

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
 Data File : VN054464.D
 Acq On : 20 Mar 2019 14:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN032019

Quant Time: Mar 29 04:41:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	546211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	860157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	750914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	350453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	338185	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	277693	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1047763	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	359833	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271898	52.07	ug/l	100
3) Chloromethane	2.06	50	345297	48.60	ug/l	98
4) Vinyl Chloride	2.19	62	361798	50.72	ug/l	98
5) Bromomethane	2.57	94	220239	47.75	ug/l	97
6) Chloroethane	2.71	64	207380	48.47	ug/l	98
7) Trichlorofluoromethane	3.02	101	446837	51.58	ug/l	100
8) Diethyl Ether	3.41	74	157372	47.24	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.75	101	258391	50.76	ug/l	96
10) Methyl Iodide	3.94	142	373178	49.83	ug/l	95
11) Tert butyl alcohol	4.81	59	89108	216.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	259724	49.30	ug/l	85
13) Acrolein	3.60	56	138442	243.89	ug/l	100
14) Allyl chloride	4.32	41	483867	48.77	ug/l	# 93
15) Acrylonitrile	4.99	53	471410	230.14	ug/l	99
16) Acetone	3.82	43	425356	208.24	ug/l	89
17) Carbon Disulfide	4.04	76	697256	49.39	ug/l	99
18) Methyl Acetate	4.33	43	205882	45.22	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	732648	47.65	ug/l	97
20) Methylene Chloride	4.55	84	286391	47.56	ug/l	# 85
21) trans-1,2-Dichloroethene	5.03	96	271823	50.53	ug/l	86
22) Diisopropyl ether	5.96	45	979011	50.03	ug/l	# 94
23) Vinyl Acetate	5.90	43	3488841	252.44	ug/l	# 93
24) 1,1-Dichloroethane	5.84	63	521205	49.47	ug/l	98
25) 2-Butanone	6.84	43	609052	232.77	ug/l	91
26) 2,2-Dichloropropane	6.82	77	382669	50.95	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	311178	48.50	ug/l	88
28) Bromochloromethane	7.19	49	258534	49.85	ug/l	# 79
29) Tetrahydrofuran	7.22	42	399447	235.25	ug/l	# 86
30) Chloroform	7.37	83	509903	49.59	ug/l	99
31) Cyclohexane	7.65	56	525308	52.11	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	440167	51.89	ug/l	96
36) 1,1-Dichloropropene	7.79	75	408840	50.83	ug/l	96
37) Ethyl Acetate	6.93	43	265589	46.43	ug/l	96
38) Carbon Tetrachloride	7.77	117	388256	49.68	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	478773	52.04	ug/l	90
40) Benzene	8.04	78	1159018	50.40	ug/l	100
41) Methacrylonitrile	7.17	41	151793	43.51	ug/l	91
42) 1,2-Dichloroethane	8.12	62	408543	48.78	ug/l	97
43) Isopropyl Acetate	8.17	43	470437	48.70	ug/l #	93
44) Trichloroethene	8.83	130	318465	49.81	ug/l	95
45) 1,2-Dichloropropane	9.12	63	314067	50.86	ug/l	98
46) Dibromomethane	9.21	93	183530	49.82	ug/l	91
47) Bromodichloromethane	9.40	83	389787	50.98	ug/l	97
48) Methyl methacrylate	9.20	41	249254	47.54	ug/l #	87
49) 1,4-Dioxane	9.20	88	54115	923.19	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	1273270	237.82	ug/l	94
52) Toluene	10.16	92	709315	50.15	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	377288	46.92	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	460439	52.52	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	249025	48.98	ug/l	98
56) Ethyl methacrylate	10.43	69	334449	49.01	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	439883	49.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	694312	247.07	ug/l	91
59) 2-Hexanone	10.75	43	811893	232.16	ug/l	92
60) Dibromochloromethane	10.90	129	286199	52.90	ug/l	99
61) 1,2-Dibromoethane	11.00	107	248515	49.44	ug/l	99
64) Tetrachloroethene	10.63	164	309538	49.70	ug/l	97
65) Chlorobenzene	11.43	112	763947	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	284213	51.85	ug/l	99
67) Ethyl Benzene	11.51	91	1359799	50.40	ug/l	98
68) m/p-Xylenes	11.62	106	1039439	101.72	ug/l	98
69) o-Xylene	11.95	106	496360	49.74	ug/l	97
70) Styrene	11.96	104	835138	51.53	ug/l	98
71) Bromoform	12.13	173	171651	45.62	ug/l #	99
73) Isopropylbenzene	12.25	105	1329044	47.06	ug/l	99
74) N-amyl acetate	12.07	43	386964	47.66	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	298057	46.24	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	357698	64.32	ug/l #	100
77) Bromobenzene	12.53	156	331996	47.40	ug/l	91
78) n-propylbenzene	12.59	91	1496942	48.88	ug/l	98
79) 2-Chlorotoluene	12.67	91	886990	46.45	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1123789	48.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	67385	42.29	ug/l #	83
82) 4-Chlorotoluene	12.77	91	896677	48.44	ug/l	97
83) tert-Butylbenzene	12.99	119	973311	48.31	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1116324	49.15	ug/l	97
85) sec-Butylbenzene	13.17	105	1230854	49.01	ug/l	97
86) p-Isopropyltoluene	13.29	119	1116877	49.71	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	571653	49.25	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	552330	48.91	ug/l	98
89) n-Butylbenzene	13.61	91	923084	52.54	ug/l	98
90) Hexachloroethane	13.87	117	177364	50.85	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	546112	48.58	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44705	47.28	ug/l	85

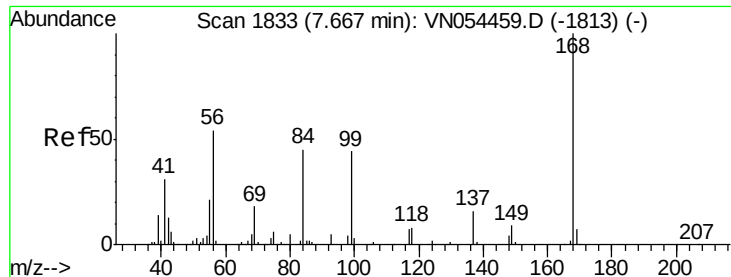
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293160	52.31	ug/l	99
94) Hexachlorobutadiene	15.01	225	172953	55.18	ug/l	99
95) Naphthalene	15.13	128	601875	48.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	280809	50.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

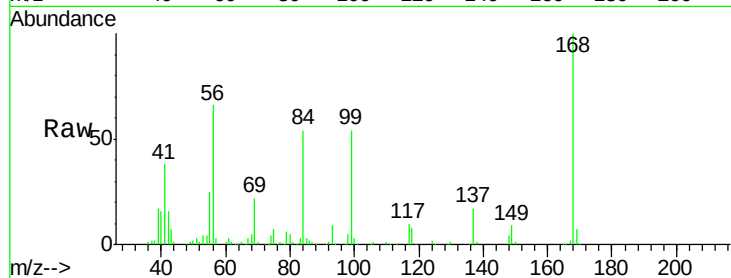
ICVVN032019

Tot Ion:168 Resp: 546211

Ion Ratio Lower Upper

168 100

99 53.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

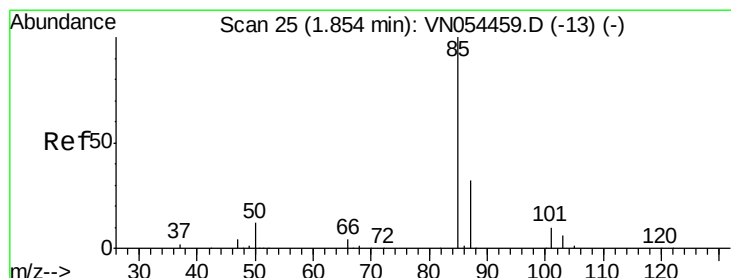
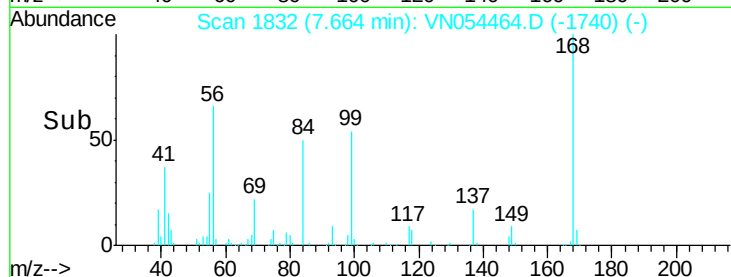
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.07 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054464.D

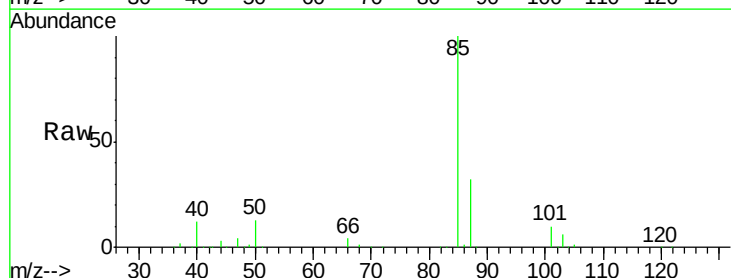
Acq: 20 Mar 2019 14:55

Tgt Ion: 85 Resp: 271898

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

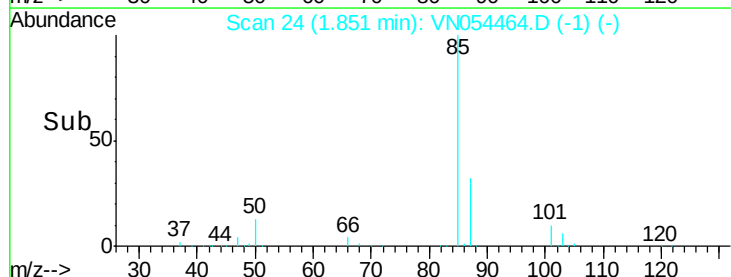
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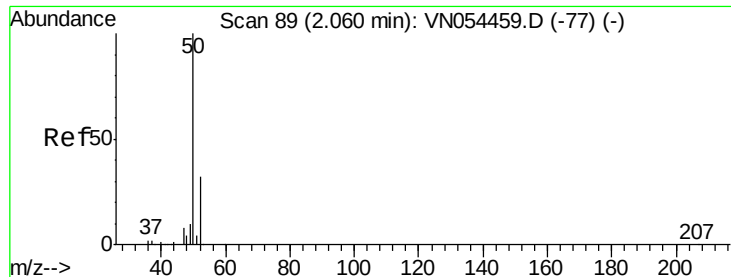
100000

50000

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Time-->





#3

Chloromethane

Concen: 48.60 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

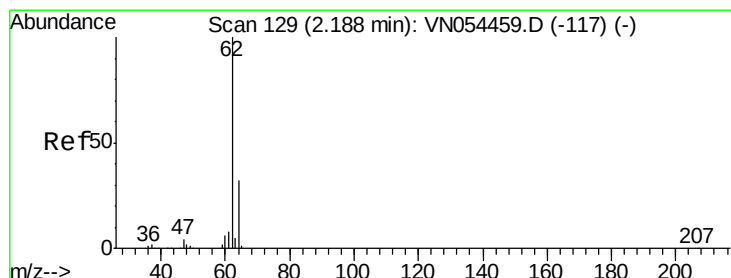
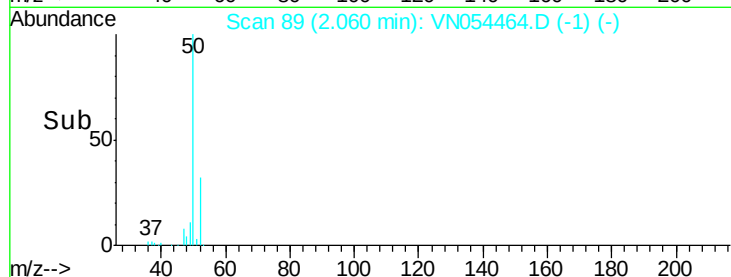
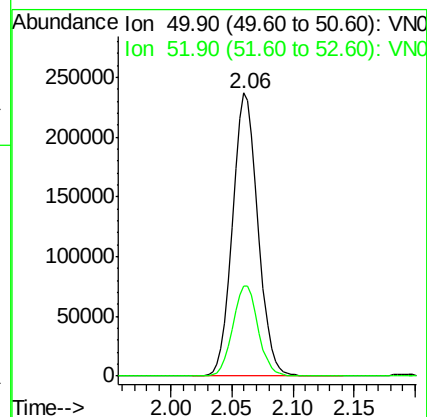
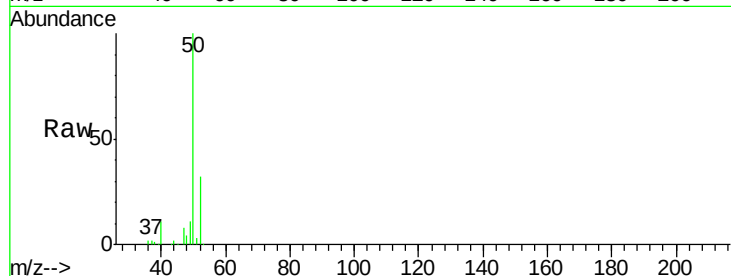
ICVFN032019

Tot Ion: 50 Resp: 345297

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 50.72 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054464.D

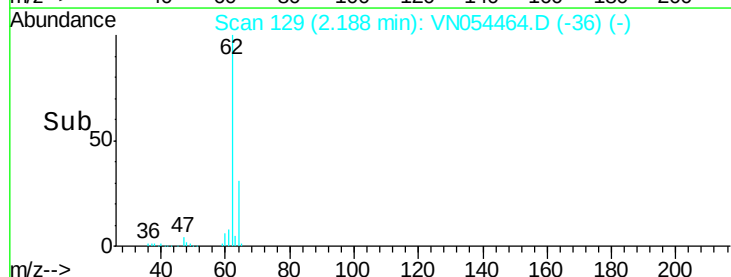
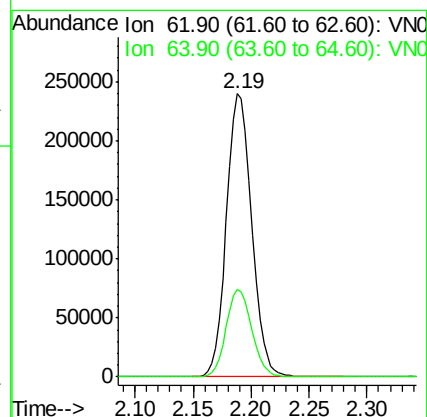
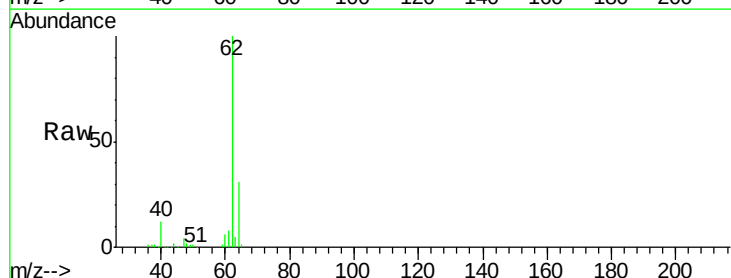
Acq: 20 Mar 2019 14:55

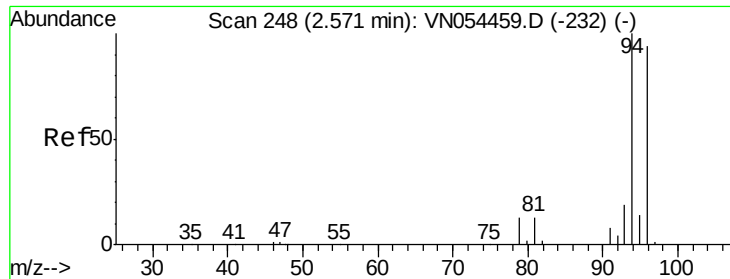
Tgt Ion: 62 Resp: 361798

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 47.75 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

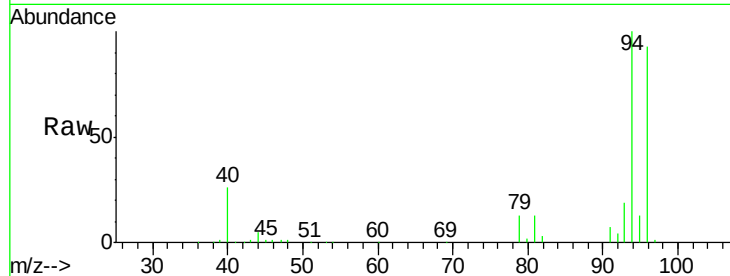
ICVVN032019

Tot Ion: 94 Resp: 220239

Ion Ratio Lower Upper

94 100

96 93.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

60000

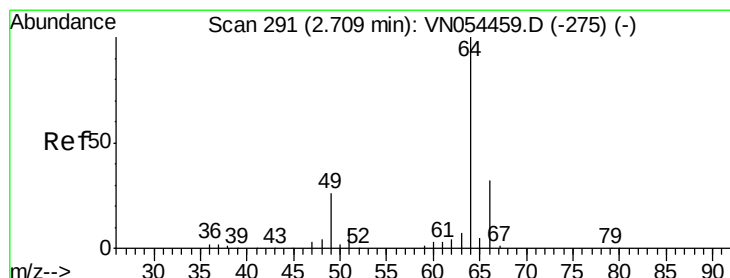
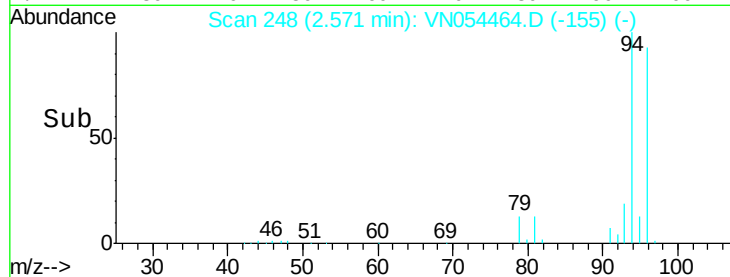
40000

20000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 48.47 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054464.D

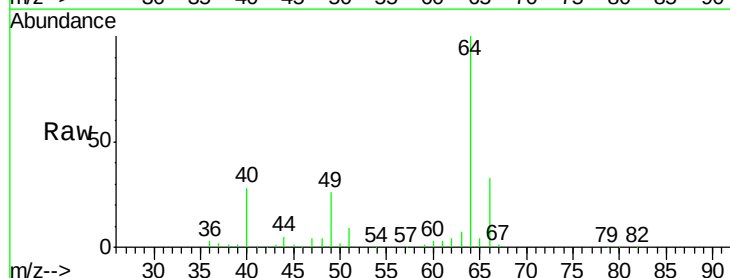
Acq: 20 Mar 2019 14:55

Tgt Ion: 64 Resp: 207380

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

60000

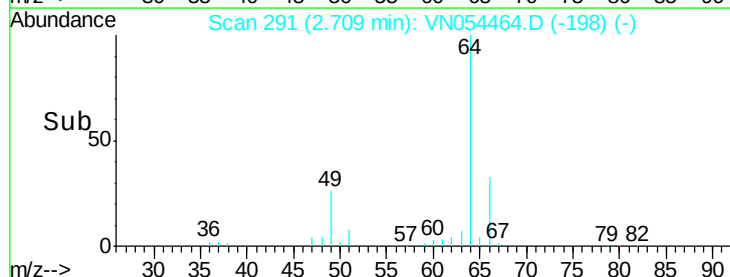
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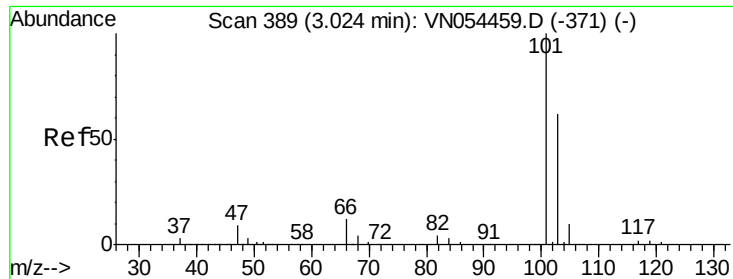
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Time-->

2.60 2.65 2.70 2.75 2.80



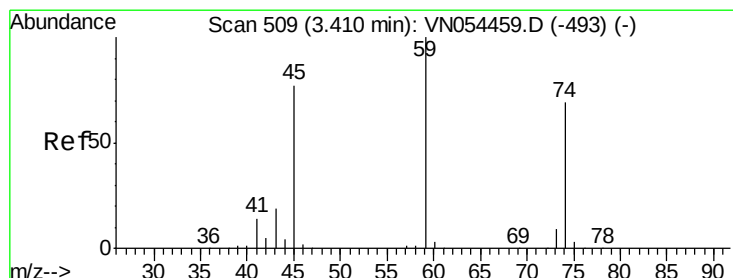
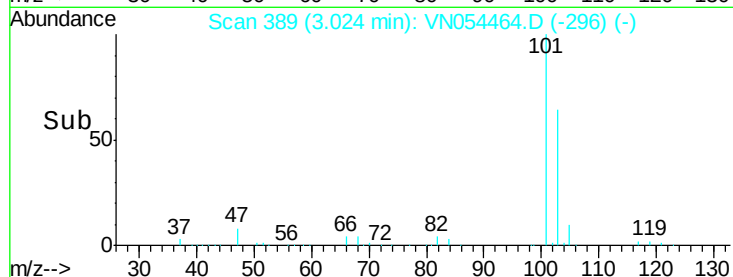
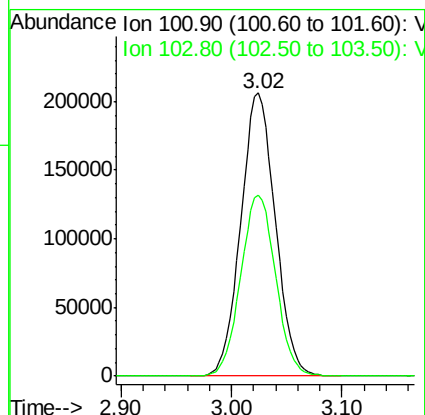
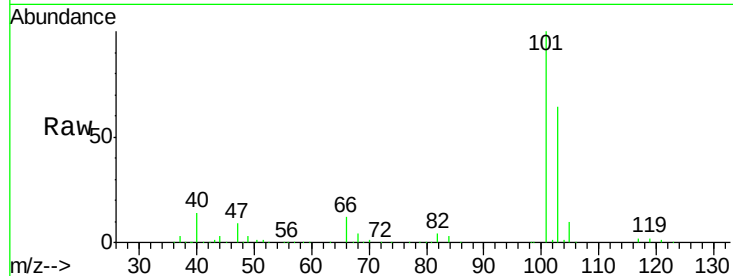


#7

Trichlorofluoromethane
 Concen: 51.58 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054464.D
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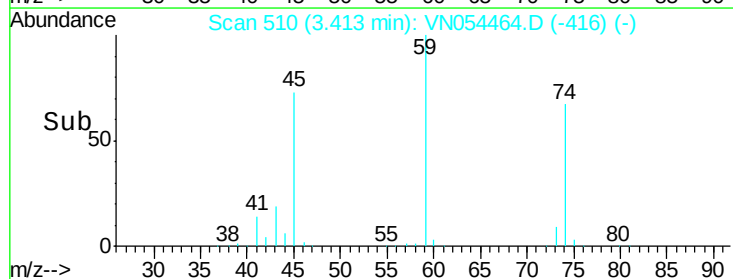
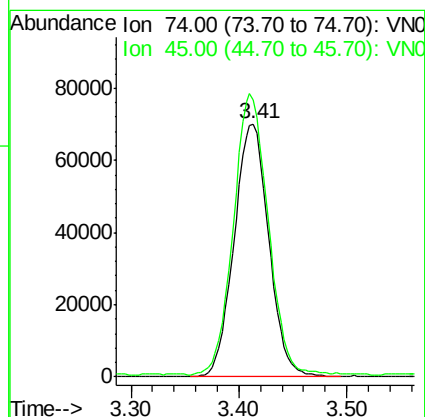
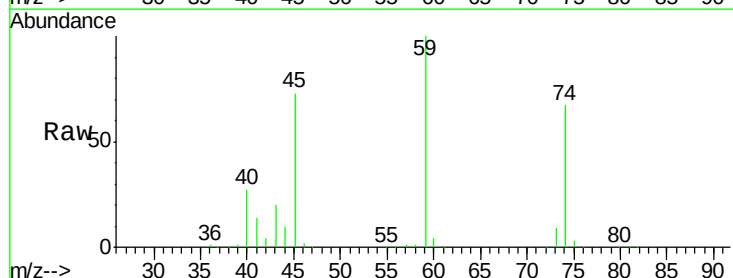
Tot Ion:101 Resp: 446837
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2

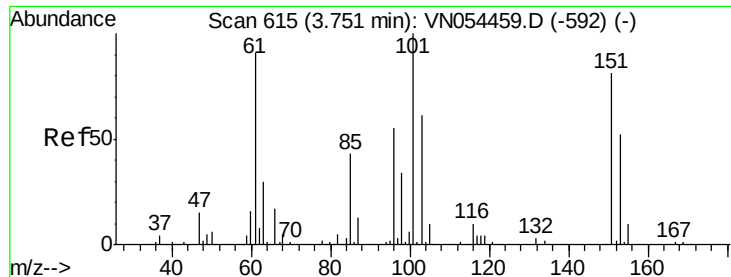


#8

Diethyl Ether
 Concen: 47.24 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion: 74 Resp: 157372
 Ion Ratio Lower Upper
 74 100
 45 110.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.76 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

ICVVN032019

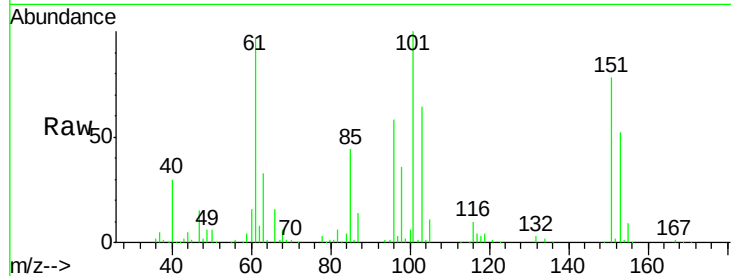
Tot Ion:101 Resp: 258391

Ion Ratio Lower Upper

101 100

85 43.4 32.4 48.6

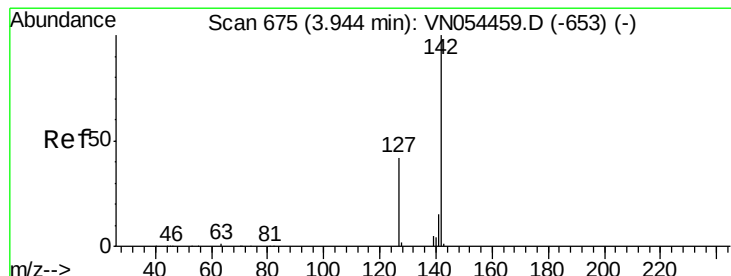
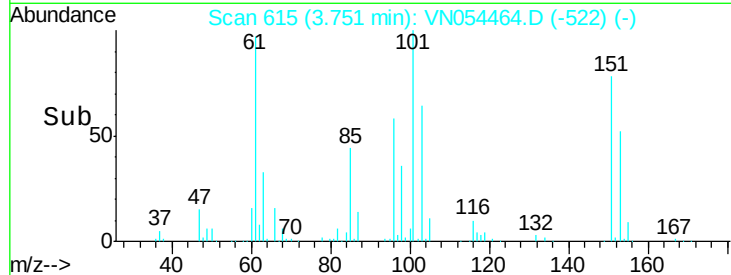
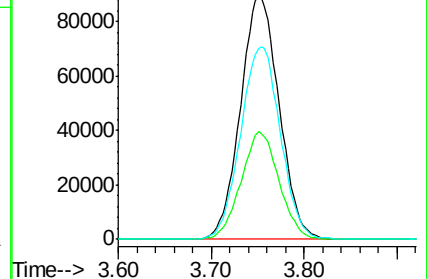
151 81.5 68.2 102.2



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: 49.83 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

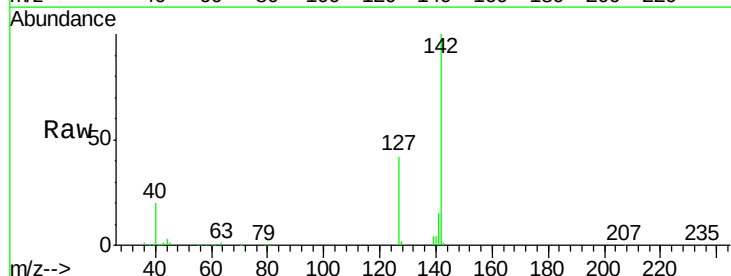
Tgt Ion:142 Resp: 373178

Ion Ratio Lower Upper

142 100

127 42.1 30.3 45.5

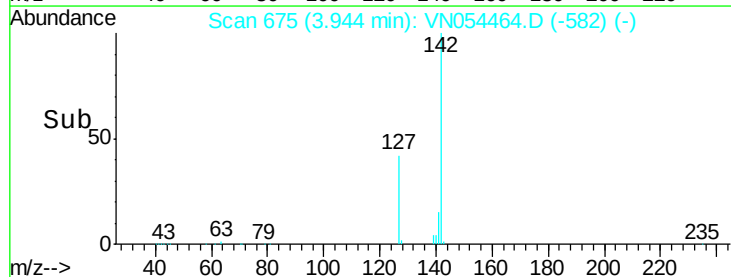
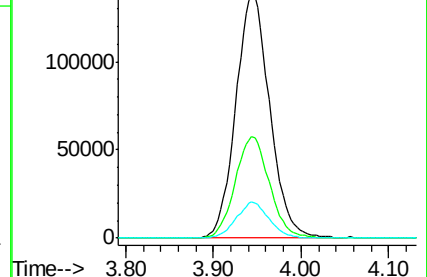
141 14.3 11.2 16.8

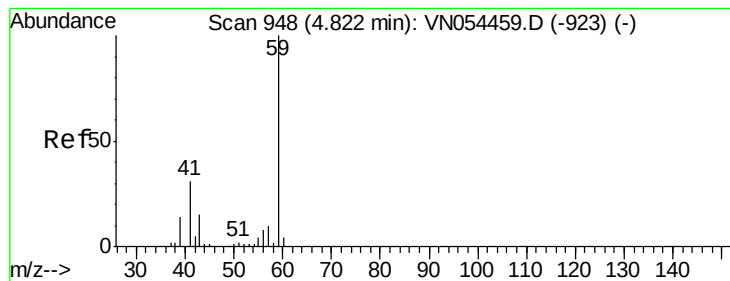


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



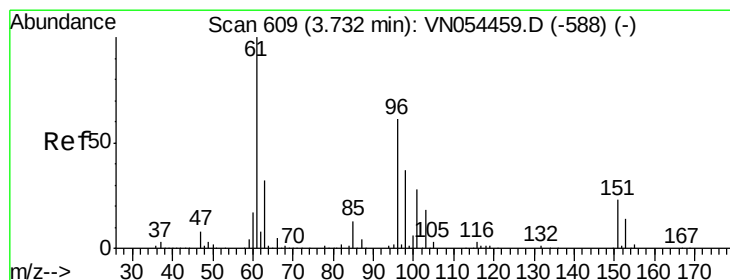
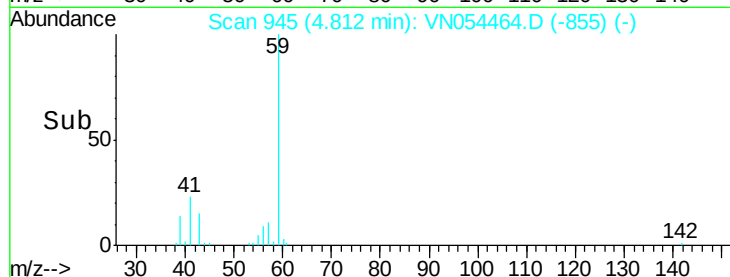
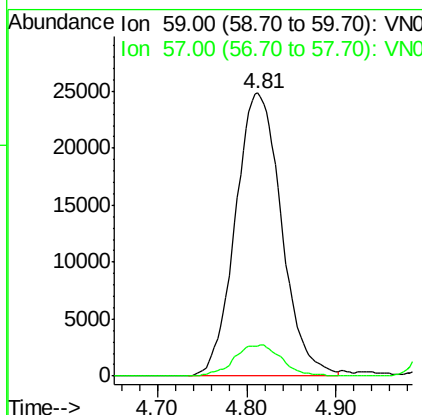
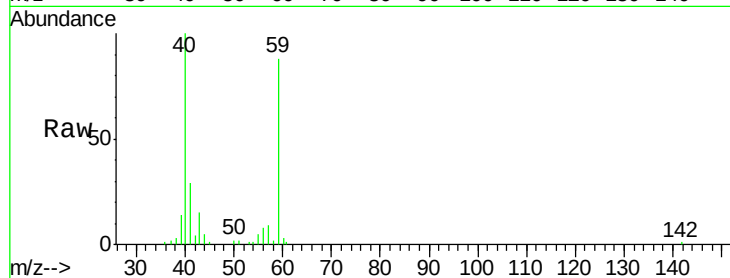


#11

Tert butyl alcohol
 Concen: 216.64 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

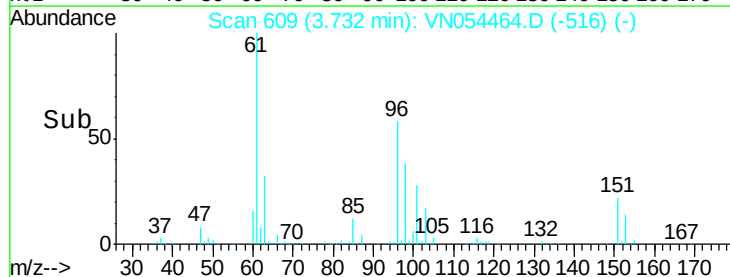
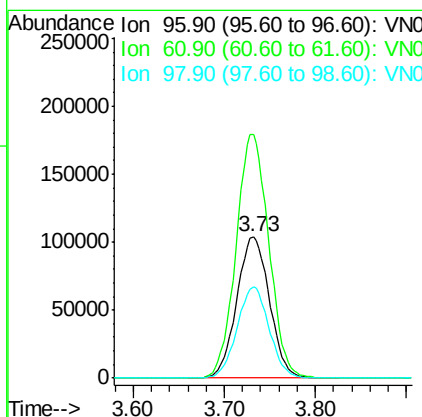
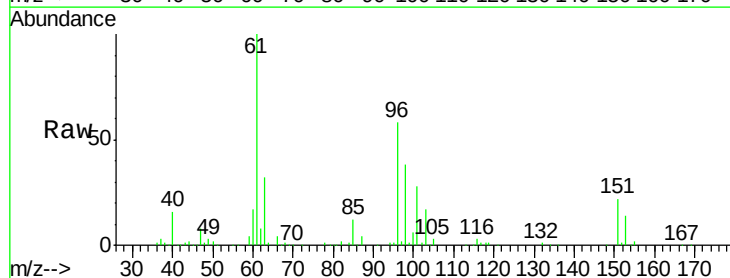
Tot Ion: 59 Resp: 89108
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.6

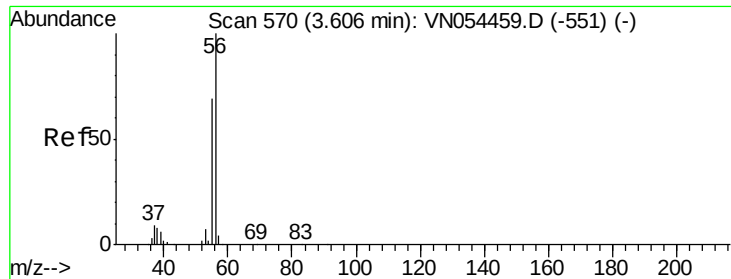


#12

1,1-Dichloroethene
 Concen: 49.30 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion: 96 Resp: 259724
 Ion Ratio Lower Upper
 96 100
 61 172.1 116.5 174.7
 98 64.6 51.0 76.4





#13

Acrolein

Concen: 243.89 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

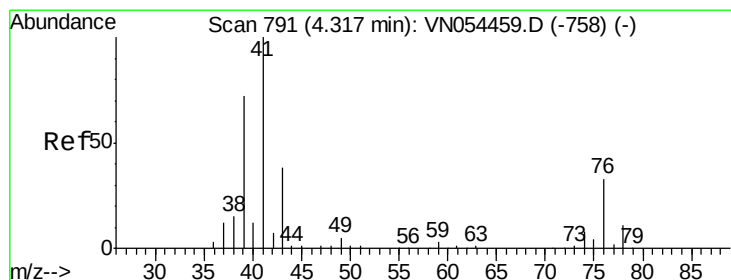
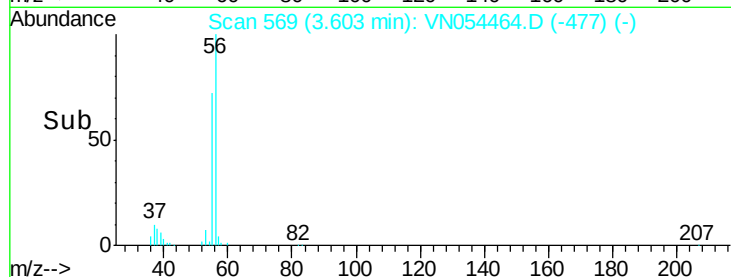
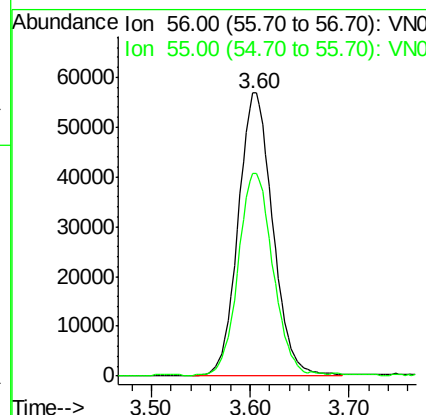
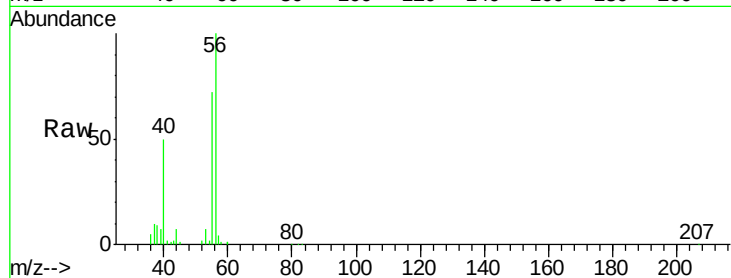
ICVVN032019

Tot Ion: 56 Resp: 138442

Ion Ratio Lower Upper

56 100

55 71.2 56.7 85.1



#14

Allyl chloride

Concen: 48.77 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

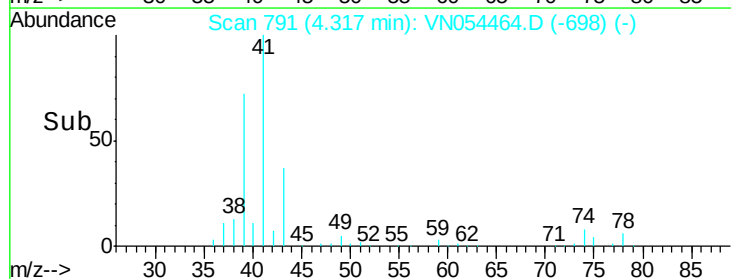
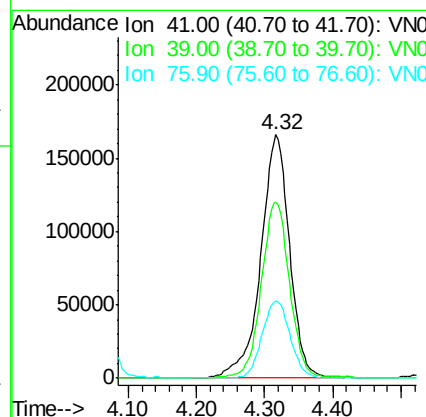
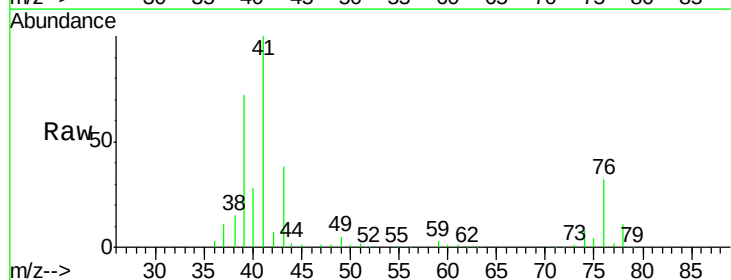
Tgt Ion: 41 Resp: 483867

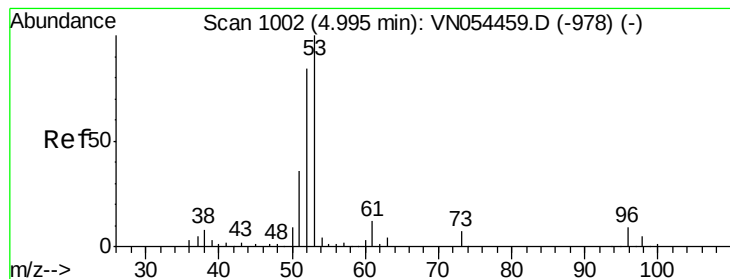
Ion Ratio Lower Upper

41 100

39 70.6 58.2 87.4

76 31.0 31.7 47.5#





#15

Acrylonitrile

Concen: 230.14 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

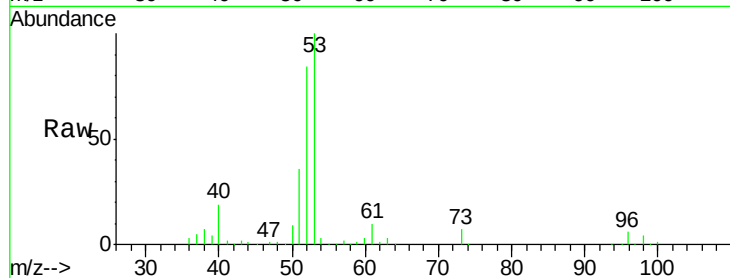
Tot Ion: 53 Resp: 471410

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

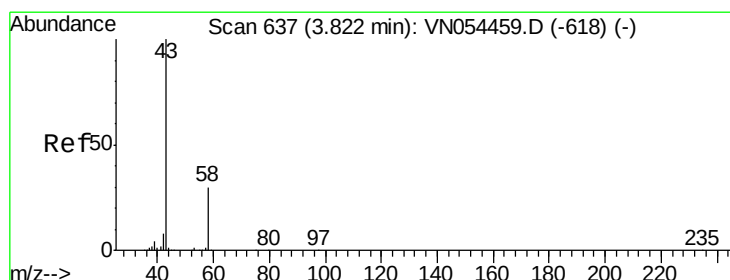
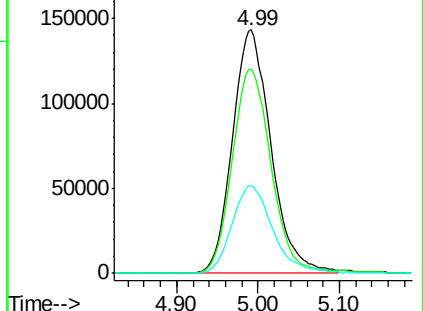
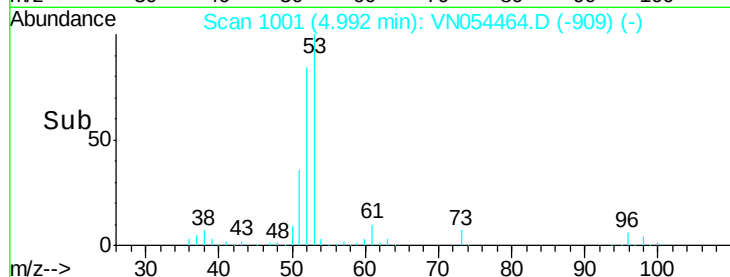
51 38.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 208.24 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054464.D

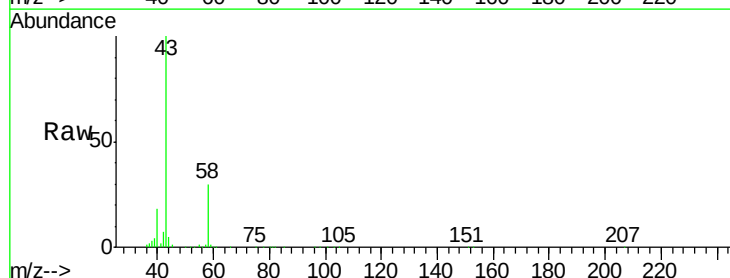
Acq: 20 Mar 2019 14:55

Tgt Ion: 43 Resp: 425356

Ion Ratio Lower Upper

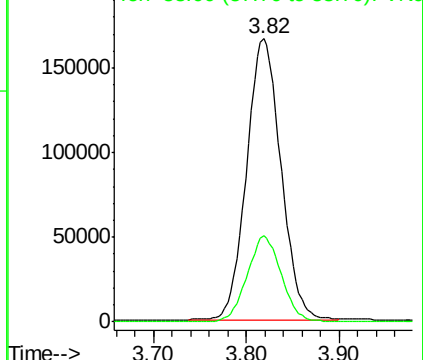
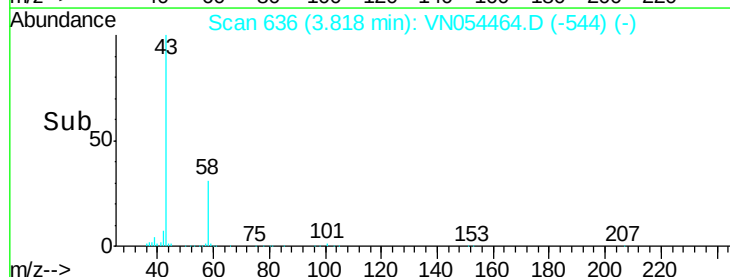
43 100

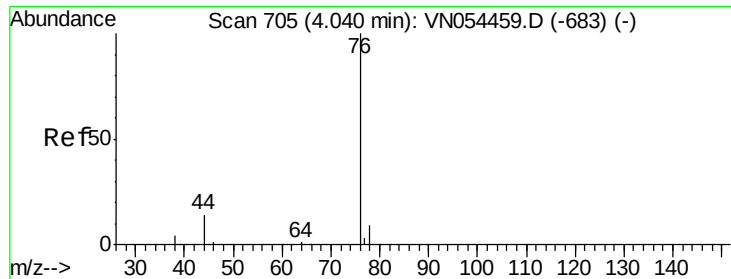
58 30.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.39 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

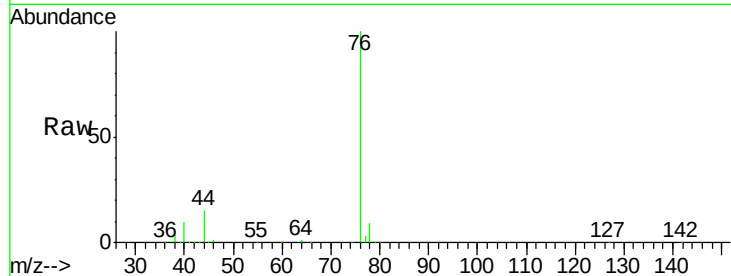
ICVFN032019

Tot Ion: 76 Resp: 697256

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

300000

250000

200000

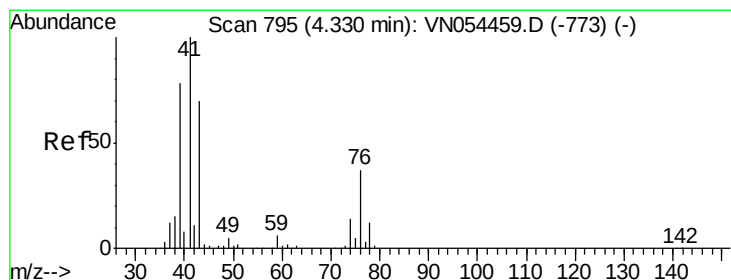
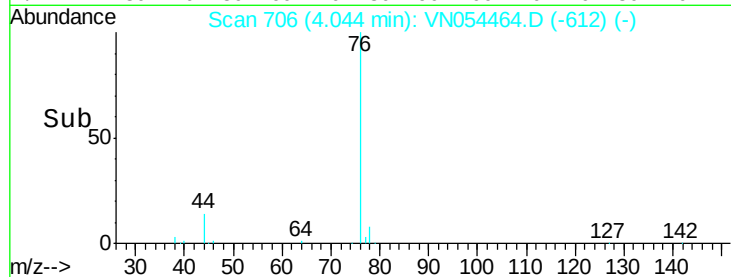
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 45.22 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054464.D

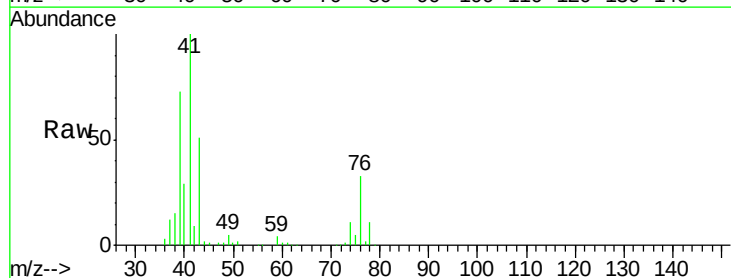
Acq: 20 Mar 2019 14:55

Tgt Ion: 43 Resp: 205882

Ion Ratio Lower Upper

43 100

74 20.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

80000

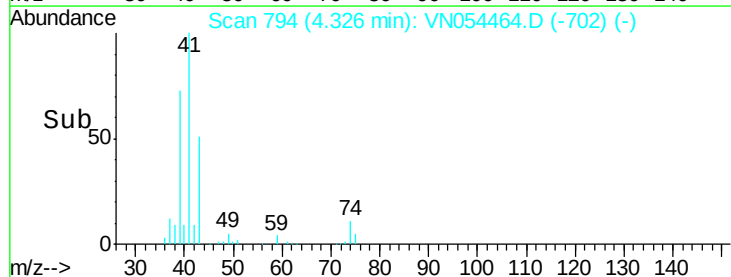
60000

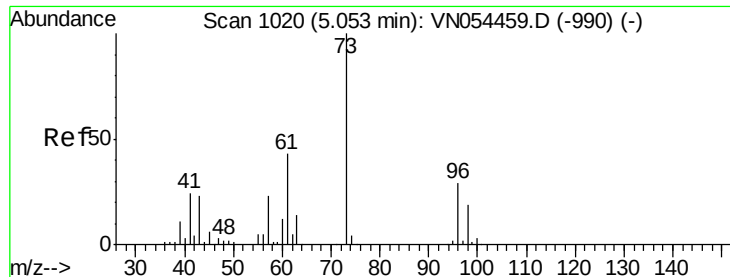
40000

20000

0

Time--> 4.20 4.30 4.40

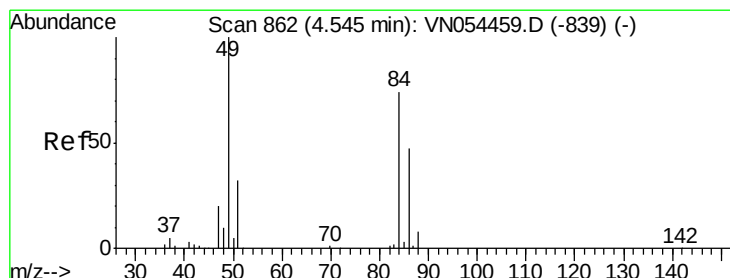
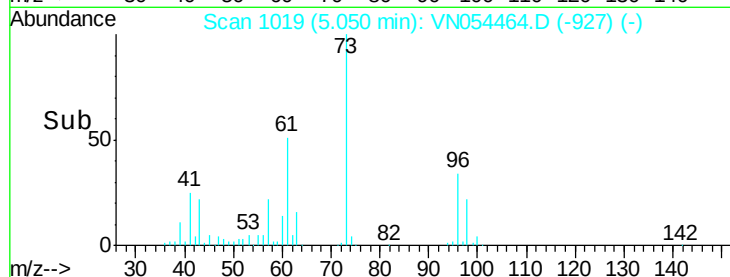
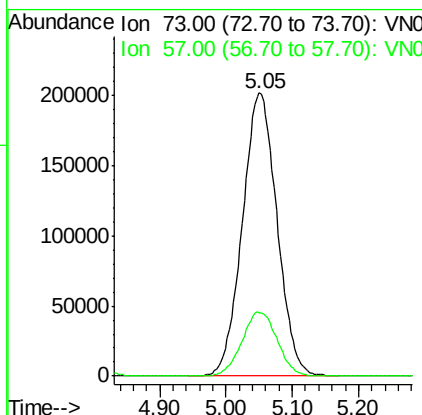
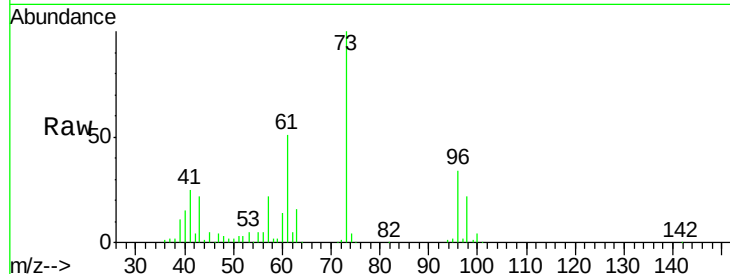




#19
Methvl tert-butvl Ether
Concen: 47.65 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

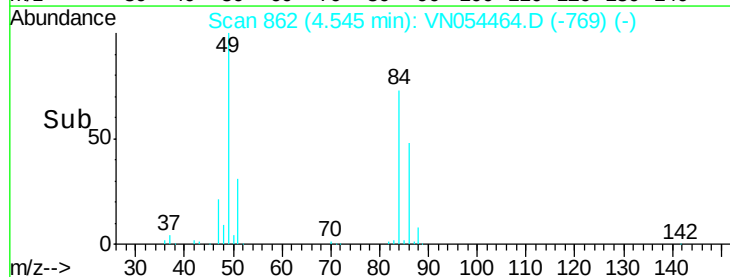
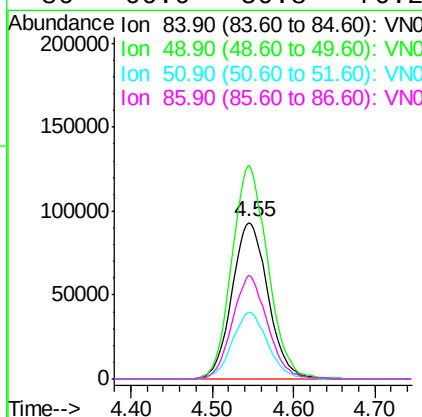
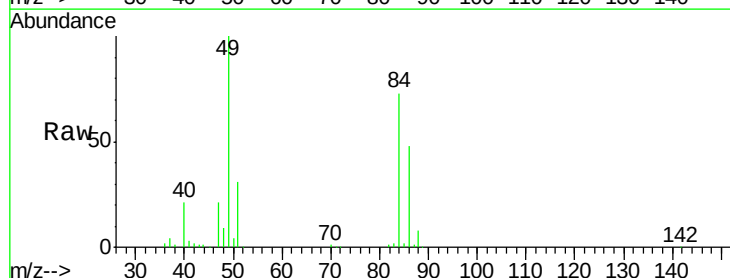
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032019

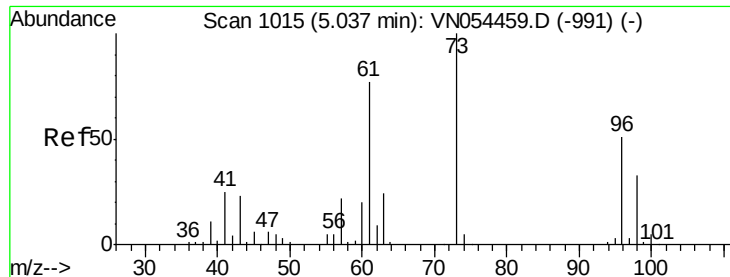
Tot Ion: 73 Resp: 732648
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2



#20
Methylene Chloride
Concen: 47.56 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 84 Resp: 286391
Ion Ratio Lower Upper
84 100
49 136.5 89.7 134.5#
51 42.9 28.2 42.4#
86 66.0 50.8 76.2

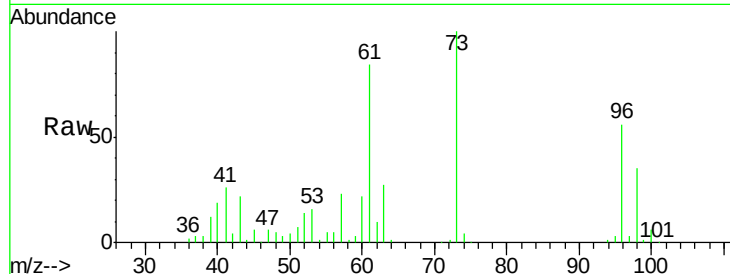




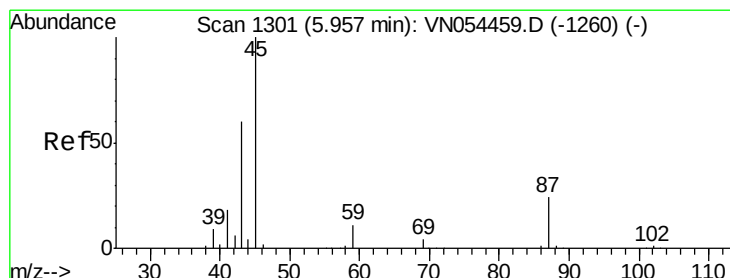
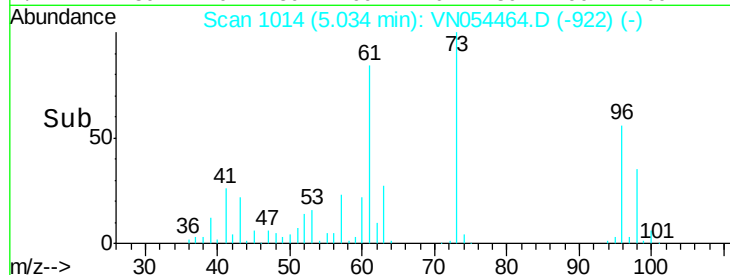
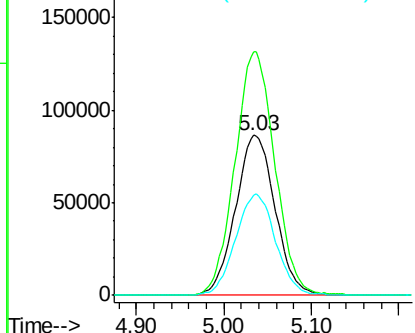
#21
trans-1,2-Dichloroethene
Concen: 50.53 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
ICVFN032019

Tot Ion: 96 Resp: 271823
Ion Ratio Lower Upper
96 100
61 151.9 102.8 154.2
98 62.9 50.0 75.0

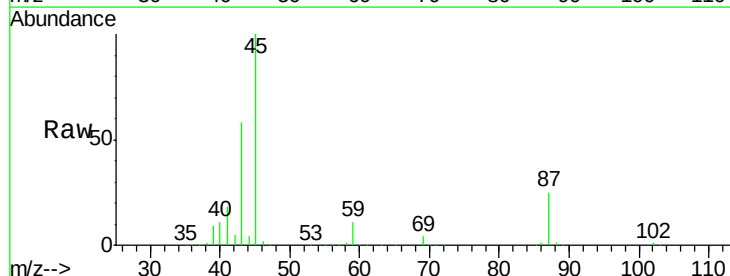


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

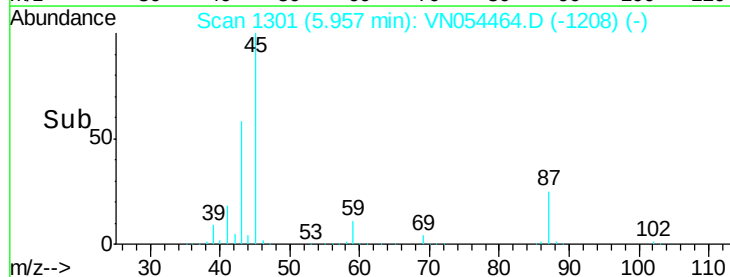
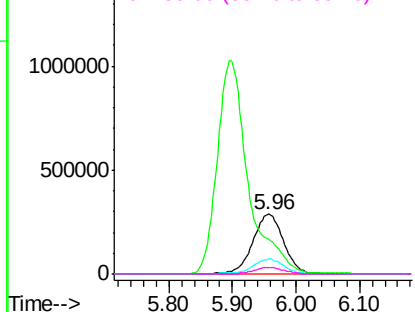


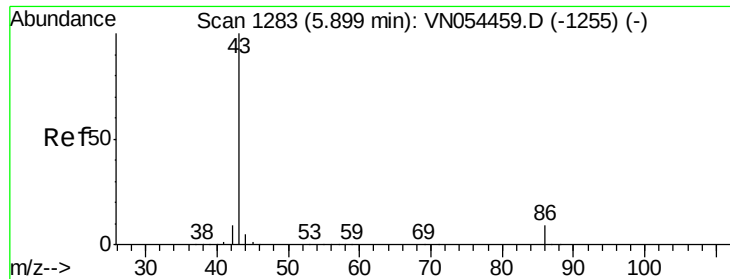
#22
Diisopropyl ether
Concen: 50.03 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 45 Resp: 979011
Ion Ratio Lower Upper
45 100
43 58.0 48.2 72.2
87 24.6 24.9 37.3#
59 10.4 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.44 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

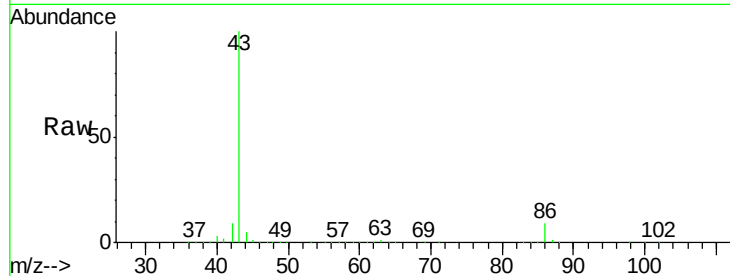
ICVVN032019

Tot Ion: 43 Resp: 3488841

Ion Ratio Lower Upper

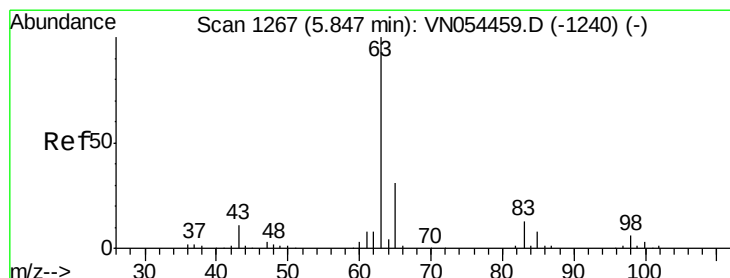
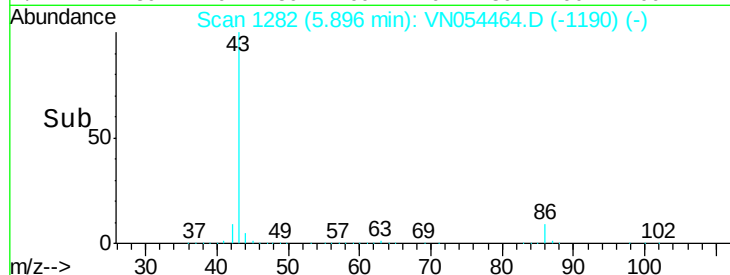
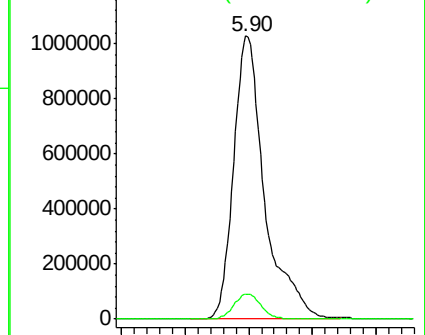
43 100

86 8.7 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.47 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

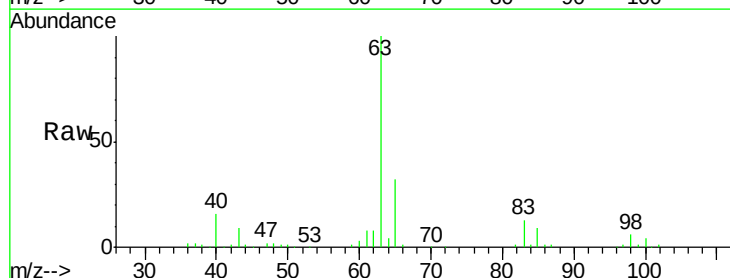
Tgt Ion: 63 Resp: 521205

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

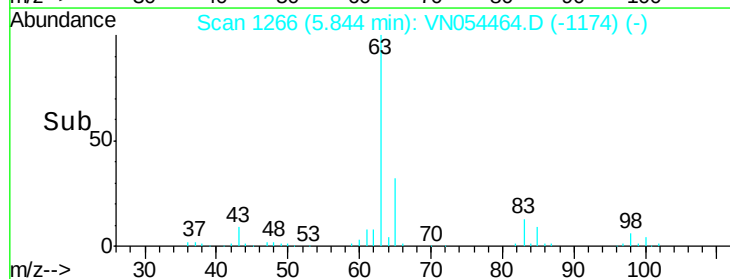
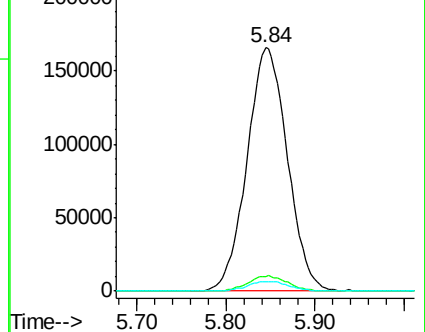
100 3.7 2.0 6.0

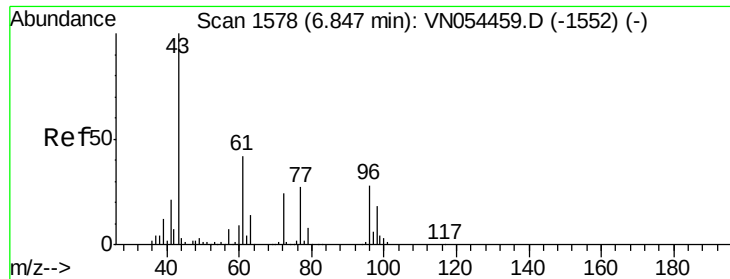


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

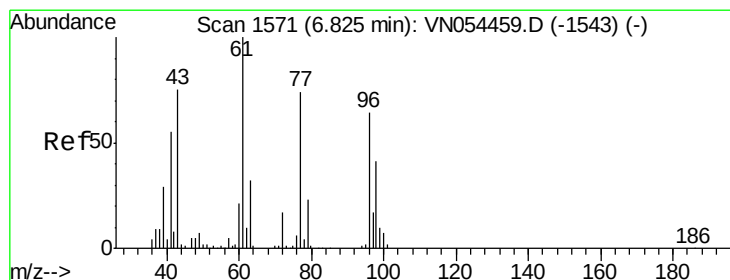
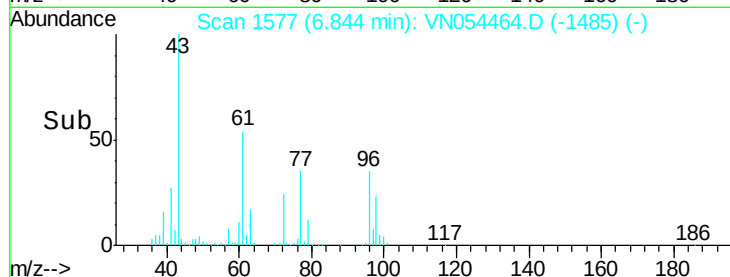
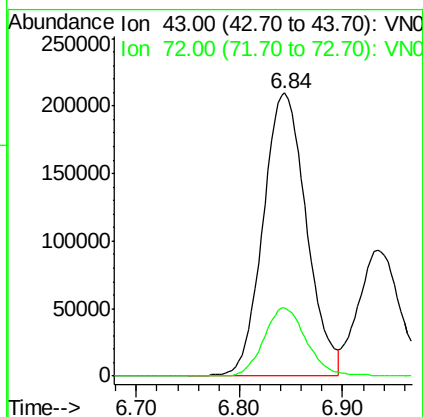
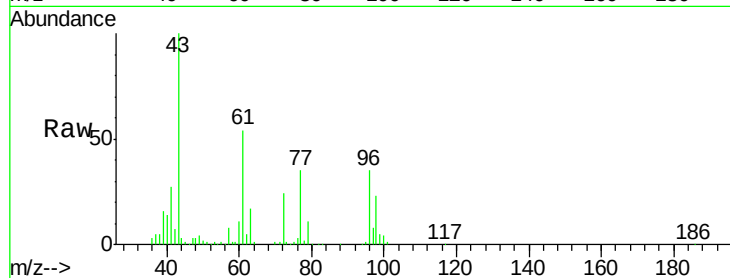




#25
2-Butanone
Concen: 232.77 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

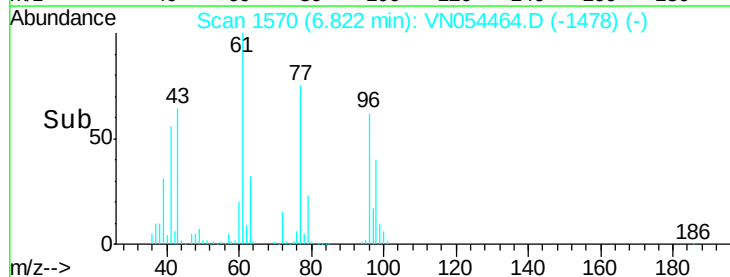
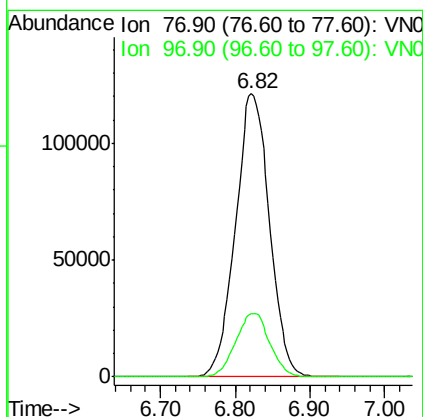
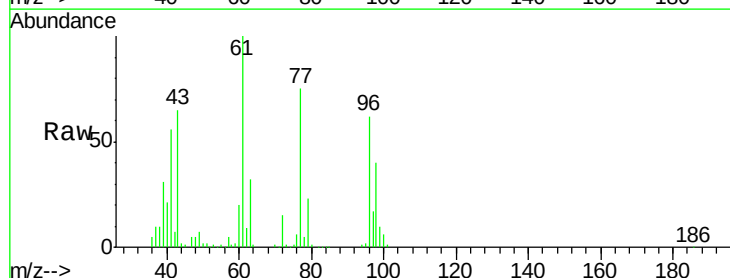
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032019

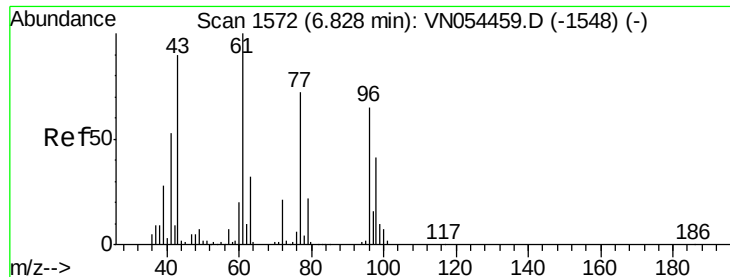
Tot Ion: 43 Resp: 609052
Ion Ratio Lower Upper
43 100
72 24.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 50.95 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 77 Resp: 382669
Ion Ratio Lower Upper
77 100
97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.50 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

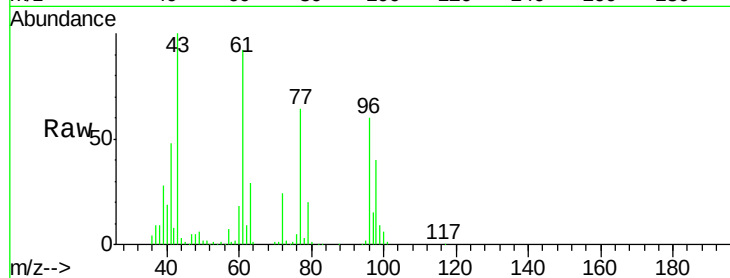
Tot Ion: 96 Resp: 311178

Ion Ratio Lower Upper

96 100

61 156.6 0.0 273.0

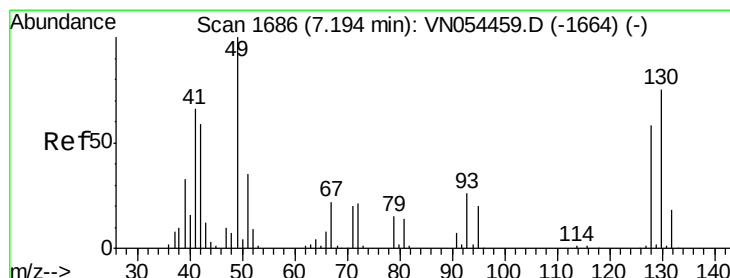
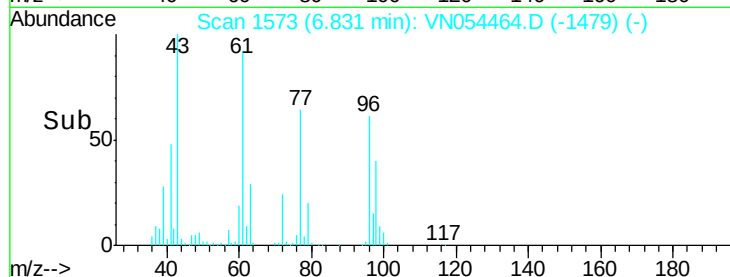
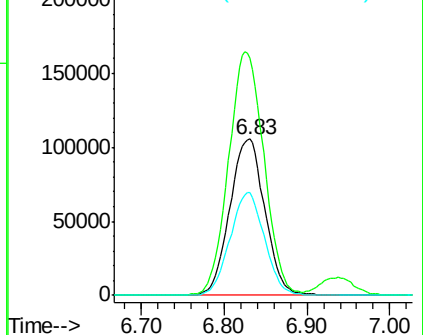
98 64.6 0.0 130.6



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: 49.85 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

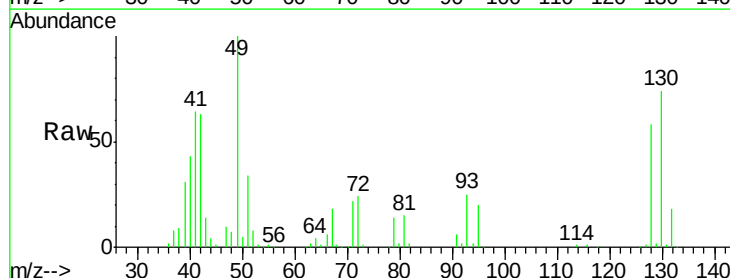
Tgt Ion: 49 Resp: 258534

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

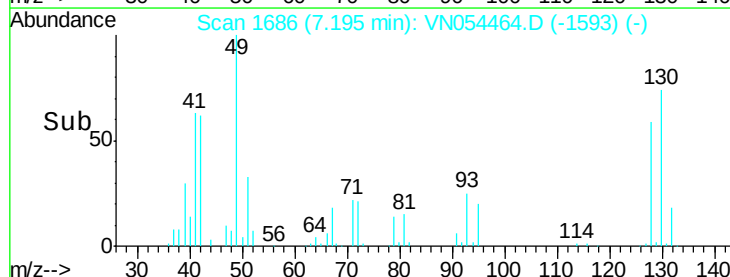
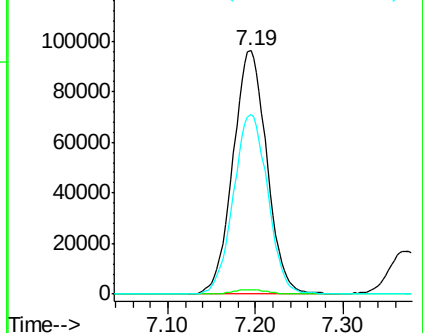
130 74.9 76.7 115.1#

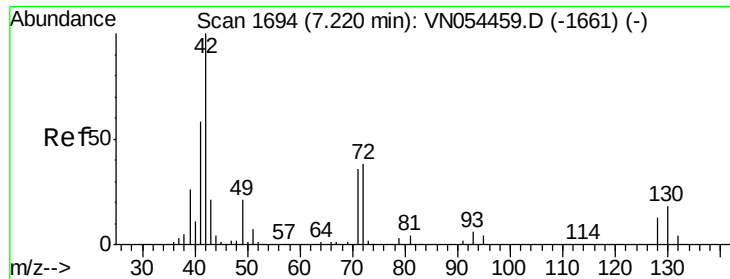


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

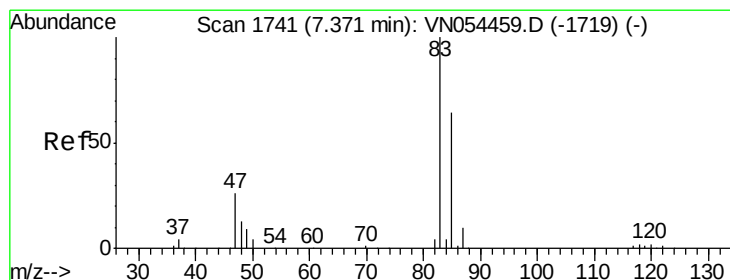
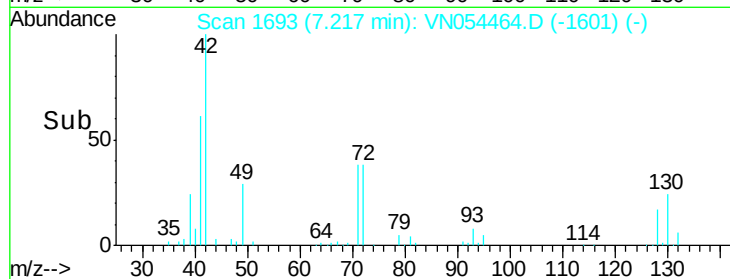
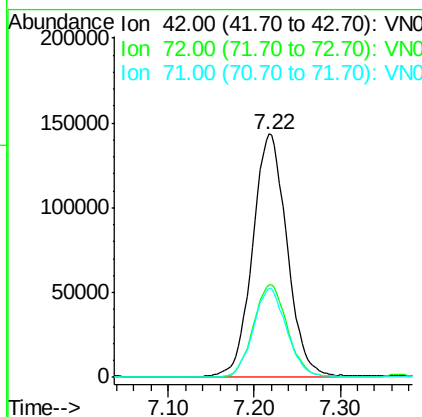
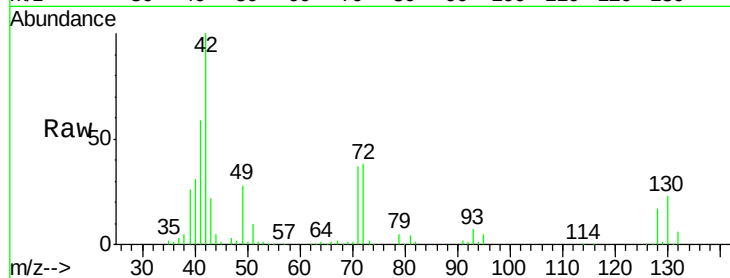




#29
Tetrahydrofuran
Concen: 235.25 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

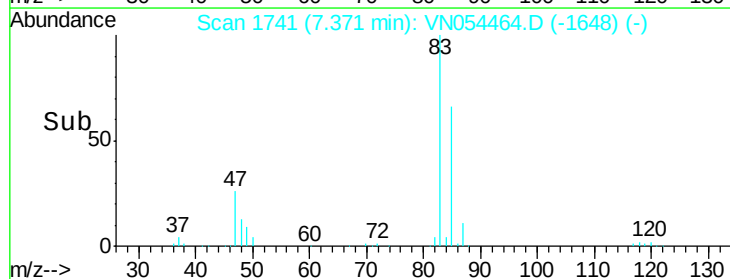
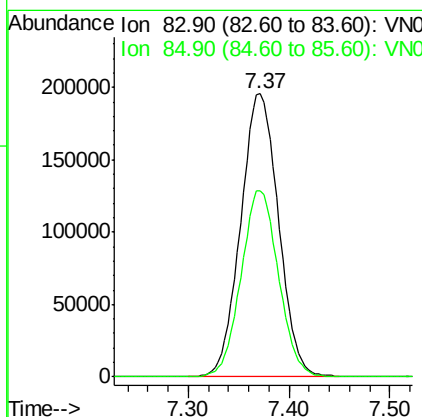
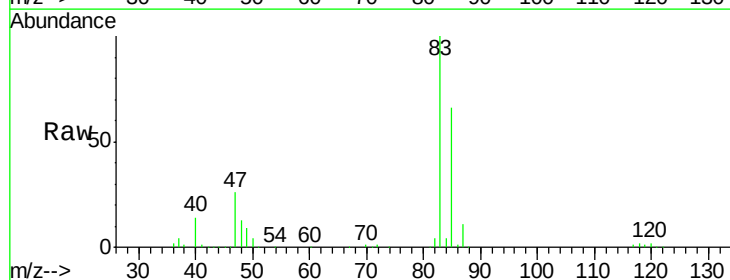
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032019

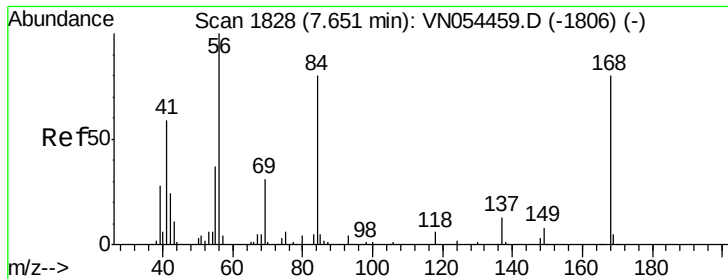
Tot Ion: 42 Resp: 399447
Ion Ratio Lower Upper
42 100
72 37.9 37.8 56.6
71 35.9 36.2 54.2#



#30
Chloroform
Concen: 49.59 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 83 Resp: 509903
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4





#31

Cyclohexane

Concen: 52.11 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

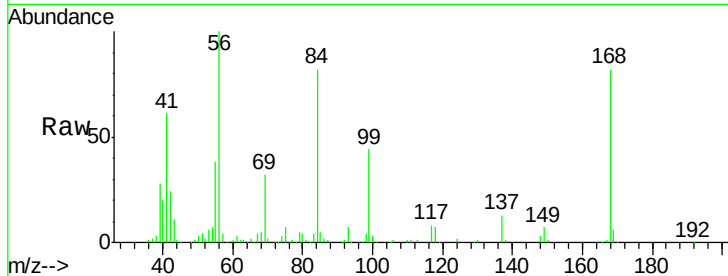
Tot Ion: 56 Resp: 525308

Ion Ratio Lower Upper

56 100

69 31.6 27.8 41.6

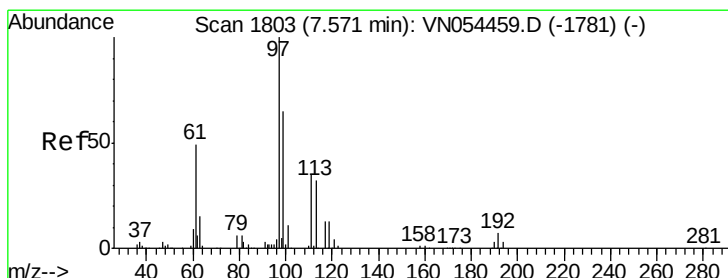
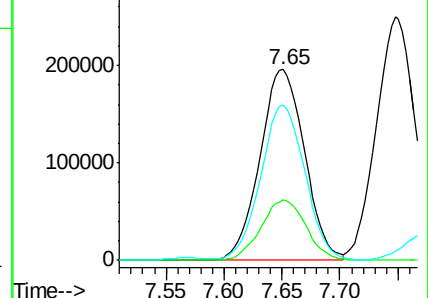
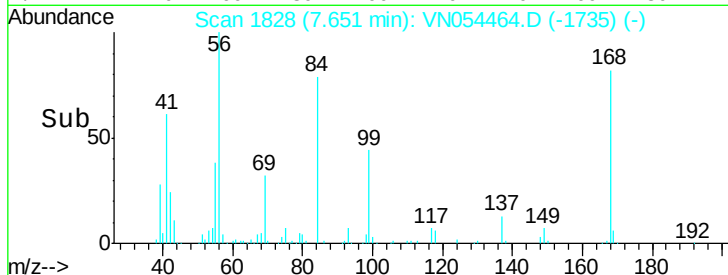
84 80.5 74.6 111.8



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: 51.89 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

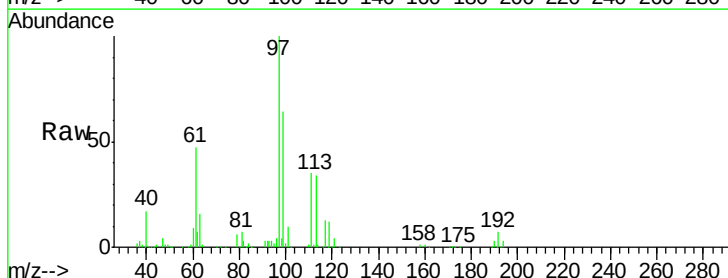
Tgt Ion: 97 Resp: 440167

Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

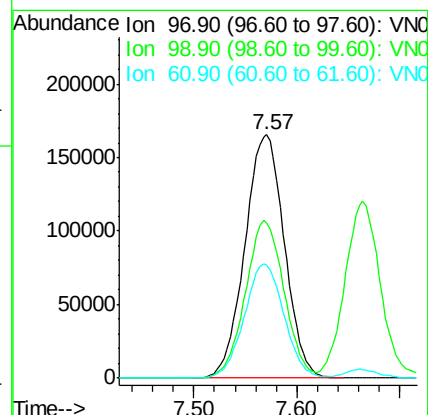
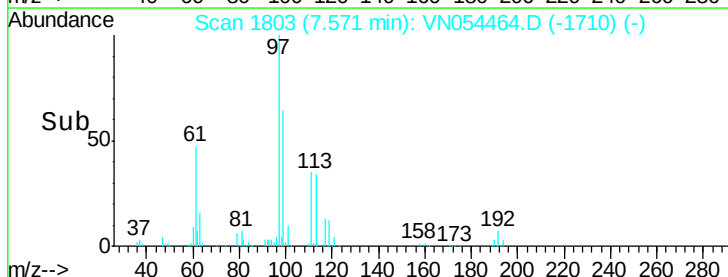
61 47.3 33.6 50.4

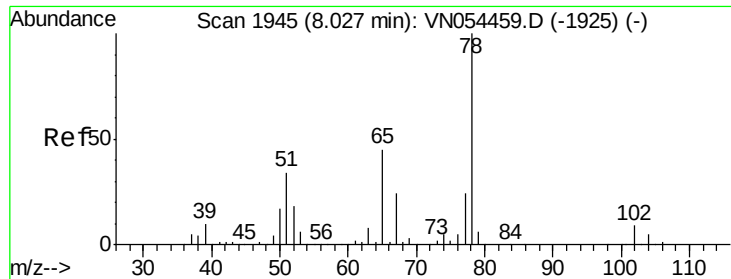


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

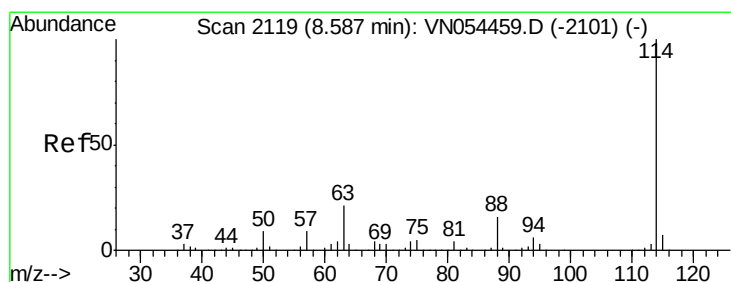
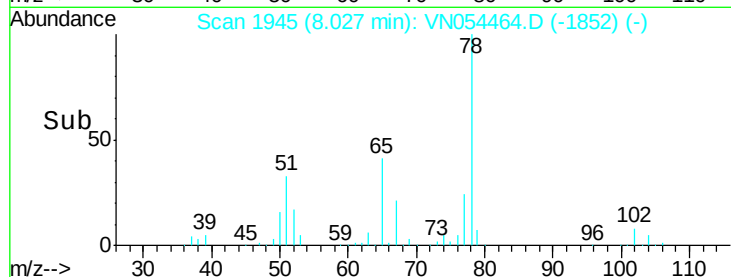
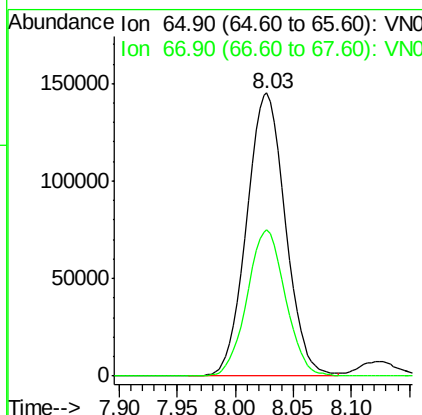
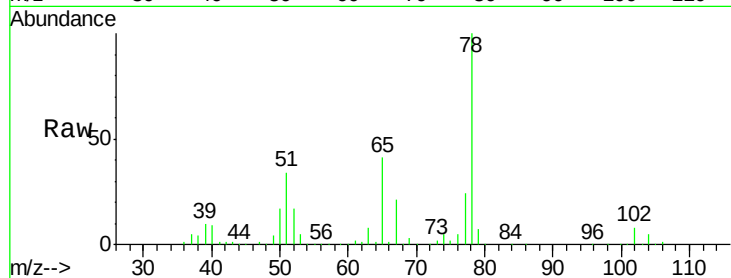




#33
 1,2-Dichloroethane-d4
 Concen: 49.78 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

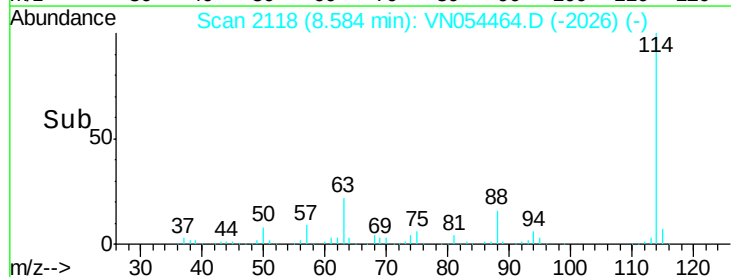
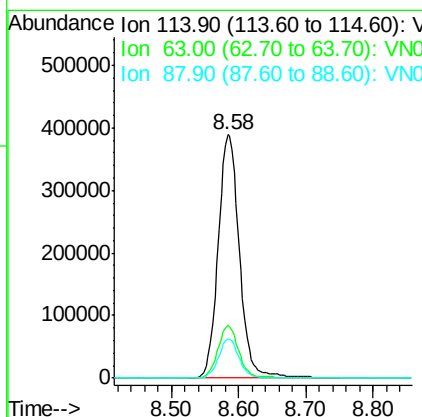
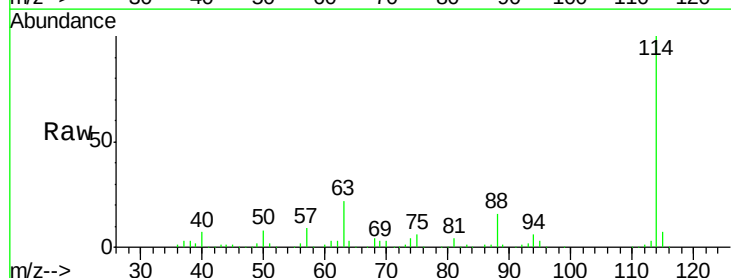
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

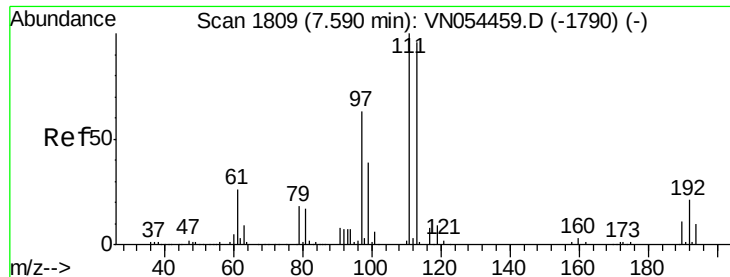
Tot Ion: 65 Resp: 338185
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion: 114 Resp: 860157
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 35.2
 88 16.0 0.0 30.2

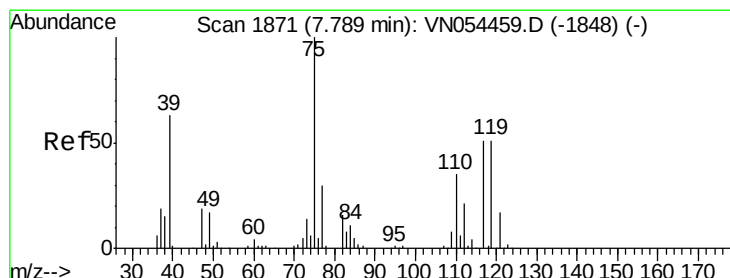
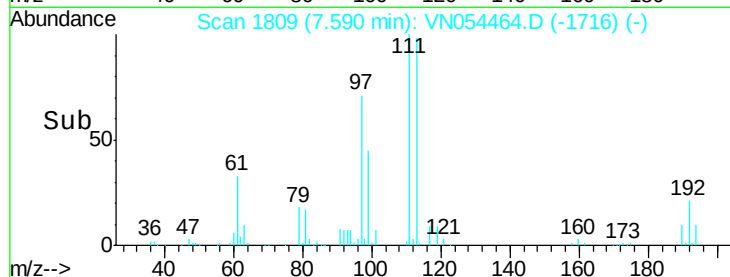
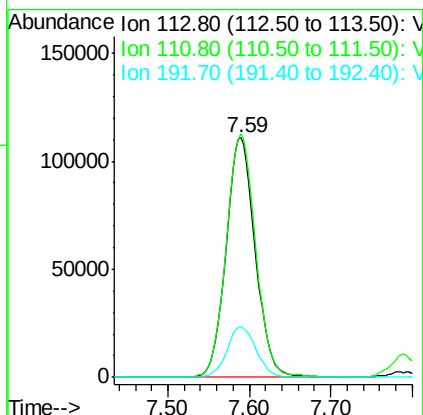
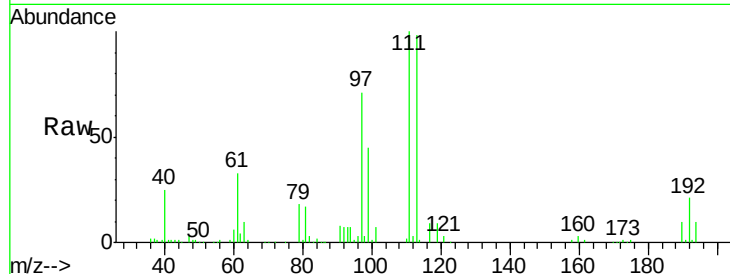




#35
 Dibromofluoromethane
 Concen: 50.11 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

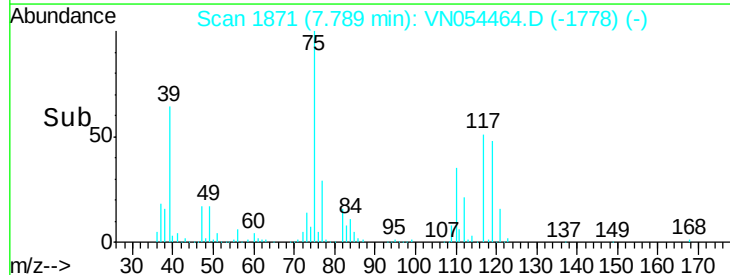
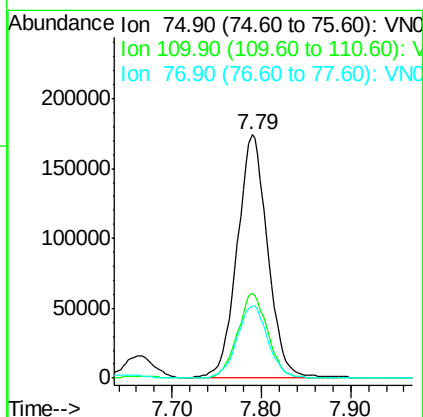
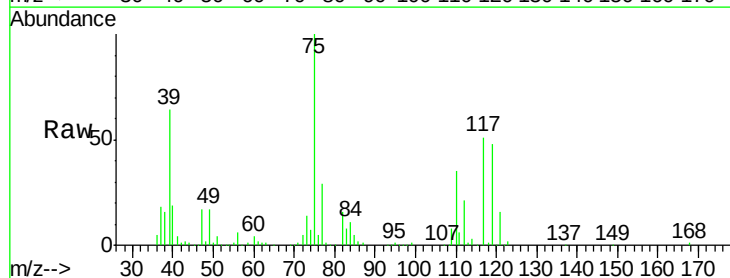
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032019

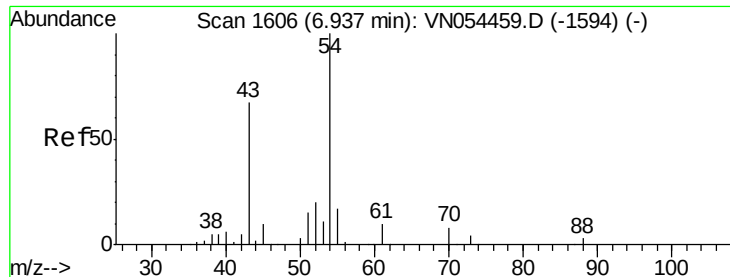
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 50.83 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.1	57.5
77	30.5	25.0	37.4

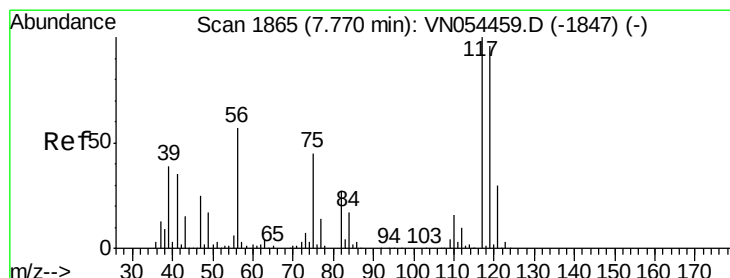
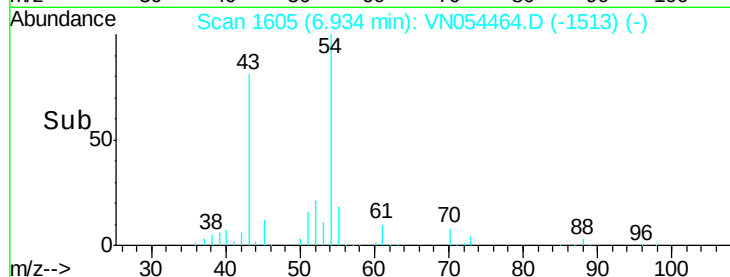
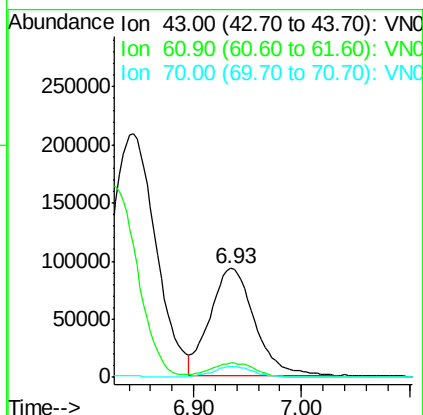
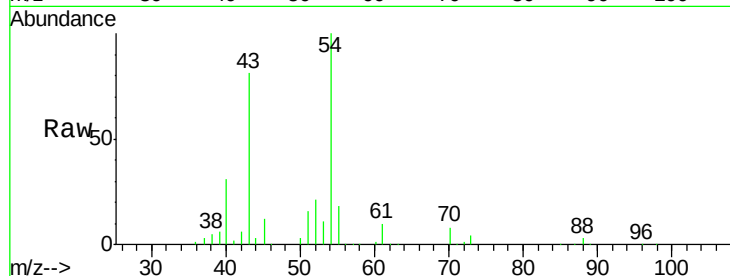




#37
Ethyl Acetate
Concen: 46.43 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

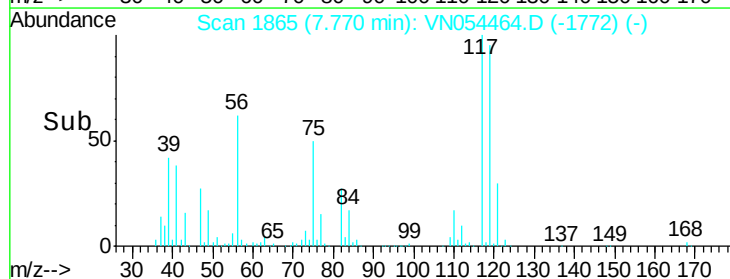
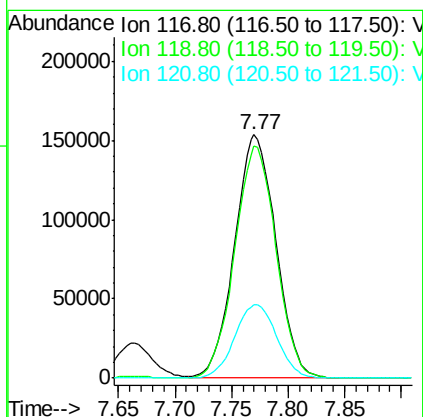
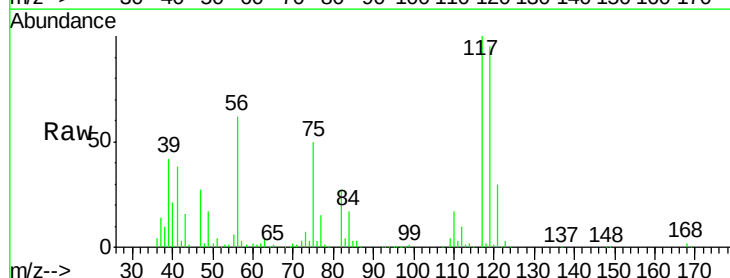
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

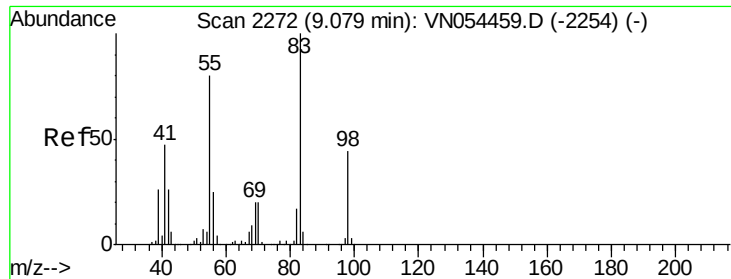
Tot Ion: 43 Resp: 265589
Ion Ratio Lower Upper
43 100
61 13.1 11.8 17.6
70 9.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.68 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 117 Resp: 388256
Ion Ratio Lower Upper
117 100
119 95.3 76.3 114.5
121 30.2 24.6 36.8

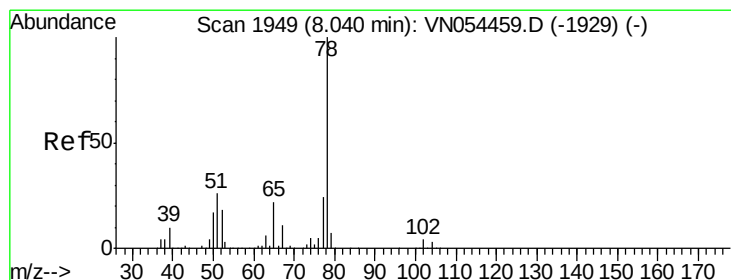
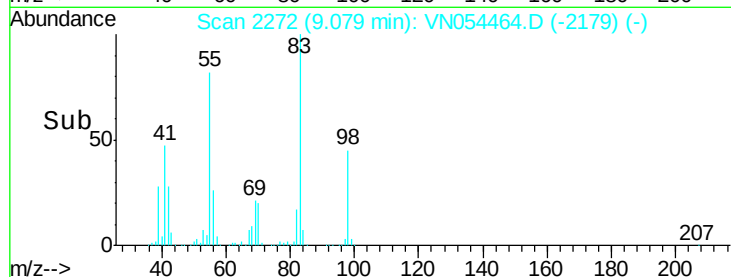
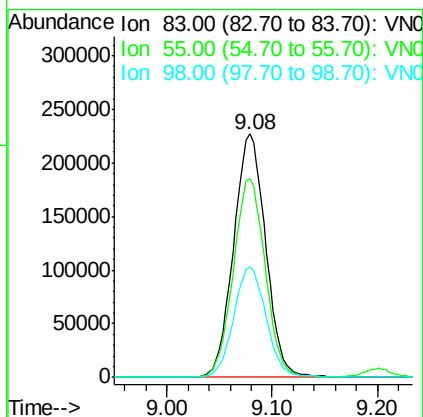
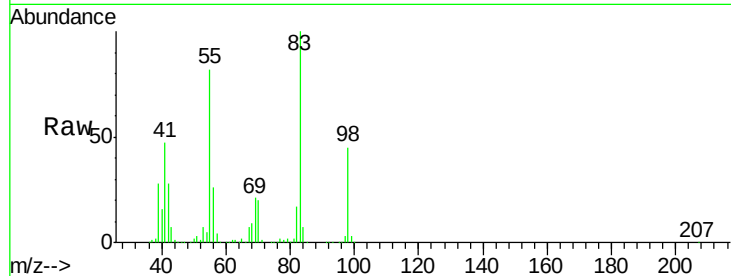




#39
Methylcyclohexane
Concen: 52.04 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

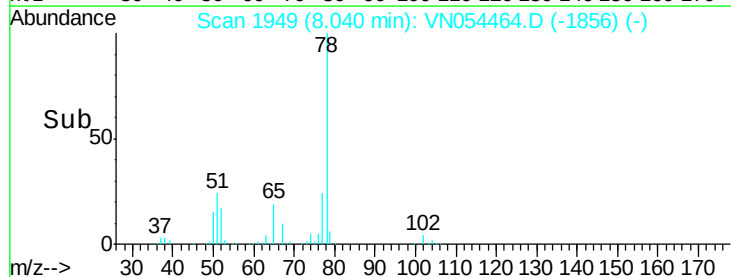
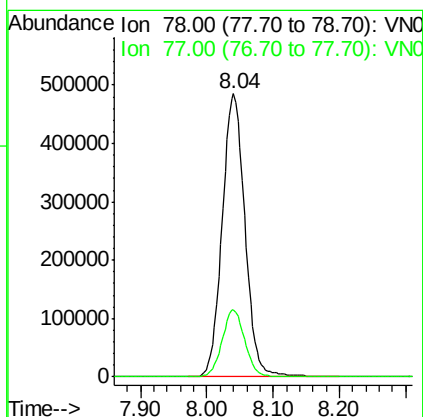
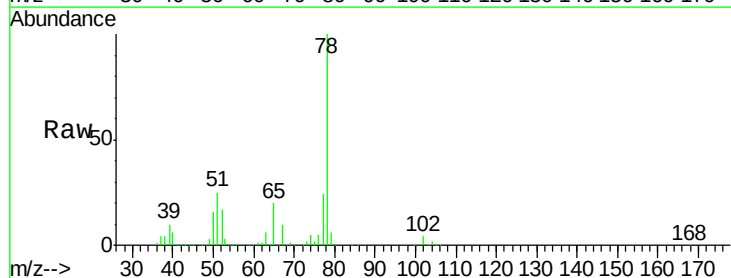
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

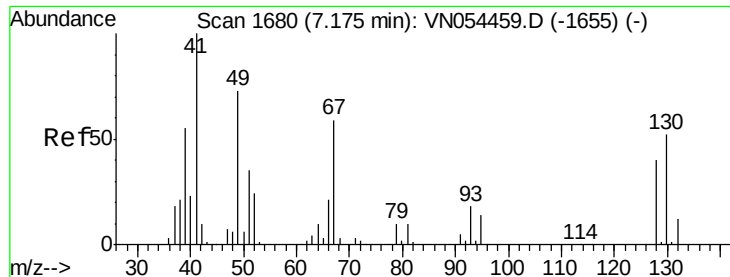
Tot Ion: 83 Resp: 478773
Ion Ratio Lower Upper
83 100
55 81.7 56.6 84.8
98 45.2 38.4 57.6



#40
Benzene
Concen: 50.40 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 78 Resp: 1159018
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

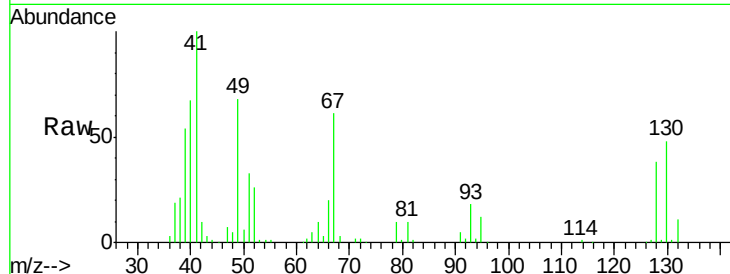




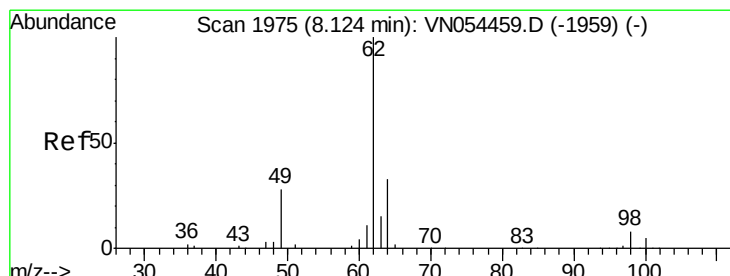
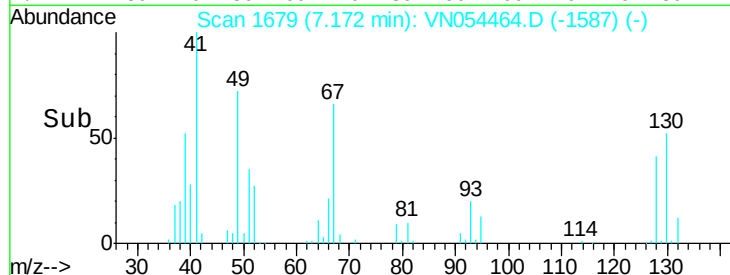
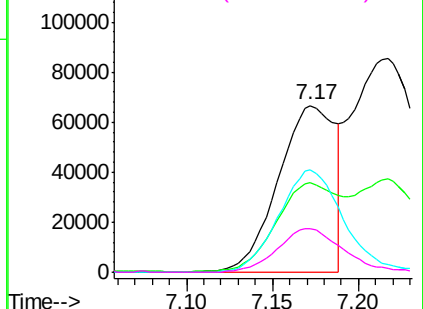
#41
Methacrylonitrile
Concen: 43.51 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

Tot Ion: 41 Resp: 151793
Ion Ratio Lower Upper
41 100
39 61.7 46.8 70.2
67 71.3 67.0 100.4
52 29.8 26.5 39.7

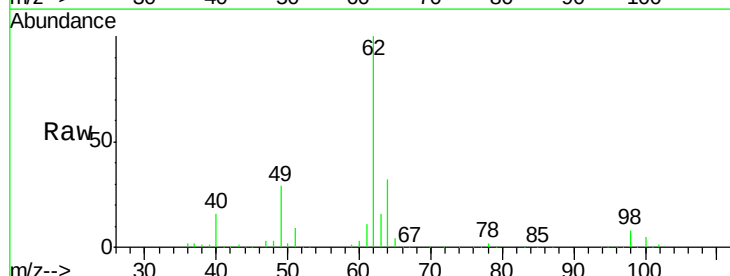


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

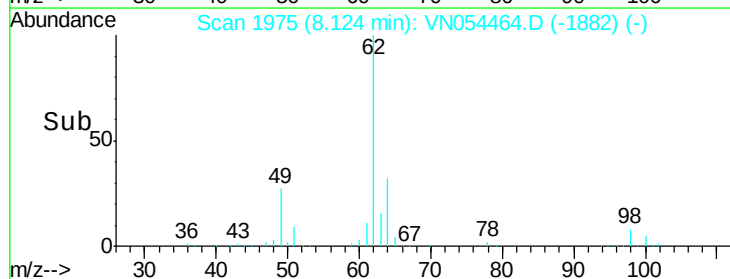
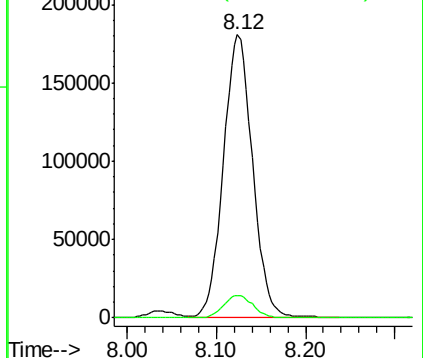


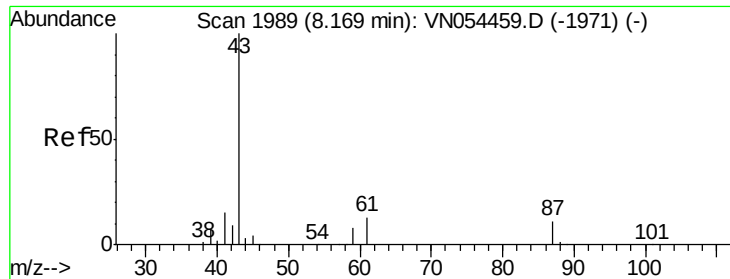
#42
1,2-Dichloroethane
Concen: 48.78 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 62 Resp: 408543
Ion Ratio Lower Upper
62 100
98 8.2 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: 48.70 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

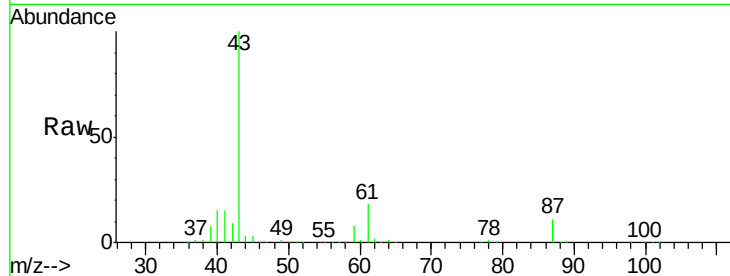
Tot Ion: 43 Resp: 470437

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

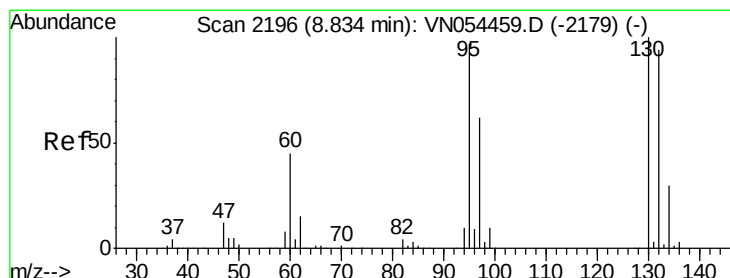
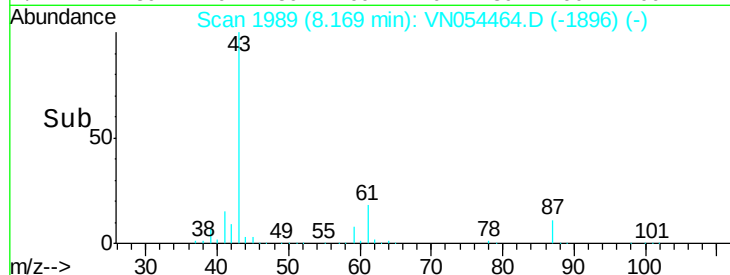
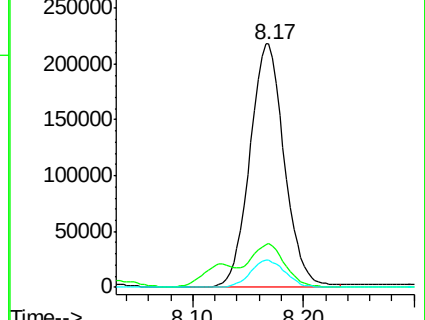
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054464.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054464.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054464.D (-1896) (-)



#44

Trichloroethene

Concen: 49.81 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054464.D

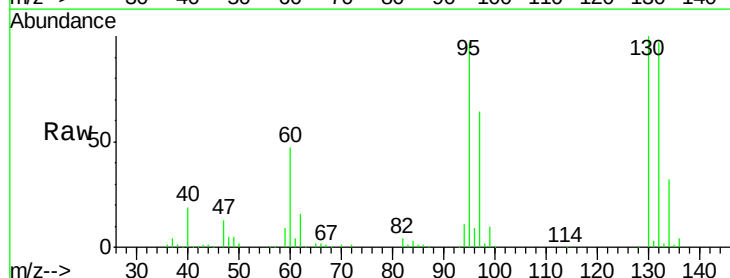
Acq: 20 Mar 2019 14:55

Tgt Ion:130 Resp: 318465

Ion Ratio Lower Upper

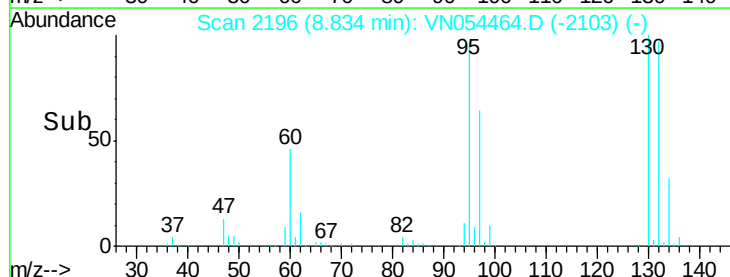
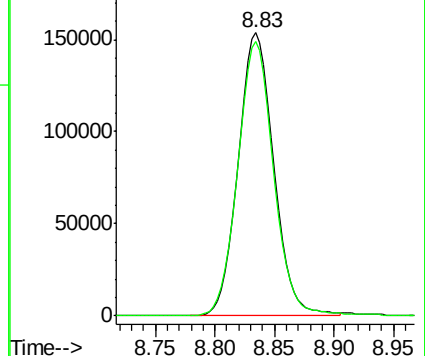
130 100

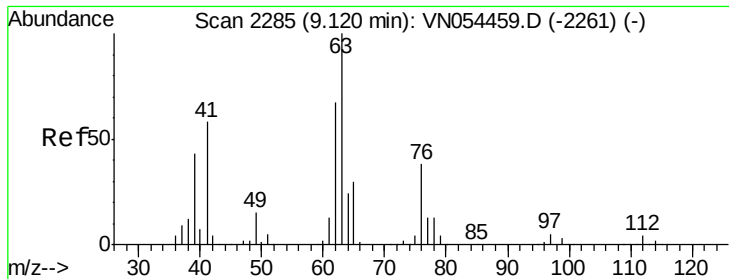
95 97.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054464.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054464.D (-2103) (-)

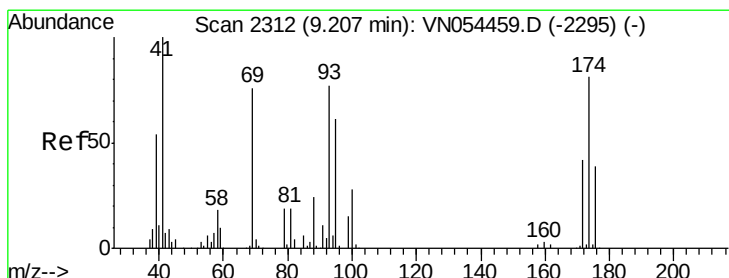
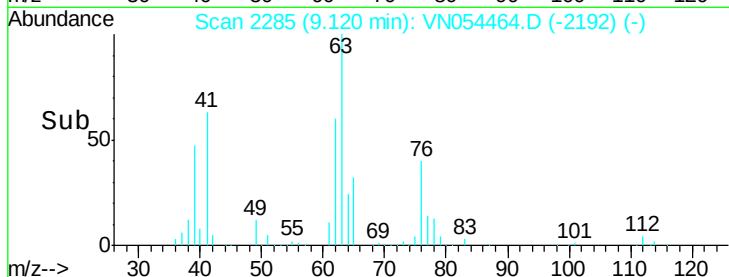
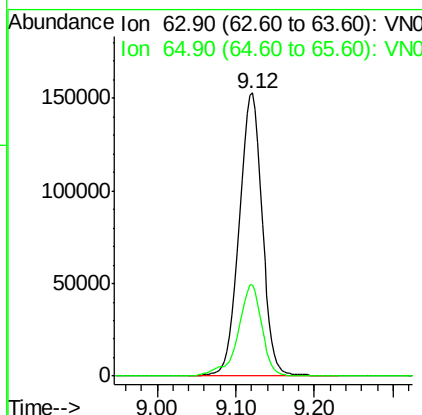
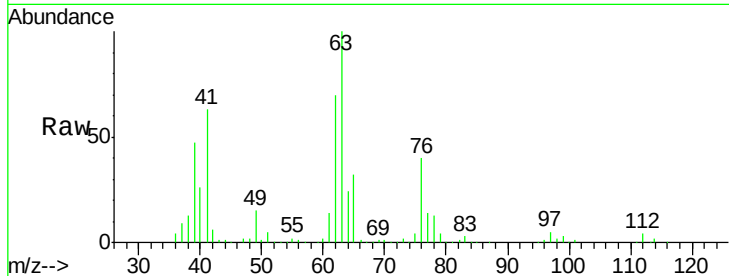




#45
 1,2-Dichloropropane
 Concen: 50.86 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

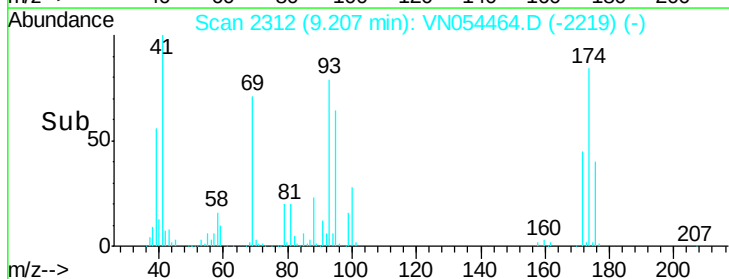
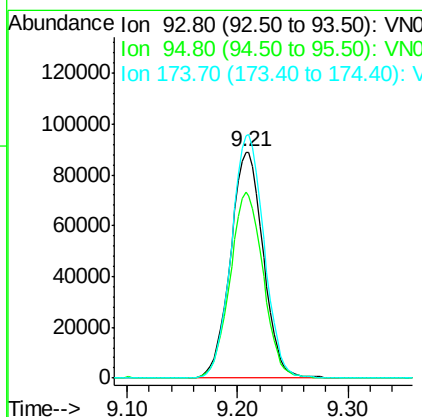
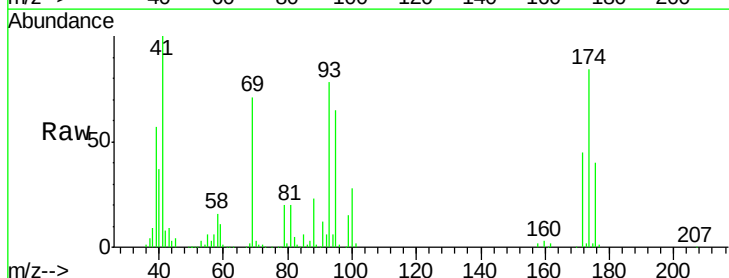
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

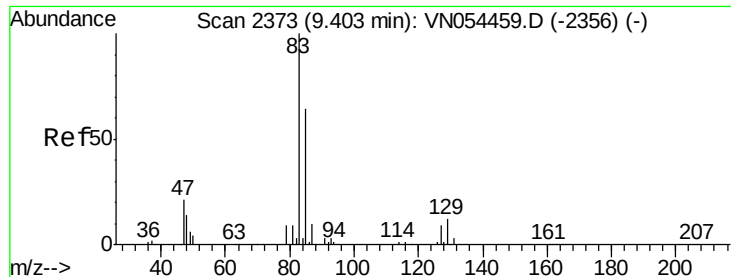
Tot Ion: 63 Resp: 314067
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6



#46
 Dibromomethane
 Concen: 49.82 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion: 93 Resp: 183530
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 107.1 98.5 147.7





#47

Bromodichloromethane

Concen: 50.98 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

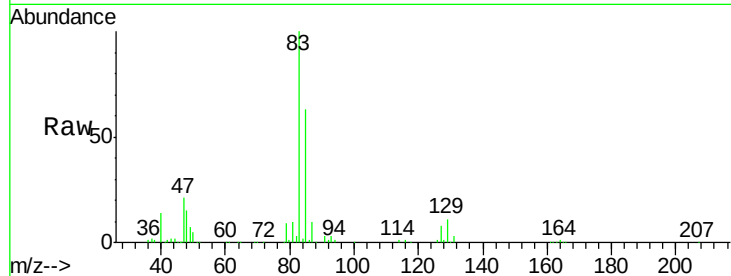
Tot Ion: 83 Resp: 389787

Ion Ratio Lower Upper

83 100

85 63.2 52.8 79.2

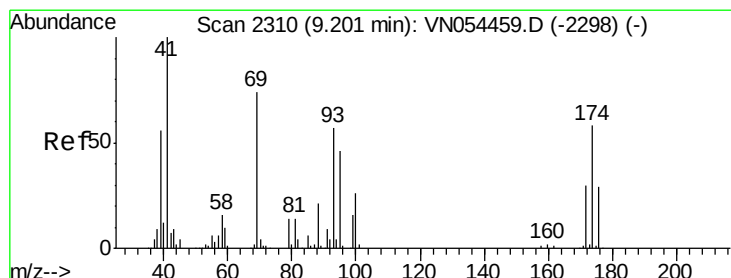
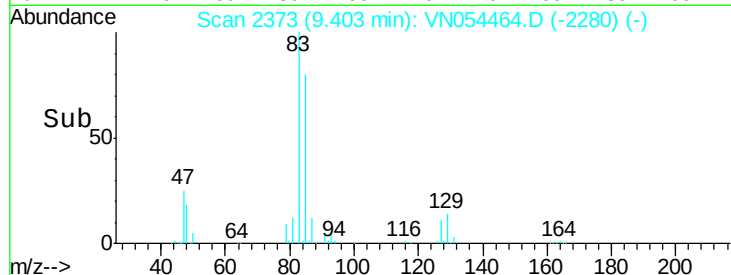
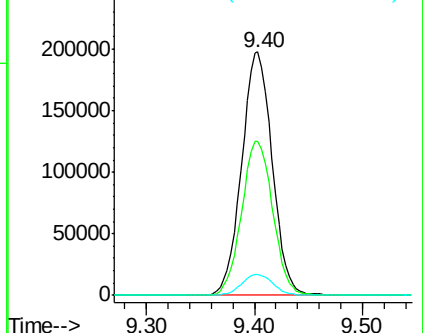
127 8.5 7.4 11.2



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: 47.54 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

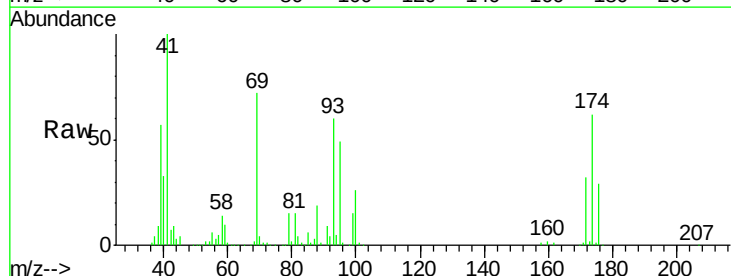
Tgt Ion: 41 Resp: 249254

Ion Ratio Lower Upper

41 100

69 72.3 72.6 108.8#

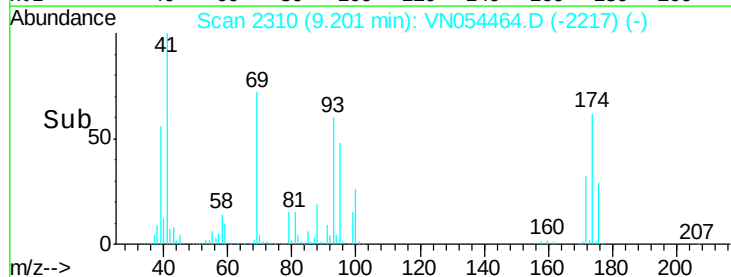
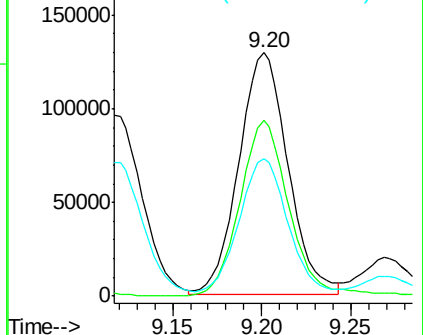
39 56.6 47.5 71.3

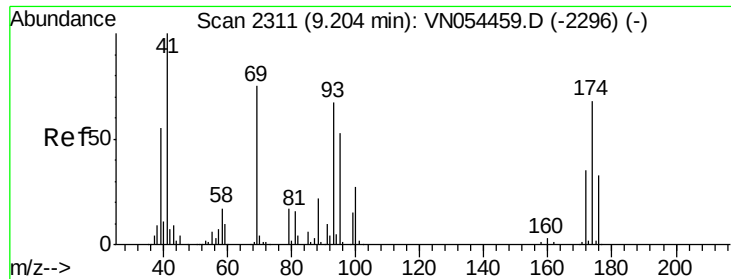


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

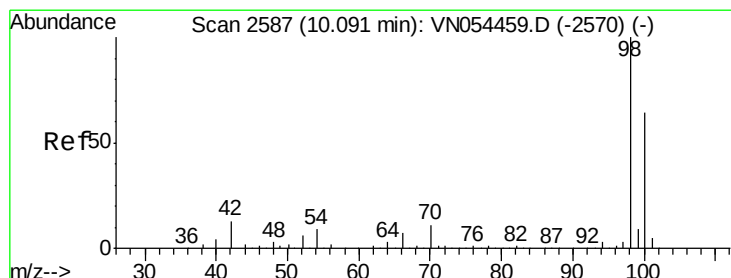
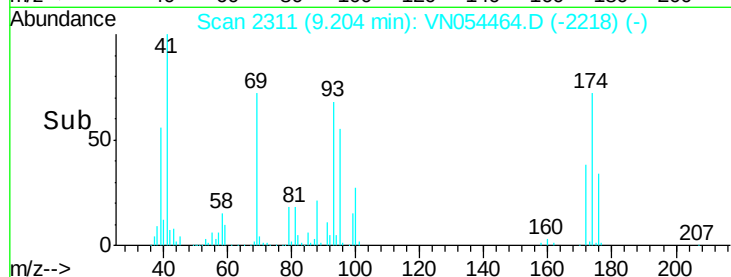
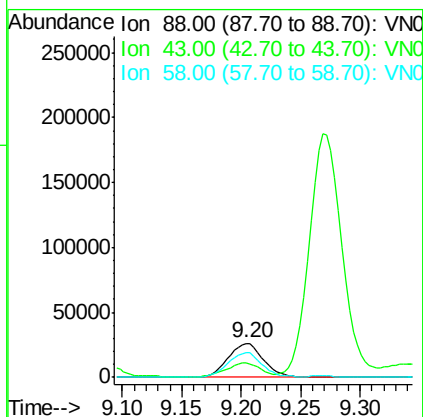
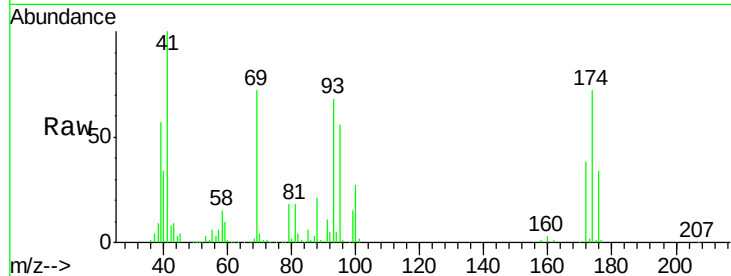




#49
1,4-Dioxane
Concen: 923.19 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

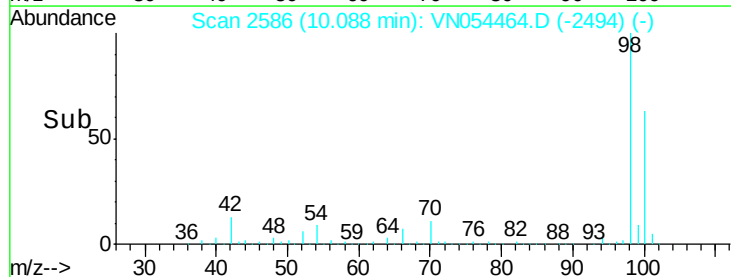
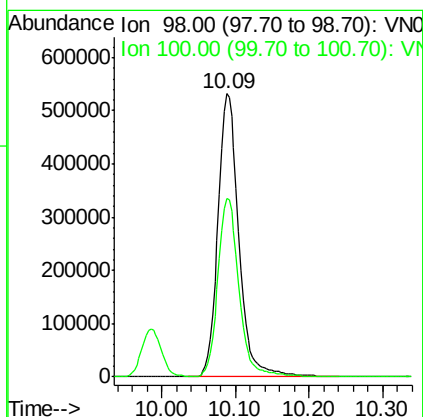
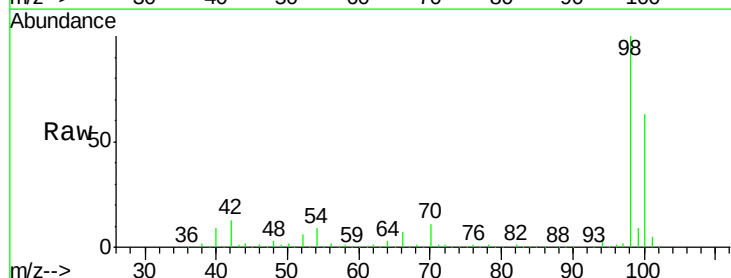
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032019

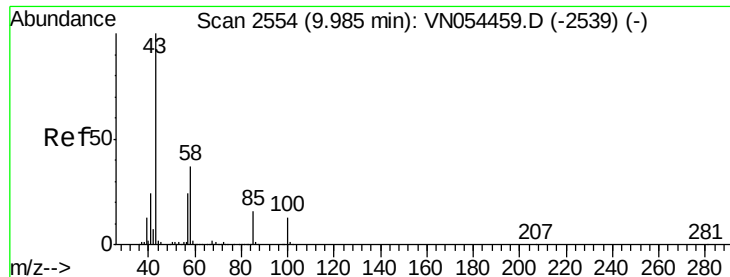
Tot Ion: 88 Resp: 54115
Ion Ratio Lower Upper
88 100
43 37.8 24.1 36.1#
58 71.3 50.8 76.2



#50
Toluene-d8
Concen: 50.29 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 98 Resp: 1047763
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 237.82 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

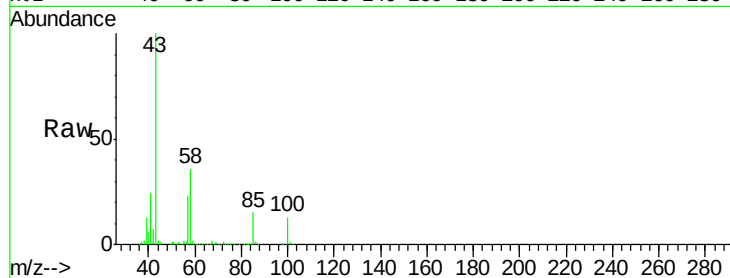
ICVVN032019

Tot Ion: 43 Resp: 1273270

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

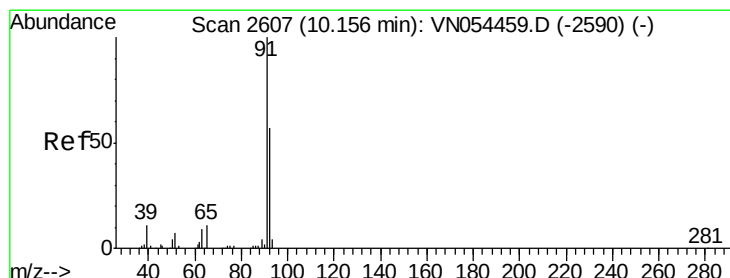
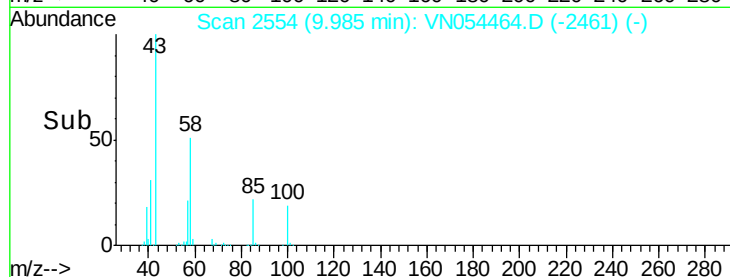
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.15 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054464.D

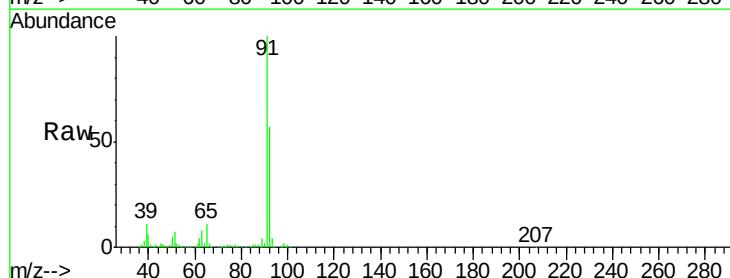
Acq: 20 Mar 2019 14:55

Tgt Ion: 92 Resp: 709315

Ion Ratio Lower Upper

92 100

91 175.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

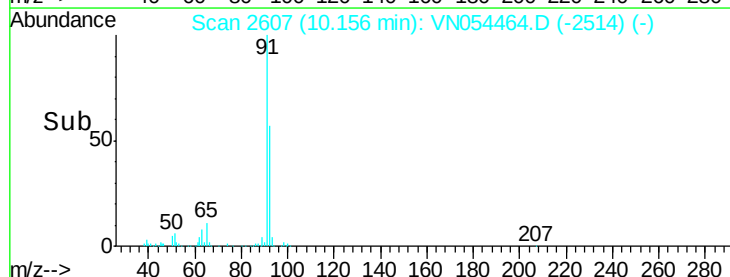
600000

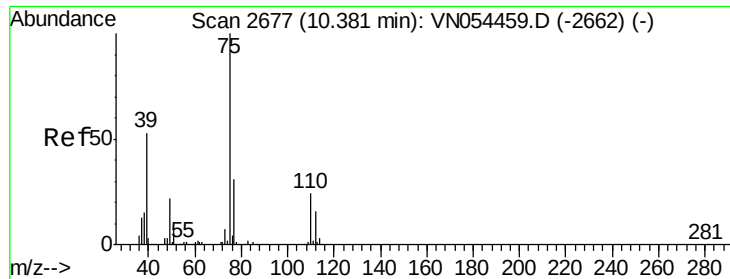
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.92 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

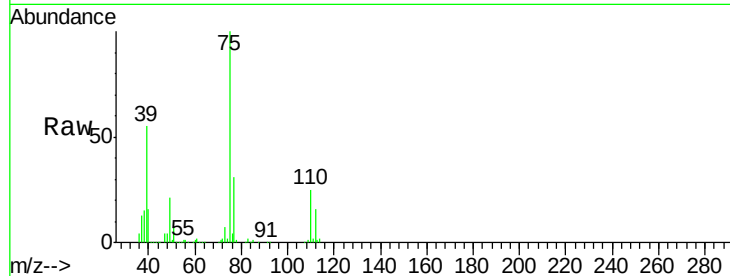
ICVFN032019

Tot Ion: 75 Resp: 377288

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

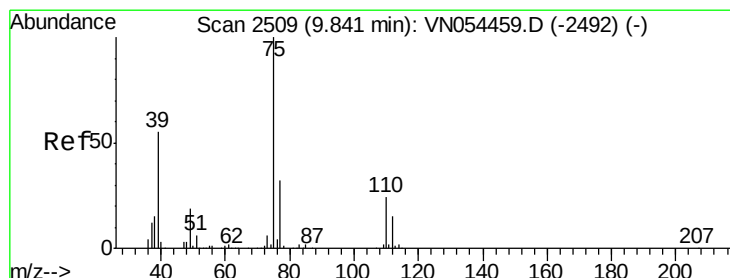
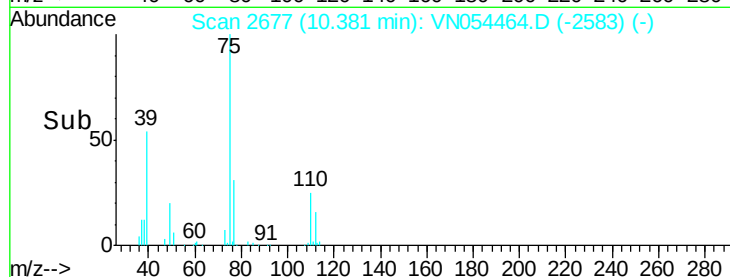
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.52 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

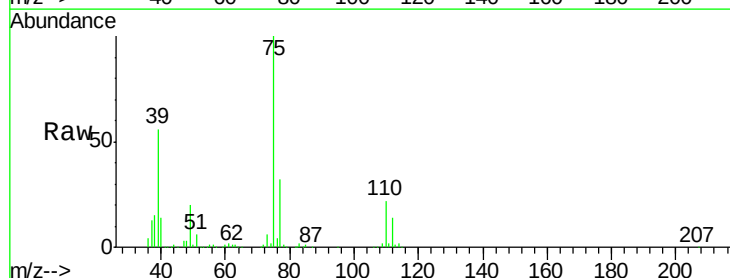
Tgt Ion: 75 Resp: 460439

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 56.3 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

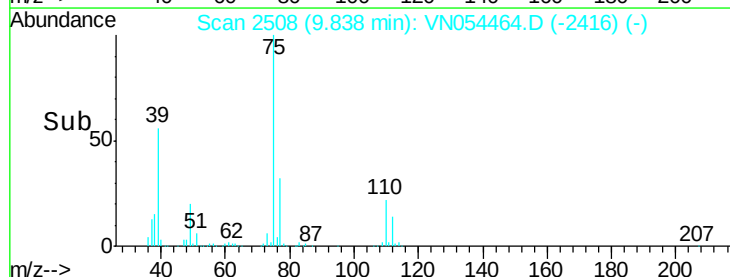
300000

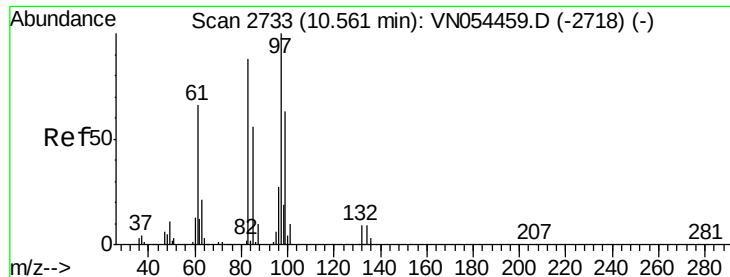
200000

100000

0

Time-->

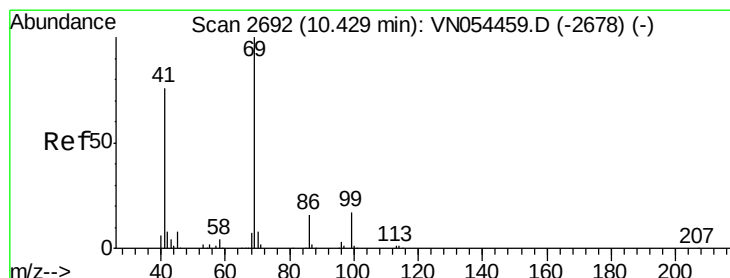
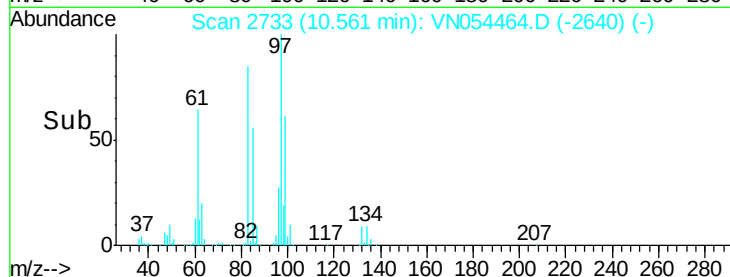
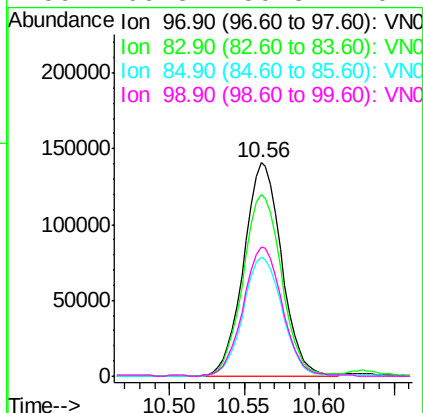
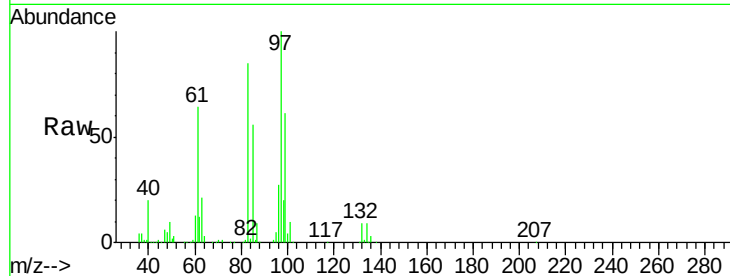




#55
 1,1,2-Trichloroethane
 Concen: 48.98 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

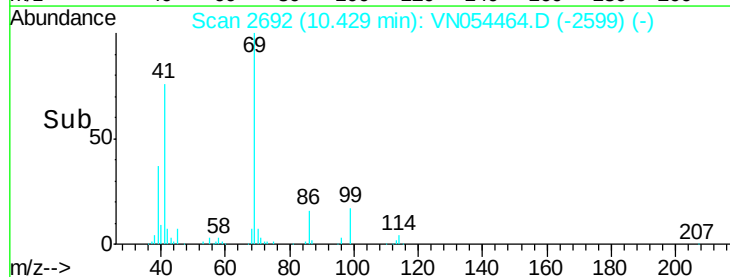
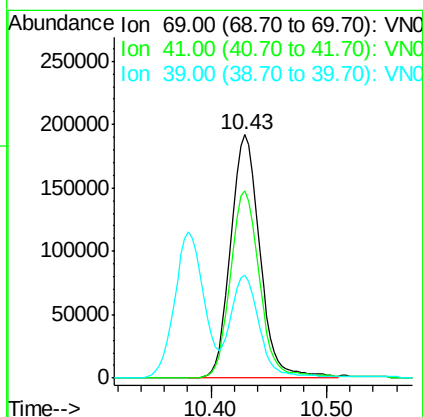
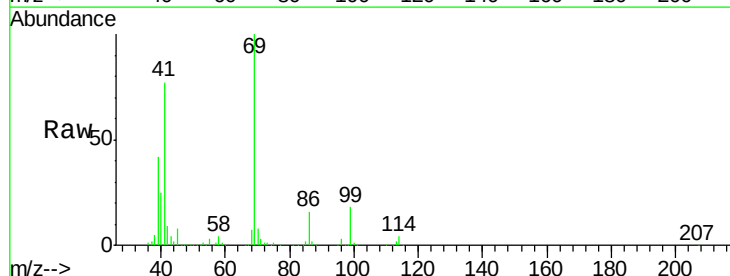
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

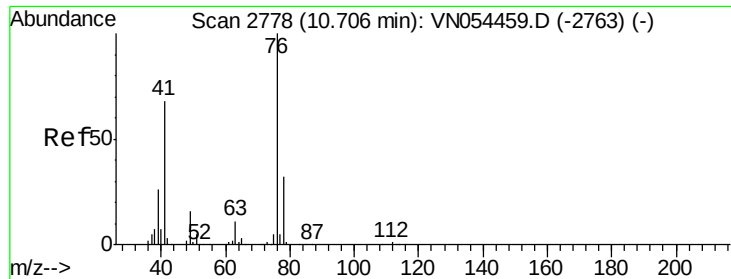
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.6	100.0
85	55.5	44.4	66.6
99	60.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 49.01 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.0	49.4	74.2#
39	40.4	28.3	42.5

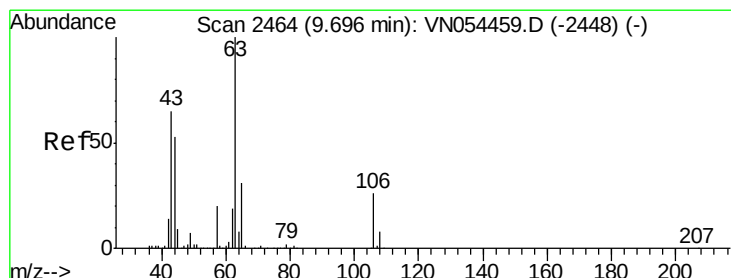
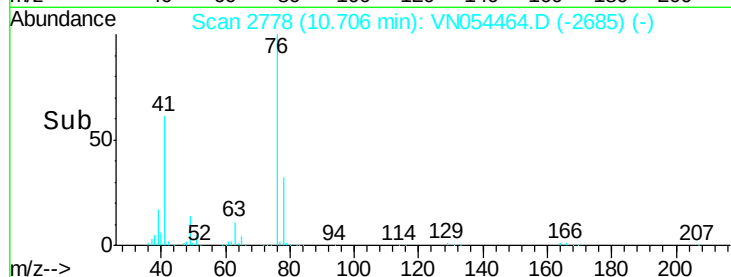
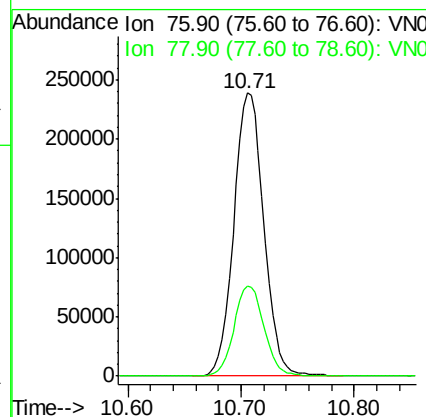
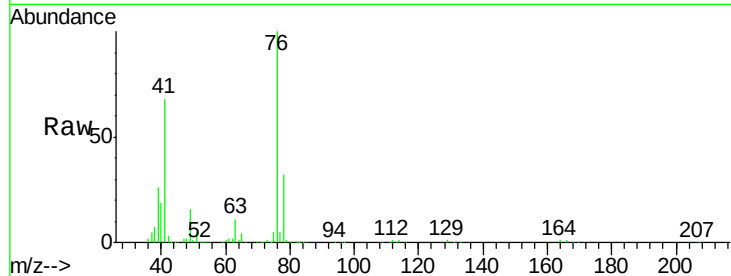




#57
 1,3-Dichloropropane
 Concen: 49.77 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

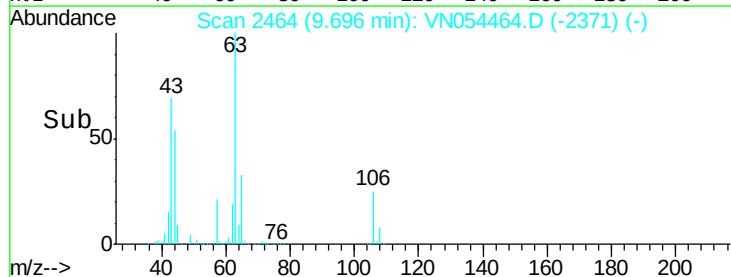
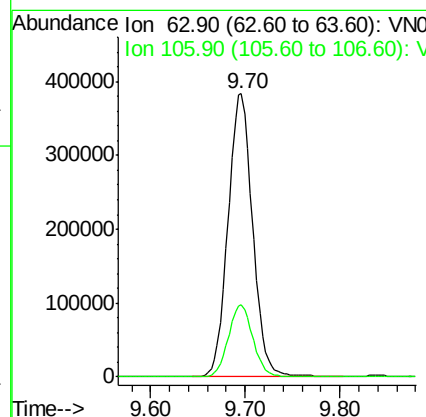
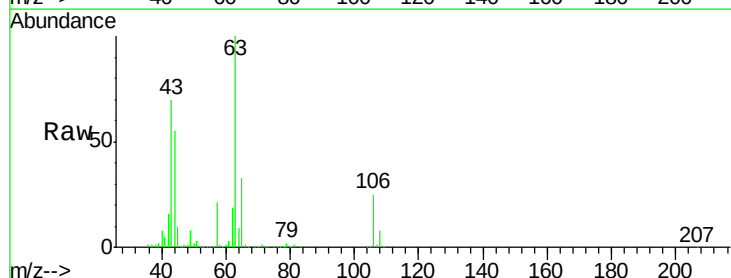
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032019

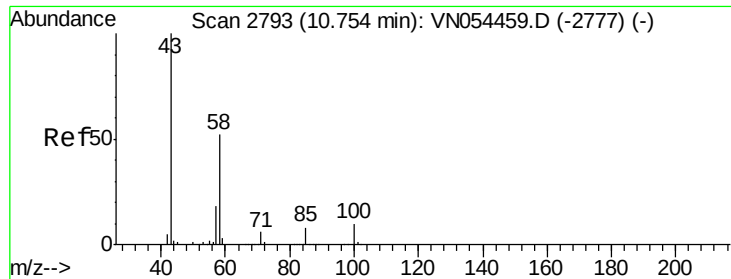
Tot Ion: 76 Resp: 439883
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.07 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion: 63 Resp: 694312
 Ion Ratio Lower Upper
 63 100
 106 25.4 24.4 36.6

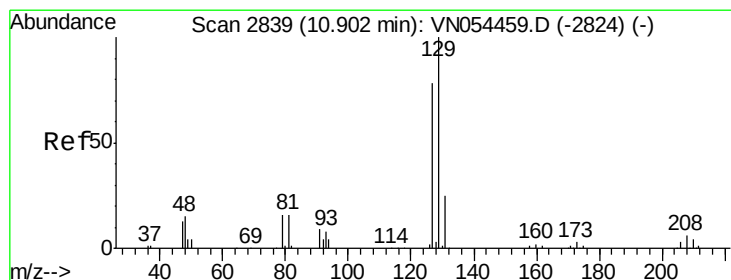
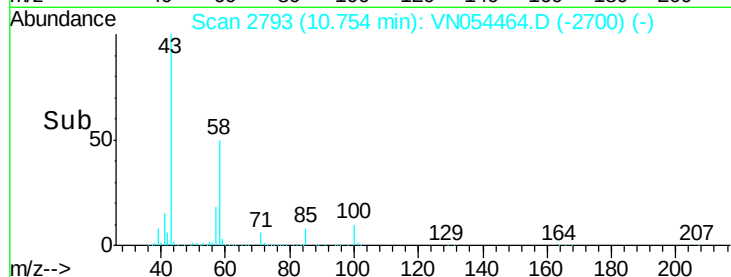
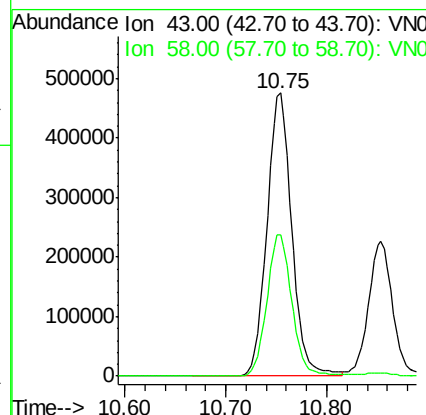
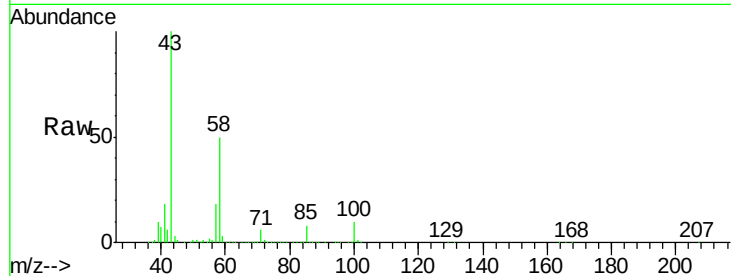




#59
2-Hexanone
Concen: 232.16 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

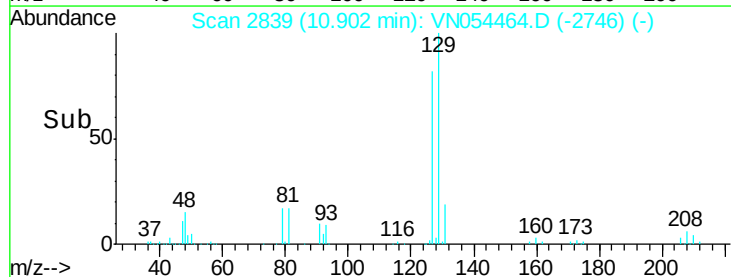
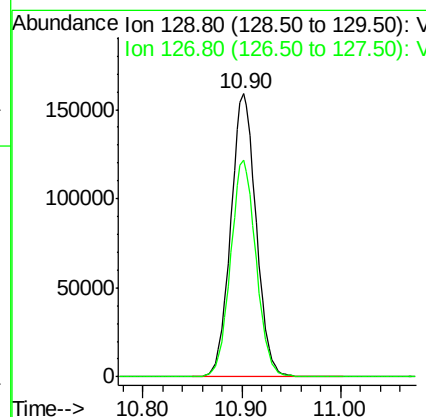
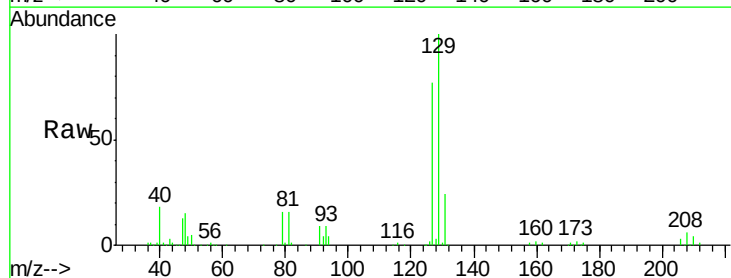
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

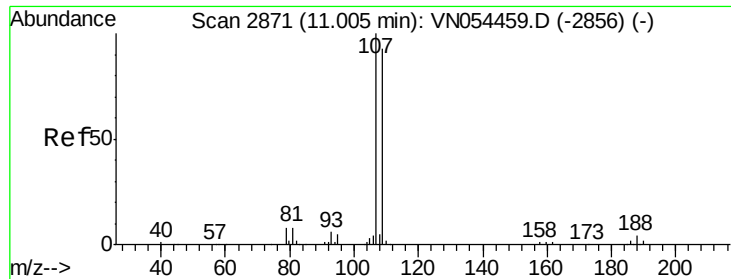
Tot Ion: 43 Resp: 811893
Ion Ratio Lower Upper
43 100
58 50.3 28.0 83.9



#60
Dibromochloromethane
Concen: 52.90 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 129 Resp: 286199
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.44 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

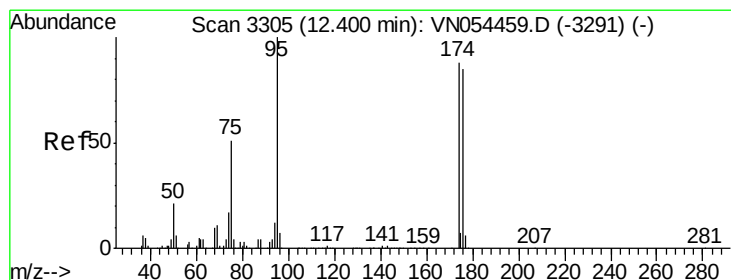
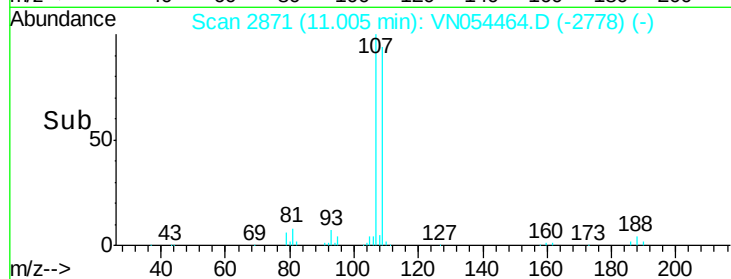
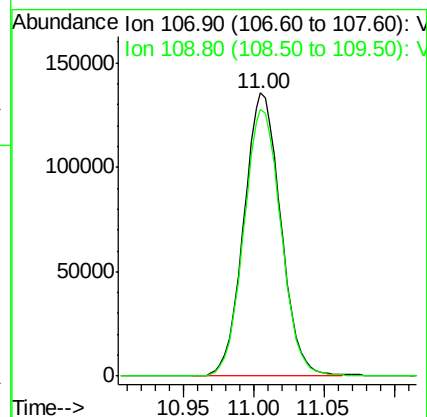
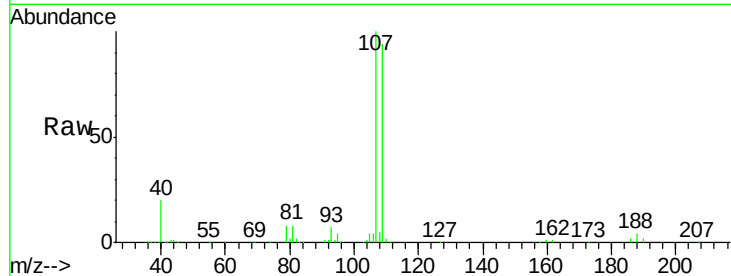
ICVVN032019

Tot Ion:107 Resp: 248515

Ion Ratio Lower Upper

107 100

109 95.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 50.76 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

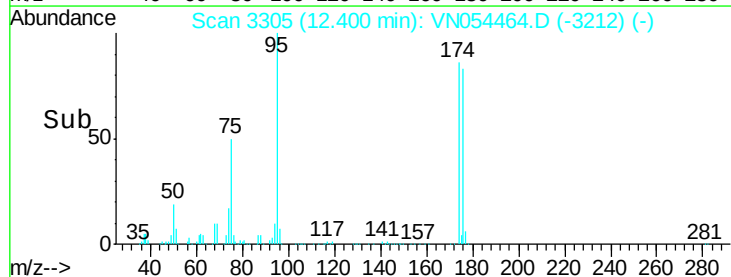
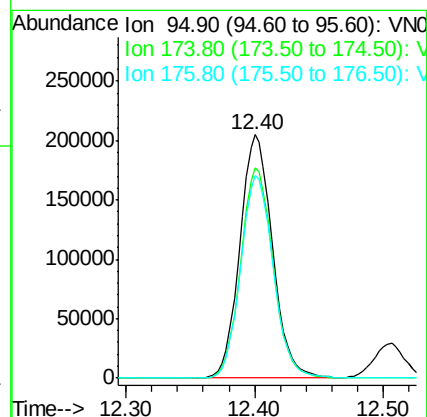
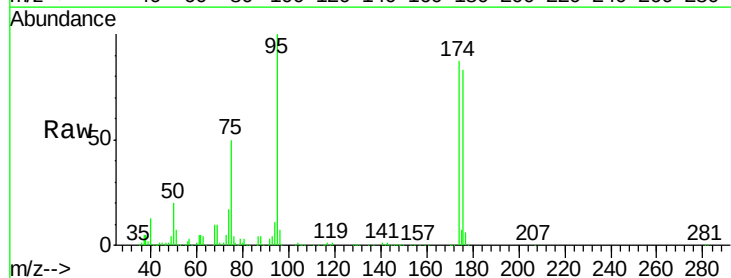
Tgt Ion: 95 Resp: 359833

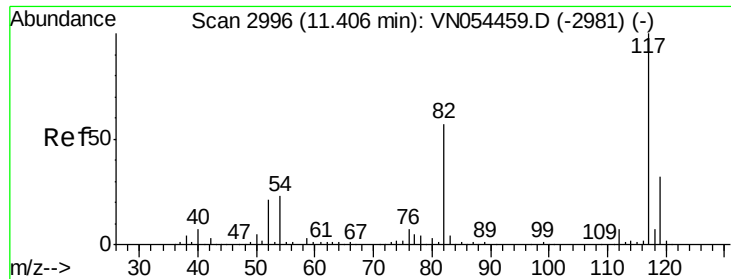
Ion Ratio Lower Upper

95 100

174 86.1 0.0 191.0

176 83.7 0.0 187.4

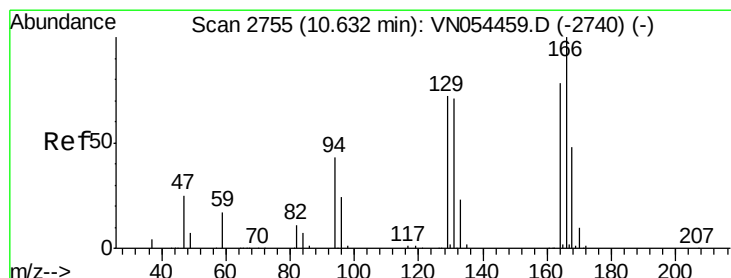
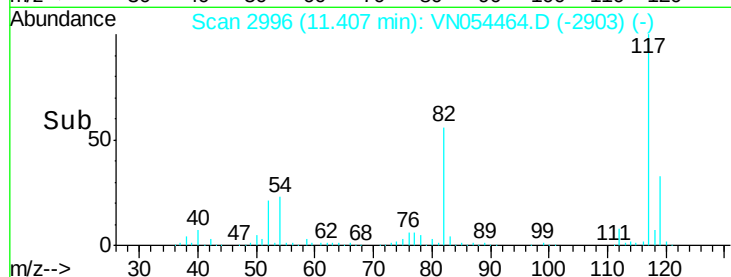
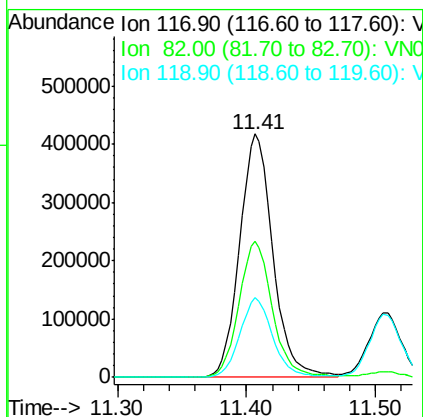
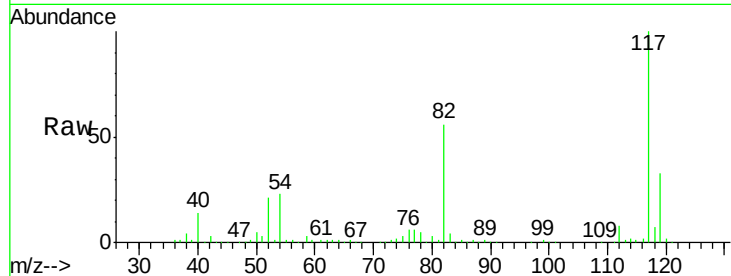




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

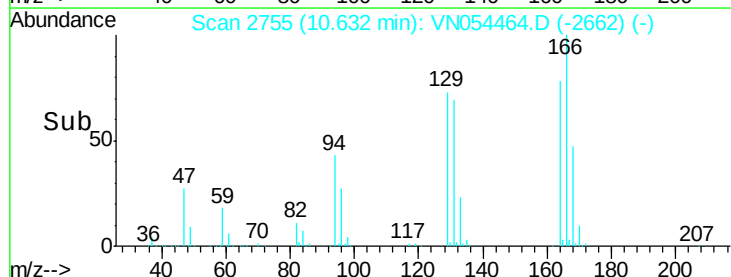
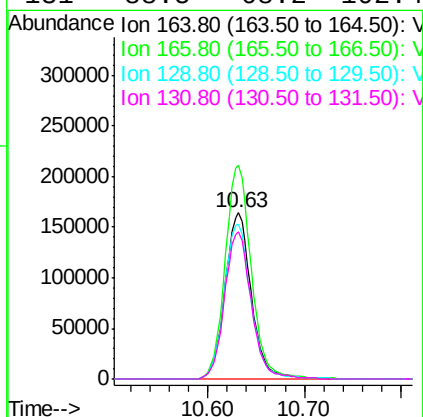
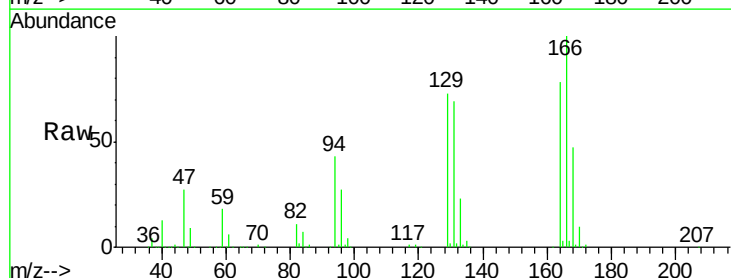
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

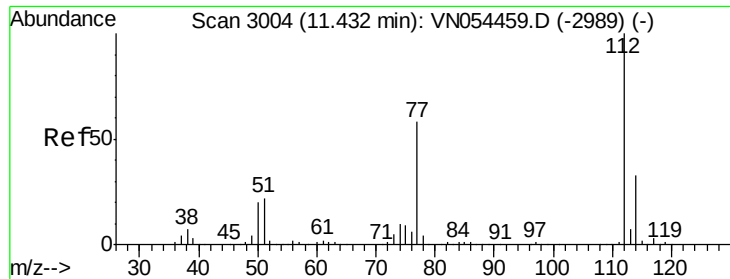
Tot Ion:117 Resp: 750914
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 49.70 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion:164 Resp: 309538
Ion Ratio Lower Upper
164 100
166 128.8 103.9 155.9
129 93.4 71.1 106.7
131 88.5 68.2 102.4

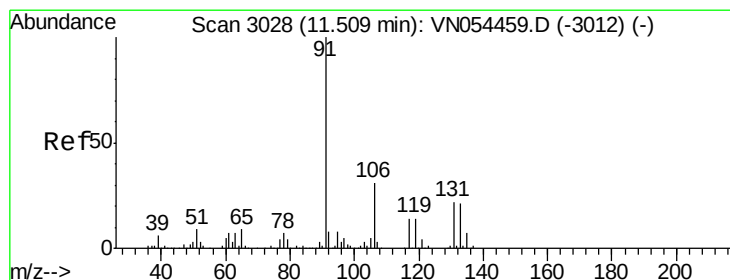
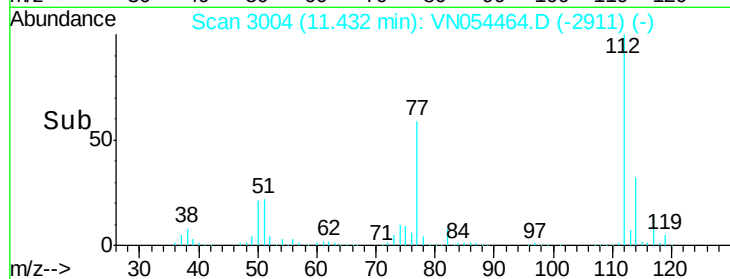
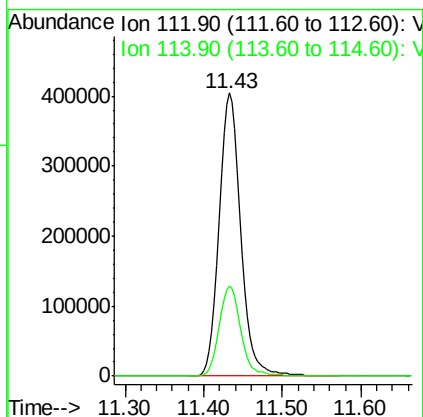
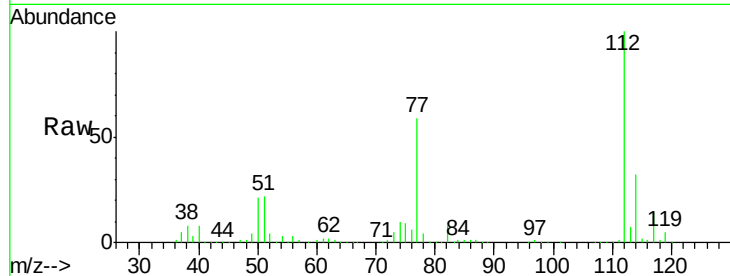




#65
Chlorobenzene
Concen: 50.02 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

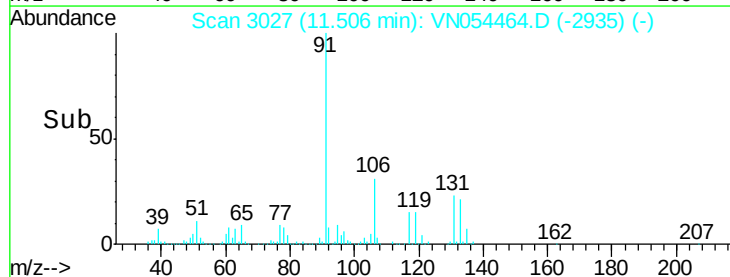
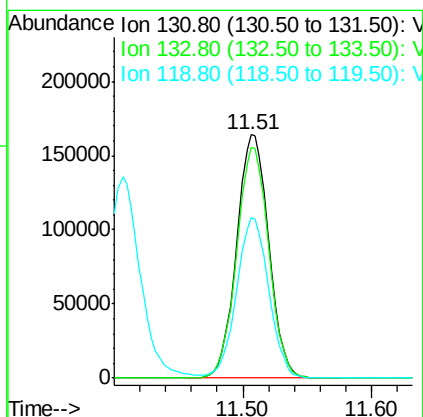
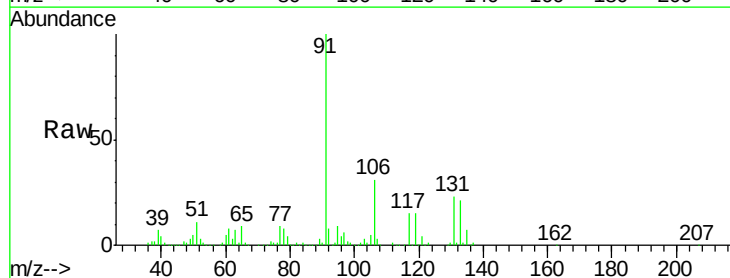
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032019

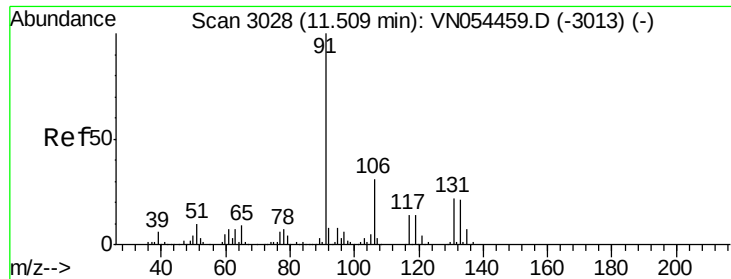
Tot Ion:112 Resp: 763947
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.85 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion:131 Resp: 284213
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 66.0 32.4 97.0

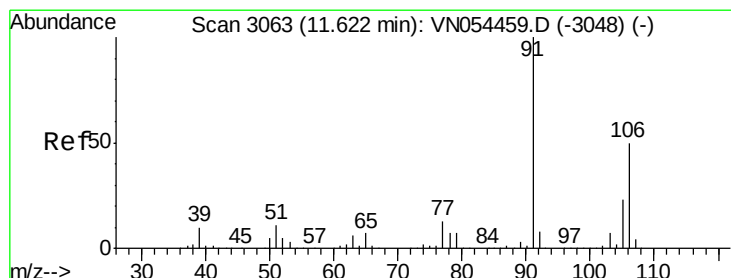
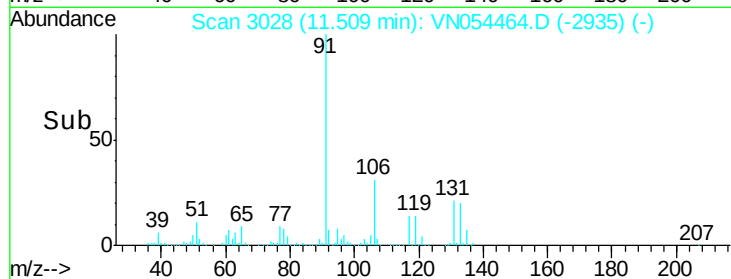
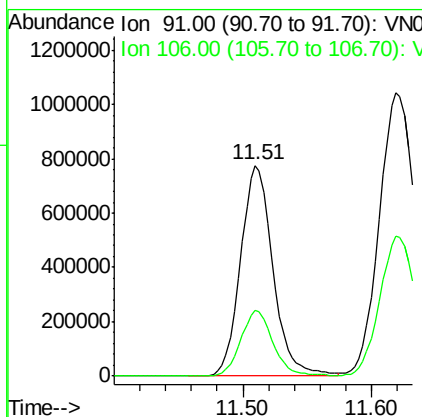
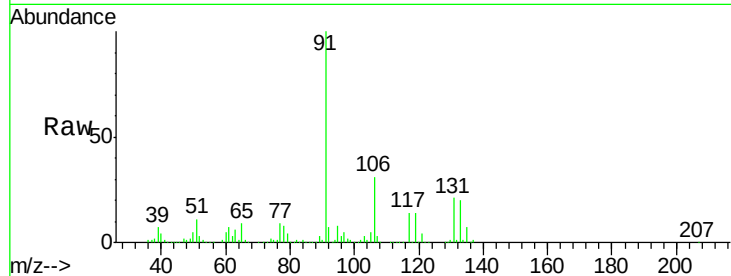




#67
Ethyl Benzene
Concen: 50.40 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

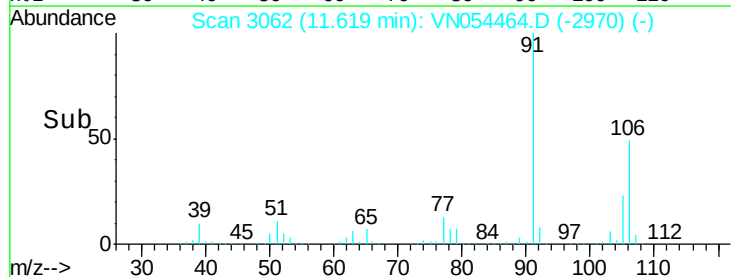
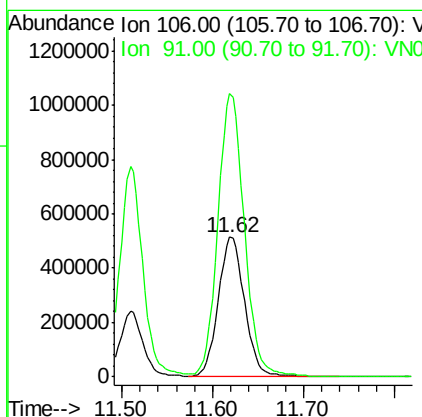
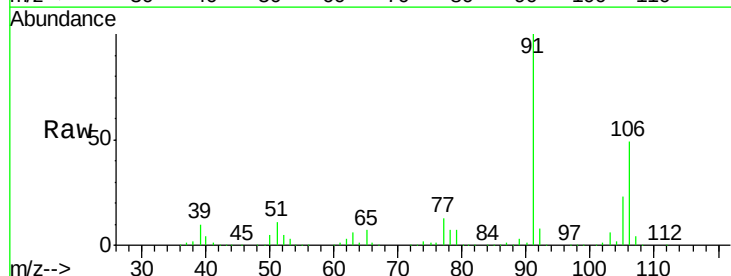
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

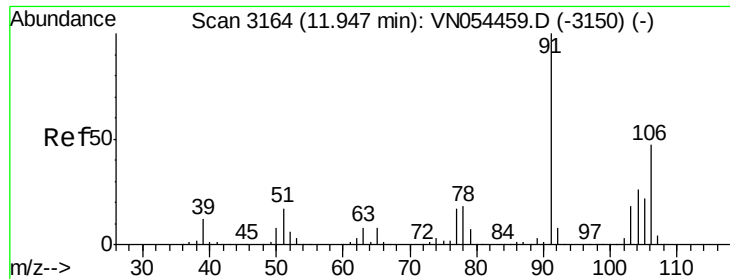
Tot Ion: 91 Resp: 1359799
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 101.72 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 106 Resp: 1039439
Ion Ratio Lower Upper
106 100
91 203.0 159.4 239.2

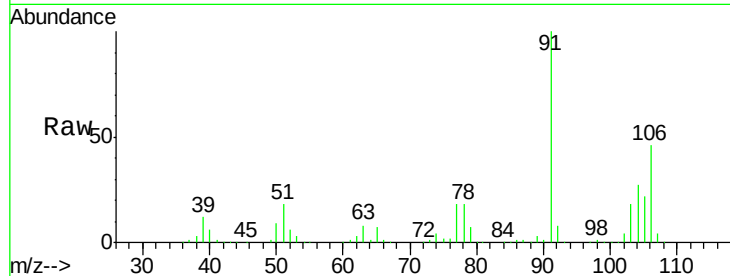




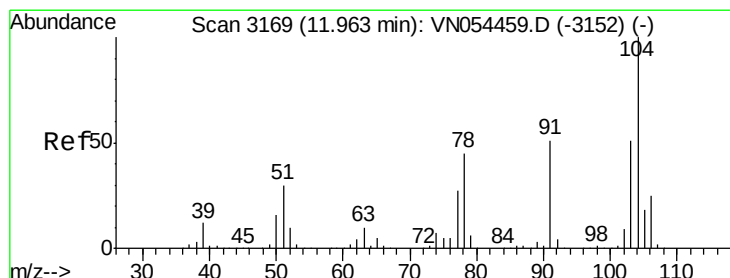
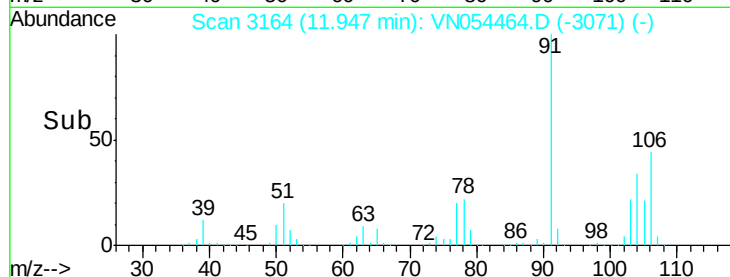
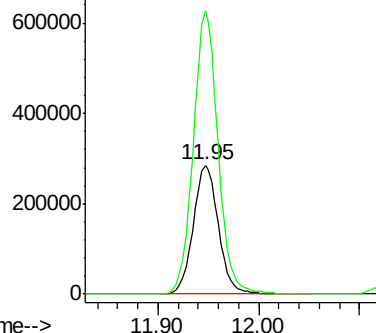
#69
o-Xylene
Concen: 49.74 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Instrument :
MSVOA_N
ClientSampled :
ICVFN032019

Tot Ion:106 Resp: 496360
Ion Ratio Lower Upper
106 100
91 215.6 105.7 317.1

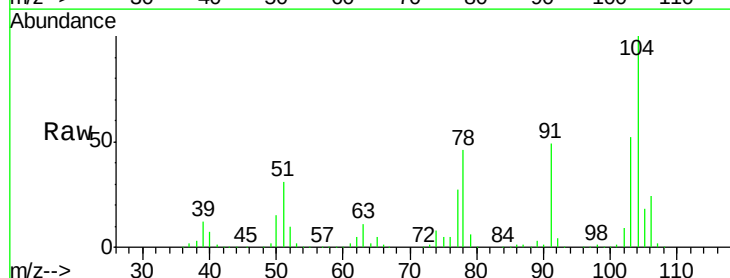


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

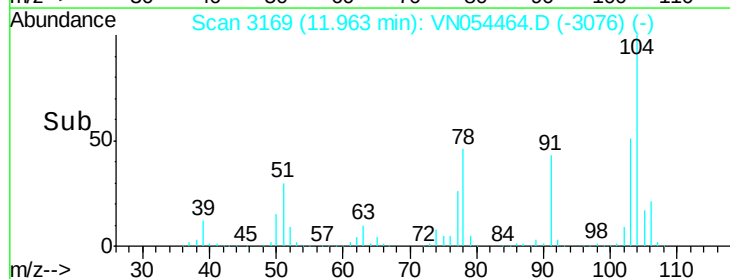
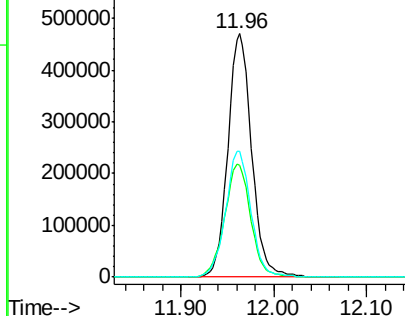


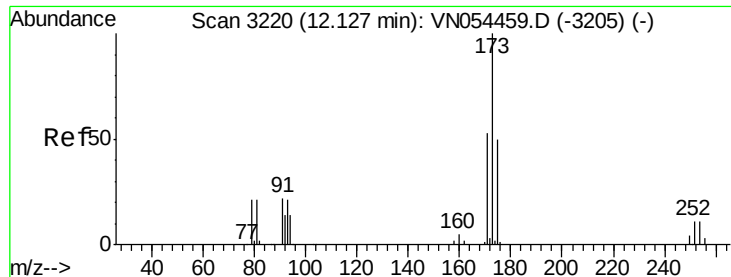
#70
Styrene
Concen: 51.53 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion:104 Resp: 835138
Ion Ratio Lower Upper
104 100
78 51.1 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





#71

Bromoform

Concen: 45.62 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

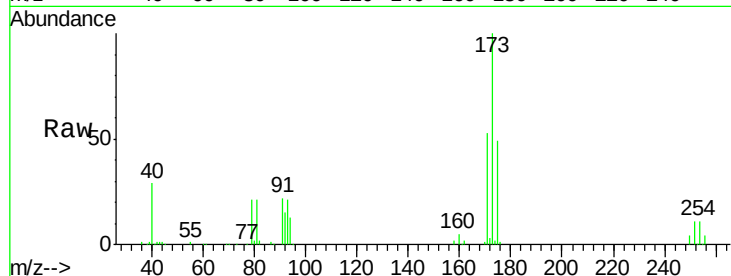
Tot Ion:173 Resp: 171651

Ion Ratio Lower Upper

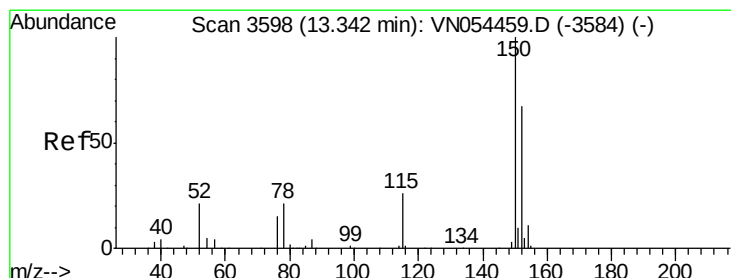
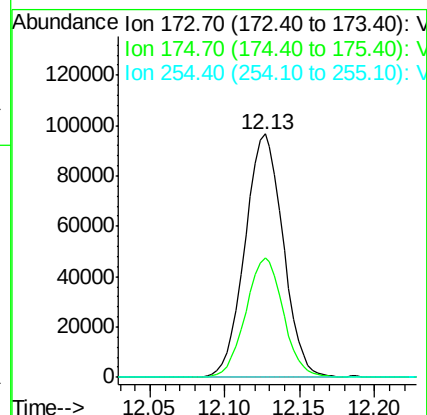
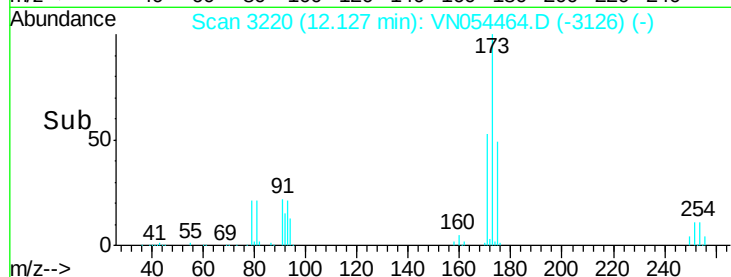
173 100

175 48.4 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

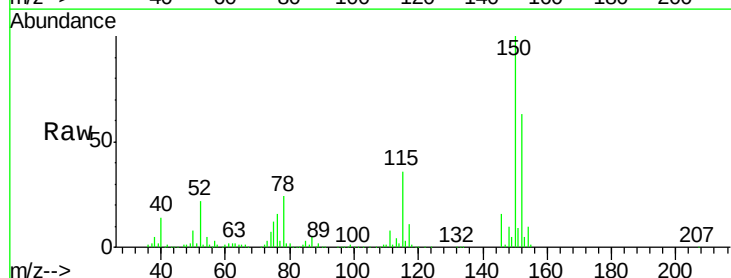
Tgt Ion:152 Resp: 350453

Ion Ratio Lower Upper

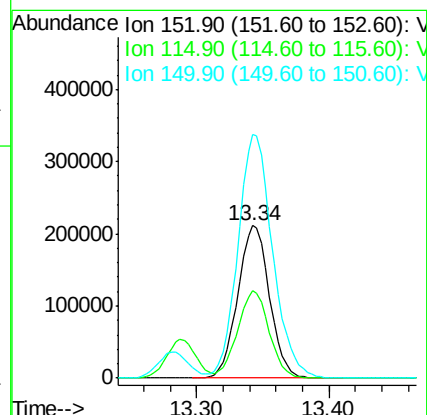
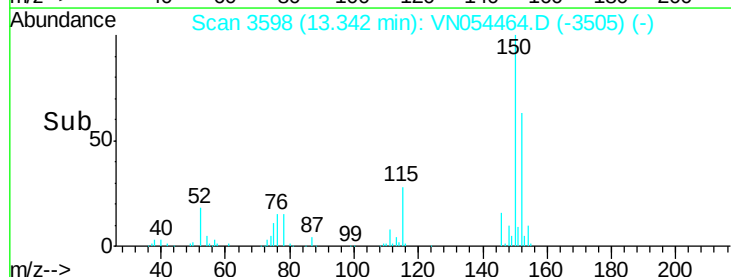
152 100

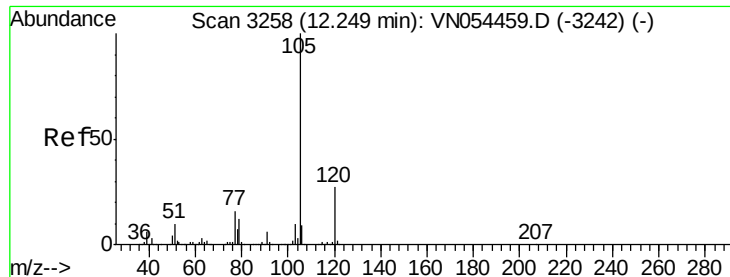
115 57.0 27.2 81.6

150 174.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 47.06 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

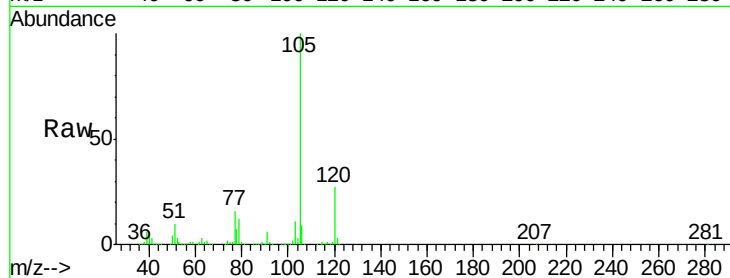
ICVVN032019

Tot Ion:105 Resp: 1329044

Ion Ratio Lower Upper

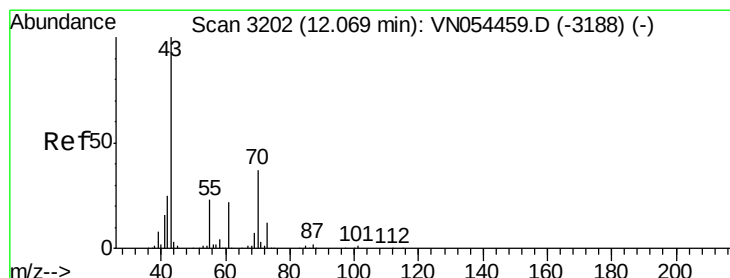
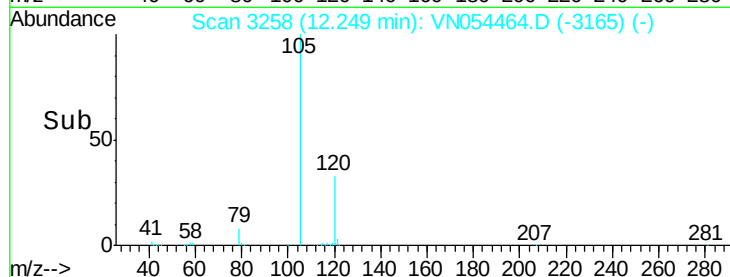
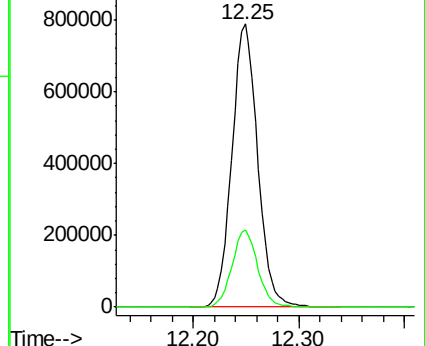
105 100

120 27.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.66 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Tgt Ion: 43 Resp: 386964

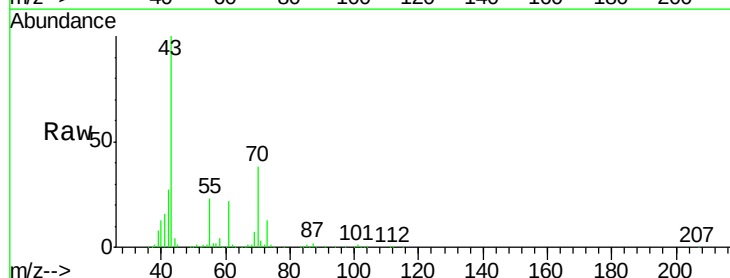
Ion Ratio Lower Upper

43 100

70 38.3 35.4 53.0

55 23.1 19.8 29.6

61 21.9 19.8 29.6

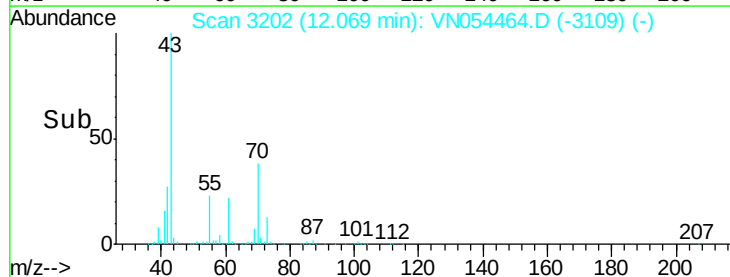
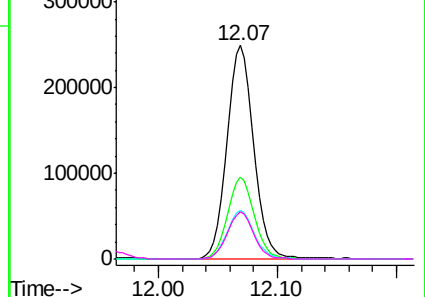


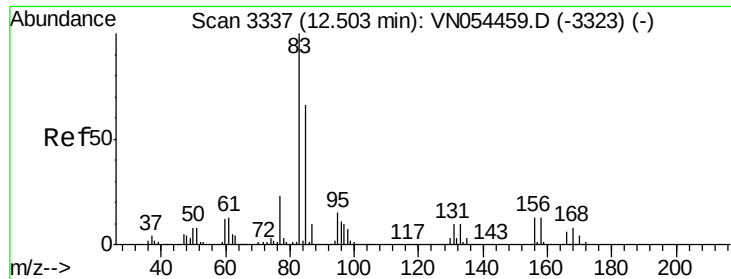
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.24 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

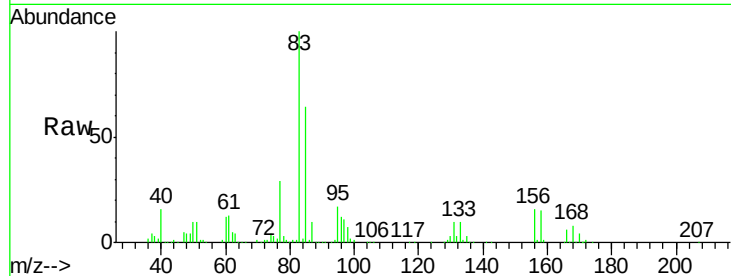
Tot Ion: 83 Resp: 298057

Ion Ratio Lower Upper

83 100

131 10.8 5.8 17.4

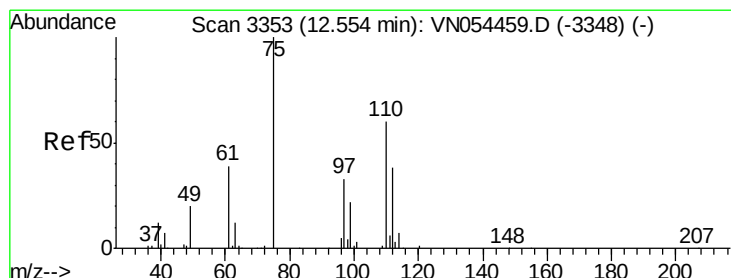
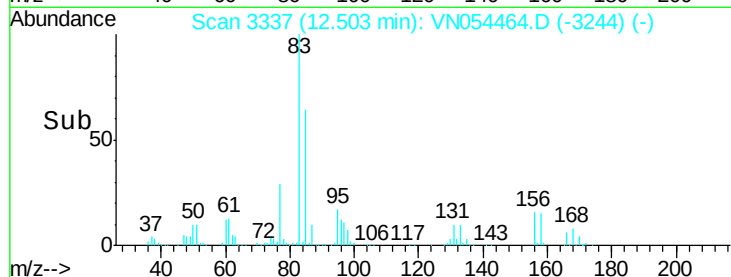
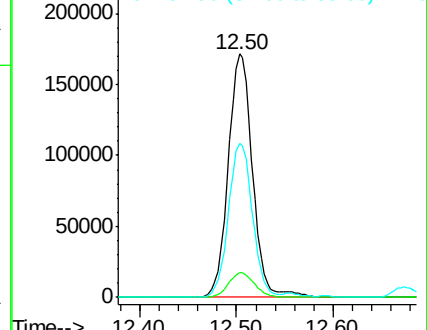
85 62.8 32.2 96.6



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: 64.32 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054464.D

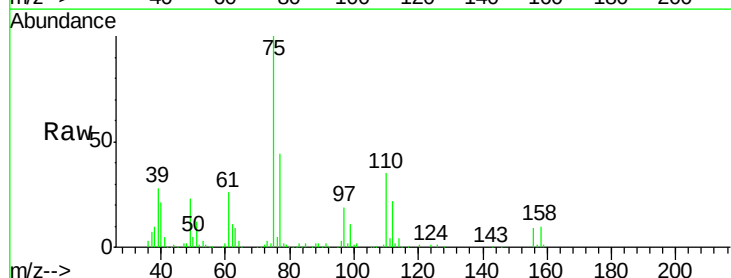
Acq: 20 Mar 2019 14:55

Tgt Ion: 75 Resp: 357698

Ion Ratio Lower Upper

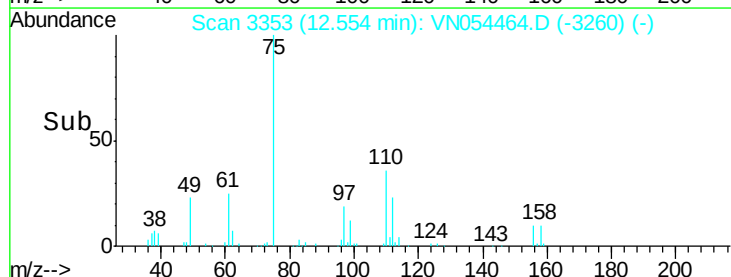
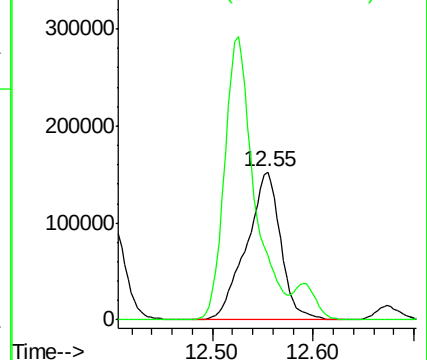
75 100

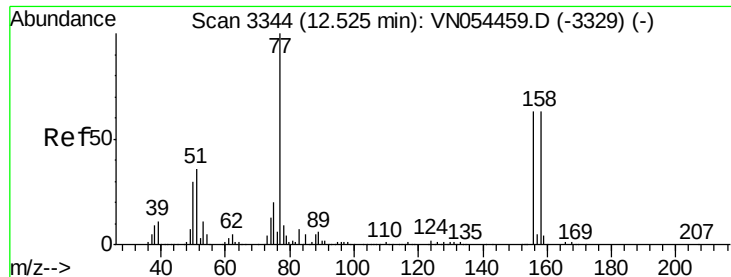
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.40 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

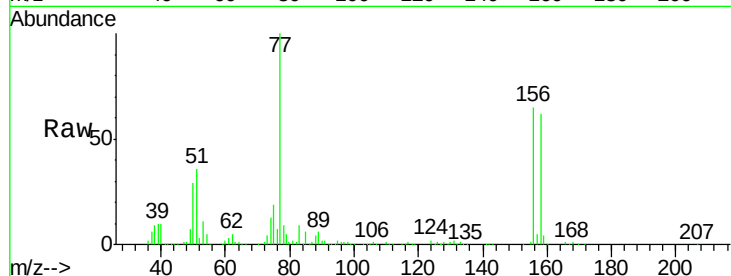
Tot Ion:156 Resp: 331996

Ion Ratio Lower Upper

156 100

77 180.5 81.5 244.4

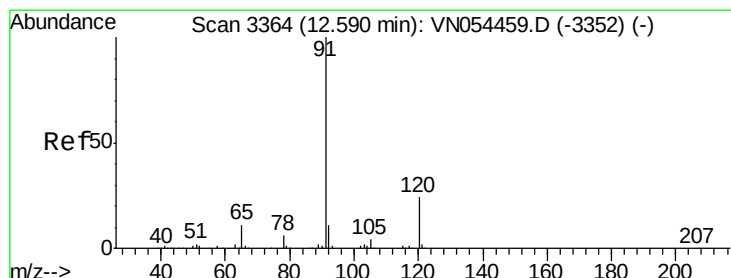
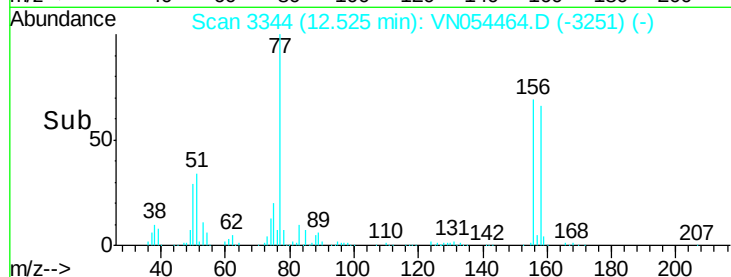
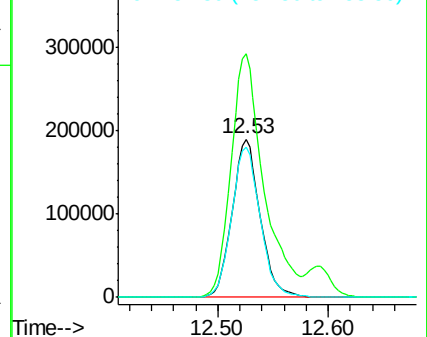
158 97.3 49.0 147.2



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: 48.88 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054464.D

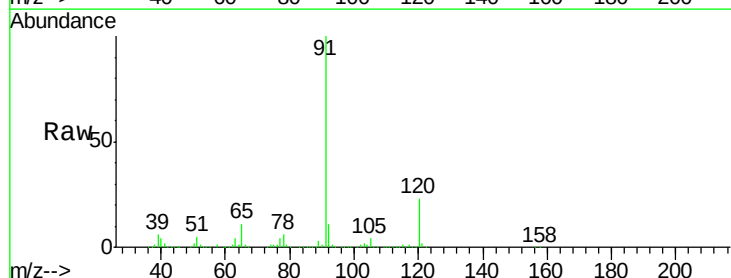
Acq: 20 Mar 2019 14:55

Tgt Ion: 91 Resp: 1496942

Ion Ratio Lower Upper

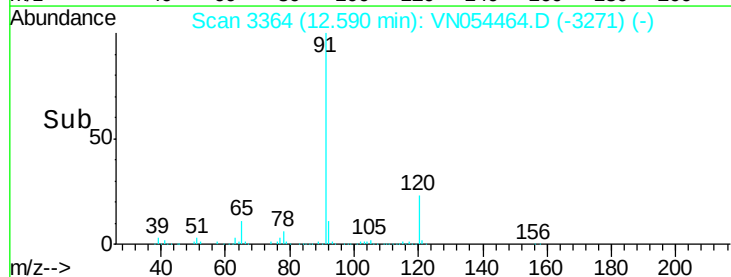
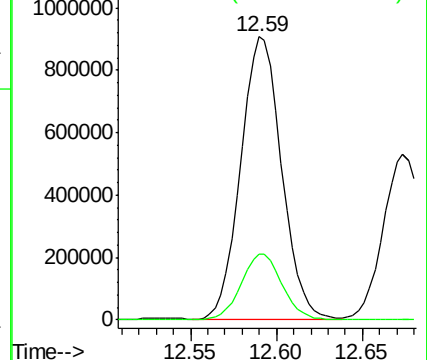
91 100

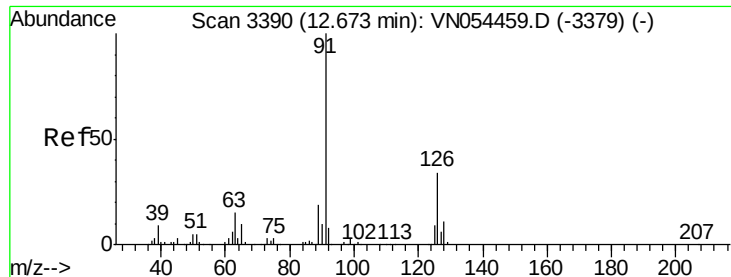
120 23.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.45 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

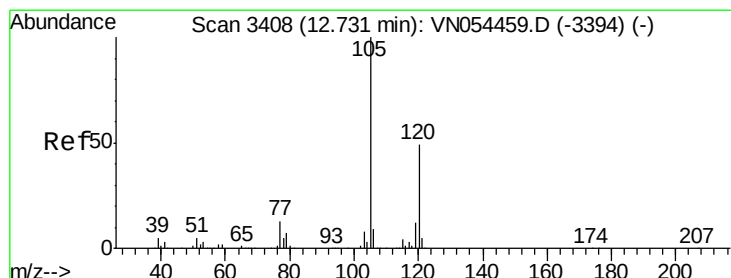
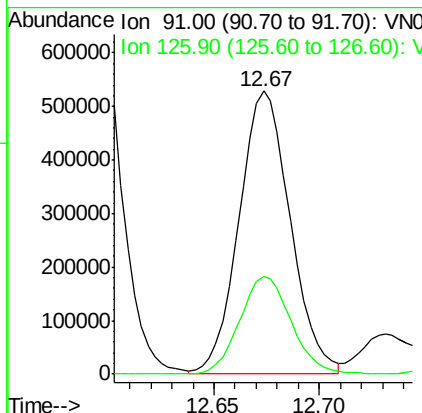
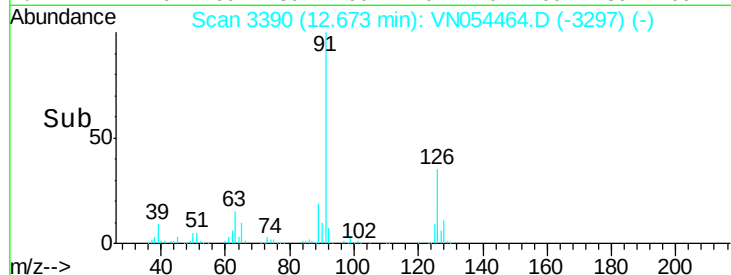
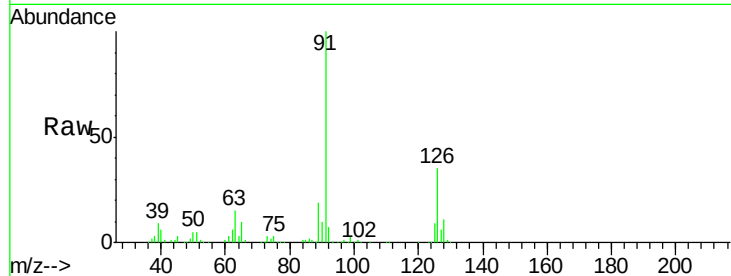
ICVVN032019

Tot Ion: 91 Resp: 886990

Ion Ratio Lower Upper

91 100

126 35.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 48.55 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054464.D

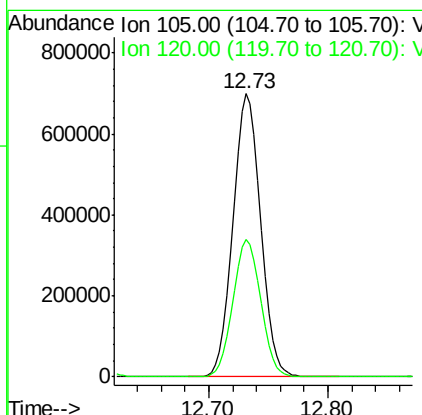
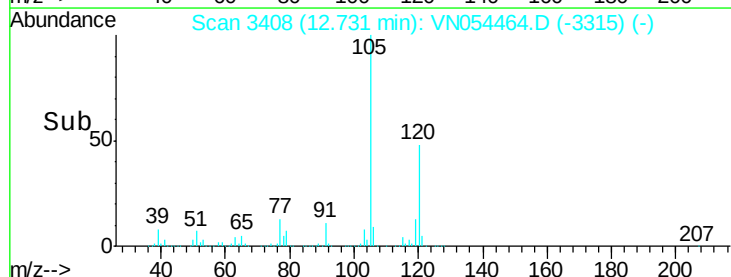
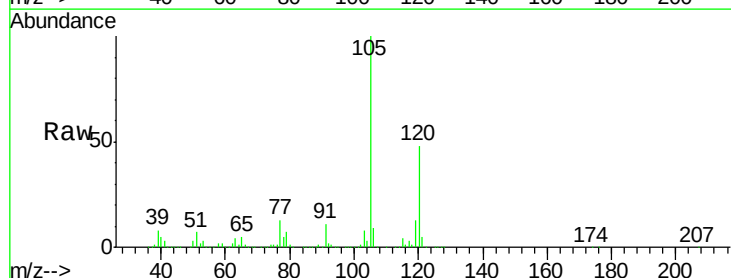
Acq: 20 Mar 2019 14:55

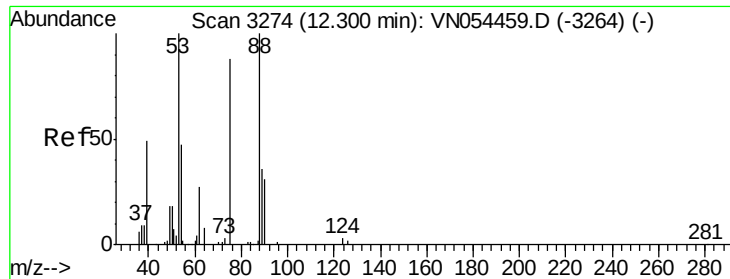
Tgt Ion: 105 Resp: 1123789

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0

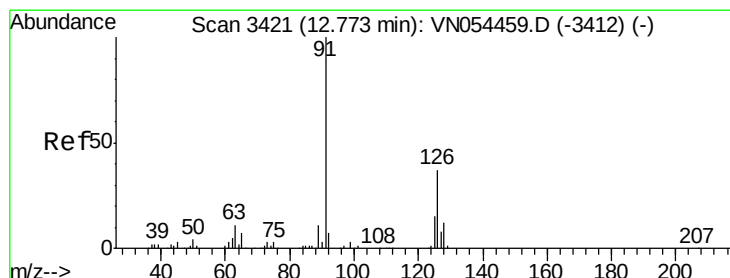
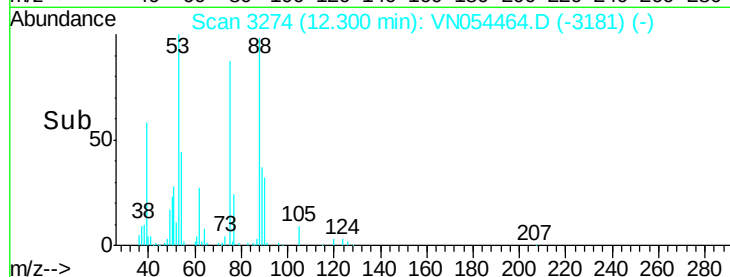
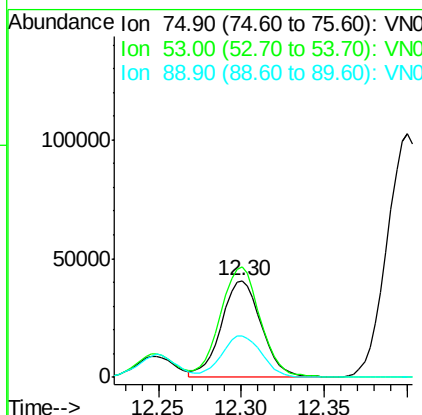
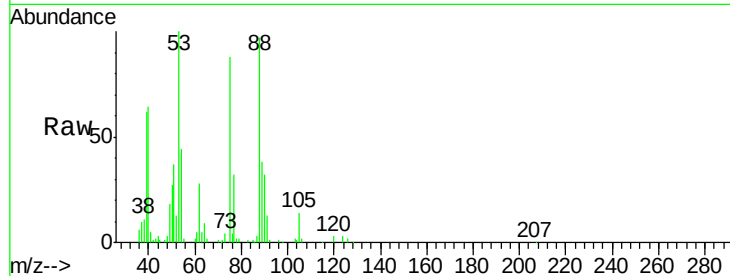




#81
trans-1,4-Dichloro-2-butene
Concen: 42.29 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

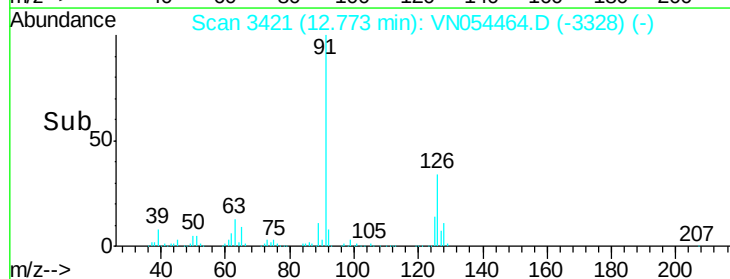
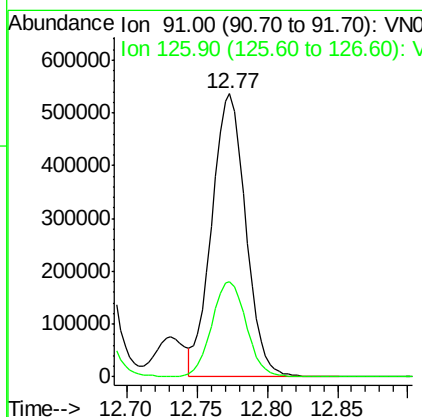
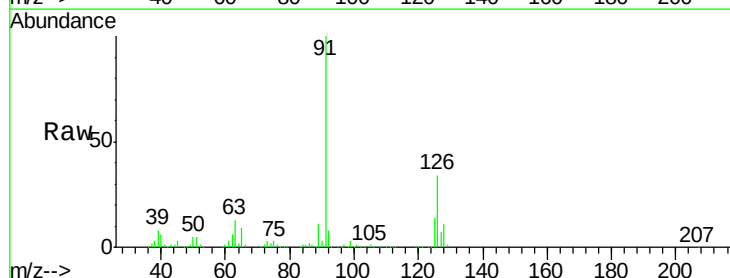
Instrument :
MSVOA_N
ClientSampled :
ICVVN032019

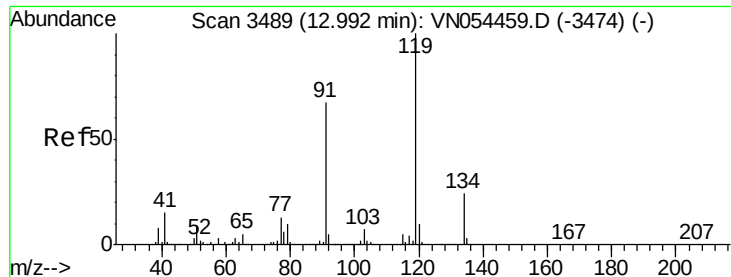
Tot Ion: 75 Resp: 67385
Ion Ratio Lower Upper
75 100
53 116.6 76.2 114.2#
89 43.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 48.44 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054464.D
Acq: 20 Mar 2019 14:55

Tgt Ion: 91 Resp: 896677
Ion Ratio Lower Upper
91 100
126 34.2 18.1 54.1

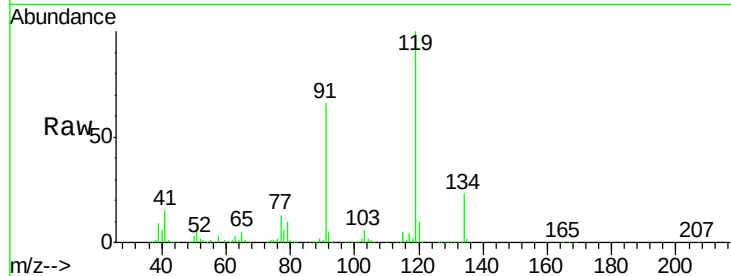




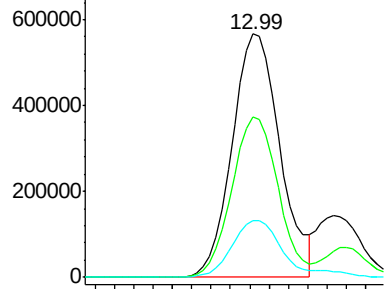
#83
 tert-Butylbenzene
 Concen: 48.31 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

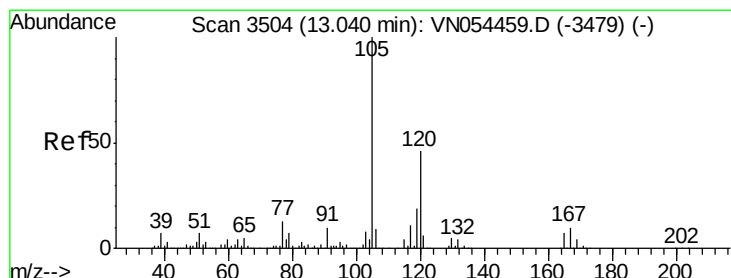
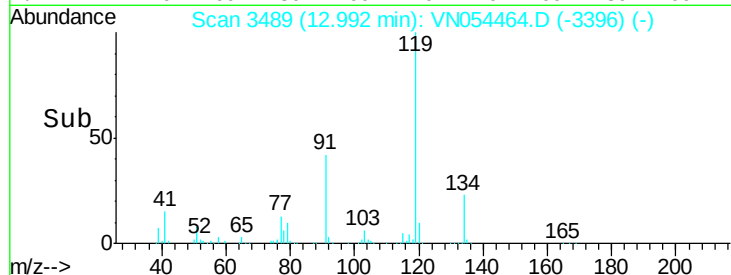
Tot Ion:119 Resp: 973311
 Ion Ratio Lower Upper
 119 100
 91 63.9 30.9 92.8
 134 25.3 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

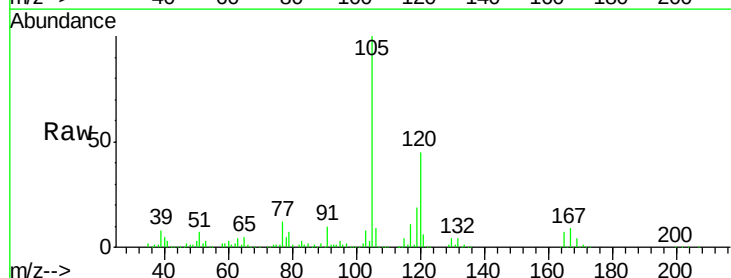


Time-->

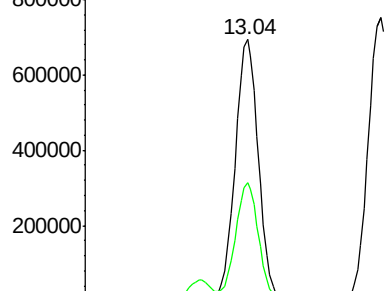


#84
 1,2,4-Trimethylbenzene
 Concen: 49.15 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

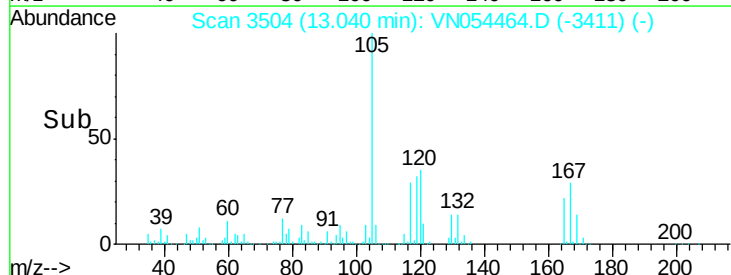
Tgt Ion:105 Resp: 1116324
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.4 70.3

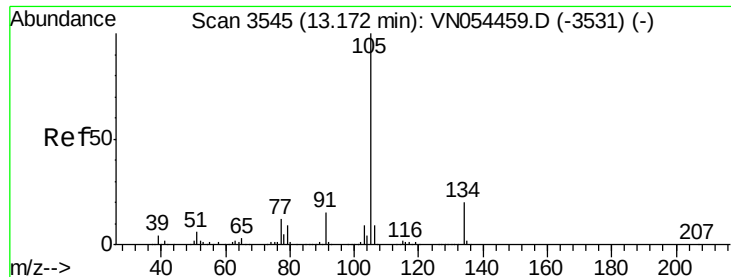


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 49.01 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

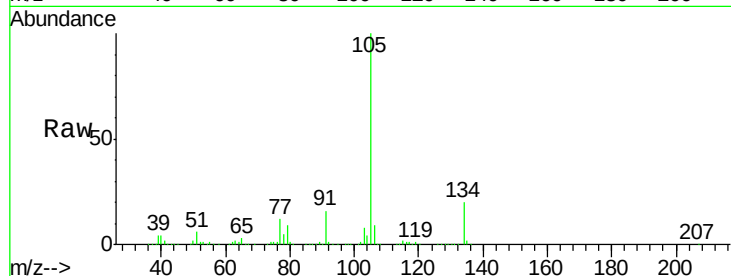
ICVVN032019

Tot Ion:105 Resp: 1230854

Ion Ratio Lower Upper

105 100

134 20.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

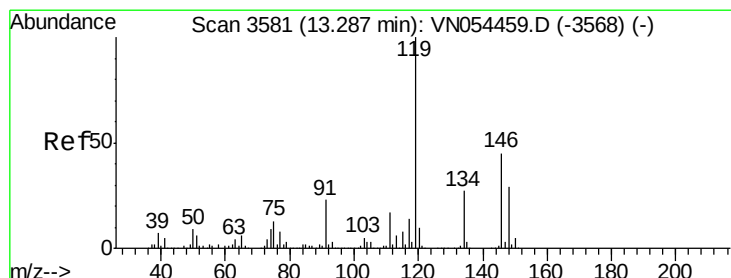
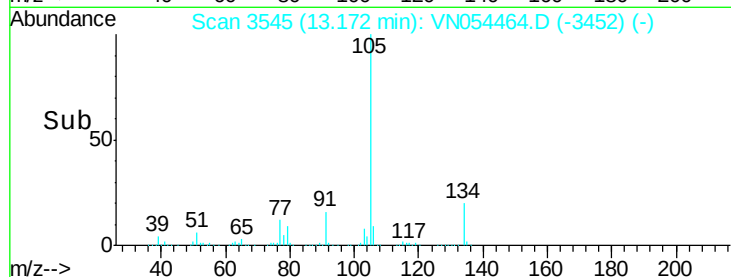
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.71 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

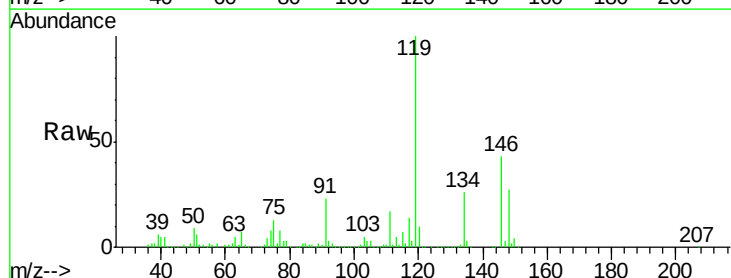
Tgt Ion:119 Resp: 1116877

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.1 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

13.29

1000000

800000

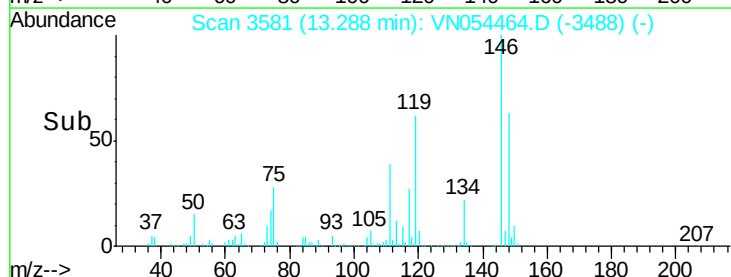
600000

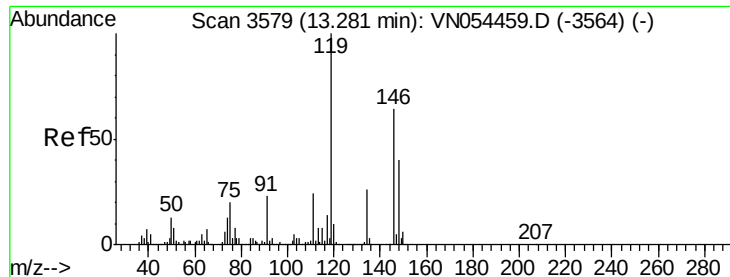
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.25 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

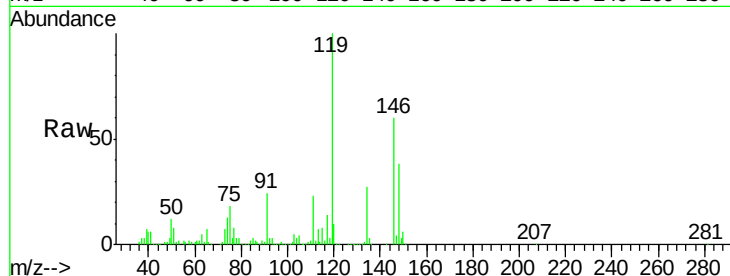
Tot Ion:146 Resp: 571653

Ion Ratio Lower Upper

146 100

111 39.1 18.8 56.3

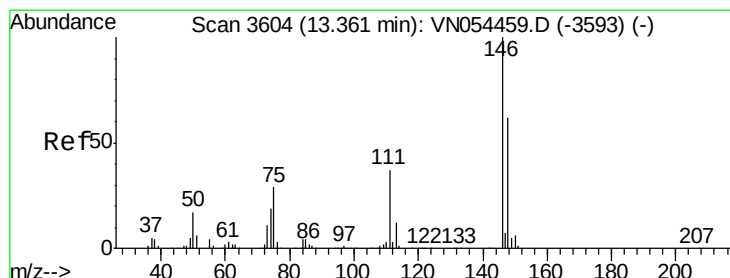
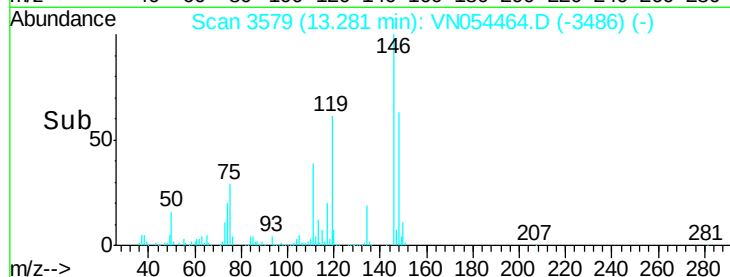
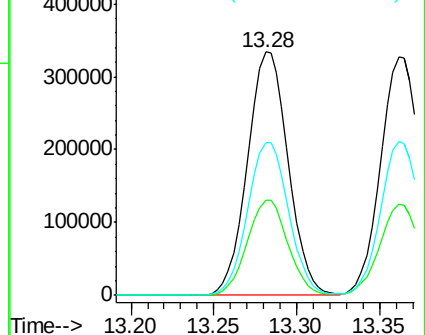
148 63.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.91 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

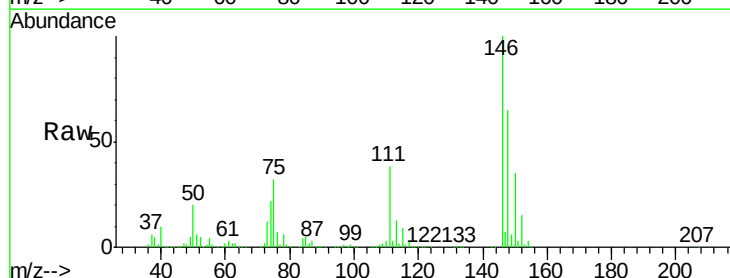
Tgt Ion:146 Resp: 552330

Ion Ratio Lower Upper

146 100

111 38.6 18.1 54.1

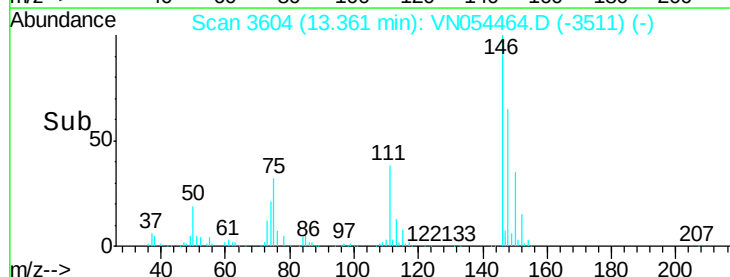
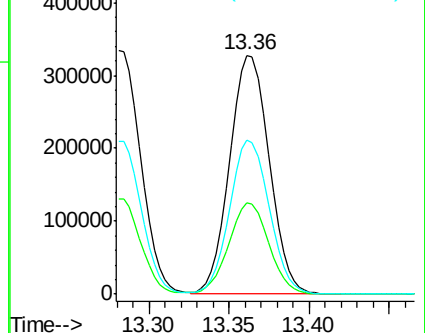
148 64.9 32.0 96.0

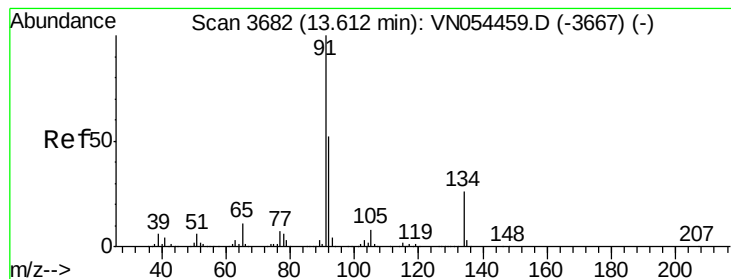


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.54 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

ICVVN032019

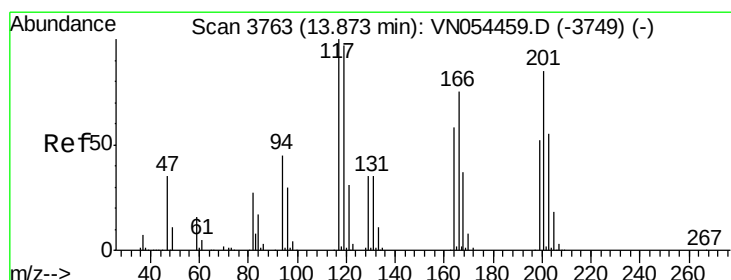
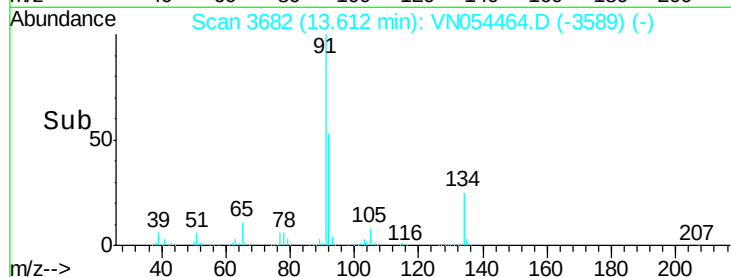
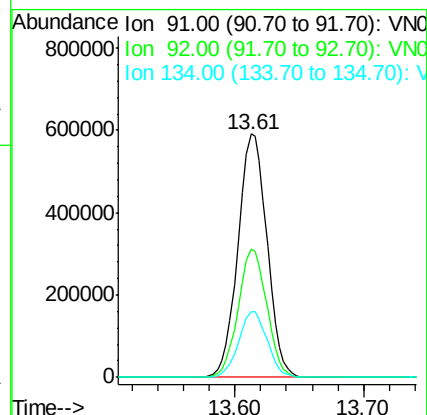
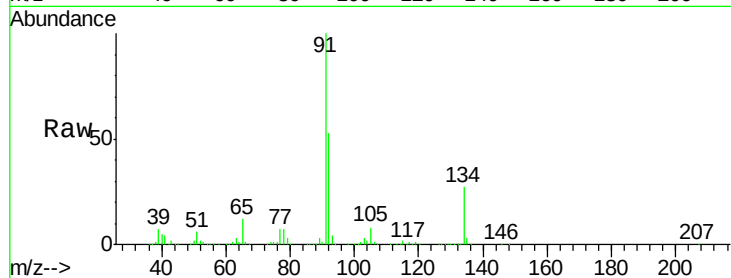
Tot Ion: 91 Resp: 923084

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

134 26.6 14.3 42.9



#90

Hexachloroethane

Concen: 50.85 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054464.D

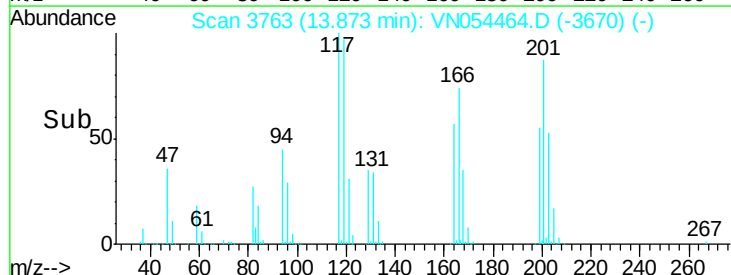
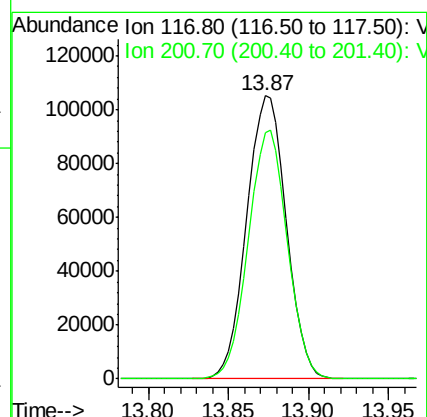
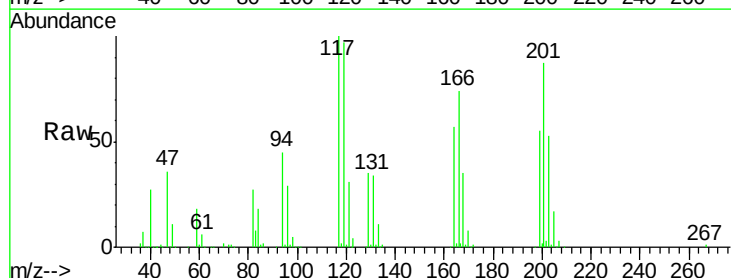
Acq: 20 Mar 2019 14:55

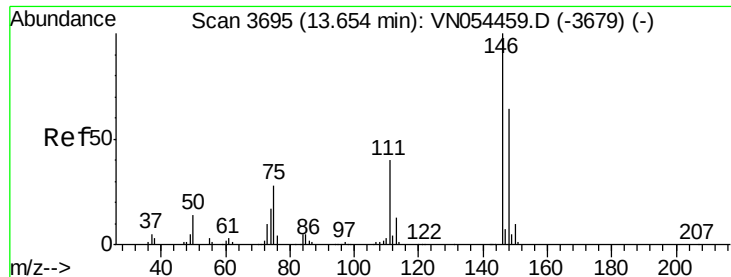
Tgt Ion: 117 Resp: 177364

Ion Ratio Lower Upper

117 100

201 86.6 48.1 144.4

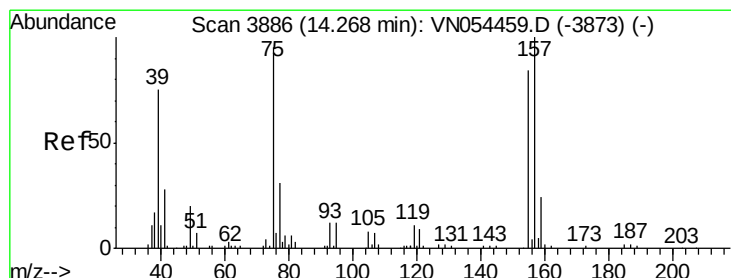
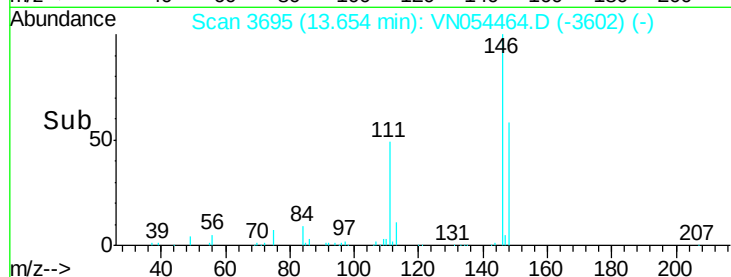
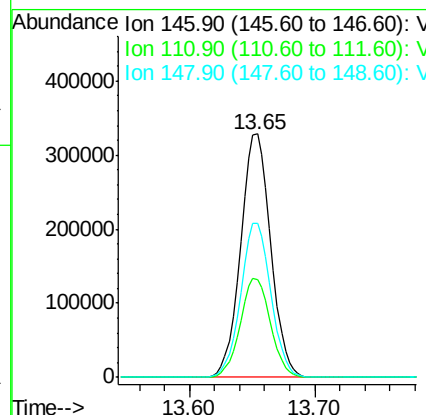
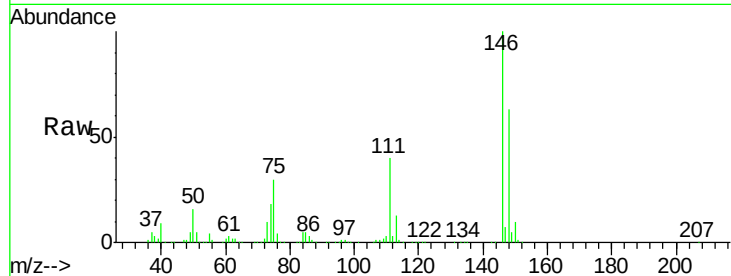




#91
 1,2-Dichlorobenzene
 Concen: 48.58 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

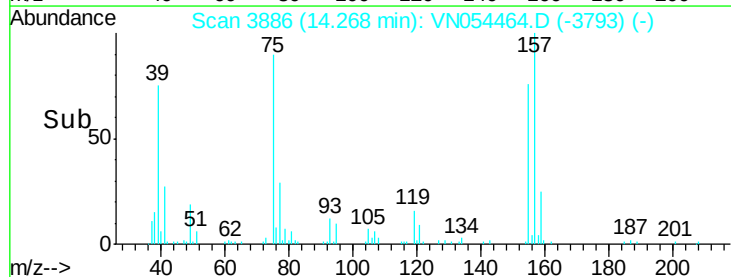
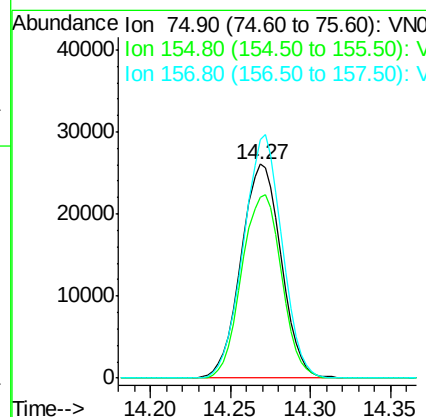
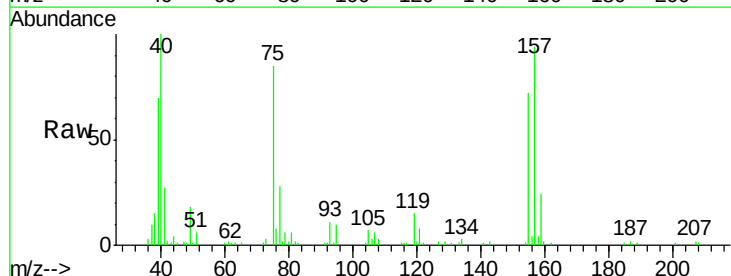
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

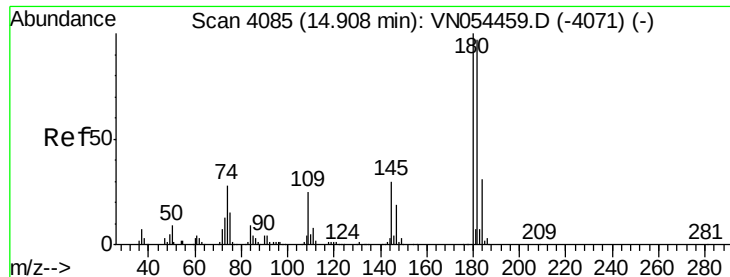
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	63.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.28 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	50.1	150.3
157	109.0	63.1	189.3

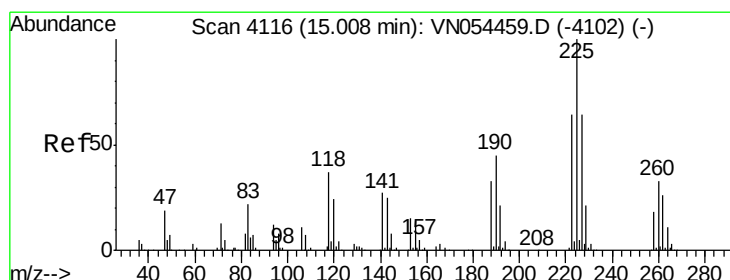
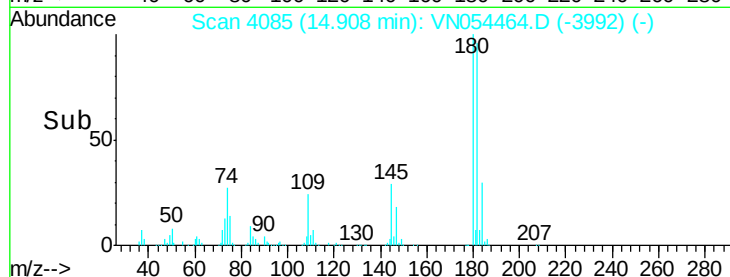
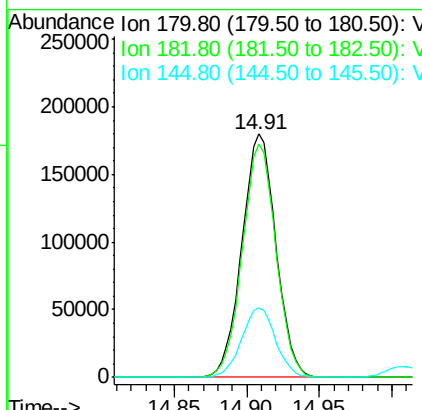
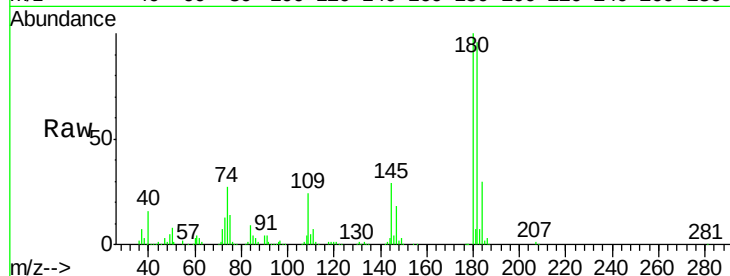




#93
 1,2,4-Trichlorobenzene
 Concen: 52.31 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

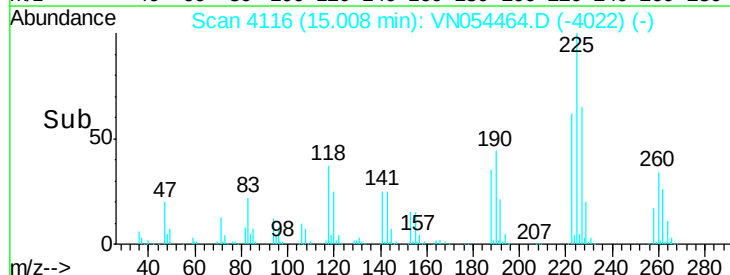
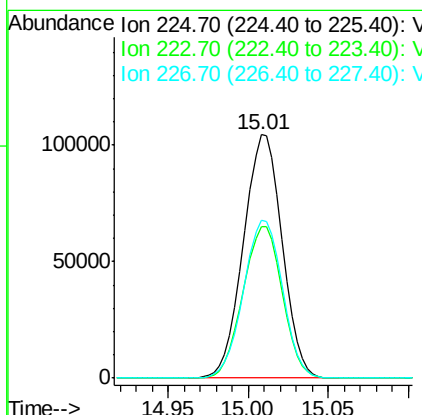
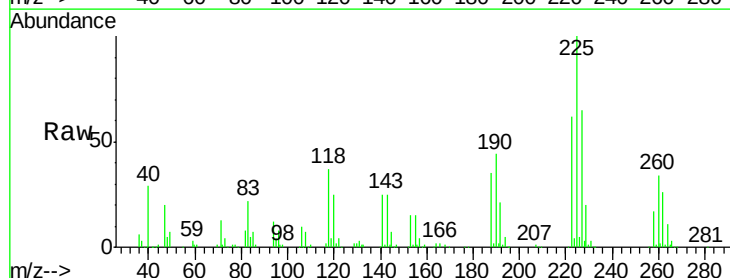
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

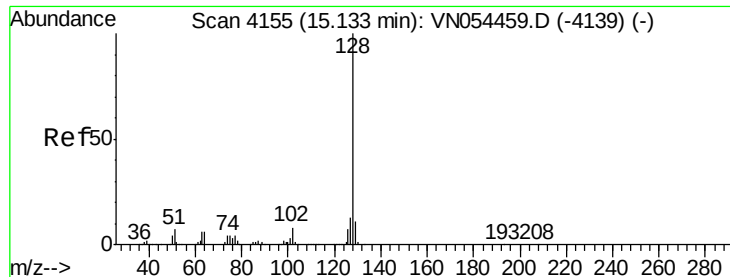
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	28.7	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 55.18 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054464.D
 Acq: 20 Mar 2019 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	65.1	31.9	95.9





#95

Naphthalene

Concen: 48.15 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032019

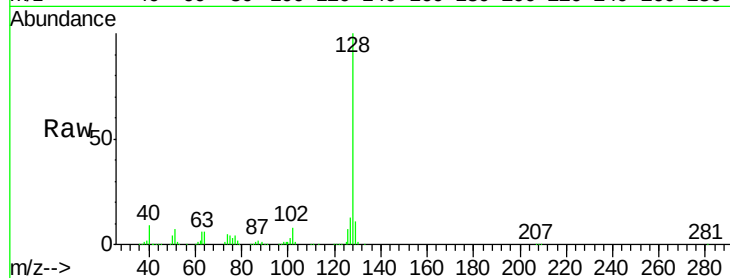
Tot Ion:128 Resp: 601875

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

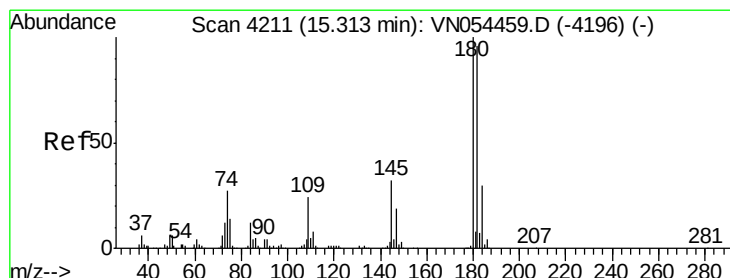
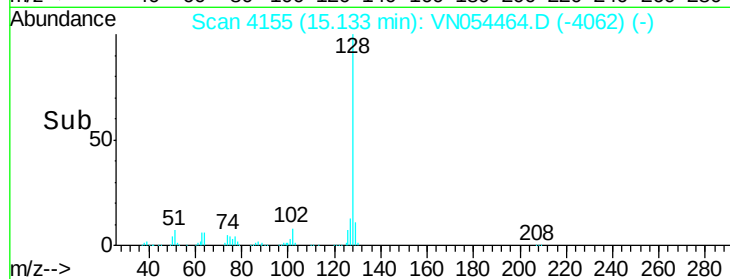
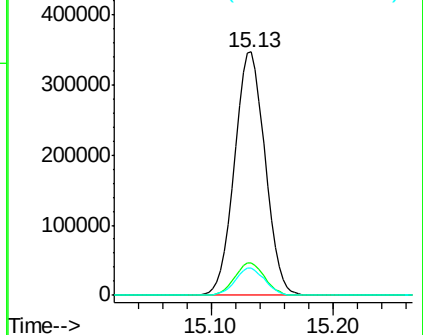
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.34 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054464.D

Acq: 20 Mar 2019 14:55

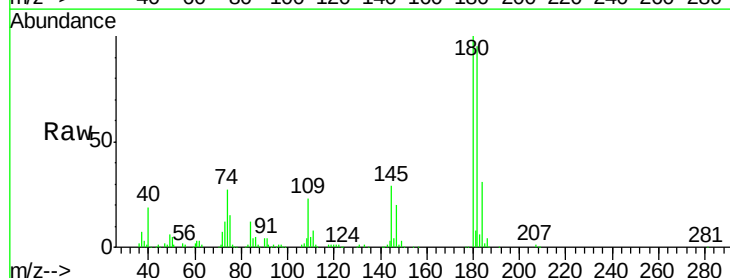
Tgt Ion:180 Resp: 280809

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 30.0 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

