

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 :

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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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

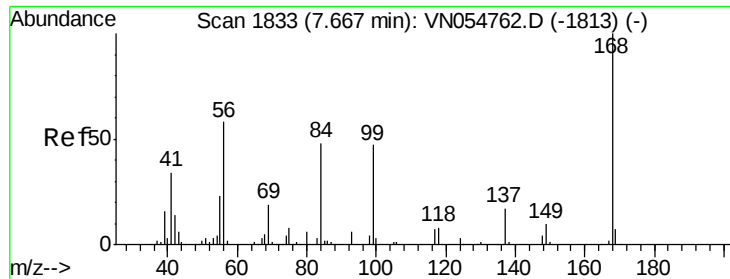
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033019\
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Quant Time: Mar 30 22:39:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

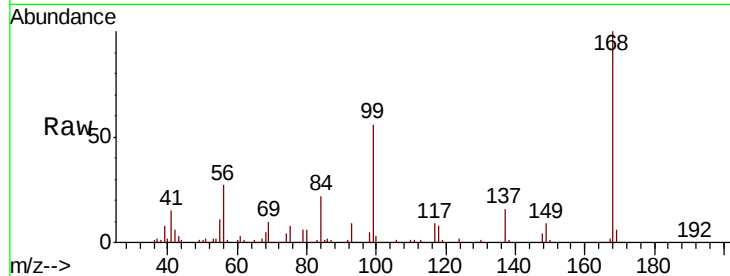
Instrument :
MSVOA_N
ClientSampled :

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): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

150000

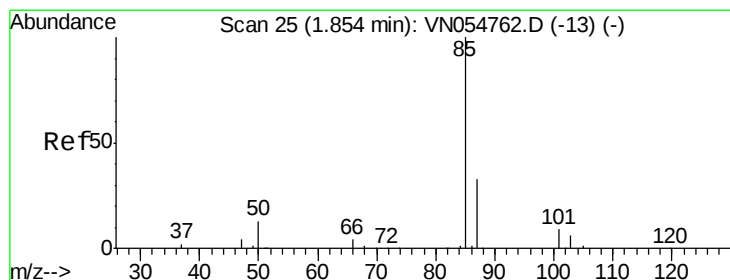
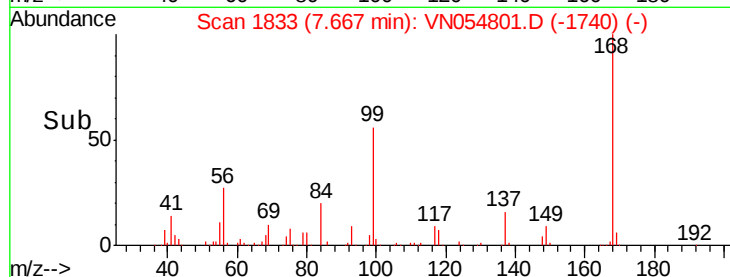
100000

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

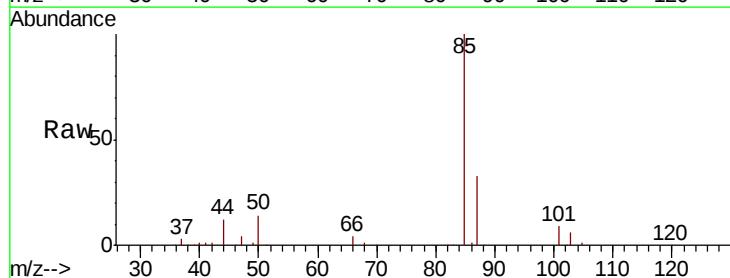
Acq: 30 Mar 2019 14:39

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): VN054762.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN054762.D (-13) (-)

1.85

60000

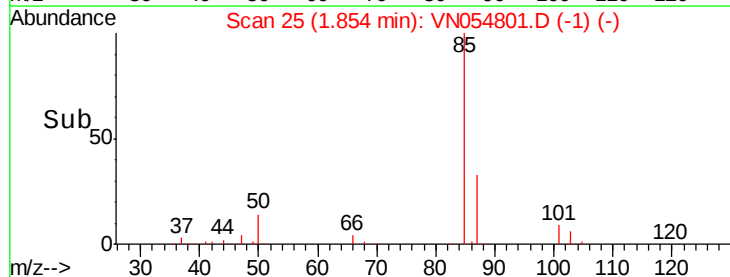
40000

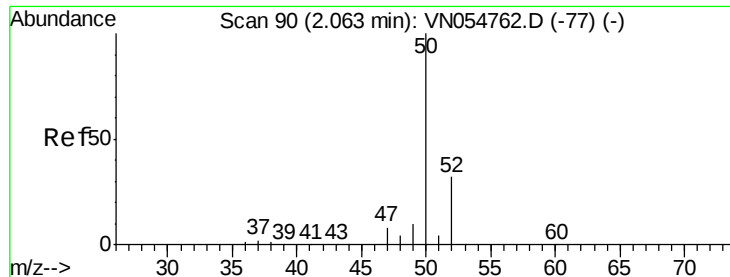
20000

0

1.80 1.85 1.90 1.95

Time-->

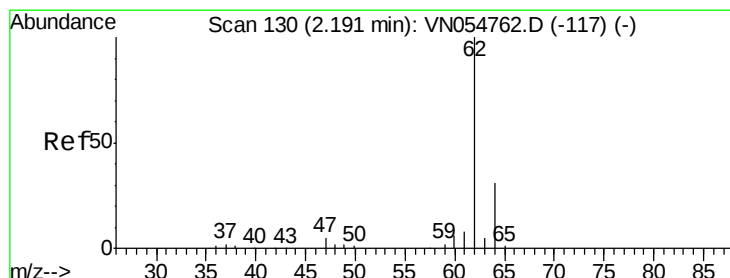
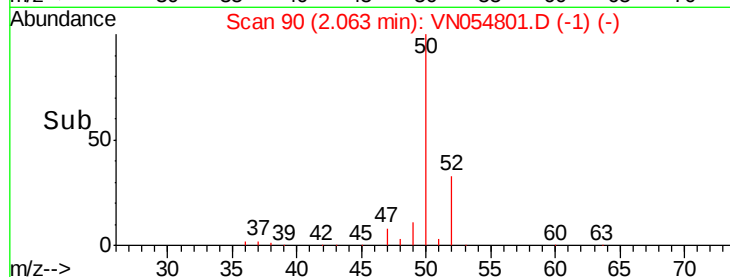
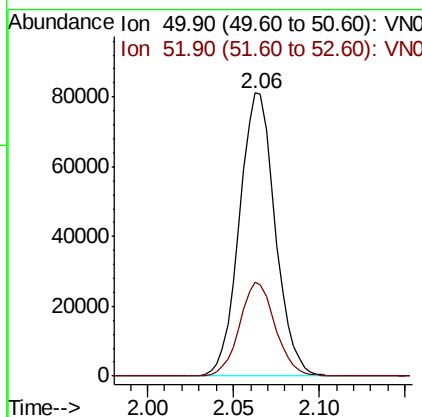
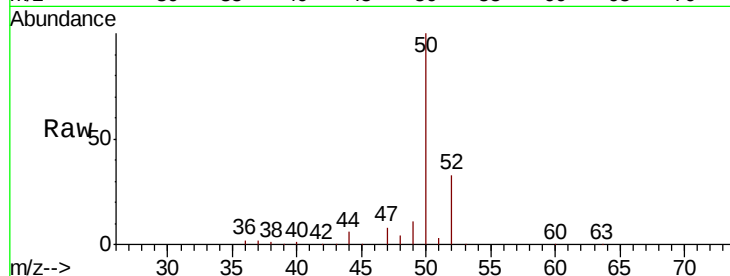




#3
Chloromethane
Concen: 20.417 ug/l
RT: 2.06 min Scan# 90
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

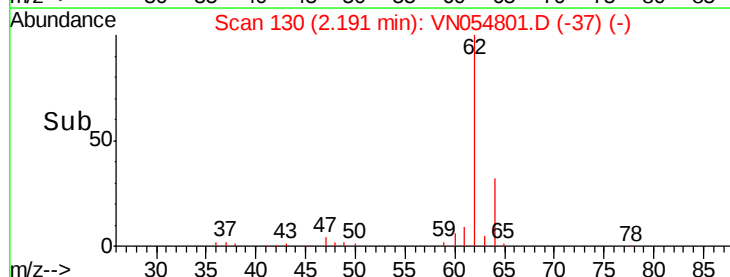
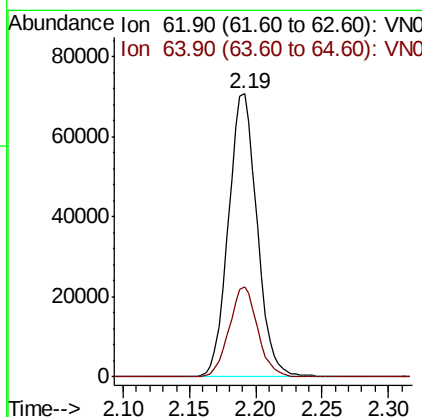
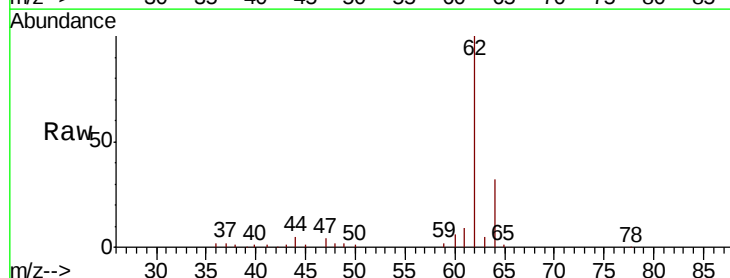
Instrument :
MSVOA_N
ClientSampleId :

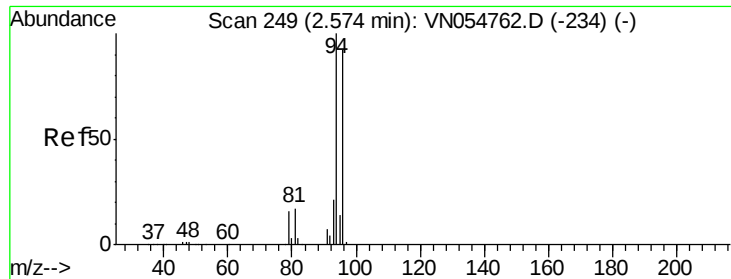
Tot Ion: 50 Resp: 117512
Ion Ratio Lower Upper
50 100
52 33.1 26.4 39.6



#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





#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

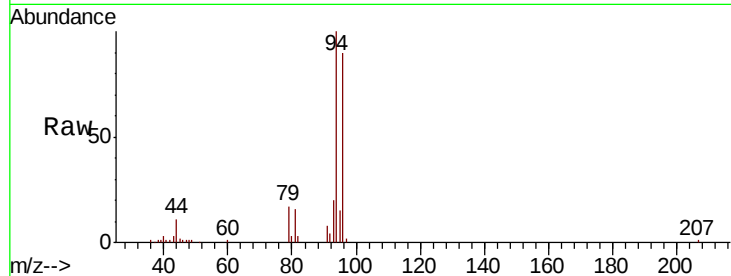
ClientSampleId :

Tot Ion: 94 Resp: 63418

Ion Ratio Lower Upper

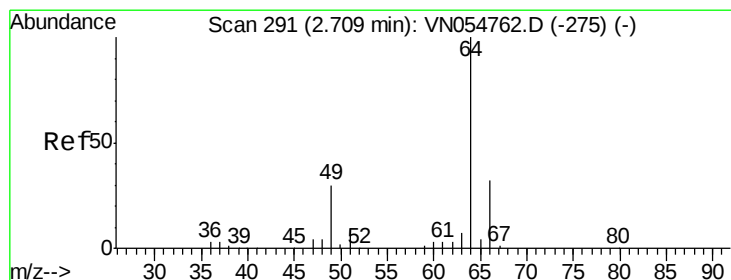
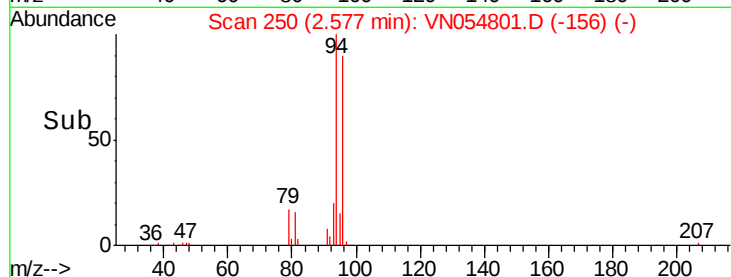
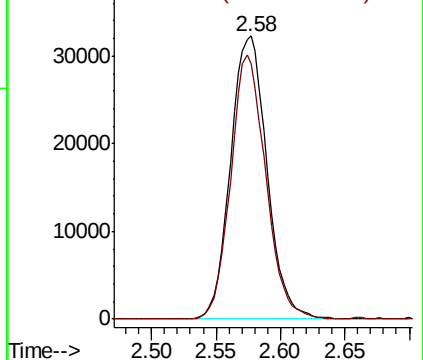
94 100

96 90.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054801.D

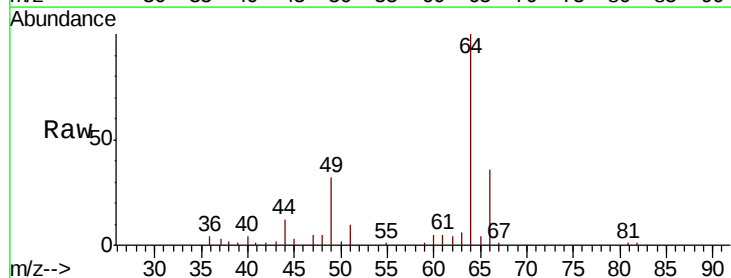
Acq: 30 Mar 2019 14:39

Tgt Ion: 64 Resp: 57151

Ion Ratio Lower Upper

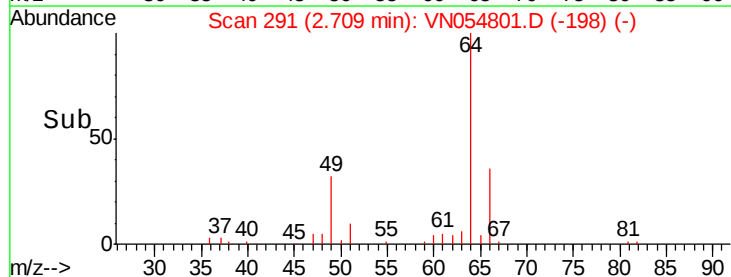
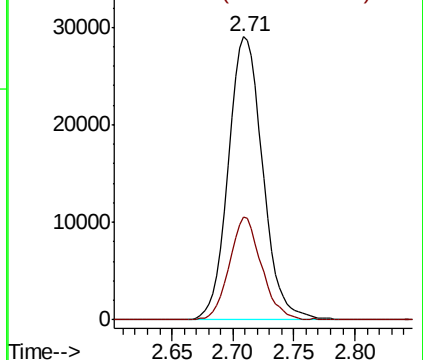
64 100

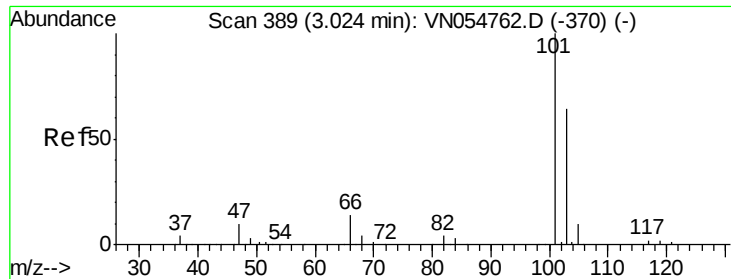
66 36.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



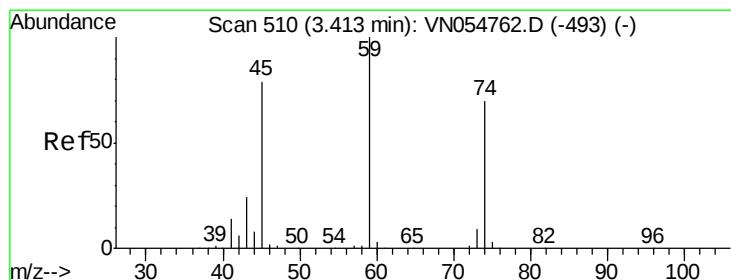
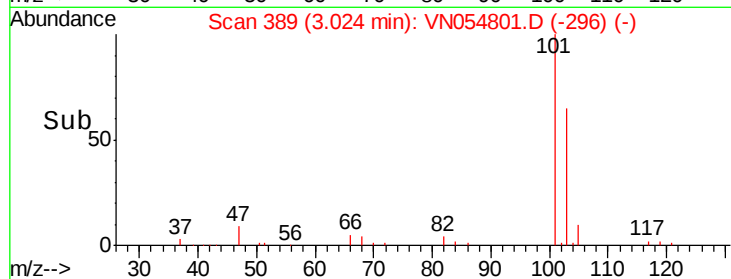
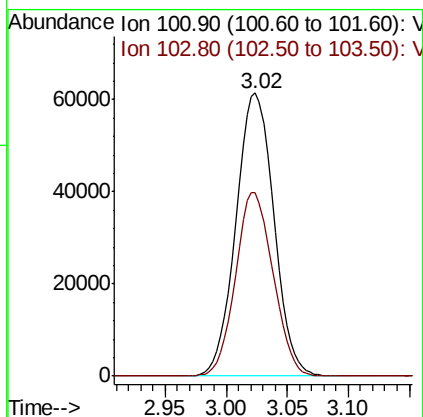
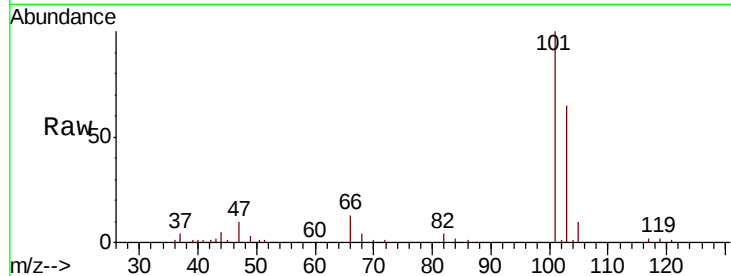


#7

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 :
 MSVOA_N
 ClientSampleId :

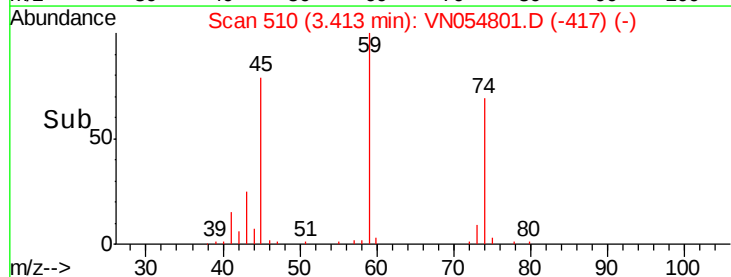
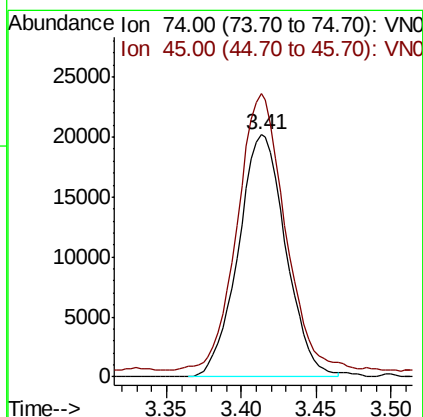
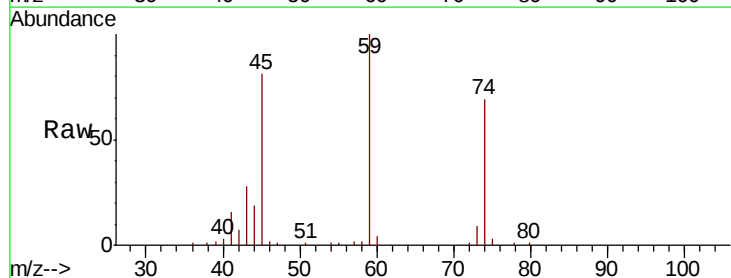
Tot Ion:101 Resp: 132428
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

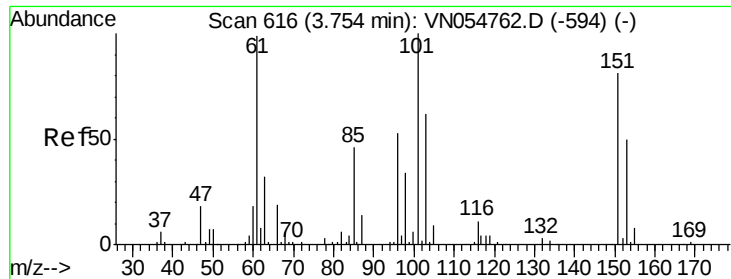


#8

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 :

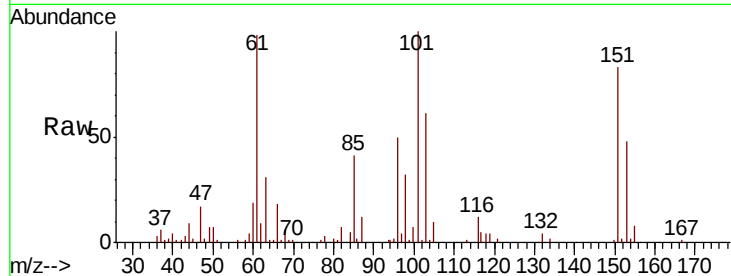
Tot Ion:101 Resp: 68627

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

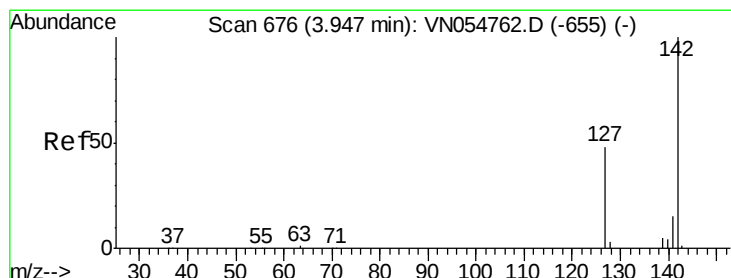
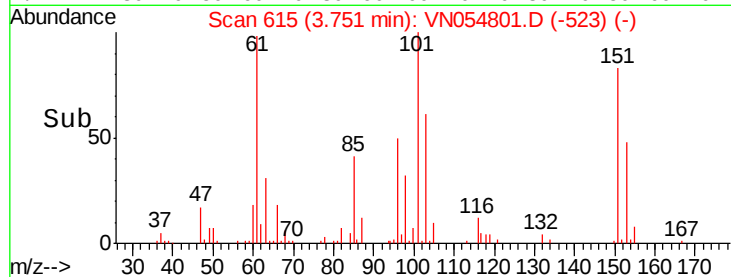
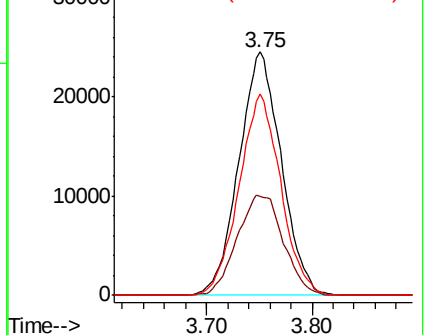
151 81.0 68.2 102.2



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

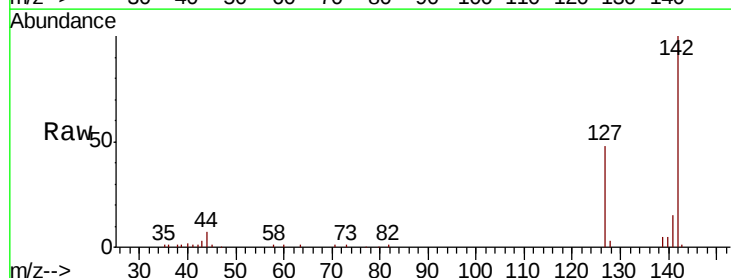
Tgt Ion:142 Resp: 95898

Ion Ratio Lower Upper

142 100

127 47.8 30.3 45.5#

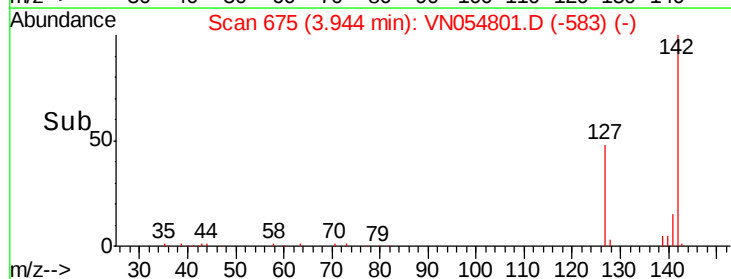
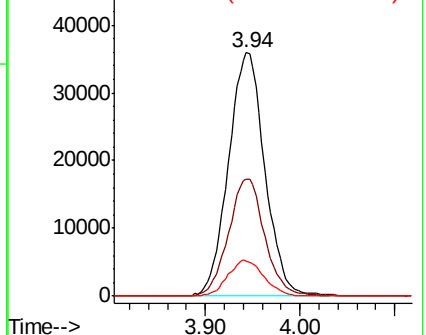
141 14.5 11.2 16.8

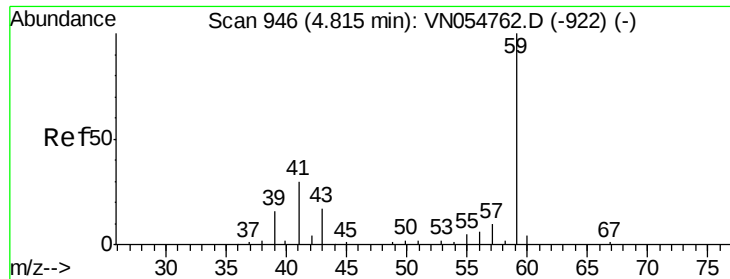


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



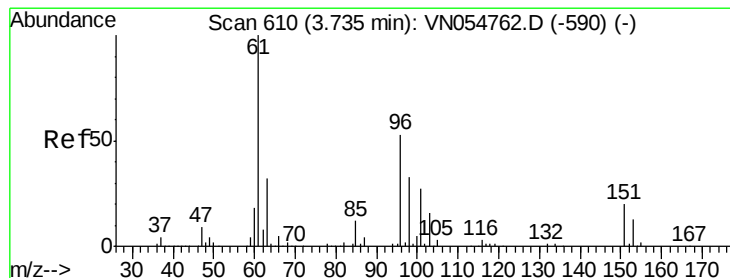
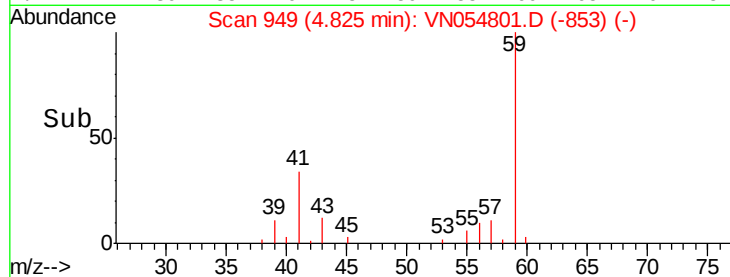
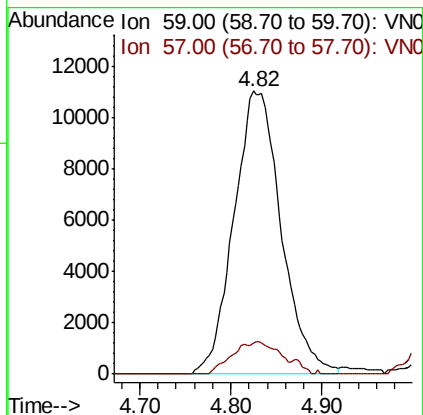
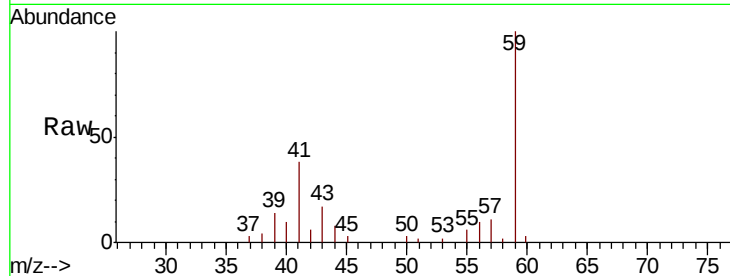


#11

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 :

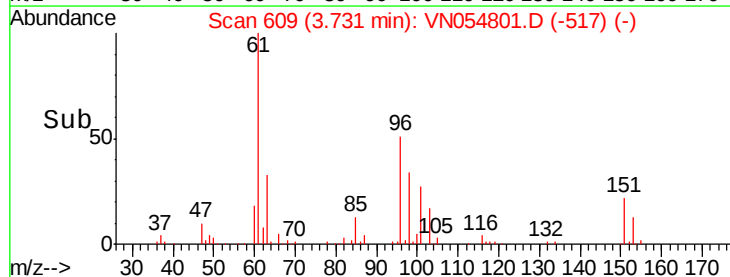
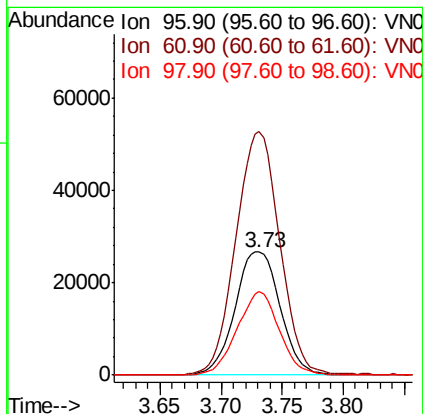
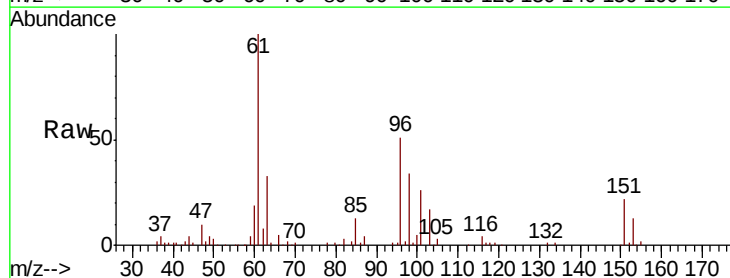
Tot Ion: 59 Resp: 39785
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

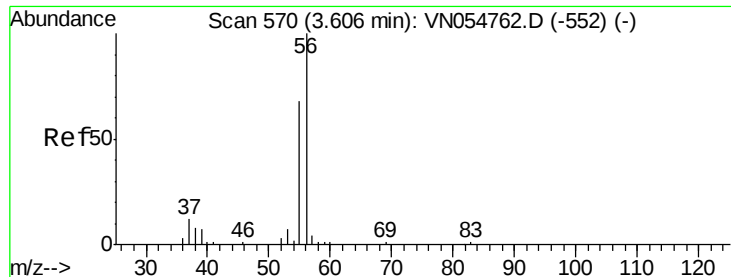


#12

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

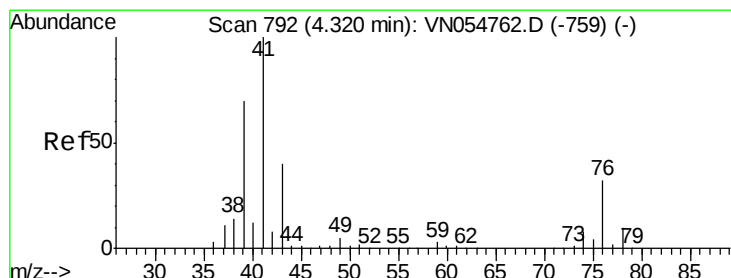
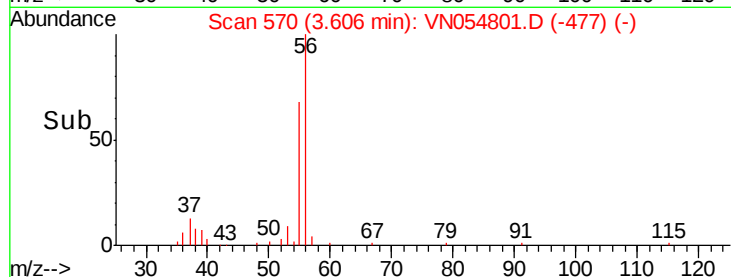
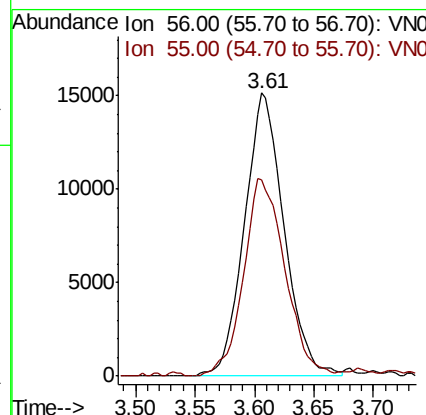
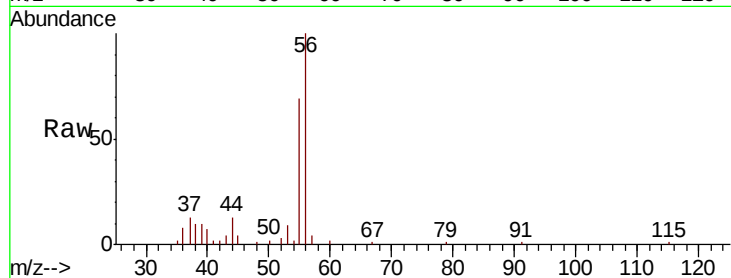




#13
Acrolein
Concen: 135.075 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

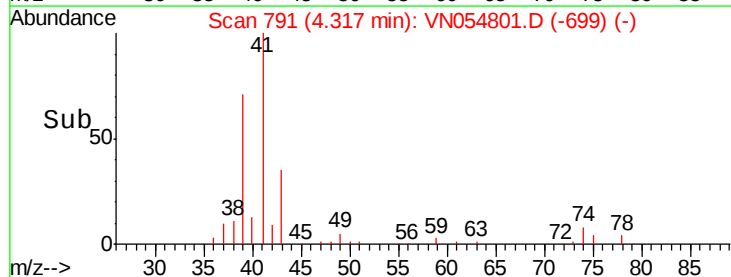
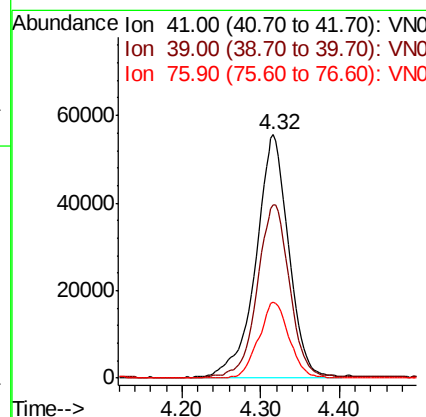
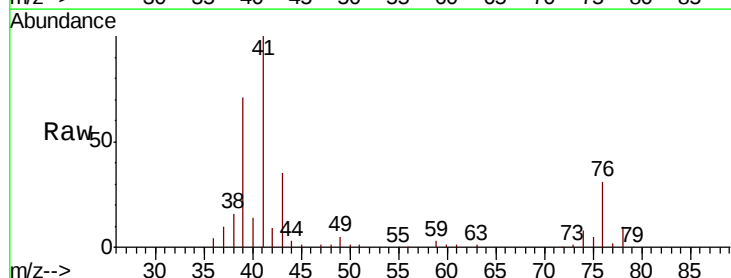
Instrument :
MSVOA_N
ClientSampleId :

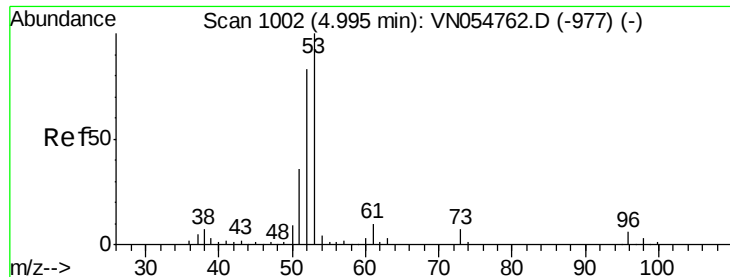
Tot Ion: 56 Resp: 34903
Ion Ratio Lower Upper
56 100
55 72.8 56.7 85.1



#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 :

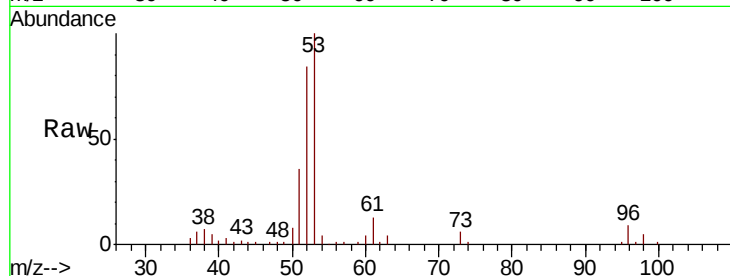
Tot Ion: 53 Resp: 197636

Ion Ratio Lower Upper

53 100

52 82.4 66.4 99.6

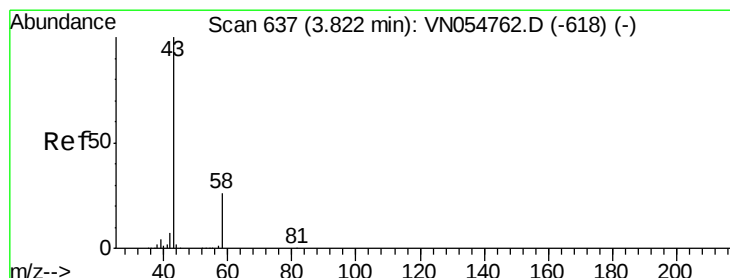
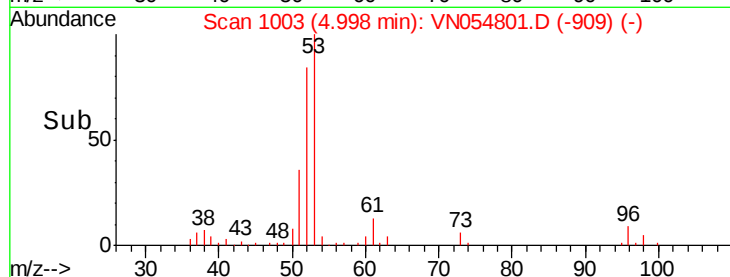
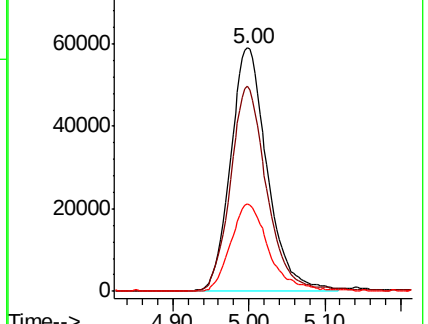
51 37.2 29.6 44.4



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

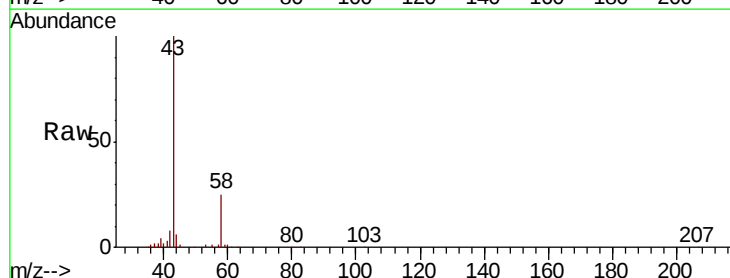
Acq: 30 Mar 2019 14:39

Tgt Ion: 43 Resp: 143560

Ion Ratio Lower Upper

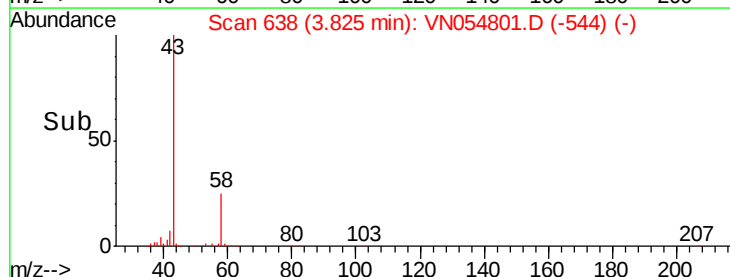
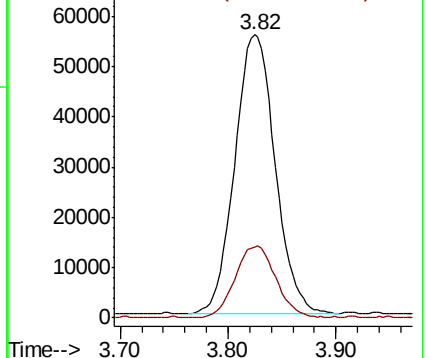
43 100

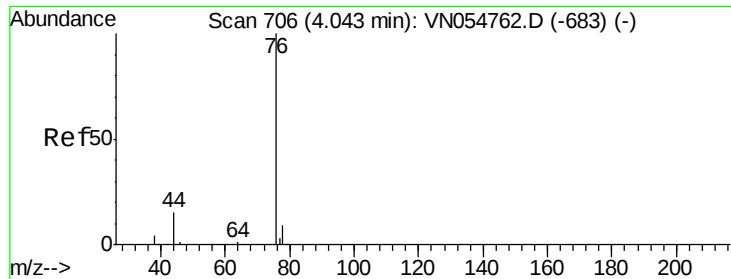
58 25.2 29.9 44.9#



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

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

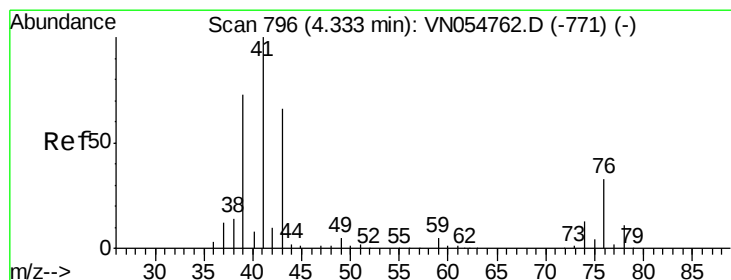
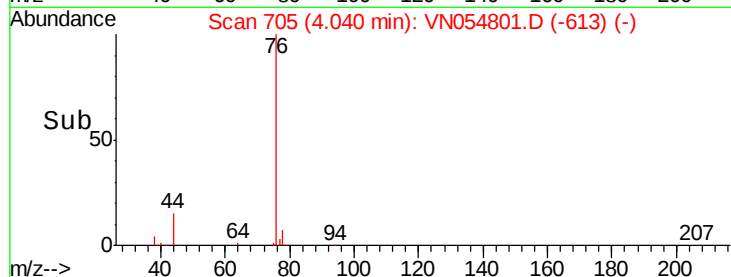
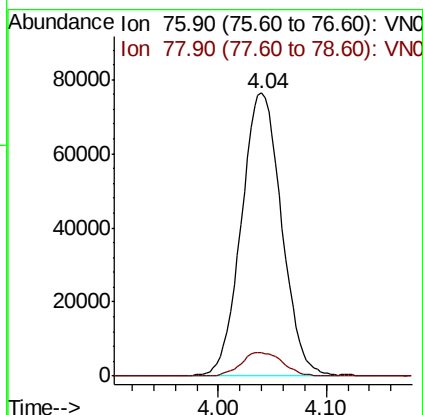
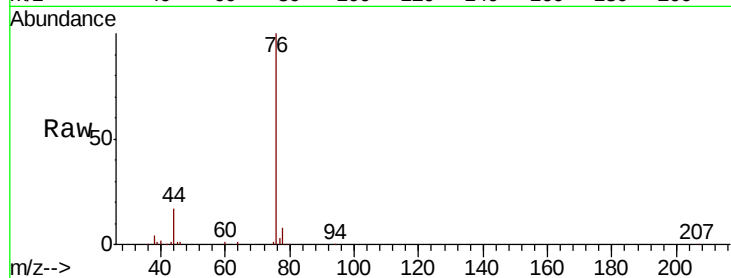




#17
Carbon Disulfide
Concen: 18.869 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

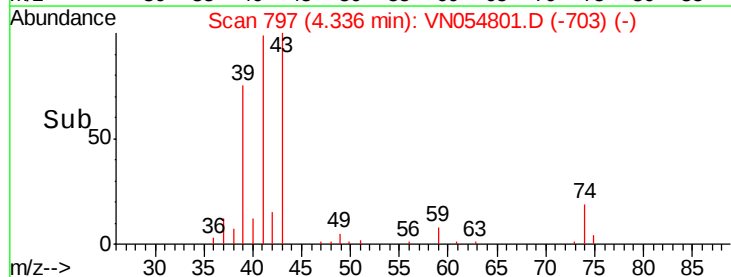
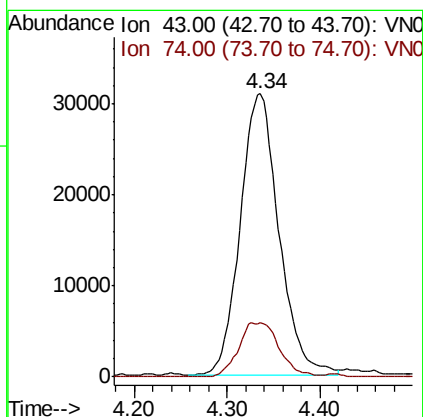
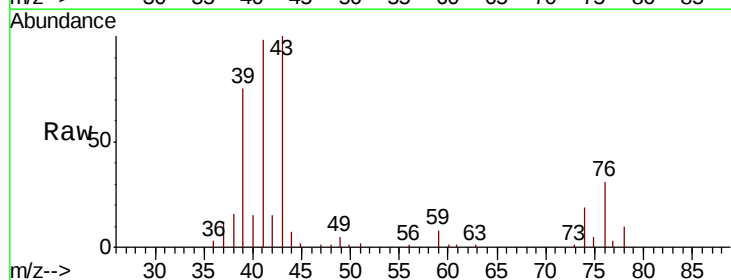
Instrument :
MSVOA_N
ClientSampleId :

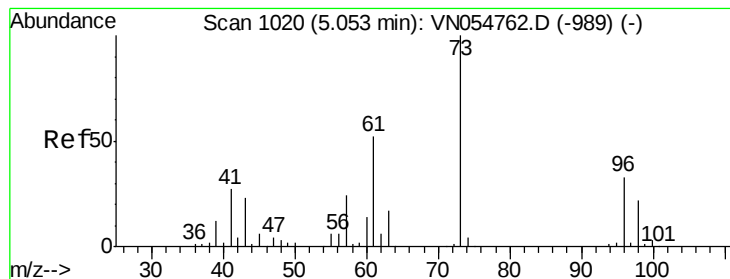
Tot Ion: 76 Resp: 197978
Ion Ratio Lower Upper
76 100
78 8.1 7.5 11.3



#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#



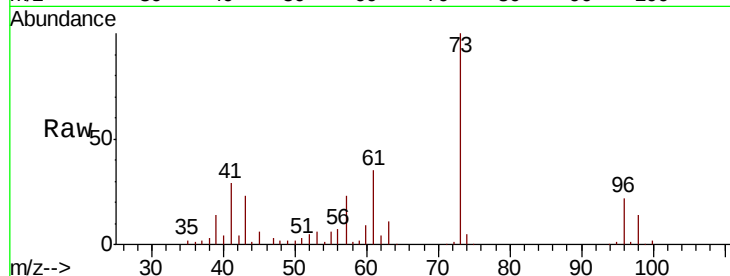


#19

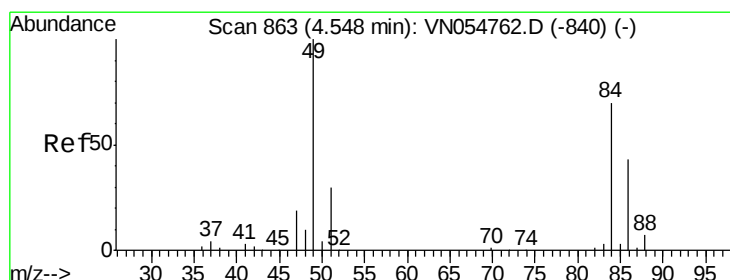
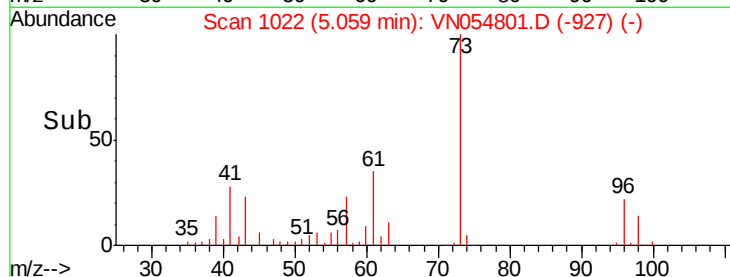
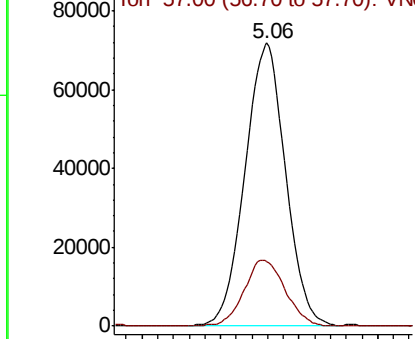
Methyl tert-butyl Ether
 Concen: 23.071 ug/l
 RT: 5.06 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 73 Resp: 261060
 Ion Ratio Lower Upper
 73 100
 57 22.9 16.8 25.2



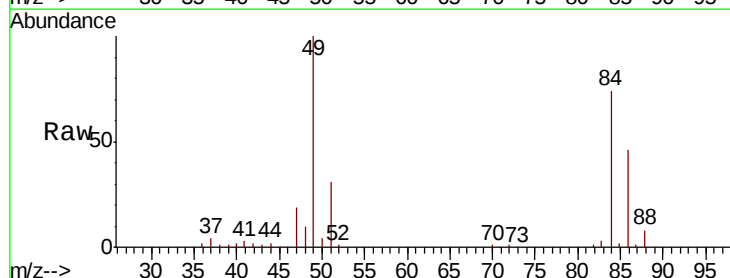
Abundance Ion 73.00 (72.70 to 73.70): VN054762.D (-989) (-)
 Ion 57.00 (56.70 to 57.70): VN054762.D (-989) (-)



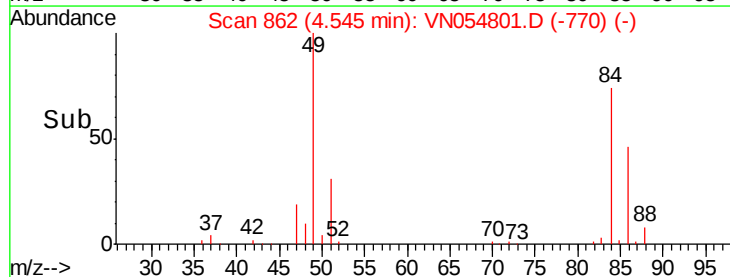
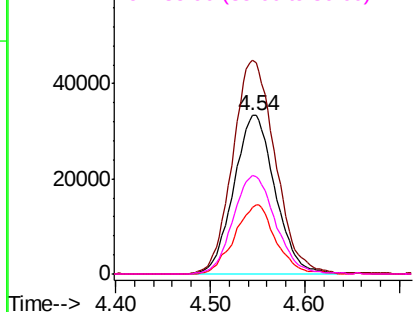
#20

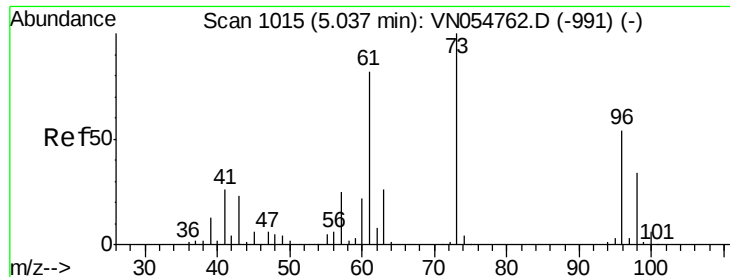
Methylene Chloride
 Concen: 21.706 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

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) (-)





#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 :

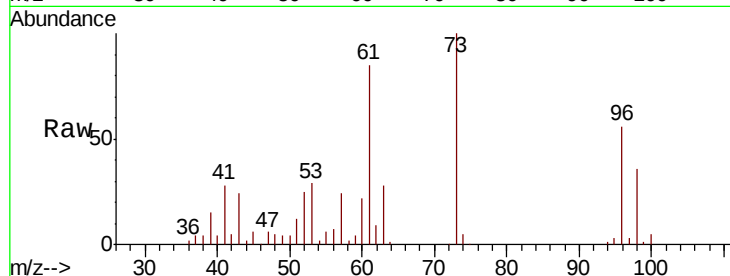
Tot Ion: 96 Resp: 89932

Ion Ratio Lower Upper

96 100

61 151.1 102.8 154.2

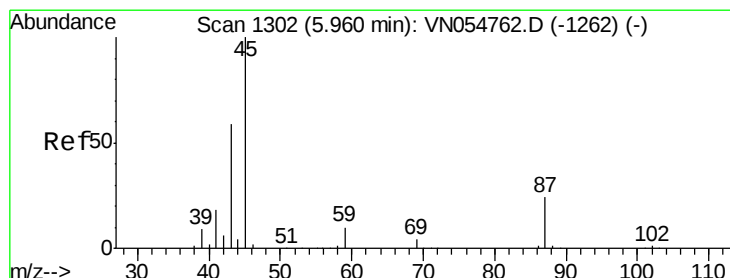
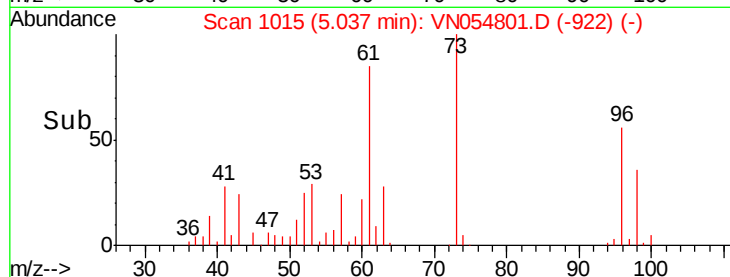
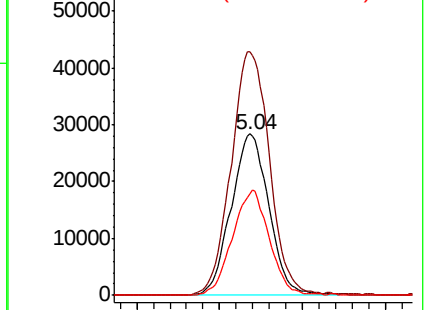
98 63.4 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054801.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN054801.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN054801.D (-1209) (-)



#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

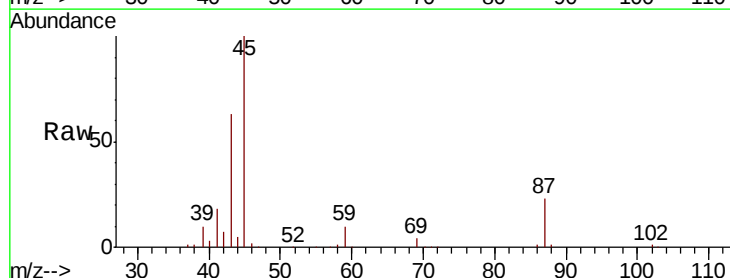
Ion Ratio Lower Upper

45 100

43 61.0 48.2 72.2

87 22.8 24.9 37.3#

59 10.0 9.5 14.3

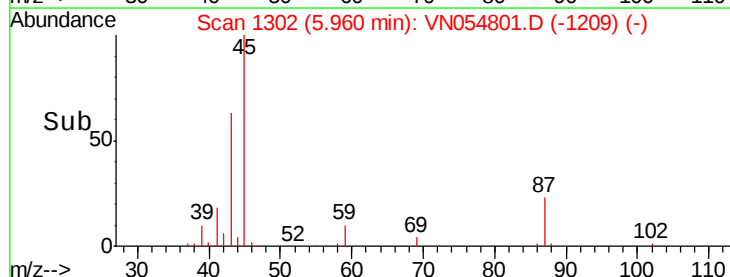
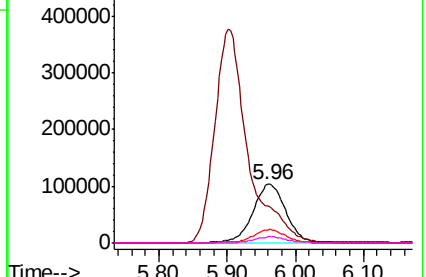


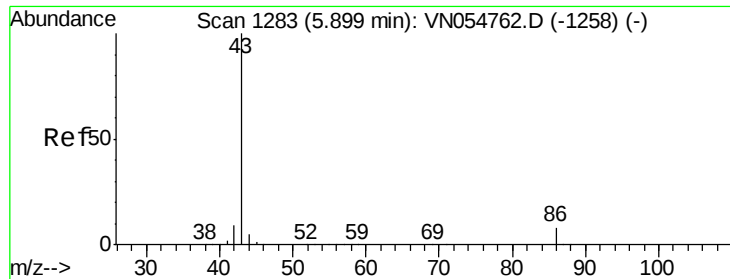
Abundance Ion 45.00 (44.70 to 45.70): VN054801.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN054801.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN054801.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN054801.D (-1209) (-)

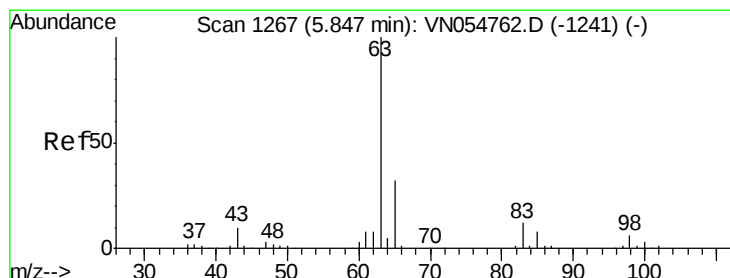
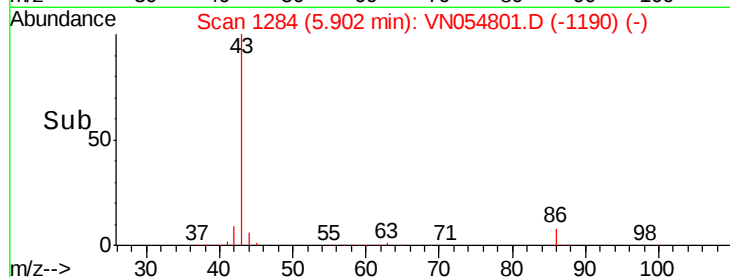
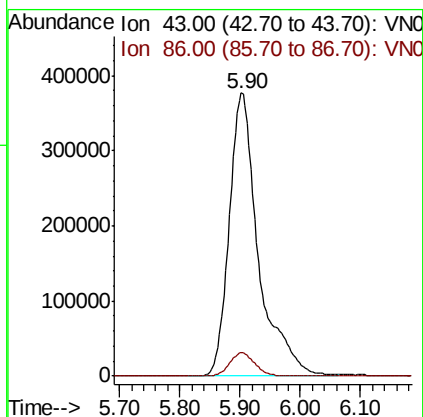
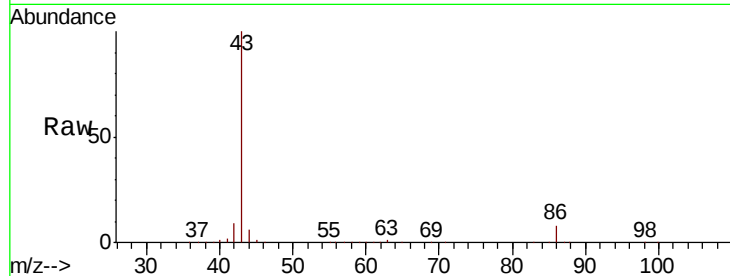




#23
 Vinyl Acetate
 Concen: 116.344 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

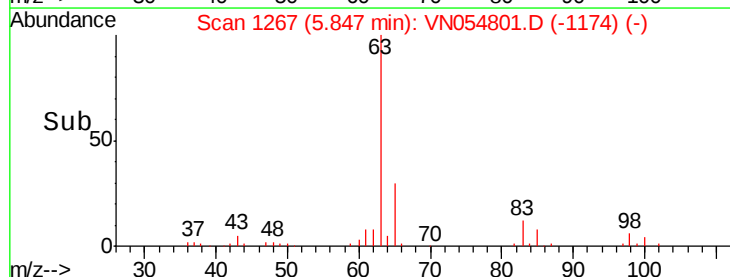
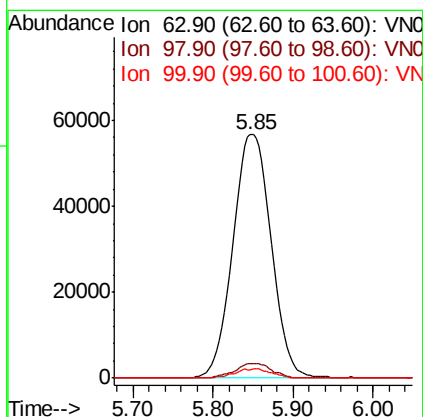
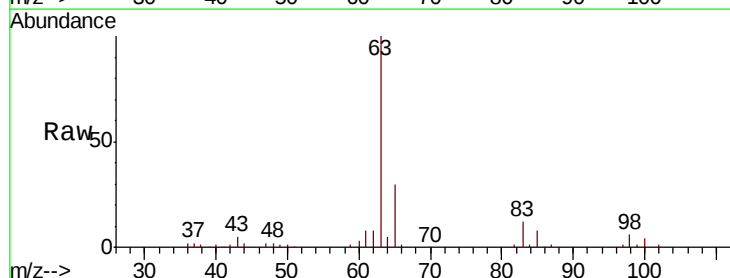
Instrument :
 MSVOA_N
 ClientSampled :

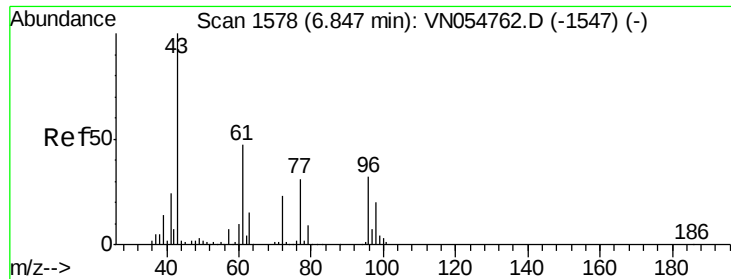
Tot Ion: 43 Resp: 1275944
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#



#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

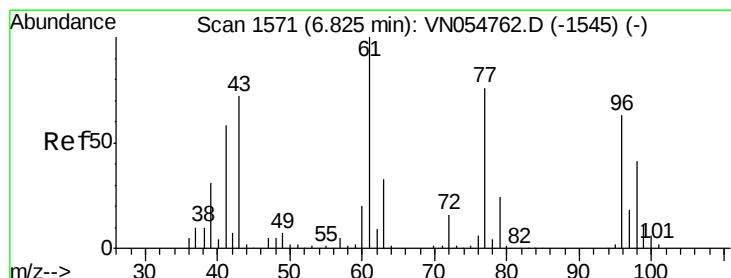
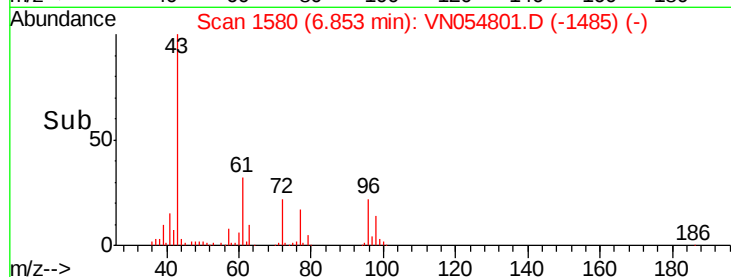
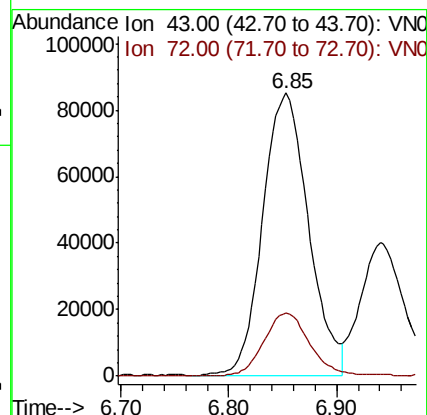
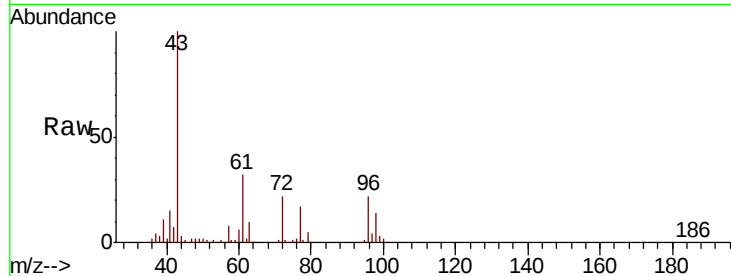
ClientSampled :

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

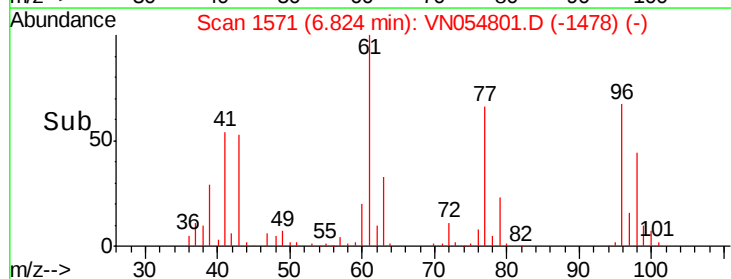
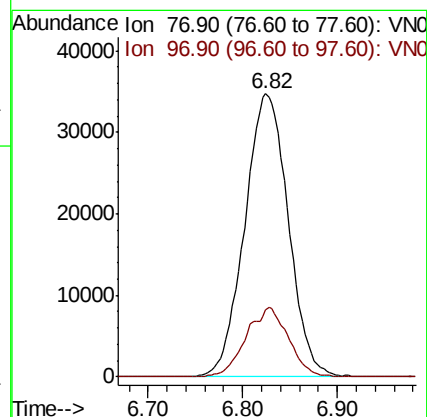
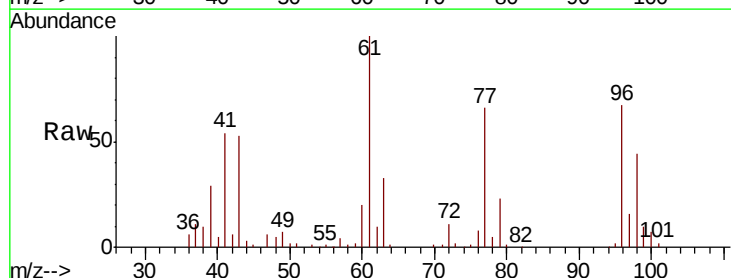
Acq: 30 Mar 2019 14:39

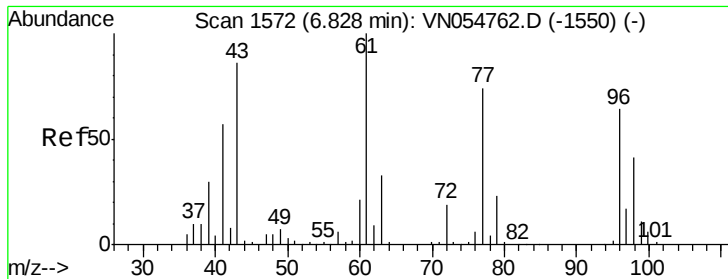
Tgt Ion: 77 Resp: 111087

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
ClientSampled :

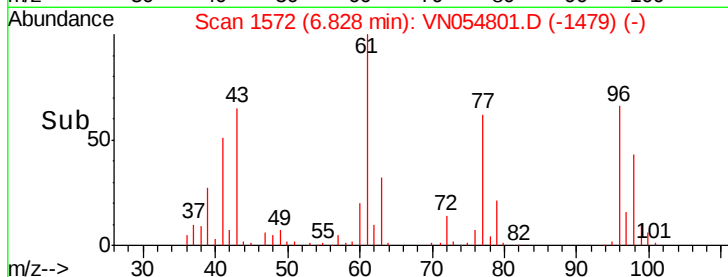
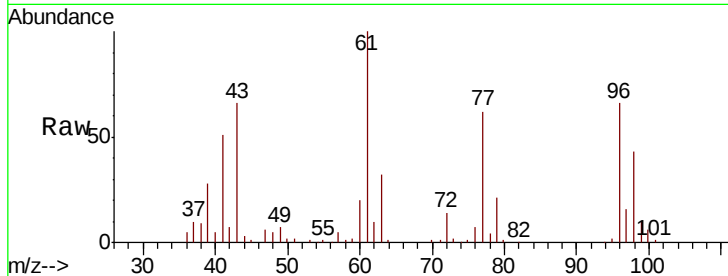
Tot Ion: 96 Resp: 104681

Ion Ratio Lower Upper

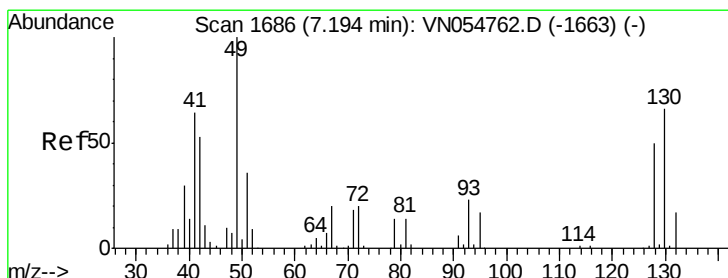
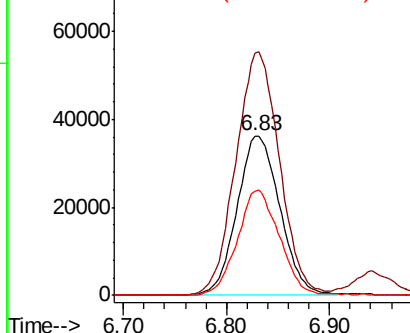
96 100

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

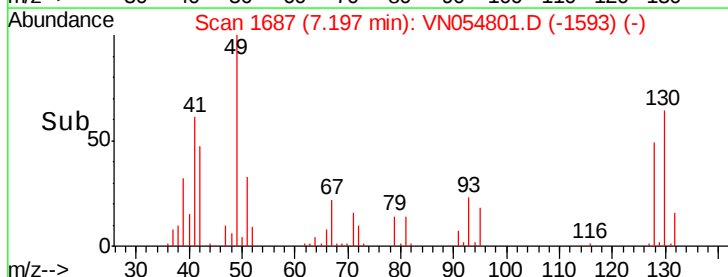
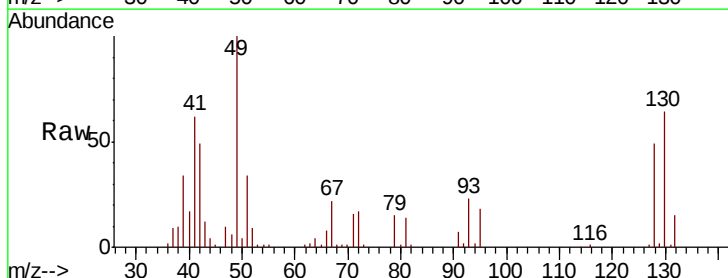
Tgt Ion: 49 Resp: 100867

Ion Ratio Lower Upper

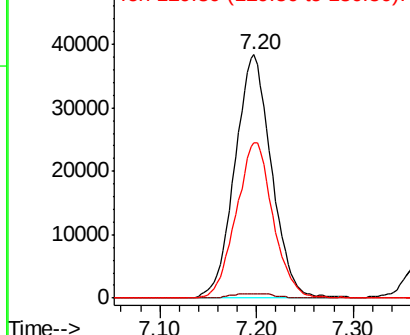
49 100

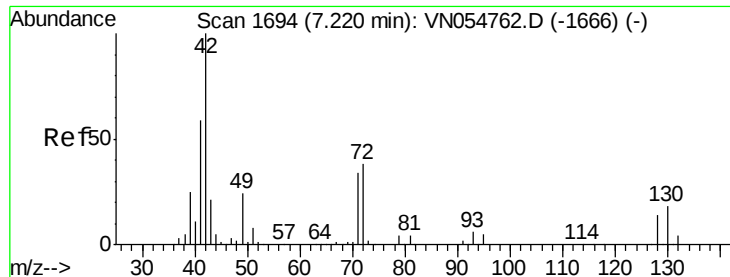
129 1.1 0.0 4.6

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
ClientSampled :

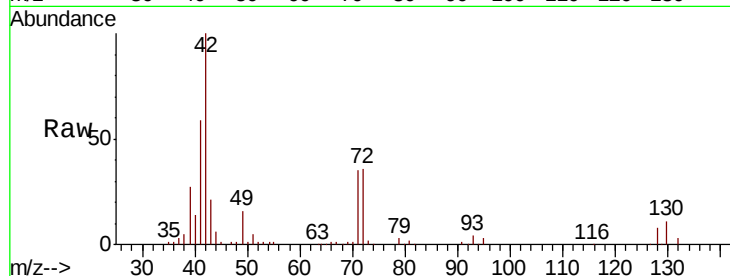
Tot Ion: 42 Resp: 170211

Ion Ratio Lower Upper

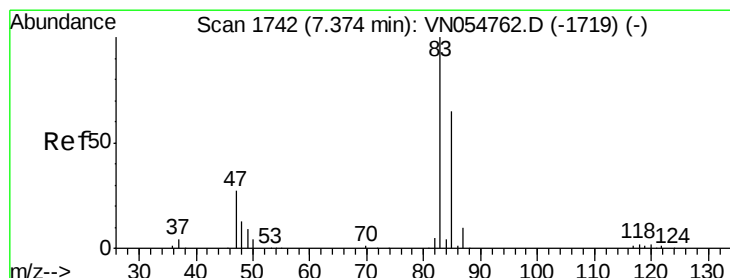
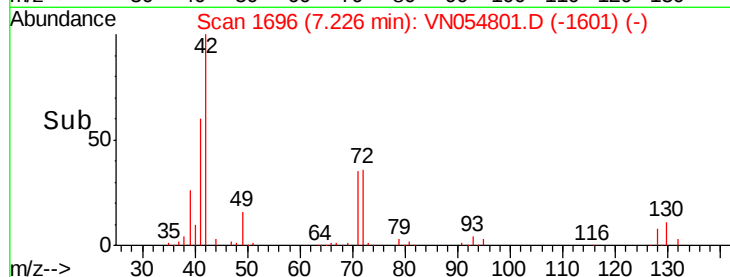
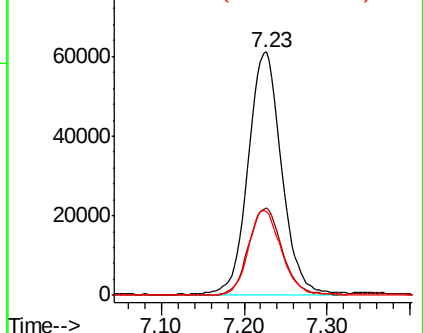
42 100

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

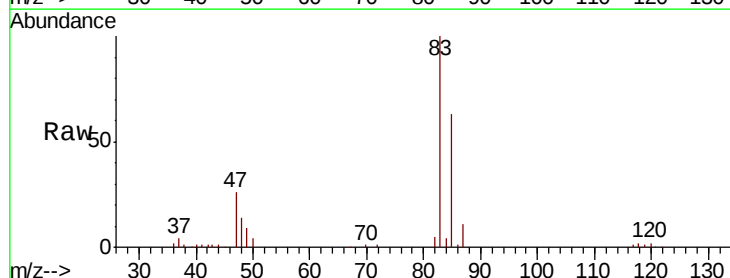
Acq: 30 Mar 2019 14:39

Tgt Ion: 83 Resp: 178015

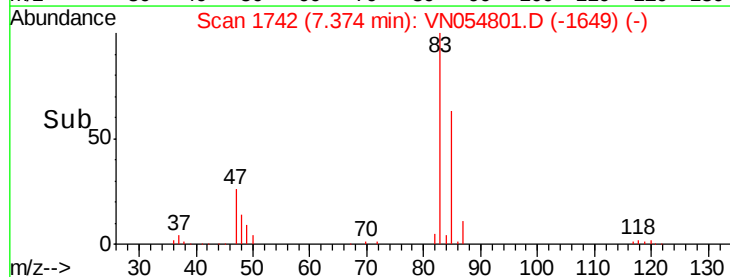
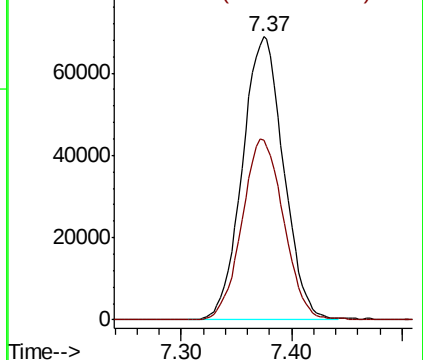
Ion Ratio Lower Upper

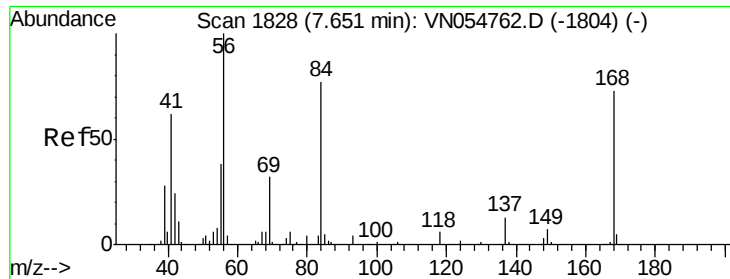
83 100

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

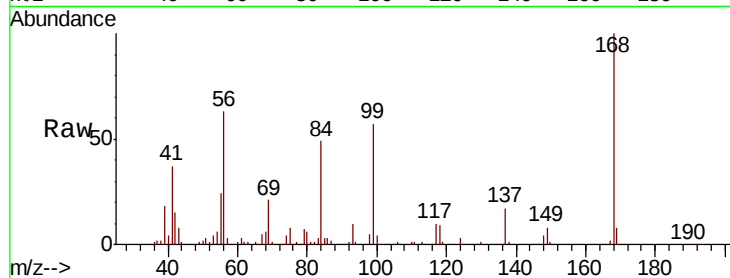




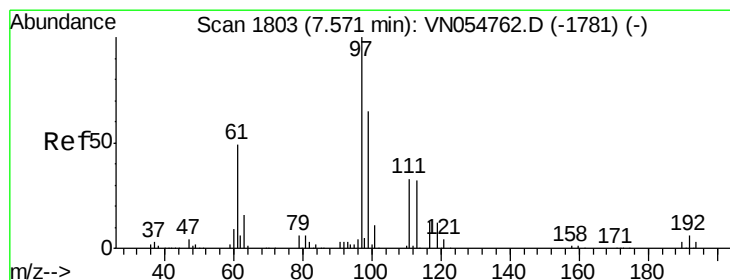
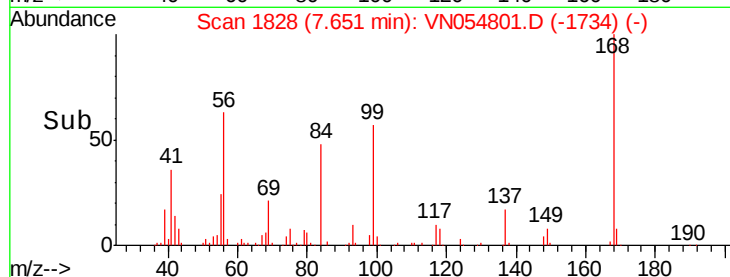
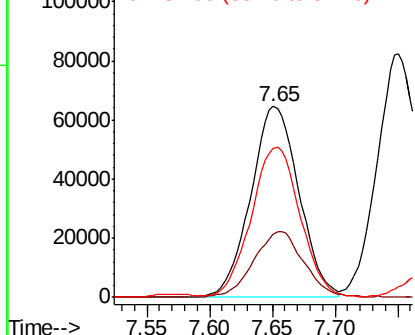
#31
Cyclohexane
Concen: 21.361 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampled :

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

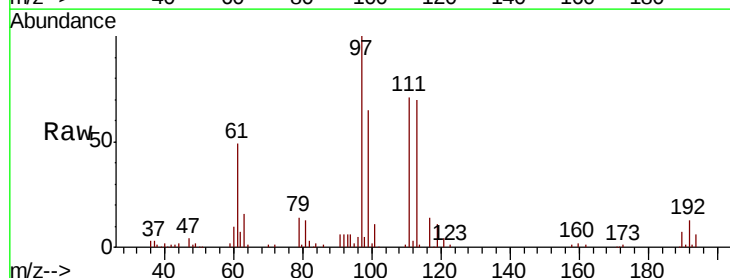


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

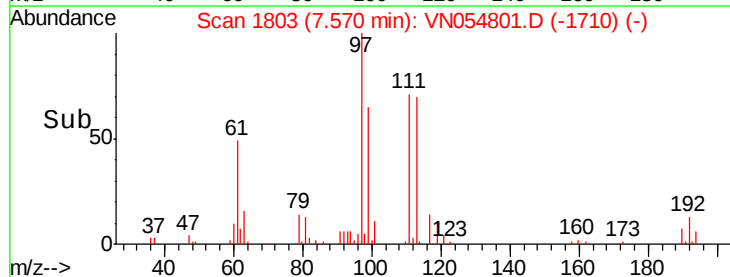
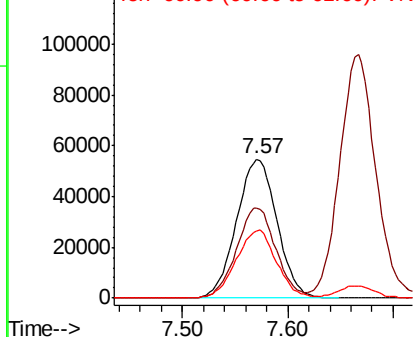


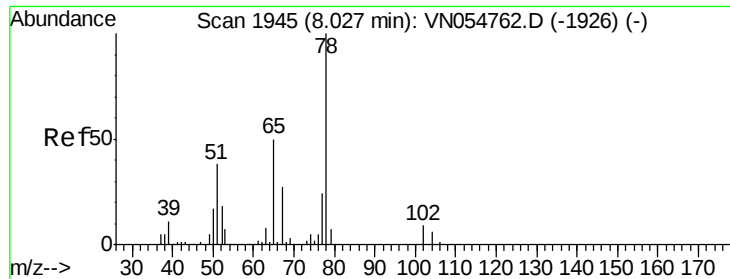
#32
1,1,1-Trichloroethane
Concen: 21.931 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

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

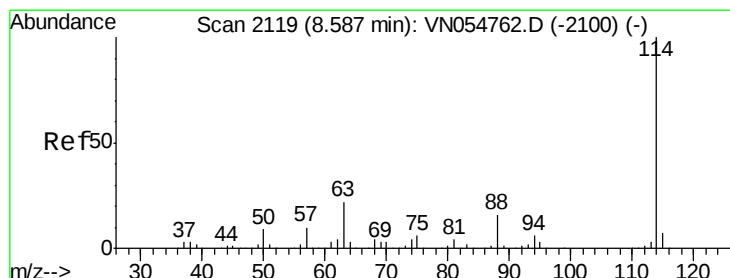
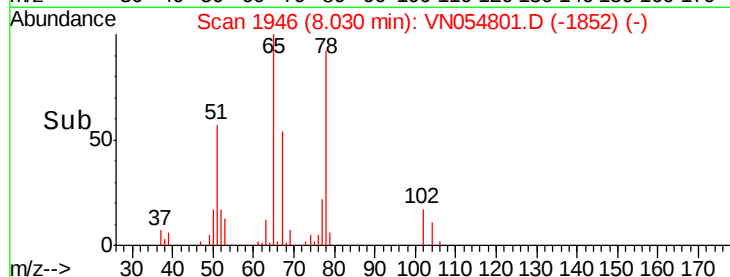
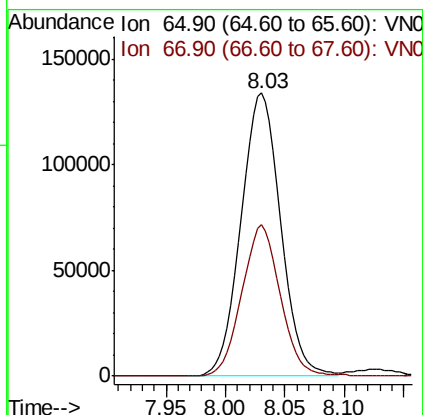
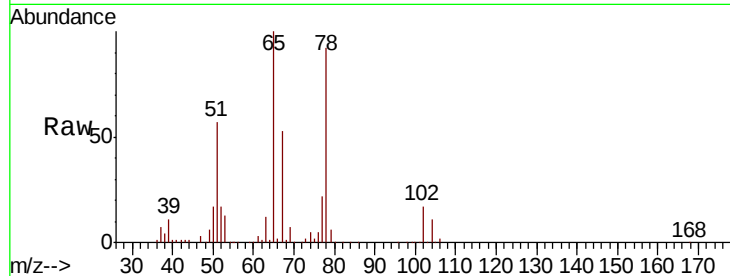




#33
 1,2-Dichloroethane-d4
 Concen: 55.728 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

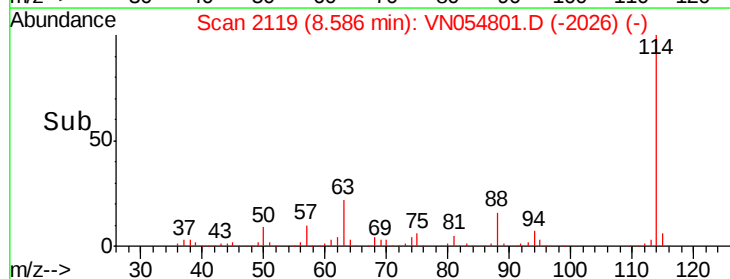
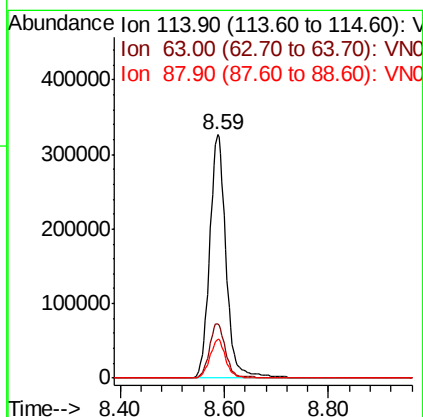
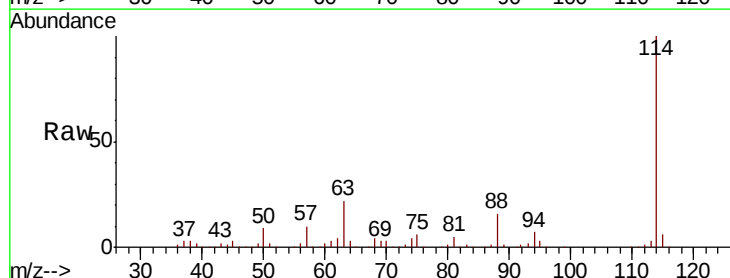
Instrument :
 MSVOA_N
 ClientSampleId :

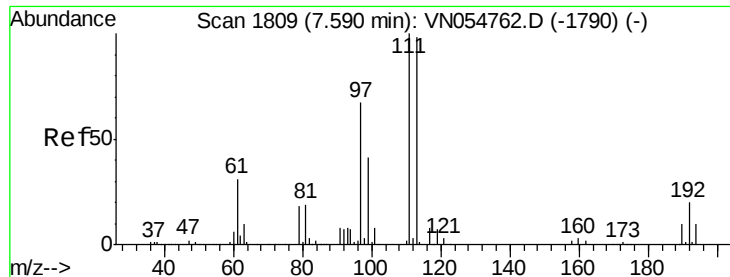
Tot Ion: 65 Resp: 309155
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: 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





#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
ClientSampled :

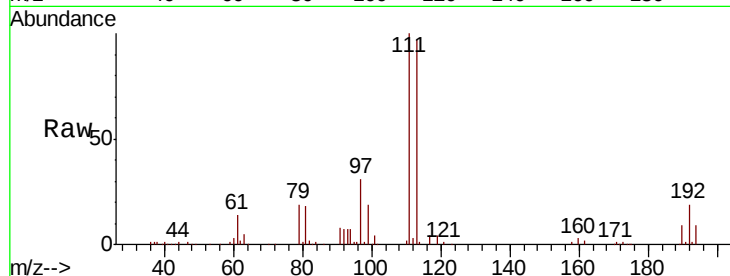
Tot Ion:113 Resp: 235696

Ion Ratio Lower Upper

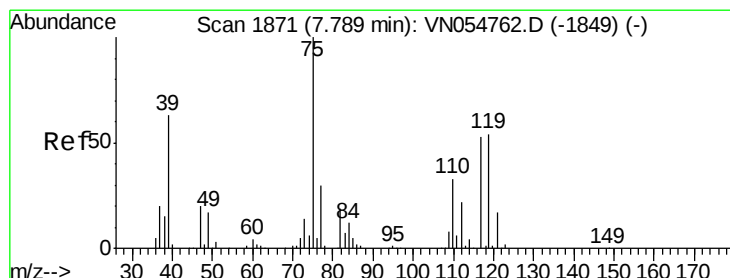
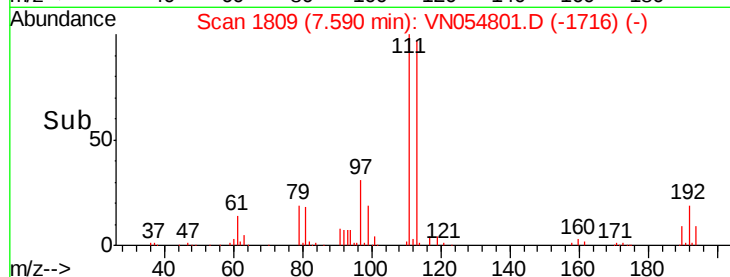
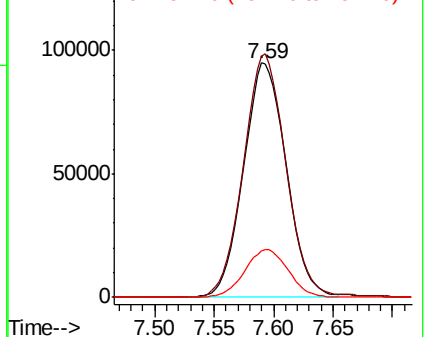
113 100

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

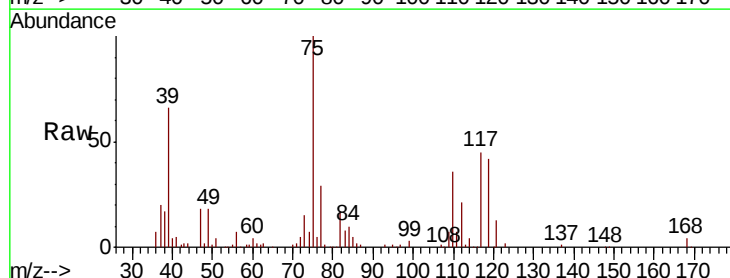
Tgt Ion: 75 Resp: 129469

Ion Ratio Lower Upper

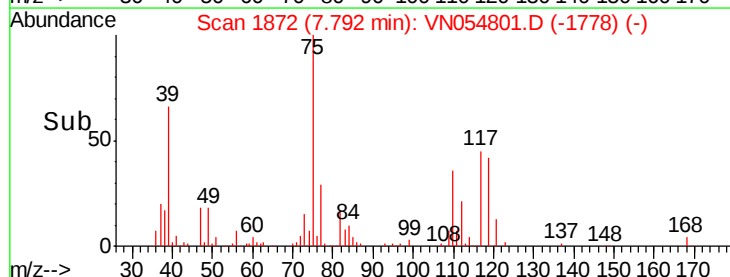
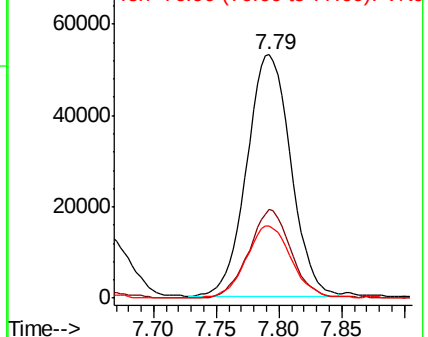
75 100

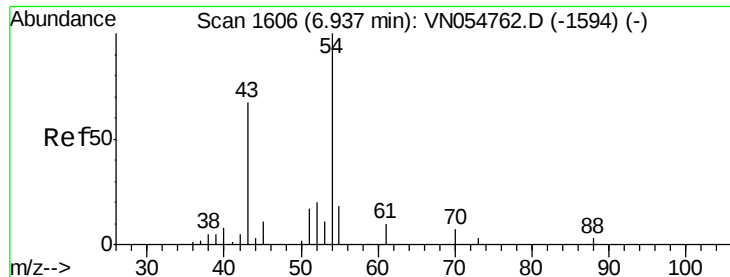
110 34.9 19.1 57.5

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

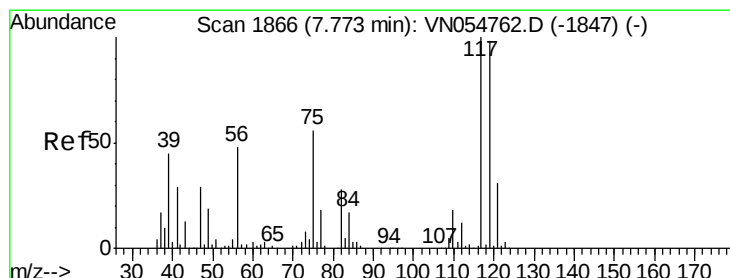
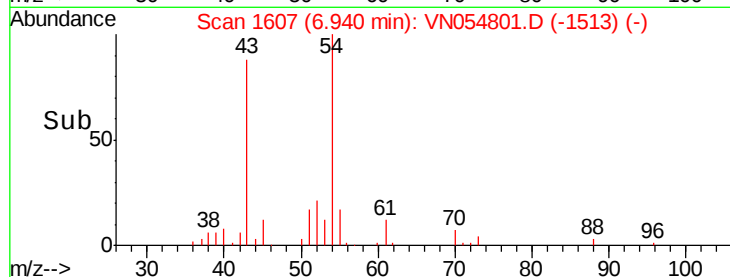
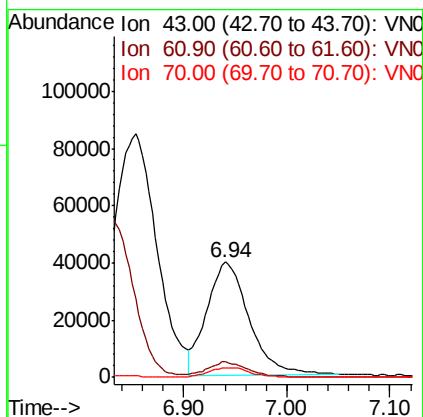
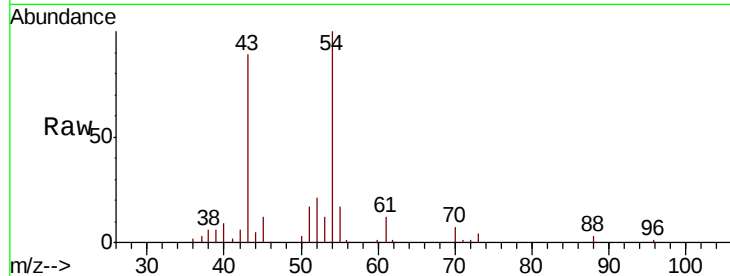




#37
Ethyl Acetate
Concen: 23.230 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

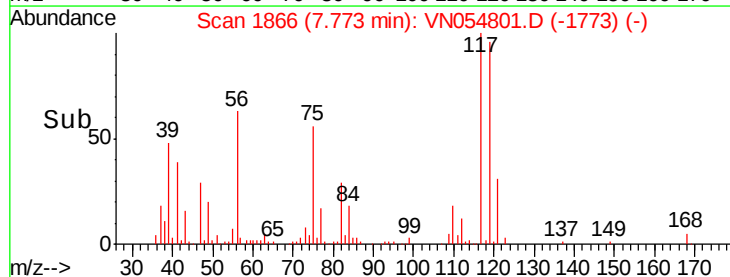
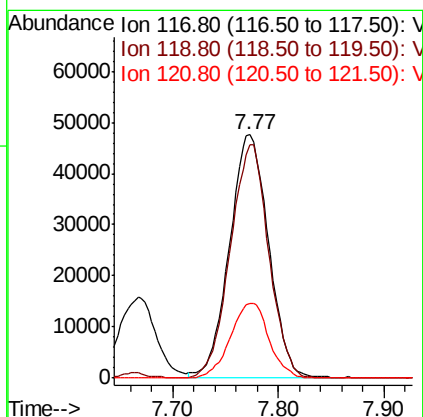
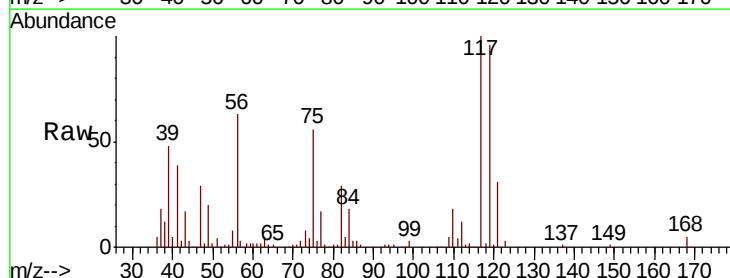
Instrument :
MSVOA_N
ClientSampled :

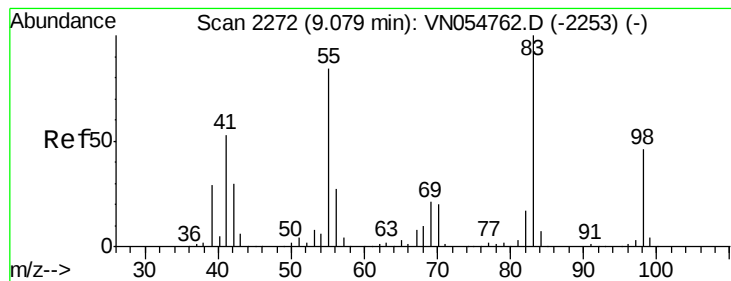
Tot Ion: 43 Resp: 113357
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 8.6 8.4 12.6



#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

ClientSampled :

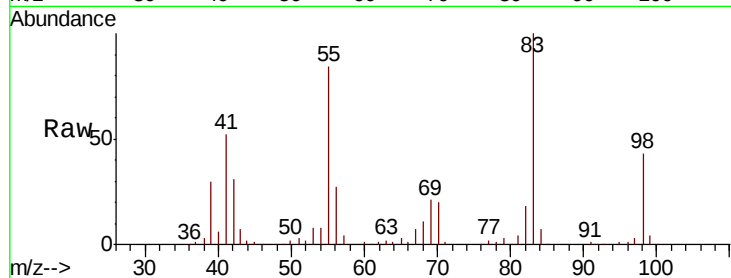
Tot Ion: 83 Resp: 137177

Ion Ratio Lower Upper

83 100

55 83.8 56.6 84.8

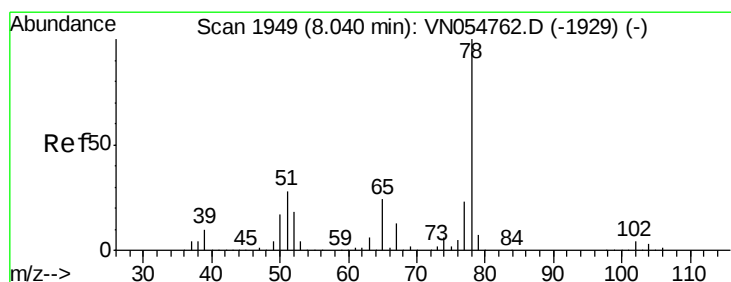
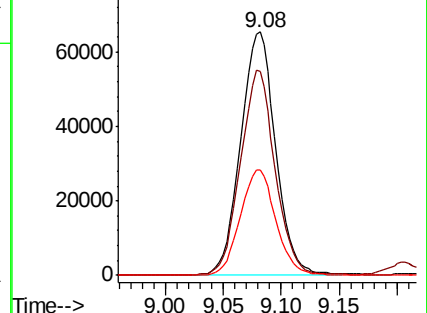
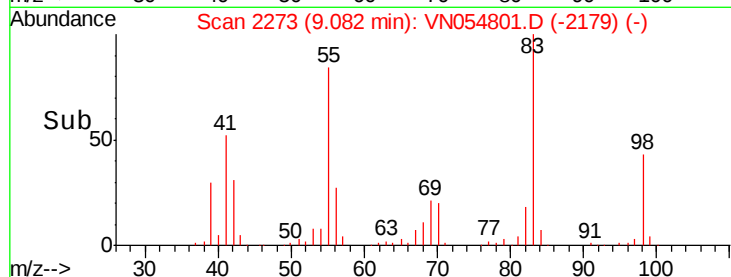
98 43.3 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN054801.D (-2179) (-)

Ion 55.00 (54.70 to 55.70): VN054801.D (-2179) (-)

Ion 98.00 (97.70 to 98.70): VN054801.D (-2179) (-)



#40

Benzene

Concen: 20.758 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054801.D

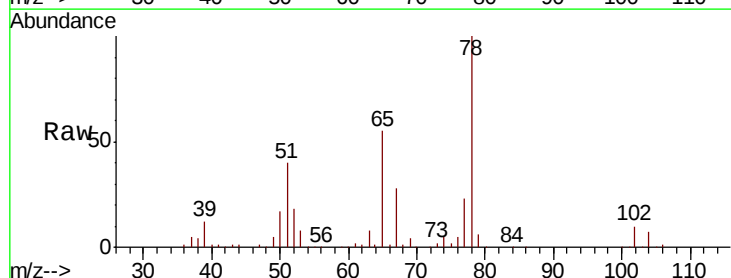
Acq: 30 Mar 2019 14:39

Tgt Ion: 78 Resp: 395228

Ion Ratio Lower Upper

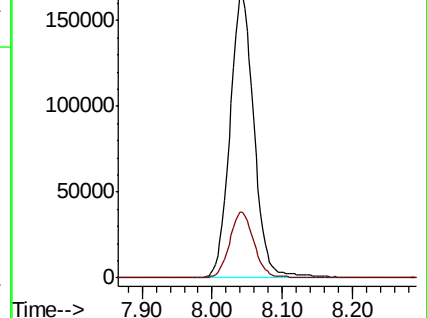
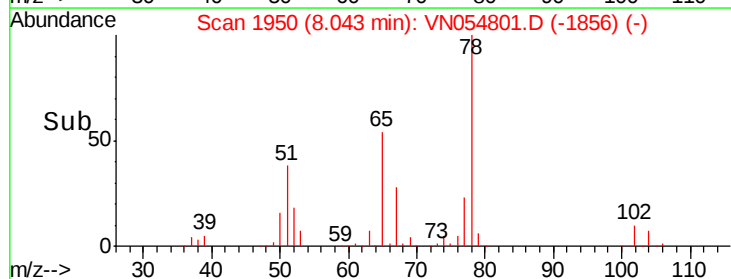
78 100

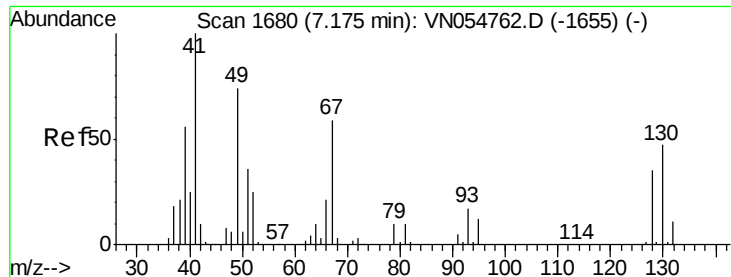
77 23.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN054801.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN054801.D (-1856) (-)





#41

Methacrylonitrile

Concen: 24.491 ug/l

RT: 7.18 min Scan# 1681

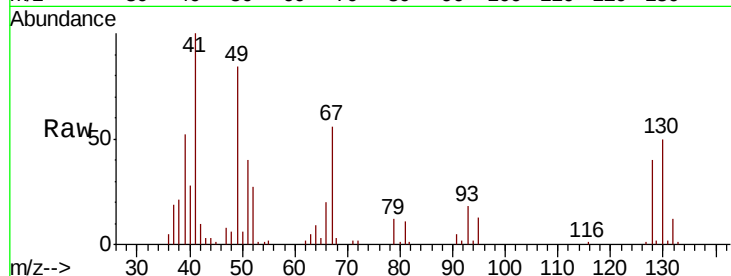
Delta R.T. 0.00 min

Lab File: VN054801.D

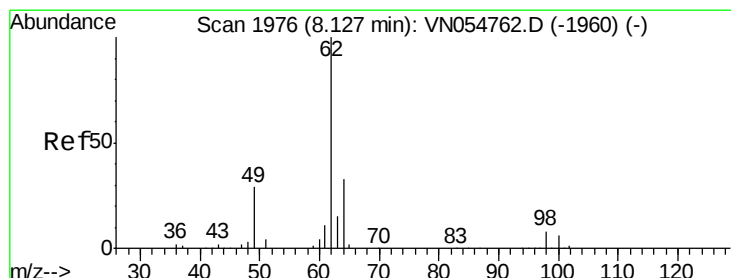
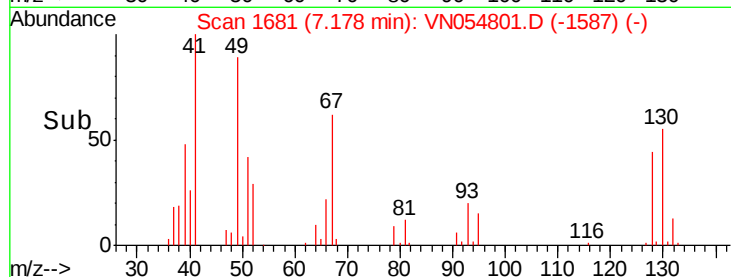
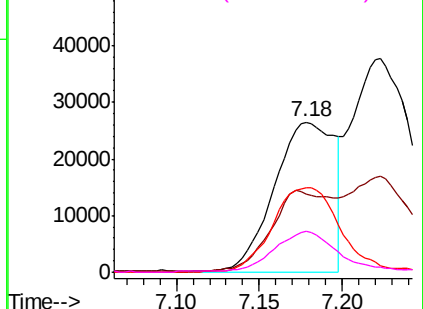
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampled :

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



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



#42

1,2-Dichloroethane

Concen: 21.095 ug/l

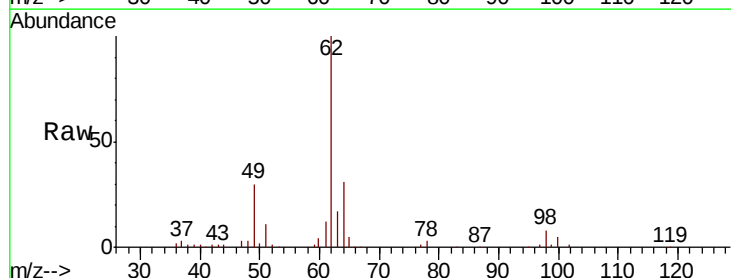
RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

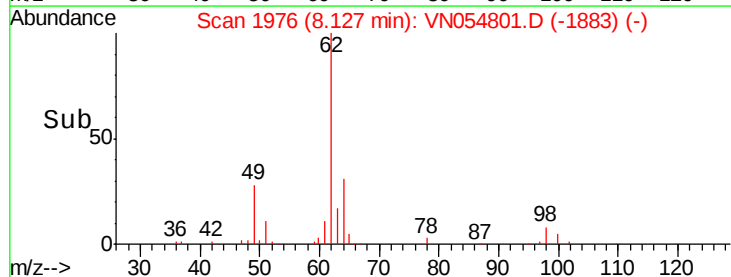
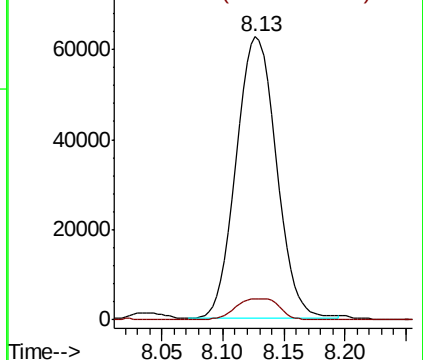
Lab File: VN054801.D

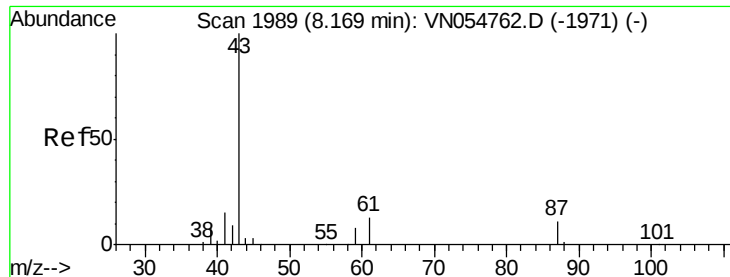
Acq: 30 Mar 2019 14:39

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



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





#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

ClientSampleId :

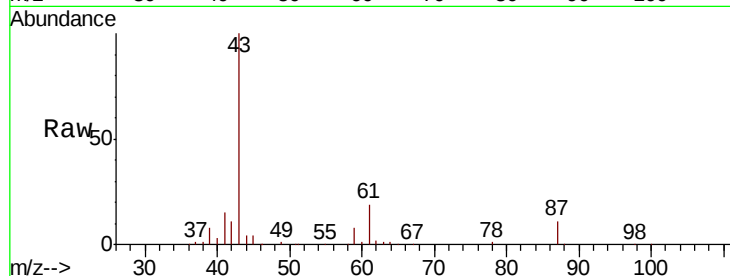
Tot Ion: 43 Resp: 183082

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

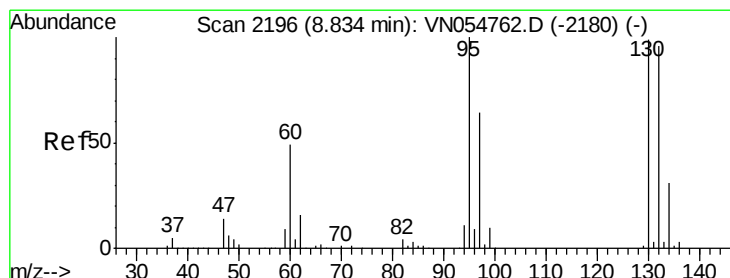
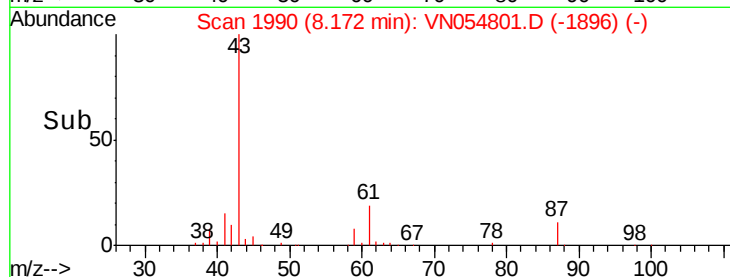
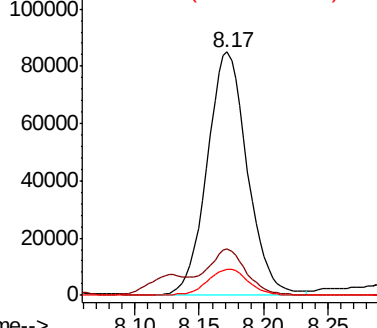
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054801.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054801.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054801.D (-1990) (-)



#44

Trichloroethene

Concen: 20.001 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054801.D

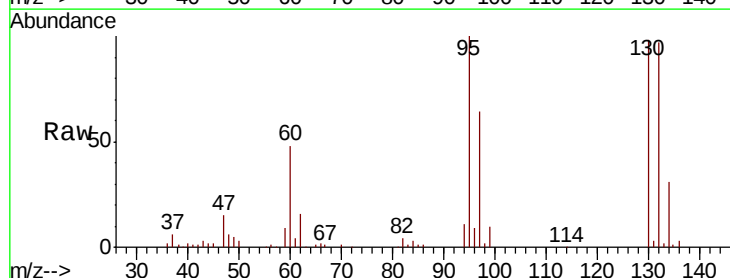
Acq: 30 Mar 2019 14:39

Tgt Ion:130 Resp: 98855

Ion Ratio Lower Upper

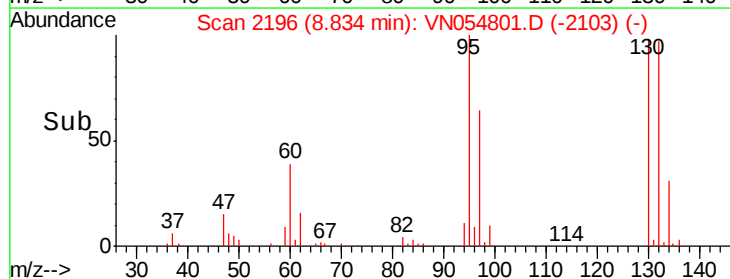
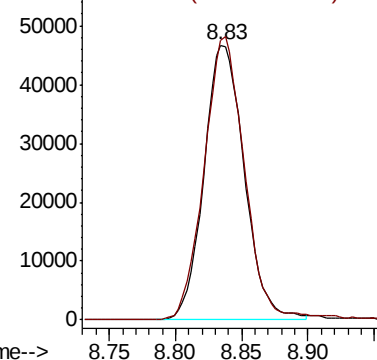
130 100

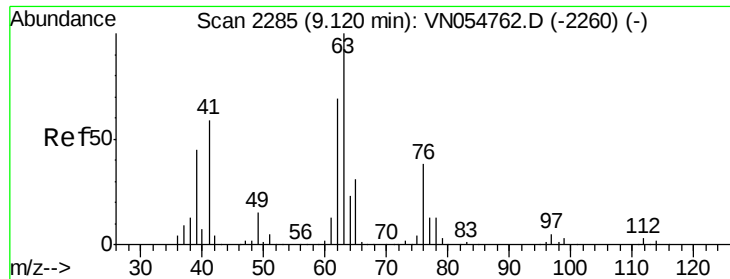
95 101.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054801.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054801.D (-2196) (-)

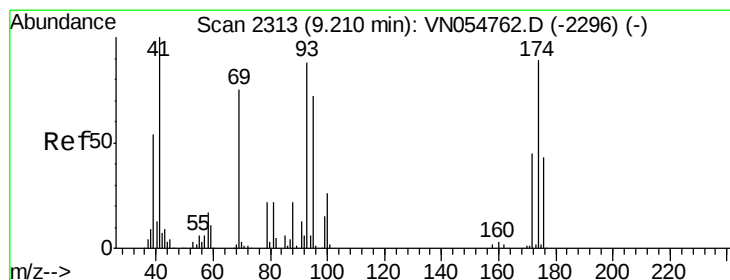
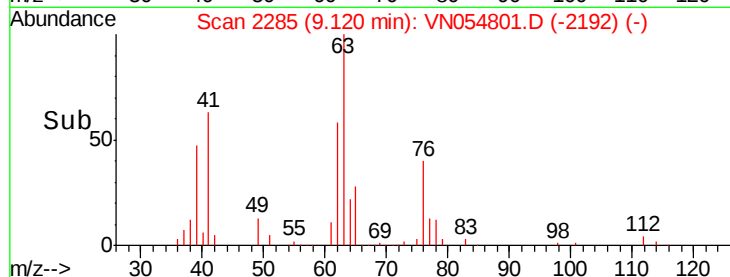
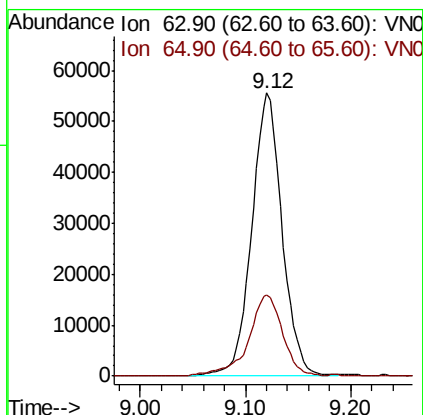
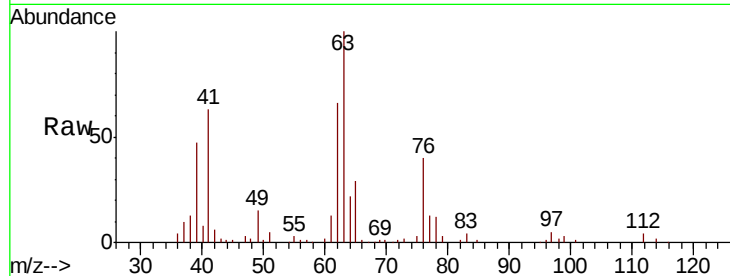




#45
 1,2-Dichloropropane
 Concen: 20.582 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

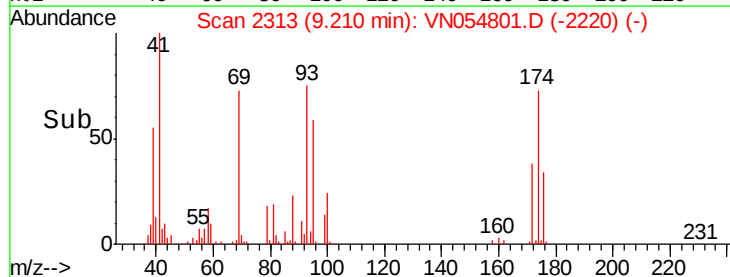
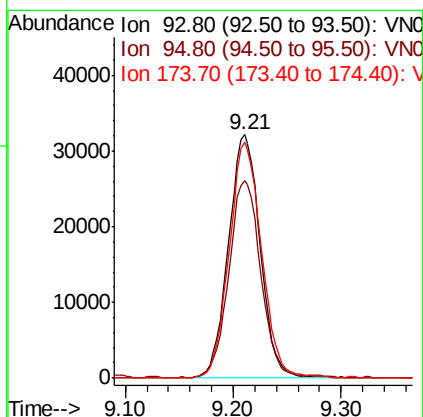
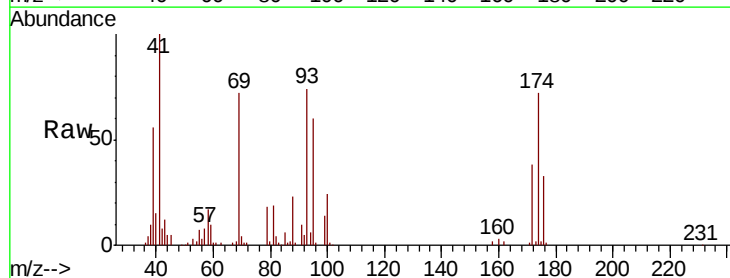
Instrument :
 MSVOA_N
 ClientSampleId :

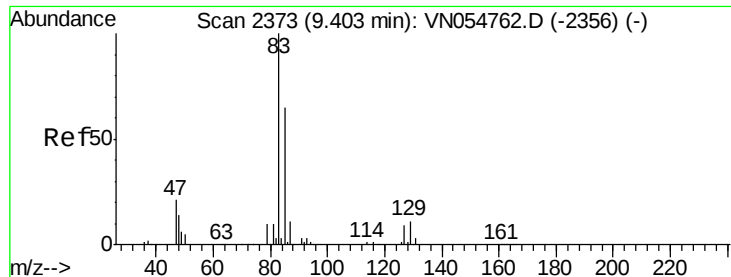
Tot Ion: 63 Resp: 111740
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.0 37.6



#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

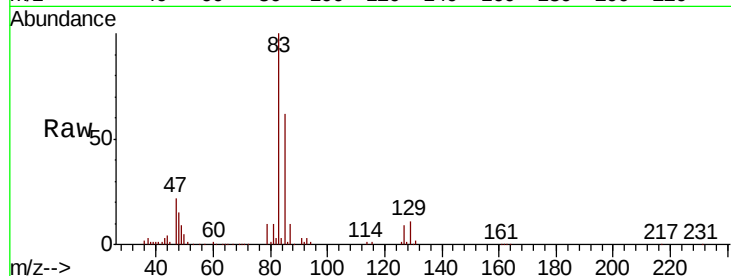




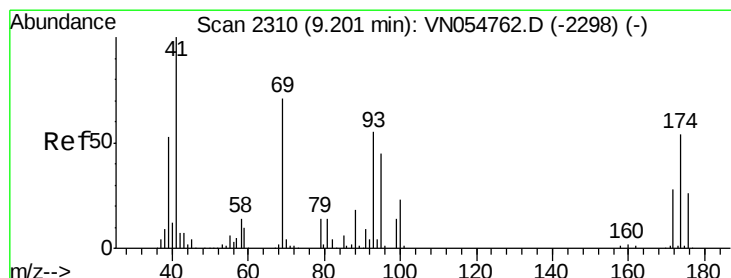
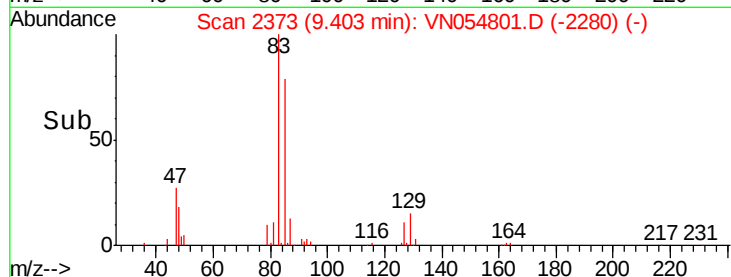
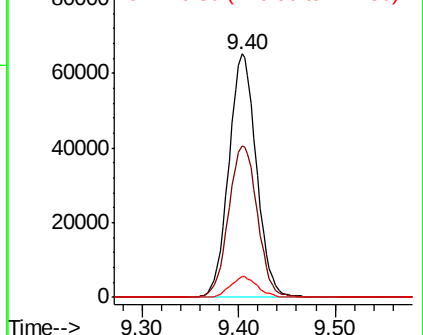
#47
Bromodichloromethane
Concen: 20.343 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :

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

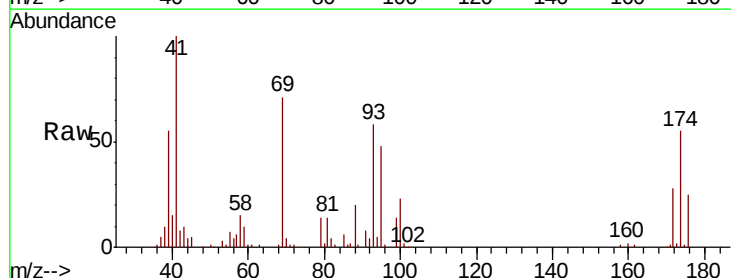


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

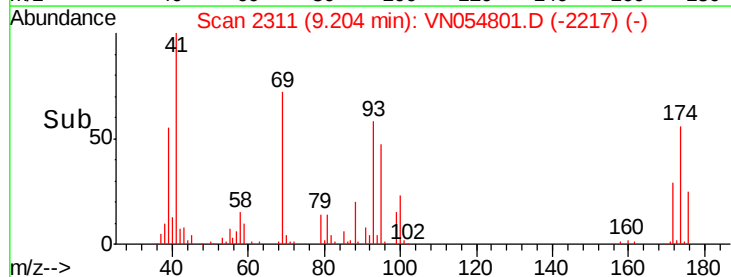
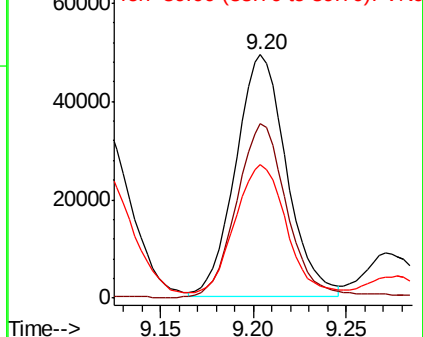


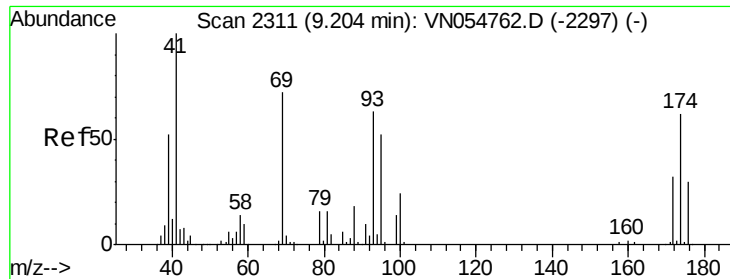
#48
Methyl methacrylate
Concen: 21.959 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

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

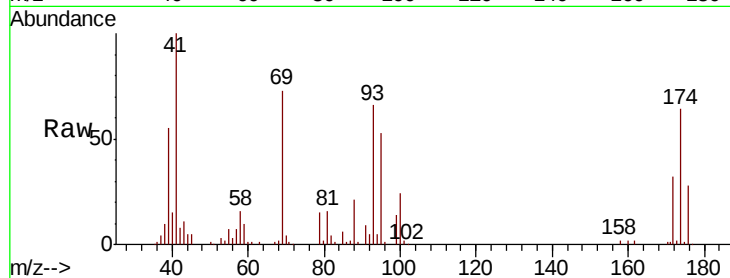




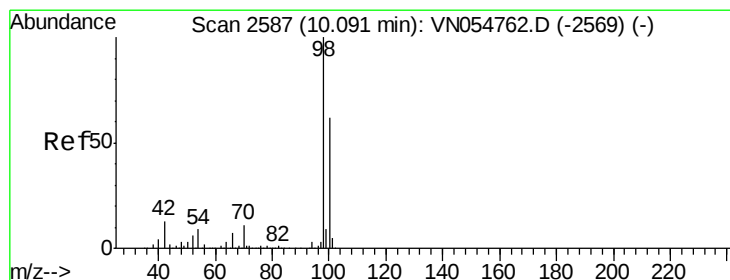
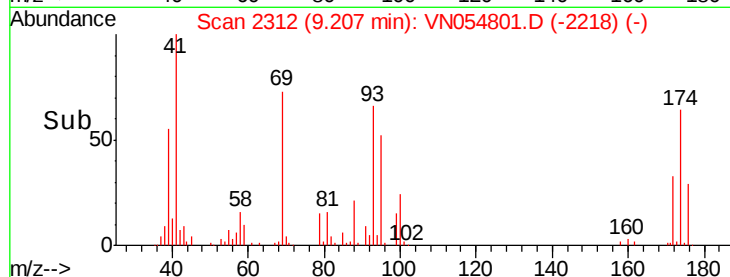
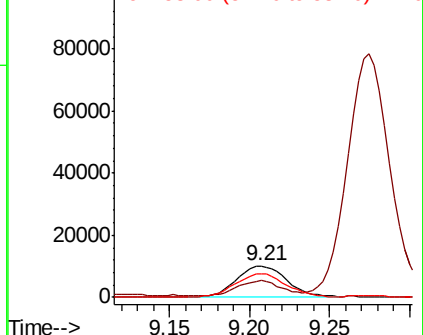
#49
1,4-Dioxane
Concen: 512.664 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampled :

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

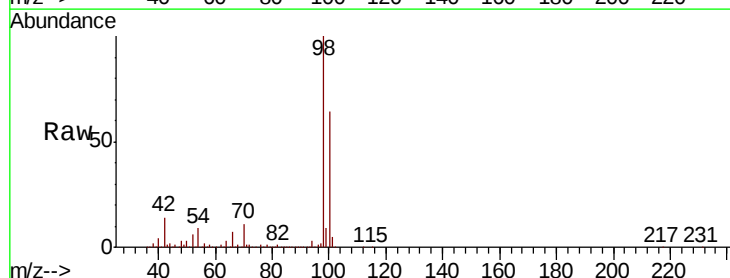


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

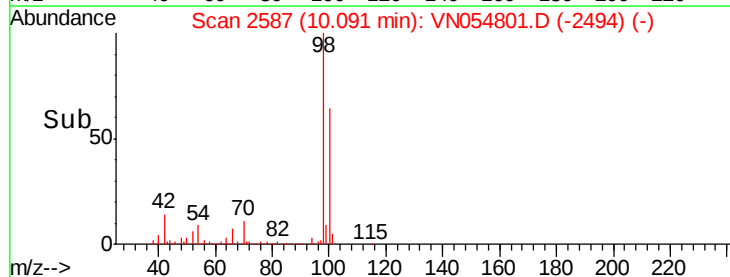
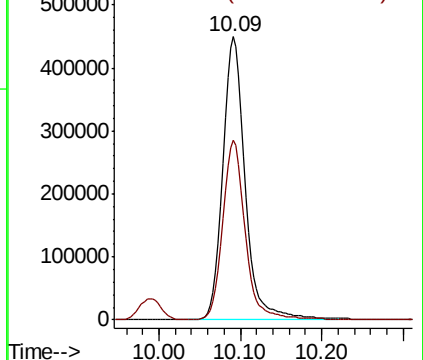


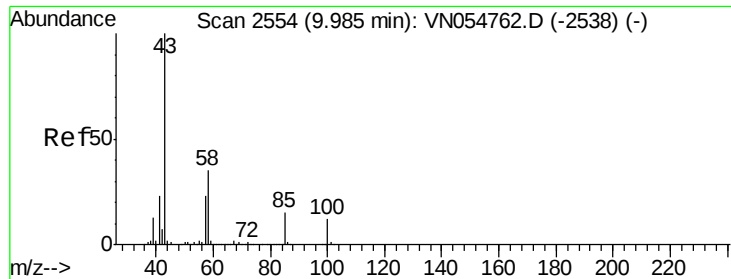
#50
Toluene-d8
Concen: 49.551 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

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

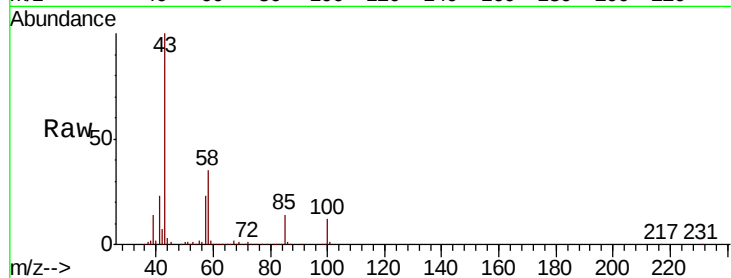
ClientSampleId :

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): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

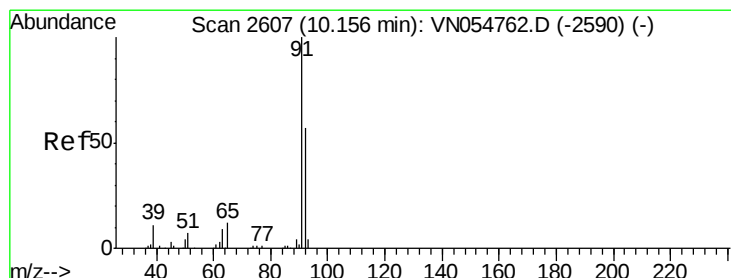
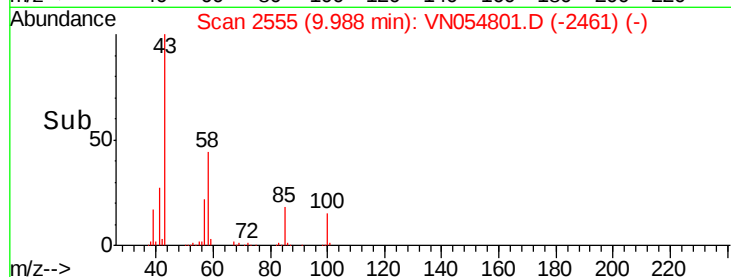
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.231 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054801.D

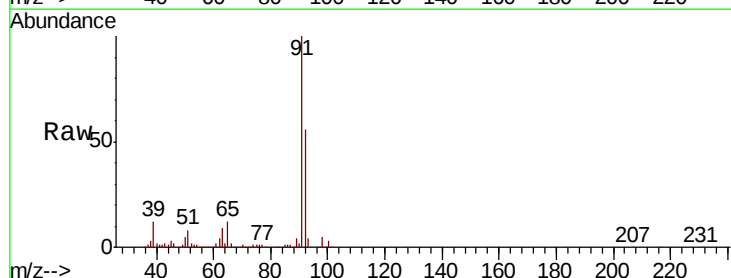
Acq: 30 Mar 2019 14:39

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): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

200000

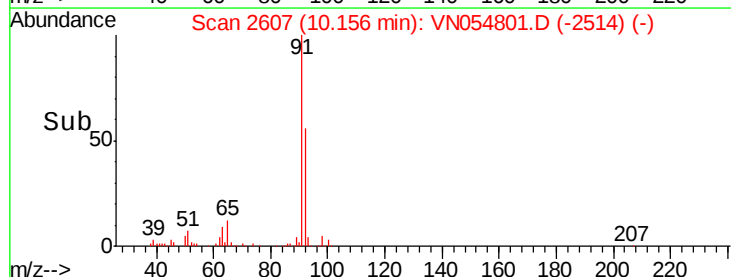
150000

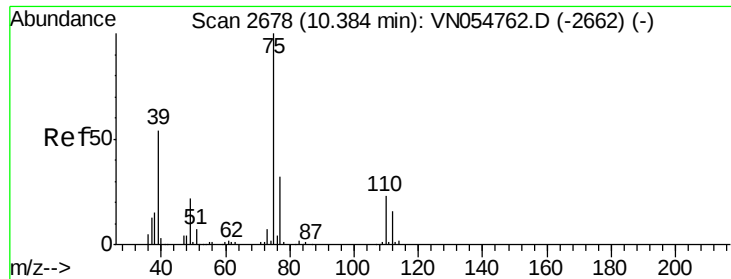
100000

50000

0

Time-->





#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

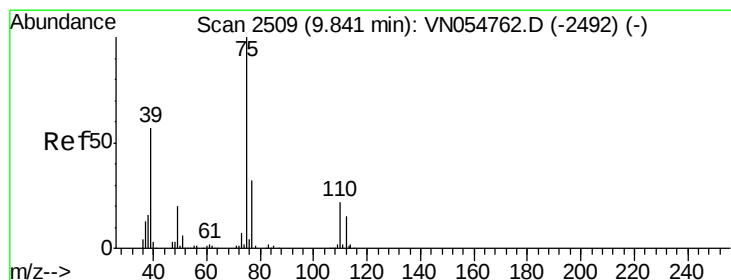
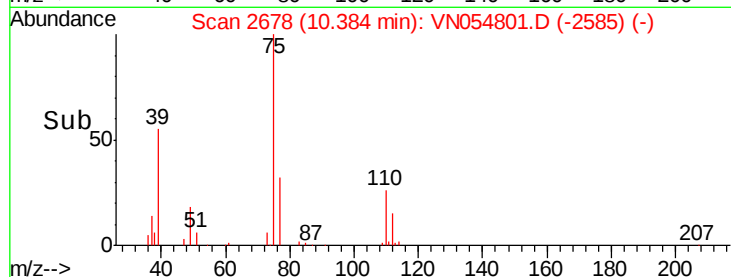
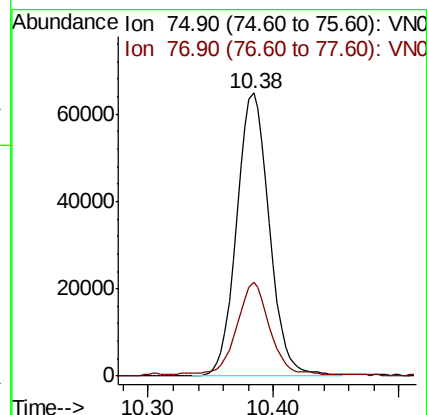
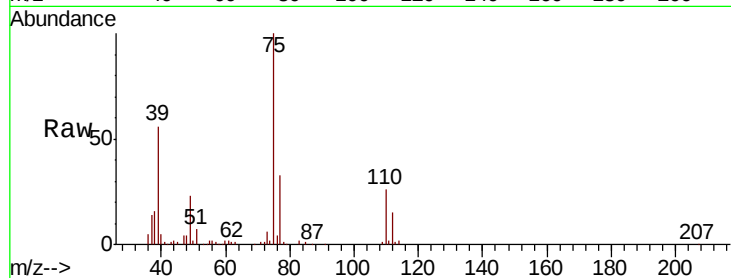
ClientSampleId :

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

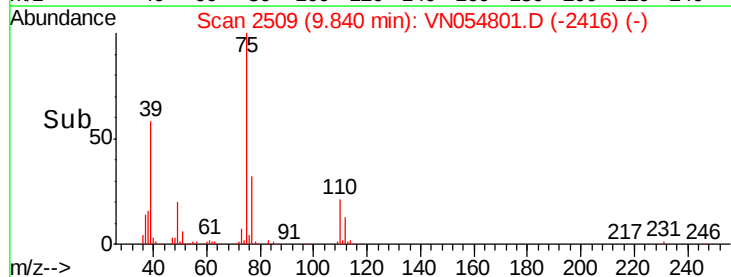
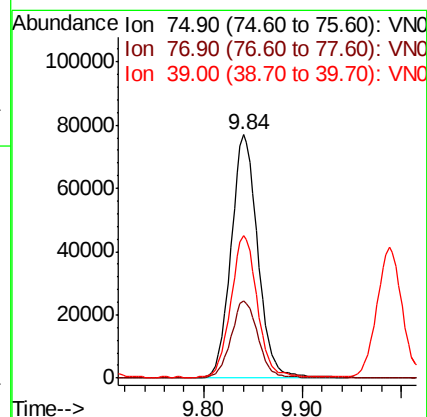
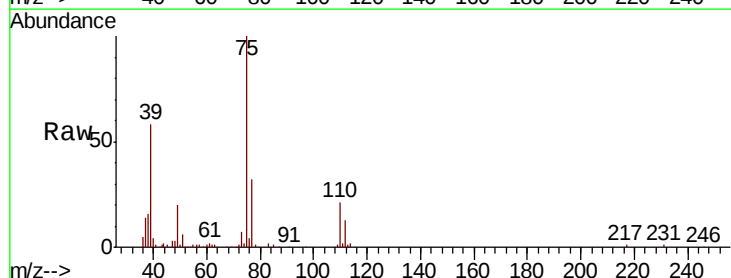
Tgt Ion: 75 Resp: 145939

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 :

Tot Ion: 97 Resp: 90267

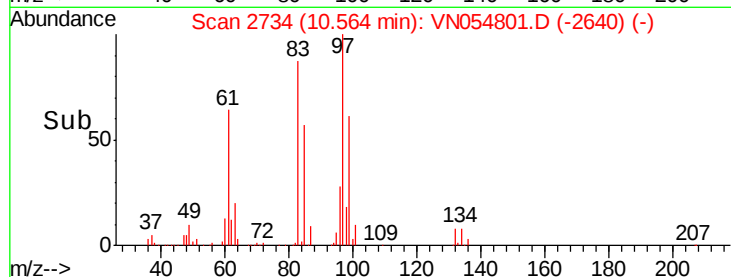
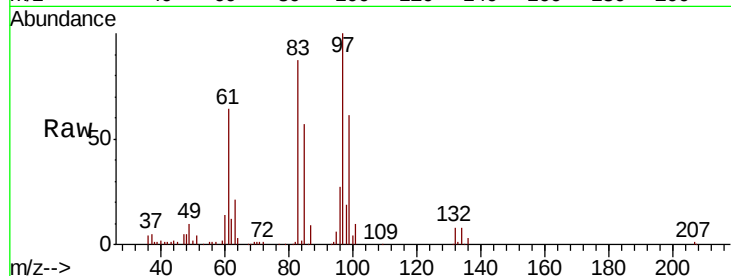
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.6	100.0
85	56.9	44.4	66.6
99	61.0	50.8	76.2

97 100

83 85.8 66.6 100.0

85 56.9 44.4 66.6

99 61.0 50.8 76.2



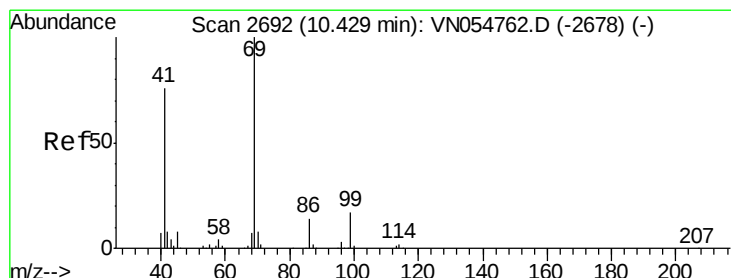
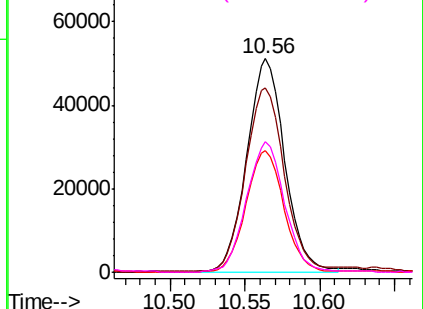
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#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

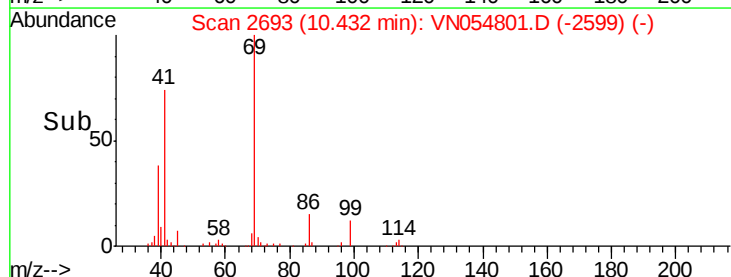
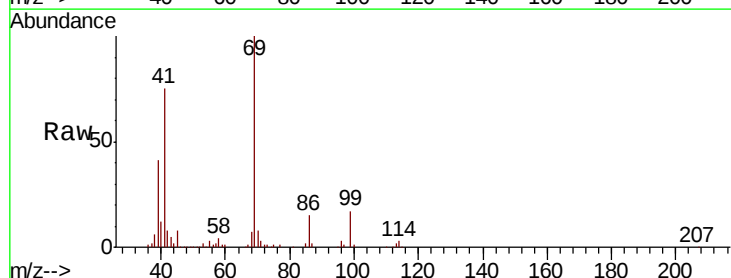
Tgt Ion: 69 Resp: 120588

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

69 100

41 75.1 49.4 74.2#

39 42.5 28.3 42.5#

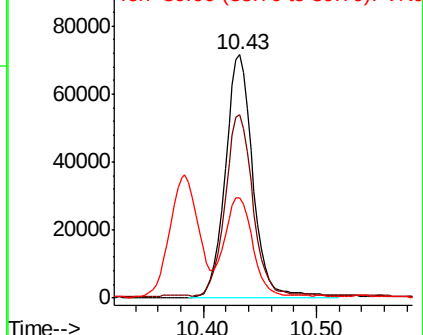


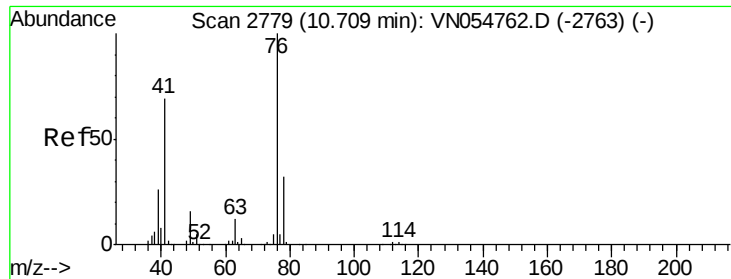
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#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

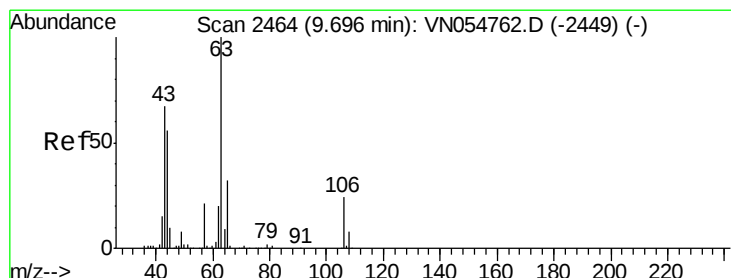
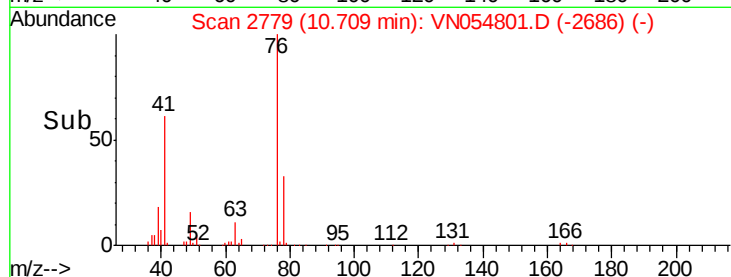
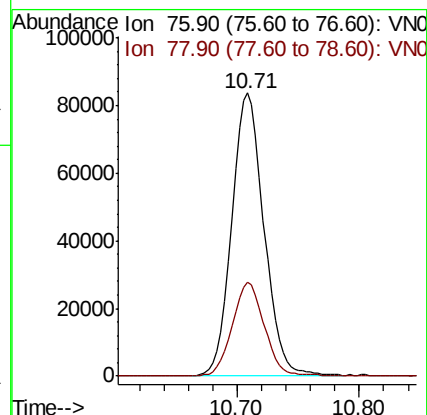
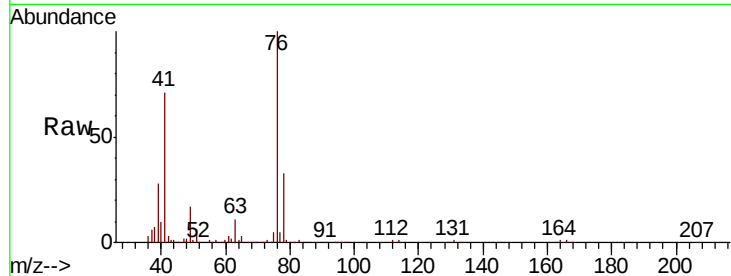
ClientSampled :

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

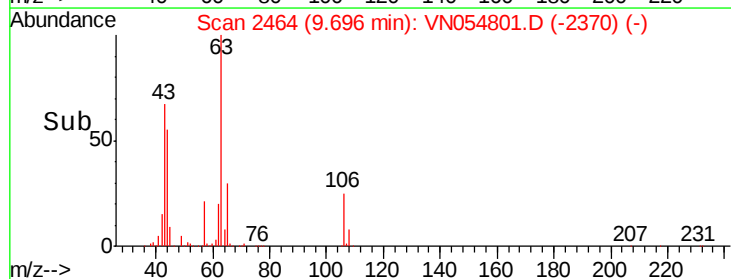
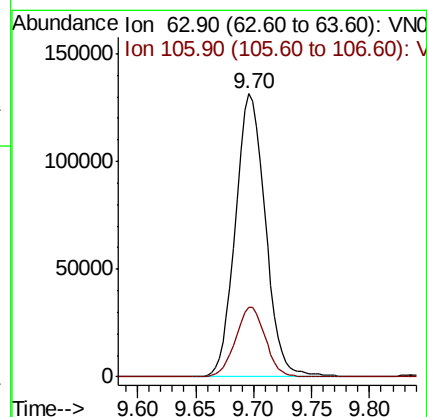
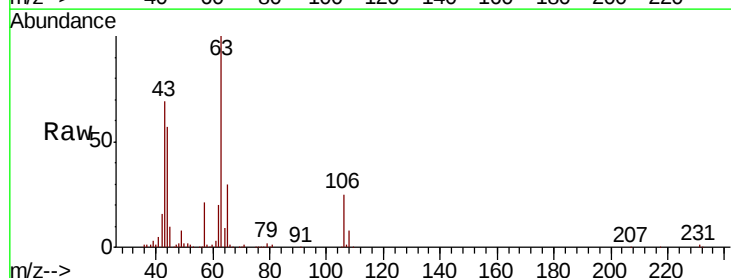
Acq: 30 Mar 2019 14:39

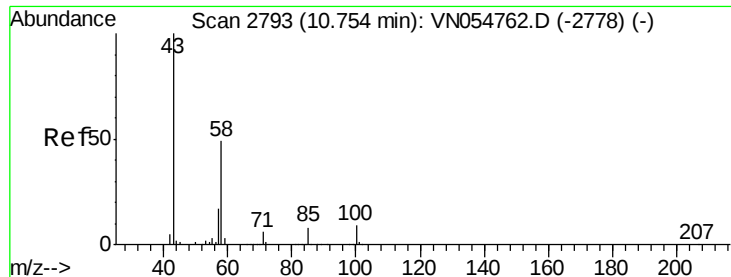
Tgt Ion: 63 Resp: 235161

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6

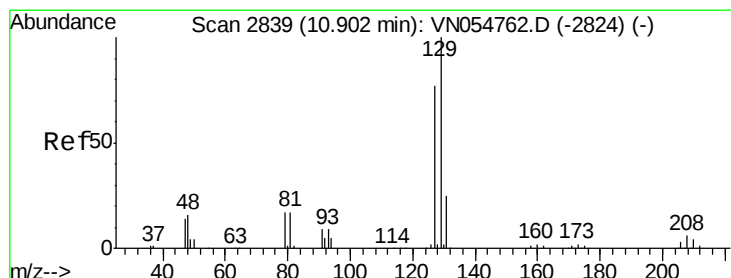
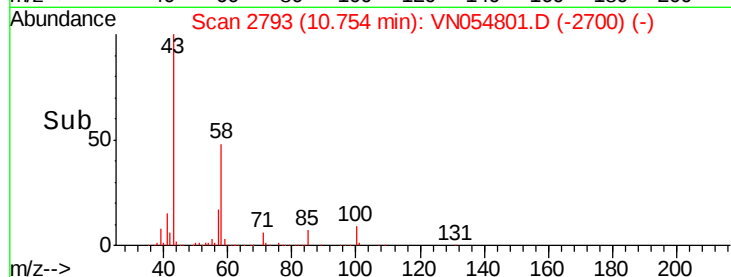
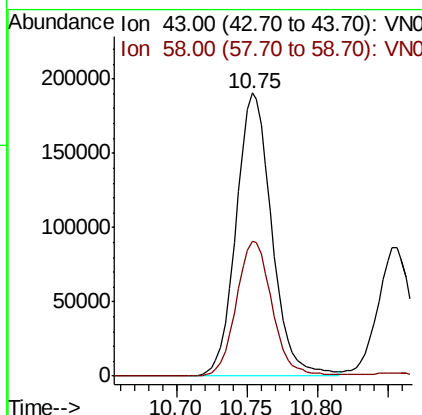
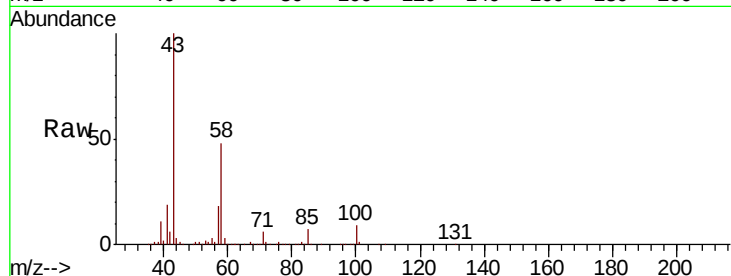




#59
2-Hexanone
Concen: 117.013 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

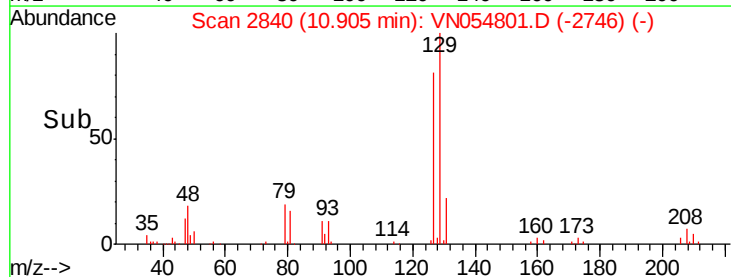
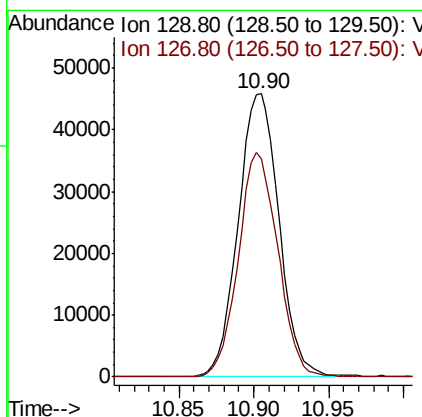
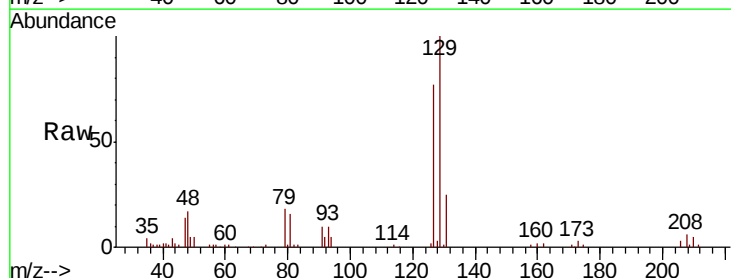
Instrument :
MSVOA_N
ClientSampled :

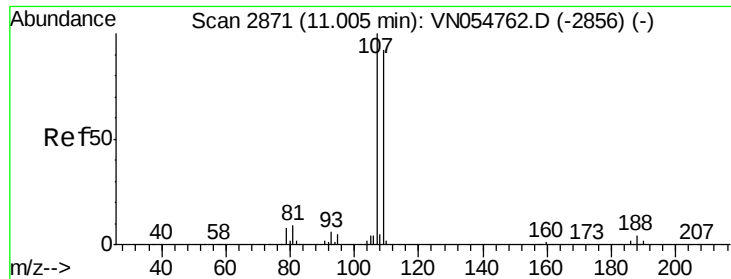
Tot Ion: 43 Resp: 333919
Ion Ratio Lower Upper
43 100
58 48.5 28.0 83.9



#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

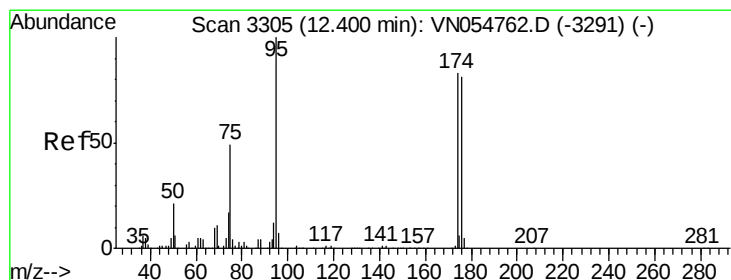
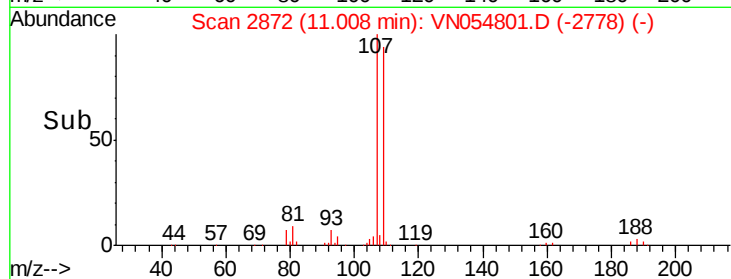
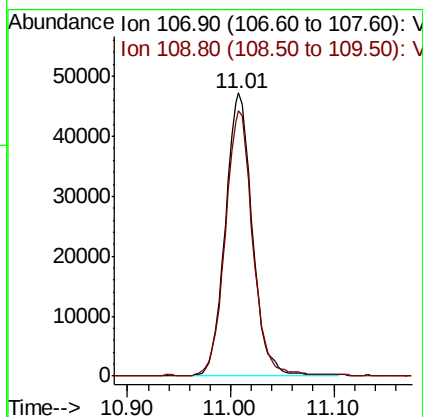
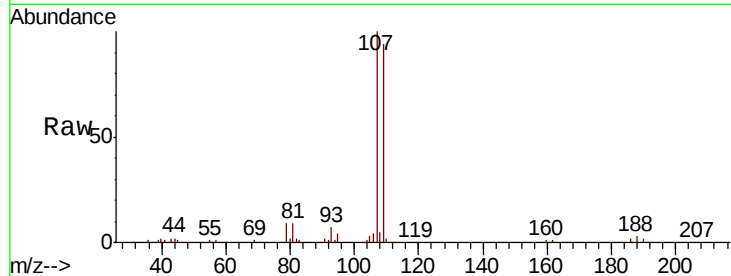




#61
 1,2-Dibromoethane
 Concen: 21.468 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

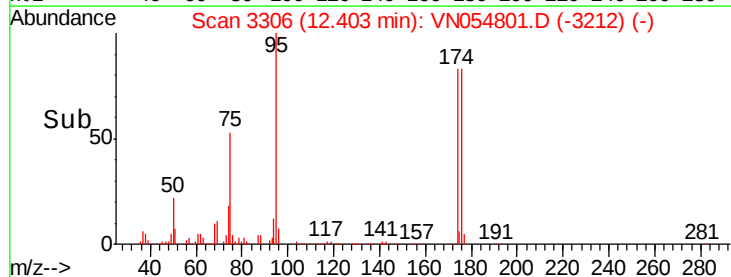
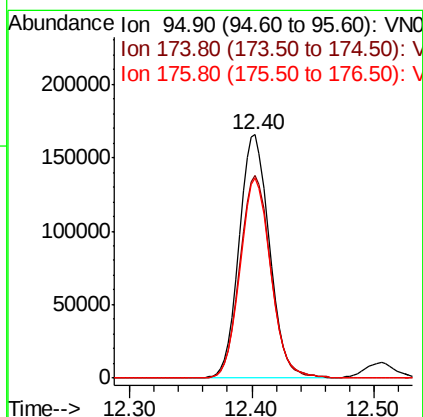
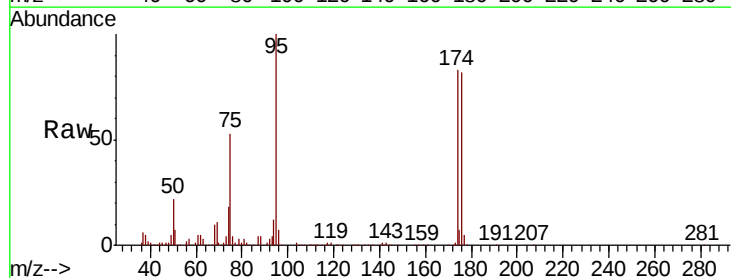
Instrument :
 MSVOA_N
 ClientSampled :

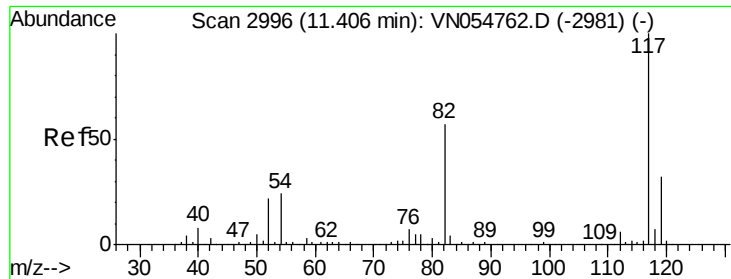
Tot Ion: 107 Resp: 86430
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.9 113.9



#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

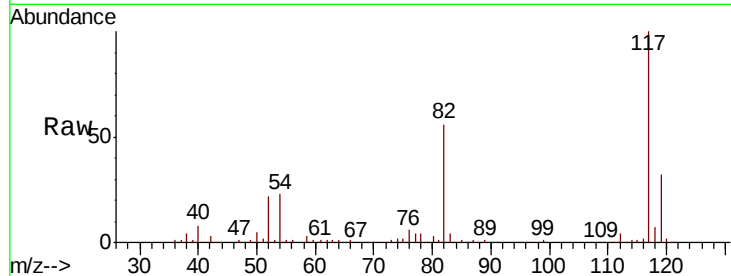




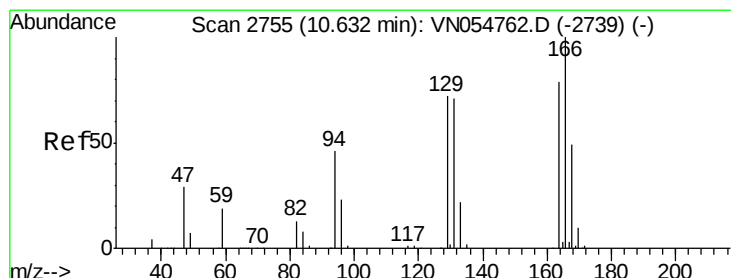
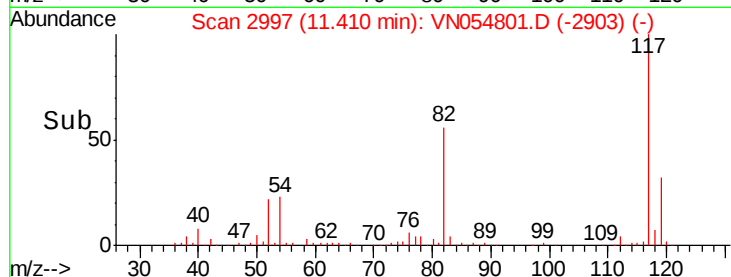
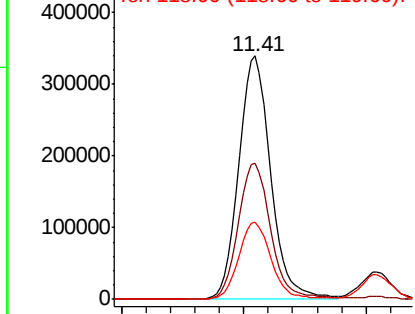
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

Instrument :
MSVOA_N
ClientSampled :

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

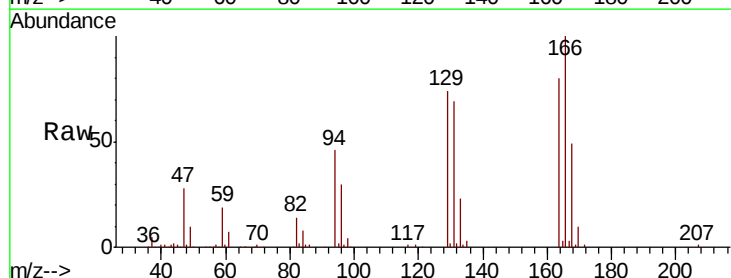


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

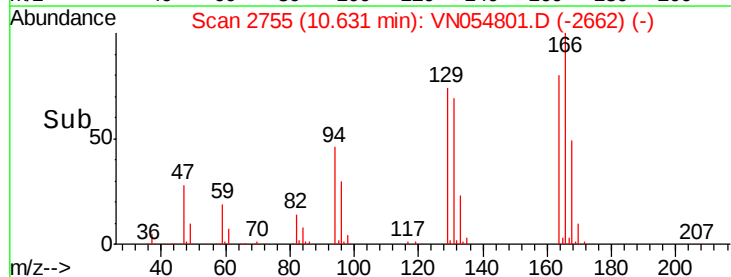
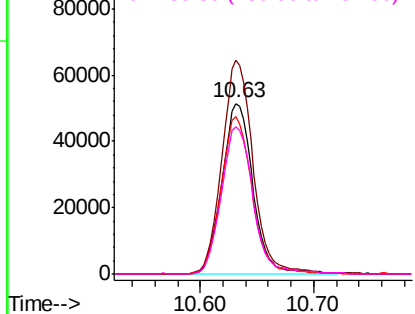


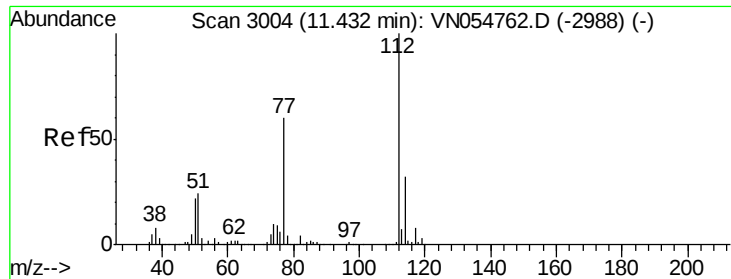
#64
Tetrachloroethene
Concen: 20.781 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

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

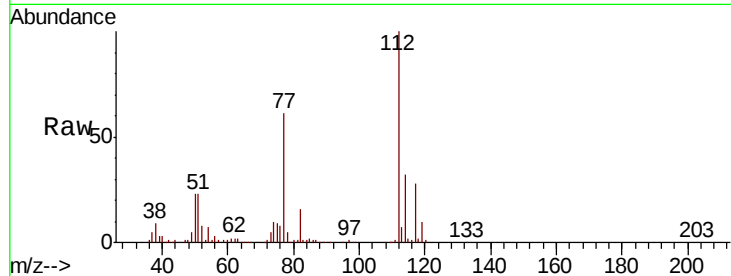
ClientSampleId :

Tot Ion:112 Resp: 243175

Ion Ratio Lower Upper

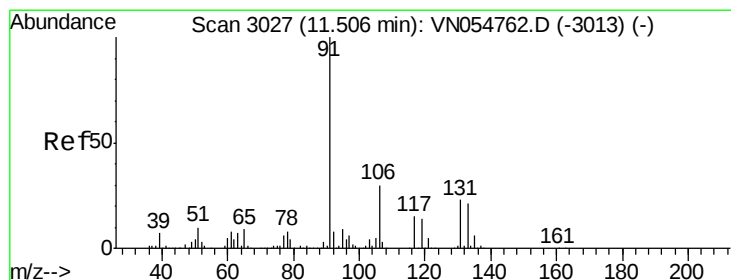
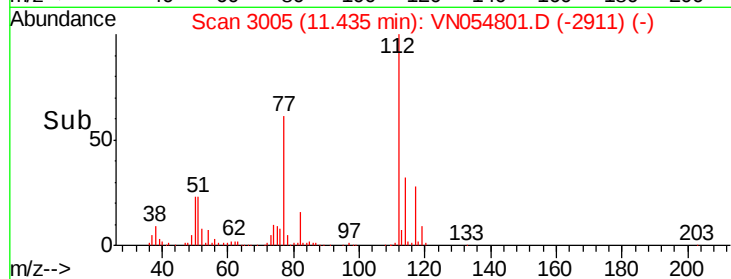
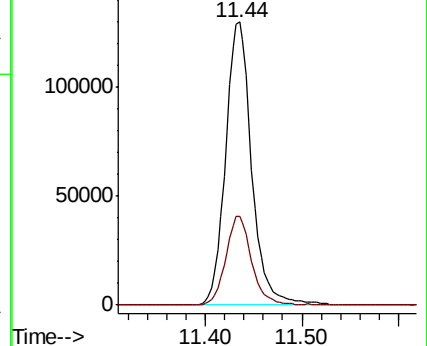
112 100

114 31.5 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 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

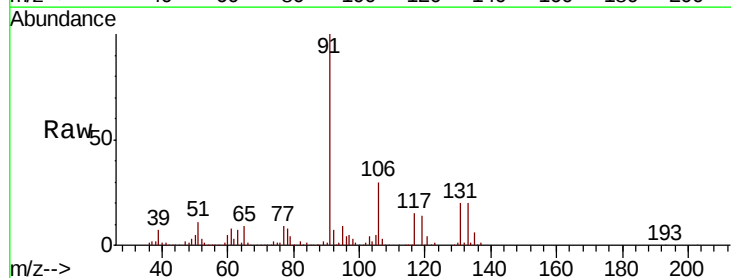
Tgt Ion:131 Resp: 89421

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

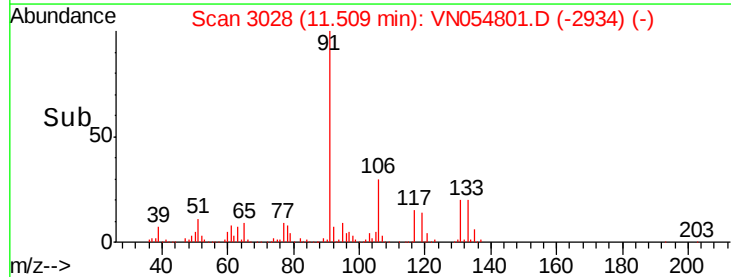
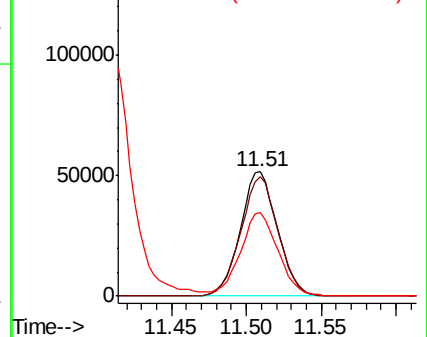
119 68.3 32.4 97.0

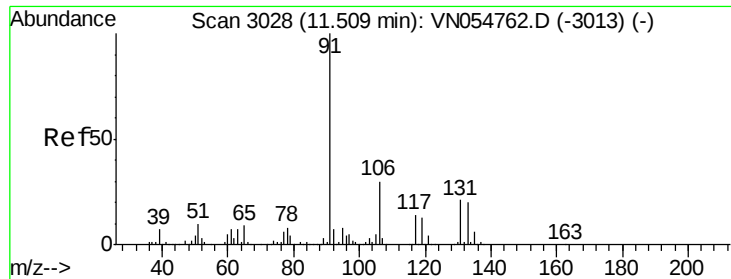


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.439 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

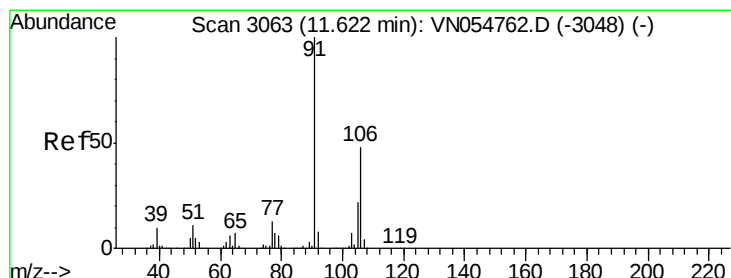
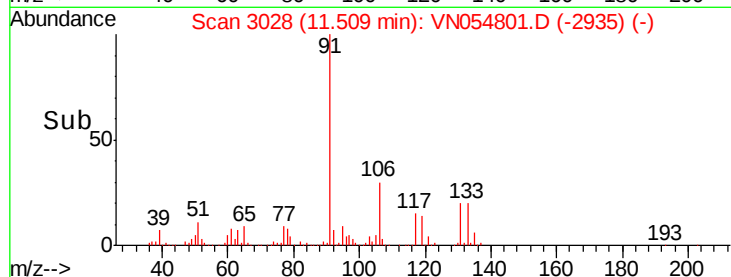
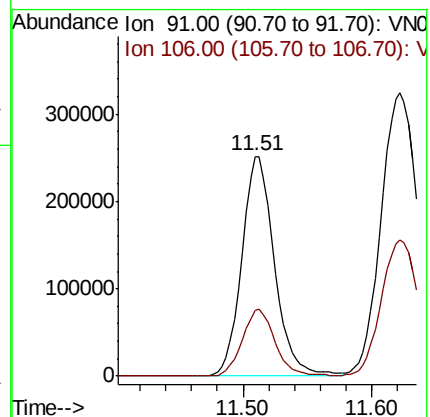
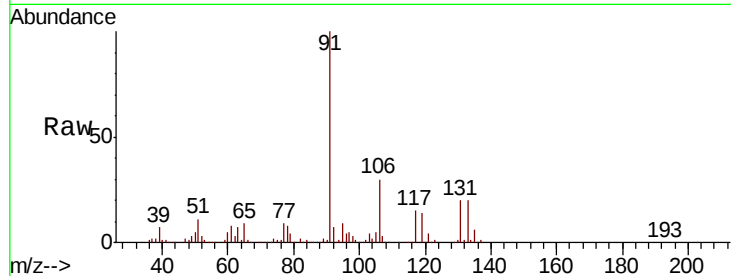
ClientSampled :

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

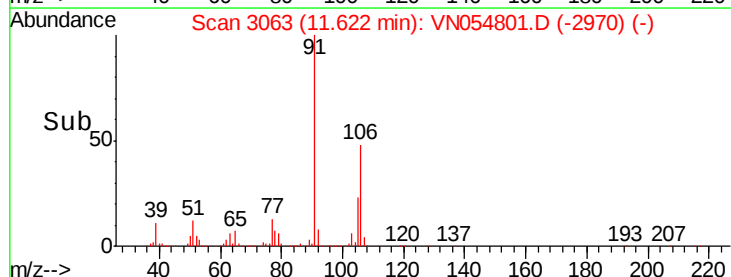
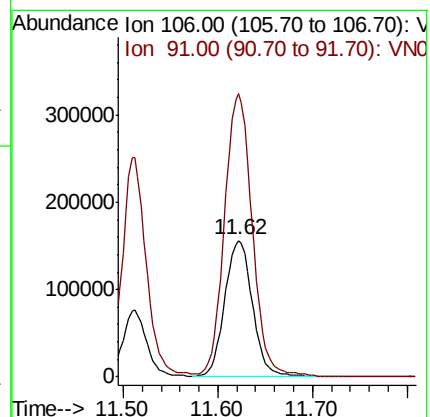
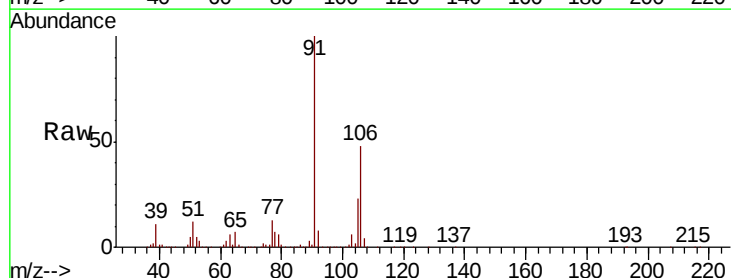
Acq: 30 Mar 2019 14:39

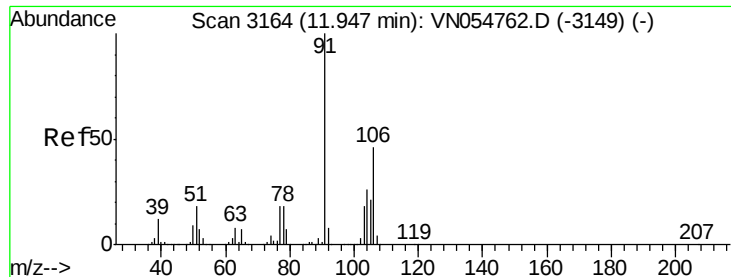
Tgt Ion: 106 Resp: 320004

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

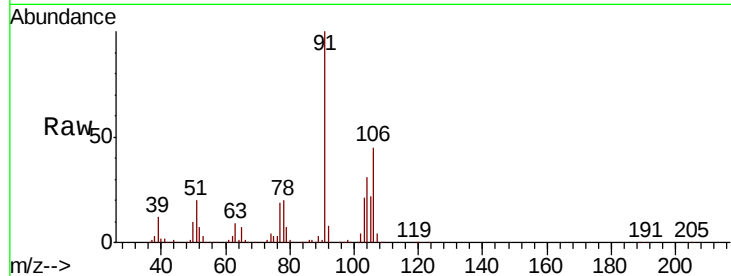
ClientSampled :

Tot Ion:106 Resp: 159074

Ion Ratio Lower Upper

106 100

91 217.5 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

100000

50000

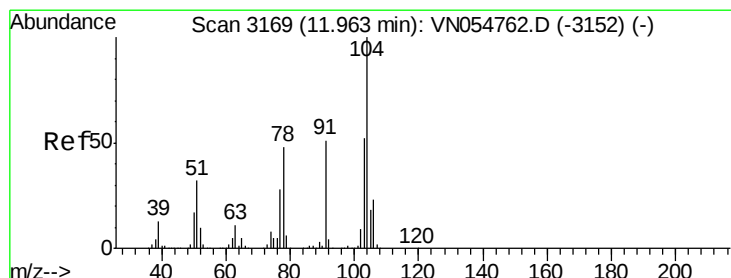
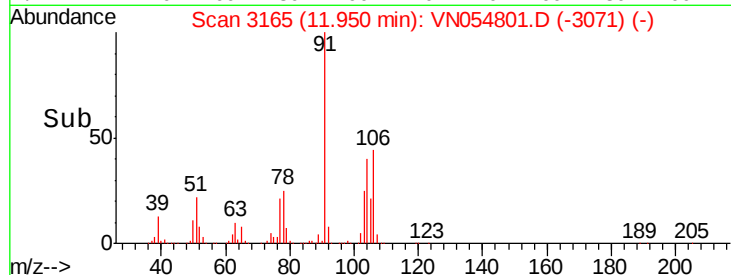
0

11.95

11.90

12.00

Time-->



#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

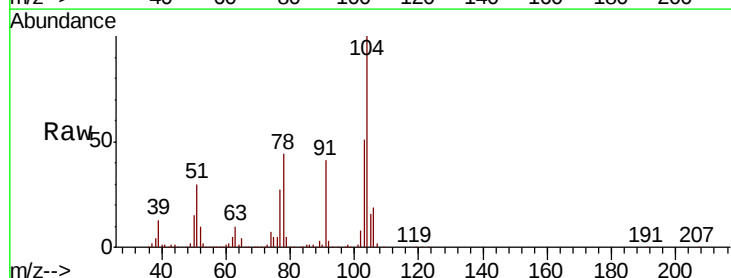
Tgt Ion:104 Resp: 261502

Ion Ratio Lower Upper

104 100

78 51.0 38.2 57.2

103 55.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

200000

150000

100000

50000

0

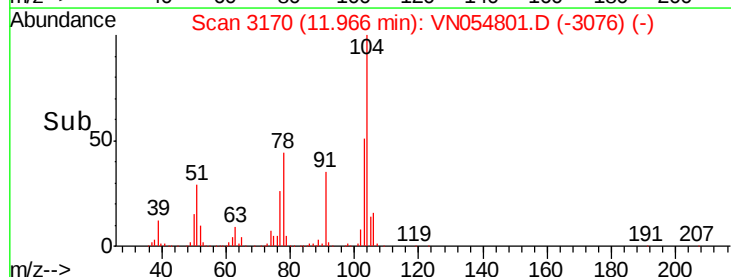
11.97

11.90

12.00

12.10

Time-->

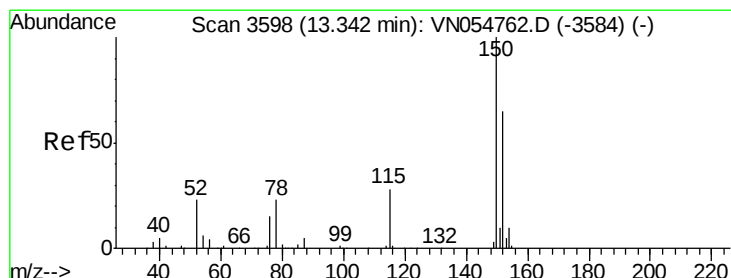
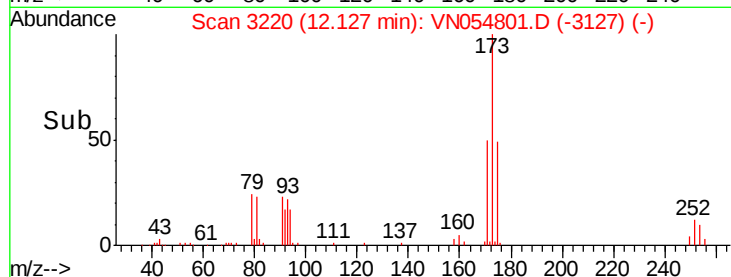
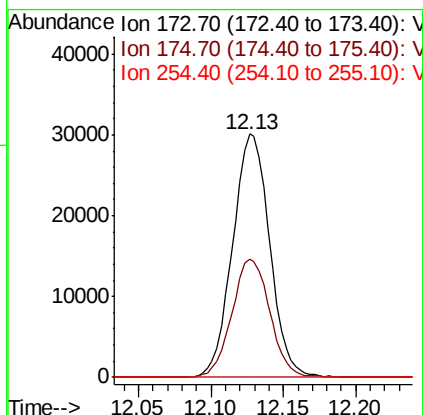
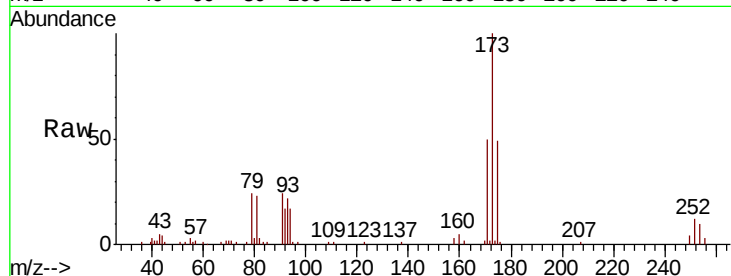




#71
Bromoform
Concen: 20.206 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

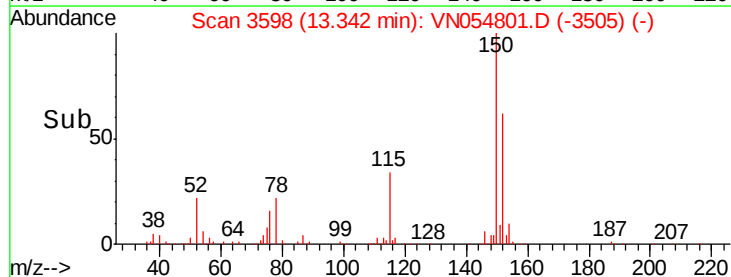
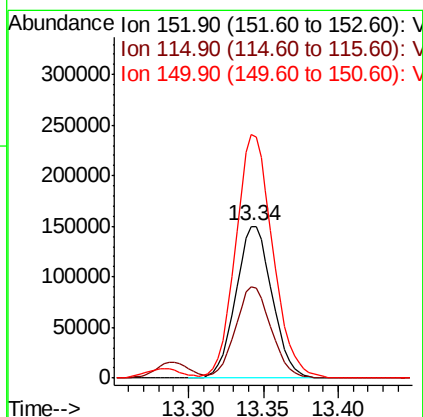
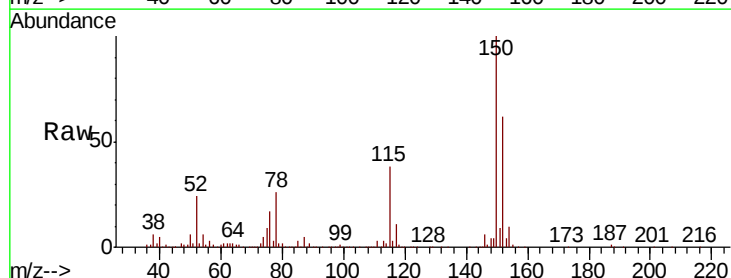
Instrument :
MSVOA_N
ClientSampled :

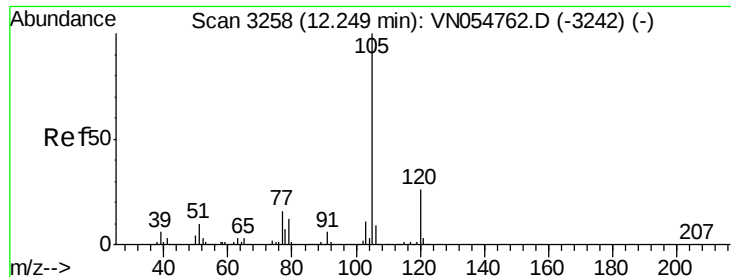
Tot Ion:173 Resp: 53342
Ion Ratio Lower Upper
173 100
175 49.8 24.4 73.2
254 0.0 0.1 0.1#



#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

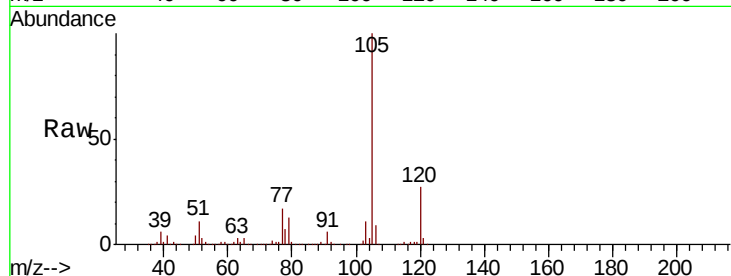
ClientSampled :

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

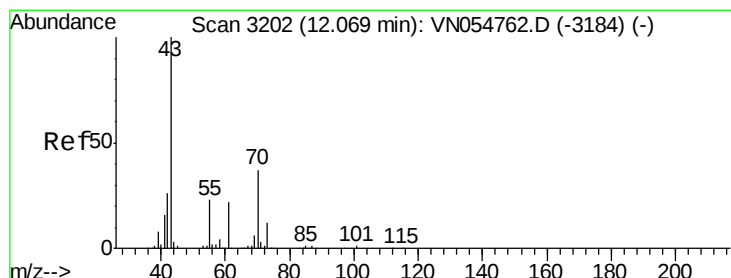
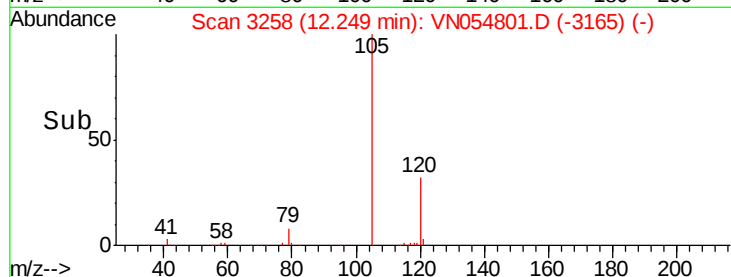
100000

50000

0

Time-->

12.20 12.30



#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

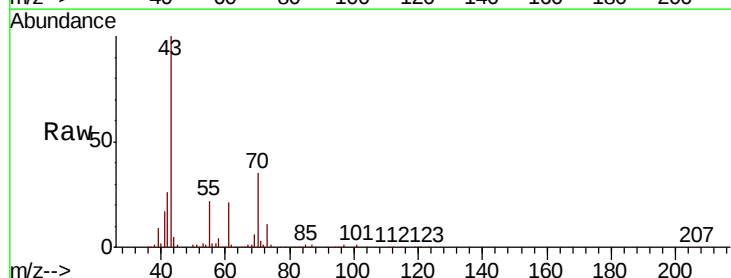
Ion Ratio Lower Upper

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): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

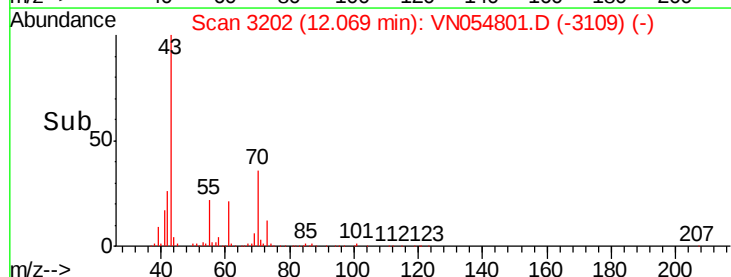
100000

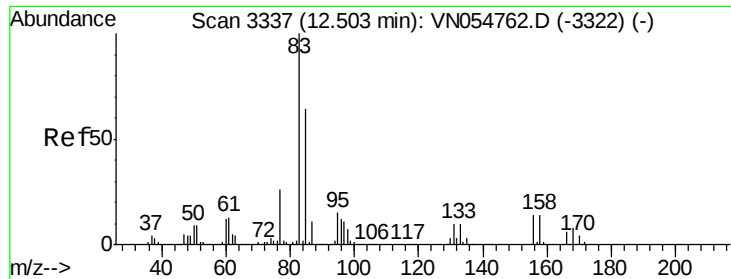
50000

0

Time-->

12.00 12.10





#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

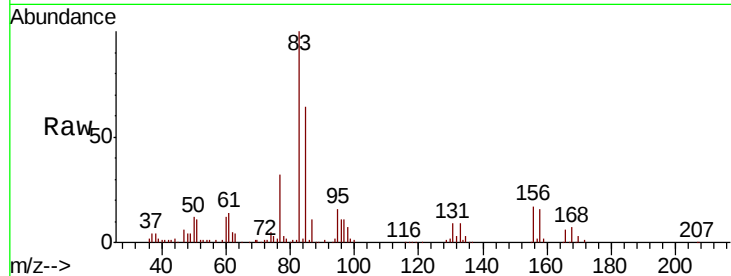
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 113500

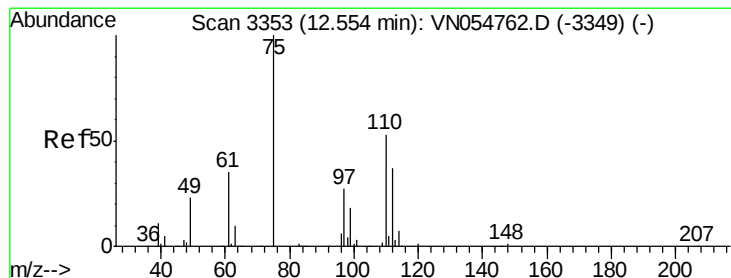
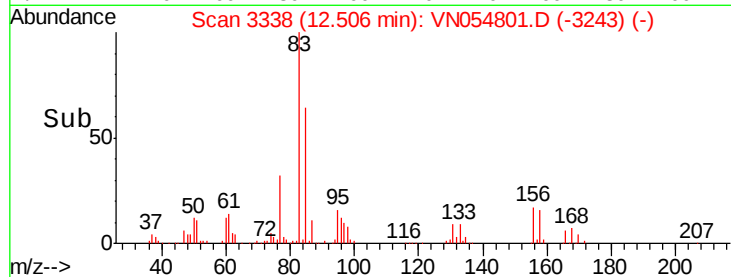
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.8	17.4
85	64.4	32.2	96.6



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

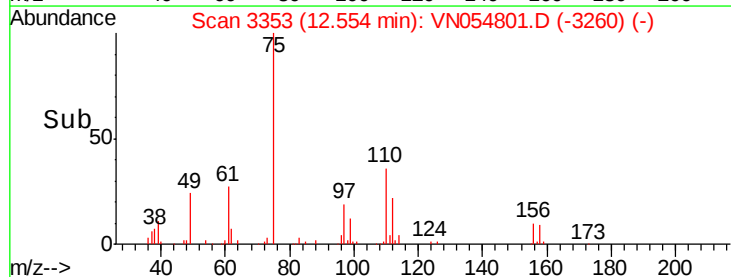
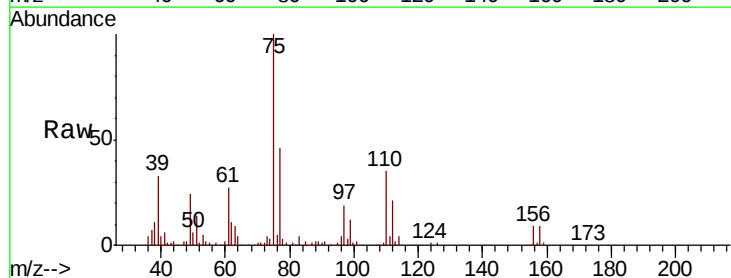
Acq: 30 Mar 2019 14:39

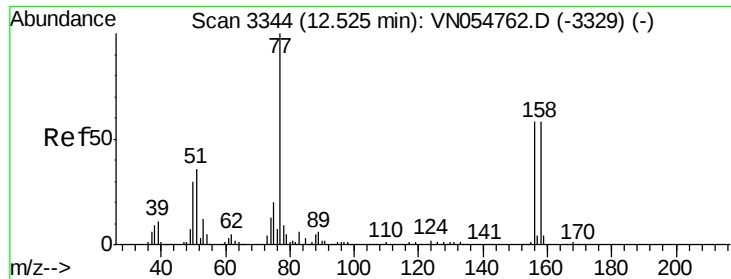
Tgt Ion: 75 Resp: 131615

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 :

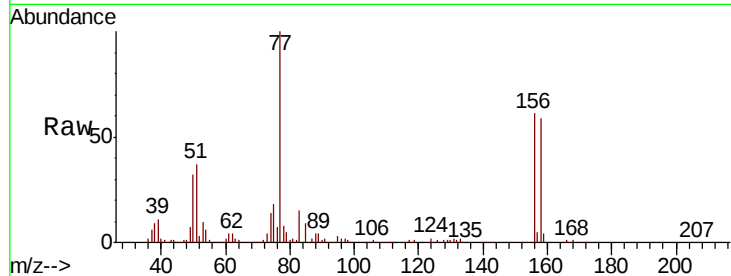
Tot Ion:156 Resp: 102538

Ion Ratio Lower Upper

156 100

77 195.7 81.5 244.4

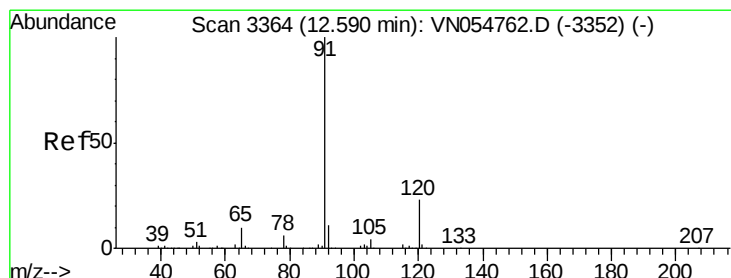
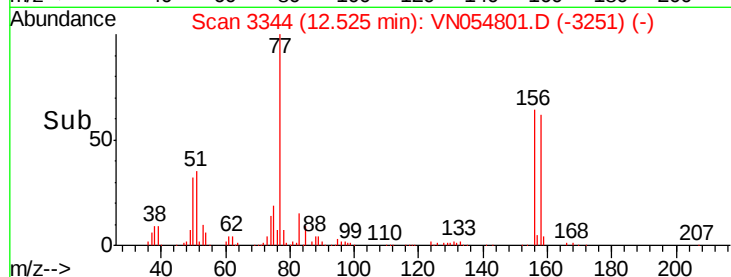
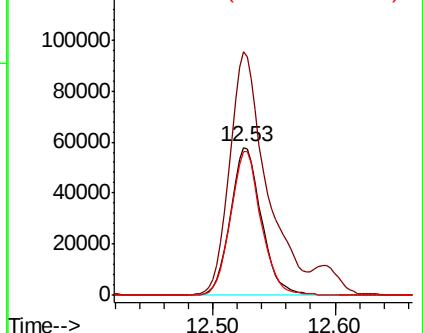
158 96.0 49.0 147.2



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

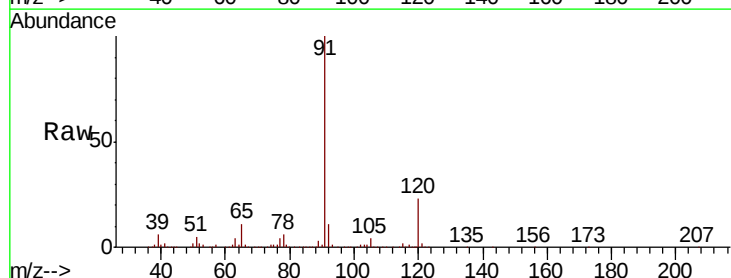
Acq: 30 Mar 2019 14:39

Tgt Ion: 91 Resp: 453806

Ion Ratio Lower Upper

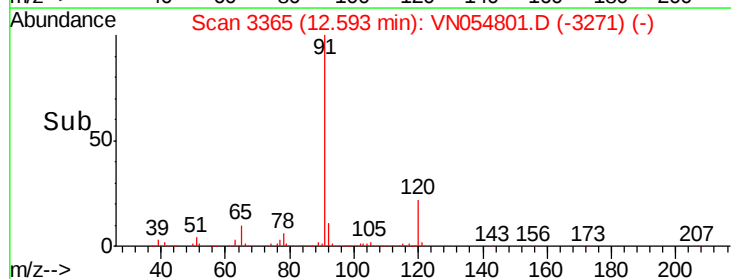
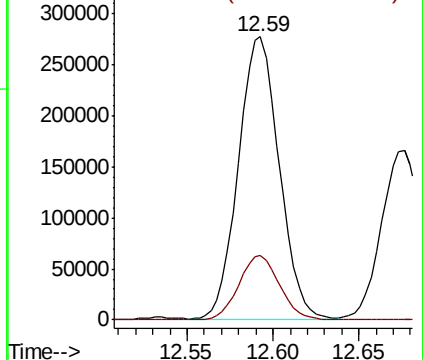
91 100

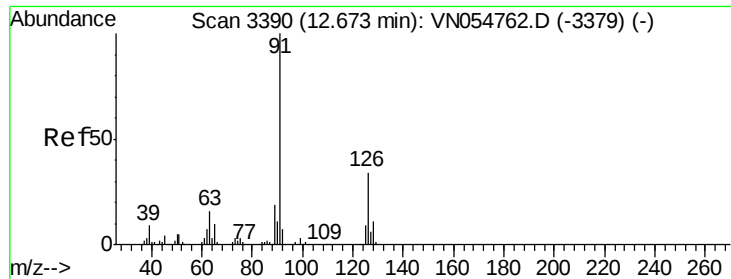
120 22.9 12.3 36.9



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

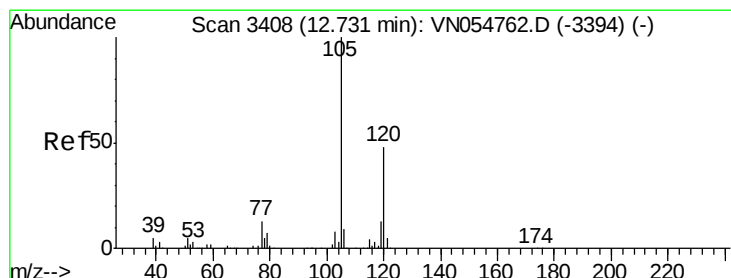
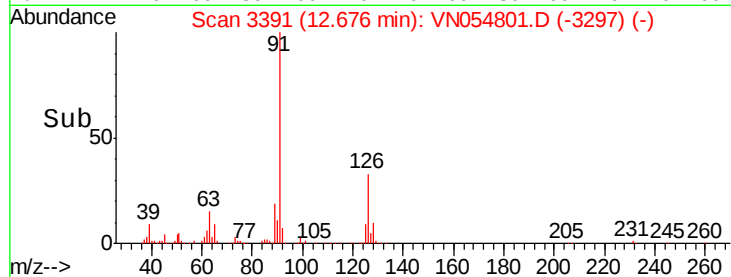
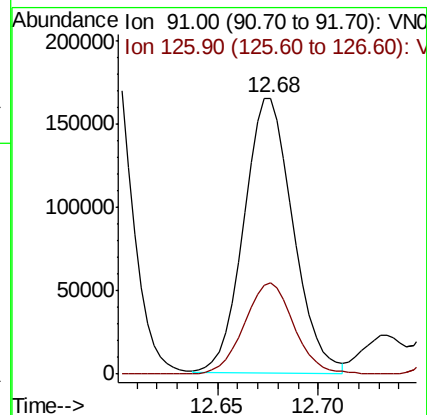
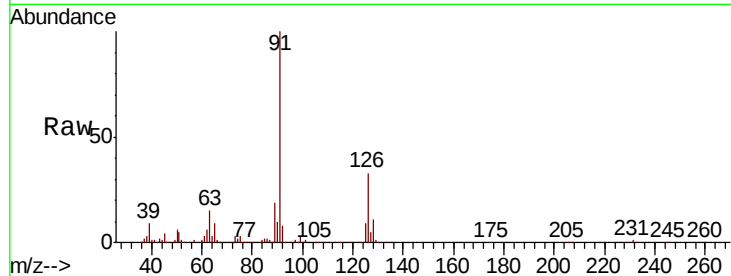
ClientSampleId :

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

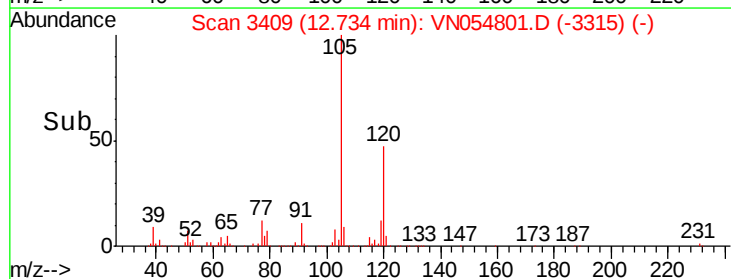
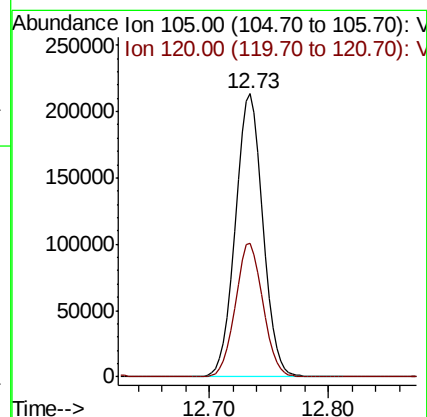
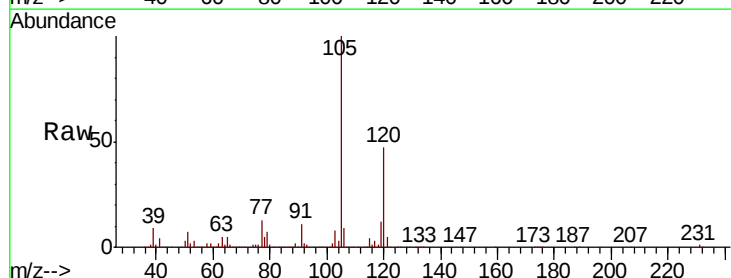
Acq: 30 Mar 2019 14:39

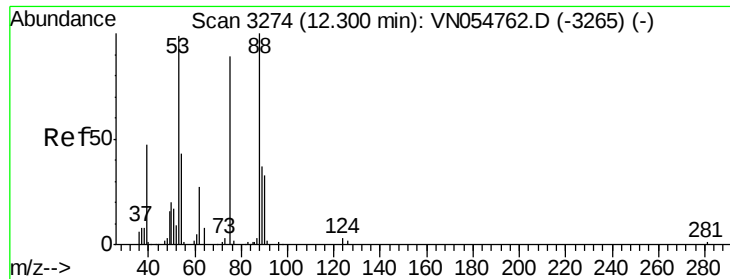
Tgt Ion: 105 Resp: 339880

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

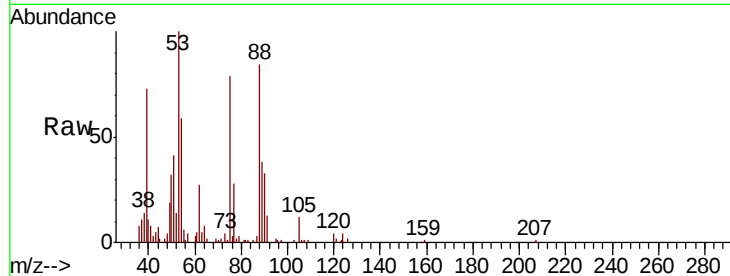
Instrument :

MSVOA_N

ClientSampleId :

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

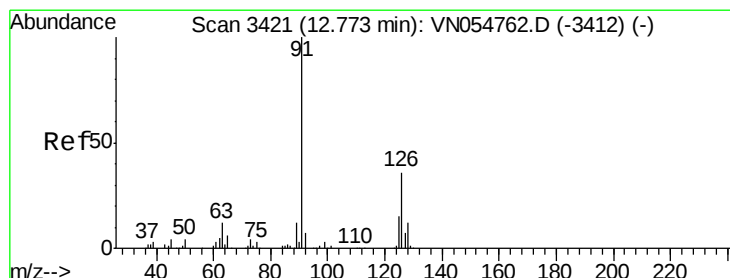
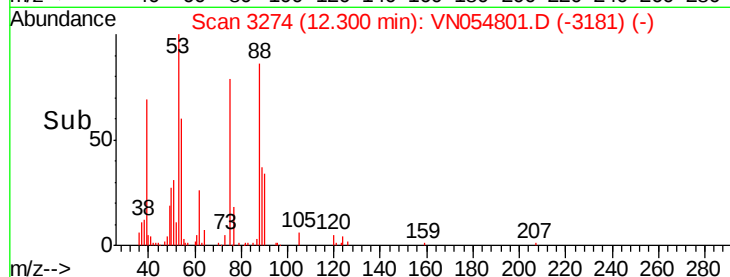
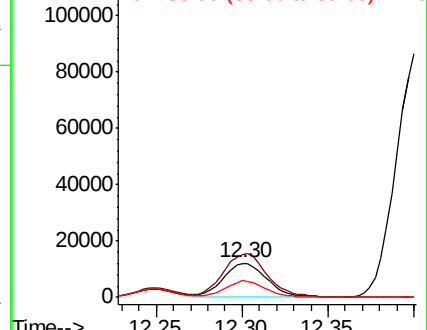


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.199 ug/l

RT: 12.77 min Scan# 3421

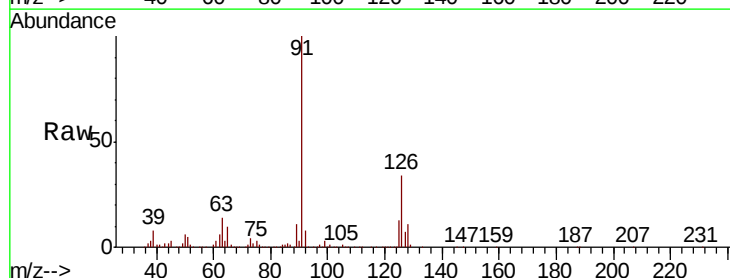
Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Tgt Ion: 91 Resp: 276197

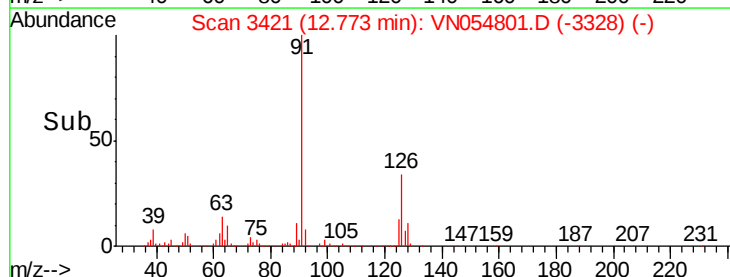
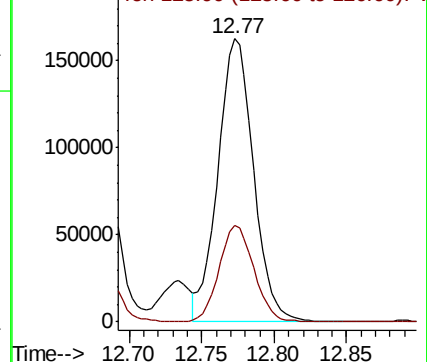
Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1

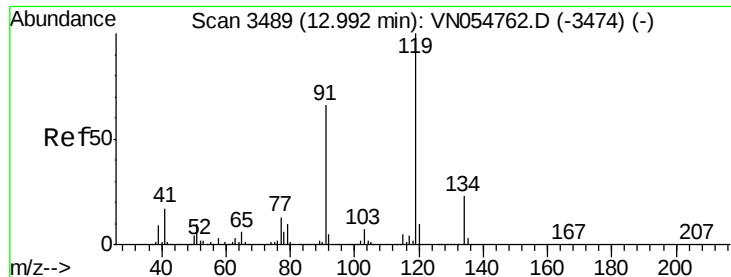


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

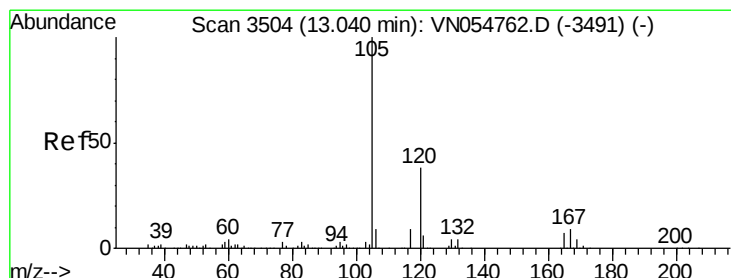
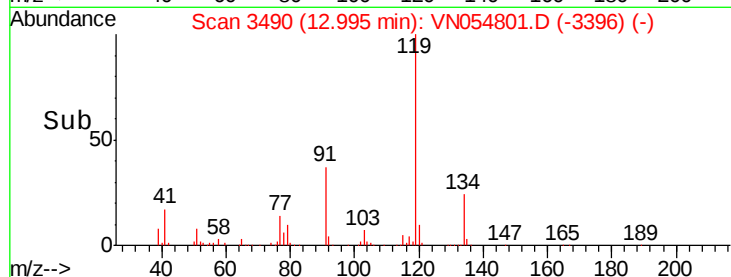
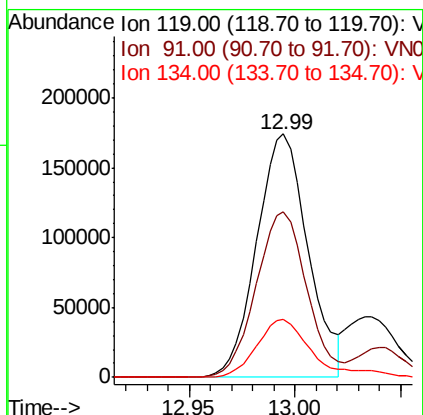
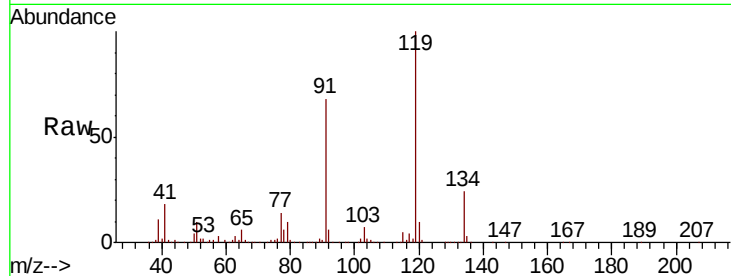




#83
tert-Butylbenzene
Concen: 21.233 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

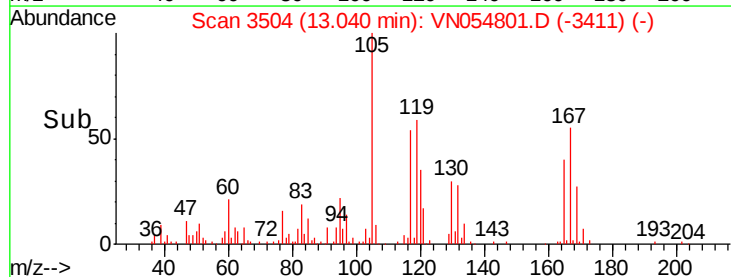
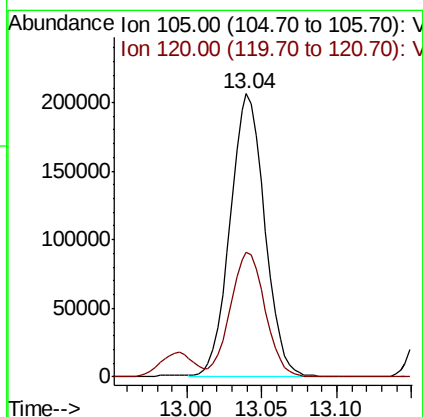
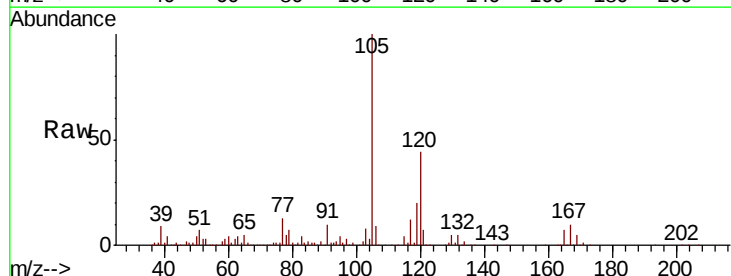
Instrument :
MSVOA_N
ClientSampleId :

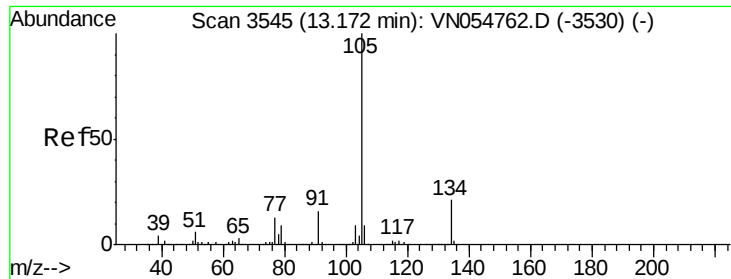
Tot Ion:119 Resp: 295283
Ion Ratio Lower Upper
119 100
91 66.9 30.9 92.8
134 25.9 13.2 39.6



#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

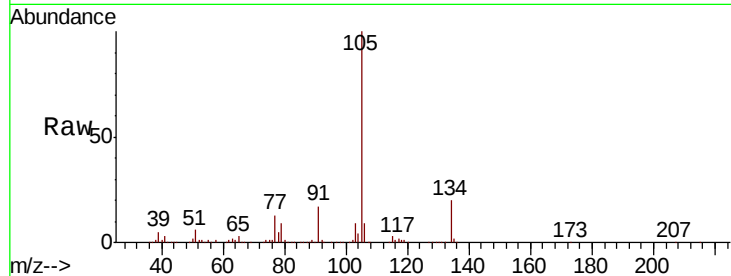
ClientSampled :

Tot Ion:105 Resp: 368643

Ion Ratio Lower Upper

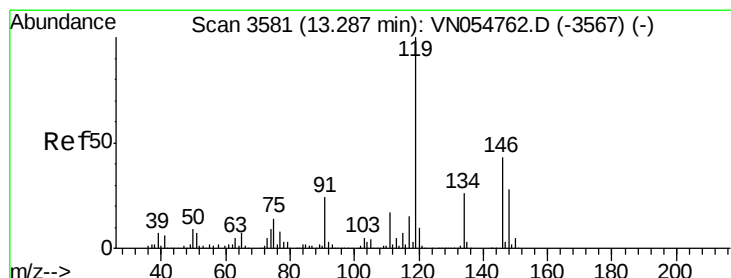
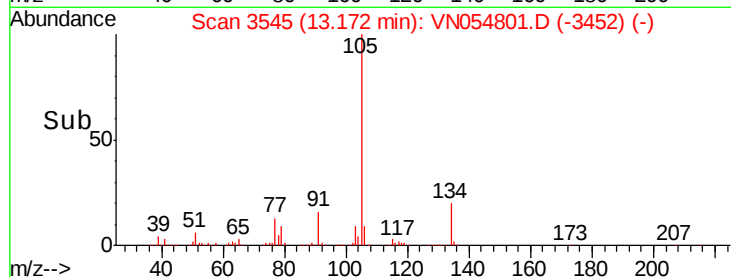
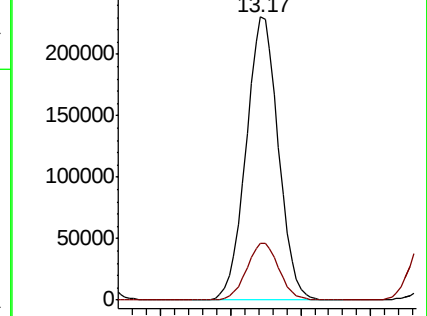
105 100

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

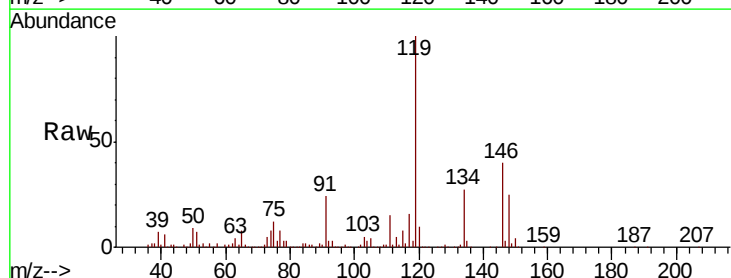
Tgt Ion:119 Resp: 315698

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

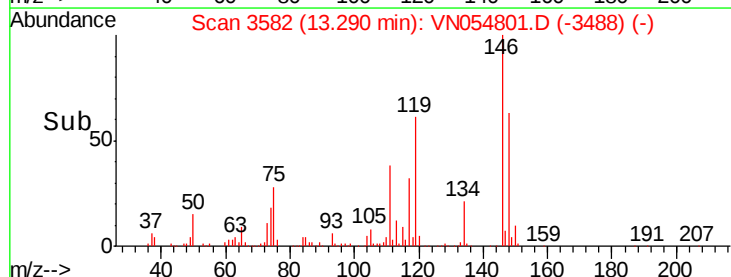
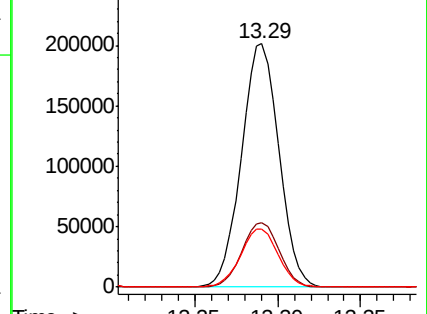
91 23.8 11.1 33.3

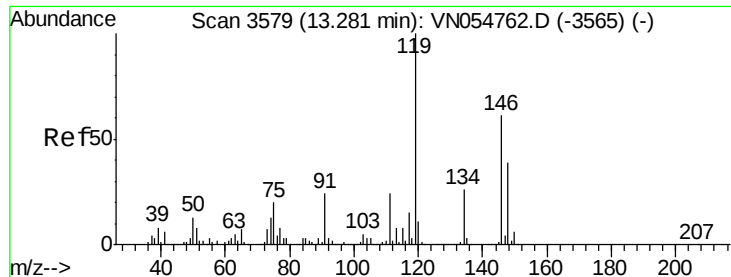


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

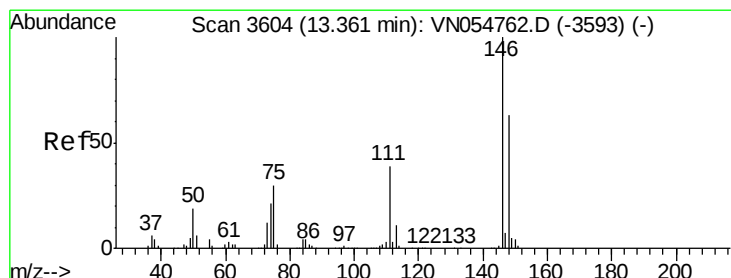
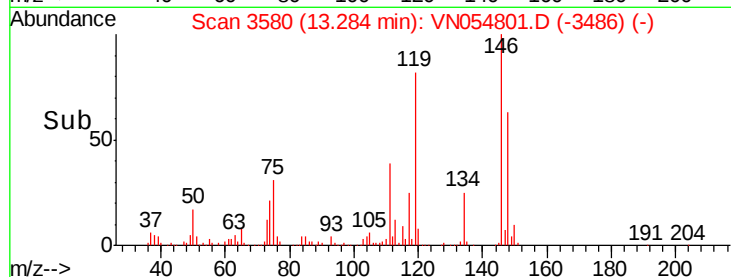
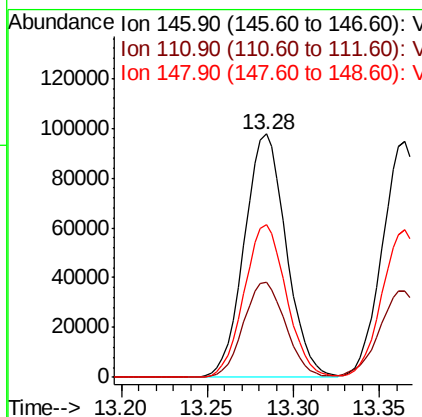
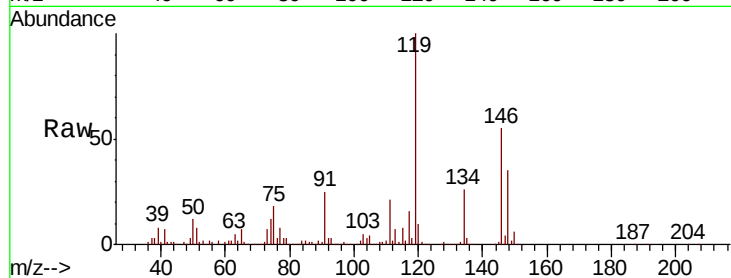




#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

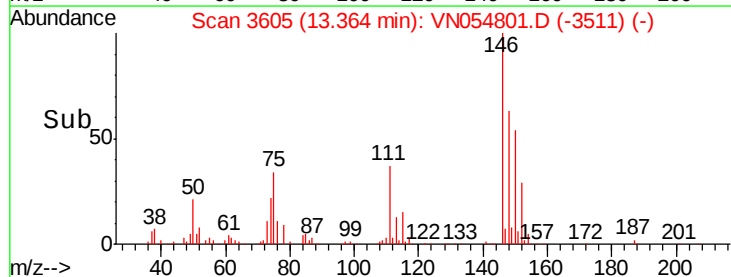
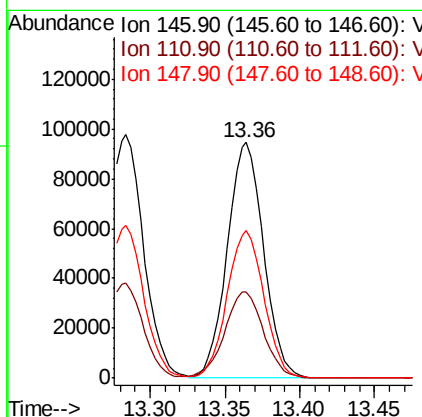
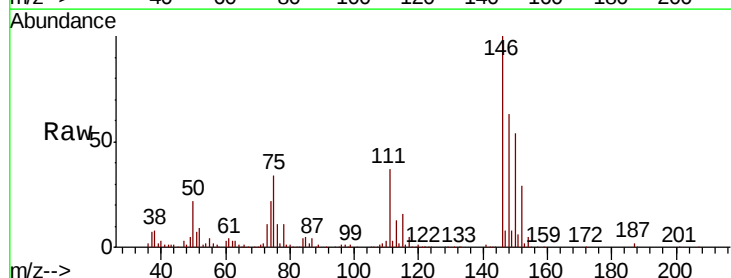
Instrument :
 MSVOA_N
 ClientSampled :

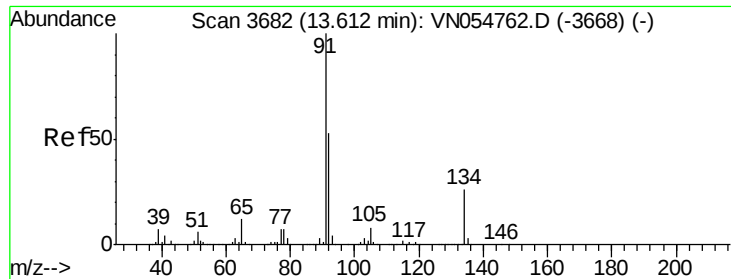
Tot Ion:146 Resp: 165564
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.8 56.3
 148 63.1 32.2 96.6



#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

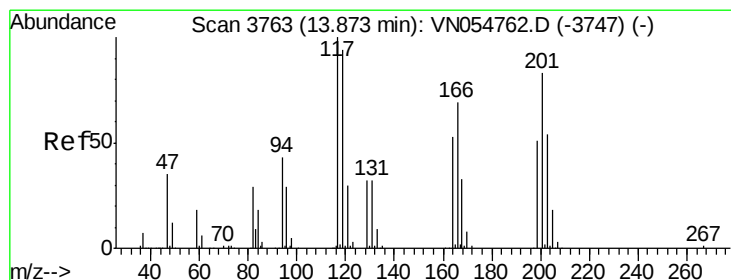
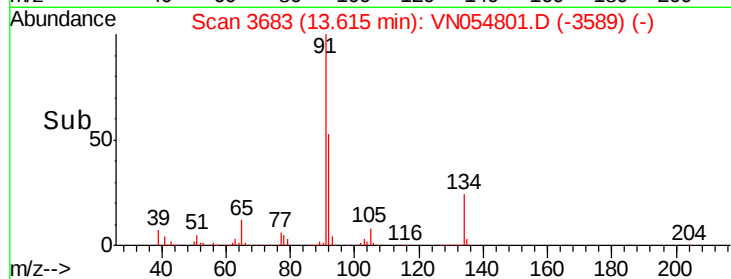
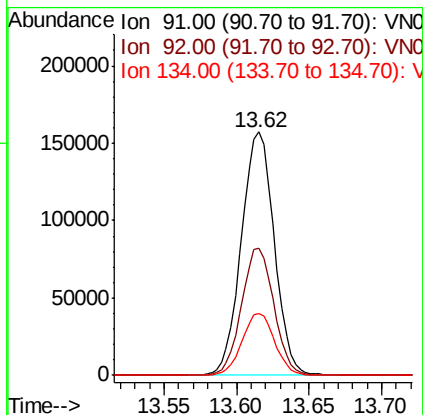
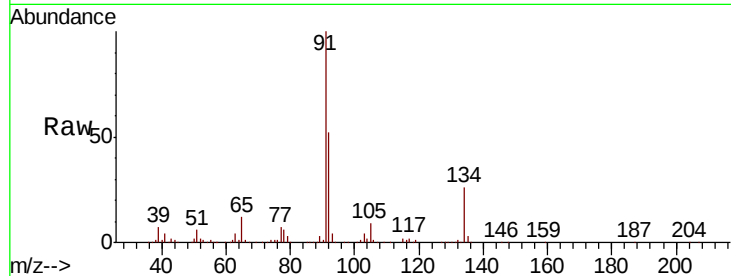




#89
n-Butylbenzene
Concen: 18.681 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054801.D
Acq: 30 Mar 2019 14:39

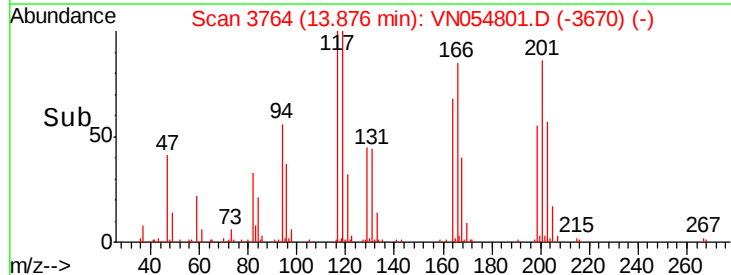
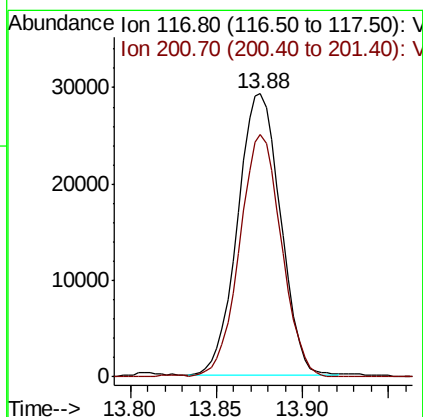
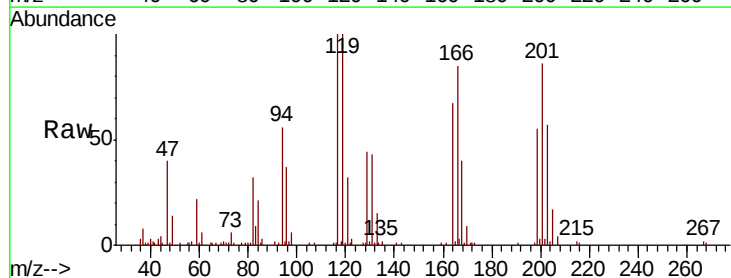
Instrument :
MSVOA_N
ClientSampled :

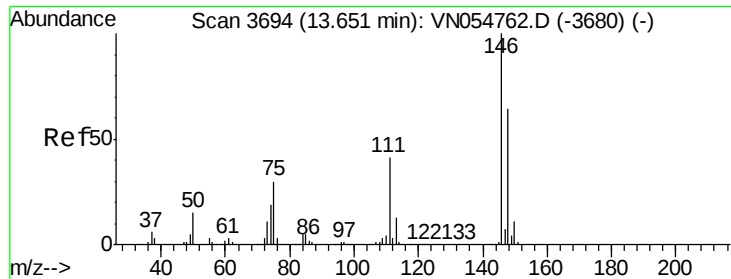
Tot Ion: 91 Resp: 248073
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.6
134 25.5 14.3 42.9



#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 :

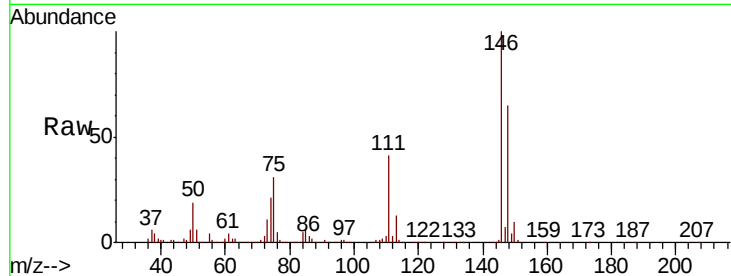
Tot Ion:146 Resp: 168306

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

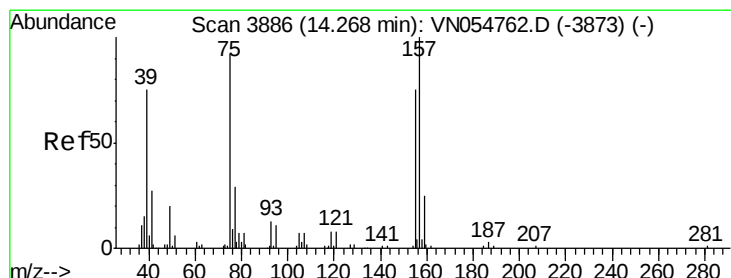
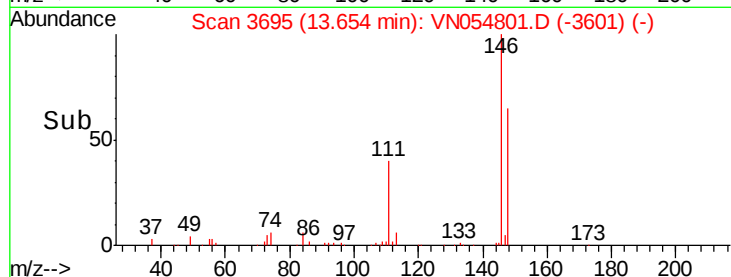
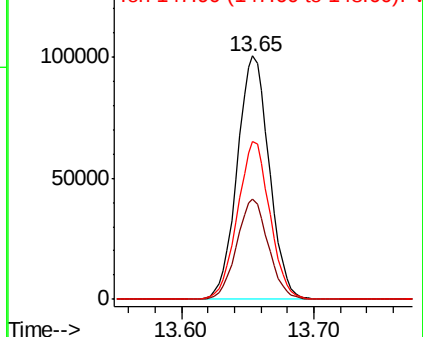
148 65.3 32.4 97.0



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

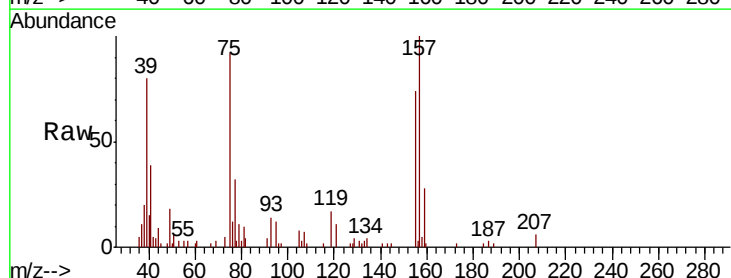
Tgt Ion: 75 Resp: 16954

Ion Ratio Lower Upper

75 100

155 75.8 50.1 150.3

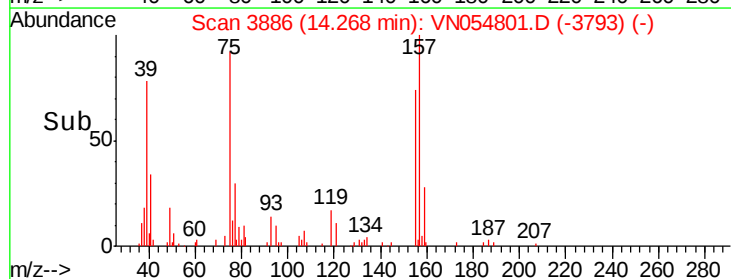
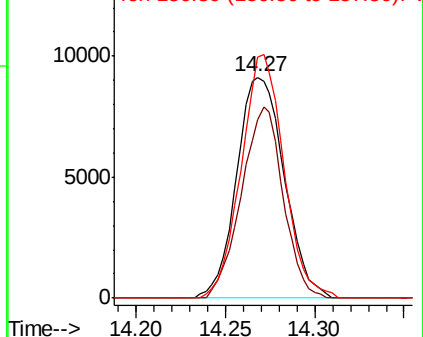
157 99.2 63.1 189.3

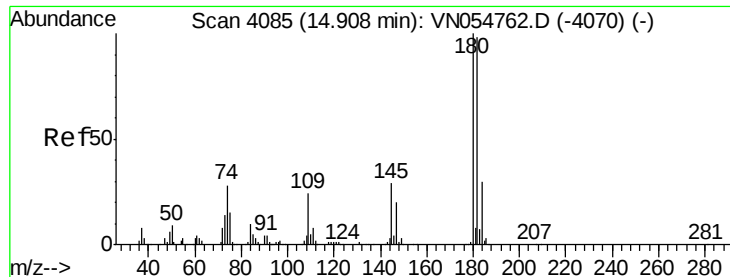


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

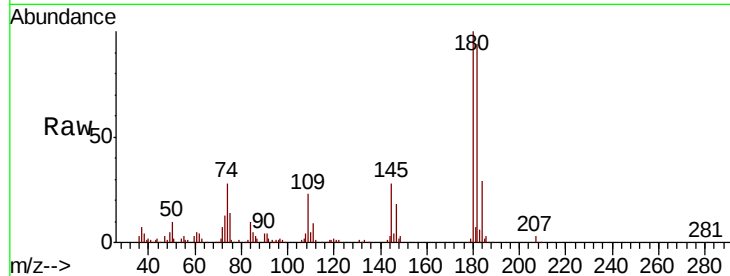




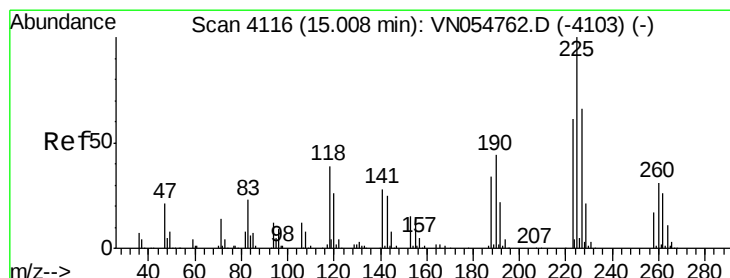
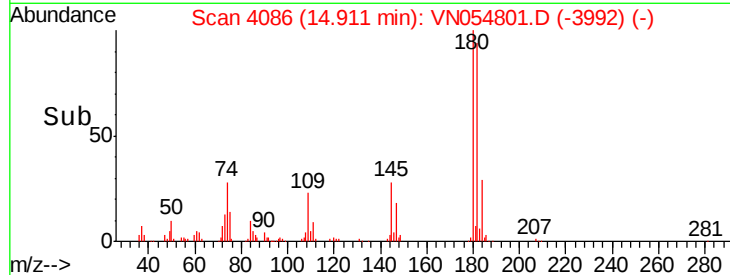
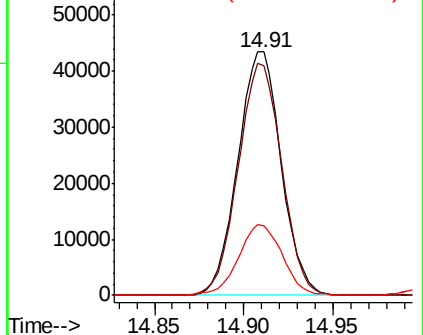
#93
 1,2,4-Trichlorobenzene
 Concen: 18.020 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

Instrument :
 MSVOA_N
 ClientSampled :

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

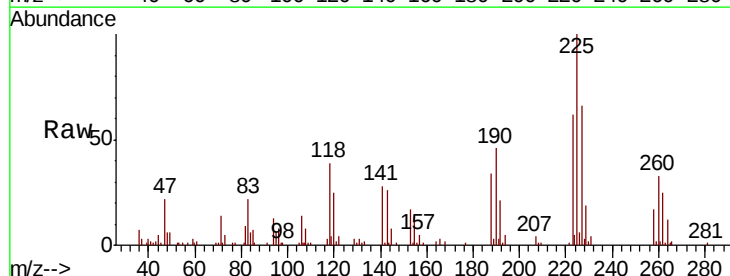


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

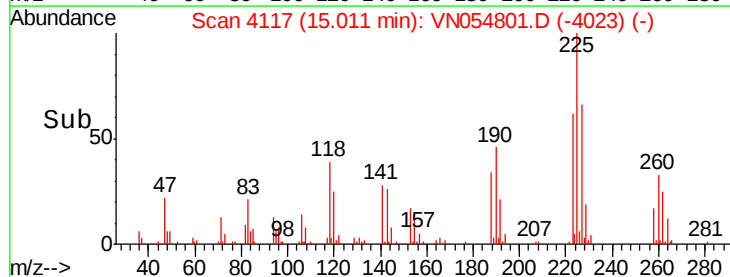
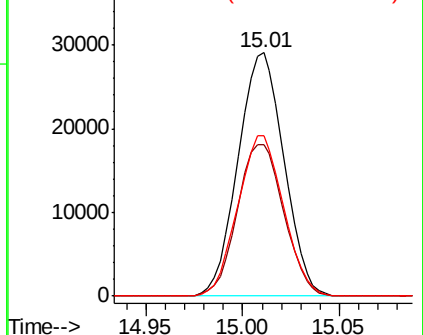


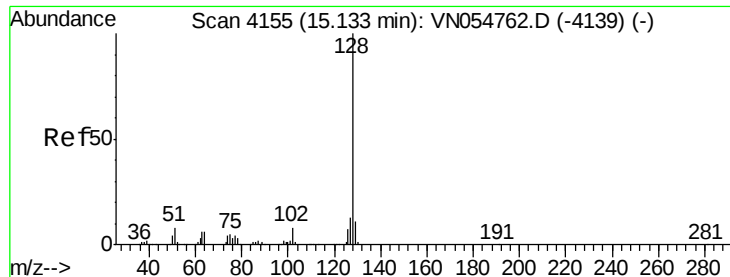
#94
 Hexachlorobutadiene
 Concen: 18.582 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054801.D
 Acq: 30 Mar 2019 14:39

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

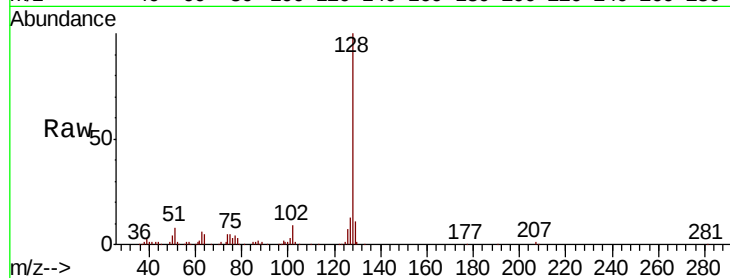
Instrument :

MSVOA_N

ClientSampleId :

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

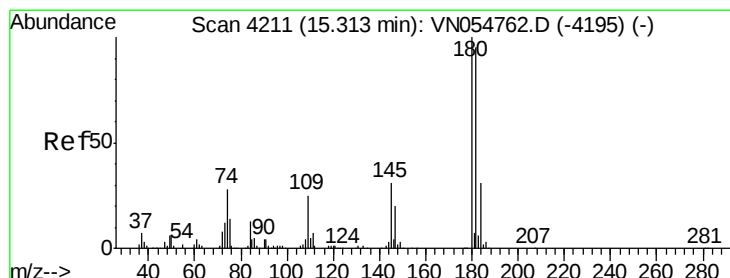
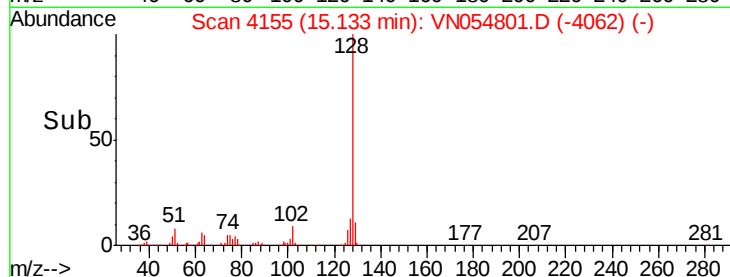
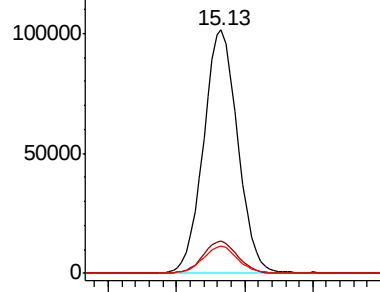


Abundance

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

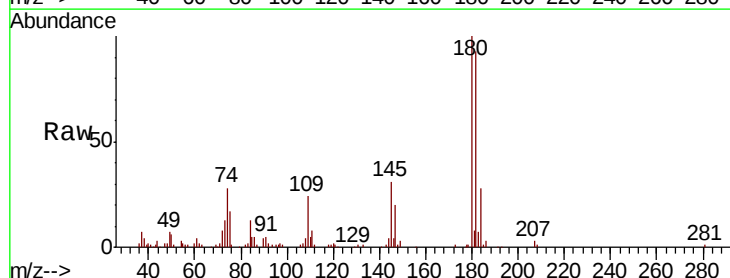
Delta R.T. -0.00 min

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

