

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054961.D
 Acq On : 5 Apr 2019 9:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:27:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	623521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290759	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	237992	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.09	98	897397	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	311297	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271496	51.464	ug/l	100
3) Chloromethane	2.06	50	327573	46.964	ug/l	99
4) Vinyl Chloride	2.19	62	296445	48.644	ug/l	97
5) Bromomethane	2.57	94	160304	46.082	ug/l	97
6) Chloroethane	2.71	64	159808	47.017	ug/l	97
7) Trichlorofluoromethane	3.03	101	369006	49.870	ug/l	98
8) Diethyl Ether	3.41	74	112109	47.572	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199333	50.846	ug/l	100
10) Methyl Iodide	3.95	142	272113	49.242	ug/l	100
11) Tert butyl alcohol	4.81	59	66402	221.216	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	187786	48.288	ug/l	99
13) Acrolein	3.61	56	105809	232.910	ug/l	99
14) Allyl chloride	4.32	41	434769	50.373	ug/l	100
15) Acrylonitrile	4.99	53	417035	231.684	ug/l	100
16) Acetone	3.82	43	432912	303.459	ug/l	99
17) Carbon Disulfide	4.04	76	625688	50.545	ug/l	100
18) Methyl Acetate	4.33	43	178589	46.924	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	596167	47.263	ug/l	99
20) Methylene Chloride	4.54	84	253381	46.934	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	239977	49.409	ug/l	97
22) Diisopropyl ether	5.96	45	880027	49.646	ug/l	100
23) Vinyl Acetate	5.90	43	3056129	247.768	ug/l	100
24) 1,1-Dichloroethane	5.85	63	471293	48.755	ug/l	99
25) 2-Butanone	6.84	43	556414	254.747	ug/l	100
26) 2,2-Dichloropropane	6.82	77	343937	50.755	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	273627	49.664	ug/l	98
28) Bromochloromethane	7.19	49	210757	46.540	ug/l	99
29) Tetrahydrofuran	7.22	42	331357	231.455	ug/l	99
30) Chloroform	7.37	83	451837	49.321	ug/l	99
31) Cyclohexane	7.65	56	464325	50.737	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	372017	48.122	ug/l	99
36) 1,1-Dichloropropene	7.79	75	354784	51.140	ug/l	99
37) Ethyl Acetate	6.93	43	232182	48.769	ug/l	99
38) Carbon Tetrachloride	7.77	117	328661	49.055	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	411456	53.910	ug/l	99
40) Benzene	8.04	78	1021557	51.174	ug/l	99
41) Methacrylonitrile	7.18	41	139107	51.100	ug/l	97
42) 1,2-Dichloroethane	8.12	62	351168	50.061	ug/l	100
43) Isopropyl Acetate	8.17	43	394438	49.159	ug/l	100
44) Trichloroethene	8.83	130	267454	52.399	ug/l	99
45) 1,2-Dichloropropane	9.12	63	284029	51.065	ug/l	99
46) Dibromomethane	9.21	93	160005	50.729	ug/l	98
47) Bromodichloromethane	9.40	83	342807	51.746	ug/l	99
48) Methyl methacrylate	9.20	41	200604	49.387	ug/l	99
49) 1,4-Dioxane	9.20	88	40478	987.320	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1100085	245.765	ug/l	100
52) Toluene	10.15	92	616002	52.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	331107	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	406466	54.513	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215341	50.476	ug/l	98
56) Ethyl methacrylate	10.43	69	279834	50.169	ug/l	98
57) 1,3-Dichloropropane	10.71	76	376802	50.573	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573962	232.374	ug/l	99
59) 2-Hexanone	10.75	43	726506	259.849	ug/l	100
60) Dibromochloromethane	10.90	129	232893	52.118	ug/l	99
61) 1,2-Dibromoethane	11.00	107	206545	51.492	ug/l	100
64) Tetrachloroethene	10.63	164	261134	51.928	ug/l	99
65) Chlorobenzene	11.43	112	646205	50.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240173	51.614	ug/l	99
67) Ethyl Benzene	11.51	91	1187758	51.833	ug/l	100
68) m/p-Xylenes	11.62	106	884801	105.624	ug/l	99
69) o-Xylene	11.95	106	422902	51.757	ug/l	100
70) Styrene	11.96	104	715958	54.628	ug/l	99
71) Bromoform	12.13	173	141818	50.705	ug/l #	98
73) Isopropylbenzene	12.25	105	1143559	47.536	ug/l	100
74) N-amyl acetate	12.07	43	324579	48.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255748	48.709	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	309476	72.260	ug/l #	100
77) Bromobenzene	12.53	156	278340	47.776	ug/l	98
78) n-propylbenzene	12.59	91	1319771	49.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	779689	47.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	966069	48.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62733	50.884	ug/l	94
82) 4-Chlorotoluene	12.77	91	781879	50.325	ug/l	99
83) tert-Butylbenzene	12.99	119	811108	48.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	957228	50.077	ug/l	99
85) sec-Butylbenzene	13.17	105	1067190	49.092	ug/l	99
86) p-Isopropyltoluene	13.29	119	967693	51.664	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	485590	50.107	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	467650	50.689	ug/l	99
89) n-Butylbenzene	13.61	91	834384	55.741	ug/l	99
90) Hexachloroethane	13.87	117	157775	50.146	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	469087	49.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37404	45.423	ug/l	100

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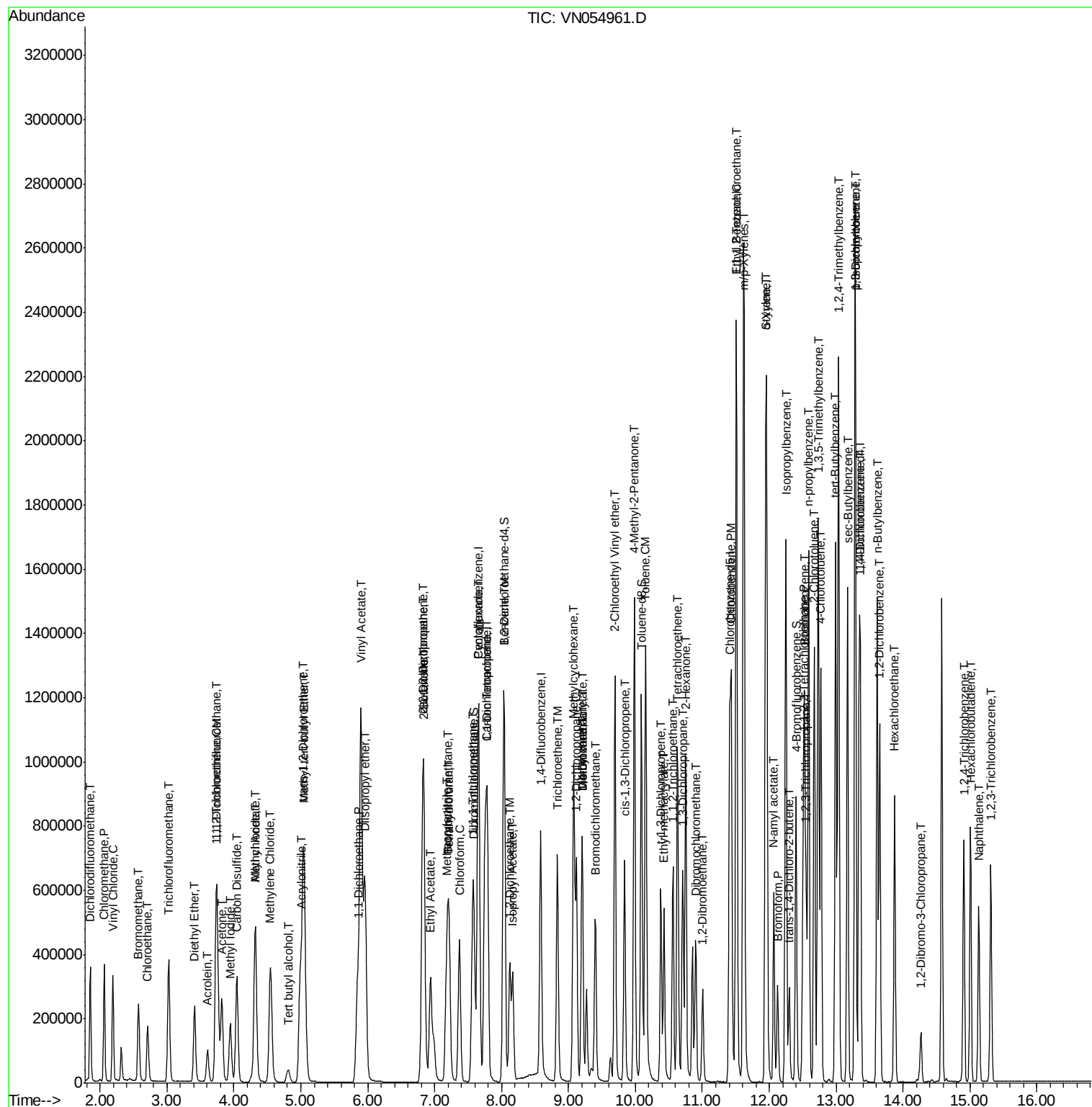
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	242101	48.779	ug/l	100
94) Hexachlorobutadiene	15.01	225	159617	50.143	ug/l	99
95) Naphthalene	15.13	128	470294	43.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	229179	52.451	ug/l	99

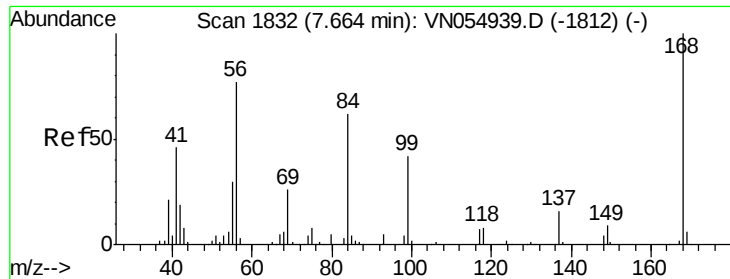
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

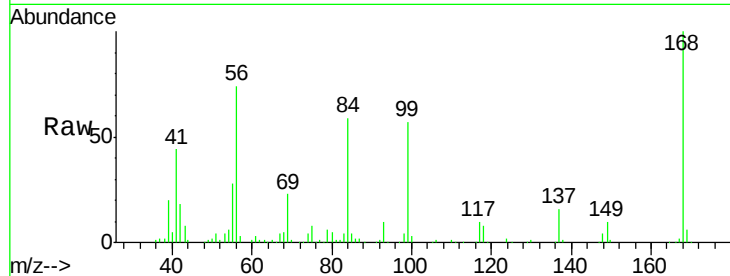
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 441178

Ion Ratio Lower Upper

168 100

99 55.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

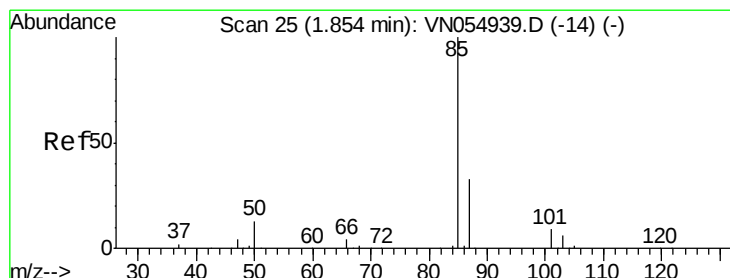
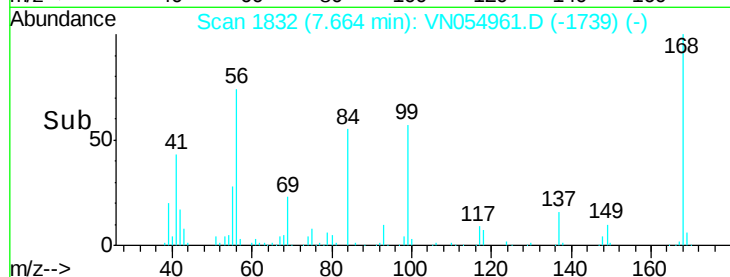
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.464 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054961.D

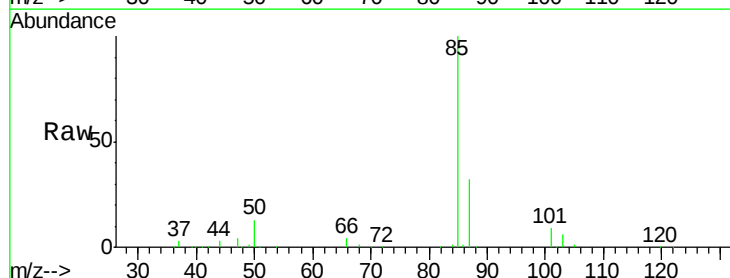
Acq: 5 Apr 2019 9:02

Tgt Ion: 85 Resp: 271496

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

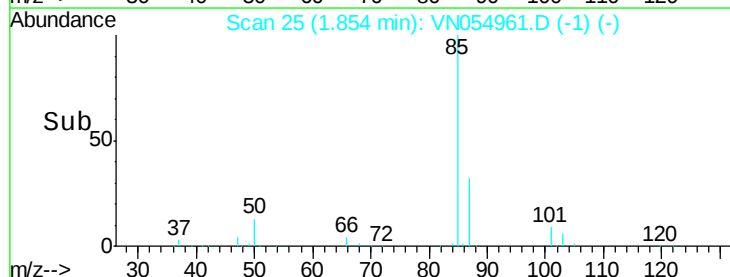
150000

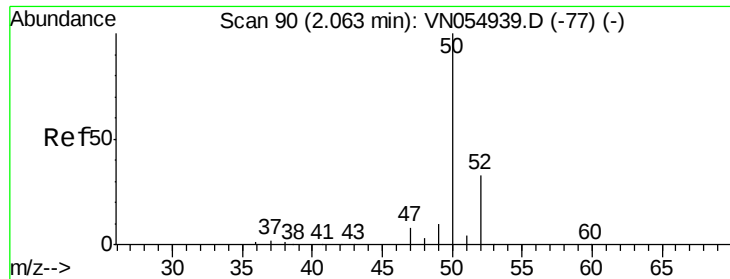
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.964 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

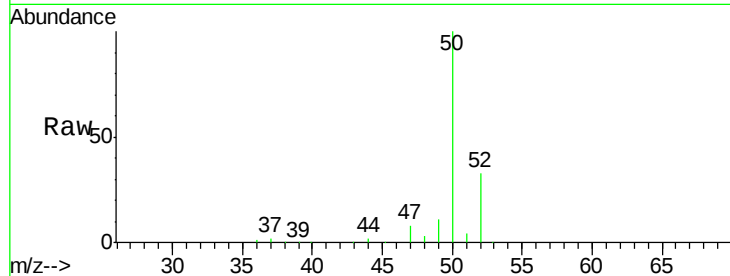
ClientSampled :

Tot Ion: 50 Resp: 327573

Ion Ratio Lower Upper

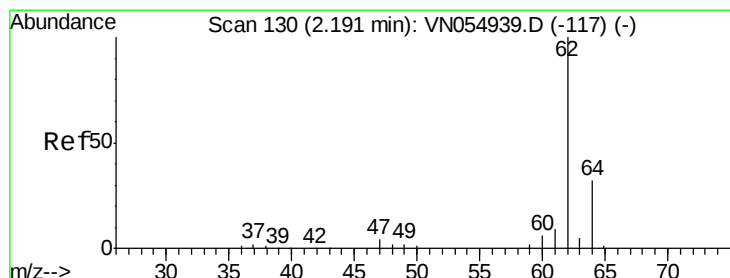
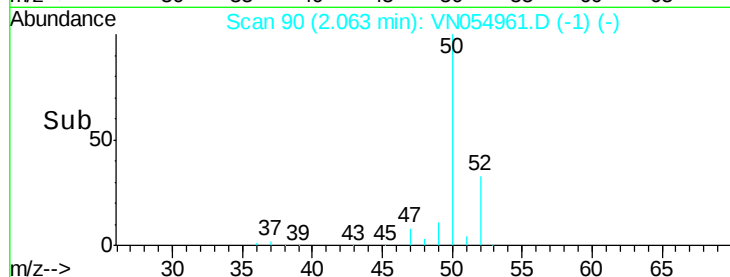
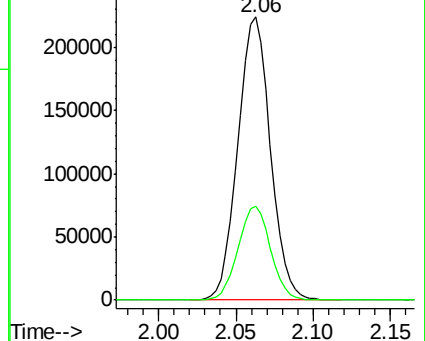
50 100

52 33.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.644 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054961.D

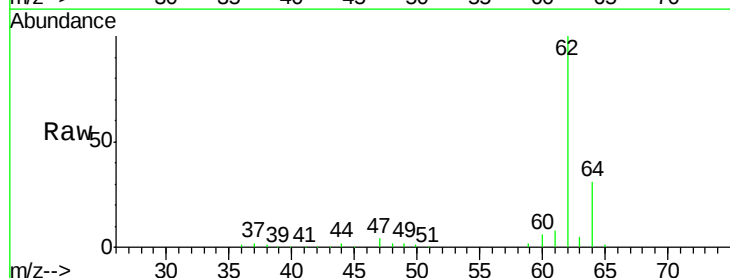
Acq: 5 Apr 2019 9:02

Tgt Ion: 62 Resp: 296445

Ion Ratio Lower Upper

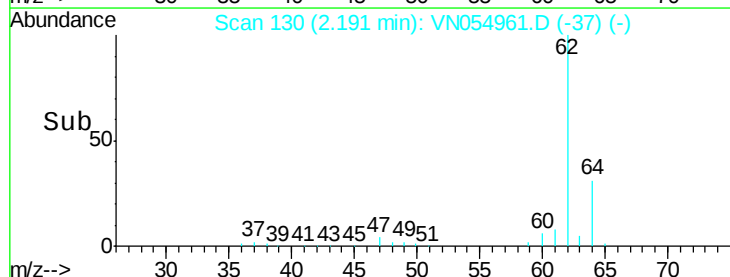
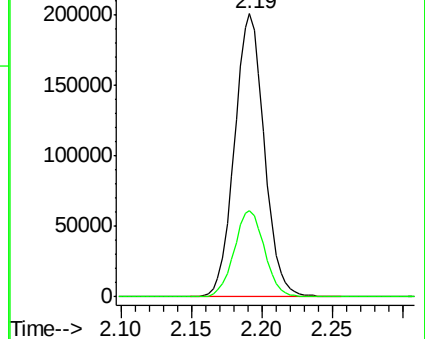
62 100

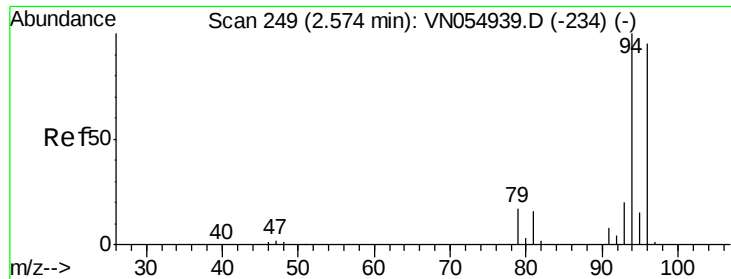
64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.082 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

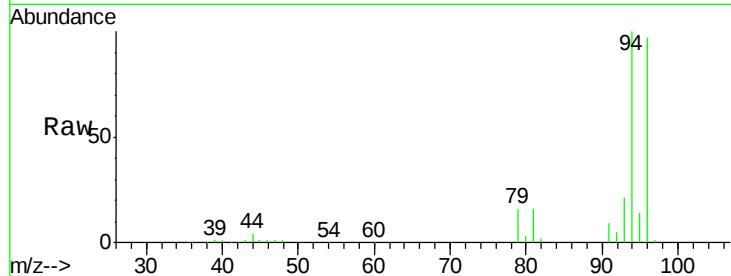
ClientSampled :

Tot Ion: 94 Resp: 160304

Ion Ratio Lower Upper

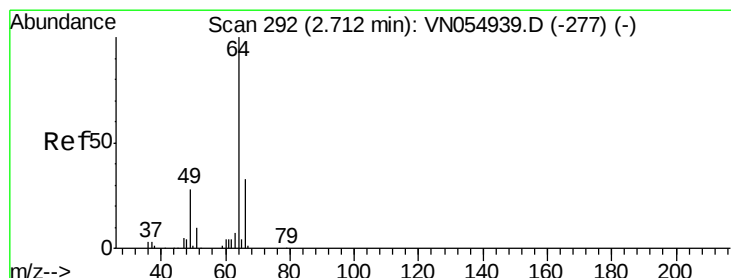
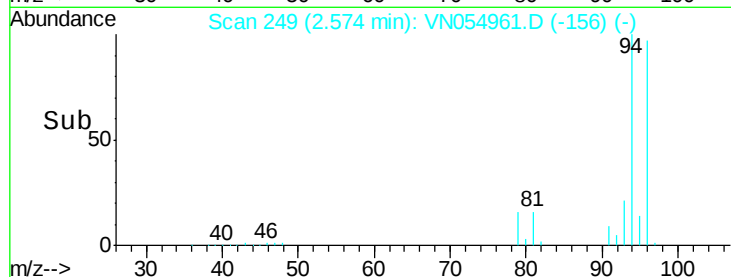
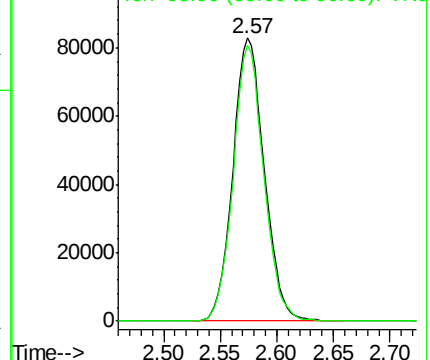
94 100

96 97.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.017 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054961.D

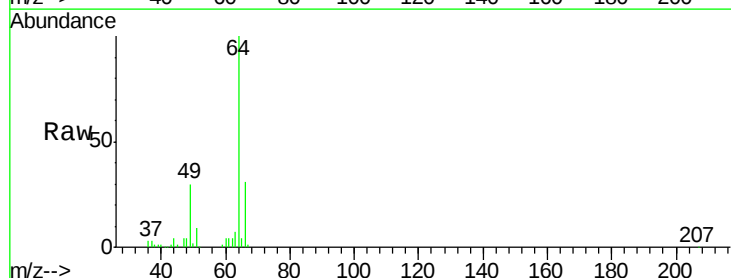
Acq: 5 Apr 2019 9:02

Tgt Ion: 64 Resp: 159808

Ion Ratio Lower Upper

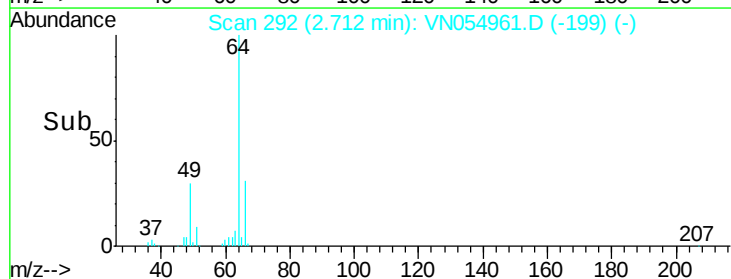
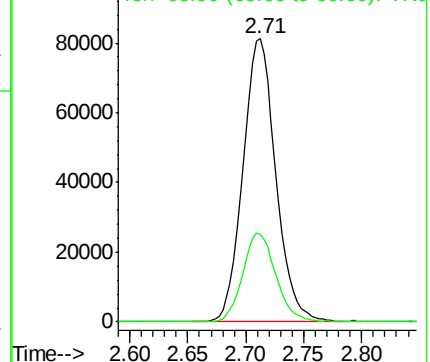
64 100

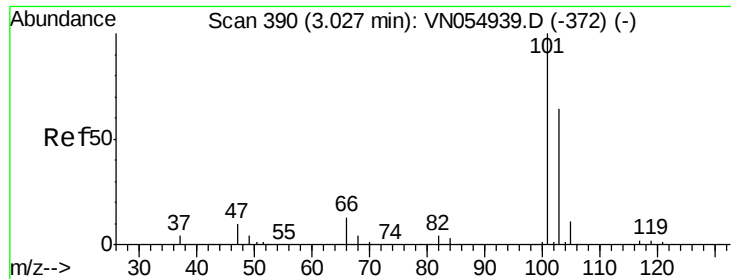
66 30.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



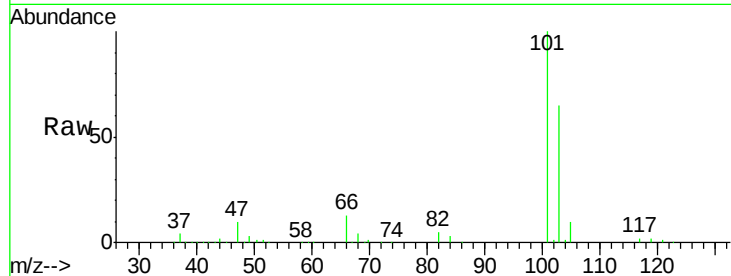


#7

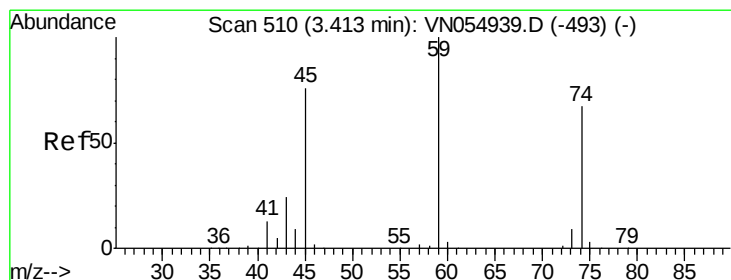
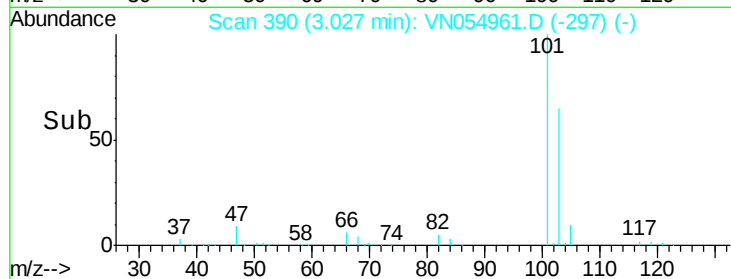
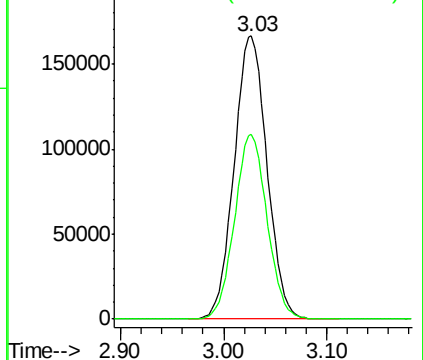
Trichlorofluoromethane
Concen: 49.870 ug/l
RT: 3.03 min Scan# 390
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 369006
Ion Ratio Lower Upper
101 100
103 65.3 51.3 76.9



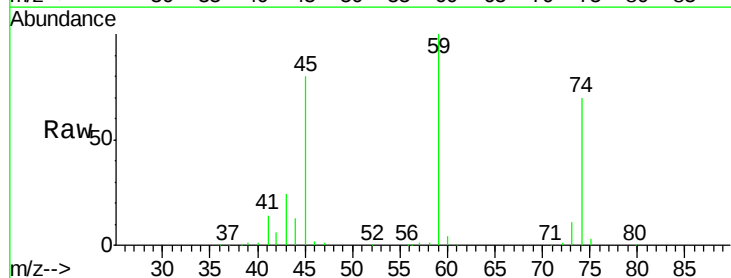
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



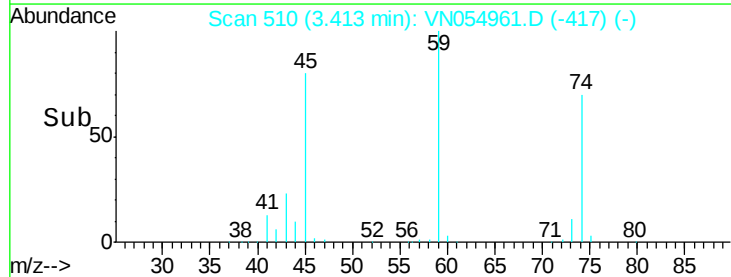
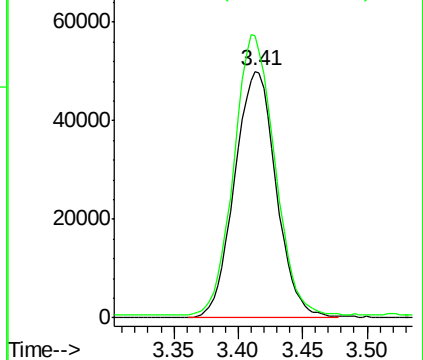
#8

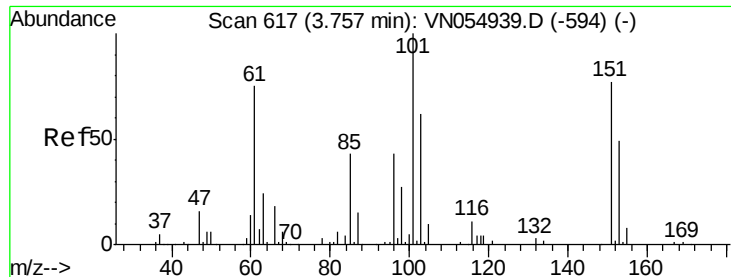
Diethyl Ether
Concen: 47.572 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054961.D
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Tgt Ion: 74 Resp: 112109
Ion Ratio Lower Upper
74 100
45 112.1 56.3 168.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.846 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

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Acq: 5 Apr 2019 9:02

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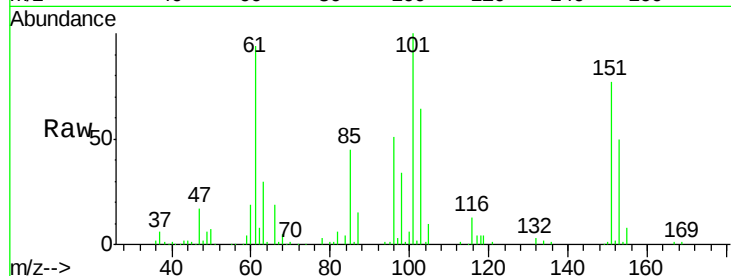
Tot Ion:101 Resp: 199333

Ion Ratio Lower Upper

101 100

85 45.9 36.2 54.2

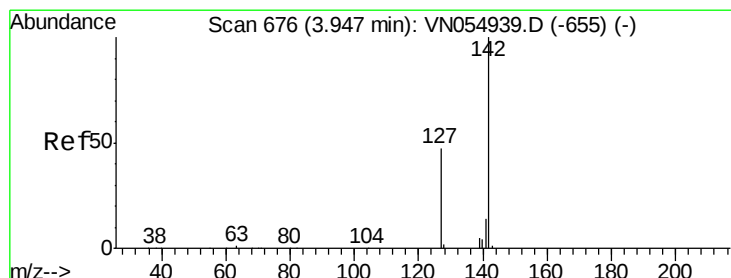
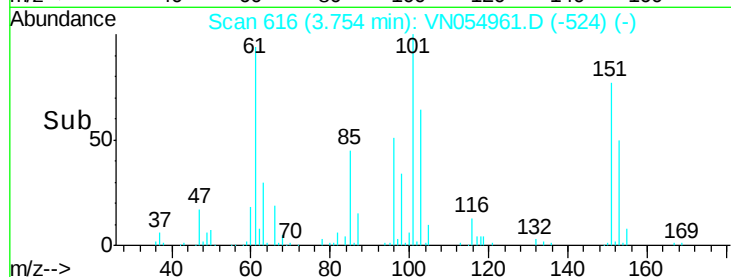
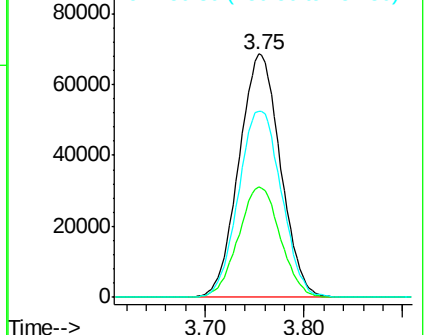
151 79.3 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.242 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

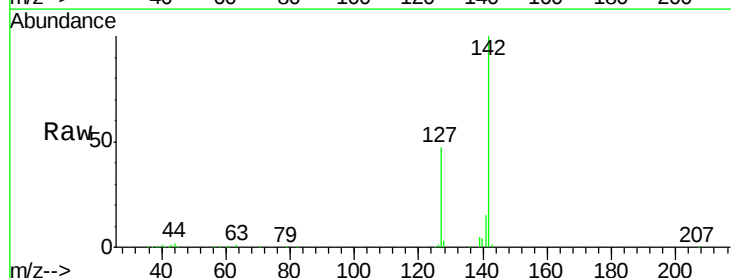
Tgt Ion:142 Resp: 272113

Ion Ratio Lower Upper

142 100

127 47.7 38.0 57.0

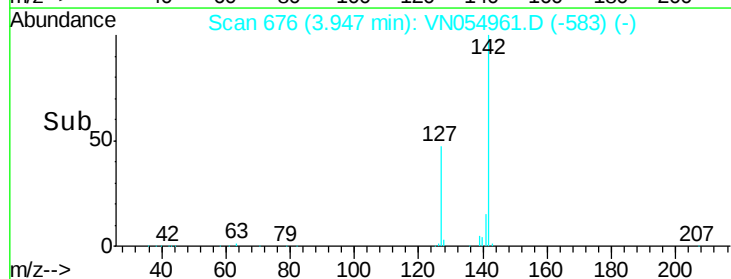
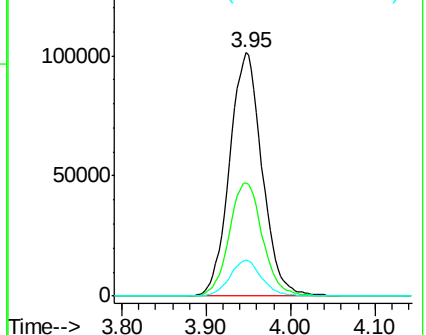
141 14.4 11.7 17.5

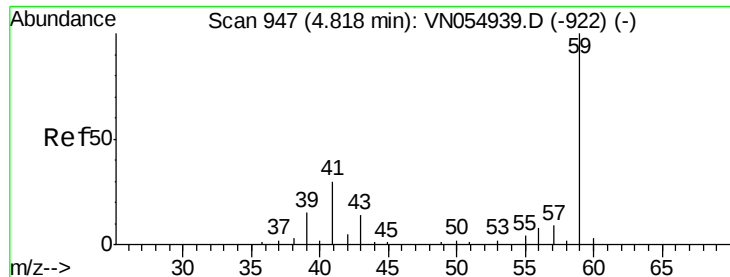


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



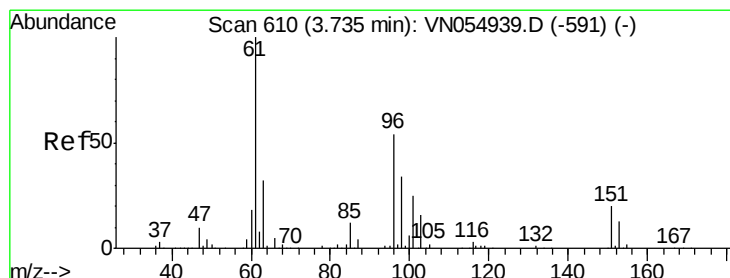
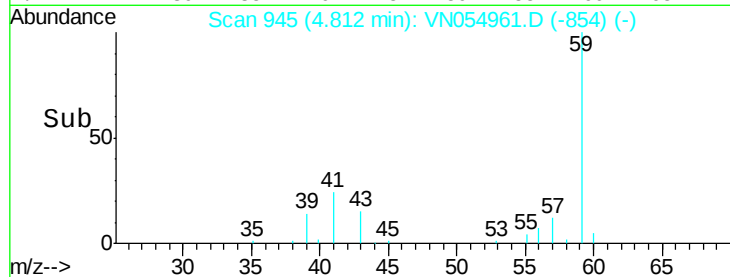
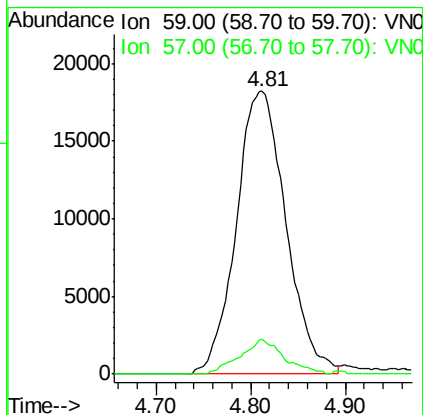
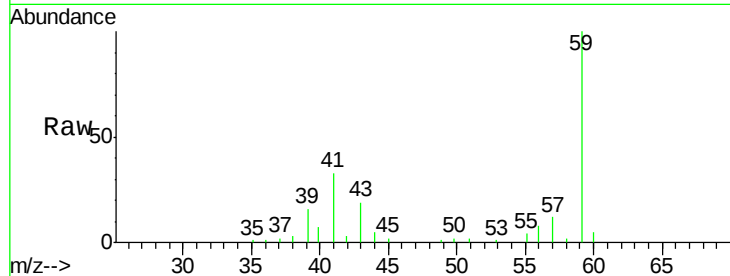


#11

Tert butyl alcohol
Concen: 221.216 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :

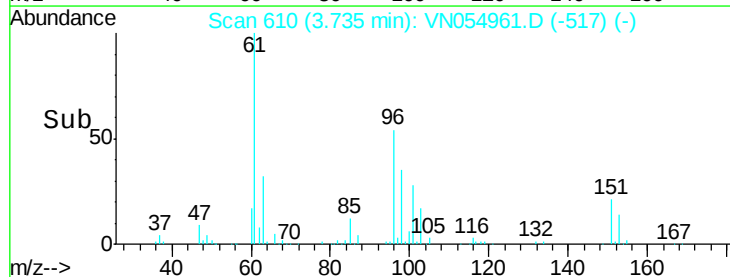
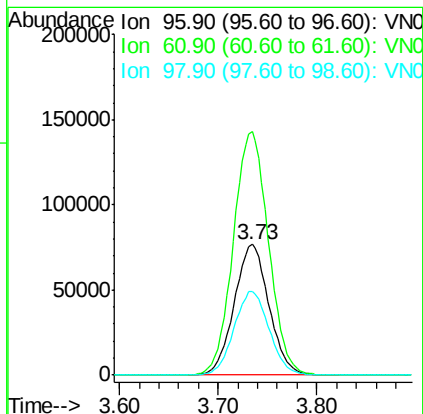
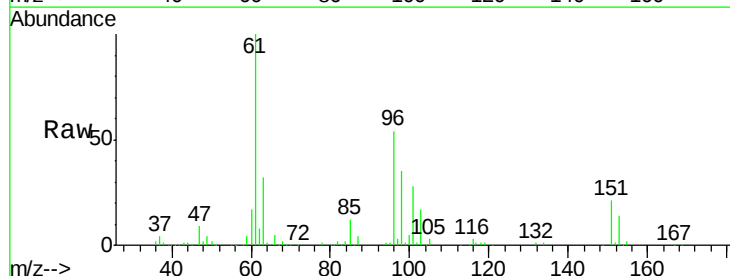
Tot Ion: 59 Resp: 66402
Ion Ratio Lower Upper
59 100
57 10.9 5.0 7.4#

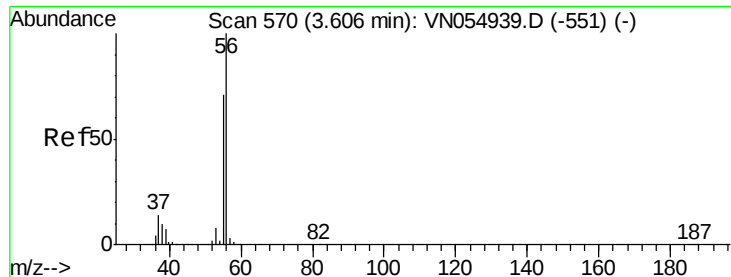


#12

1,1-Dichloroethene
Concen: 48.288 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 96 Resp: 187786
Ion Ratio Lower Upper
96 100
61 186.5 148.2 222.2
98 64.6 50.2 75.4





#13

Acrolein

Concen: 232.910 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

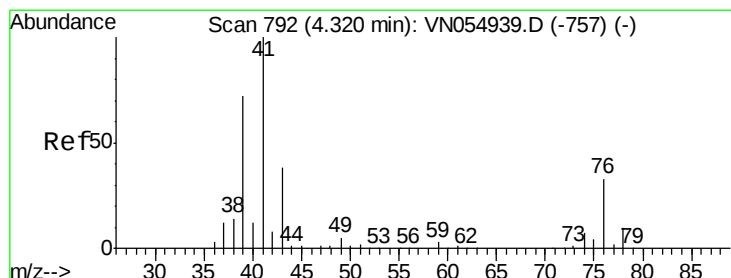
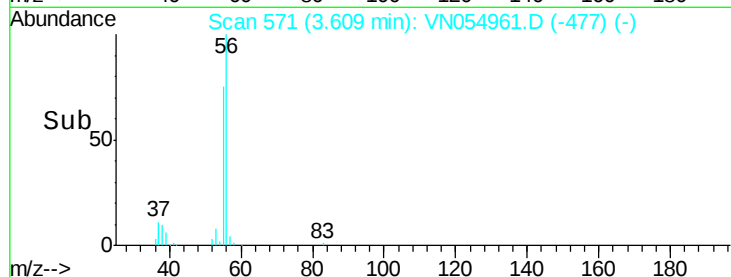
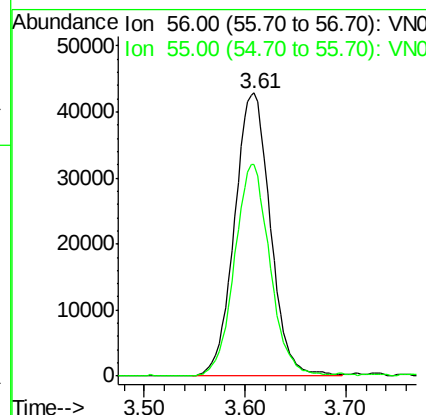
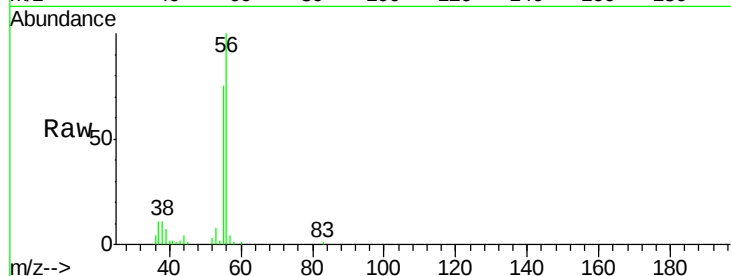
ClientSampleId :

Tot Ion: 56 Resp: 105809

Ion Ratio Lower Upper

56 100

55 73.8 58.6 87.8



#14

Allyl chloride

Concen: 50.373 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

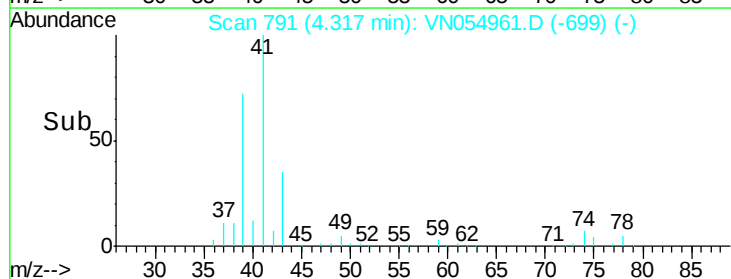
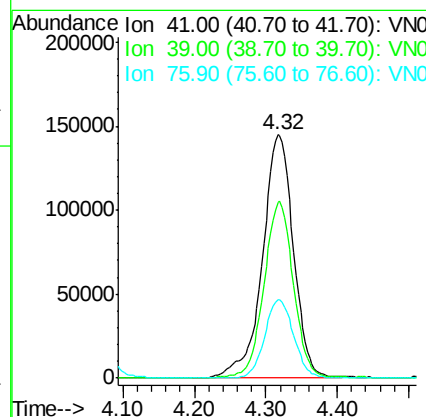
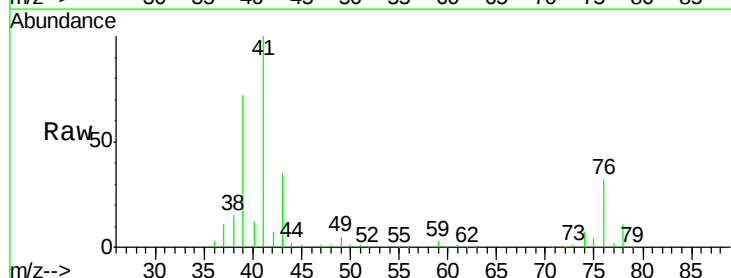
Tgt Ion: 41 Resp: 434769

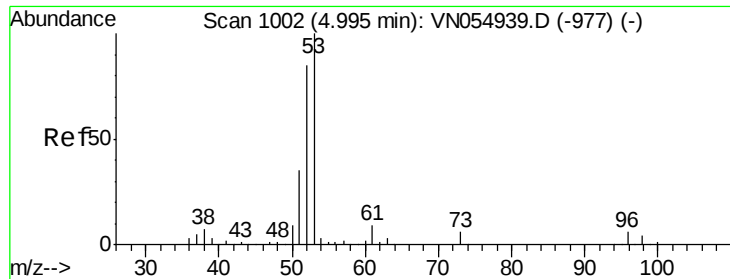
Ion Ratio Lower Upper

41 100

39 69.4 55.4 83.2

76 29.8 23.8 35.8

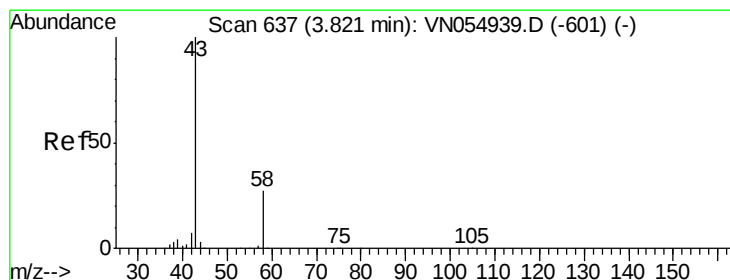
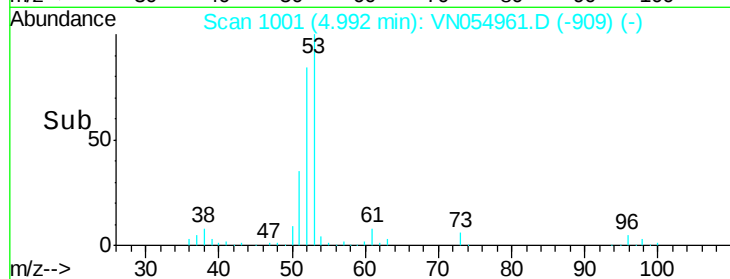
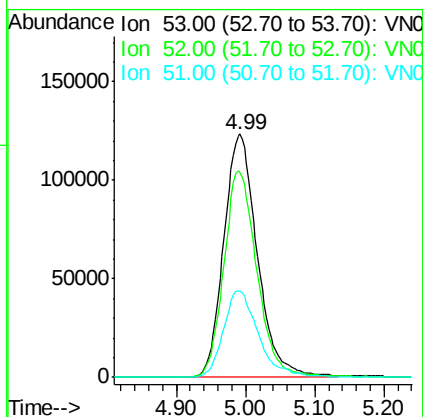
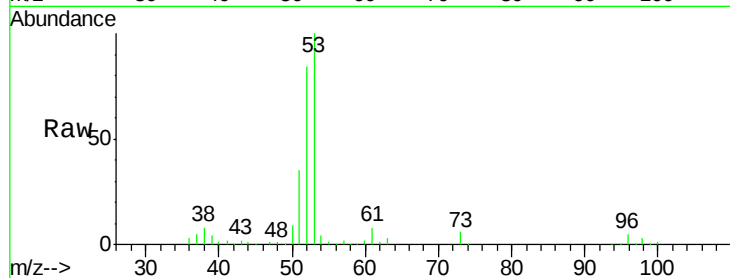




#15
 Acrylonitrile
 Concen: 231.684 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

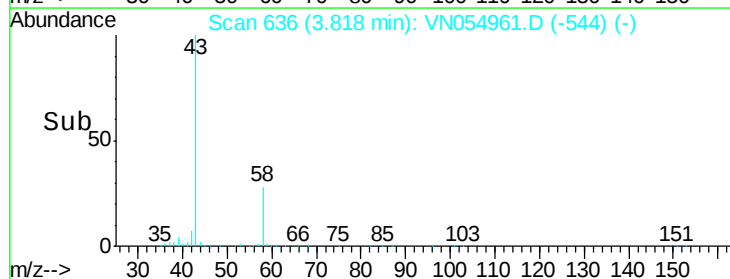
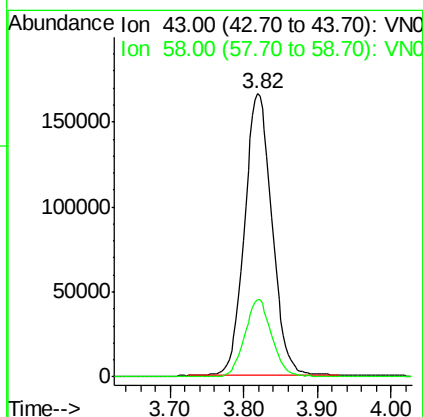
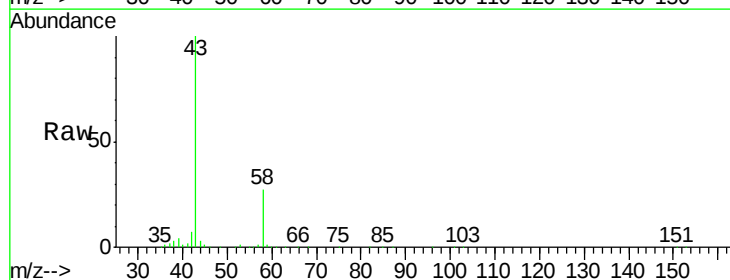
Instrument :
 MSVOA_N
 ClientSampleId :

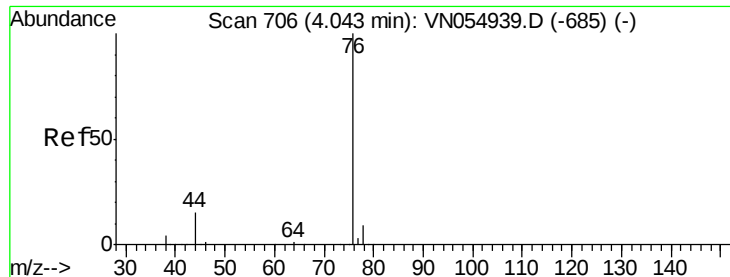
Tot Ion: 53 Resp: 417035
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.4 99.6
 51 36.9 29.5 44.3



#16
 Acetone
 Concen: 303.459 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 43 Resp: 432912
 Ion Ratio Lower Upper
 43 100
 58 27.5 21.7 32.5

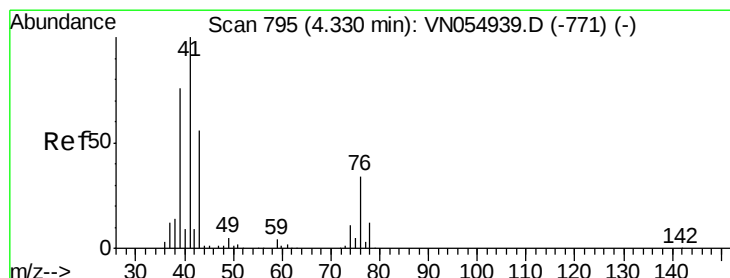
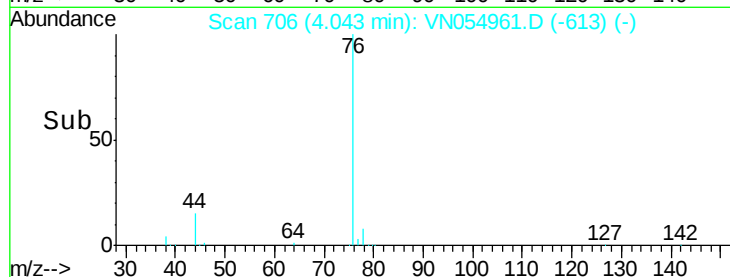
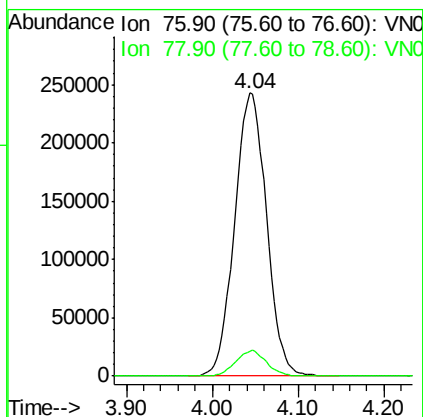
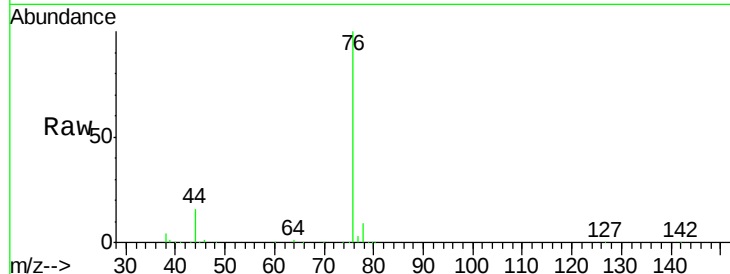




#17
Carbon Disulfide
Concen: 50.545 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

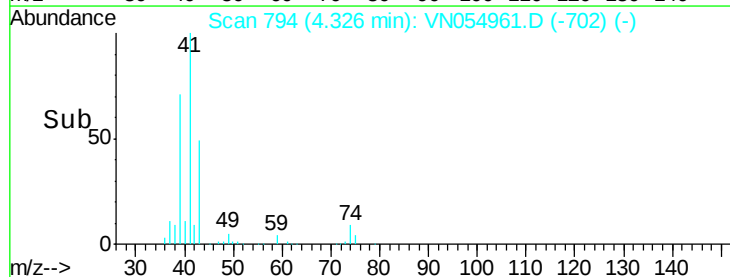
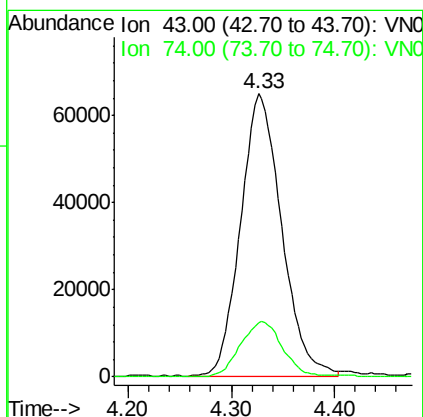
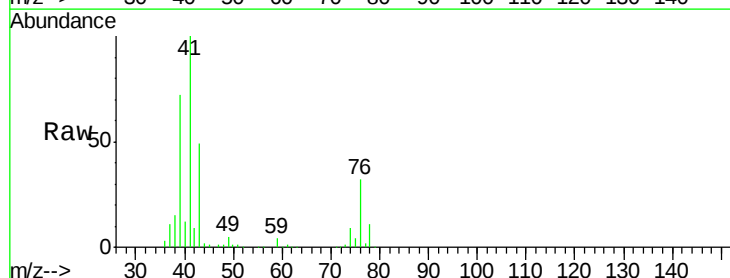
Instrument :
MSVOA_N
ClientSampled :

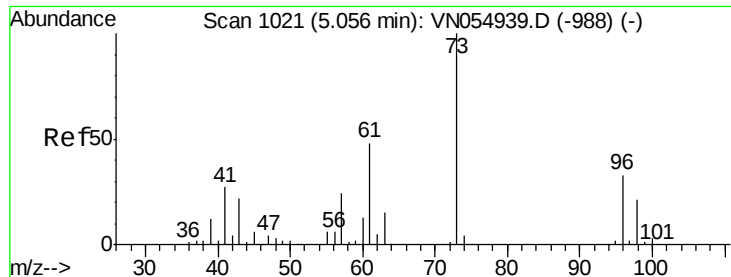
Tot Ion: 76 Resp: 625688
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 46.924 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 43 Resp: 178589
Ion Ratio Lower Upper
43 100
74 20.1 16.4 24.6

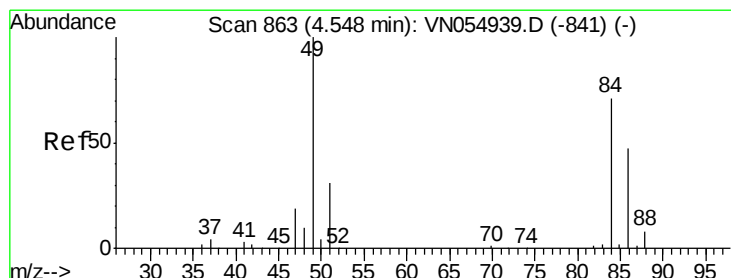
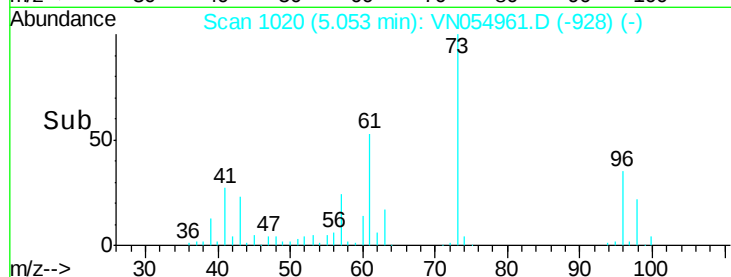
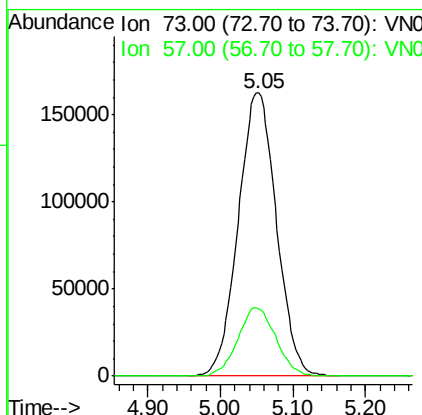
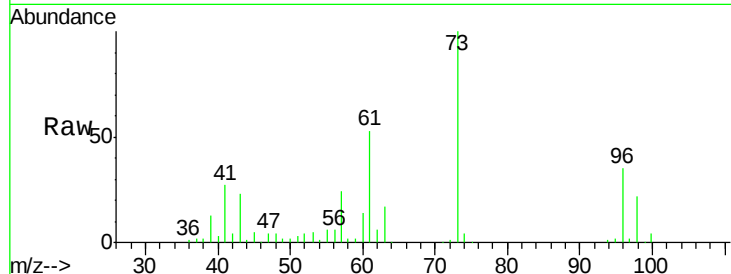




#19
Methvl tert-butvl Ether
Concen: 47.263 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

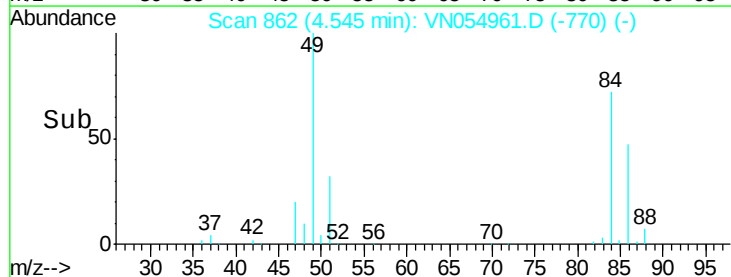
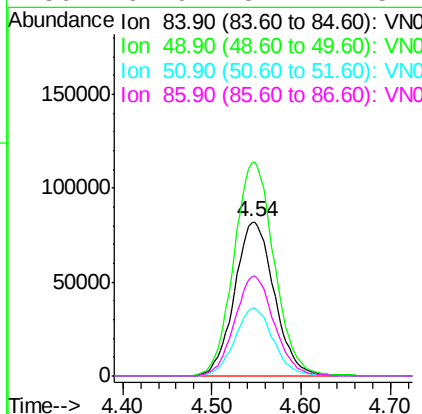
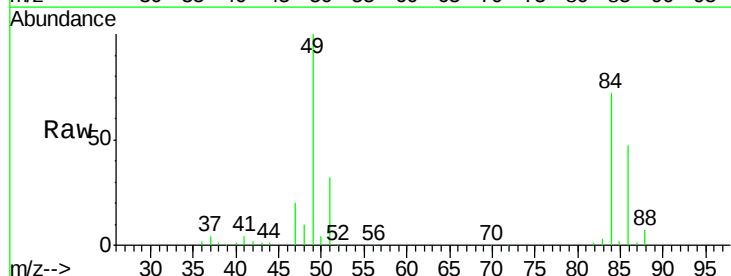
Instrument :
MSVOA_N
ClientSampled :

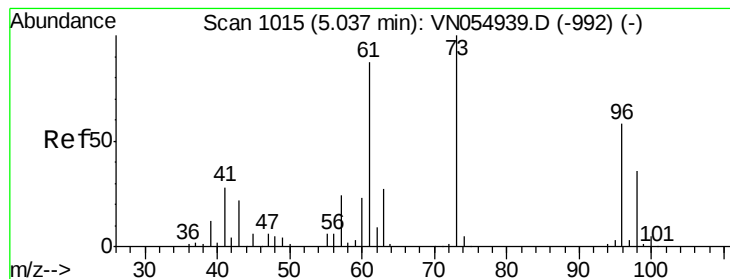
Tot Ion: 73 Resp: 596167
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3



#20
Methylene Chloride
Concen: 46.934 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 84 Resp: 253381
Ion Ratio Lower Upper
84 100
49 138.8 112.1 168.1
51 44.2 34.5 51.7
86 64.9 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 49.409 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

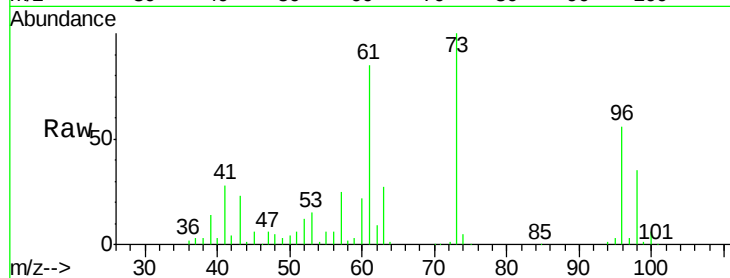
Tot Ion: 96 Resp: 239977

Ion Ratio Lower Upper

96 100

61 153.5 120.1 180.1

98 63.8 49.3 73.9

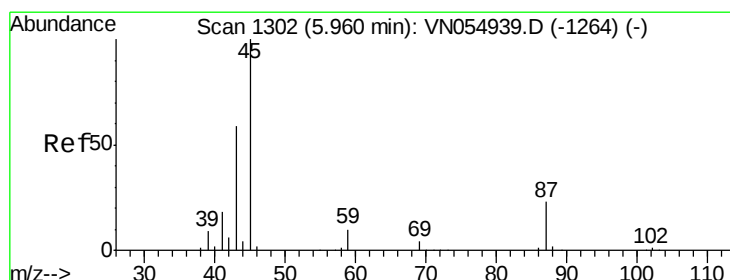
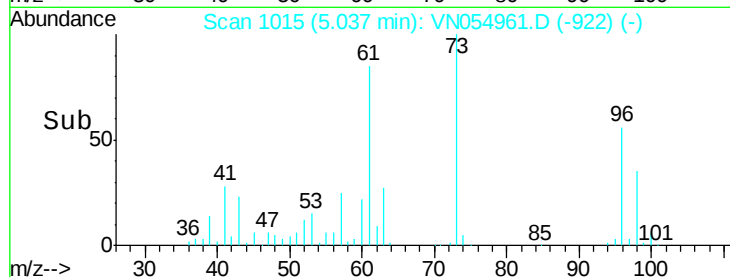
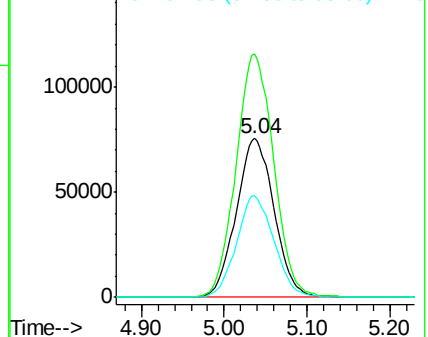


Abundance

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: 49.646 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion: 45 Resp: 880027

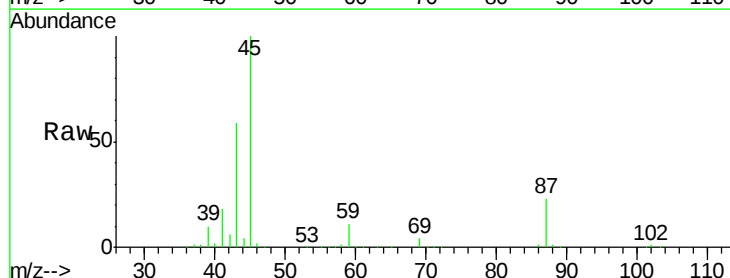
Ion Ratio Lower Upper

45 100

43 58.5 46.9 70.3

87 23.2 18.6 28.0

59 10.5 8.5 12.7



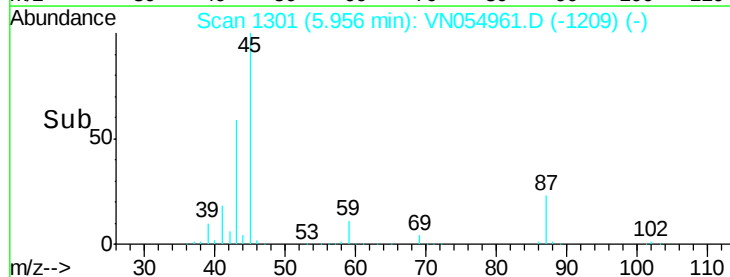
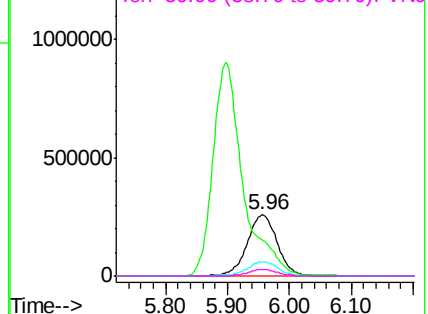
Abundance

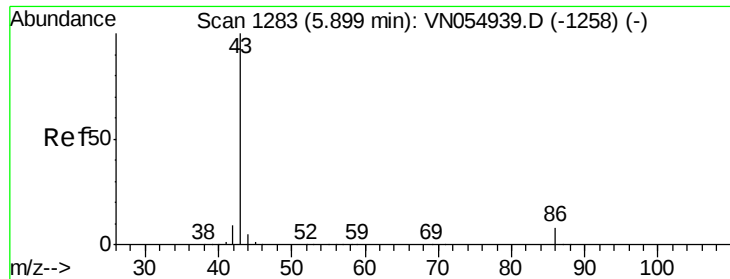
Ion 45.00 (44.70 to 45.70): VN0

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: 247.768 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

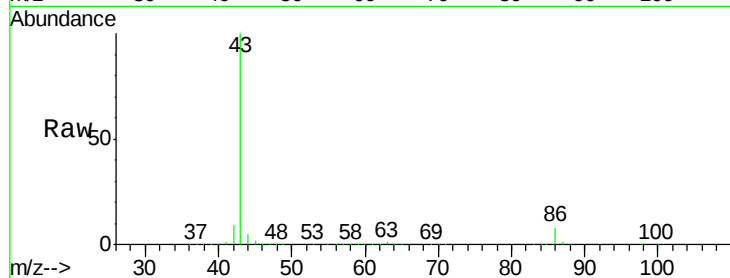
ClientSampled :

Tot Ion: 43 Resp: 3056129

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1000000

800000

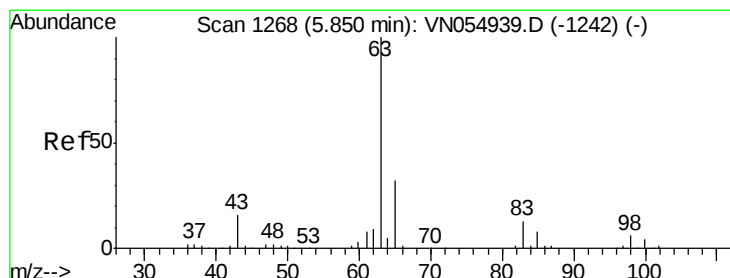
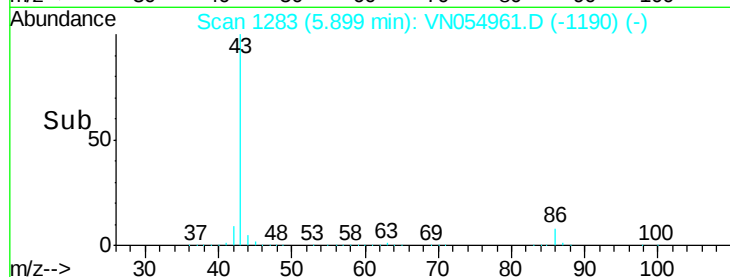
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.755 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

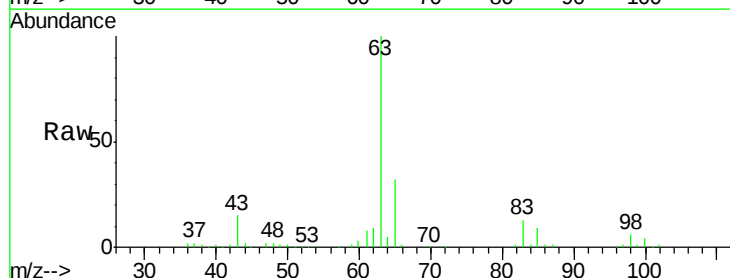
Tgt Ion: 63 Resp: 471293

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.0 2.1 6.2



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

200000

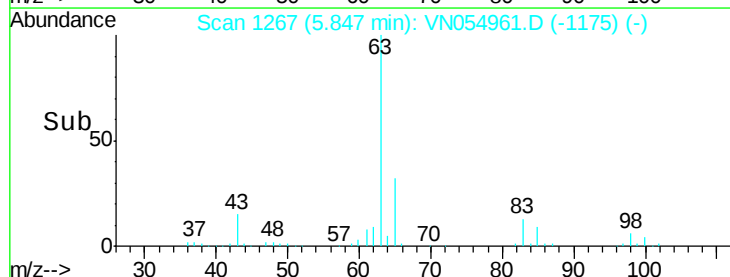
150000

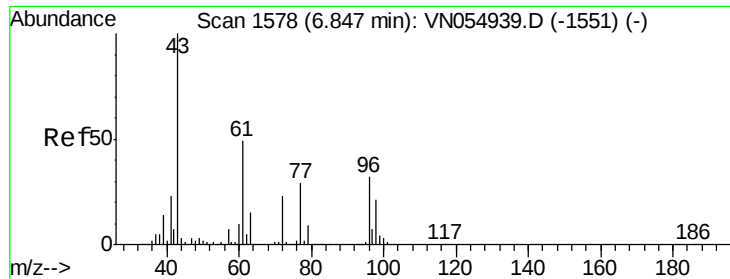
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

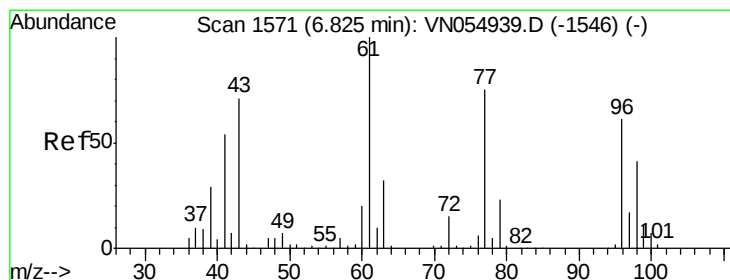
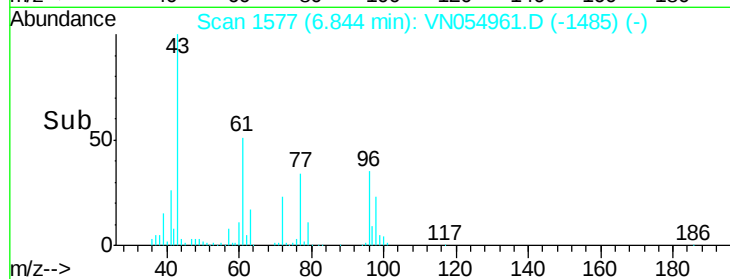
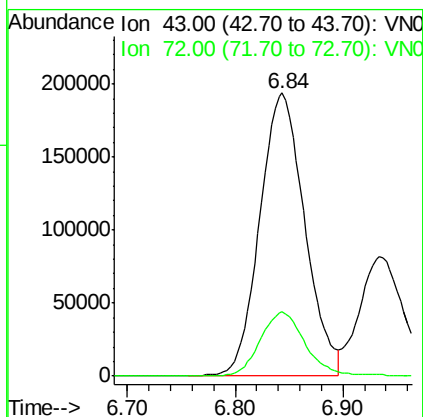
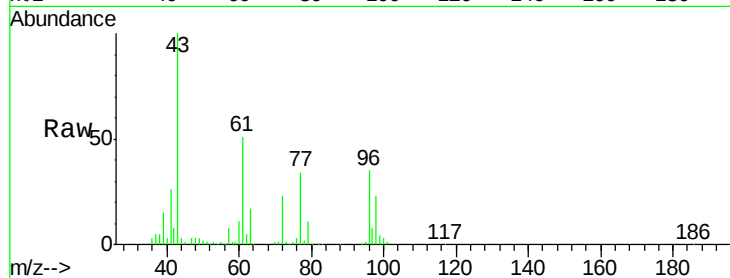




#25
2-Butanone
Concen: 254.747 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

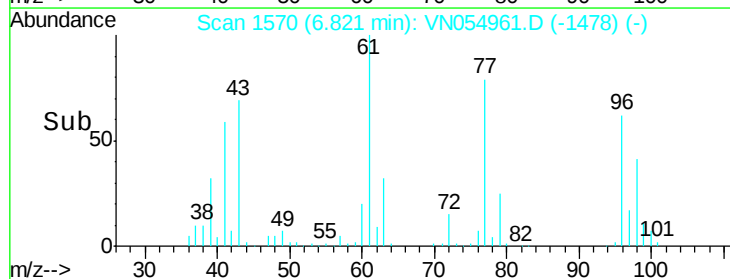
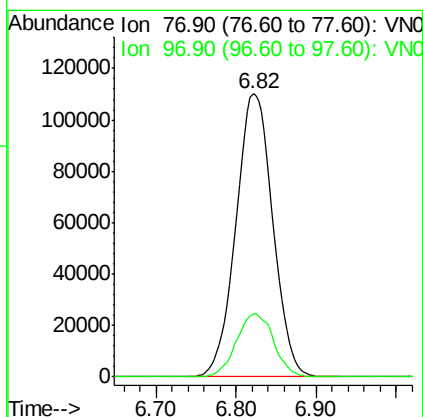
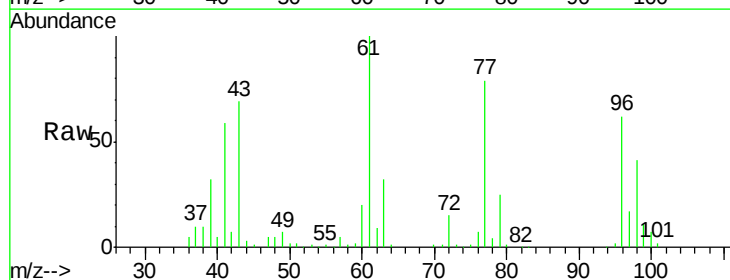
Instrument :
MSVOA_N
ClientSampled :

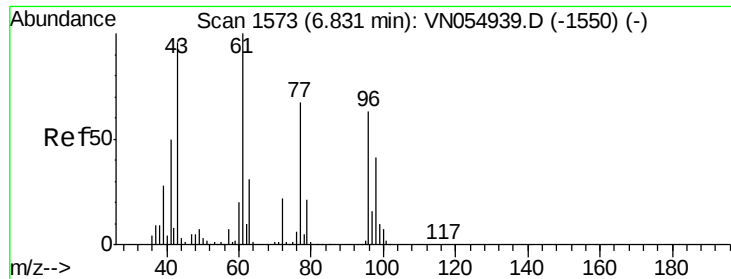
Tot Ion: 43 Resp: 556414
Ion Ratio Lower Upper
43 100
72 22.8 18.3 27.5



#26
2,2-Dichloropropane
Concen: 50.755 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 77 Resp: 343937
Ion Ratio Lower Upper
77 100
97 22.5 11.6 34.8

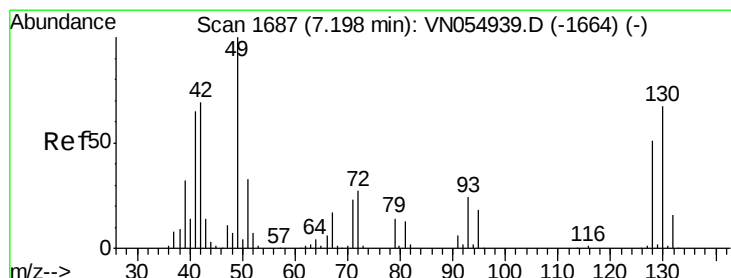
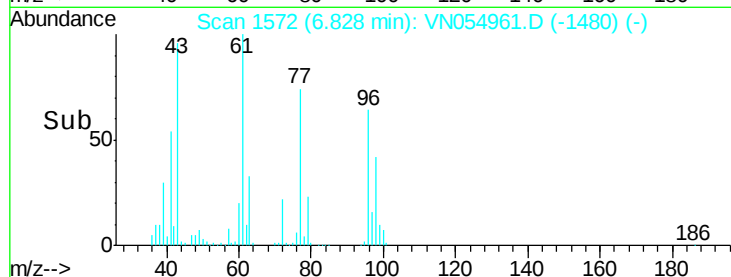
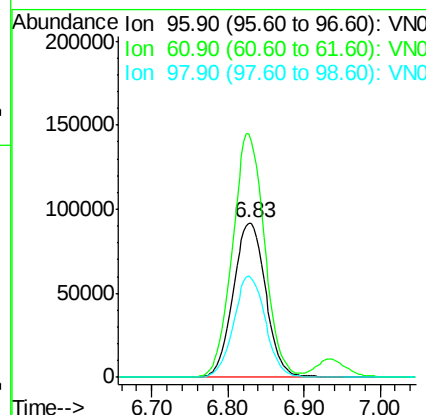
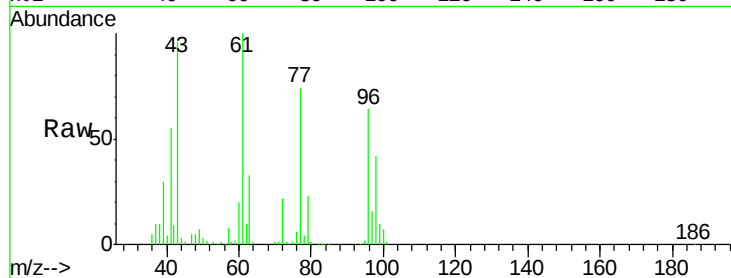




#27
 cis-1,2-Dichloroethene
 Concen: 49.664 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

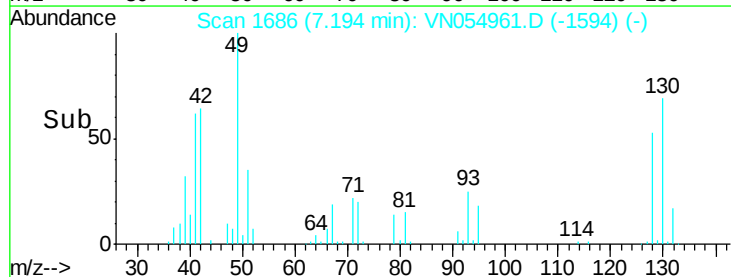
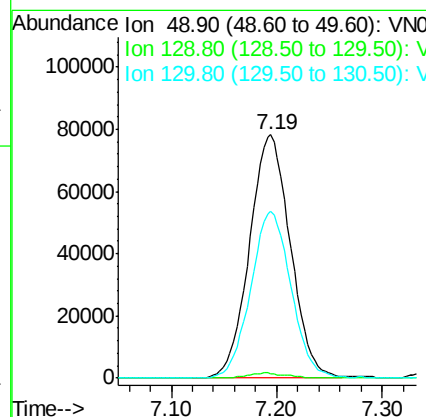
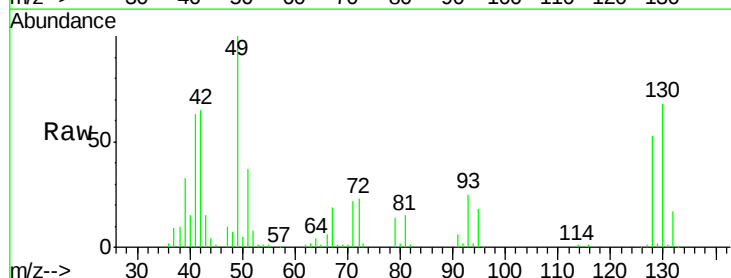
Instrument :
 MSVOA_N
 ClientSampleId :

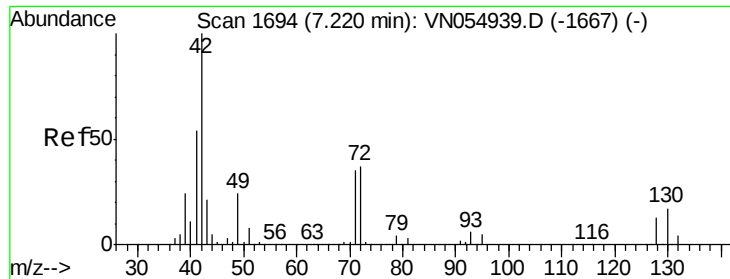
Tot Ion: 96 Resp: 273627
 Ion Ratio Lower Upper
 96 100
 61 154.8 0.0 316.2
 98 63.7 0.0 129.6



#28
 Bromochloromethane
 Concen: 46.540 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 49 Resp: 210757
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 67.5 53.1 79.7

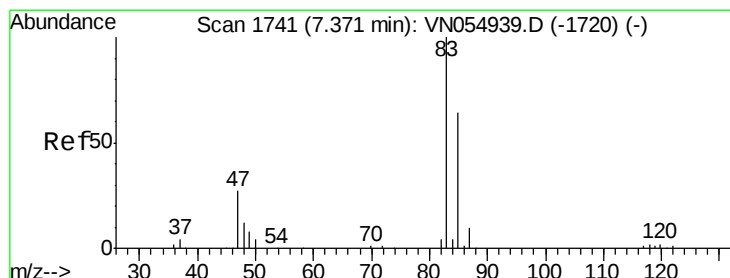
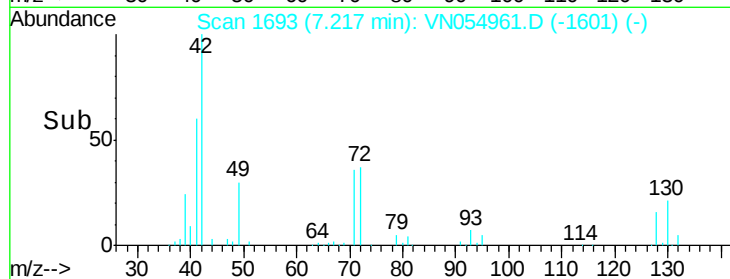
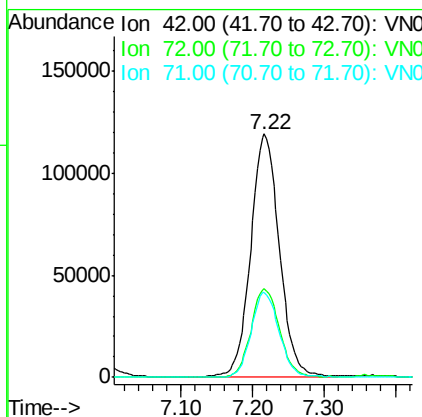
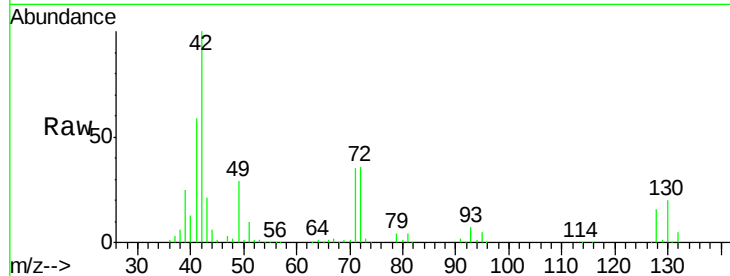




#29
Tetrahydrofuran
Concen: 231.455 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

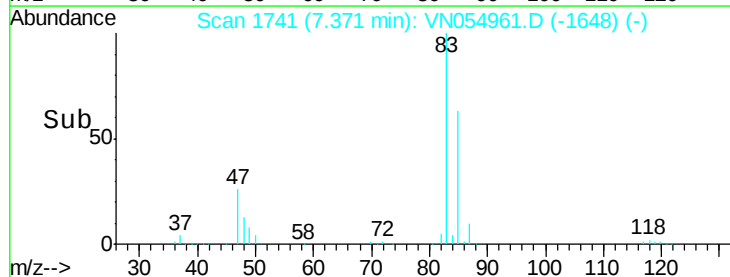
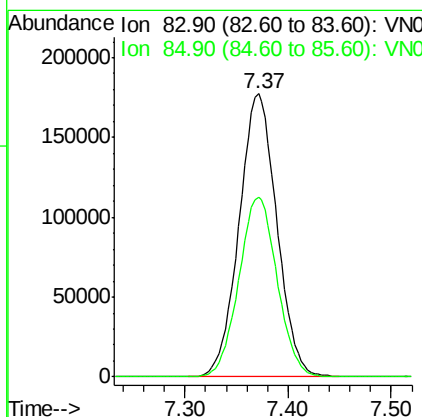
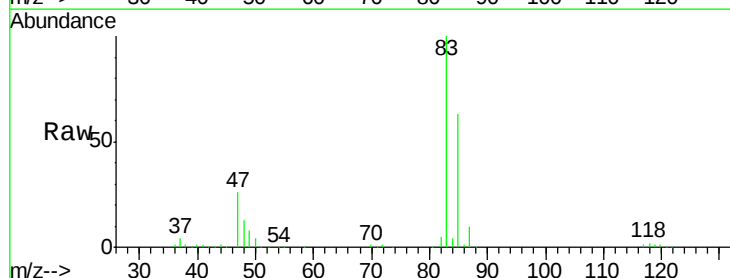
Instrument :
MSVOA_N
ClientSampled :

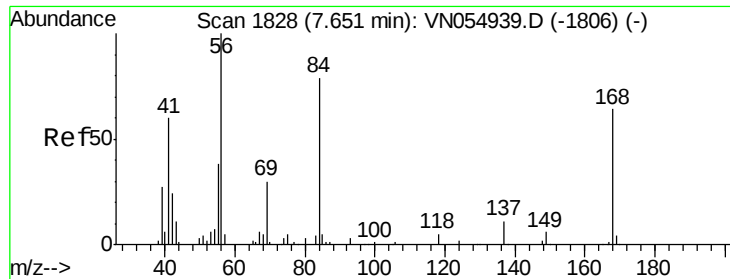
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.3	43.9
71	34.2	27.8	41.6



#30
Chloroform
Concen: 49.321 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0

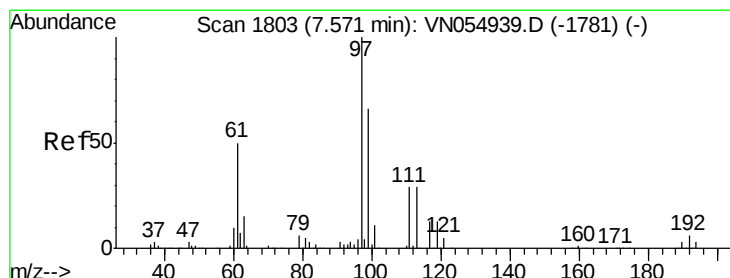
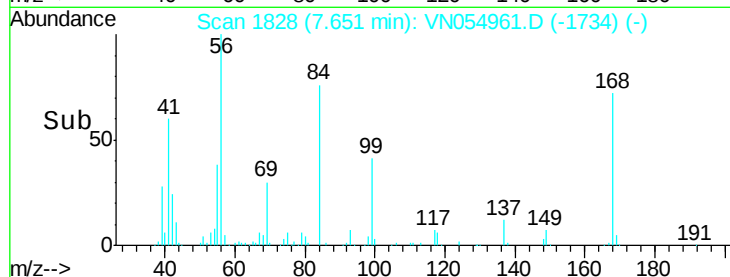
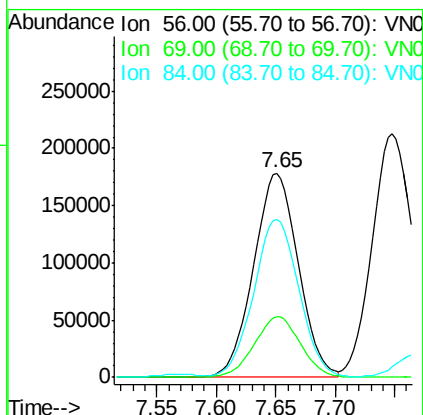
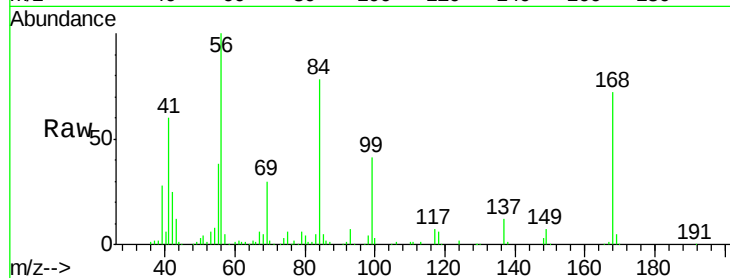




#31
Cyclohexane
Concen: 50.737 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

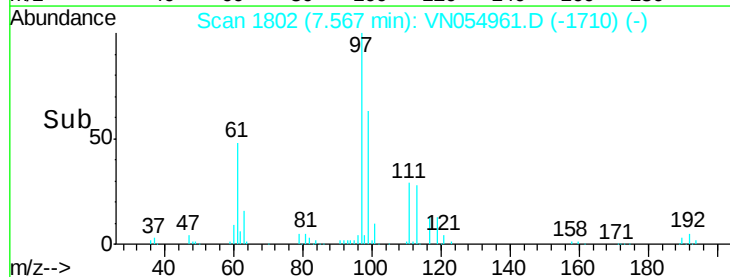
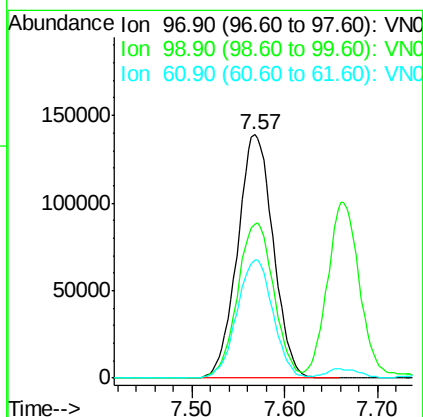
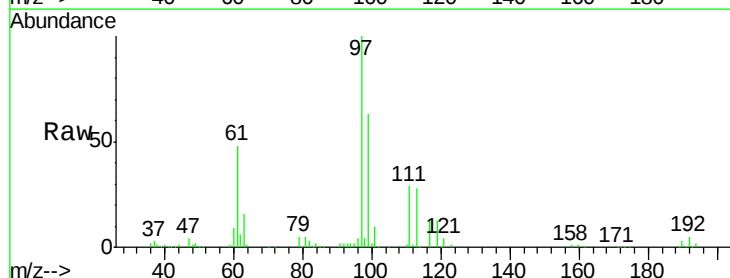
Instrument :
MSVOA_N
ClientSampled :

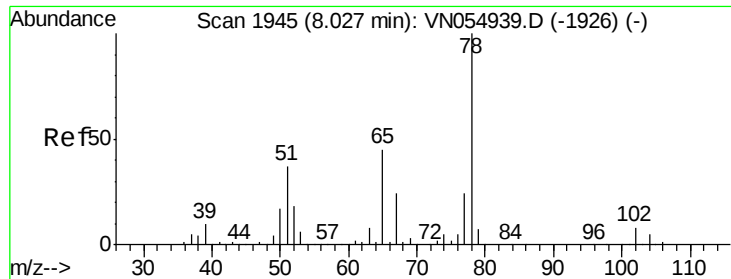
Tot Ion	56	Resp	464325
Ion Ratio	100	Lower	Upper
69	29.8	23.8	35.6
84	76.3	61.8	92.8



#32
1,1,1-Trichloroethane
Concen: 48.122 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion	97	Resp	372017
Ion Ratio	100	Lower	Upper
99	64.6	52.1	78.1
61	48.9	39.6	59.4

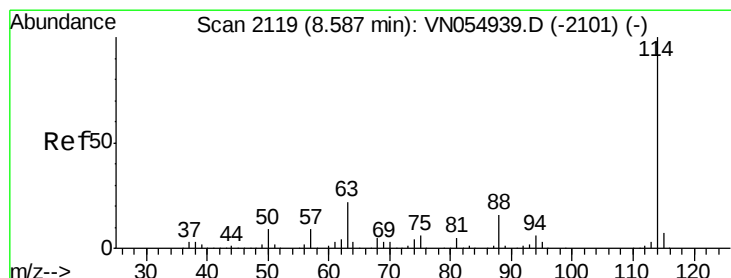
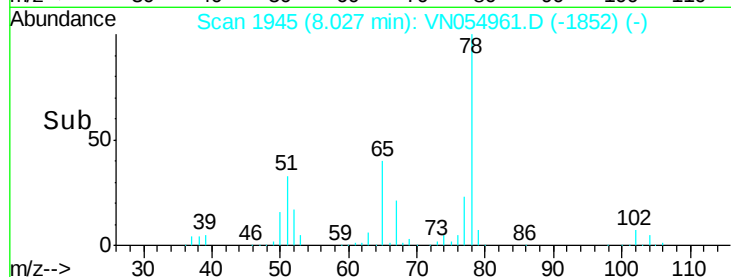
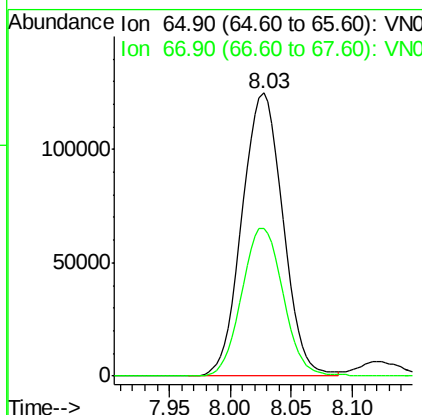
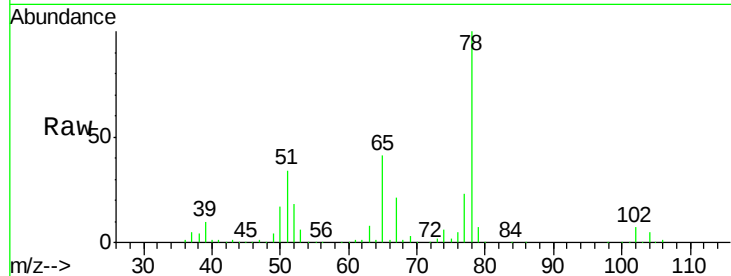




#33
 1,2-Dichloroethane-d4
 Concen: 49.986 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

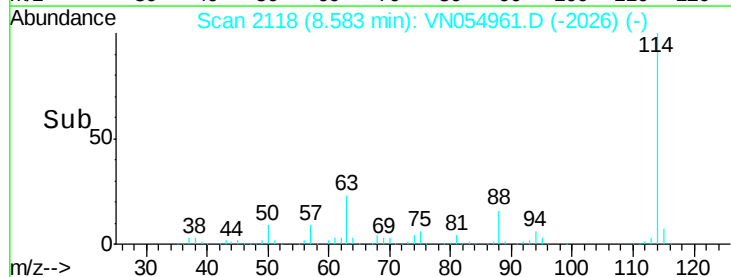
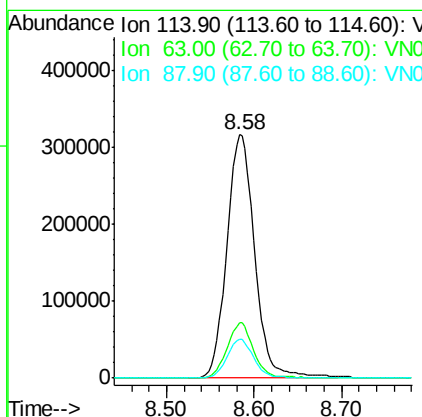
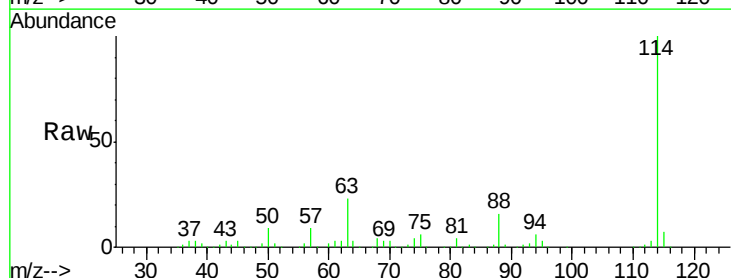
Instrument :
 MSVOA_N
 ClientSampled :

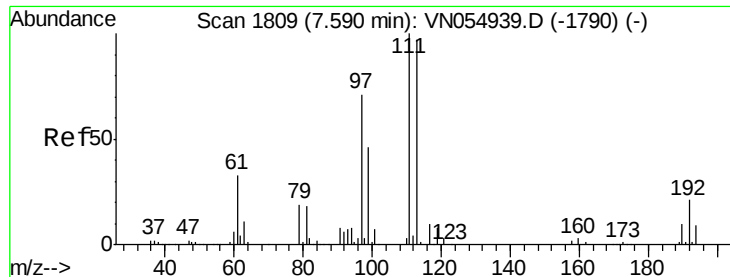
Tot Ion: 65 Resp: 290759
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 114 Resp: 700164
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.6
 88 16.0 0.0 32.0

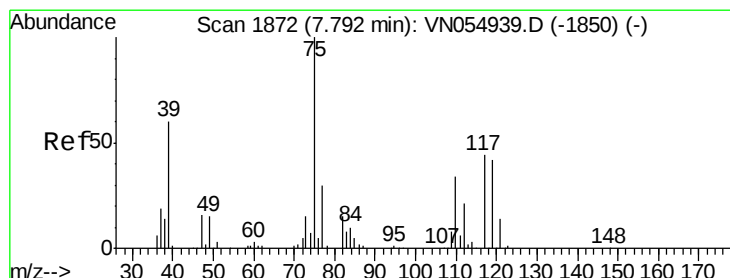
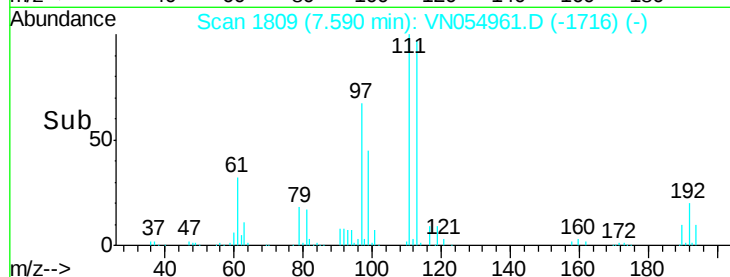
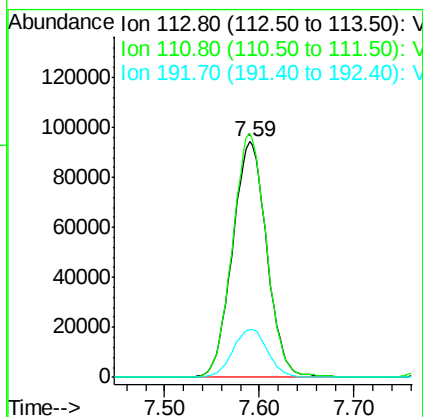
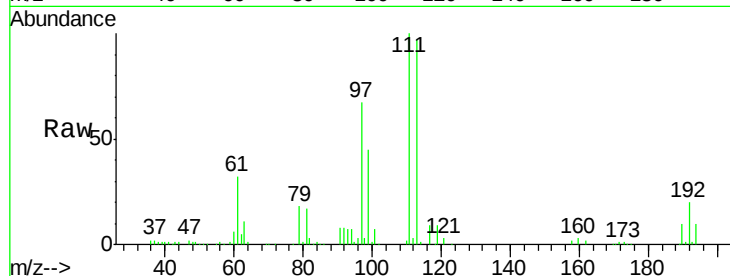




#35
 Dibromofluoromethane
 Concen: 52.217 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

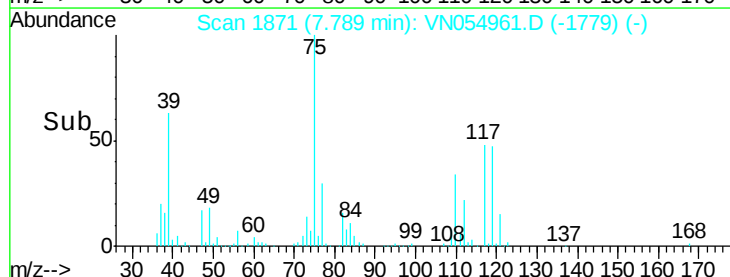
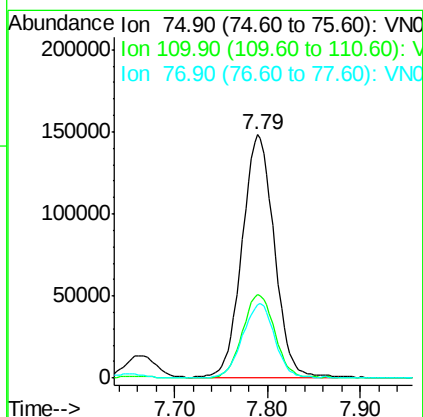
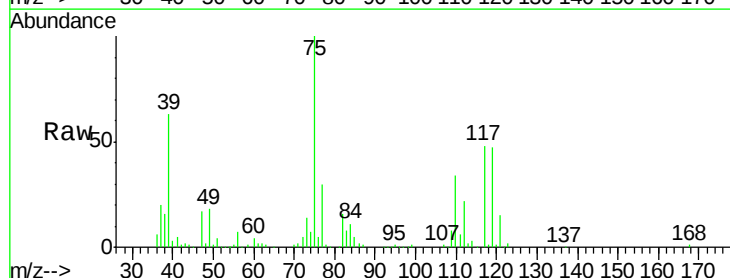
Instrument :
 MSVOA_N
 ClientSampled :

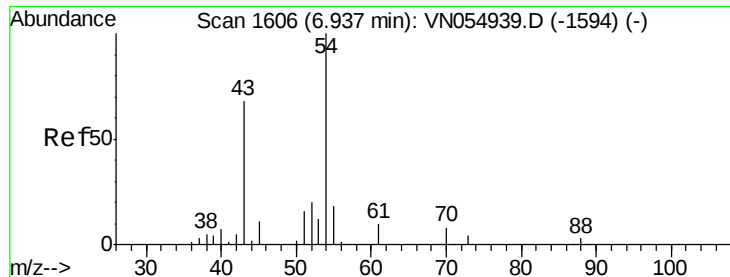
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.4
192	20.6	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 51.140 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.0	50.9
77	31.0	25.3	37.9

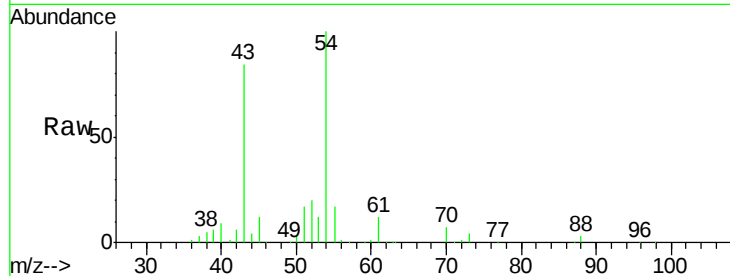




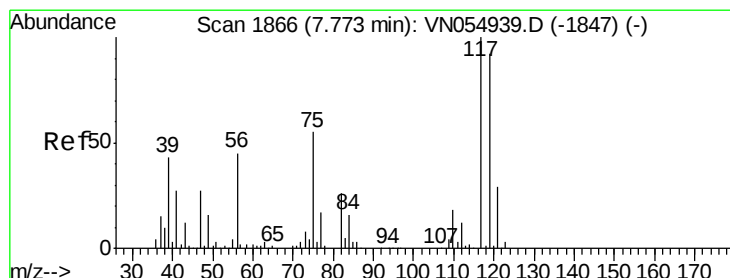
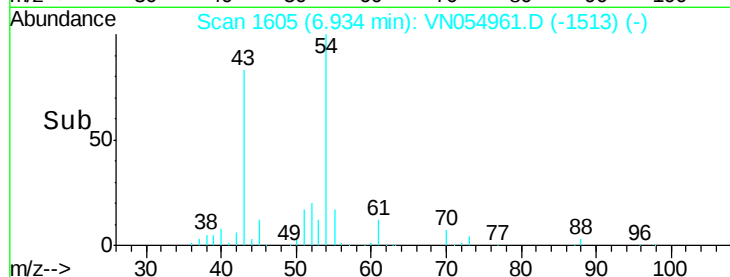
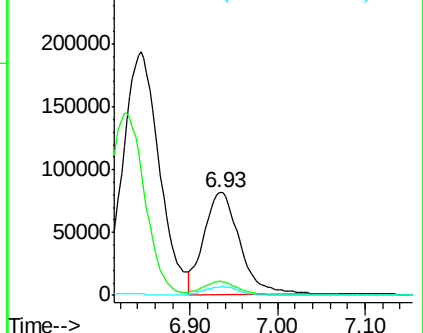
#37
Ethyl Acetate
Concen: 48.769 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 232182
Ion Ratio Lower Upper
43 100
61 12.7 10.3 15.5
70 8.0 7.0 10.4

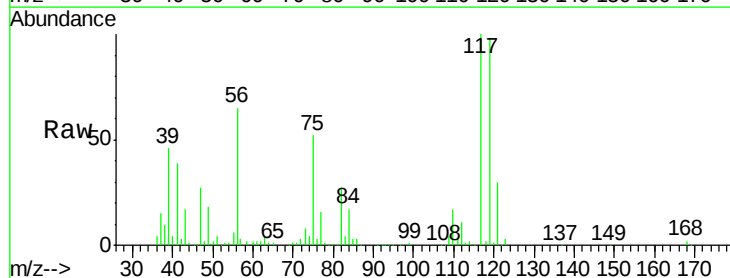


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

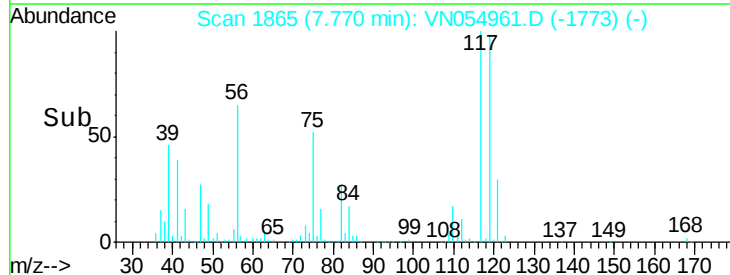
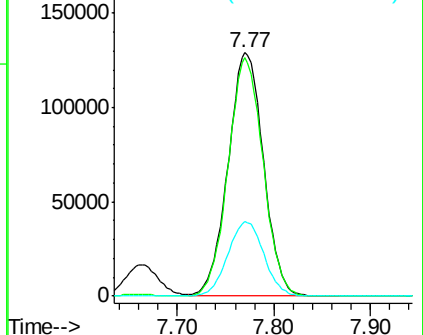


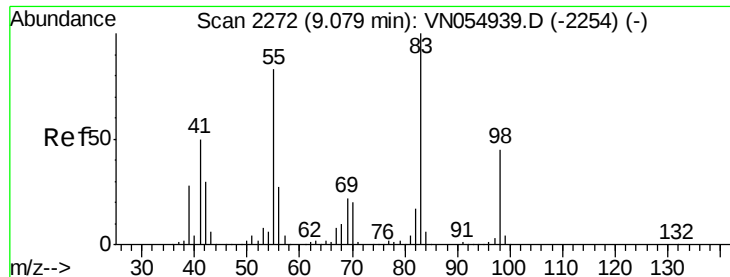
#38
Carbon Tetrachloride
Concen: 49.055 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 117 Resp: 328661
Ion Ratio Lower Upper
117 100
119 97.9 73.6 110.4
121 30.4 23.4 35.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

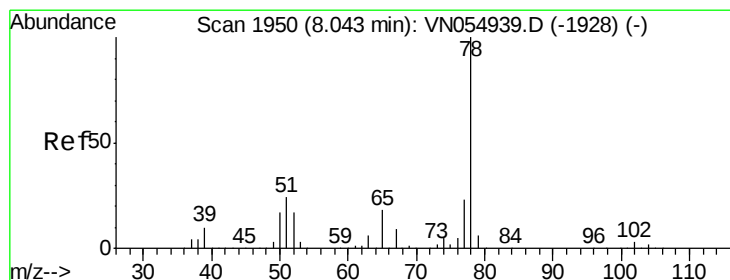
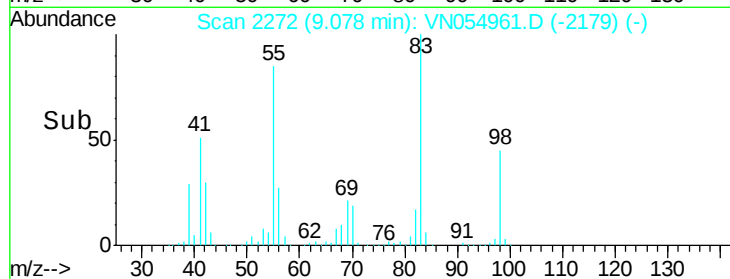
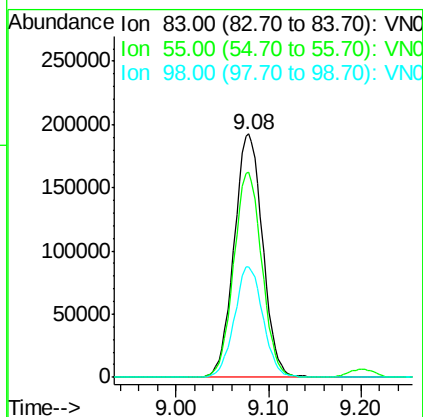
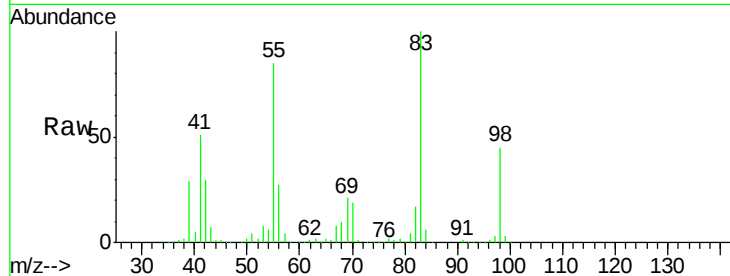




#39
Methvlcvclohexane
Concen: 53.910 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

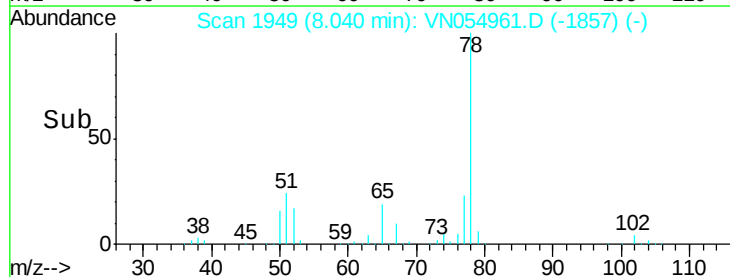
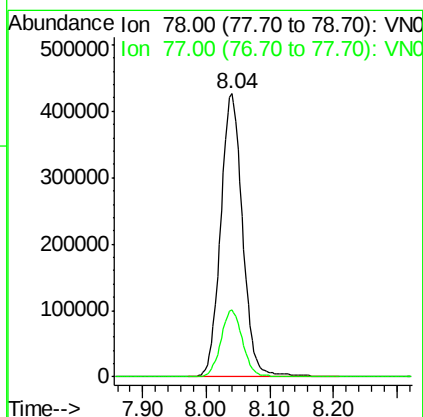
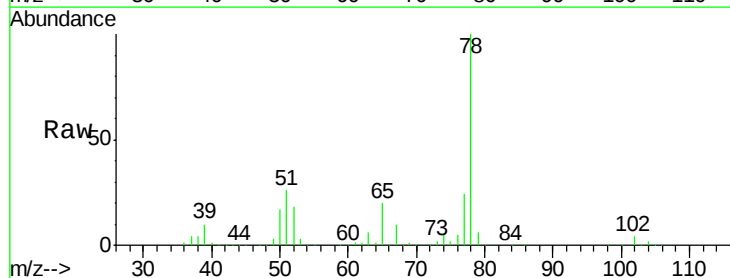
Instrument :
MSVOA_N
ClientSampleId :

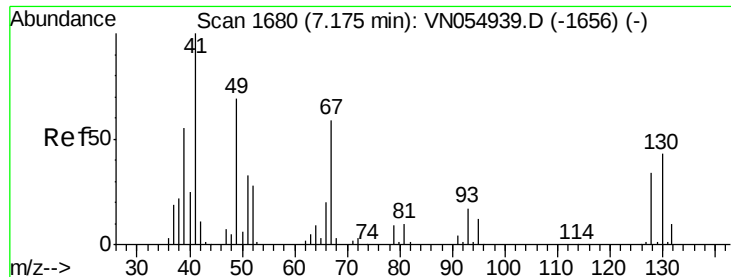
Tot Ion: 83 Resp: 411456
Ion Ratio Lower Upper
83 100
55 84.5 66.4 99.6
98 45.4 36.4 54.6



#40
Benzene
Concen: 51.174 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 78 Resp: 1021557
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

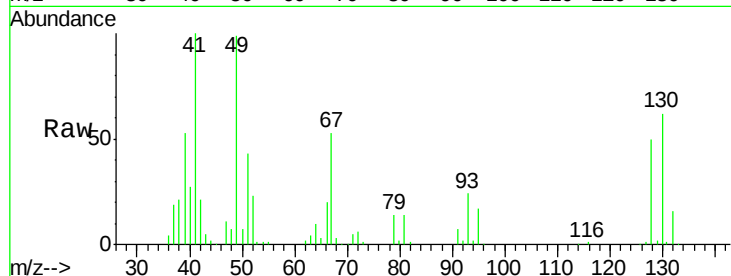




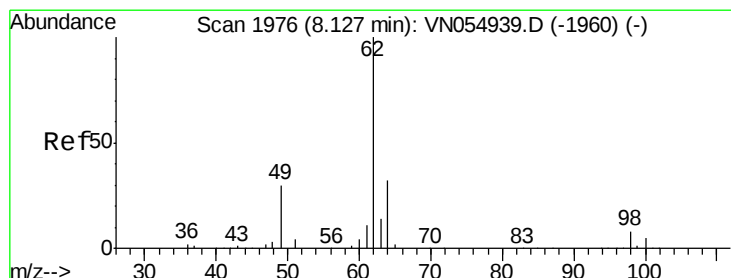
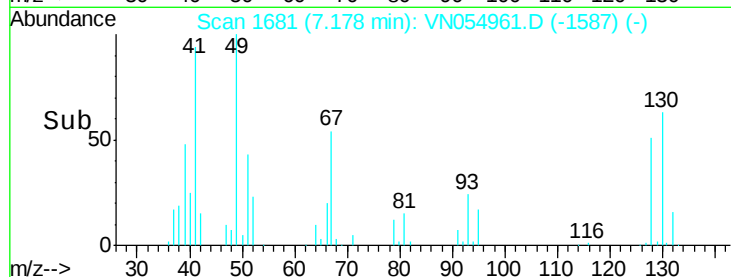
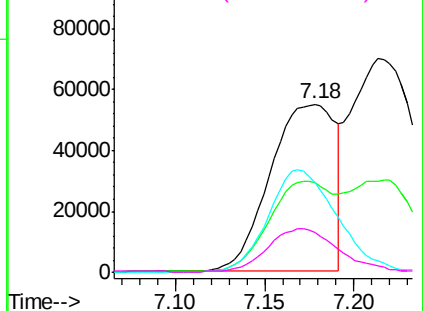
#41
Methacrylonitrile
Concen: 51.100 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	139107
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.0	64.6
67	65.7	55.0	82.6
52	27.7	24.4	36.6

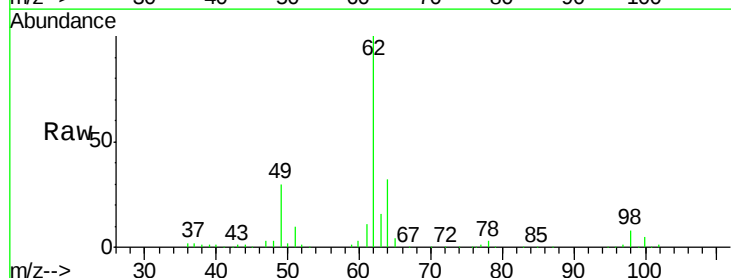


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

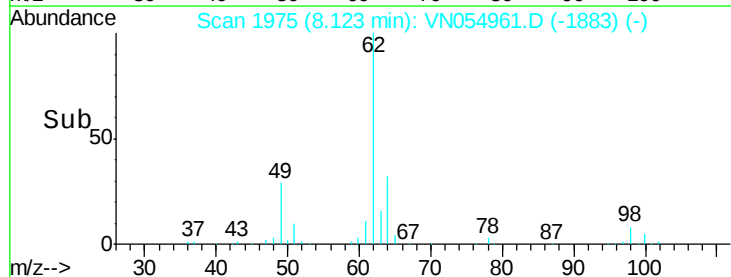
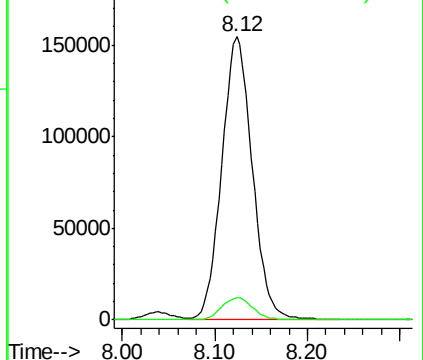


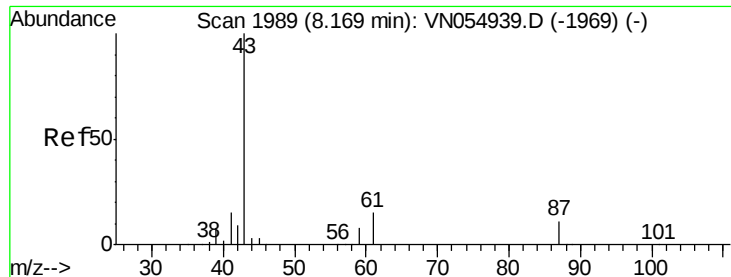
#42
1,2-Dichloroethane
Concen: 50.061 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:	62	Resp:	351168
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.0



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





#43

Isopropyl Acetate

Concen: 49.159 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

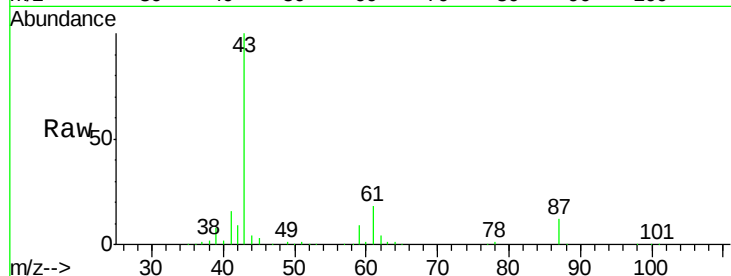
Tot Ion: 43 Resp: 394438

Ion Ratio Lower Upper

43 100

61 18.0 14.4 21.6

87 11.6 9.0 13.4

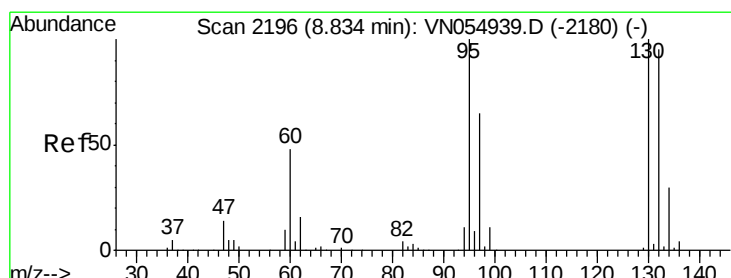
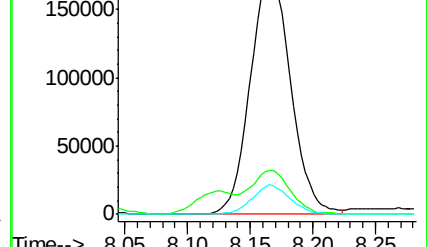
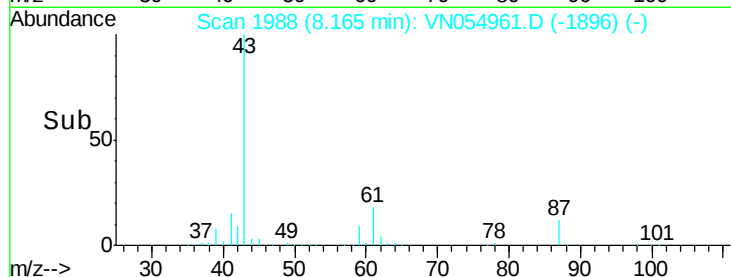


Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN054939.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1969) (-)

Time-->



#44

Trichloroethene

Concen: 52.399 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054961.D

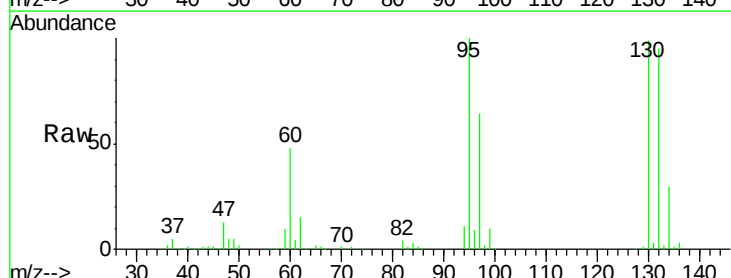
Acq: 5 Apr 2019 9:02

Tgt Ion:130 Resp: 267454

Ion Ratio Lower Upper

130 100

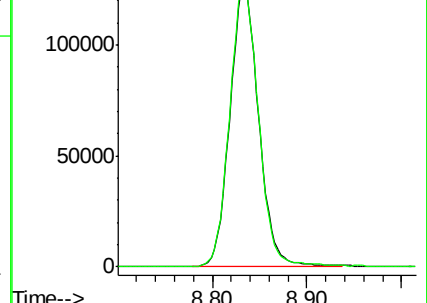
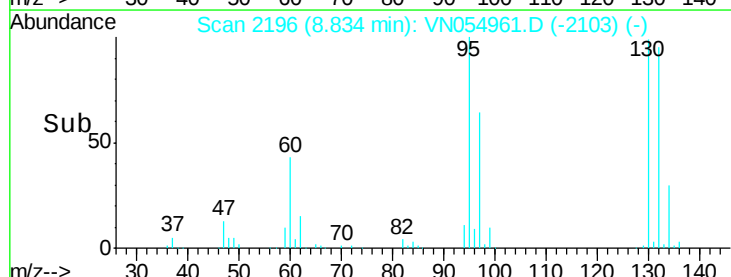
95 101.4 0.0 200.4

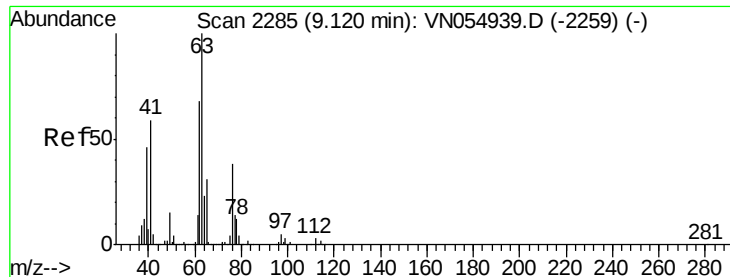


Abundance Ion 129.80 (129.50 to 130.50): VN054939.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054939.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 51.065 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

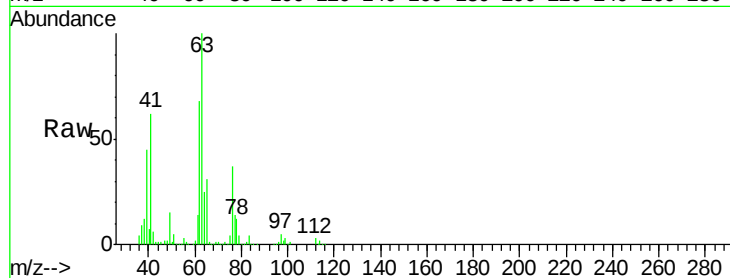
ClientSampleId :

Tot Ion: 63 Resp: 284029

Ion Ratio Lower Upper

63 100

65 31.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

150000

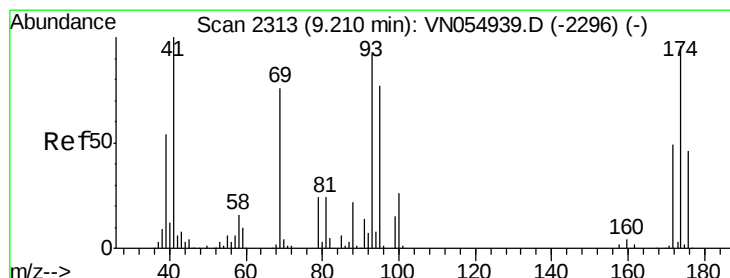
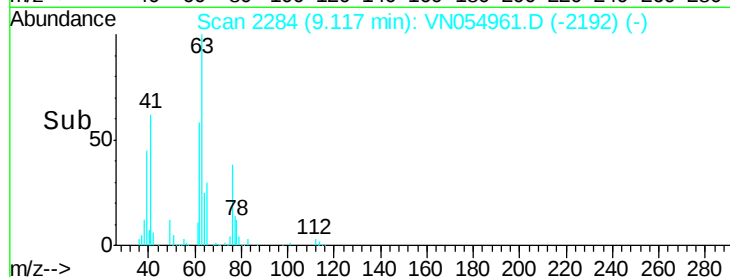
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.729 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

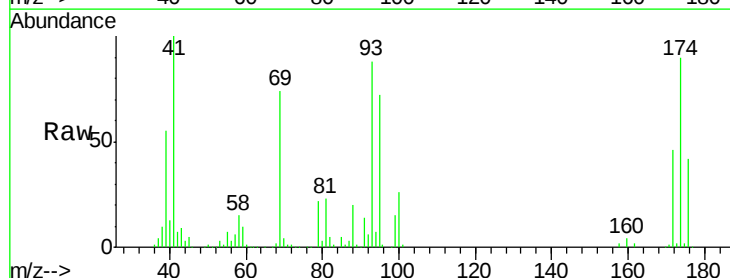
Tgt Ion: 93 Resp: 160005

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 100.6 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

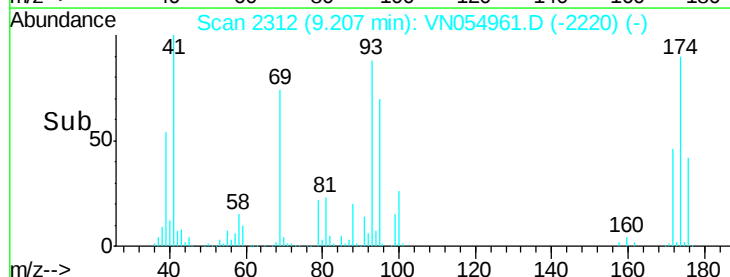
40000

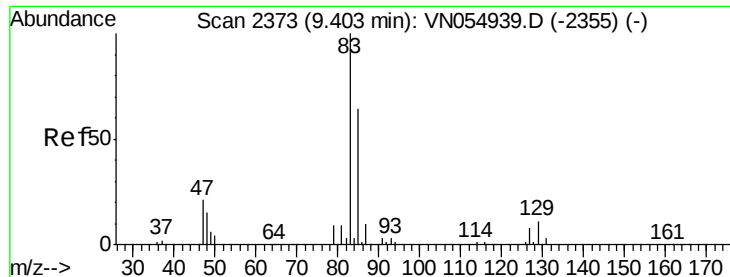
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 51.746 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

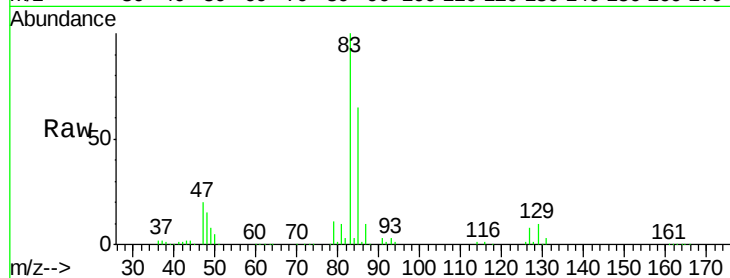
Tot Ion: 83 Resp: 342807

Ion Ratio Lower Upper

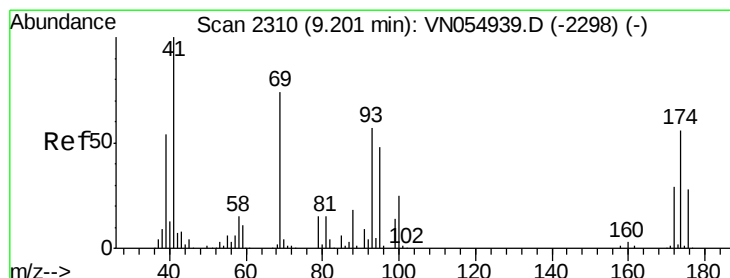
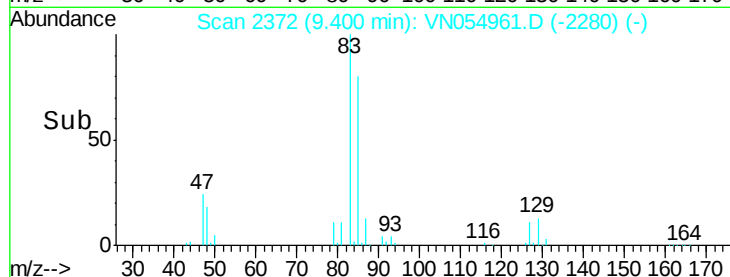
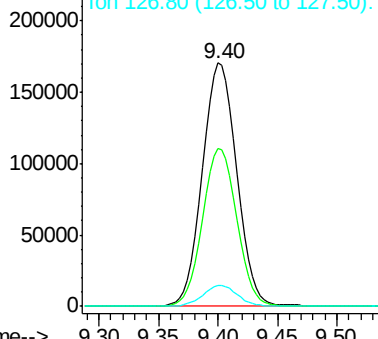
83 100

85 64.6 51.1 76.7

127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN054961.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.387 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

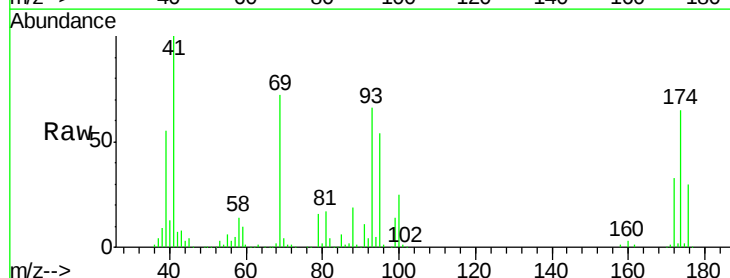
Tgt Ion: 41 Resp: 200604

Ion Ratio Lower Upper

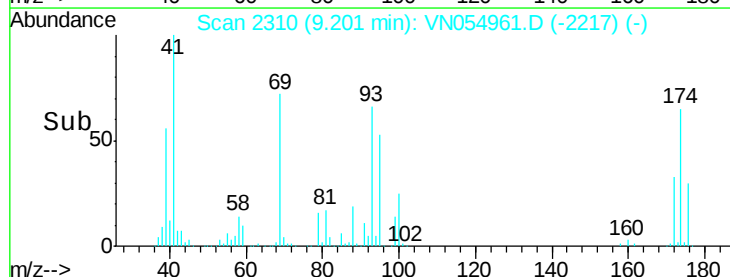
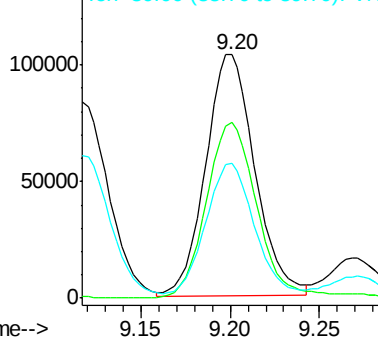
41 100

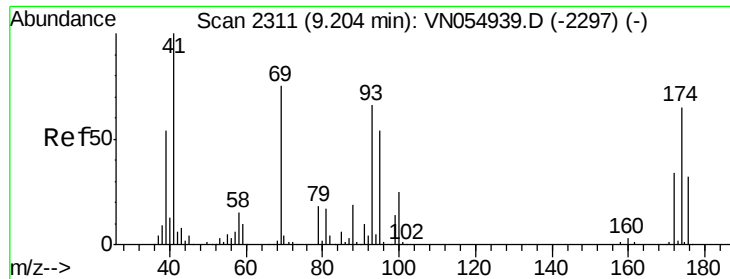
69 74.7 58.9 88.3

39 55.0 44.2 66.4



Abundance Ion 41.00 (40.70 to 41.70): VN054961.D (-2217) (-)





#49

1,4-Dioxane

Concen: 987.320 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :

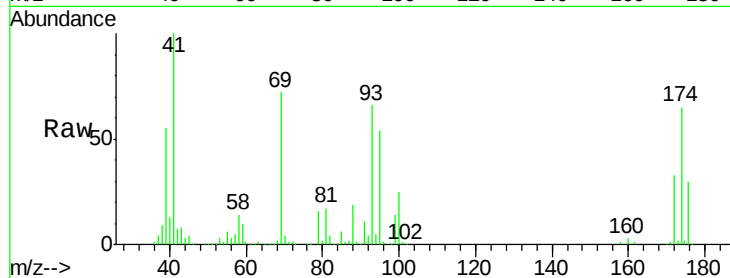
Tot Ion: 88 Resp: 40478

Ion Ratio Lower Upper

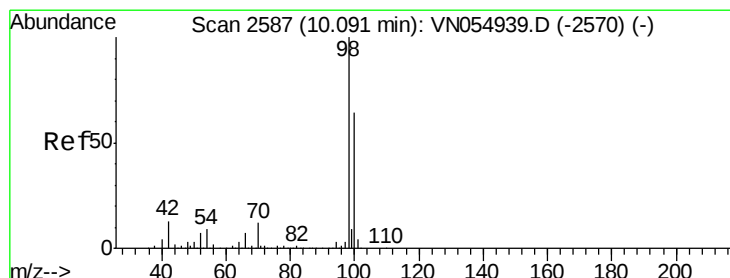
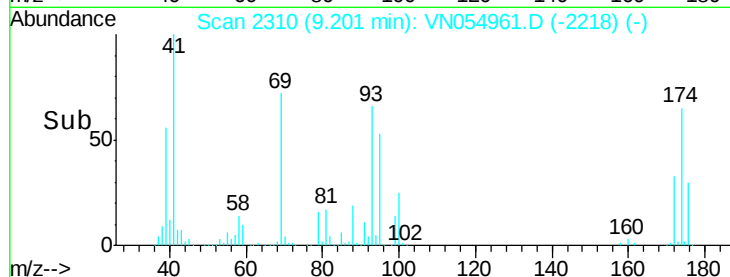
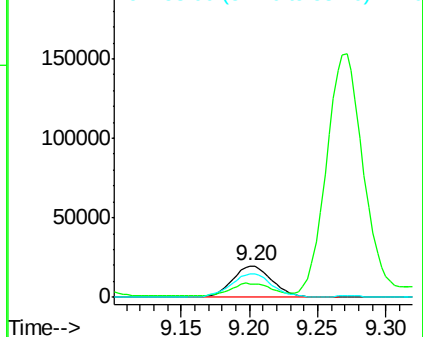
88 100

43 40.6 31.5 47.3

58 77.1 61.9 92.9



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



#50

Toluene-d8

Concen: 51.891 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054961.D

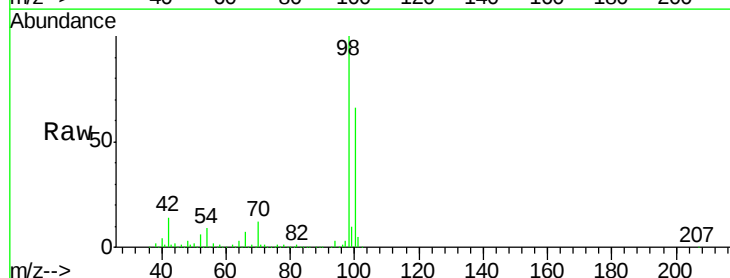
Acq: 5 Apr 2019 9:02

Tgt Ion: 98 Resp: 897397

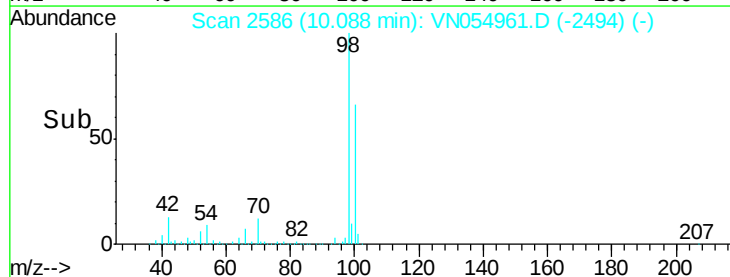
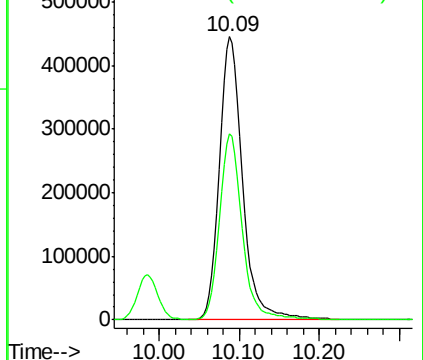
Ion Ratio Lower Upper

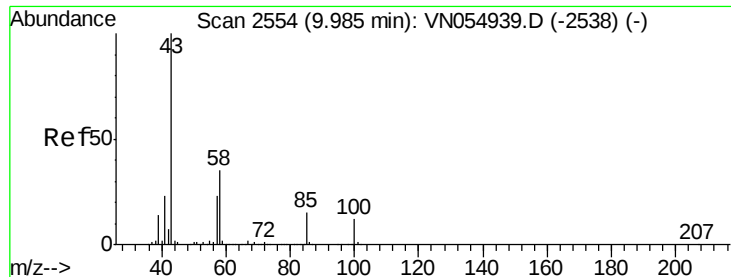
98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

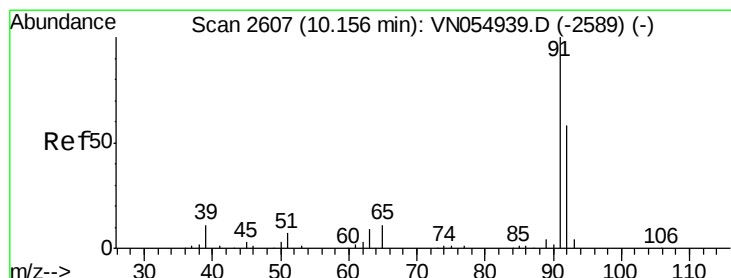
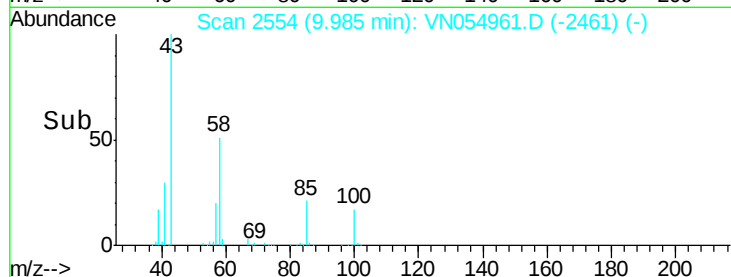
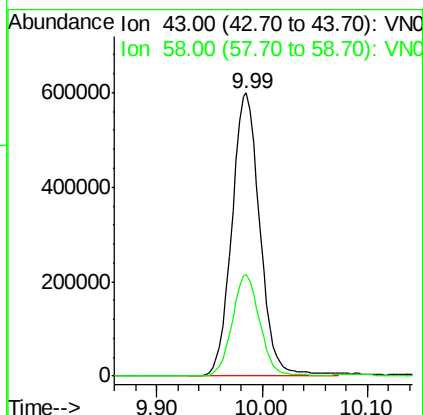
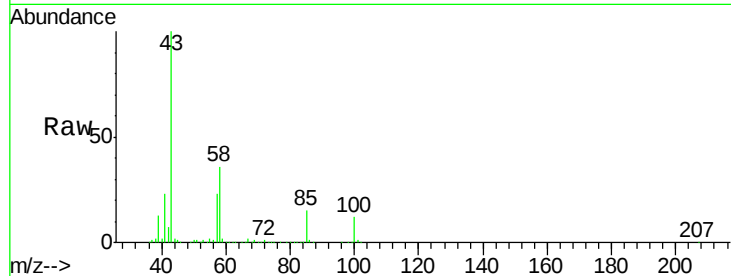




#51
 4-Methyl-2-Pentanone
 Concen: 245.765 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

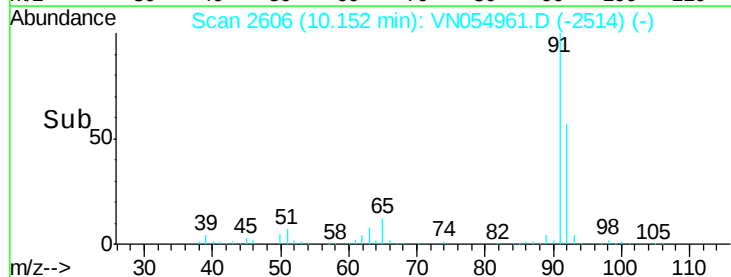
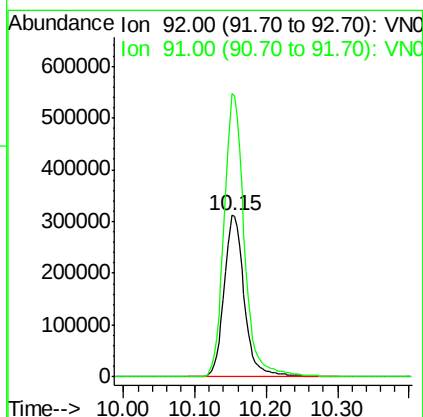
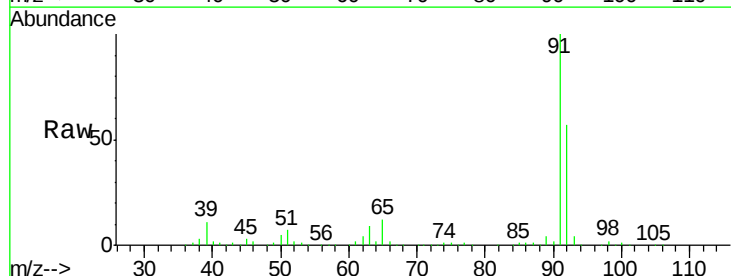
Instrument :
 MSVOA_N
 ClientSampleId :

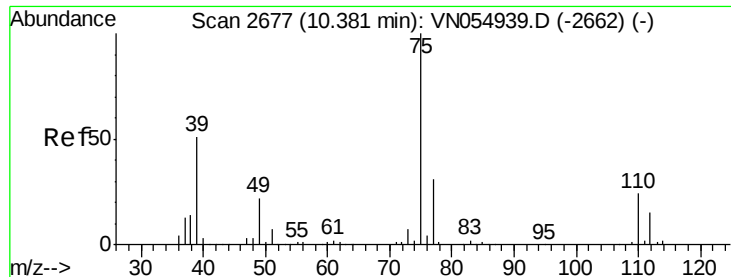
Tot Ion: 43 Resp: 1100085
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.3 42.5



#52
 Toluene
 Concen: 52.351 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 92 Resp: 616002
 Ion Ratio Lower Upper
 92 100
 91 175.8 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 48.396 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

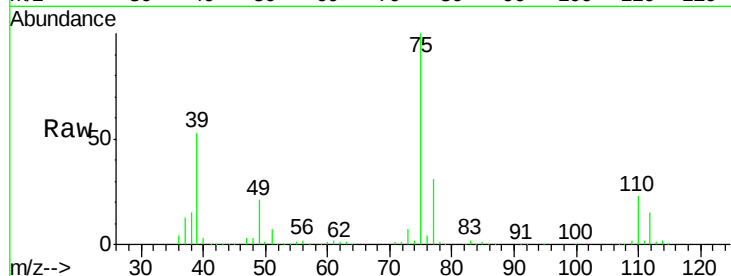
ClientSampled :

Tot Ion: 75 Resp: 331107

Ion Ratio Lower Upper

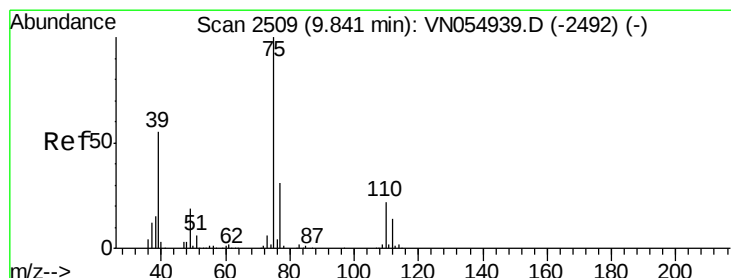
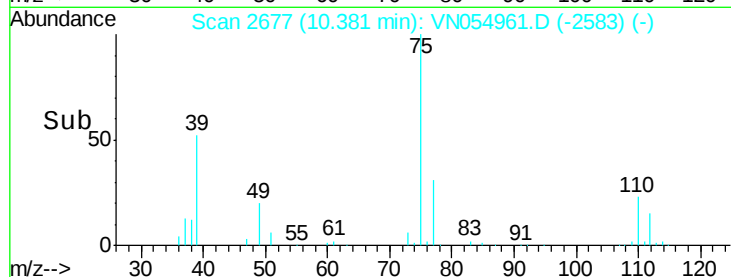
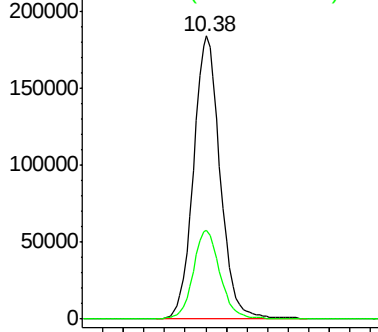
75 100

77 31.2 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.513 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

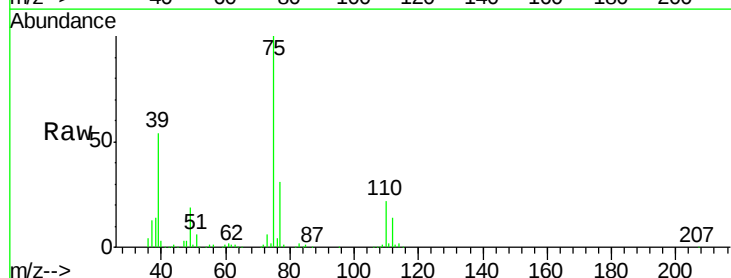
Tgt Ion: 75 Resp: 406466

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

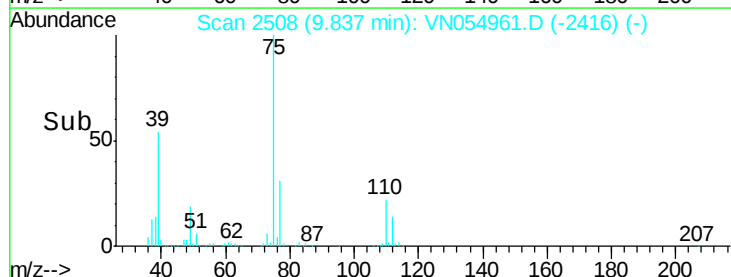
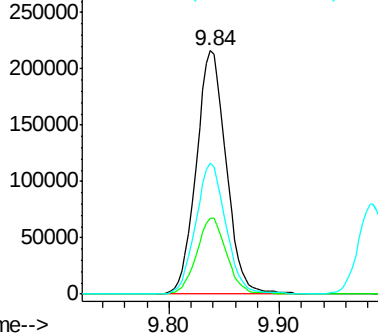
39 53.6 43.9 65.9

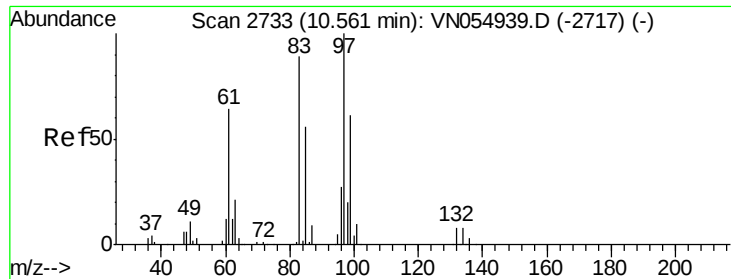


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

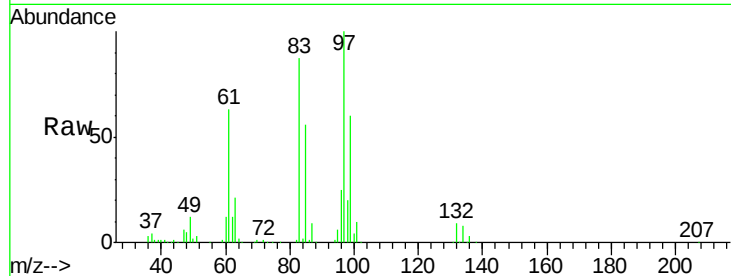




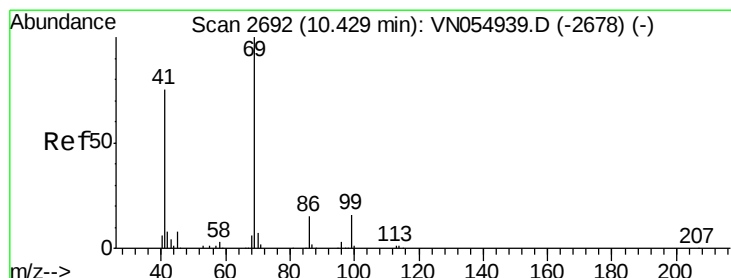
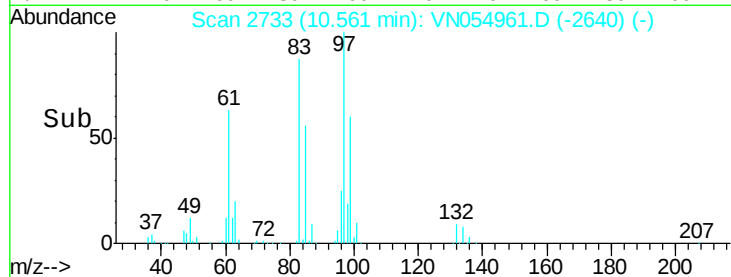
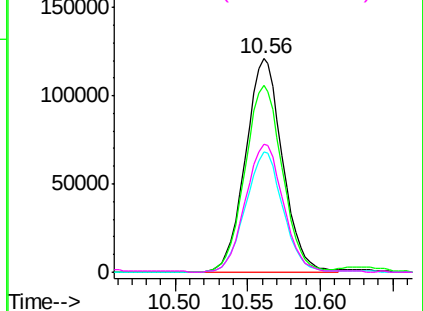
#55
 1,1,2-Trichloroethane
 Concen: 50.476 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 215341
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.5 107.3
 85 56.1 45.0 67.6
 99 59.8 49.1 73.7

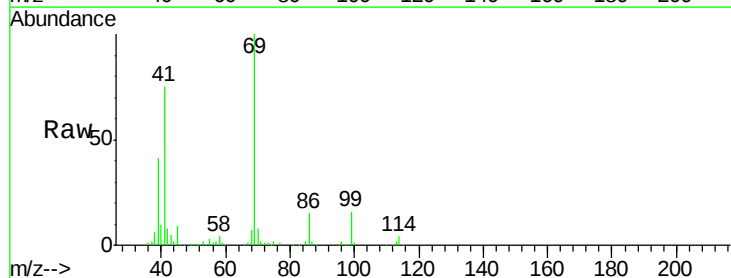


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

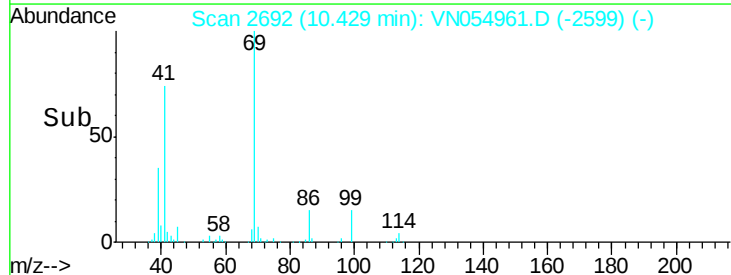
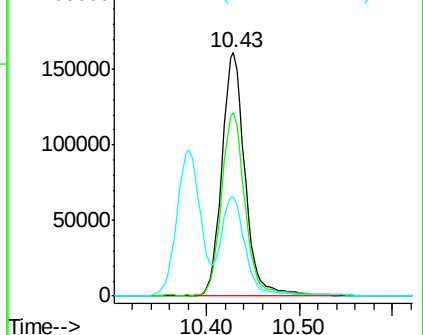


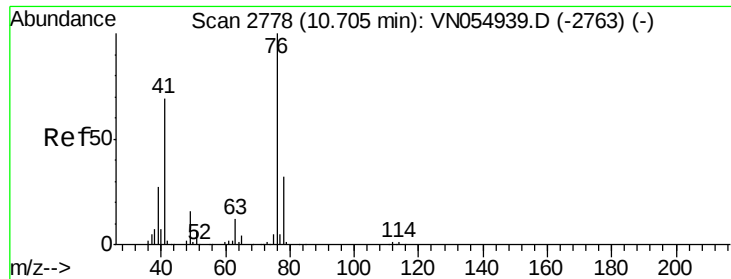
#56
 Ethyl methacrylate
 Concen: 50.169 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 69 Resp: 279834
 Ion Ratio Lower Upper
 69 100
 41 74.9 60.2 90.2
 39 41.6 31.3 46.9



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





#57

1,3-Dichloropropane

Concen: 50.573 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

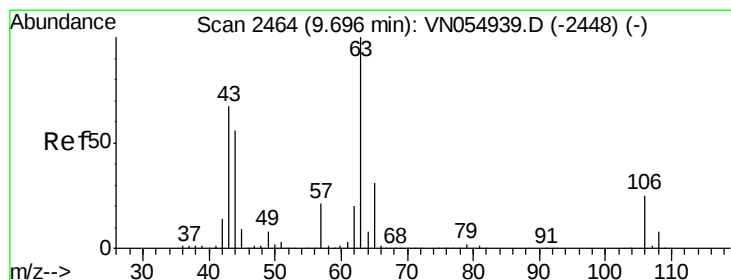
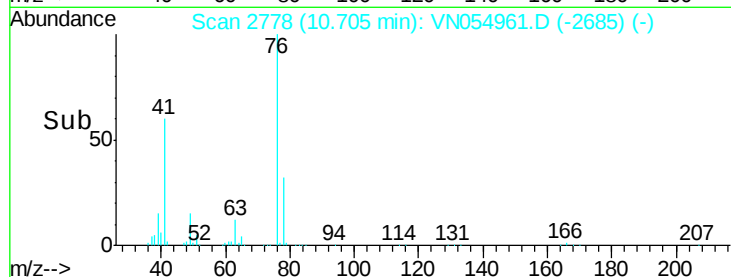
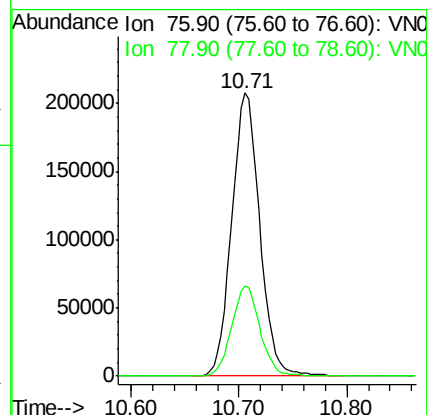
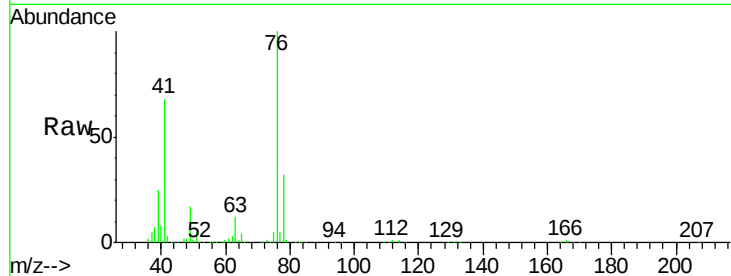
ClientSampled :

Tot Ion: 76 Resp: 376802

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 232.374 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054961.D

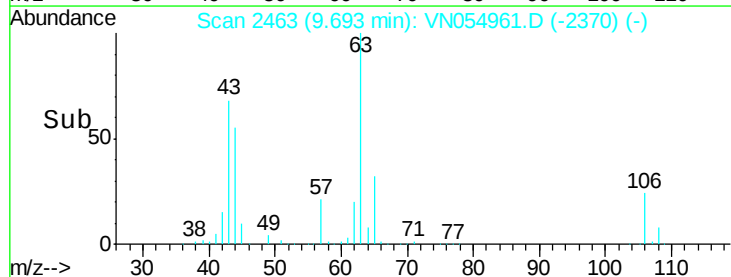
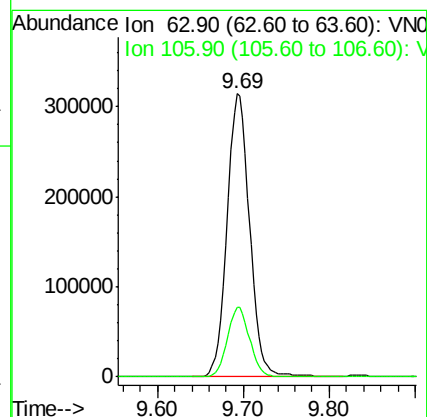
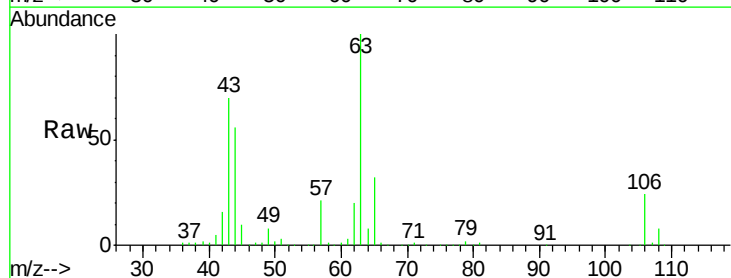
Acq: 5 Apr 2019 9:02

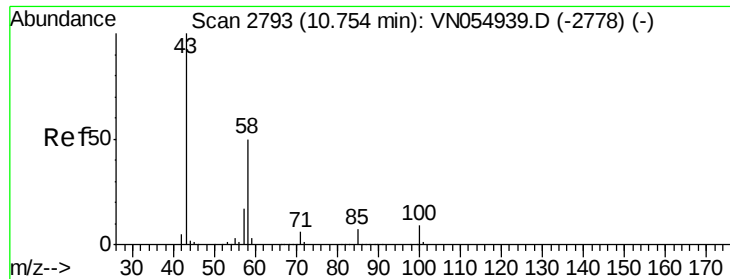
Tgt Ion: 63 Resp: 573962

Ion Ratio Lower Upper

63 100

106 24.2 19.7 29.5

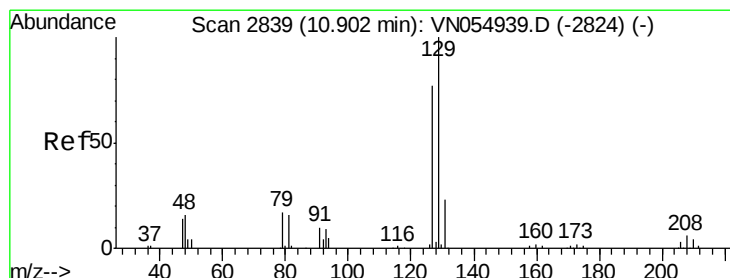
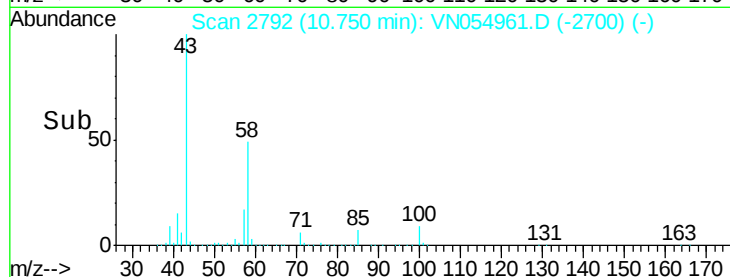
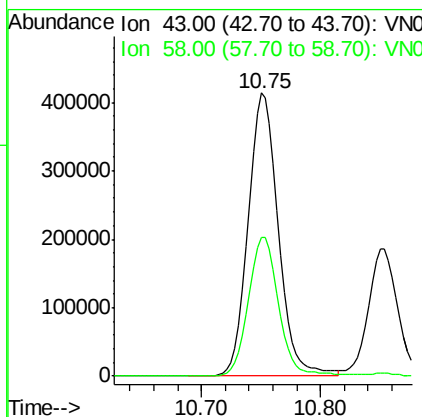
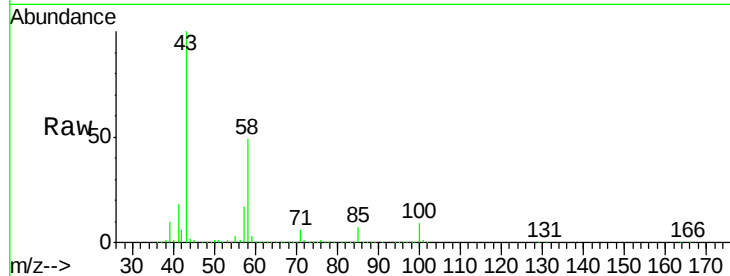




#59
2-Hexanone
Concen: 259.849 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

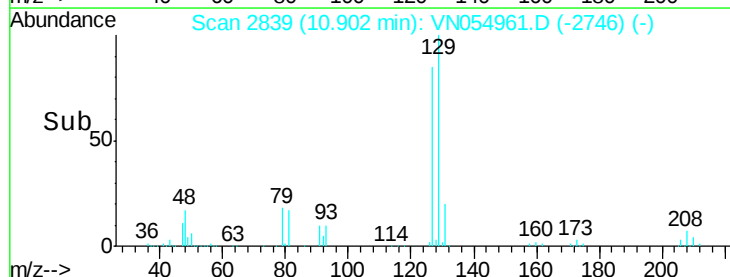
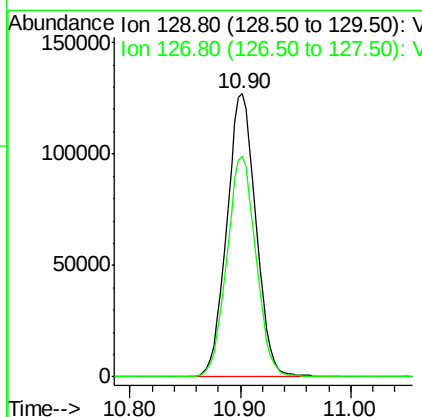
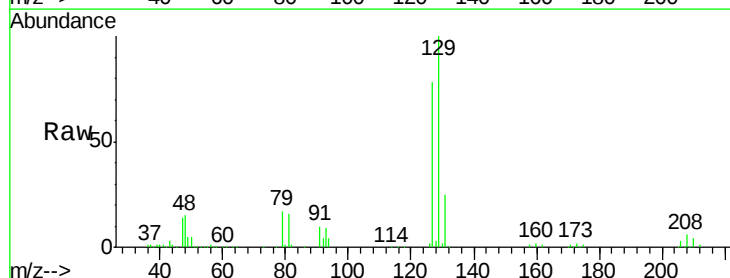
Instrument :
MSVOA_N
ClientSampled :

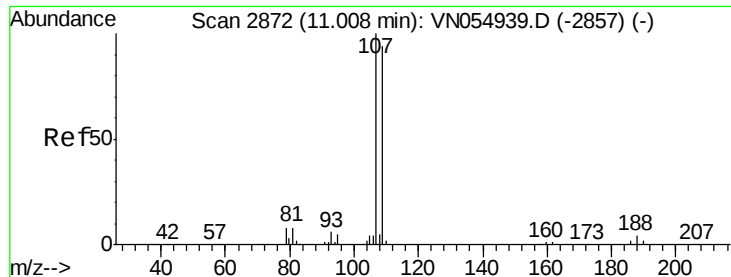
Tot Ion: 43 Resp: 726506
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.8



#60
Dibromochloromethane
Concen: 52.118 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:129 Resp: 232893
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

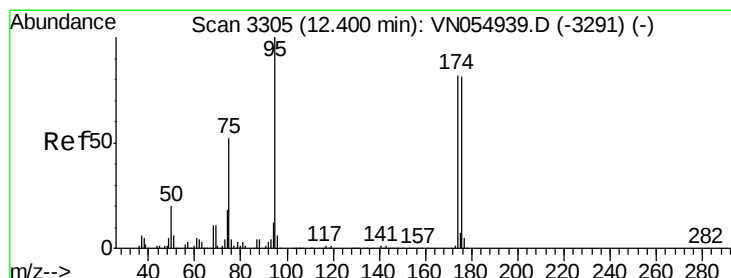
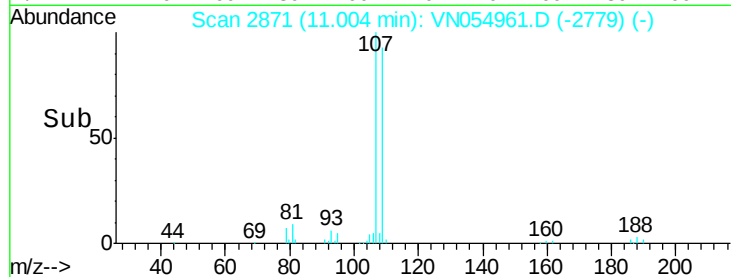
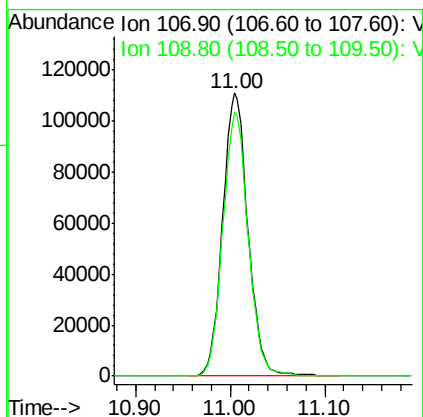
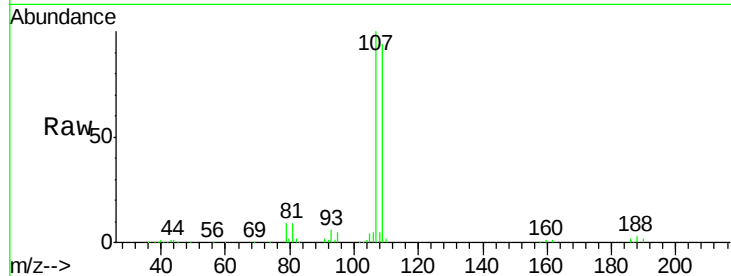




#61
 1,2-Dibromoethane
 Concen: 51.492 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

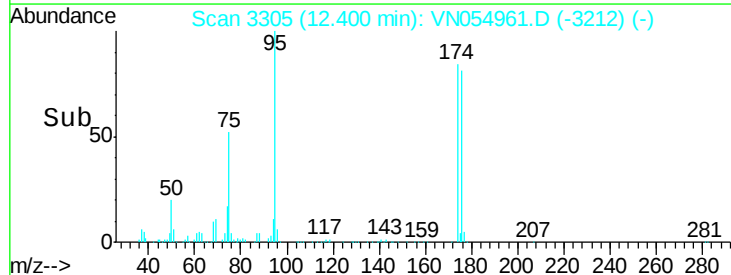
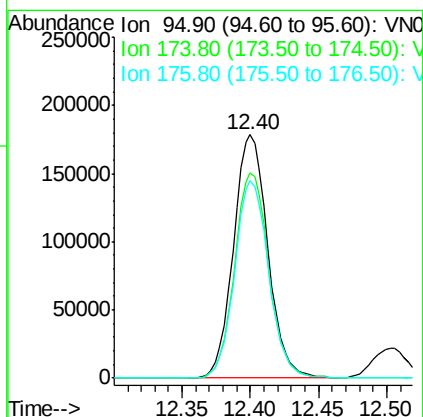
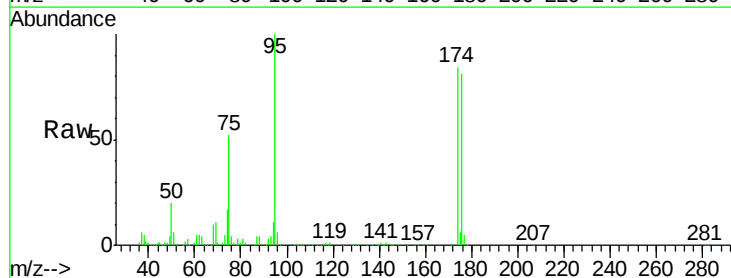
Instrument :
 MSVOA_N
 ClientSampled :

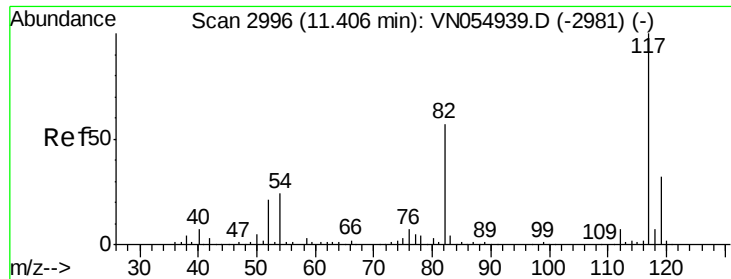
Tot Ion: 107 Resp: 206545
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.938 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 95 Resp: 311297
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 166.2
 176 80.9 0.0 163.2

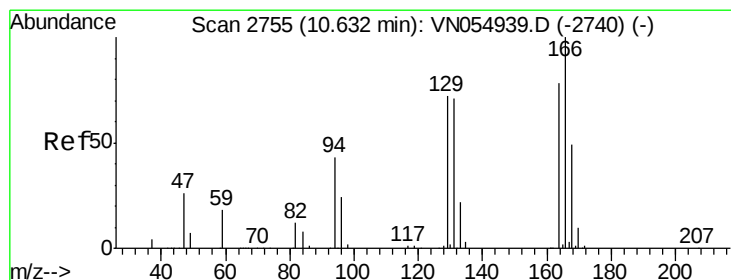
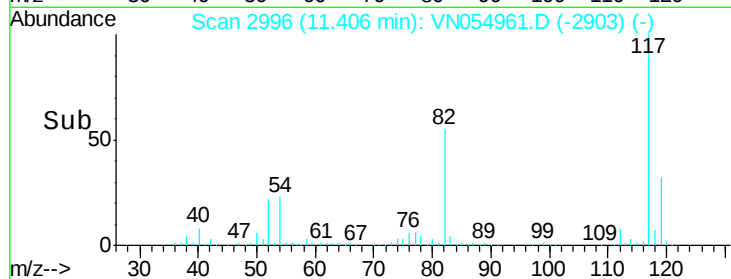
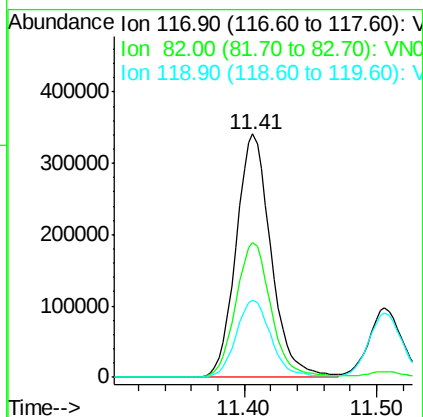
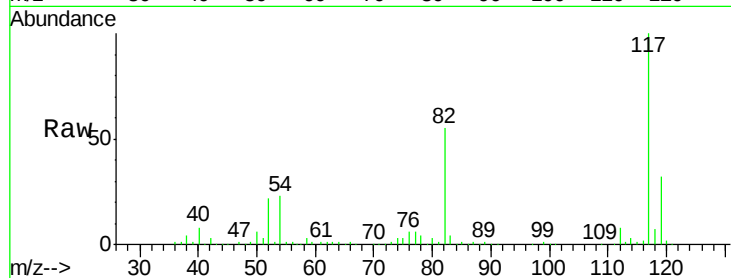




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

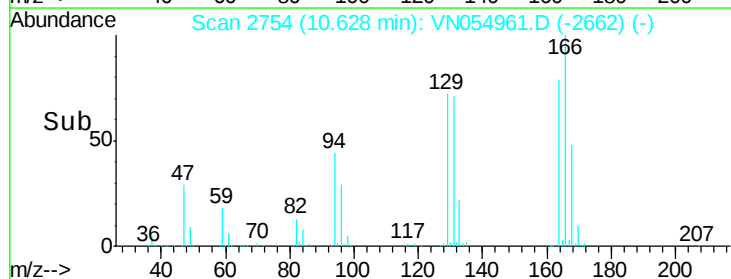
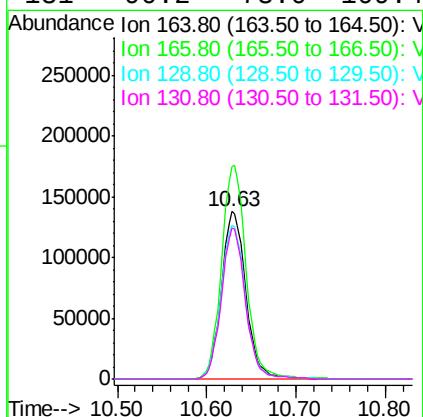
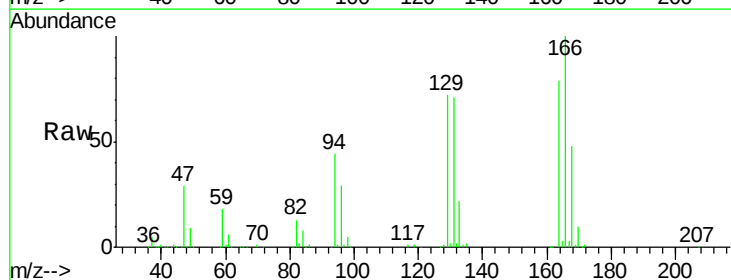
Instrument :
MSVOA_N
ClientSampled :

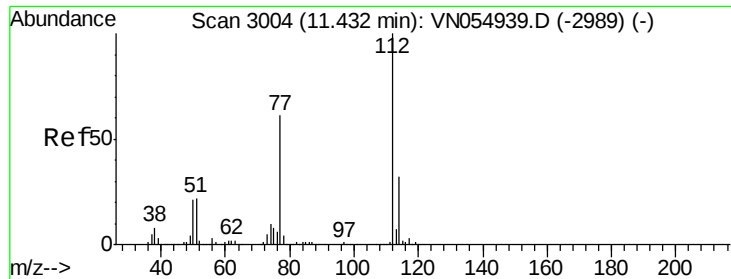
Tot Ion:117 Resp: 623521
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 51.928 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:164 Resp: 261134
Ion Ratio Lower Upper
164 100
166 127.3 103.1 154.7
129 92.0 73.9 110.9
131 90.2 73.0 109.4

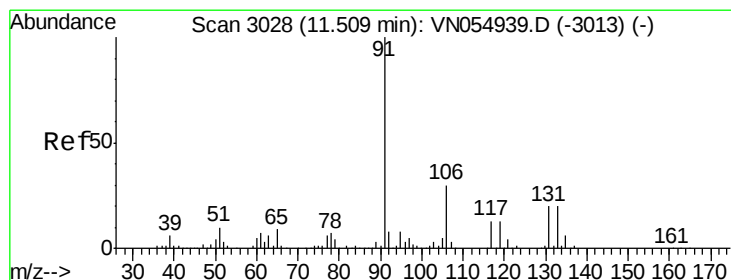
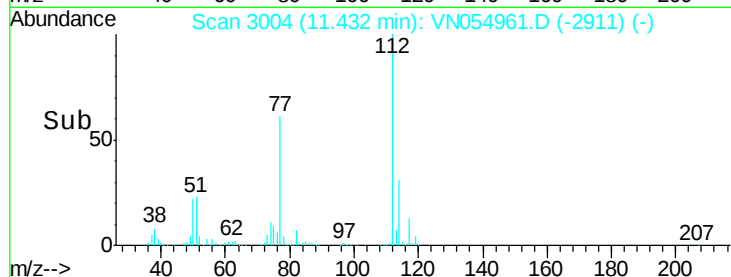
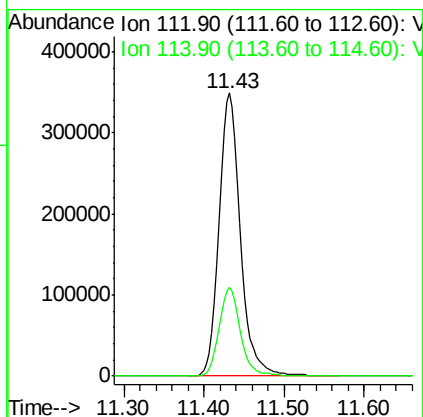
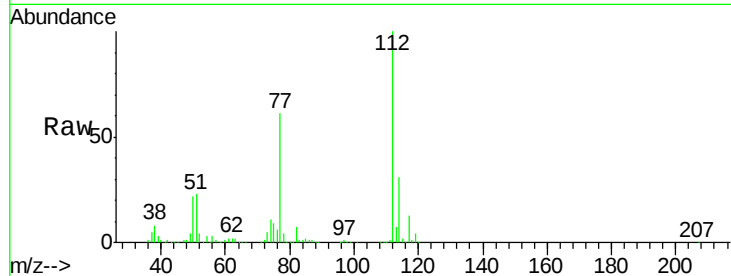




#65
Chlorobenzene
Concen: 50.845 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

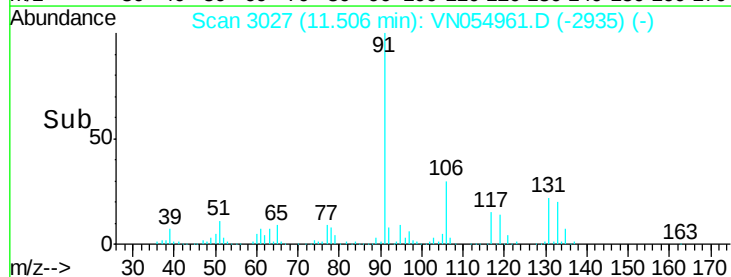
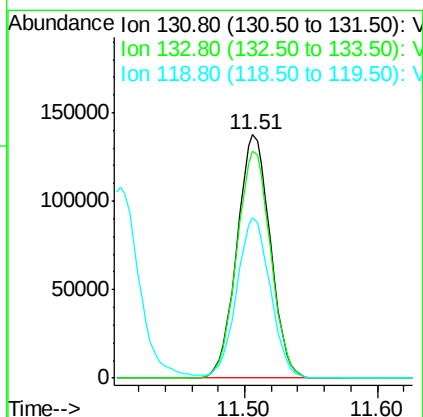
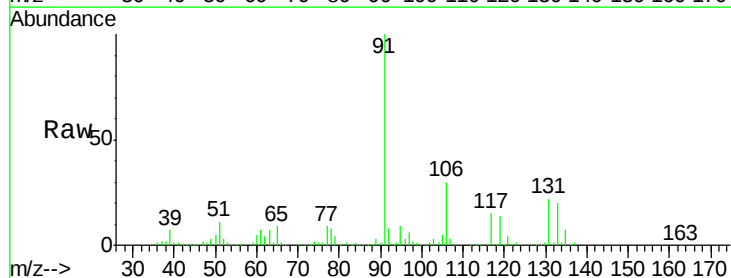
Instrument :
MSVOA_N
ClientSampleId :

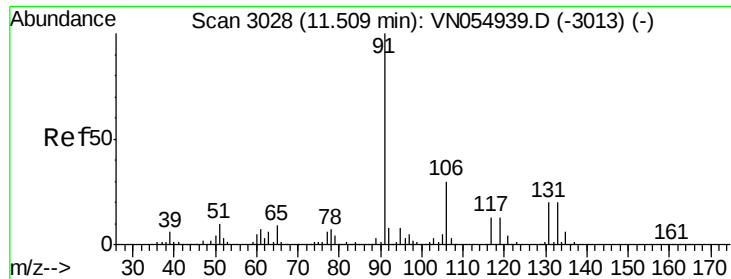
Tot Ion:112 Resp: 646205
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.614 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:131 Resp: 240173
Ion Ratio Lower Upper
131 100
133 94.5 48.1 144.4
119 66.0 33.1 99.2

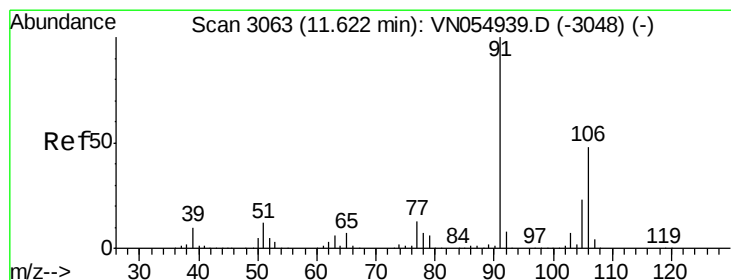
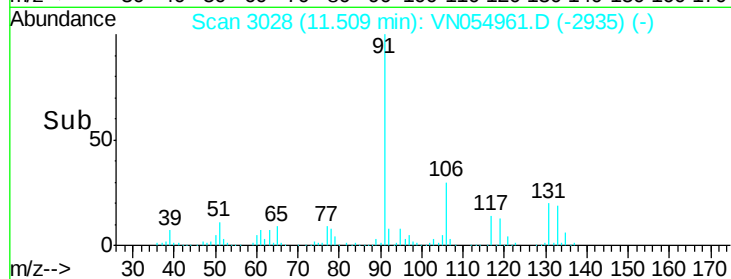
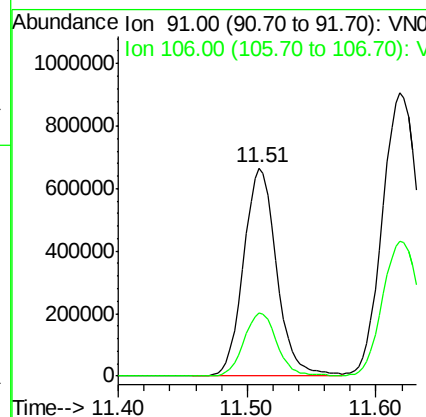
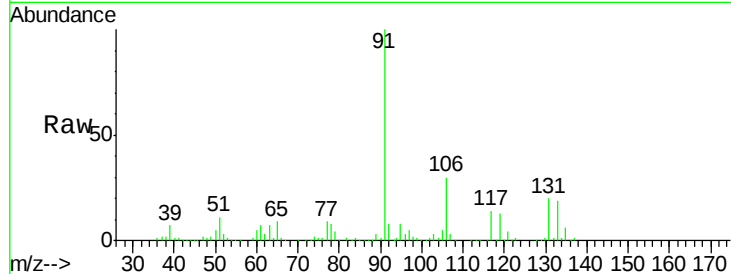




#67
Ethyl Benzene
Concen: 51.833 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

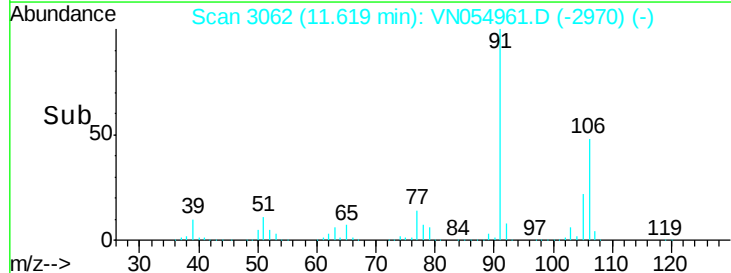
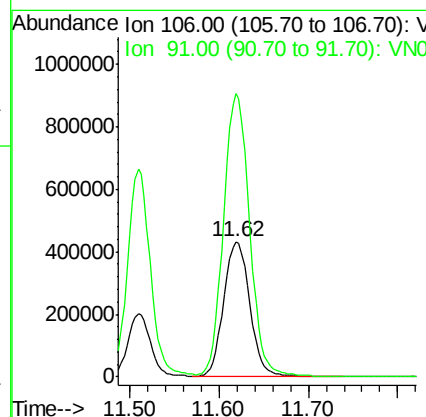
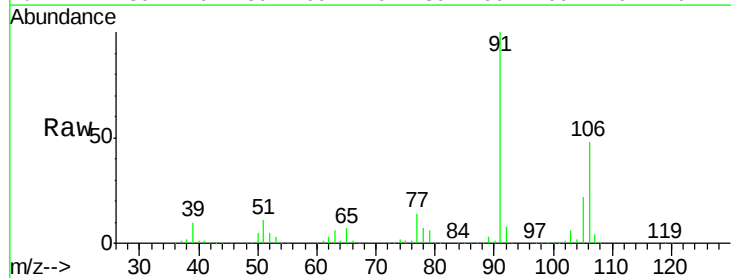
Instrument :
MSVOA_N
ClientSampled :

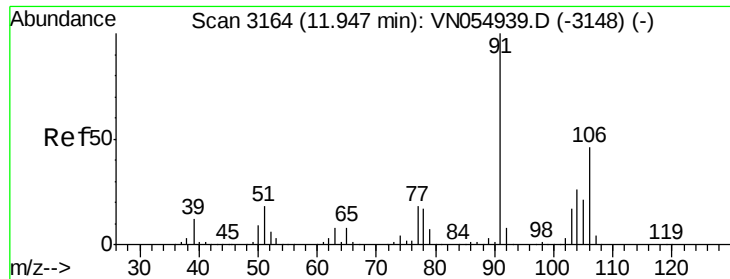
Tot Ion: 91 Resp: 1187758
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1



#68
m/p-Xylenes
Concen: 105.624 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 106 Resp: 884801
Ion Ratio Lower Upper
106 100
91 207.8 167.4 251.2

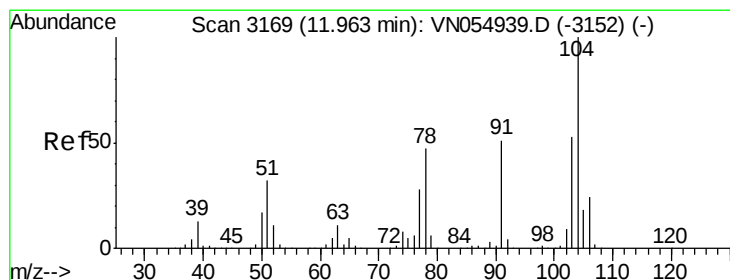
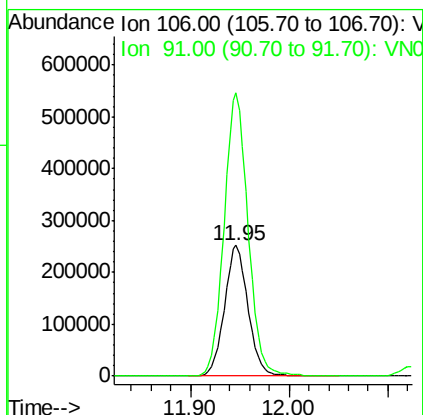
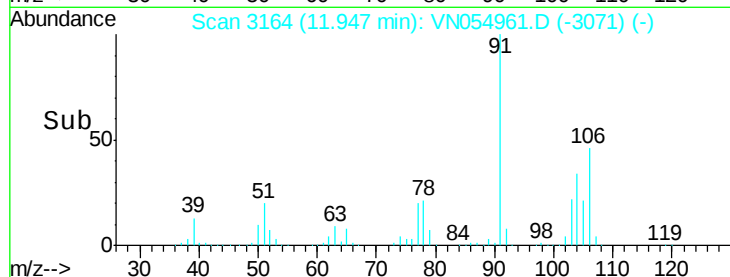
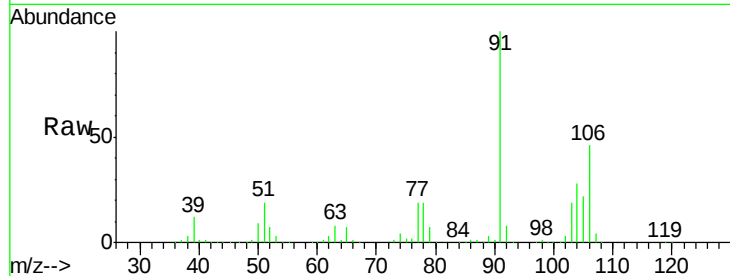




#69
o-Xylene
Concen: 51.757 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

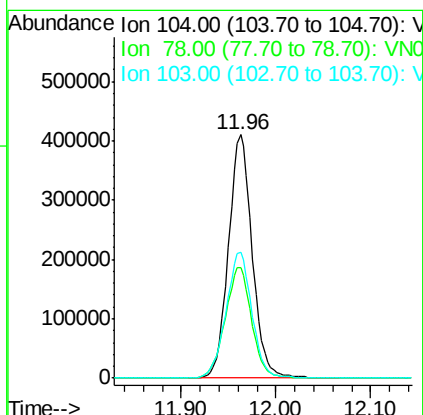
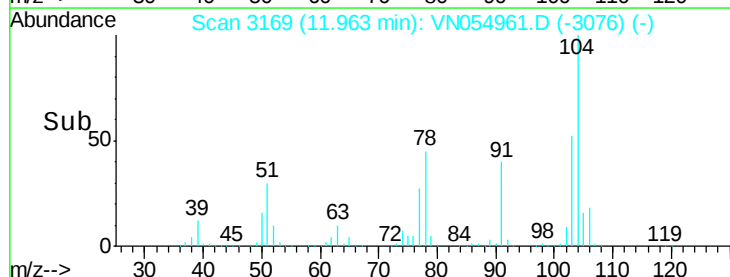
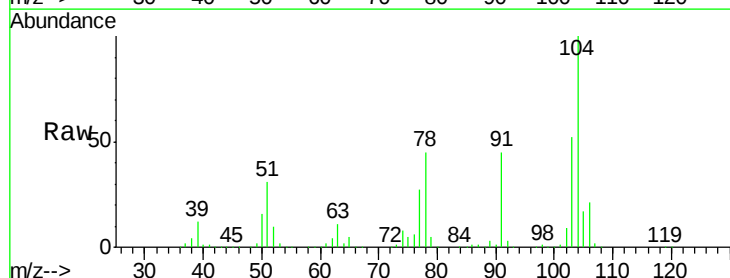
Instrument :
MSVOA_N
ClientSampled :

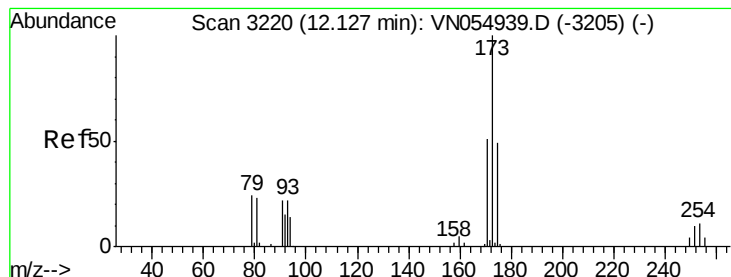
Tot Ion:106 Resp: 422902
Ion Ratio Lower Upper
106 100
91 220.3 109.9 329.7



#70
Styrene
Concen: 54.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion:104 Resp: 715958
Ion Ratio Lower Upper
104 100
78 50.9 41.1 61.7
103 56.5 45.0 67.4





#71

Bromoform

Concen: 50.705 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

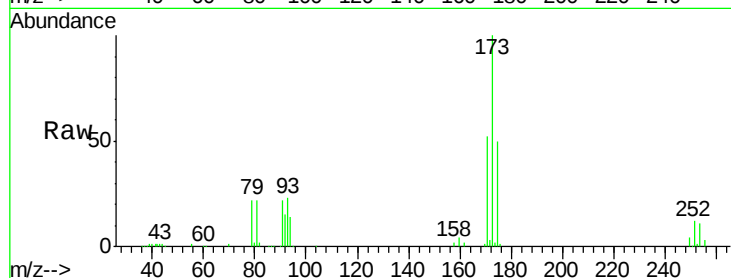
Tot Ion:173 Resp: 141818

Ion Ratio Lower Upper

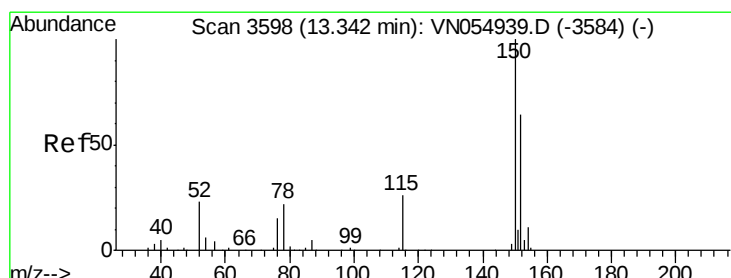
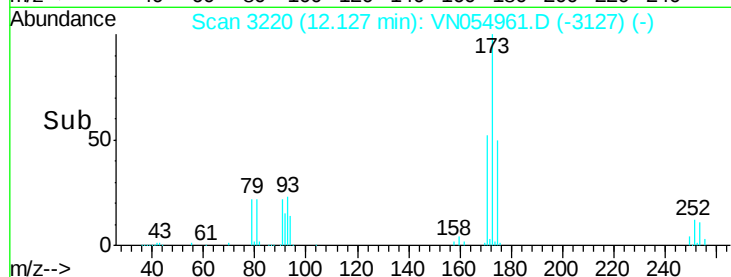
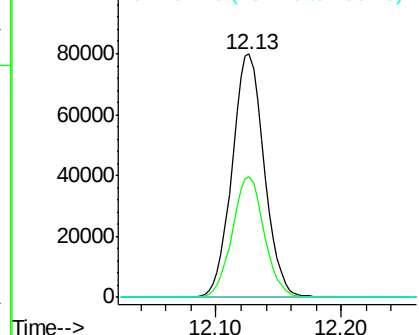
173 100

175 49.5 24.1 72.4

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

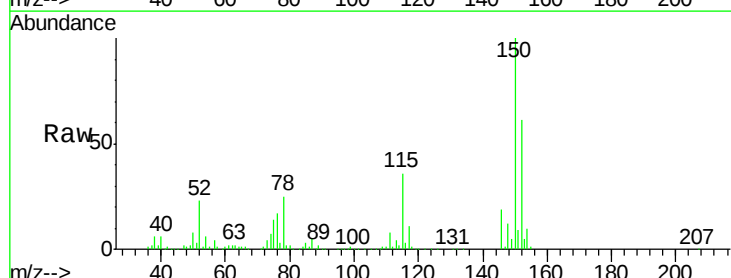
Tgt Ion:152 Resp: 284780

Ion Ratio Lower Upper

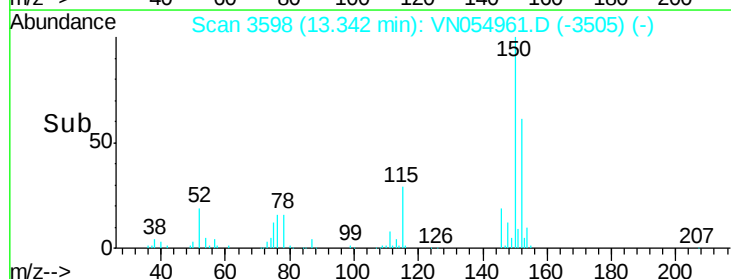
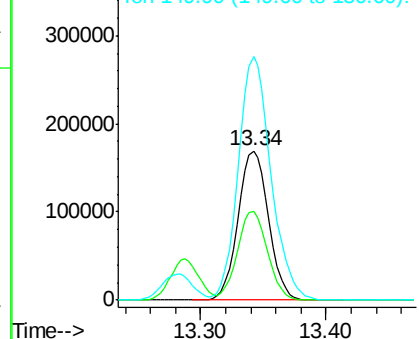
152 100

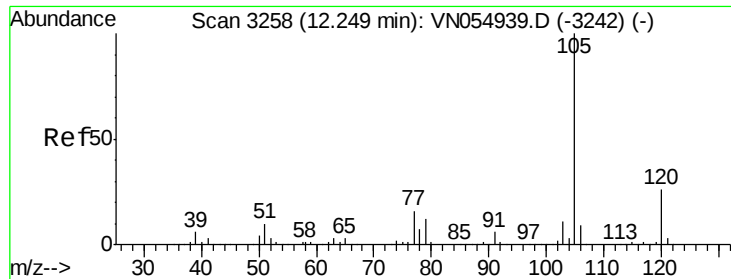
115 58.7 28.9 86.8

150 175.2 0.0 345.4



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: 47.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

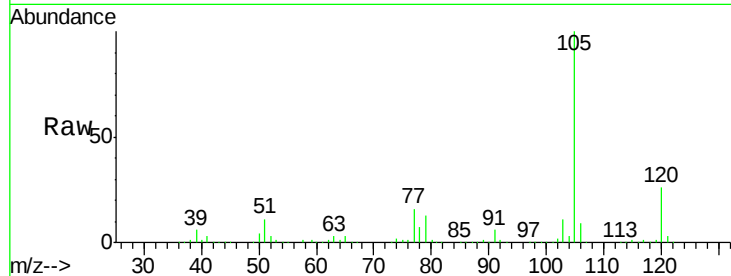
ClientSampled :

Tot Ion:105 Resp: 1143559

Ion Ratio Lower Upper

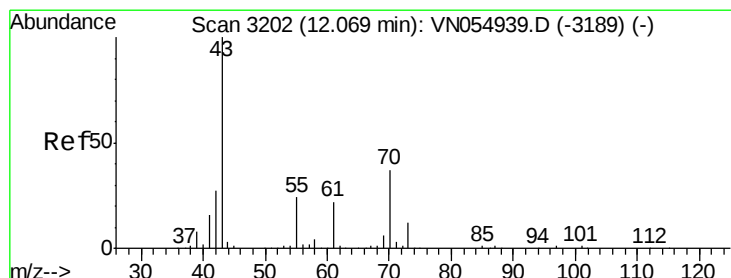
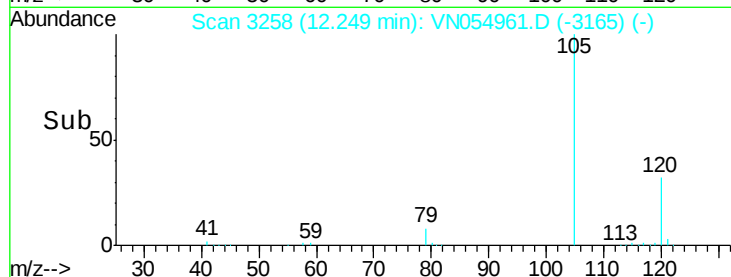
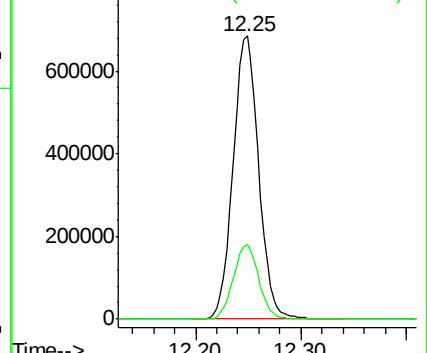
105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.541 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Tgt Ion: 43 Resp: 324579

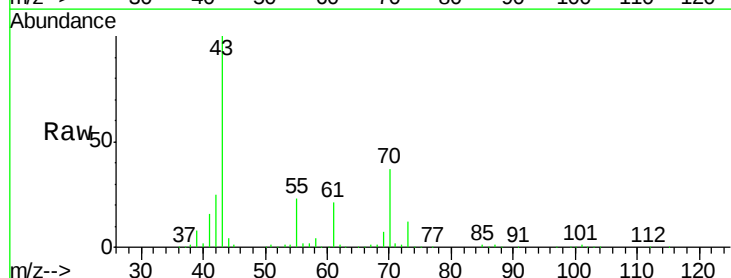
Ion Ratio Lower Upper

43 100

70 37.4 29.3 43.9

55 24.8 19.2 28.8

61 21.8 17.4 26.2

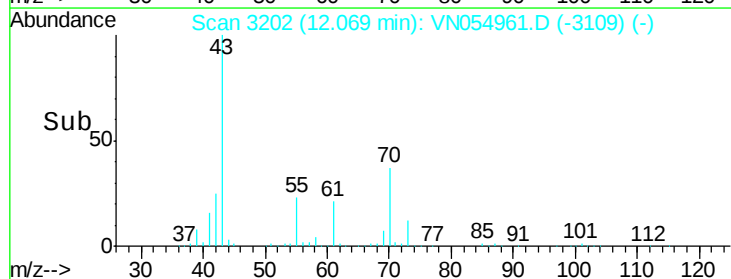
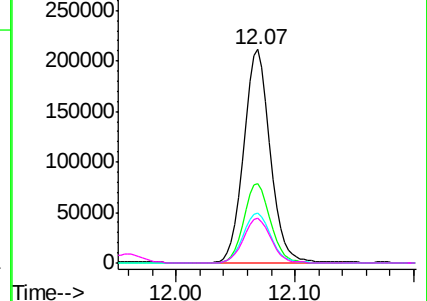


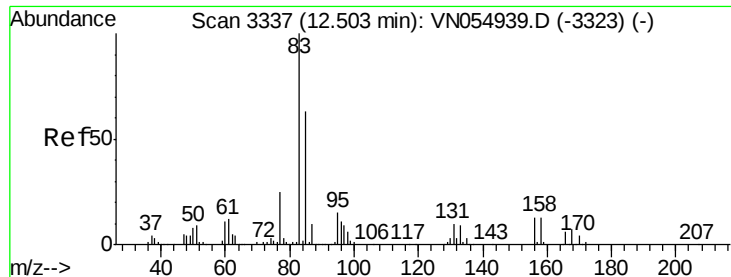
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.709 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

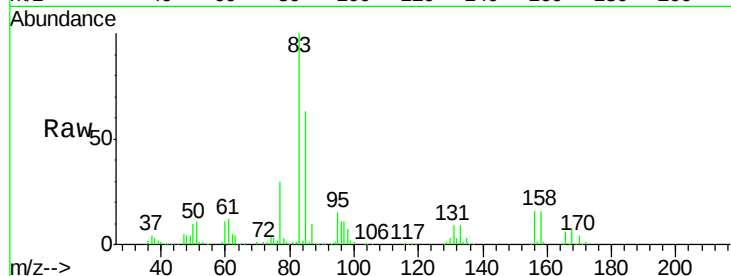
Tot Ion: 83 Resp: 255748

Ion Ratio Lower Upper

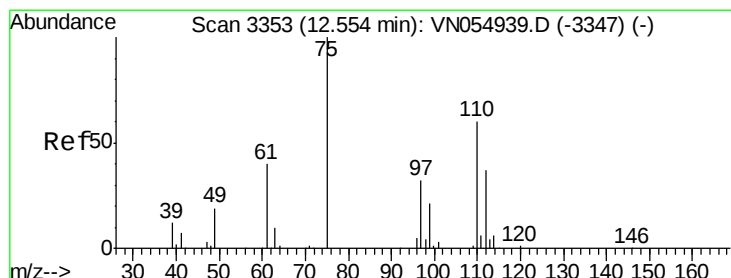
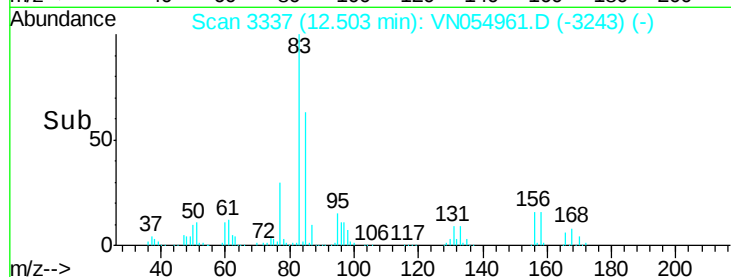
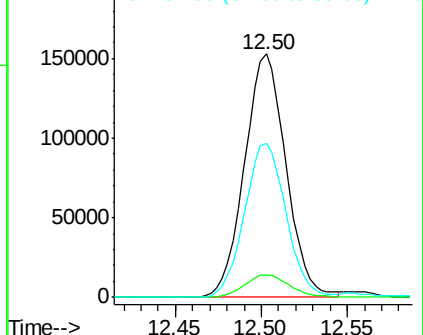
83 100

131 10.0 5.0 15.0

85 63.3 31.4 94.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 72.260 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054961.D

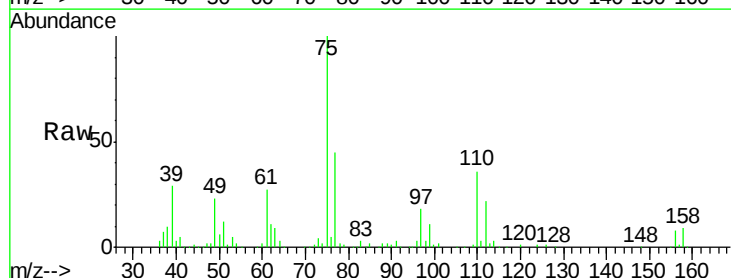
Acq: 5 Apr 2019 9:02

Tgt Ion: 75 Resp: 309476

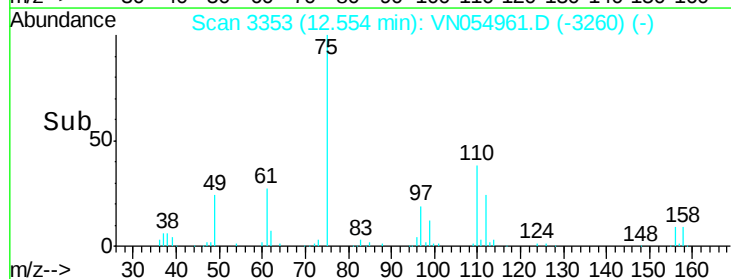
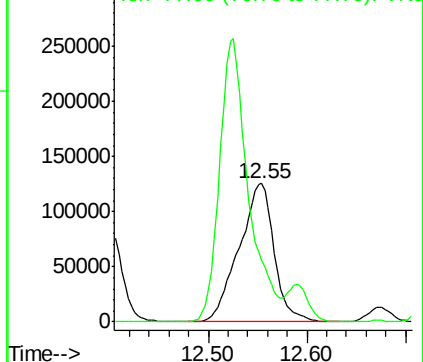
Ion Ratio Lower Upper

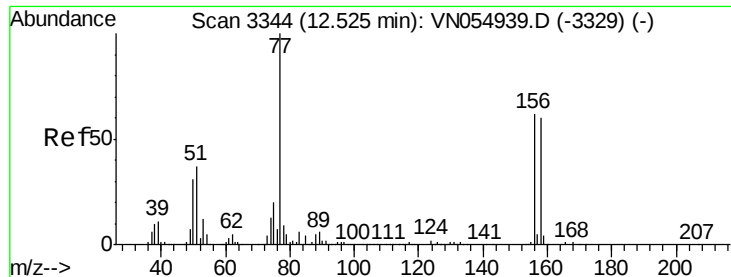
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.776 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

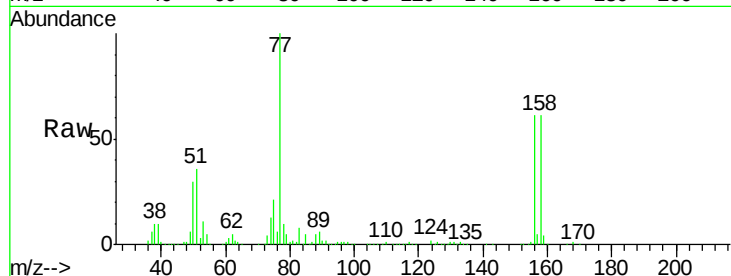
Tot Ion:156 Resp: 278340

Ion Ratio Lower Upper

156 100

77 189.5 93.1 279.3

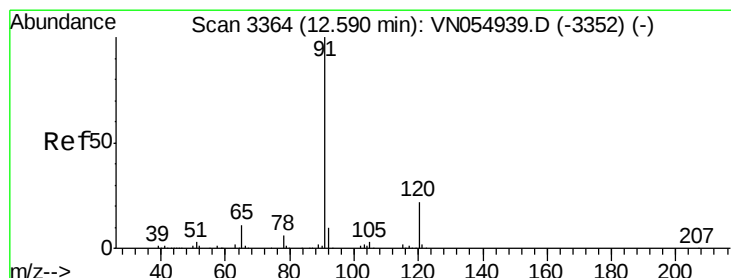
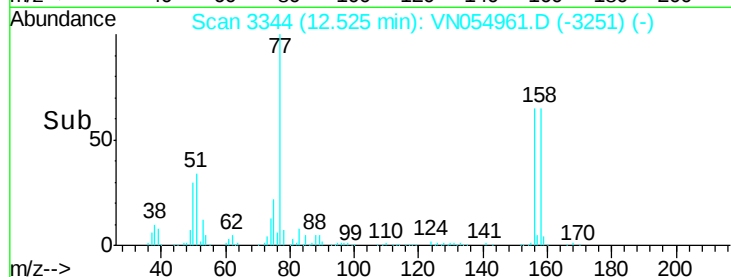
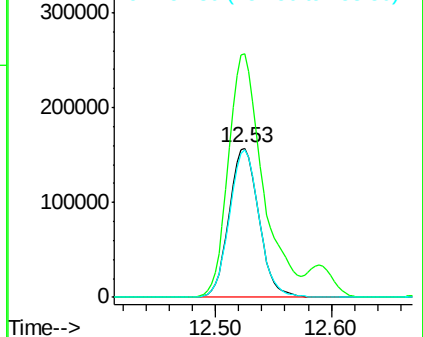
158 98.3 48.4 145.3



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: 49.795 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054961.D

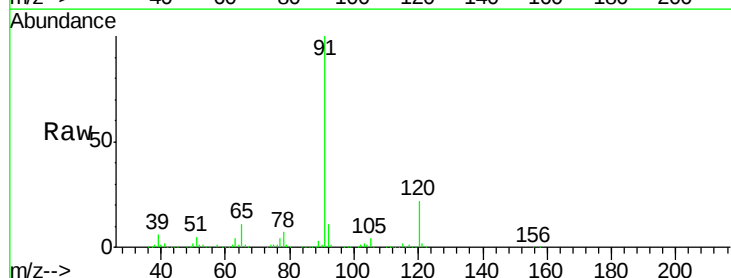
Acq: 5 Apr 2019 9:02

Tgt Ion: 91 Resp: 1319771

Ion Ratio Lower Upper

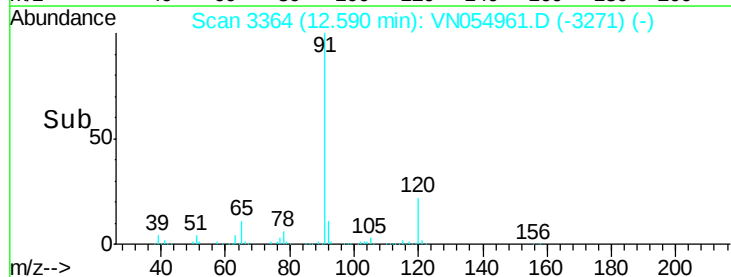
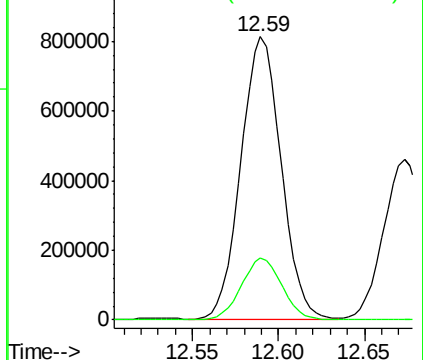
91 100

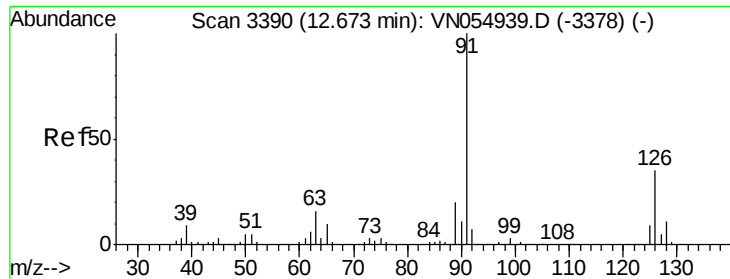
120 22.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

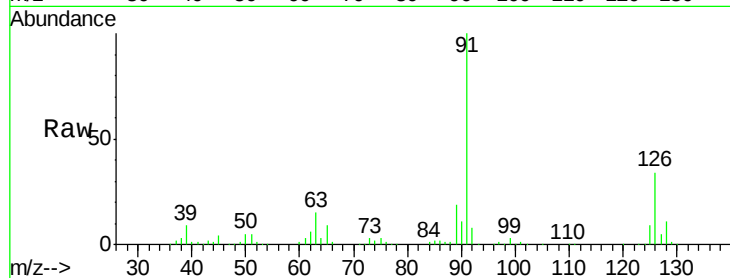




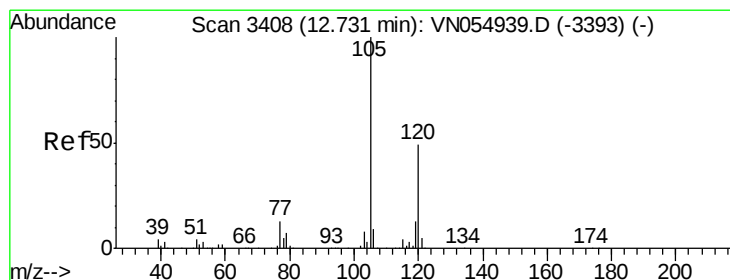
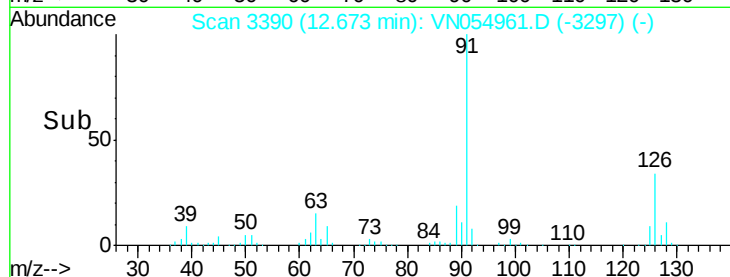
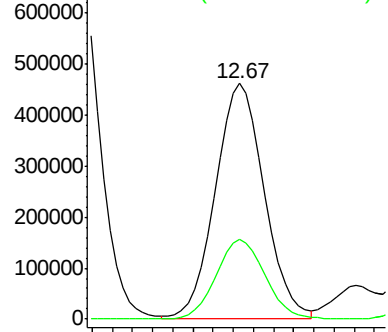
#79
 2-Chlorotoluene
 Concen: 47.467 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 779689
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.4 52.2

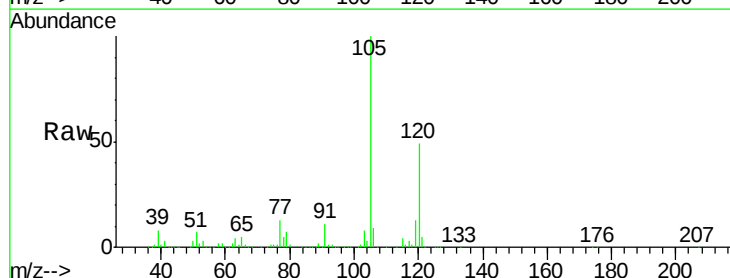


Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN054939.D (-3378) (-)

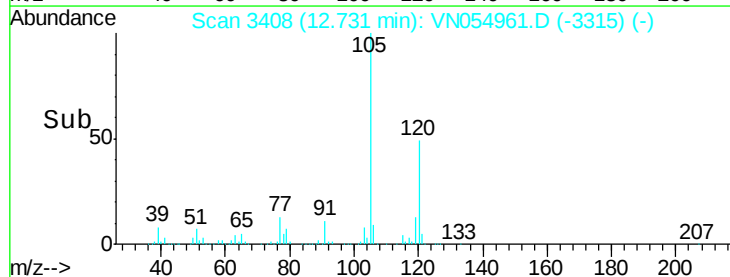
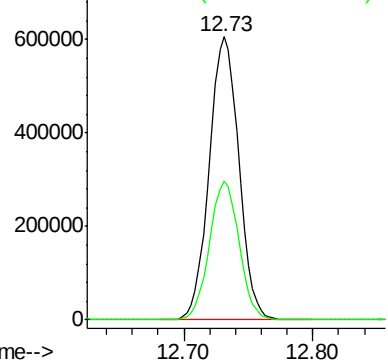


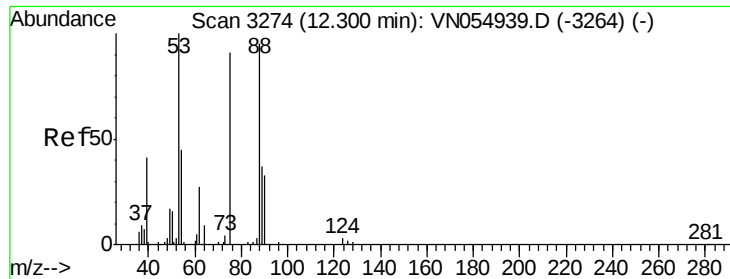
#80
 1,3,5-Trimethylbenzene
 Concen: 48.898 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion: 105 Resp: 966069
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)
 Ion 120.00 (119.70 to 120.70): VN054939.D (-3393) (-)

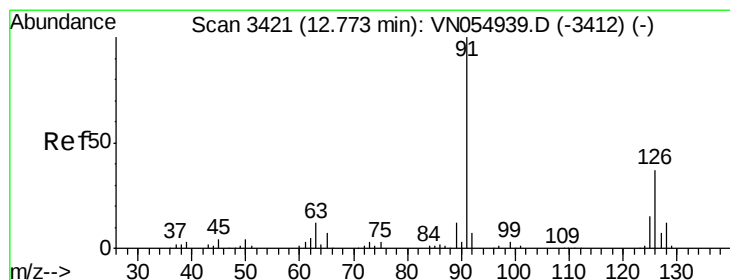
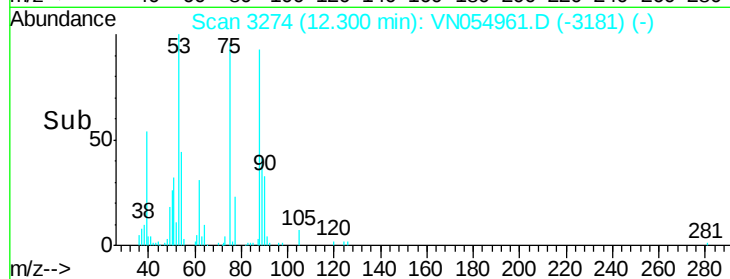
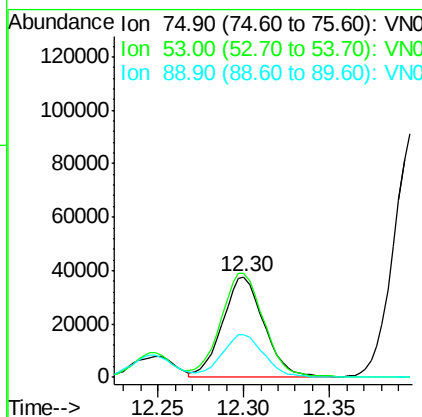
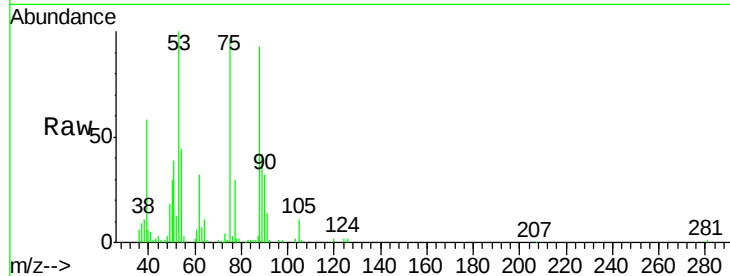




#81
trans-1,4-Dichloro-2-butene
Concen: 50.884 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

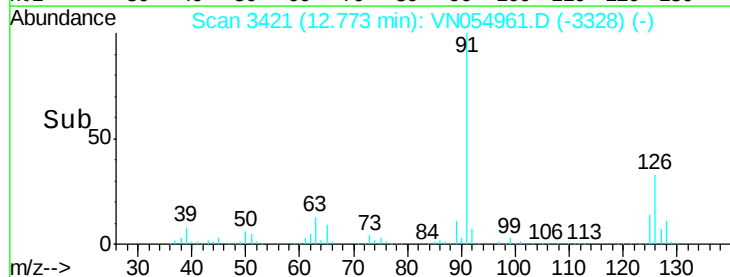
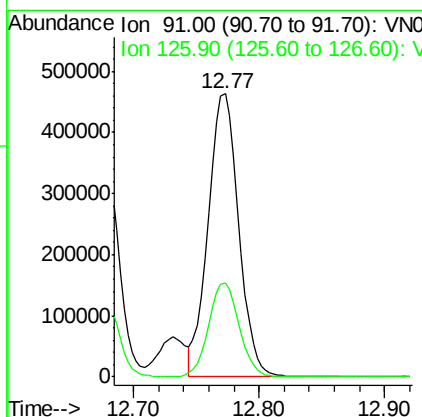
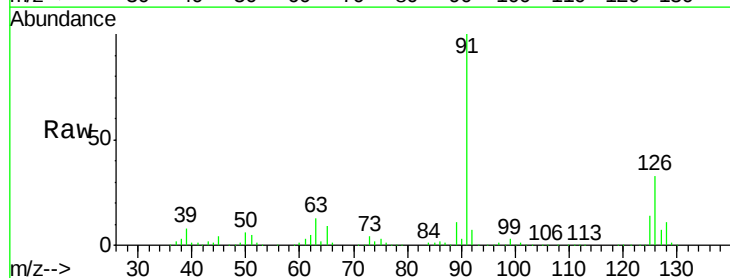
Instrument :
MSVOA_N
ClientSampled :

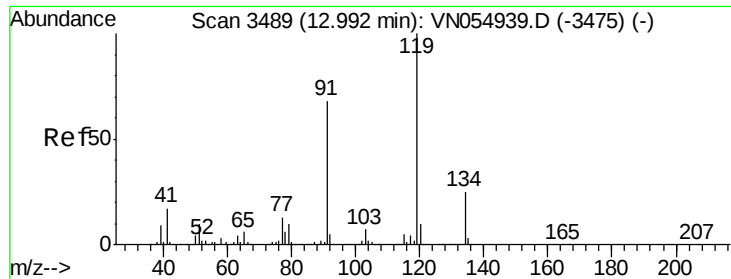
Tot Ion: 75 Resp: 62733
Ion Ratio Lower Upper
75 100
53 108.2 92.8 139.2
89 43.7 36.7 55.1



#82
4-Chlorotoluene
Concen: 50.325 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 91 Resp: 781879
Ion Ratio Lower Upper
91 100
126 33.3 16.9 50.7

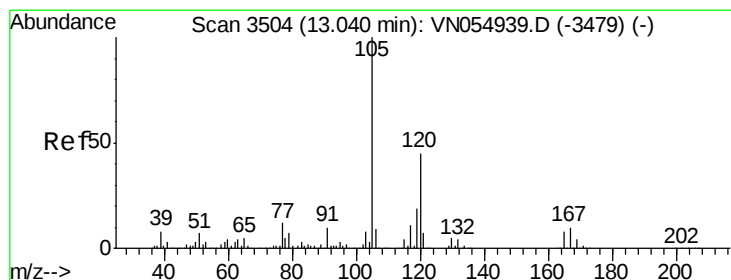
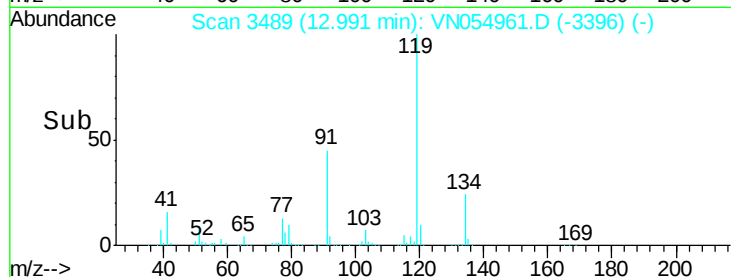
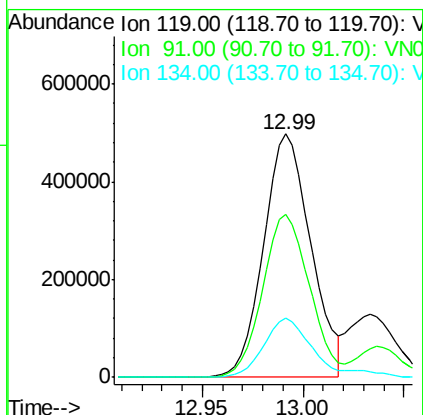
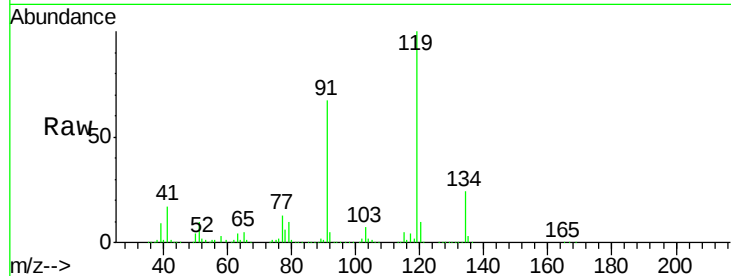




#83
 tert-Butylbenzene
 Concen: 48.261 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

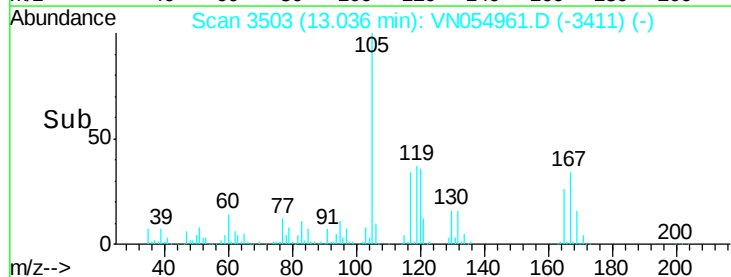
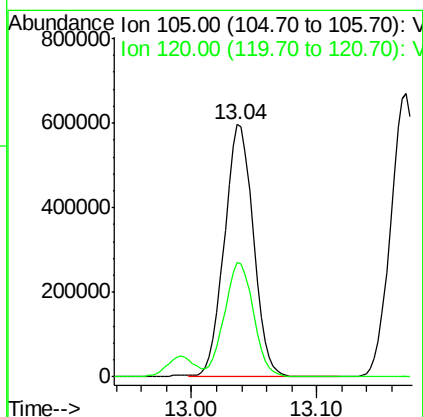
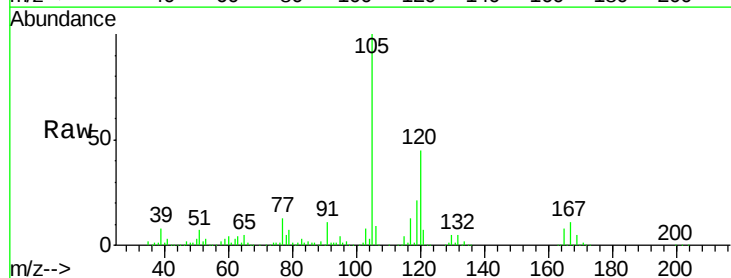
Instrument :
 MSVOA_N
 ClientSampled :

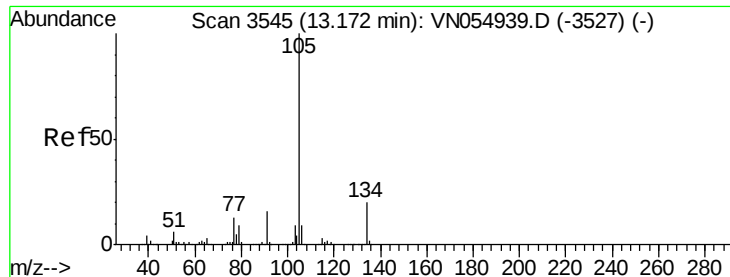
Tot Ion:119 Resp: 811108
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.5 100.5
 134 26.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.077 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion:105 Resp: 957228
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 49.092 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

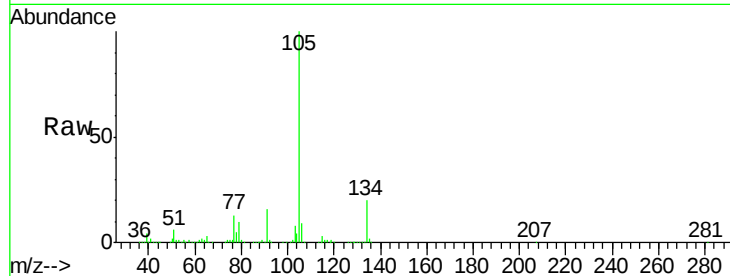
ClientSampleId :

Tot Ion:105 Resp: 1067190

Ion Ratio Lower Upper

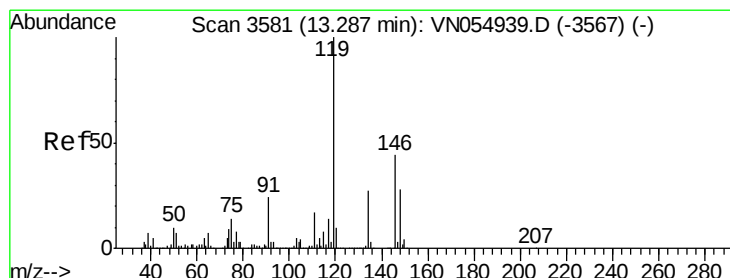
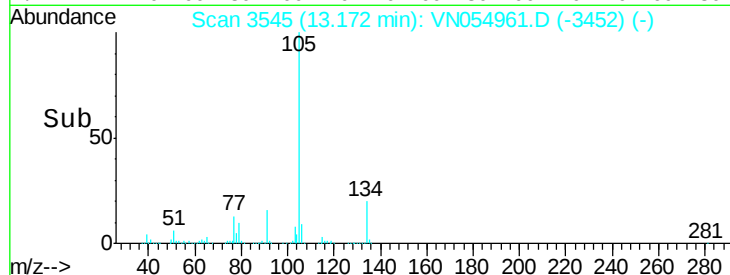
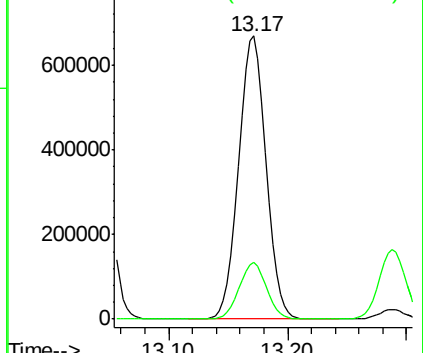
105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.664 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

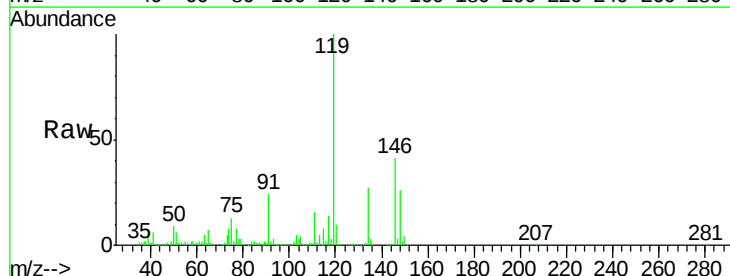
Tgt Ion:119 Resp: 967693

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.5

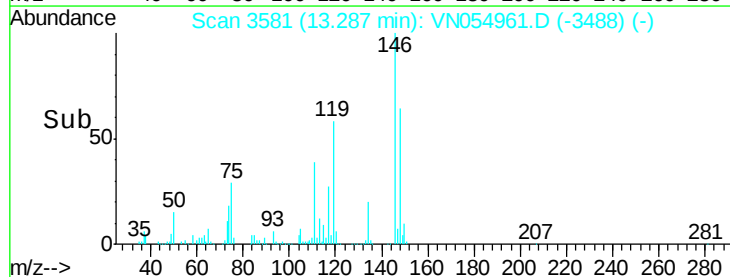
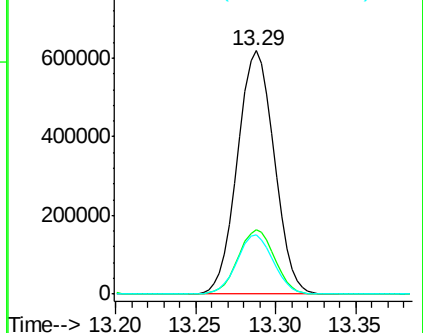
91 24.0 11.9 35.7

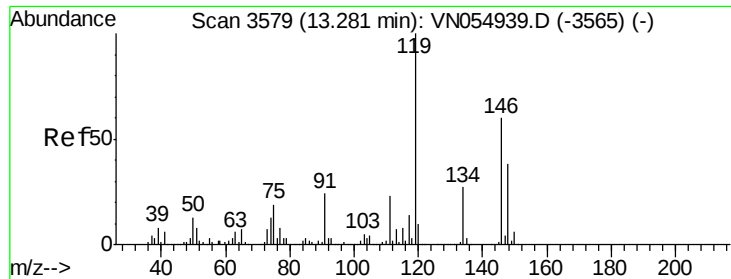


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.107 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

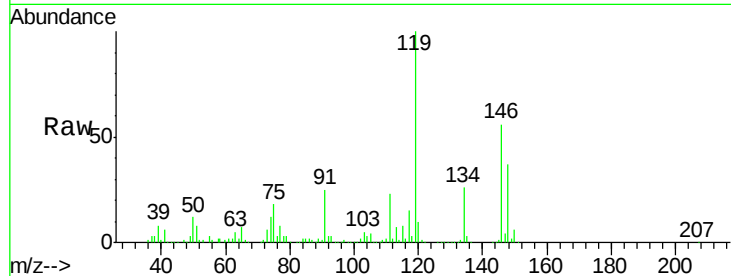
Tot Ion:146 Resp: 485590

Ion Ratio Lower Upper

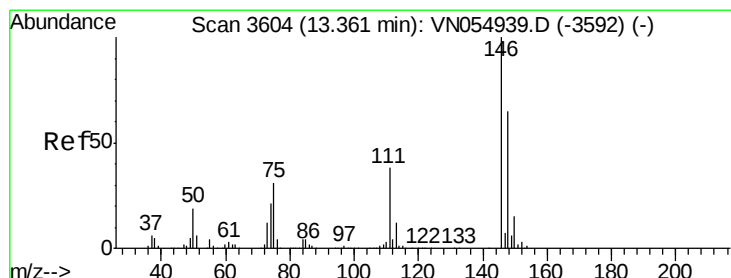
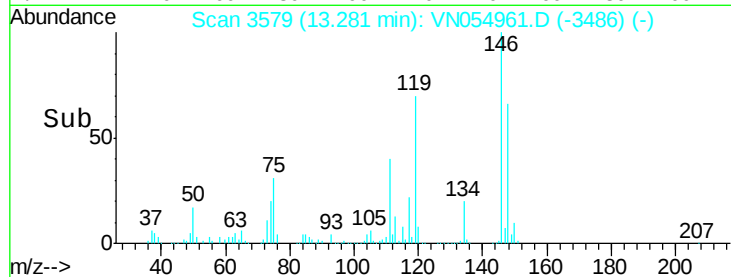
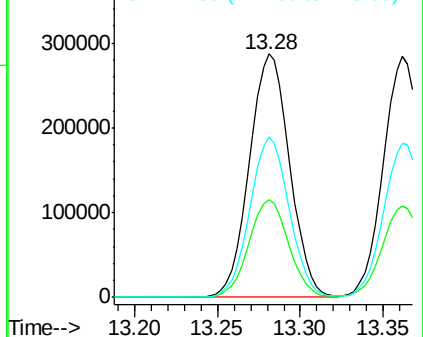
146 100

111 39.8 19.6 58.7

148 64.5 31.7 95.1



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: 50.689 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

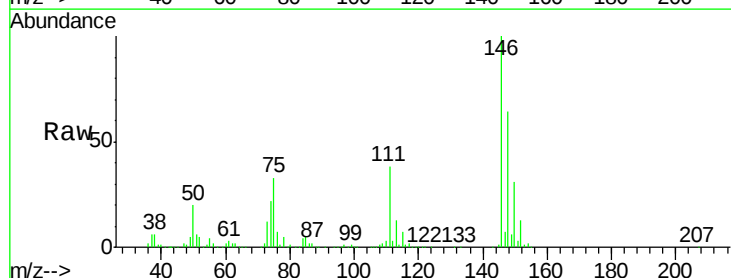
Tgt Ion:146 Resp: 467650

Ion Ratio Lower Upper

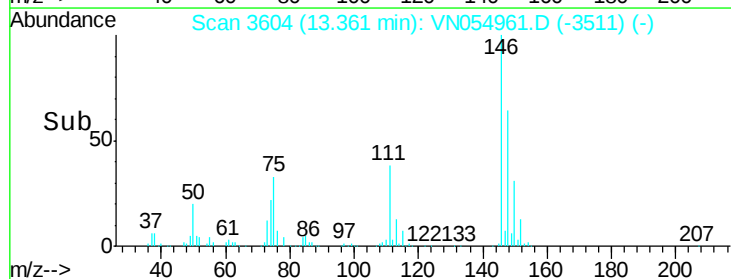
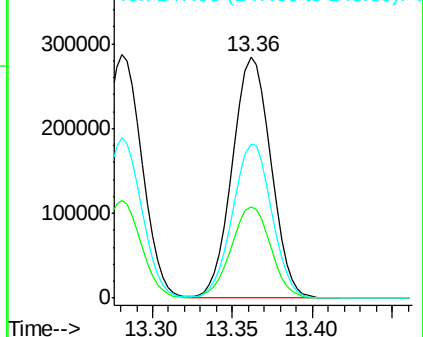
146 100

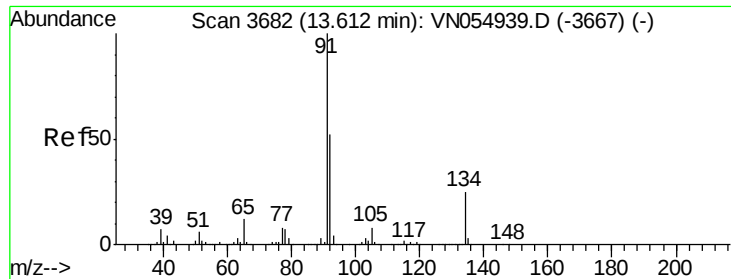
111 38.8 19.2 57.6

148 65.0 31.9 95.7



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

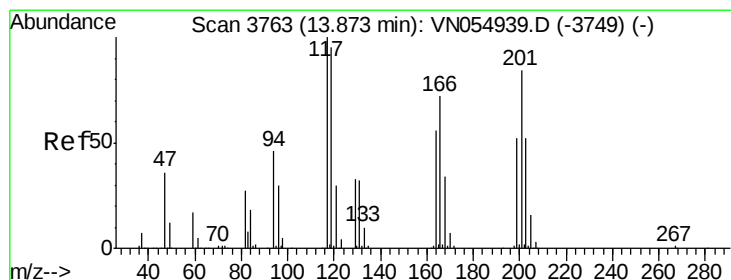
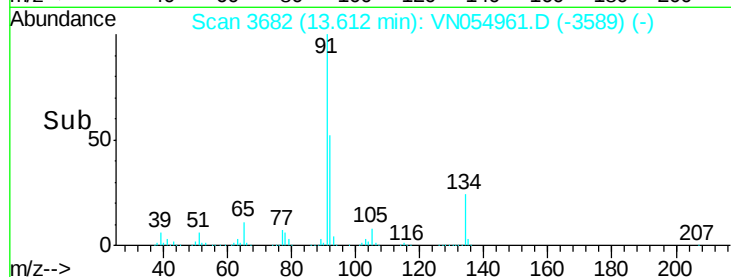
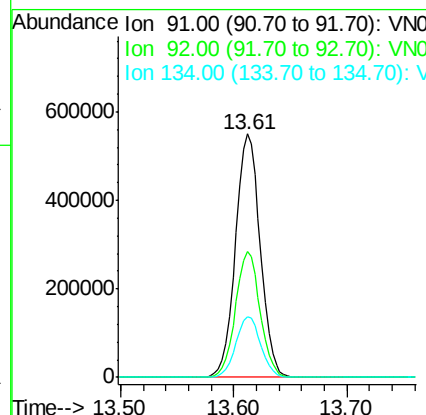
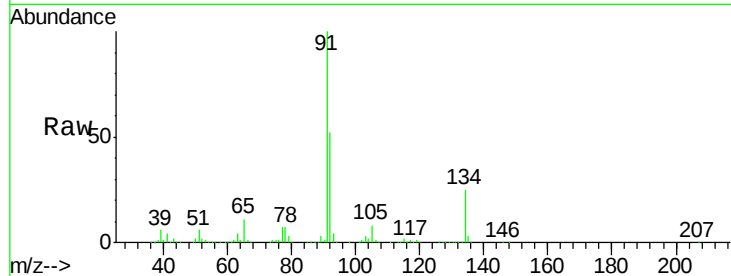




#89
n-Butylbenzene
Concen: 55.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

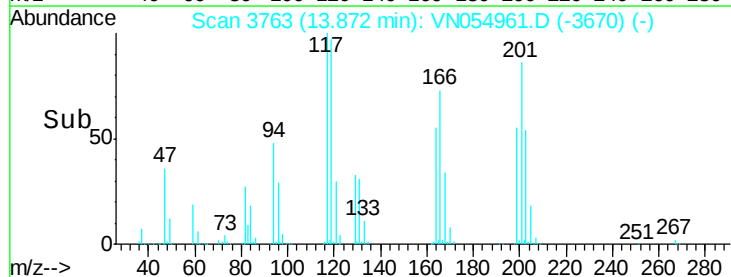
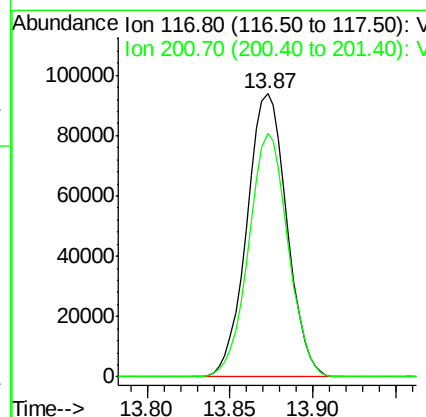
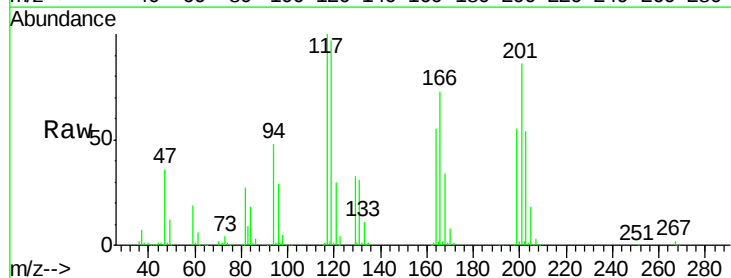
Instrument :
MSVOA_N
ClientSampled :

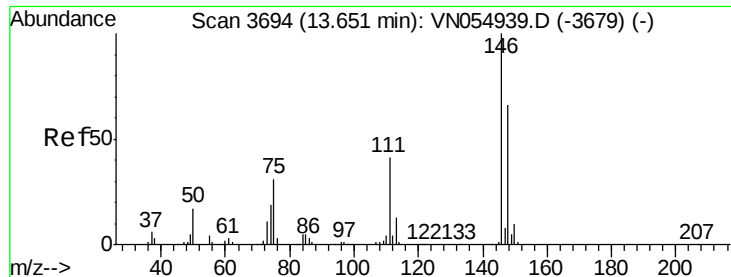
Tot Ion: 91 Resp: 834384
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.2
134 25.2 12.6 37.8



#90
Hexachloroethane
Concen: 50.146 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054961.D
Acq: 5 Apr 2019 9:02

Tgt Ion: 117 Resp: 157775
Ion Ratio Lower Upper
117 100
201 84.5 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 49.300 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054961.D

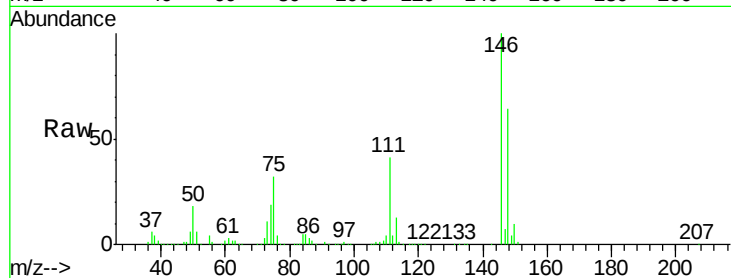
Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

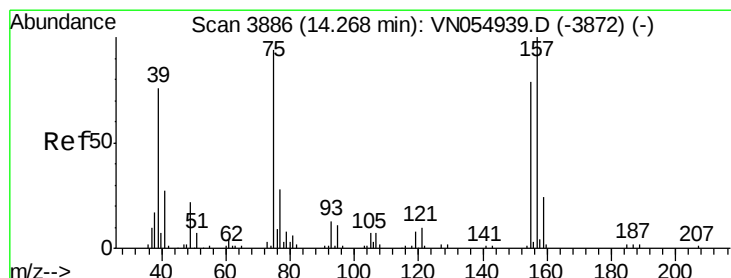
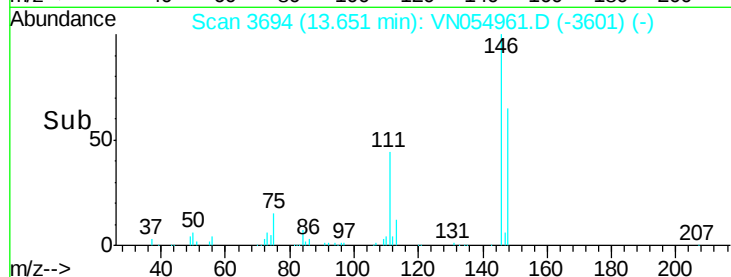
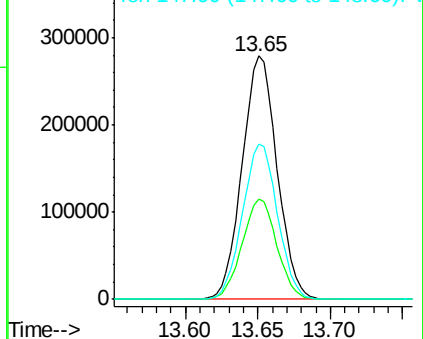
Tot Ion:	146	Resp:	469087
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.9	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.423 ug/l

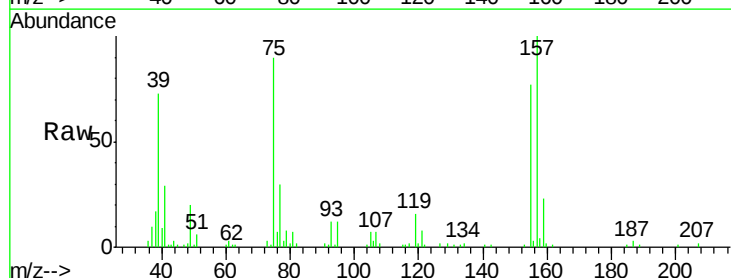
RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

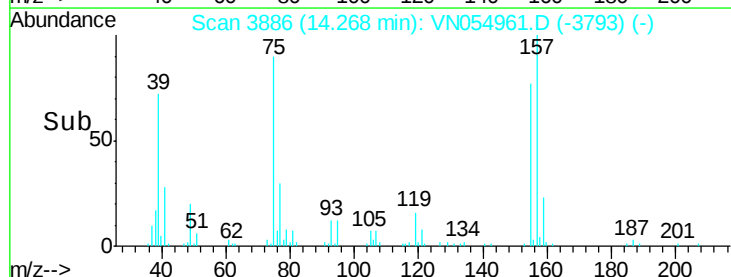
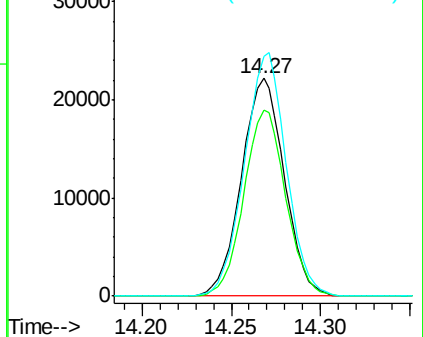
Tgt Ion:	75	Resp:	37404
Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.5	124.6
157	108.8	54.4	163.2

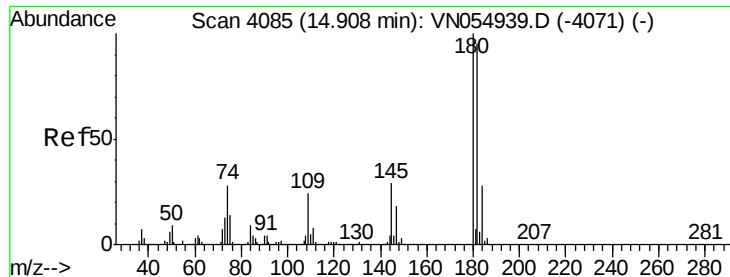


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

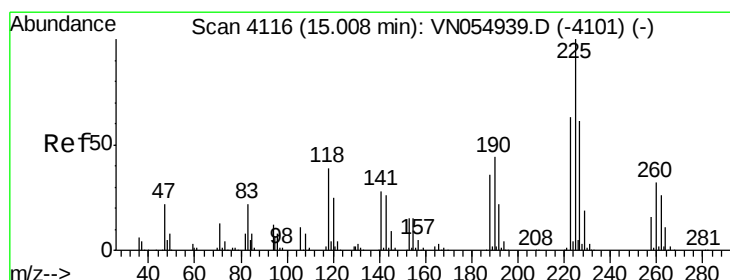
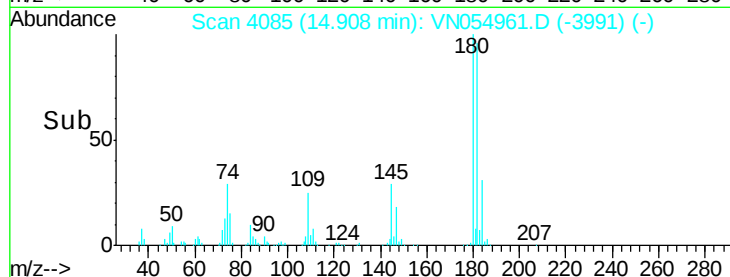
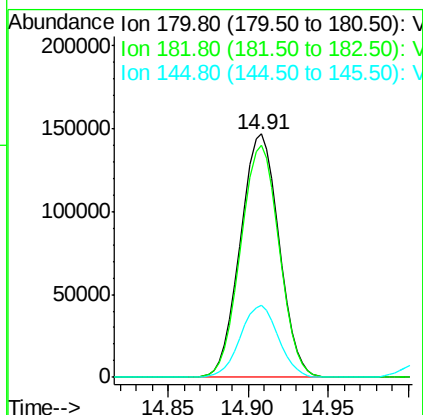
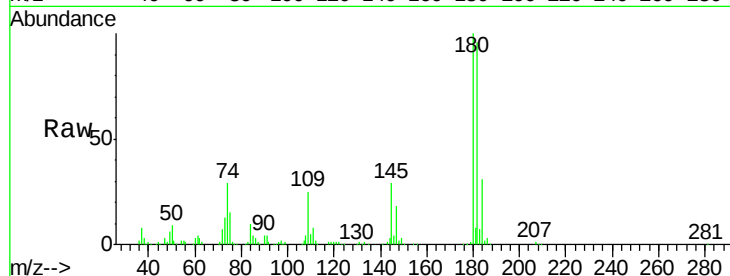




#93
 1,2,4-Trichlorobenzene
 Concen: 48.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

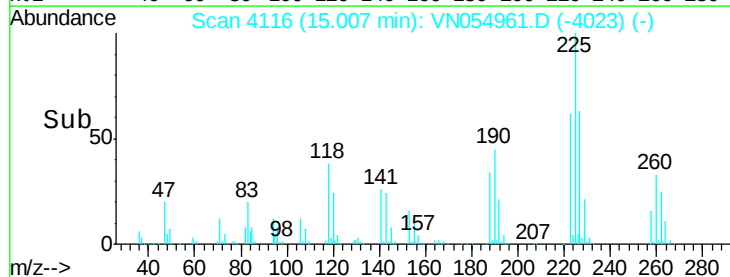
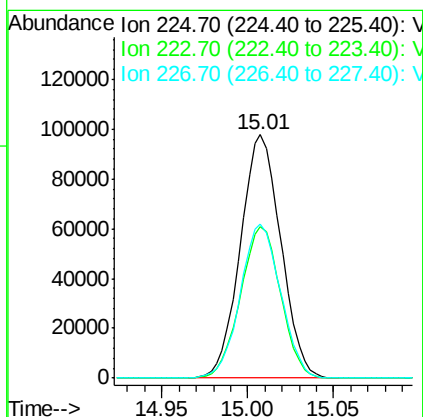
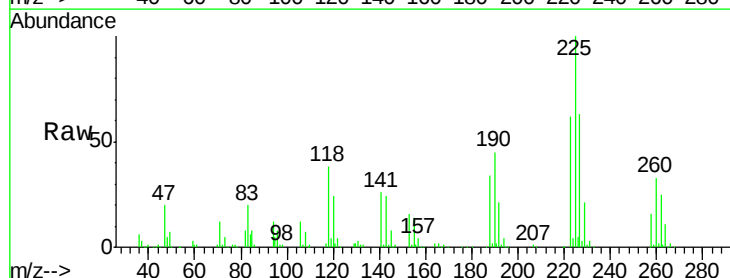
Instrument :
 MSVOA_N
 ClientSampleId :

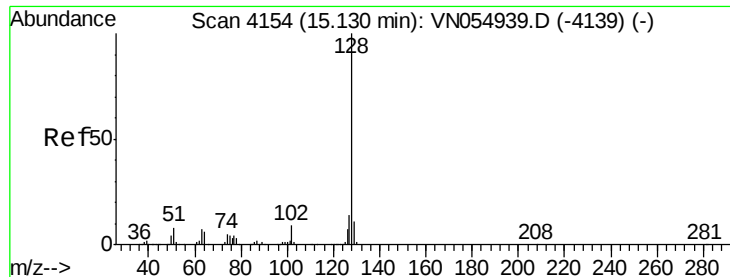
Tot Ion:180 Resp: 242101
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.6
 145 29.2 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 50.143 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054961.D
 Acq: 5 Apr 2019 9:02

Tgt Ion:225 Resp: 159617
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.1 93.5
 227 63.0 30.9 92.5





#95

Naphthalene

Concen: 43.995 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

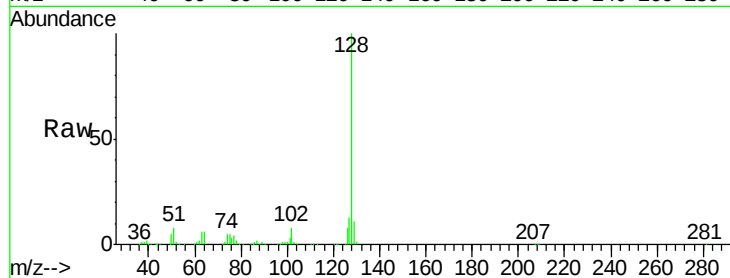
Tot Ion:128 Resp: 470294

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

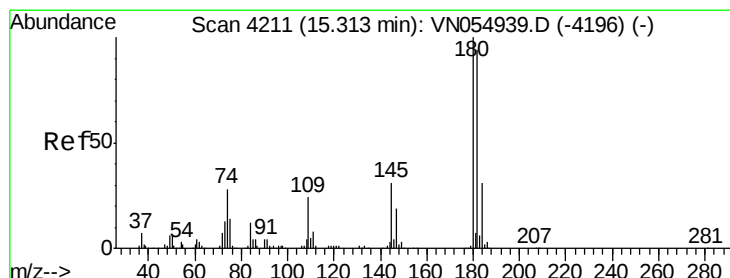
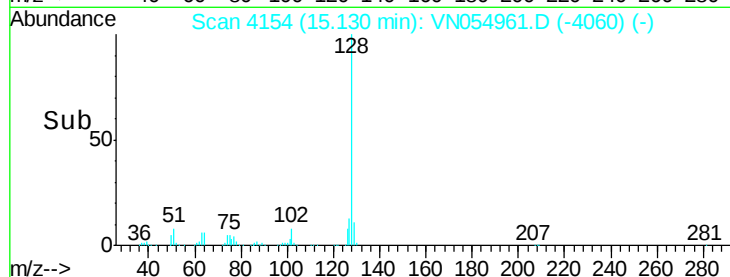
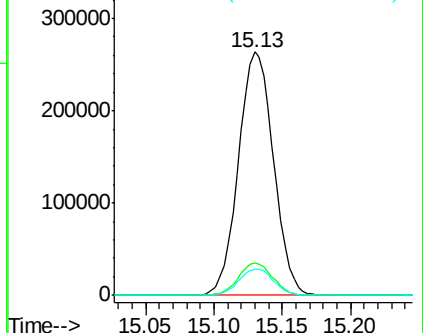
129 10.8 8.6 13.0



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: 52.451 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054961.D

Acq: 5 Apr 2019 9:02

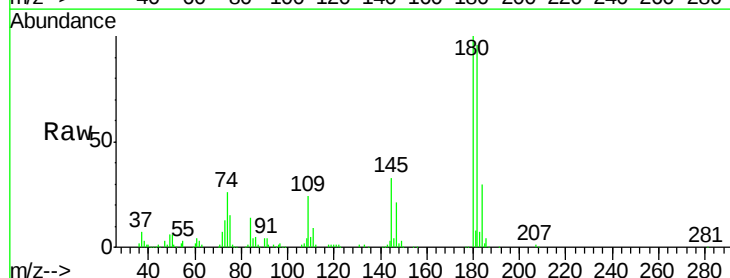
Tgt Ion:180 Resp: 229179

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.5

145 31.2 15.6 46.8



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

