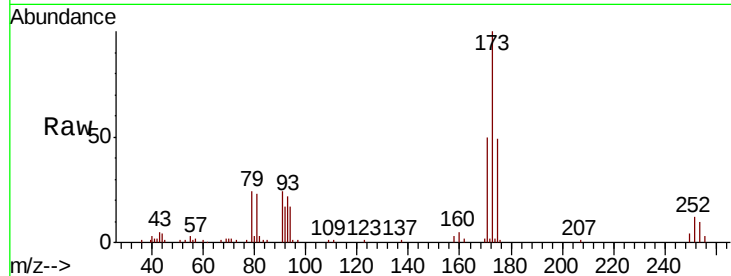




#71
Bromoform
Concen: 20.206 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

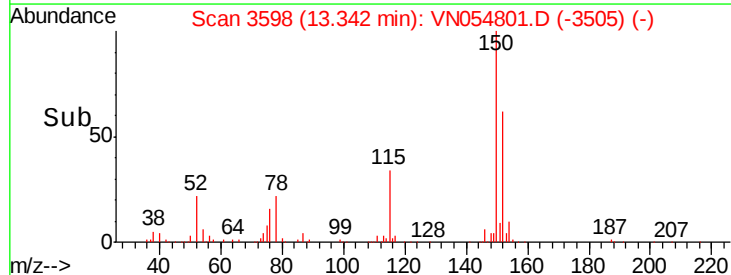
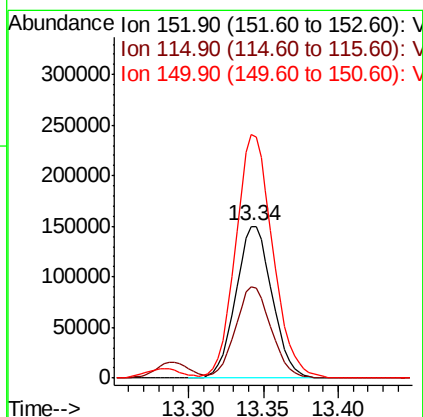
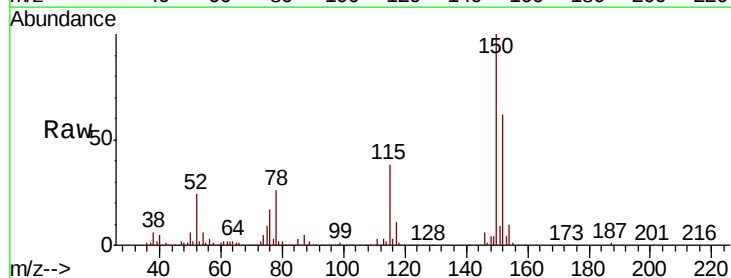
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

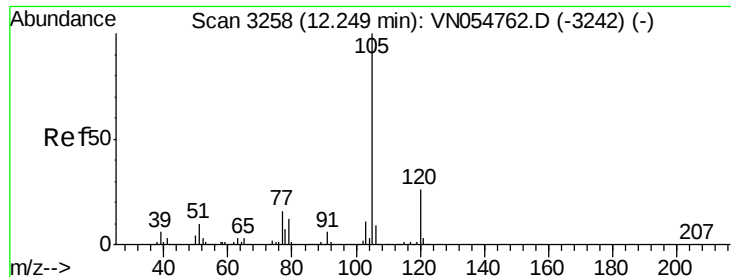
Tot Ion:173 Resp: 53342
Ion Ratio Lower Upper
173 100
175 49.8 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion:152 Resp: 253298
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 164.1 0.0 349.2





#73

Isopropylbenzene

Concen: 20.113 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

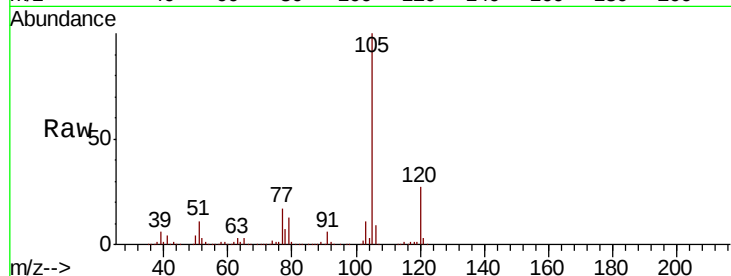
VN0330MBS01

Tot Ion:105 Resp: 416420

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

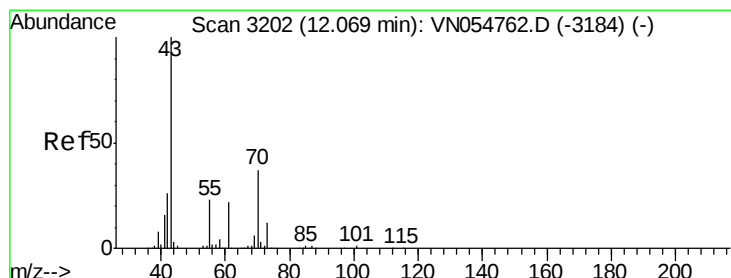
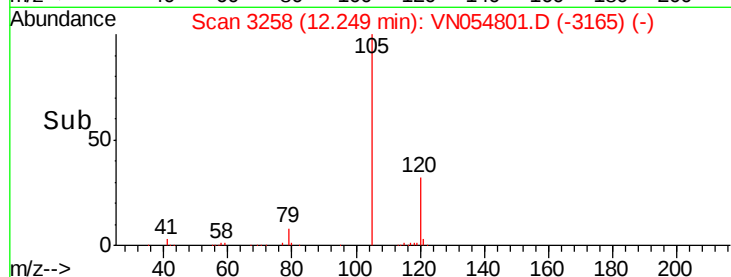
50000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 22.130 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Tgt Ion: 43 Resp: 142738

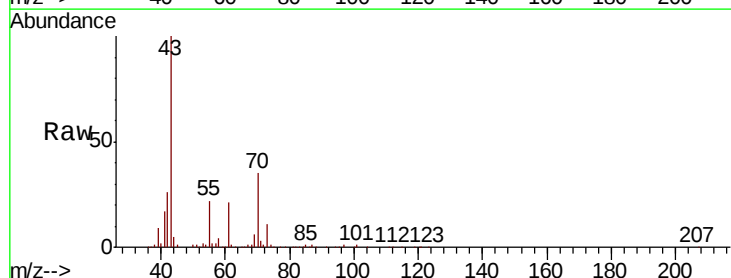
Ion Ratio Lower Upper

43 100

70 36.9 35.4 53.0

55 23.2 19.8 29.6

61 21.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

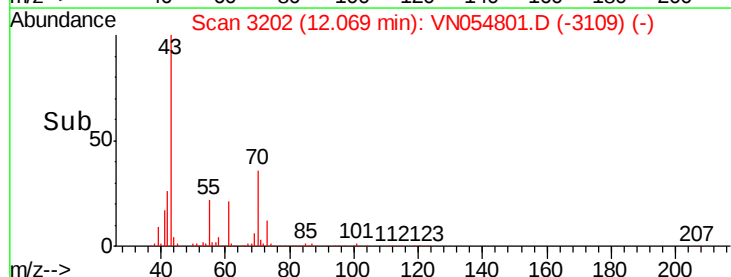
50000

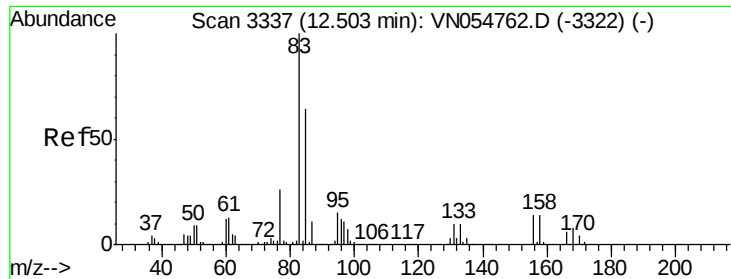
0

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.977 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

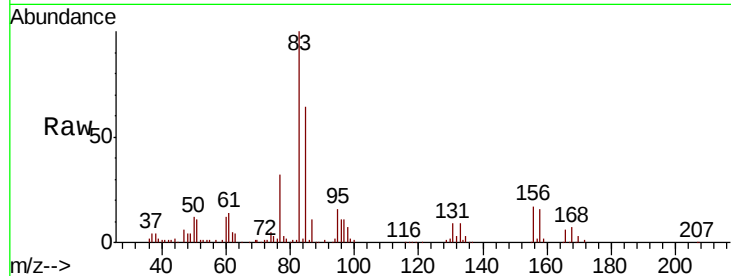
Tot Ion: 83 Resp: 113500

Ion Ratio Lower Upper

83 100

131 9.7 5.8 17.4

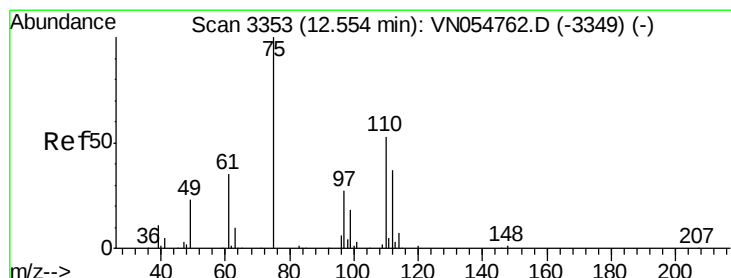
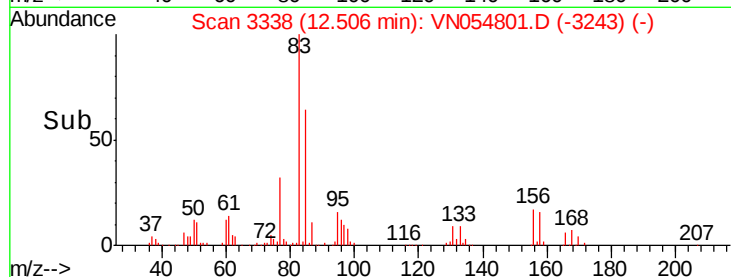
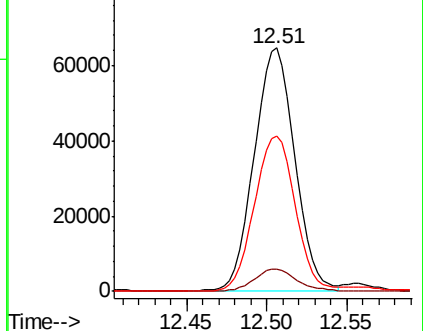
85 64.4 32.2 96.6



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: 29.910 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054801.D

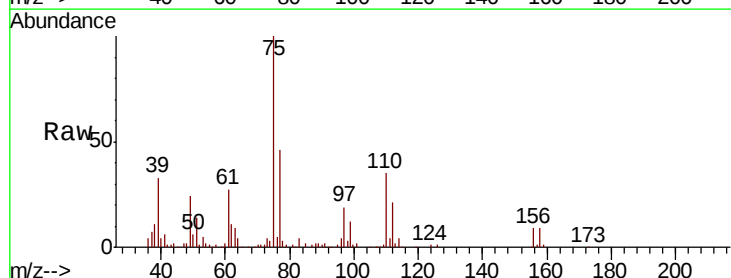
Acq: 30 Mar 2019 14:39

Tgt Ion: 75 Resp: 131615

Ion Ratio Lower Upper

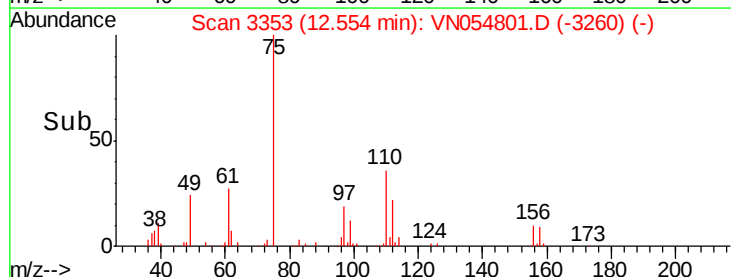
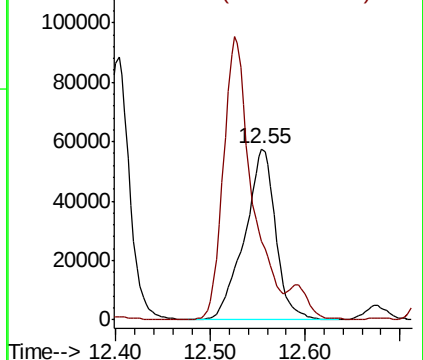
75 100

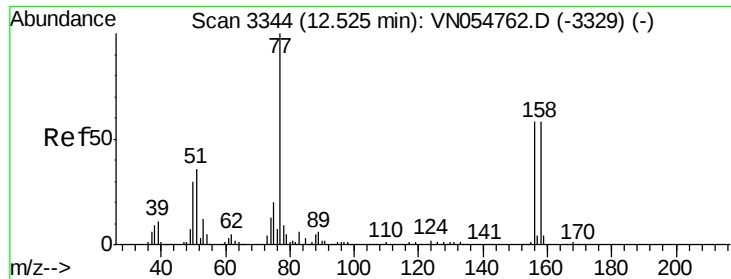
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.521 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

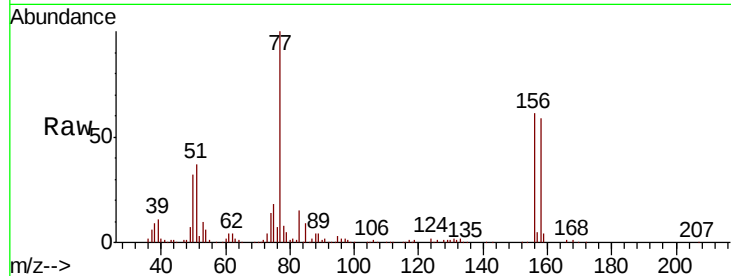
Tot Ion:156 Resp: 102538

Ion Ratio Lower Upper

156 100

77 195.7 81.5 244.4

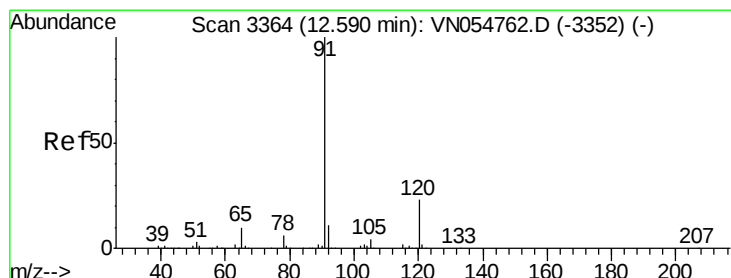
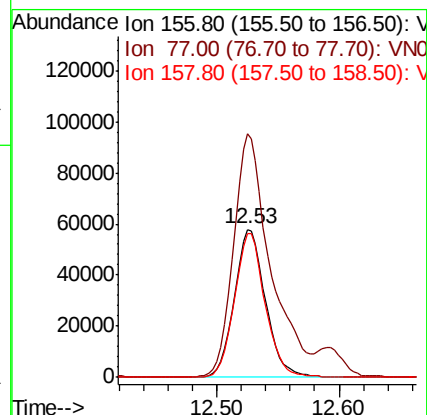
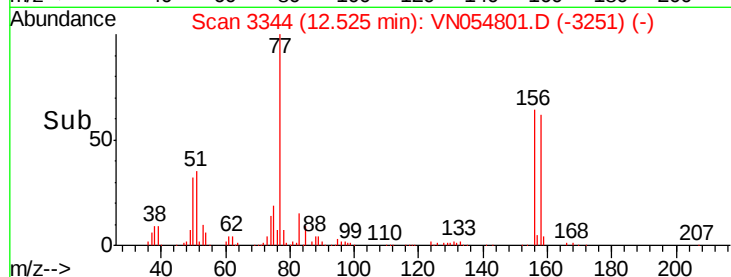
158 96.0 49.0 147.2



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: 19.943 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054801.D

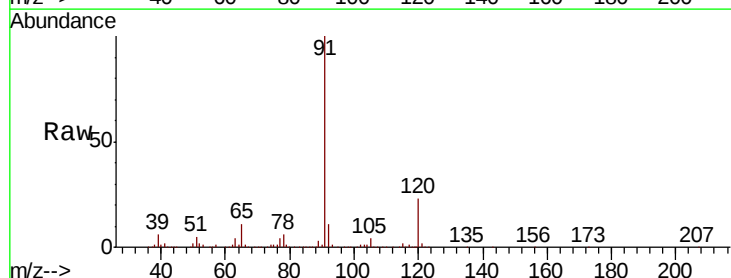
Acq: 30 Mar 2019 14:39

Tgt Ion: 91 Resp: 453806

Ion Ratio Lower Upper

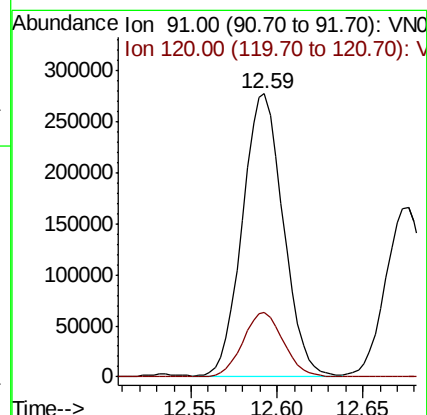
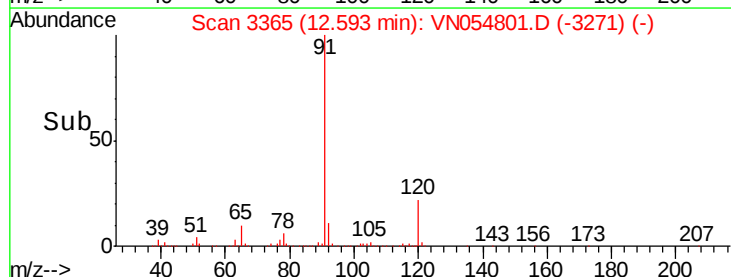
91 100

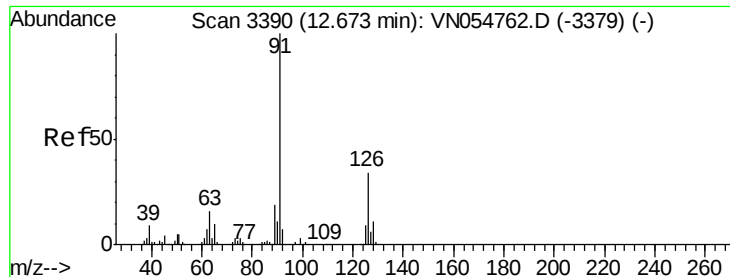
120 22.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

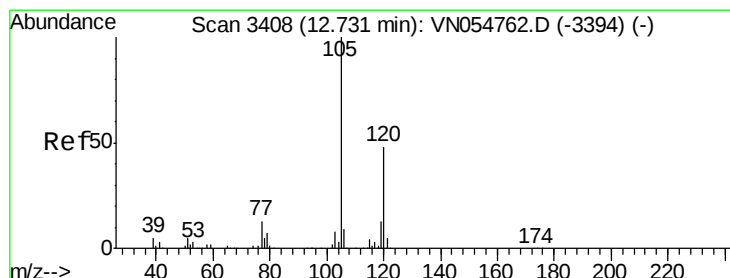
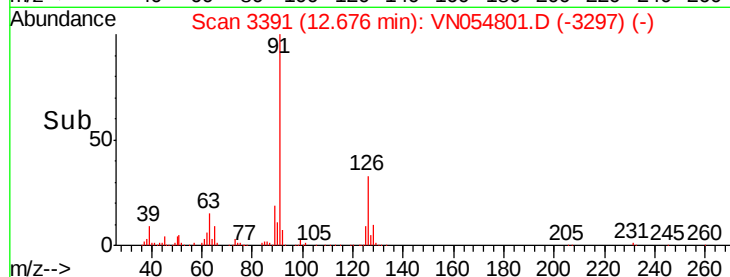
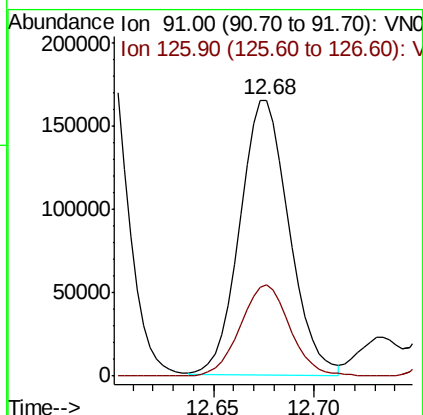
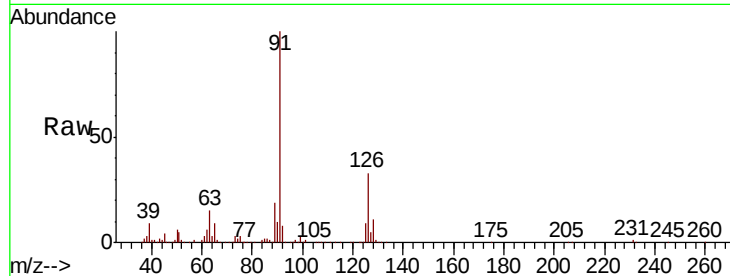




#79
 2-Chlorotoluene
 Concen: 19.981 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

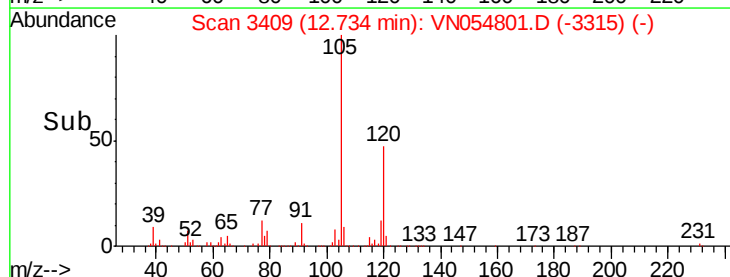
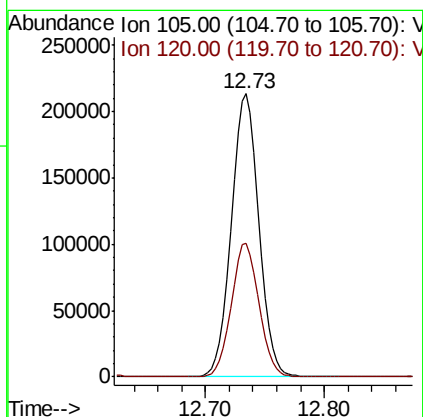
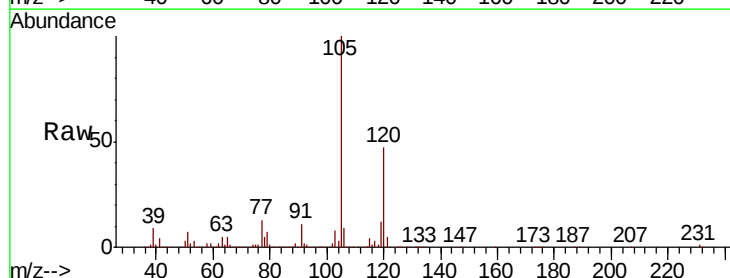
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

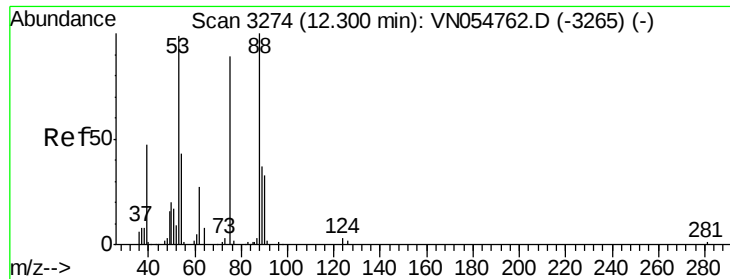
Tot Ion: 91 Resp: 281293
 Ion Ratio Lower Upper
 91 100
 126 33.7 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.007 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion: 105 Resp: 339880
 Ion Ratio Lower Upper
 105 100
 120 47.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.254 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

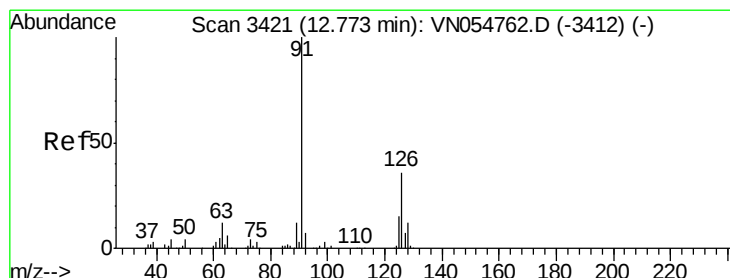
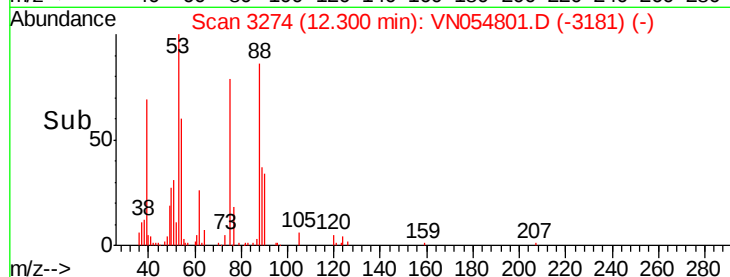
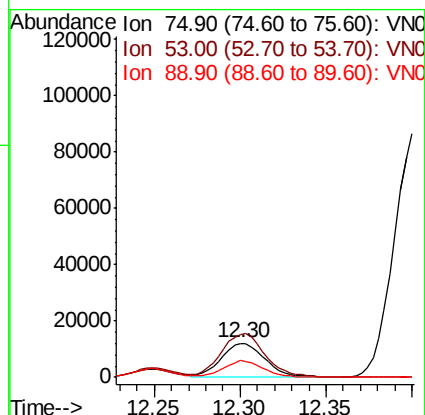
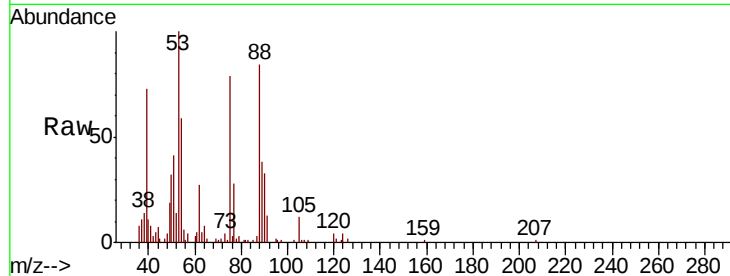
Tot Ion: 75 Resp: 20650

Ion Ratio Lower Upper

75 100

53 130.5 76.2 114.2#

89 46.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.199 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054801.D

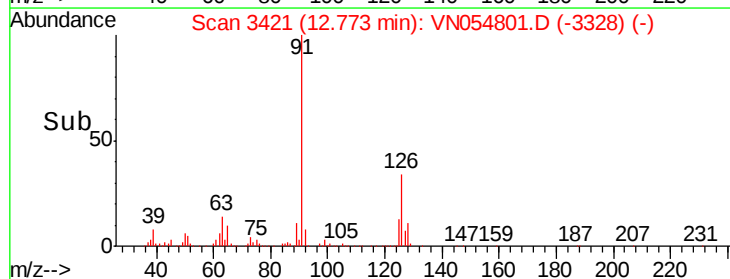
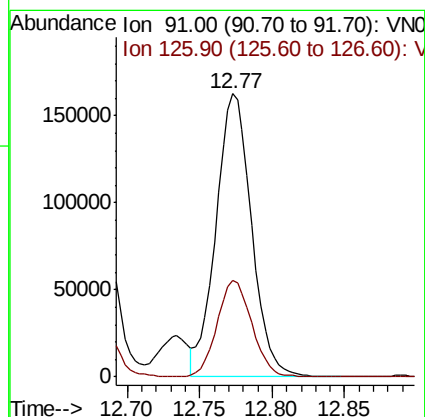
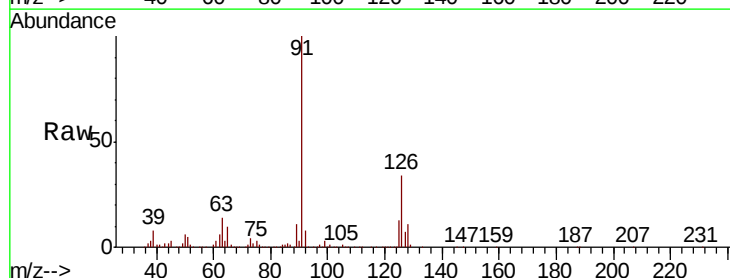
Acq: 30 Mar 2019 14:39

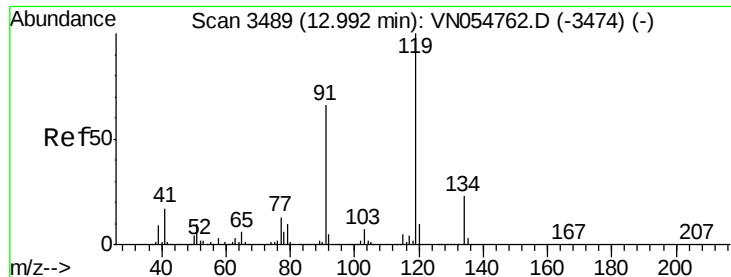
Tgt Ion: 91 Resp: 276197

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1

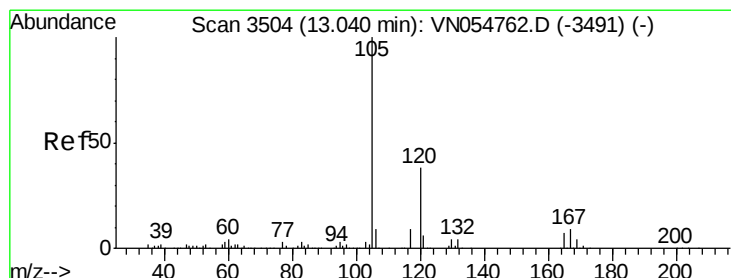
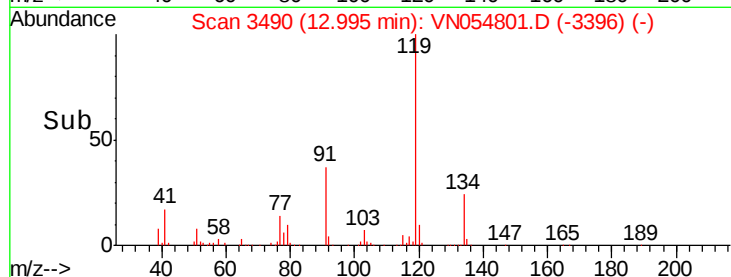
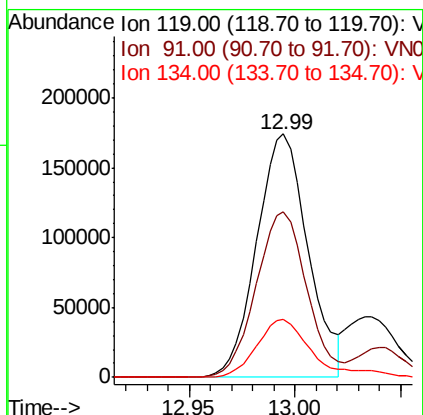
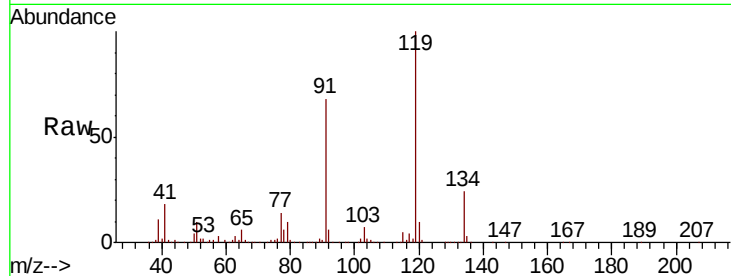




#83
tert-Butylbenzene
Concen: 21.233 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

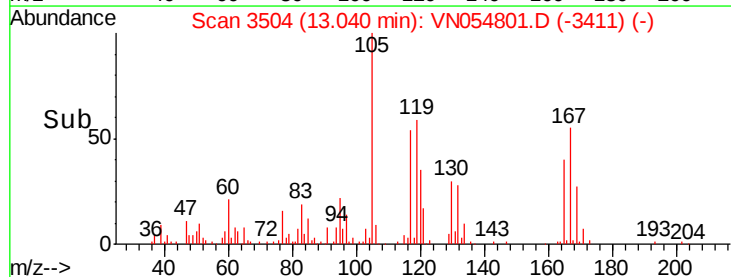
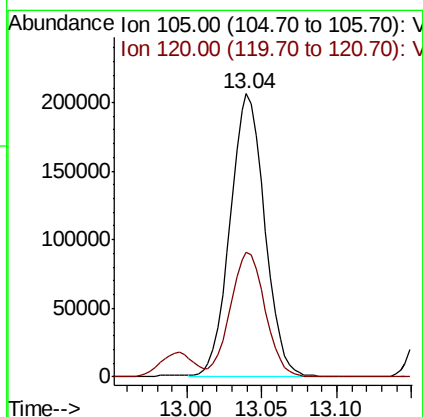
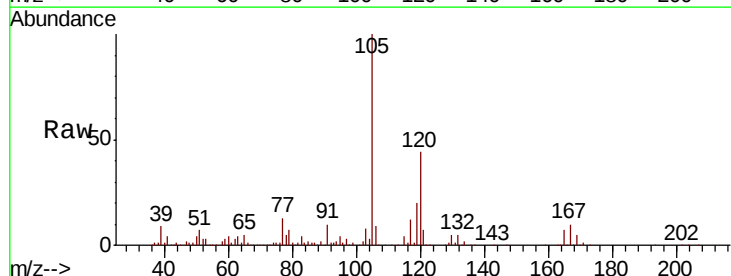
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

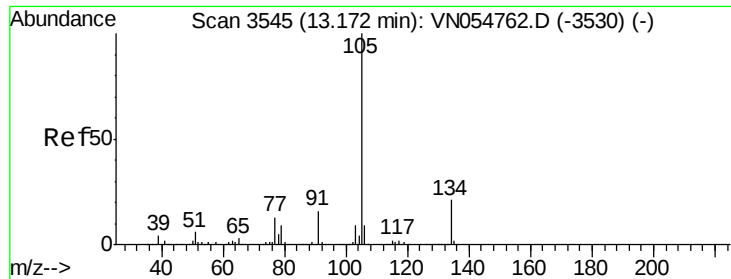
Tot Ion:119 Resp: 295283
Ion Ratio Lower Upper
119 100
91 66.9 30.9 92.8
134 25.9 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.430 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion:105 Resp: 330654
Ion Ratio Lower Upper
105 100
120 44.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.976 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

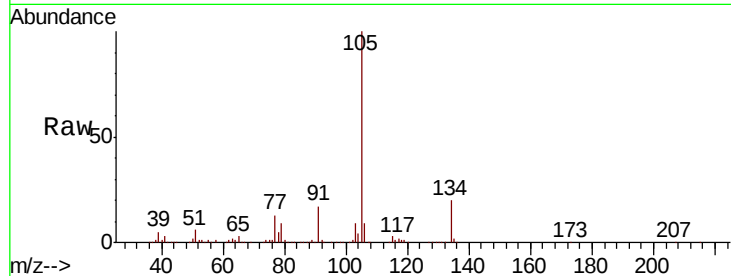
VN0330MBS01

Tot Ion:105 Resp: 368643

Ion Ratio Lower Upper

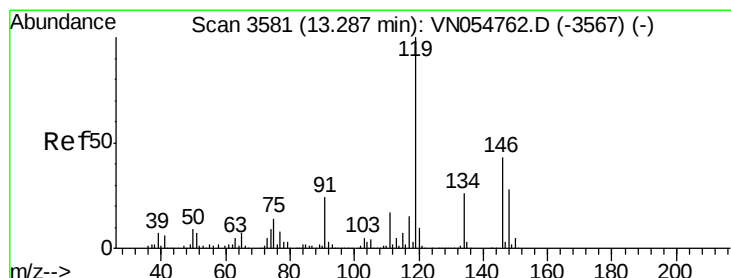
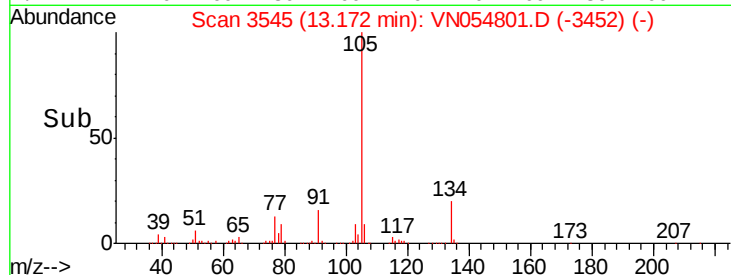
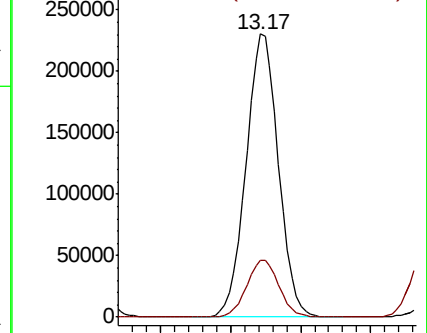
105 100

134 20.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.396 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

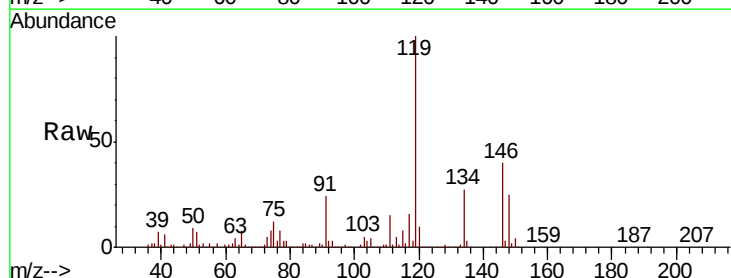
Tgt Ion:119 Resp: 315698

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

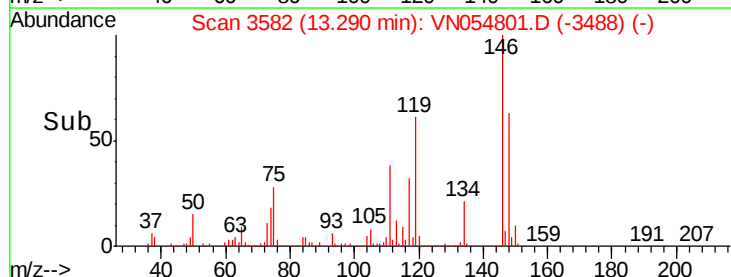
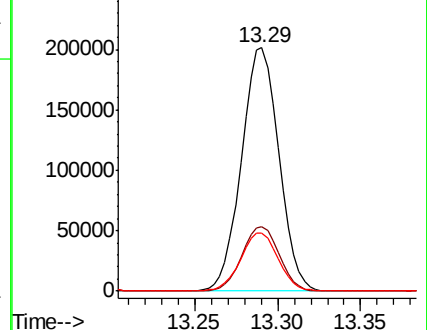
91 23.8 11.1 33.3

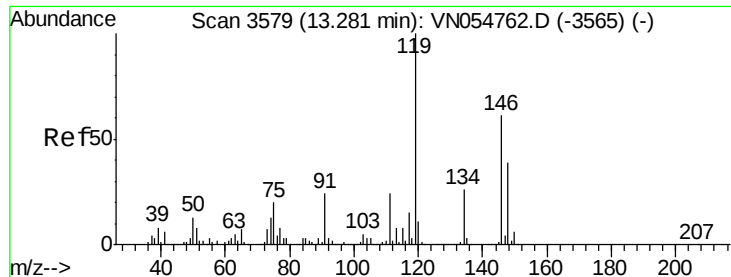


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

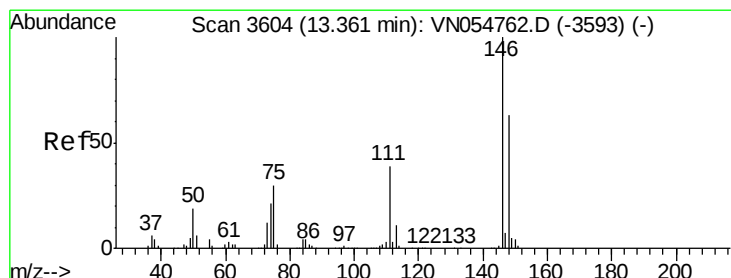
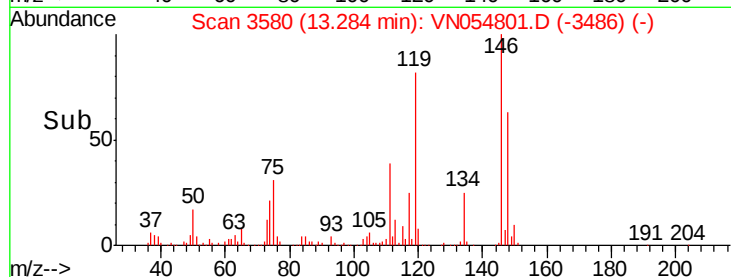
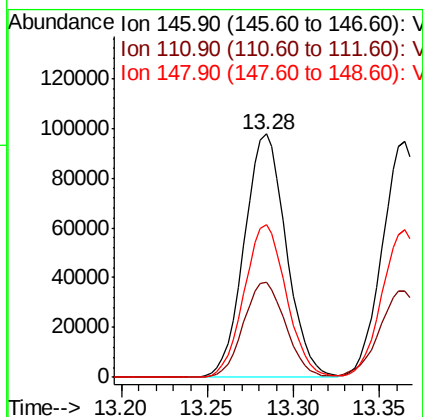
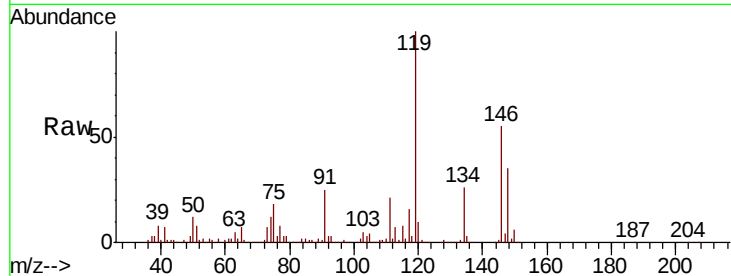




#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

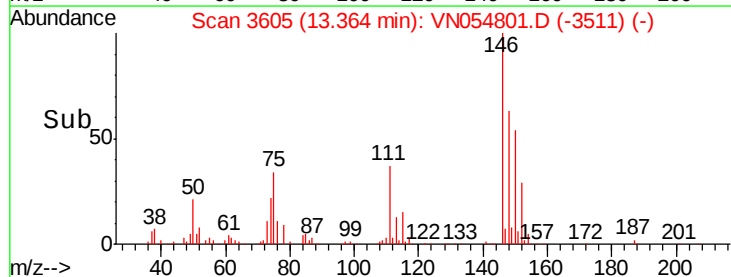
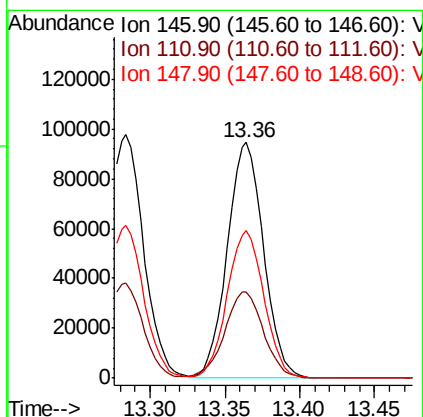
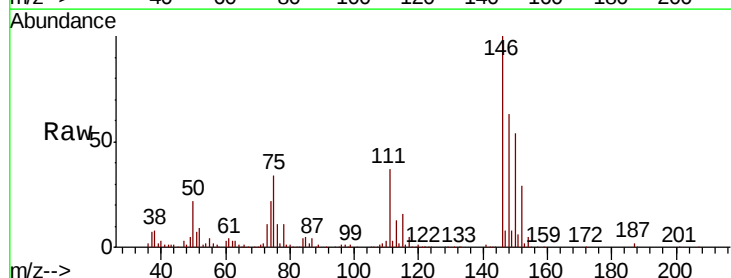
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

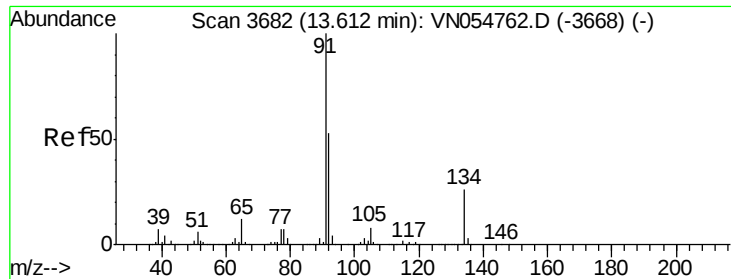
Tot Ion:146 Resp: 165564
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.8 56.3
 148 63.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.502 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion:146 Resp: 160014
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.1
 148 63.1 32.0 96.0

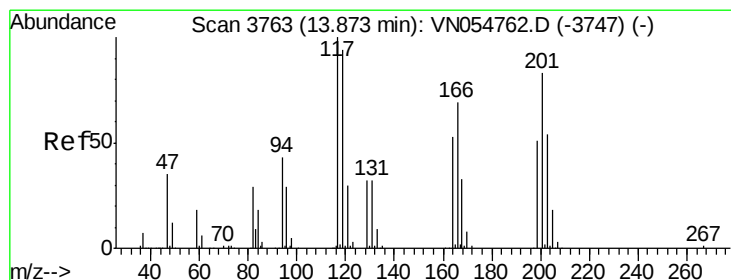
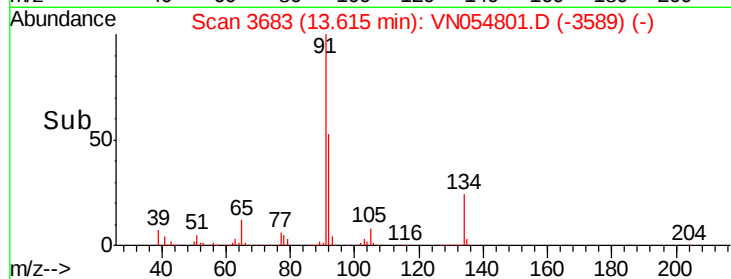
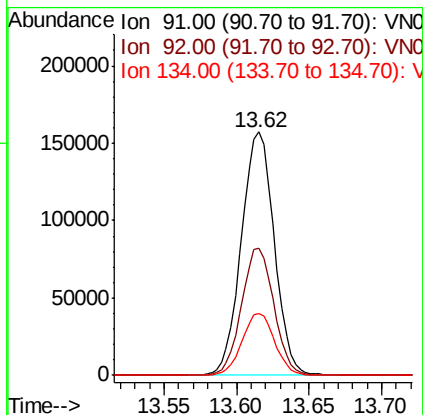
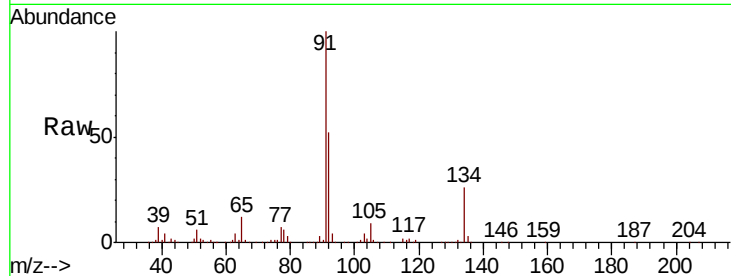




#89
n-Butylbenzene
Concen: 18.681 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

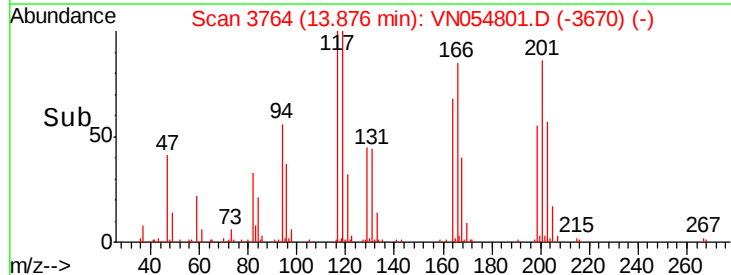
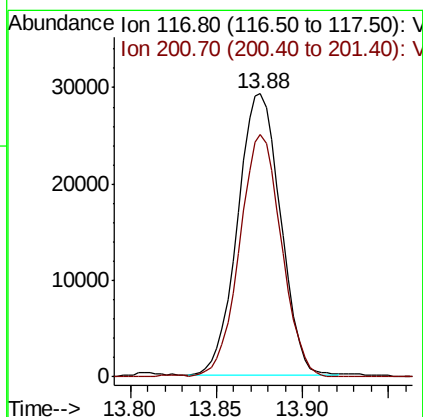
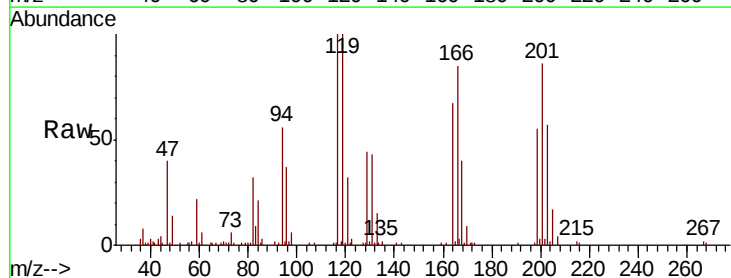
Instrument :
MSVOA_N
ClientSampleId :
VN0330MBS01

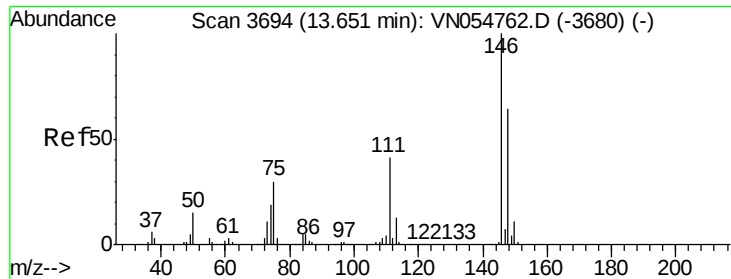
Tot Ion: 91 Resp: 248073
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.6
134 25.5 14.3 42.9



#90
Hexachloroethane
Concen: 18.234 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Tgt Ion: 117 Resp: 50390
Ion Ratio Lower Upper
117 100
201 84.4 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 19.935 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0330MBS01

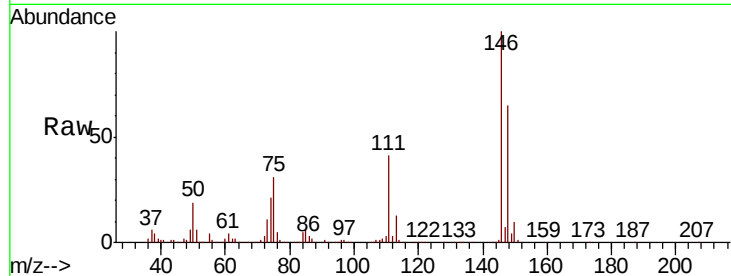
Tot Ion:146 Resp: 168306

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

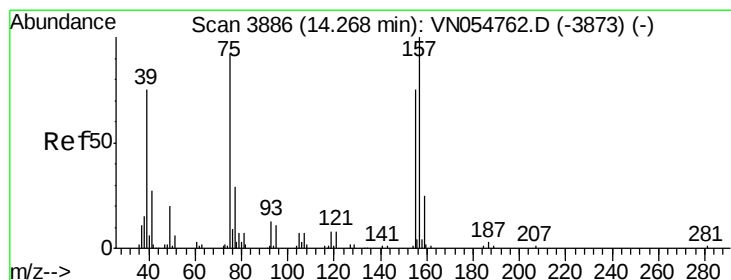
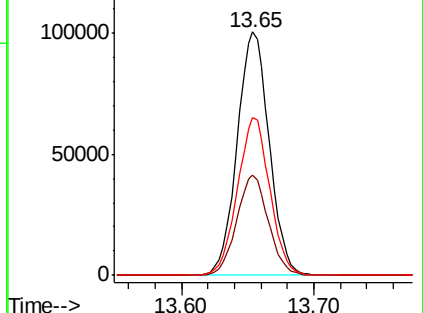
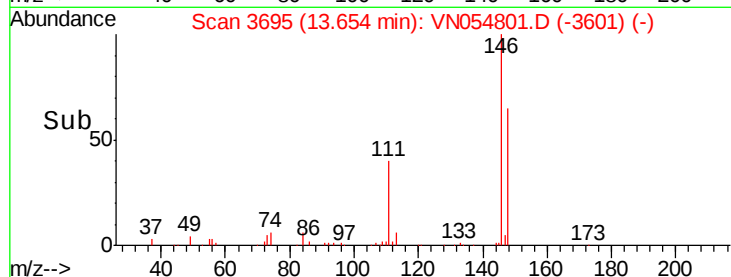
148 65.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.954 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

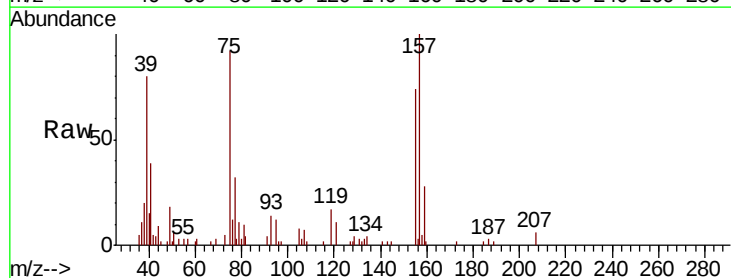
Tgt Ion: 75 Resp: 16954

Ion Ratio Lower Upper

75 100

155 75.8 50.1 150.3

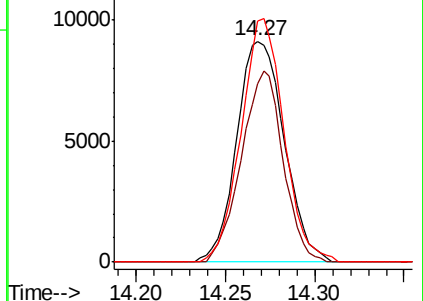
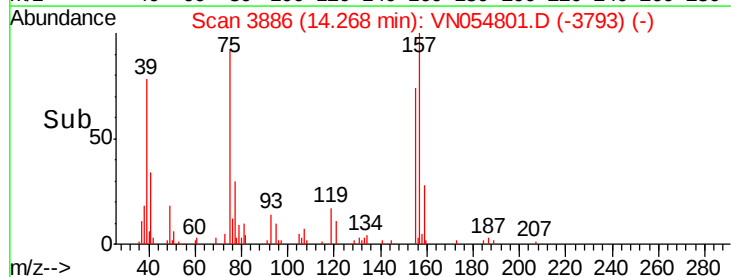
157 99.2 63.1 189.3

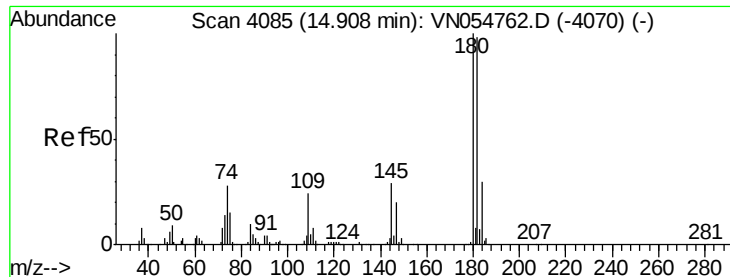


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

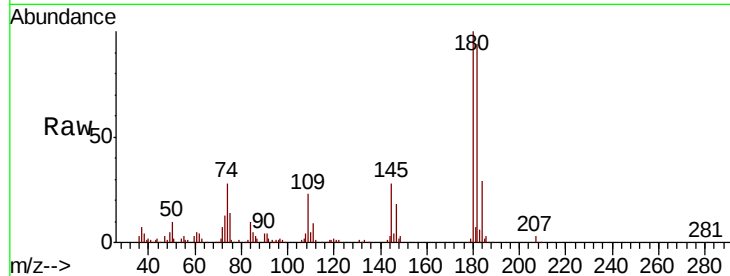




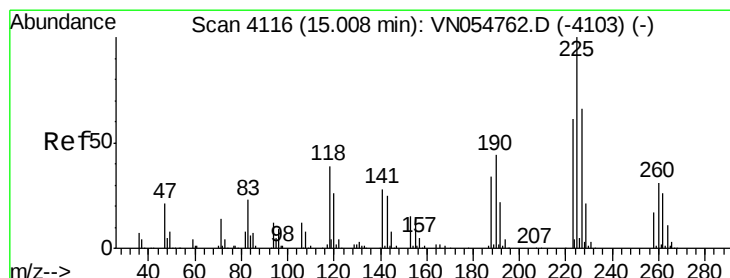
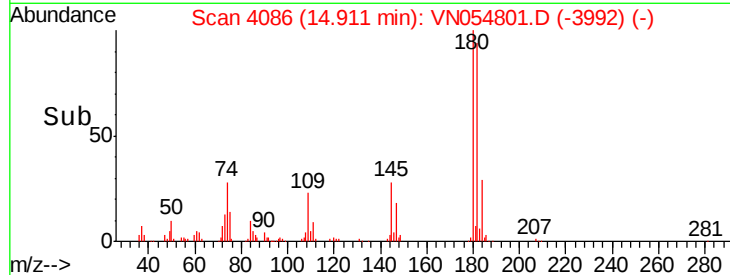
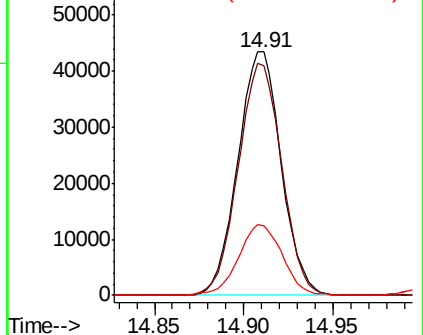
#93
 1,2,4-Trichlorobenzene
 Concen: 18.020 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330MBS01

Tot Ion:180 Resp: 73349
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 29.5 14.2 42.8

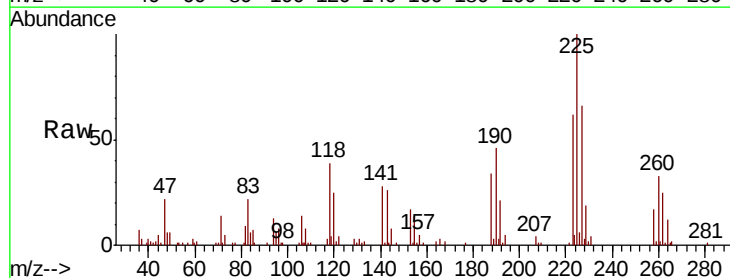


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

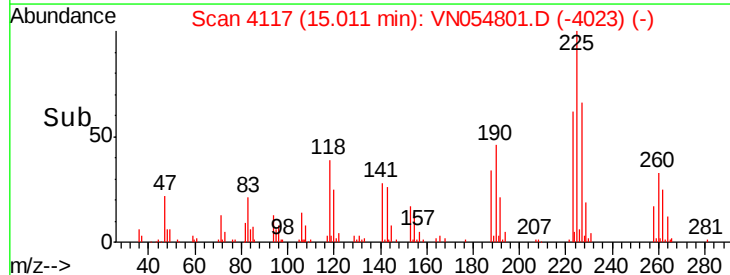
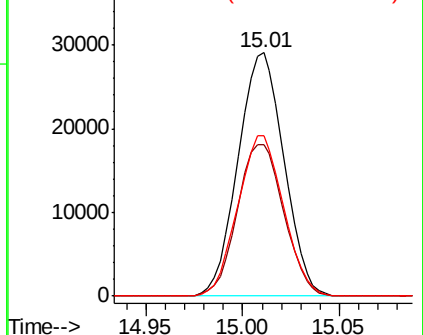


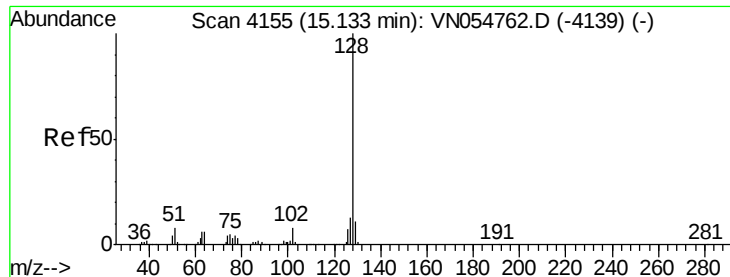
#94
 Hexachlorobutadiene
 Concen: 18.582 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Tgt Ion:225 Resp: 47980
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 65.6 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.267 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0330MBS01

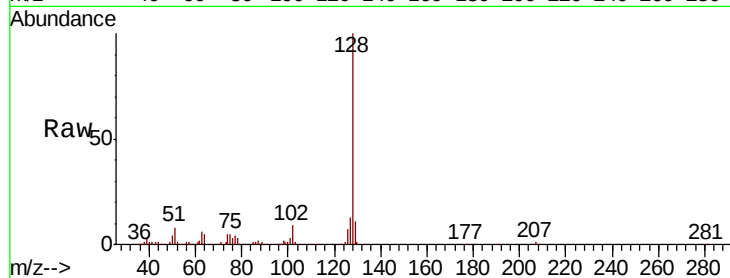
Tot Ion:128 Resp: 175890

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

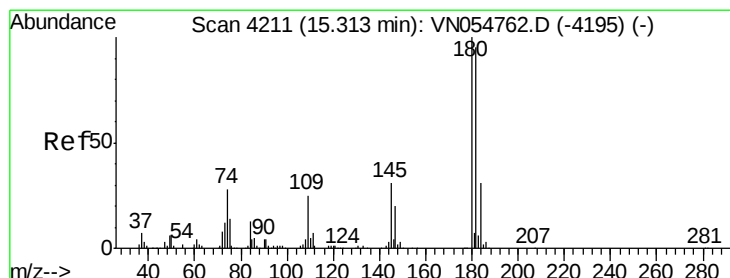
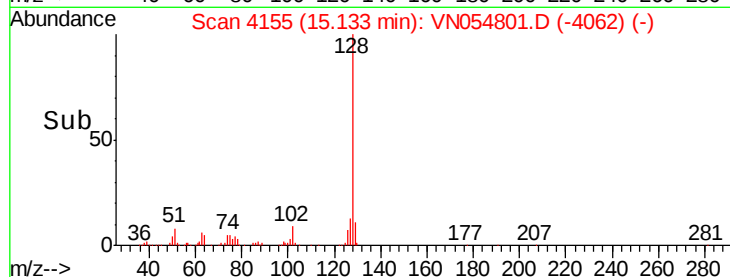
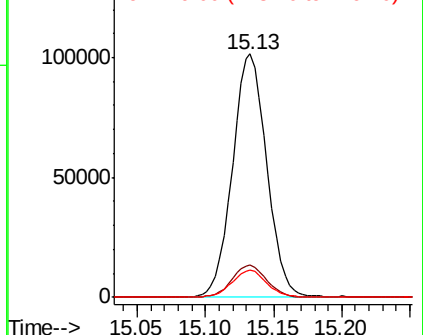
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.896 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

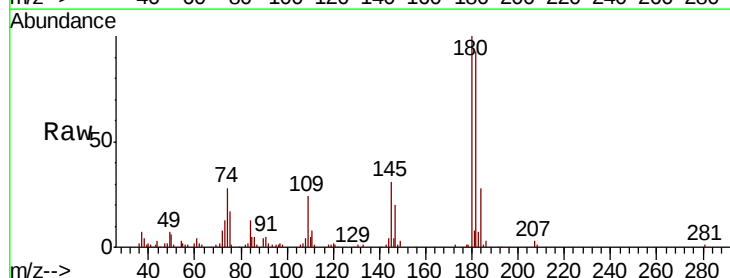
Tgt Ion:180 Resp: 77679

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.6

145 31.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

